Proposed Copenhagen Wind Farm
Raptor Migration Observation

Lewis and Jefferson Counties, New York
Surveys Conducted Spring and Fall 2012

Report Last Revision Date January 8, 2013

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1.0 Executive Summary

Ten species of raptors were observed at the proposed Copenhagen Wind Project hawk watch site during both the spring and fall seasons.

Overall, 257 observations of migrant raptors were recorded. The migrant total for the spring season was 215 raptors, while the migrant total for the fall season was 42 raptors. In addition, 130 observations of local raptors were made. The local total for the spring season was 117 raptors, while the local total for the fall season was 13 raptors.

Two state threatened species were observed during the spring season; Bald Eagle (*Haliaeetus leucocephalus*) and Northern Harrier (*Circus cyaneus*). A single Bald Eagle was recorded as a migrant. Three Northern Harriers were recorded as local (not migrant). No threatened or endangered species were observed during the fall season.

Two state species of special concern were observed during the fall season. A single Sharp-shinned Hawk *(Accipiter striatus*)*,* was recorded as a migrant. Four Red-shouldered Hawks *(Buteo lineatus)* were recorded as migrants. No state species of special concern were observed during the spring season.

2.0 Background

The proposed location for the Copenhagen Wind Farm is in Jefferson and Lewis counties, New York. The proposed wind farm will reside on a leased project area. The project will consist of fifty-eight turbines, a substation, and various roads, collection lines, and transmission lines. The site is mostly agricultural areas with some patches forest and residential areas. Many roads traverse the project area.

3.0 Methods

The Copenhagen Wind Farm conducted one year of full-time spring and fall pre-construction monitoring. The below methods and levels of effort are taken from the work plan approved by the New York Department of Environmental Conservation (NYDEC) prior to surveys commencing.

Site Location – The spring raptor migration survey observation point occurred near the current proposed location for Turbine 42, see attached map. The GPS coordinates for this location are: 43.9148500°N, 75.6771100°W NAD83. The fall raptor migration survey observation point occurred near the current proposed location for Turbine 55, see attached map. The GPS coordinates for this location are: 43.8769422°N, 75.6454575°W NAD83. These sites were chosen with maximum count as the goal; their placement allowed a more complete view of the project than other potential sites.

Field Season - The spring 2012 field season was conducted from March 1 – May 31. The fall 2012 field season was conducted from August 15 – December 1. In ideal weather conditions, sampling was attempted five days per week, Monday through

Friday. Survey count hours occurred from 9:00 AM until approximately 2 hours before sunset. If raptors continued to move through the area after this time, the surveys were extended.

Weather – Days that were forecasted to have more than the majority of the survey hours consisting of poor weather were not surveyed. Poor weather included heavy rain or snow, steady thunderstorms, heavy fog or any other inclement weather which could substantially impair visibility.

Data Collection – All raptors were categorized as either "local" or "migrant" based on overall flight direction and behavior. All raptors considered migrant were tallied by date and hour using the Hawk Migration Association of North America (HMANA) Daily Reporting Forms (http://hmana.org/data_entry_paper.php). The instructions for entering data on the back of the HMANA form, including the codes for various weather data (e.g. sky, wind) were used. Weather data was recorded by the hour.

Flight Pattern Notes- A separate data sheet was kept for tracking raptor flight behavior and patterns for both migrant and local raptors. Information on species, number of individuals, sex and age class, behavior, flight height and direction, and time of sighting were recorded when possible. The location of each bird relative to the project area was recorded. A map of the project was divided and defined into sectors to aid in the tracking of raptor movement as they traveled through the project area.

Equipment – The observers used binoculars and a scope. A hand-held weather instrument was used for gathering relative humidity, barometric pressure, and temperature. Wind direction (with a compass), cloud cover, visibility, wind speed, and precipitation were determined by the observer as suggested by the HMANA Form instructions.

4.0 Results

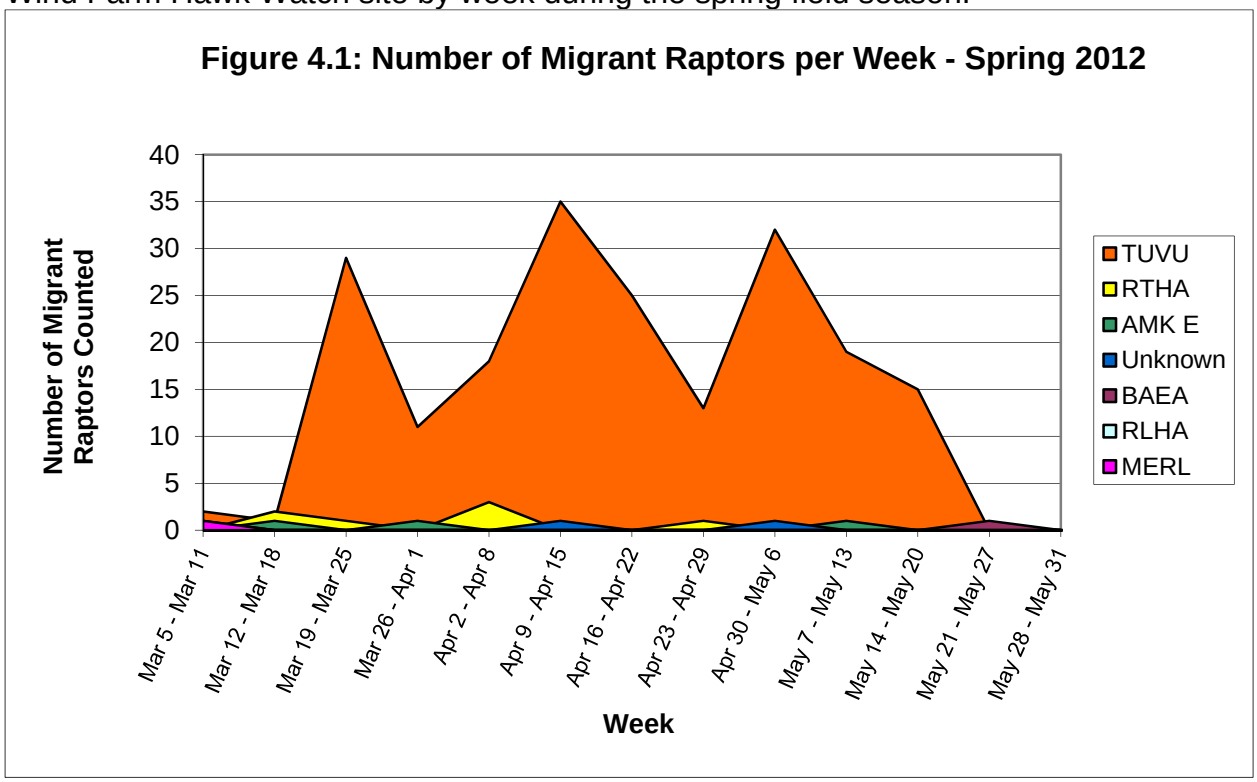
Raptor surveys were conducted for 13 weeks in the spring, and 16 weeks in the fall. In the spring, counts were conducted on favorable weather days, at least four days a week. In the fall, counts were conducted five days a week, with the exception of week 15 (November 19 - November 25), which had only four survey days due to illness of the surveyor.

Migrant Species Composition/Totals – Spring

Seven species of raptors were seen during the spring field season. Six of these species were recorded as migrants (this does not include "Unknown Buteo," of which two were observed and recorded as migrant). Raptors traveling in the general directions of WNW, NW, N, ENE, or NE were considered migrants. Behavior was also taken into consideration for migrant versus local status determination. Table 4.1 displays the number per species observed each month during the spring observation period. Turkey Vultures (*Cathartes aura*) were the most frequently observed migrating raptor (93%).

Table 4.1 Migrant Raptors by Month: Spring						
Species	Code	MAR	APR	MAY	Season Totals	Percentage of Total
Turkey Vulture	TUVU	43	91	66	**200**	**93.02%**
Bald Eagle	BAEA	0	0	1	**1**	**0.47%**
Red-tailed Hawk	RTHA	3	4	0	**7**	**3.26%**
Rough-legged Hawk	RLHA	1	0	0	**1**	**1.40%**
American Kestrel	AMKE	2	0	1	**3**	**0.47%**
Merlin	MERL	1	0	0	**1**	**0.47%**
Unknown Buteo	UB	0	1	1	**2**	**0.93%**
Monthly Total		**50**	**96**	**69**	**Season Total=215 raptors**	
Percentage Total		**23.26%**	**44.65%**	**32.09%**		

Figure 4.1 shows an area chart of the migrant raptors observed at the Copenhagen Wind Farm Hawk Watch site by week during the spring field season.

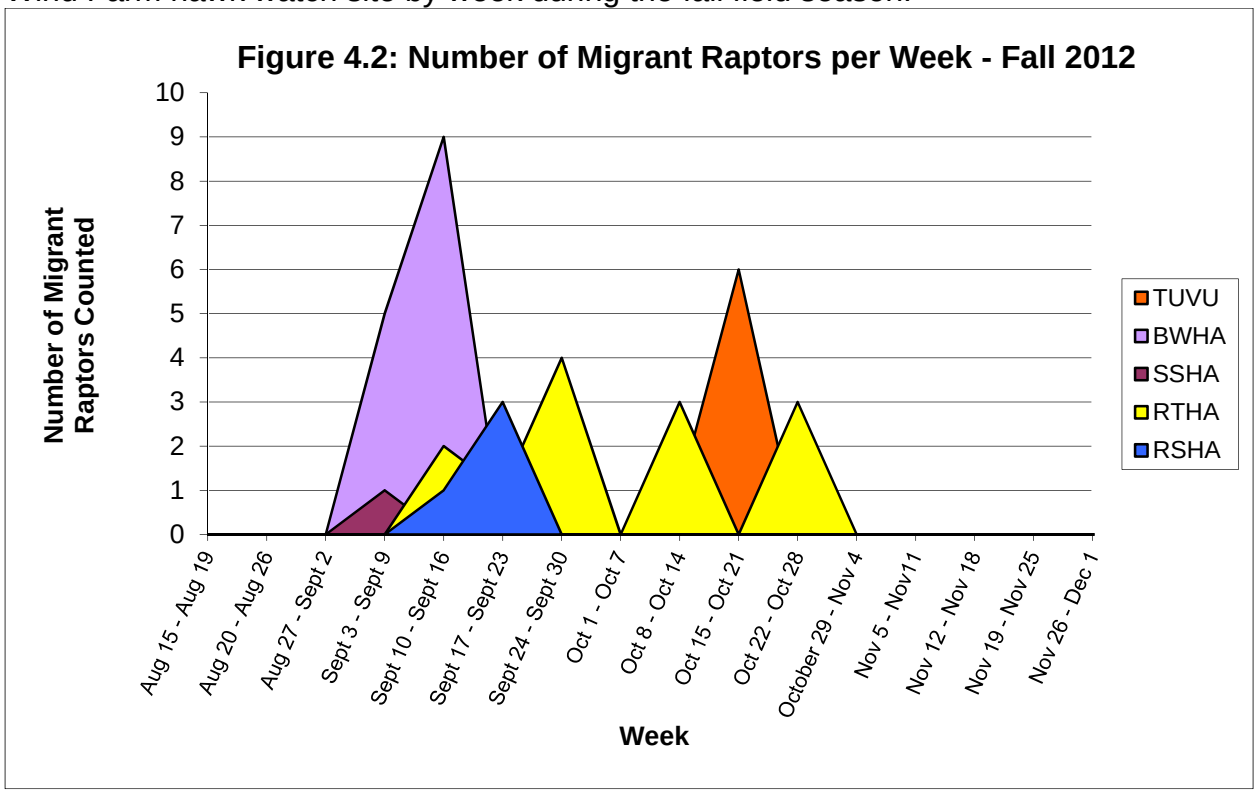


Migrant Species Composition/Totals – Fall

Six species of raptors were seen during the fall observation period. Five of these species were recorded as migrants. Raptors traveling in the general directions of WSW, SW, S, ESE, or SE were considered migrants. Behavior was also taken into consideration for migrant versus local status determination. Table 4.2 displays the number per species observed each month during the fall observation period. Broad-winged Hawks (*Buteo platypterus*) were the most frequently observed migrating raptor (33%).

Table 4.2 Migrant Raptors by Month: Fall							
Species	Code	AUG	SEPT	OCT	NOV	Season Totals	Percentage of Total
Turkey Vulture	TUVU	0	3	7	0	**10**	**23.81%**
Sharp-shinned Hawk	SSHA	0	1	0	0	**1**	**2.38%**
Red-shouldered Hawk	RSHA	0	4	0	0	**4**	**9.52%**
Broad-winged Hawk	BWHA	0	14	0	0	**14**	**33.33%**
Red-tailed Hawk	RTHA	0	7	6	0	**13**	**30.95%**
Monthly Total		**0**	**29**	**13**	**0**	**Season Total=42 raptors**	
Percentage Total		**0%**	**69.05%**	**30.95%**	**0%**		

Figure 4.2 shows an area chart of the migrant raptors observed at the Copenhagen Wind Farm hawk watch site by week during the fall field season.



Migrant Passage Rates

Tables 4.3 and 4.4 show the passage rate per hour for each species in each month for both spring and fall.

Table 4.3: Migrant Raptor Passage Rates (per hour) by Month: Spring

Species	HMANA Code	MAR (122 hours)	APR (136 hours)	MAY (179 hours)	Totals (437 hours)
Turkey Vulture	**TV**	0.35	0.67	0.37	**0.458**
Bald Eagle	**BE**	0.00	0.00	0.01	**0.002**
Red-tailed Hawk	**RT**	0.02	0.03	0.00	**0.016**
Rough-legged Hawk	**RL**	0.01	0.00	0.00	**0.002**
American Kestrel	**AK**	0.02	0.00	0.01	**0.007**
Merlin	**ML**	0.01	0.00	0.00	**0.002**
Unidentified Buteo	**UB**	0.00	0.01	0.01	**0.005**
Monthly Passage Rate		**0.41**	**0.71**	**0.39**	**0.492**

Table 4.4: Migrant Raptor Passage Rates (per hour) by Month: Fall

Species	HMANA Code	AUG (138 hours)	SEP (170 hours)	OCT (176 hours)	NOV (116 hours)	DEC (6 hours)	Totals (606 hours)
Turkey Vulture	**TV**	0.00	0.02	0.04	0.00	0.00	**0.017**
Sharp-shinned Hawk	**SS**	0.00	0.01	0.00	0.00	0.00	**0.002**
Red-shouldered Hawk	**RS**	0.00	0.02	0.00	0.00	0.00	**0.007**
Broad-winged Hawk	**BW**	0.00	0.08	0.00	0.00	0.00	**0.023**
Red-tailed Hawk	**RT**	0.00	0.04	0.03	0.00	0.00	**0.021**
Monthly Passage Rate		**0.00**	**0.17**	**0.07**	**0.00**	**0.00**	**0.069**

Local species composition/totals for Spring and Fall

Tables 4.5 and 4.6 display the local raptors observed per month by species, for the spring and fall field seasons. Raptors exhibiting the local behaviors such as flying north in the fall or south in the spring, or prolonged hunting behavior without exiting the wind farm, were counted as locals. Local observations include but are not limited to: residents, local dispersing raptors, and migrating raptors stopping over to hunt.

Turkey Vultures and Red-tailed Hawks (*Buteo jamaicensis*) make up the vast majority of local observations for both field seasons. Local birds, in most cases, were counted multiple times, as it is impossible to discern individual raptors in the field. The totals in this table do not depict total counts of local raptors using the wind farm during the season, but individual observations of raptors exhibiting local behavior as described above.

Table 4.5 Local Raptors by Month: Spring						
Species	Code	MAR	APR	MAY	Season Totals	Percentage of Total
Turkey Vulture	TUVU	0	0	89	**89**	**76.07%**
Northern Harrier	NOHA	1	1	1	**3**	**2.56%**
Red-tailed Hawk	RTHA	5	6	9	**20**	**17.09%**
American Kestrel	AMKE	0	1	4	**5**	**4.27%**
Monthly Total		**6**	**8**	**103**	**Season Total=117 raptors**	
Percentage Total		**5.13%**	**6.84%**	**88.03%**		

Table 4.6 Local Raptors by Month: Fall							
Species	Code	AUG	SEPT	OCT	NOV	Season Totals	Percentage of Total
Turkey Vulture	TUVU	4	2	0	0	**6**	**46.15%**
Red-tailed Hawk	RTHA	3	2	1	0	**6**	**46.15%**
American Kestrel	AMKE	1	0	0	0	**1**	**7.69%**
Monthly Total		**8**	**4**	**1**	**0**	**Season Total=13 raptors**	
Percentage Total		**61.54%**	**30.77%**	**7.69%**	**0%**		

Status as “migrant vs. local” for each species recorded is further explained in table 4.7.

Table 4.7 Status of Raptor Species Observed: Migrant (M) vs. Local (L)			
Species	Spring	Fall	Combined
Turkey Vulture	M/L	M/L	M/L
Bald Eagle	M	X	M
Northern Harrier	L	X	L
Sharp-shinned Hawk	X	M	M
Red-shouldered Hawk	X	M	M
Broad-winged Hawk	X	M	M
Red-tailed Hawk	L/M	L/M	L/M
Rough-legged Hawk	M	X	M
American Kestrel	L/M	L	L/M
Merlin	M	X	M
UB (not incl. in totals)	M	X	M
Totals (M vs. L)			
# species seen	7	6	10
Total # M species	6	5	9
Total # L species	4	3	4
Total # only M	3	3	6
Total # only L	1	1	1

*X=not observed

Sector Analysis

The Copenhagen site was divided into three sectors to allow the surveyor to record general flight paths of each raptor. Sector A is defined as the area to the north and west of the hawk watch site. Sector B is defined as the area within the vicinity of the hawk

watch site. Sector C is defined as the area to the south and east of the hawk watch site. Note that sector locations were different for the spring and fall due to different location of the hawk watch site for each season (see Appendix A). Both migrant and local raptor observations occurred most frequently in Sector B during both spring and fall field seasons. During the spring field season, a larger proportion of migrants were observed in Sector A than Sector C. During the fall field season, a larger proportion of migrants were observed in Sector C than Sector A. Table 4.8 and 4.9 show site usage by sector for both field seasons. The sectors are labeled on the site map, which can be found in Appendix A. If a raptor moved between sectors, for example flew from sector B into sector C then the sector is listed as BC. NR means the data was not recorded; this generally occurred if multiple raptors were observed in the same time frame or the observer was taking additional notes on a different raptor. Other instances include when the sector usage was borderline between two sectors.

Table 4.8: Site Usage by Sector: Spring 2012

Sector	Migrant	Local	Total Observations
A	46	30	76
B	114	61	175
C	23	15	38
AB	1	3	4
BA	7	3	10
BC	9	0	9
CBA	1	2	3
NR	14	3	17

Table 4.9: Site Usage by Sector: Fall 2012

Sector	Migrant	Local	Total Observations
A	0	2	2
B	36	8	44
C	6	3	9

Average and Median Flight Height of Raptor Species
Table 4.10 shows the number of species recorded at each flight height (L, M, or H) for both seasons.

Table 4.10 Average Flight Height by Species

Species	Code	L	M	H	VH
Turkey Vulture	TUVU	129	128	45	0
Bald Eagle	BAEA	1	0	0	0
Northern Harrier	NOHA	3	0	0	0
Sharp-shinned Hawk	SSHA	0	1	0	0
Red-shouldered Hawk	RSHA	0	2	2	0
Broad-winged Hawk	BWHA	0	14	0	0
Red-tailed Hawk	RTHA	26	20	0	0
Rough-legged Hawk	RLHA	1	0	0	0
American Kestrel	AMKE	7	2	0	0
Merlin	MERL	1	0	0	0
Unknown Buteo	UB	0	1	1	3

Note: L= Eye Level or below M= Above Eye Level to three times the height of local trees H= Three times height of local trees to limit of unaided vision VH= Beyond limit of unaided vision, within limit of binocular aided vision

One species considered as a Bird of Conservation Concern by the United States Fish and Wildlife Service (USFWS) was detected during raptor observation, the Bald Eagle. The USFWS states the overall goal of the Birds of Conservation Concern “is to accurately identify the migratory and non-migratory bird species (beyond those already designated as Federally threatened or endangered) that represent our highest conservation priorities.” (USFWS 2011). No species detected are considered focal species. Focal species are targets for campaigns that provide explicit, strategic, and adaptive methods of conservation actions in attempt to restore the species to healthy and sustainable levels (USFWS 2011).

5.0 Discussion

During the spring, early summer, late summer, and fall months of 2012 a total of 387 raptor observations (migrant and local) were made.

Ten species of raptors were identified during the migration observation. The most frequently seen migrants during both field seasons were the Turkey Vulture (81.7%), Red-tailed Hawk (7.8%), and Broad-winged Hawk (5.5%).

The proposed site for the Copenhagen wind farm has a much lower raptor passage rate than three other sites with publically available data in the region (NYDEC 2010). During the spring count, the passage rate was 0.492 overall, compared to an average passage rate of 10.2 at the three other sites in the region with spring data available through NYDEC. During the fall county, the passage rate was 0.069 overall, compared to an average passage rate of 8.07 at the three other sites in the region with fall data

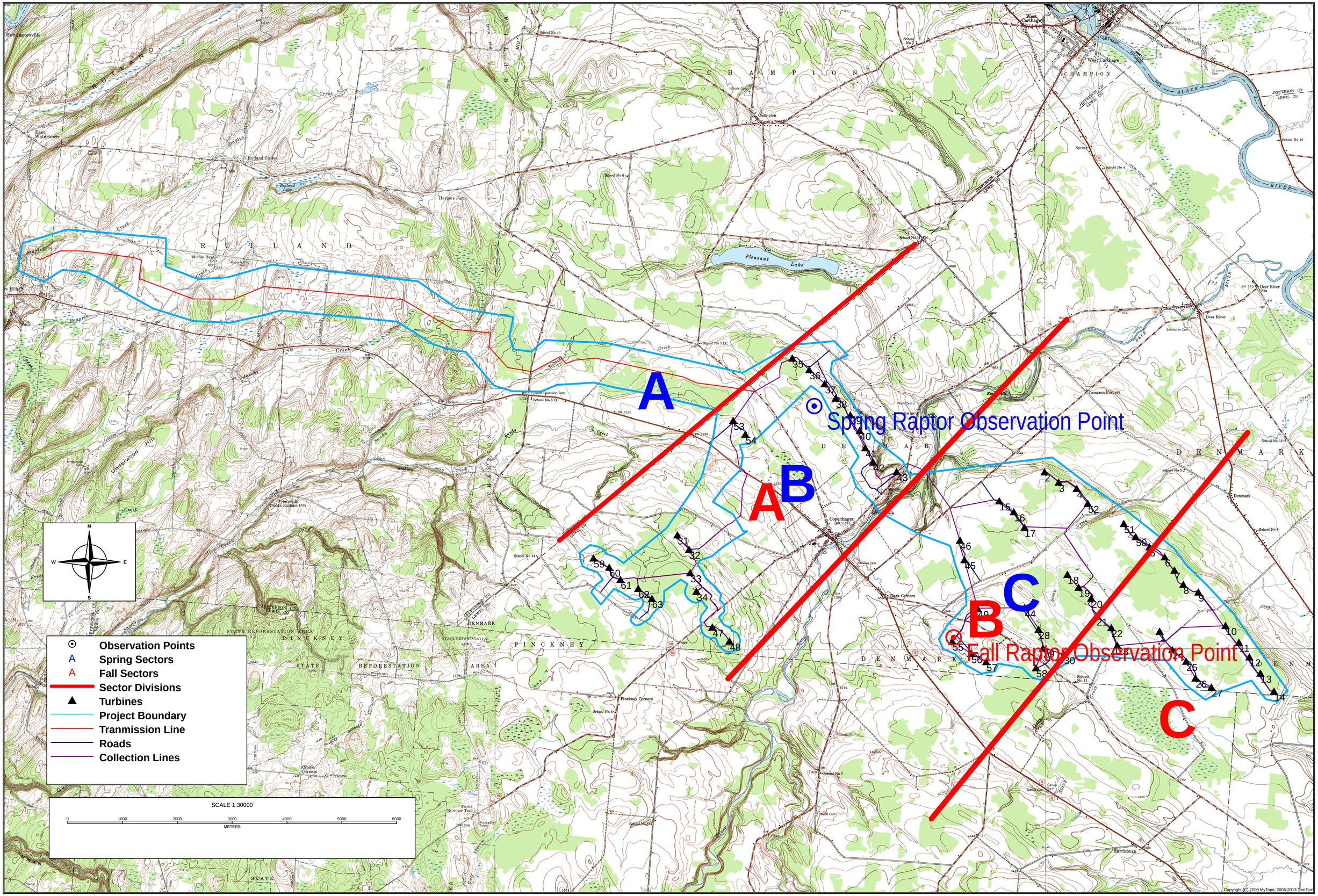
available through NYDEC. This proposed site had much less activity than three other sites in the region.

6.0 Literature Cited

New York State Department of Environmental Conservation (NYDEC). 2010. Publicly Available Raptor Migration Data for Proposed Wind Sites in NYS. Website: <http://www.dec.ny.gov/docs/wildlife_pdf/rapmigwind.pdf>

United States Fish and Wildlife Service (USFWS). 2011. Migratory Bird Program. Website:<http://www.fws.gov/migratorybirds/CurrentBirdIssues/Management/BirdManagement.html>

Appendix A: Site Map


Spring Raptor Observation Point
Fall Raptor Observation Point
A
B
C
Observation Points
Spring Sectors
Fall Sectors
Sector Divisions
Turbines
Project Boundary
Tranmission Line
Roads
Collection Lines
SCALE 1:30000
0
1000
2000
3000
4000
5000
6000
METERS
N
S
E
W
RUTLAND
CHAMPION
DENMARK
PINCKNEY
Pleasant Lake
Copyright © 2009 MyTopo, 2006-2013 TomTom

Appendix B: HMANA Forms

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard MO 3 DAY 5 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Comments
Wind Speed					1	—	3	—	2	3	3				
Wind Dir. (From)					NW	—	—	—	W	—	—				
Temp. (Deg. C)					-13.6	-15	-12.5	-9.4	-10.5	-10.7	-10.5				
Humidity					55	—	68	74	24	25	33				
Bar. Pressure					970	—	—	—	973	974	975				
Cloud Cover					50	75	40	—	—	80	—				
Visibility					2	1	3	3	2	—	—				
Precipitation					0	—	—	—	—	—	—				
Flight Direction					NE										
Height of Flight					2										
No. of Observers					1	—	—	—	—	—	—				
Dur. of Obs. (min)					60	—	—	—	—	—	—				

	Total	
Black Vulture		BV
Turkey Vulture	1	TV
Osprey		OS
Swallow-tailed Kite		SK
White-tailed Kite		WK
Mississippi Kite		MK
Hook-billed Kite		HK
Bald Eagle		BE
Northern Harrier		NH
Sharp-shinned		SS
Cooper's Hawk		CH
Northern Goshawk		NG
Red-shouldered		RS
Broad-winged		BW
Short-tailed Hawk		ST
Swainson's Hawk		SW
Red-tailed Hawk		RT
Ferruginous Hawk		FH
White-tailed Hawk		WT
Zone-tailed Hawk		ZT
Harris' Hawk		HH
Rough-legged		RL
Golden Eagle		GE
American Kestrel		AK
Merlin		ML
Peregrine Falcon		PG
Gyrfalcon		GY
Prairie Falcon		PR
Crested Caracara		CC
Unid. Vulture		UV
Unid. Accipiter		UA
Unid. Buteo		UB
Unid. Eagle		UE
Unid. Falcon		UF
Unid. Raptor		UU
Other (From Back)		OO
TOTAL	1	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) CONAN GUARD

ADDRESS

MO 3 DAY 6 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	2		3	2	2	2					
Wind Dir. (From)					E	SW										
Temp. (Deg. C)			-3.6			2.3	0.6	-2.9	-2.3	1.7	2.6					
Humidity					22.6	12.9	14.5	32.3	34.6	34.0	32.6					
Bar. Pressure					987	988	987			985	986					
Cloud Cover					5	30	40		95							
Visibility					8											
Precipitation					0											
Flight Direction																
Height of Flight																
No. of Observers					1										Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60				420	
Black Vulture																BV
Turkey Vulture								1							1	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL								1							1	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) CONAN GUARD MO 3 DAY 7 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	—	—	—	—	—	—					
Wind Dir. (From)					SW	—	—	—	—	—	—					
Temp. (Deg. C)					8.5	10.6	11.9	12.4	13.9	15.4	15.0					
Humidity					38.0	36.2	28.1	29.3	30.5	31.3	32.4					
Bar. Pressure					979	—	978	—	976	—	—					
Cloud Cover					30	50	30	20	10	—	—					
Visibility					6	—	—	—	—	—	—					
Precipitation					0	—	—	—	—	—	—					
Flight Direction									E	N						
Height of Flight									1	—						
No. of Observers					1	—	—	—	—	—	—				Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60				420	

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged										1					1	RL
Golden Eagle																GE
American Kestrel																AK
Merlin									1						1	ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL									1	1					2	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) CONAN GUARD MO 38 DAY 8 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					4	4										
Wind Dir. (From)					SW	—										
Temp. (Deg. C)					13.5	12.5										
Humidity					57.5	72.9										
Bar. Pressure					966	966										
Cloud Cover					85	100										
Visibility					6	4										
Precipitation					0	3										
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—							Total	
Dur. of Obs. (min)					60	60									120	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Survey stopped at 1100 due to heavy rain.

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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MO 3 DAY 9 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	—	Ø	1	—	—	Ø					
Wind Dir. (From)					W	—	—	—	—	SW	W					
Temp. (Deg. C)					-1.4	1.3	2.1	2.5	2.7	1.7	1.1					
Humidity					85	—	—	—	—	—	—					
Bar. Pressure					971	970	969	—	—	—	—					
Cloud Cover					20	50	—	—	60	25	—					
Visibility					0	—	—	—	—	—	—					
Precipitation					0	—	—	—	—	—	—					
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—				Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—				420	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															Ø TH	

Comments

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total	Comments
Wind Speed					2	2	—	3	2	—	—					
Wind Dir. (From)					SW	—	—	—	W	SW	—					
Temp. (Deg. C)					2.1	6.3	10.1	11.0	11.4	11.6	11.5					
Humidity					71	—	—	—	—	—	—					
Bar. Pressure					979	—	—	—	—	—	—					
Cloud Cover					10	—	25	—	—	10	—					
Visibility					8	—	—	—	—	—	—					
Precipitation					0	—	—	—	—	—	—					
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—					
Dur. of Obs. (min)					60	—	—	—	—	—	—					

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															TH	

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ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					1	1	—	—	—	—	—				
Wind Dir. (From)					ENE	NE	E	NE	—	—	SW				
Temp. (Deg. C)					9.9	10.1	18.5	17.8	19.6	18.3	17.8				
Humidity					62.6	53.7	33.7	30.8	39.0	32.3	24.8				
Bar. Pressure					979	—	978	—	—	976	—				
Cloud Cover					20	50	40	—	60	70	100				
Visibility					8	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—				
Flight Direction															
Height of Flight															
No. of Observers					1	—	—	—	—	—	—				Total
Dur. of Obs. (min)					60	60	60	60	60	60	60				420

Comments

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL														Φ	TH	

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MO 3 DAY 13 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	3	2	3	—	—	—					
Wind Dir. (From)					SW	—	—	—	—	—	—					
Temp. (Deg. C)					11.4	11.7	11.8	13.8	12.4	14.5	14.4					
Humidity					93.4	92.2	91.8	78.1	76.6	74.3	60.3					
Bar. Pressure					967	—	968	—	—	—	—					
Cloud Cover					100	90	—	—	80	50	40					
Visibility					3	6	6	8	—	—	—					
Precipitation					3	0	0	0	—	—	—					
Flight Direction					NE	SE			NE		N					
Height of Flight					1	1			2		3					
No. of Observers					1	—	—	—	—	—	—				Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60				420	
Black Vulture																BV
Turkey Vulture						1									1	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk									1		1				2	RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel					1										1	AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL					1	1			1		1				4	TH

Comments

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MO 3 DAY 15 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	—	—	3	1	—	—					
Wind Dir. (From)					W	—	E	SE	NE	SE	—					
Temp. (Deg. C)					5.5	6.8	7.1	9.8	10.1	12.6	14.1					
Humidity					91.2	92.3	93.3	87.5	80.3	76.6	70.3					
Bar. Pressure					978	—	—	—	977	—	—					
Cloud Cover					100	—	—	—	90	—	—					
Visibility					6	—	—	—	—	—	—					
Precipitation					3	—	0	—	—	—	—					
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—				Total	
Dur. of Obs. (min)					60	60	—	—	—	—	—				420	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL														0	TH	

Comments

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	1	—	—	Ø	1	2					
Wind Dir. (From)					W	NE	SE	—	—	NW	—					
Temp. (Deg. C)					12.9	13.5	11.9	10.2	10.7	10.5	9.6					
Humidity					83.2	92.6	89.7	88.5	76.4	75.4	73.0					
Bar. Pressure					973	—	—	974	—	975	—					
Cloud Cover					100	100	80	—	50	—	—					
Visibility					6	0	6	—	8	—	—					
Precipitation					3	1	0	1	0	—	—					
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—				Total	
Dur. of Obs. (min)					60	60	—	—	—	—	—				420	

Comments

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															Ø	TH

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	—	—	—	—	—	—					
Wind Dir. (From)					W	—	E	—	SW	—	—					
Temp. (Deg. C)					18.2	21.7	20.5	—	23.7	24.1	24.3					
Humidity					72.1	66.0	73.3	67.8	63.1	62.3	—					
Bar. Pressure					977	—	—	—	—	—	—					
Cloud Cover					10	20	—	40	—	—	50					
Visibility					8	—	—	—	—	—	—					
Precipitation					0	—	—	—	—	—	—					
Flight Direction								NE								
Height of Flight								5								
No. of Observers					1	—	—	—	—	—	—				Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—				420	

Black Vulture																BV	
Turkey Vulture								4							4	TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															4	TH	

Comments

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ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					1	—	1	2	1	—	—				
Wind Dir. (From)					E	—	S	SW	SW	—	—				
Temp. (Deg. C)					16.5	25.4	22.0	24.3	26.1	24.6	26.4				
Humidity					77.4	53.5	54.4	46.8	46.6	45.5	42.1				
Bar. Pressure					981	—	980	—	—	979	—				
Cloud Cover					5	0	5	40	—	60	—				
Visibility					8	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—				
Flight Direction						N			NE	N	—				
Height of Flight						7			7	7	—				
No. of Observers					1	—	—	—	—	—	—				Total
Dur. of Obs. (min)					60	—	—	—	—	—	—				420

Black Vulture																~~BV~~
Turkey Vulture						2			1	3	6				12	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															12	TH

Comments

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ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7			Comments
Wind Speed					1	2	—	—	1	2	—	—					
Wind Dir. (From)					W	—	NW	W	—	—	—	—					
Temp. (Deg. C)					18.7	21.2	23.3	23.4	25.0	24.8	25.5	24.7					
Humidity					72.9	60.9	66.1	56.9	55.9	51.3	50.7	51.7					
Bar. Pressure					978	—	—	—	976	—	975	—					
Cloud Cover					5	—	—	—	—	10	—	—					
Visibility					8	—	—	—	—	—	—	—					
Precipitation					0	—	—	—	—	—	—	—					
Flight Direction							N	NE		NE	N						
Height of Flight							3	3		5	5						
No. of Observers					1	—	—	—	—	—	—	—			Total		
Dur. of Obs. (min)					60	60	60	60	60	60	60	15			435		
Black Vulture																BV	
Turkey Vulture							*2	2		*2	2	3			11	TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL							2	2		2	2	3			11	TH	

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard MO 3 DAY 23 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	3	2	—	—	3	—					
Wind Dir. (From)					NW	N	—	NE	—	N	—					
Temp. (Deg. C)					15.9	16.5	17.1	17.9	17.5	18.1	17.9					
Humidity					39.8	39.3	—	33.5	32.9	29.1	29.7					
Bar. Pressure					979	—	—	978	—	—	—					
Cloud Cover					60	—	50	—	40	—	—					
Visibility					8	—	—	—	—	—	—					
Precipitation					0	—	—	—	—	—	—					
Flight Direction								NE								
Height of Flight								2								
No. of Observers					1	—	—	—	—	—	—				Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—				420	

Black Vulture																BV
Turkey Vulture								2							2	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL								2							2	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

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LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard MO 3 DAY 26 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	3	1	3	3	—	—	—				
Wind Dir. (From)					W	—	N	NW	—	WNW	NW	—				
Temp. (Deg. C)					-1.1	—	1.2	2.5	3.1	3.8	3.6	1.8				
Humidity					66.3	57.1	48.3	35.8	35.7	38.8	38.4	26.8				
Bar. Pressure					973	974	—	—	—	—	—	—				
Cloud Cover					25	—	—	10	—	5	—	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction					NW		N			NW						
Height of Flight					7		7			3						
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	15			435	
Black Vulture																BV
Turkey Vulture					1		1			1					3	TV 3
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL					1		1			1					3	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 3 DAY 27 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	—	—	—	0	1	—	—				
Wind Dir. (From)					W	NW	—	W	0	W	—	—				
Temp. (Deg. C)					-1.9	1.4	4.7	1.4	9.6	7.5	6.7	4.2				
Humidity					43.4	44.8	40.3	23.3	35.1	33.1	32.3	24.5				
Bar. Pressure					982	—	—	981	—	—	—	—				
Cloud Cover					0	5	—	—	30	—	40	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction					N	NE										
Height of Flight					3	1										
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	60	—	—	—	—	—	15			435	
Black Vulture																BV
Turkey Vulture					1	3									4	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel						1									1	AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL					1	4									5	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) CONAN GUARD MO 3 DAY 28 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	—	3	—	2	3	2	3				
Wind Dir. (From)					W	NW	N	—	NW	—	W	—				
Temp. (Deg. C)					1.6	2.5	2.9	2.3	3.8	4.9	5.1	—				
Humidity					87.5	88.9	81.8	83.3	83.5	71.4	73.7	75.1				
Bar. Pressure					966	967	—	968	—	969	—	—				
Cloud Cover					100	—	—	—	—	—	90	—				
Visibility					5	6	6	1	—	0	2	4				
Precipitation					2	0	0	6	5	6	0	—				
Flight Direction							NW									
Height of Flight							2									
No. of Observers					1	1	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	60	—	—	—	—	—	15			435	

Black Vulture																BV	
Turkey Vulture							1								1	TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL							1								1	TH	

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 3 DAY 30 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	2	1	2	—	3	1	0				
Wind Dir. (From)					NW	—	N	N	NE	N	—	N/A				
Temp. (Deg. C)					1.7	3.5	4.2	4.3	4.5	—	6.3	9.8				
Humidity					63.3	60.3	52.7	44.3	41.2	38.5	32.5	27.4				
Bar. Pressure					975	—	974	—	—	972	—	971				
Cloud Cover					5	—	10	—	—	20	—	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction						N			NE							
Height of Flight						3			2							
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	15			435	

Black Vulture																BV
Turkey Vulture						1			2						3	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL						1			2						3	TH

Comments

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HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 4 DAY 3 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	1	—	2	1	—	—	—				
Wind Dir. (From)					E	NE	N	—	NW	—	—	—				
Temp. (Deg. C)					3.5	5.9	9.5	11.3	11.9	9.9	9.3	9.1				
Humidity					43.3	37.7	33.5	27.7	23.2	22.6	23.7	22.8				
Bar. Pressure					970	—	—	—	—	968	—	—				
Cloud Cover					0	—	—	30	—	80	90	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	60	—	—	—	—	—	15			435	
Black Vulture																BV
Turkey Vulture								2							2	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL								2							2	TH

Comments

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OBSERVER(S) Conan Guard

ADDRESS

MO 4 DAY 4 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	3	2	—	3	—	2	3				
Wind Dir. (From)					N	—	NW	—	—	—	W	NW				
Temp. (Deg. C)					13.0	13.4	14.1	13.2	13.7	13.4	12.9	11.3				
Humidity					41.3	37.8	33.0	57.2	55.2	67.8	73.3	61.5				
Bar. Pressure					961	—	962	—	—	—	—	963				
Cloud Cover					80	—	90	100	—	—	80	—				
Visibility					8	—	—	6	—	8	—	—				
Precipitation					0	—	—	2	—	—	0	—				
Flight Direction						W			N	—						
Height of Flight						3			2	2						
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	15			435	

Black Vulture																BV	
Turkey Vulture						1			1	1					3	TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk									1						1	RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL						1			2	1					4	TH	

Comments

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LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard MO 4 DAY 5 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	2	3	2	—	1	—	2				
Wind Dir. (From)					NW	—	—	—	—	—	—	—				
Temp. (Deg. C)					0.8	0.9	2.3	3.2	3.0	5.1	5.2	—			← 3-4	
Humidity					60.4	66.5	55.1	56.5	53.2	54.1	46.6	49.6			(5.2)	Comments
Bar. Pressure					968	—	969	—	—	—	—	—				
Cloud Cover					100	—	—	—	—	—	—	95				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	0	—	—	—	—	—	—				
Flight Direction						NE										
Height of Flight						2										
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	15			435	

Black Vulture																BV
Turkey Vulture						2									2	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL						2									2	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY | 1 | 1 |

OBSERVER(S) Conan Guard MO 4 DAY 6 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	—	—	1	—	2	—	1				
Wind Dir. (From)					N	NW	—	—	N	—	NW	—				
Temp. (Deg. C)					3.3	3.7	6.5	8.9	9.2	—	9.8	9.6				
Humidity					59.7	58.8	53.7	48.4	43.5	39.7	31.0	32.3				
Bar. Pressure					974	—	—	973	—	—	—	—				
Cloud Cover					15	20	10	5	—	0	—	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction							NE			—						
Height of Flight							2			—						
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	15			435	

Black Vulture																BV	
Turkey Vulture							1			2					3	TV	~~3~~
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL							1			2					3	TH	

Comments

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MO 4 DAY 7 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	3	—	2	3	—	—	2				
Wind Dir. (From)					NW	N	—	—	—	NW	N	—				
Temp. (Deg. C)					8.8	9.0	10.5	10.0	11.2	11.0	11.2	—				
Humidity					33.7	33.4	31.3	26.2	24.5	19.9	18.7	20.2				
Bar. Pressure					976	—	975	—	974	—	—	—				
Cloud Cover					5	0	10	70	80	90	80	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction						VAR			NE	E						
Height of Flight						7			7	3						
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	15			435	

Black Vulture																BV	
Turkey Vulture						3			3	*2					8	TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk									2						2	RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL						3			5	2					10	TH	

Comments

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	1	—	2	—	—	—	—				
Wind Dir. (From)					N	—	—	—	—	—	N	—				
Temp. (Deg. C)					3.5	4.7	7.0	5.3	6.4	6.9	9.8	9.6				
Humidity					81.1	87.4	94.1	100	91.5	88.6	69.6	57.6				
Bar. Pressure					966	967	968	—	967	—	—	—				
Cloud Cover					100	—	95	100	95	85	75	—				
Visibility					3	2	6	8	—	—	—	—				
Precipitation					1	1	0	2	0	0	—	—				
Flight Direction						SW			S	WSW						
Height of Flight						2			2	2						
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	30			450	

Black Vulture																BV
Turkey Vulture						1			1	5					7	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL						1			1	5					7	TH

Comments

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	—	3	—	—	2	—	—				
Wind Dir. (From)					N	NE	N	—	—	NNW	NW	—				
Temp. (Deg. C)					4.2	6.1	7.9	8.0	10.1	12.2	11.8	10.9				
Humidity					67.3	85.2	72.8	65.9	47.9	46.6	52.3	62.1				
Bar. Pressure					975	—	—	—	974	—	—	975				
Cloud Cover					10	5	—	50	70	95	—	90				
Visibility					8	8	—	—	—	—	—	—				
Precipitation					0	0	—	—	—	—	—	—				
Flight Direction					NW		SE		E							
Height of Flight					2		3		7							
No. of Observers					1										Total	
Dur. of Obs. (min)					60	—	—	20	60	—	—	30			410	

Black Vulture																BV	
Turkey Vulture					1		5		5						11	~~TV~~	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL					1		5		5						11	TH	

Comments

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					2	—	1	2	—	—	—	—			
Wind Dir. (From)					N	NW	N	—	—	NW	W	—			
Temp. (Deg. C)					6.6	8.7	10.7	15.6	15.8	13.2	13.1	13.2			
Humidity					78.8	65.3	50.3	37.5	36.6	30.6	32.1	35.0			
Bar. Pressure					977	978	—	—	977	—	—	—			
Cloud Cover					5	—	0	—	5	—	—	10			
Visibility					8	—	—	—	—	—	—	—			
Precipitation					0	—	—	—	—	—	—	—			
Flight Direction								NE		N	—				
Height of Flight								2		4	2				
No. of Observers					1	—	—	—	—	—	—	—			Total
Dur. of Obs. (min)					60	—	—	30	60	—	—	—			420

Comments

Black Vulture																BV
Turkey Vulture								1		4	2				7	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL								1		4	2				7	TH

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MO 4 DAY 14 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	—	3	—	2	—	—	—				
Wind Dir. (From)					NE	—	NW	—	—	—	—	—				
Temp. (Deg. C)					14.3	14.8	16.8	18.1	17.2	16.9	16.3	15.8				
Humidity					39.2	33.5	37.2	33.0	31.0	30.7	33.4	36.7				
Bar. Pressure					975	—	—	974	—	—	—	—				
Cloud Cover					30	—	40	50	—	60	—	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction						NE	NW	—	NE		NE					
Height of Flight						2	3	2	2		2					
No. of Observers					1	1	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	60	—	—	—	—	—	30			450	
Black Vulture																BV
Turkey Vulture						1	2	3	1		3				10	TV 11
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo								1							1	UB 1
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL						1	2	4	1		3				11	TH

Comments

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	—	—	—	—	2	—	3				
Wind Dir. (From)					W	SW	—	—	—	SW	—	—				
Temp. (Deg. C)					19.9	23.8	26.5	26.2	25.2	26.1	25.4	24.4				
Humidity					36.5	38.7	45.4	44.1	51.0	55.6	62.3	60.3				
Bar. Pressure					968	967	—	—	966	—	—	—				
Cloud Cover					40	75	90	—	—	—	100	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction						NE		E			NE					
Height of Flight						3		2			—					
No. of Observers					1										Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	45			465	

Black Vulture																BV	
Turkey Vulture						2		1			3				6	~~TV~~	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL						2		1			3				6	TH	

Comments

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	3	—	—	4	—	—	3				
Wind Dir. (From)					NW	—	—	N	NW	W	—	—				
Temp. (Deg. C)					8.3	10.0	10.6	10.1	9.6	10.0	11.5	10.9				
Humidity					63.3	59.4	57.7	52.6	51.7	54.7	50.4	48.5				
Bar. Pressure					978	—	—	—	979	—	978	979				
Cloud Cover					75	60	75	80	70	60	50	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction					NE		N		W	NW						
Height of Flight					2		3		—	3						
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	45			465	

																	Comments
Black Vulture																BV	
Turkey Vulture					*2		*1	0	*2	*1					6	TV	~~7~~
Osprey																OS	
Swallow-tailed Kite																SK	6
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL					2		1	0	2	1					6	TH	

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					1	2	1	—	—	—	2	1			
Wind Dir. (From)					NW	—	—	N	NW	—	—	—			
Temp. (Deg. C)					6.0	10.4	9.6	9.7	—	9.0	13.9	13.5			
Humidity					51.2	45.1	44.6	42.5	35.5	33.3	31.1	33.7			
Bar. Pressure					982	981	—	—	—	979	978	—			
Cloud Cover					30	—	40	20	—	—	10	—			
Visibility					8	—	—	—	—	—	—	—			
Precipitation					0	—	—	—	—	—	—	—			
Flight Direction										W					
Height of Flight										3					
No. of Observers					1	—	—	—	—	—	—	—			Total
Dur. of Obs. (min)					60	—	—	—	—	—	—	45			465

Black Vulture																BV
Turkey Vulture										2					2	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL										2					2	TH

Comments

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	—	3	4	3	—	2	3				
Wind Dir. (From)					N	NW	—	W	SW	W	—	—				
Temp. (Deg. C)					14.6	15.3	17.6	18.5	19.1	19.8	19.5	18.9				
Humidity					46.6	43.1	35.9	32.3	32.7	34.7	32.4	38.4				
Bar. Pressure					970	971	—	—	970	—	971	—				
Cloud Cover					10	20	—	—	10	—	—	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	45			465	

Black Vulture																BV
Turkey Vulture										3	1				4	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL										3	1				4	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 4 DAY 20 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	1	—	—	—	—	2	—				
Wind Dir. (From)					NE	—	—	—	NNE	VAR	SW	—				
Temp. (Deg. C)					10.8	12.1	14.4	16.0	20.6	22.9	22.3	23.1				
Humidity					67.1	62.5	59.0	54.1	46.1	43.6	44.6	41.5				
Bar. Pressure					968	—	—	969	—	—	—	—				
Cloud Cover					70	80	60	20	—	40	50	80				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction								NE	—		N					
Height of Flight								3	2		3					
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—			480	

Black Vulture																BV
Turkey Vulture								3	2		2				7	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL								3	2		2				7	TH

Comments

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LOCATION Copenhagen, NY

OBSERVER(S) CONAN GUARD MO 4 DAY 23 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	—	—	—	—	—	1	—				
Wind Dir. (From)					NW	NE	N	NE	—	N	NW	—				
Temp. (Deg. C)					1.8	4.7	2.6	3.3	6.2	—	7.6	7.7				
Humidity					100	—	—	—	—	—	90.6	91.5				
Bar. Pressure					948	—	—	947	946	—	944	—				
Cloud Cover					100	—	—	—	—	—	—	—				
Visibility					1.5	—	—	—	—	—	3	—				
Precipitation					2	—	—	—	—	0	2	2				
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	45			465	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															Ø TH	

Comments

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HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

MO 4 DAY 24 YR 12

ADDRESS Carthage, NY

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	3	4	3	—	—	—	—				
Wind Dir. (From)					SW	—	—	—	—	—	—	—				
Temp. (Deg. C)					2.5	2.1	5.8	6.0	6.2	6.3	6.0	5.7				
Humidity					100	—	—	98.8	100	—	96.7	95.3				
Bar. Pressure					946	—	948	—	949	950	—	951				
Cloud Cover					100	—	95	100	90	80	90	100				
Visibility					4	0.5	6	5	6	—	—	—				
Precipitation					5	5	2	—	0	2	—	0				
Flight Direction							W	SE	SW		E					
Height of Flight							2	3	2		2					
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	45			465	

Black Vulture																BV
Turkey Vulture							6	2	1		1				10	TV ~~10~~
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL							6	2	1		1				10	TH

Comments

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LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard MO 4 DAY 25 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	—	4	3	—	—	2	3				
Wind Dir. (From)					W	—	—	—	SW	—	W	—				
Temp. (Deg. C)					3.3	3.9	5.1	5.8	6.2	6.4	6.8	6.3				
Humidity					78.5	81.3	63.4	59.2	68.7	71.3	65.6	63.4				
Bar. Pressure					962	—	963	—	—	—	964	—				
Cloud Cover					90	—	100	—	95	100	—	90				
Visibility					8	—	6	8	—	—	6	—				
Precipitation					0	—	2	0	—	—	2	—				
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	45			465	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															Ø TH	

Comments

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LOCATION Copenhagen, NY

OBSERVER(S) CONAN GUARD MO 4 DAY 27 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	—	2	—	—	3	2	—				
Wind Dir. (From)					NW	—	NNW	NW	N	NW	—	—				
Temp. (Deg. C)					0.2	0.3	0.5	1.6	2.9	3.0	3.2	—				
Humidity					63.8	65.1	64.3	54.3	52.8	49.7	51.5	55.1				
Bar. Pressure					969	970	—	—	971	—	972	—				
Cloud Cover					100	—	—	90	100	—	—	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction									NE		—					
Height of Flight									4		3					
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—			480	

																	Comments
Black Vulture																BV	
Turkey Vulture									2		1				3	TV	3
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk									1						1	RT	1
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL									3		1				4	TH	

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HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 5 DAY 01 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	3	—	—	1	2	—	—				
Wind Dir. (From)					S	SW	W	—	—	—	—	—				
Temp. (Deg. C)					11.6	12.0	13.3	10.9	11.0	11.5	11.3	10.7				
Humidity					84.1	91.2	83.4	93.6	100	—	—	—				
Bar. Pressure					969	970	—	—	971	972	—	973				
Cloud Cover					100	—	—	—	90	100	—	—				
Visibility					4	—	—	6	—	—	—	—				
Precipitation					2	0	—	—	—	—	—	—				
Flight Direction										N						
Height of Flight										3						
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					30	60	—	—	—	—	—	—			450	

Black Vulture																BV
Turkey Vulture										3					3	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL										3					3	TH

Comments

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OBSERVER(S) Conan Guard

ADDRESS

MO 5 DAY 2 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7			Comments
Wind Speed					1	2	1	—	2	—	—	1					
Wind Dir. (From)					NE	NNE	NE	—	E	NE	—	NNE					
Temp. (Deg. C)					13.5	12.6	16.3	19.4	20.3	20.7	21.2	20.8					
Humidity					79.3	85.4	81.8	73.0	77.5	63.4	65.4						
Bar. Pressure					974	—	—	973	972	—	—	971					
Cloud Cover					95	100	—	60	50	30	—	50					
Visibility					8	—	—	—	—	—	—	—					
Precipitation					0	0	—	—	—	—	—	—					
Flight Direction					NW		NE	N	NE		N						
Height of Flight					2		3	2	3		2						
No. of Observers					1	—	—	—	—	—	—	—			Total		
Dur. of Obs. (min)					60	—	—	—	—	—	—	—			480		
Black Vulture																BV	
Turkey Vulture					*1		*1	*3	5		*4				14	TV	14
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL					1		1	3	5		4				14	TH	

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OBSERVER(S) CONAN GUARD

ADDRESS

MO 5 DAY 3 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	—	2	1	—	—	—					
Wind Dir. (From)					S	—	SE	NNE	N	—	—					
Temp. (Deg. C)					13.5	14.7	16.3	18.7	21.1	23.2	21.8					
Humidity					100	95.8	92.4	84.7	72.4	69.2	74.2					
Bar. Pressure					972	—	—	973	—	—	971					
Cloud Cover					100	—	90	70	—	90	100					
Visibility					4	—	—	8	—	—	—					
Precipitation					1	—	—	0	—	—	—					
Flight Direction								NW		N						
Height of Flight								3		4						
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—			480	

Black Vulture															BV	
Turkey Vulture								2		4					6	TV 6
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL								2		4					6	TH

Comments

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OBSERVER(S) Conan Guard MO 5 DAY 4 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	—	2	—	—	—	—	—				
Wind Dir. (From)					W	—	—	—	NW	N	NW	—				
Temp. (Deg. C)					15.7	17.0	17.8	19.4	19.3	19.6	19.4	21.0				
Humidity					100	91.2	88.6	79.3	77.5	81.3	83.8	78.6				
Bar. Pressure					968	—	—	—	—	969	—	—				
Cloud Cover					100	—	90	—	100	—	—	90				
Visibility					2	—	—	6	—	—	—	—				
Precipitation					1	—	—	0	—	—	2	0				
Flight Direction							NW		N	—						
Height of Flight							2		2	3						
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—			480	

Black Vulture															BV	
Turkey Vulture							1		1	2					4	TV 4
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL							1		1	2					4	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 5 DAY 5 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	1	2	—	—	—	—	—				
Wind Dir. (From)					N	—	NE	N	—	—	NNE	N				
Temp. (Deg. C)			9.1 →		[illegible]	11.0	12.2	12.9	13.2	14.9	15.7	16.4				
Humidity					77.7	74.5	73.5	64.8	59.0	50.3	44.0	41.5				
Bar. Pressure					970	—	971	972	—	973	972	—				
Cloud Cover					100	—	80	—	60	10	—	—				
Visibility					8	—	—	—	—	—	—	—				
Precipitation					0	—	—	—	—	—	—	—				
Flight Direction									N	NE		NE				
Height of Flight									6	3		3				
No. of Observers					1	—	—	—	—	—	—	—			Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—			480	

																	Comments
Black Vulture																BV	
Turkey Vulture									1	3		1			5	TV	5
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo									1						1	UB	1
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL									2	3		1			6	TH	

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	—	—	—	3	—	1	3	2	—		
Wind Dir. (From)					NE	E	ENE	E	VAR	—	SE	SW	S	—		
Temp. (Deg. C)					16.3	19.4	20.7	22.2	23.2	25.1	24.3	22.9	20.8	19.8		
Humidity					30.6	16.8	22.9	24.0	19.7	18.1	13.4	18.5	19.8	50.7		
Bar. Pressure			28.8 →		[illegible]	28.76	28.74	28.71	28.70	28.67	28.65	28.64	—	28.63		
Cloud Cover					10	5	—	—	15	—	20	50	100	—		
Visibility					8	—	—	—	—	—	—	—	—	—		
Precipitation					0	—	—	—	—	—	—	—	—	—		
Flight Direction					NW	E		N	—			N	—			
Height of Flight					2	6		2	5			2	3			
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total	
Dur. of Obs. (min)					60	—	—	—	45	60	—	—	—	15	540	

Black Vulture																BV
Turkey Vulture					2	1	0	2	7			1	1		14	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel					1											AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL					3	1		2	7			1	1		15	TH

Comments

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OBSERVER(S) Conan Guord

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MO 5 DAY 9 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					2	—	3	—	4	3	4	3	—	—	
Wind Dir. (From)					W	—	—	—	SW	—	W	—	—	WSW	
Temp. (Deg. C)					14.8	15.6	17.1	17.8	16.5	17.7	20.7	20.8	20.3	20.1	
Humidity					85.9	80.3	70.3	81.2	83.1	74.3	47.8	42.2	47.5	48.7	
Bar. Pressure					28.41	28.40	28.39	—	28.38	28.37	28.34	28.33	—	—	
Cloud Cover					70	85	80	100	—	90	80	—	—	—	
Visibility					8	—	—	6	—	8	—	—	—	—	
Precipitation					0	—	—	—	3	0	—	—	—	—	
Flight Direction						NE	N								
Height of Flight						4									
No. of Observers					1	—	—	—	—	—	—	—	—		Total
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	15	555

																Comments
Black Vulture															~~BV~~	
Turkey Vulture						4'	1							5	TV ~~10~~	
Osprey															~~OS~~	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL						9	1							5	TH	

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LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard MO 5 DAY 10 YR 12

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TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	2	—									
Wind Dir. (From)					N	NW	—									
Temp. (Deg. C)					7.7	8.5	9.2									
Humidity					79.1	80.4	80.6									
Bar. Pressure					28.34	28.31	28.30									
Cloud Cover					100	—	—									
Visibility					6	2	2									
Precipitation					2	2	—									
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—							Total	
Dur. of Obs. (min)					60	—	—								180	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Raining ended survey

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					2	—	—	3	—	—	2	—	—	—	
Wind Dir. (From)					NW	N	NW	—	—	—	N	NW	—	—	
Temp. (Deg. C)					14.1	15.7	16.1	16.9	15.7	17.4	18.3	18.5	18.9	18.2	
Humidity					44.8	39.3	38.5	38.9	45.2	41.8	37.4	30.5	29.2	31.4	
Bar. Pressure					28.63	28.64	—	—	28.65	—	28.66	—	—	—	
Cloud Cover					5	—	20	—	10	—	—	5	—	—	
Visibility					8	—	—	—	—	—	—	—	—	—	
Precipitation					0	—	—	—	—	—	—	—	—	—	
Flight Direction														SE	
Height of Flight														3	
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	15	555

Comments

Black Vulture																BV
Turkey Vulture																TV 4
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total	Comments
Wind Speed					1	—	—	—	—	—	—	—	—	—		
Wind Dir. (From)					N	NE	—	W	—	—	SW	—	S	SW		
Temp. (Deg. C)					16.7	18.1	18.9	19.4	20.2	21.3	20.5	20.1	20.5	19.3		
Humidity					73.5	77.8	80.0	75.2	73.2	74.8	73.5	81.9	71.7	62.1		
Bar. Pressure					28.69	—	28.68	—	—	—	28.69	28.68	—	—		
Cloud Cover					90	100	—	—	—	90	—	100	50	30		
Visibility					8	—	—	—	—	—	—	—	—	—		
Precipitation					0	—	—	—	—	—	—	—	—	—		
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—	—	—	—		
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	20	~~560~~ 560	

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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ADDRESS

MO 5 DAY 16 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	—	—	4	2	1	→	3	—	—		
Wind Dir. (From)					N	—	NNW	SW	W	NW	—	—	W	NW		
Temp. (Deg. C)					20.2	21.3	23.6	22.5	23.9	22.3	19.9	19.4	18.1	16.5		
Humidity					71.8	68.8	55.9	54.6	47.6	51.2	50.7	57.8	60.8	63.3		
Bar. Pressure					28.51	28.50	—	—	28.51	—	28.52	—	—	—		
Cloud Cover					40	70	90	70	—	95	—	—	80	90		
Visibility					8	—	—	—	—	—	—	—	—	—		
Precipitation					0	—	—	—	—	—	—	—	—	—		
Flight Direction											SE					
Height of Flight											3					
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	20	560	

																	Comments
Black Vulture																BV	
Turkey Vulture											2				2	TV	5
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL											2				2	TH	

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LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 5 DAY 17 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	2	3	—	—	1	2	—	—	1		
Wind Dir. (From)					NW	—	—	—	NNW	NW	—	—	W	—		
Temp. (Deg. C)					11.6	14.4	15.6	17.4	17.8	17.3	16.9	20.0	18.7	17.5		
Humidity					45.8	48.9	41.6	38.3	37.9	34.1	38.1	32.2	40.2	48.6		
Bar. Pressure					28.83	28.84	28.83	—	—	—	28.82	—	—	—		
Cloud Cover					30	50	60	—	50	—	30	5	—	—		
Visibility					8	—	—	—	—	—	—	—	—	—		
Precipitation					0	—	—	—	—	—	—	—	—	—		
Flight Direction								N		NW		NW				
Height of Flight								3		4		4				
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	20	560	

Comments

Black Vulture																BV	
Turkey Vulture								2		3		8			13	TV	~~13~~
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL								2		3		8			13	TH	

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LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 5 DAY 18 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	0	1	—	—	—	—	2	1	—		
Wind Dir. (From)					NW	—	—	VAR	NW	—	—	—	VAR	NW		
Temp. (Deg. C)					14.7	16.4	24.4	24.2	23.8	24.1	22.6	22.4	21.1	20.4		
Humidity					50.2	41.7	29.5	32.5	33.3	35.2	—	35.8	31.7	33.8		
Bar. Pressure					28.92	—	28.91	—	—	—	28.90	—	—	—		
Cloud Cover					0	—	—	—	—	—	—	—	—	10		
Visibility					8	—	—	—	—	—	—	—	—	—		
Precipitation					0	—	—	—	—	—	—	—	—	—		
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	25	565	

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 5 DAY 21 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					1	2	—	—	—	1	2	3	—	2	
Wind Dir. (From)					SE	E	SE	—	—	—	SSE	SE	—	S	
Temp. (Deg. C)					22.8	24.2	24.9	26.0	25.8	24.8					
Humidity					45.7	42.2	39.8	36.9	43.9	51.5	57.2	60.7	59.8	61.9	
Bar. Pressure					28.83	28.82	—	28.80	28.77	28.75	—	28.74	—	—	
Cloud Cover					05	—	10	—	40	50	20	—	10	—	
Visibility					8	—	—	—	—	—	—	—	—	—	
Precipitation					0	—	—	—	—	—	—	—	—	—	
Flight Direction															
Height of Flight															
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	30	570

Comments

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY | | |

OBSERVER(S) Conan Guard MO 5 DAY 23 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total
Wind Speed					1	1	—	2	1	2	—	1	2	1	
Wind Dir. (From)					N	—	—	NW	—	—	—	N	NE	—	
Temp. (Deg. C)					17.8	22.2	24.4	26.5	27.1	27.9	28.4	26.9	26.1	25.3	
Humidity					88.5	74.4	71.1	62.4	65.4	67.7	61.2	60.7	61.9	62.7	
Bar. Pressure					28.66	28.68	—	—	28.67	—	—	28.66	—	—	
Cloud Cover					80	95	70	50	—	—	40	30	—	20	
Visibility					8	—	—	—	—	—	—	—	—	—	
Precipitation					0	—	—	—	—	—	—	—	—	—	
Flight Direction					W										
Height of Flight					2										
No. of Observers					1	—	—	—	—	—	—	—	—	—	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	30	570

Comments

	9-10	Total	
Black Vulture			BV
Turkey Vulture			TV
Osprey			OS
Swallow-tailed Kite			SK
White-tailed Kite			WK
Mississippi Kite			MK
Hook-billed Kite			HK
Bald Eagle	1	1	BE
Northern Harrier			NH
Sharp-shinned			SS
Cooper's Hawk			CH
Northern Goshawk			NG
Red-shouldered			RS
Broad-winged			BW
Short-tailed Hawk			ST
Swainson's Hawk			SW
Red-tailed Hawk			RT
Ferruginous Hawk			FH
White-tailed Hawk			WT
Zone-tailed Hawk			ZT
Harris' Hawk			HH
Rough-legged			RL
Golden Eagle			GE
American Kestrel			AK
Merlin			ML
Peregrine Falcon			PG
Gyrfalcon			GY
Prairie Falcon			PR
Crested Caracara			CC
Unid. Vulture			UV
Unid. Accipiter			UA
Unid. Buteo			UB
Unid. Eagle			UE
Unid. Falcon			UF
Unid. Raptor			UU
Other (From Back)			OO
TOTAL	1	1	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 5 DAY 25 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					4	3	4	3	—	—	—	—	—	—	
Wind Dir. (From)					S	SE	—	S	—	SE	SW	—	—	—	
Temp. (Deg. C)					21.0	22.5	24.1	26.0	26.8	27.2	28.2	29.6	—	29.4	
Humidity					84.9	82.0	79.2	68.1	64.7	62.3	58.4	59.7	61.8	62.5	
Bar. Pressure					28.76	28.75	28.72	—	—	28.71	—	28.69	—	—	
Cloud Cover					60	—	20	40	20	—	—	10	20	40	
Visibility					6	—	—	8	—	—	—	—	—	—	
Precipitation					0	—	—	—	—	—	—	—	—	—	
Flight Direction															
Height of Flight															
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	30	570

Comments

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															Ø	TH Ø

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard MO 5 DAY 26 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		Comments
Wind Speed					2	—	3	2	—	—	—	1	—	—		
Wind Dir. (From)					N	—	—	—	NW	W	—	SW	VAR	W		
Temp. (Deg. C)					20.4	22.3	24.4	25.6	25.8	25.6	25.2	—	24.7	24.3		
Humidity					42.6	46.6	36.2	36.4	41.4	43.5	45.9	41.2	52.2	50.5		
Bar. Pressure					28.86	28.85	28.86	—	—	28.85	—	—	28.84	—		
Cloud Cover					10	5	10	—	—	20	10	—	—	—		
Visibility					8	—	—	—	—	—	—	—	—	—		
Precipitation					0	—	—	—	—	—	—	—	—	—		
Flight Direction																
Height of Flight															570	
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	30	~~600~~	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															Ø	TH Ø

5

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

MO 5 DAY 28 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	—	—	—	2	—	—	—	2	1		
Wind Dir. (From)					NW	N	NW	—	W	SW	S	—	SW	W		
Temp. (Deg. C)					20.8	22.3	25.3	26.9	29.2	30.3	30.7	28.5	28.2	27.9		
Humidity					65.1	80.2	57.2	44.4	45.9	51.1	47.1	49.7	55.6	58.5		
Bar. Pressure					28.63	—	28.64	—	28.61	28.60	28.58	—	—	—		
Cloud Cover					70	100	90	40	0	0	20	40	50	30		
Visibility					8	6	8	—	—	—	—	—	—	—		
Precipitation					0	3	1	0	—	—	—	—	—	—		
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	30	570	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															TH	Ø

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard MO 5 DAY 29 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total
Wind Speed					2	3	—	—	—						
Wind Dir. (From)					5	SW	—	—	—						
Temp. (Deg. C)					~~28.46~~	~~28.44~~	30.3	30.7	28.9						
Humidity					68.5	63.1	61.3	59.4	62.2						
Bar. Pressure					28.46	28.44	—	28.41	28.40						
Cloud Cover					50	60	—	80	100						
Visibility					6	—	—	—	—						
Precipitation					1	—	—	—	—						
Flight Direction															
Height of Flight															
No. of Observers					1	—	—	—	—						
Dur. of Obs. (min)					60	—	—	—	—						300

TEMPS
9-10 26.3°
10-11 28.8°

		Comments
Black Vulture	BV	
Turkey Vulture	TV	
Osprey	OS	
Swallow-tailed Kite	SK	
White-tailed Kite	WK	
Mississippi Kite	MK	
Hook-billed Kite	HK	
Bald Eagle	BE	
Northern Harrier	NH	
Sharp-shinned	SS	
Cooper's Hawk	CH	
Northern Goshawk	NG	
Red-shouldered	RS	
Broad-winged	BW	
Short-tailed Hawk	ST	
Swainson's Hawk	SW	
Red-tailed Hawk	RT	
Ferruginous Hawk	FH	
White-tailed Hawk	WT	
Zone-tailed Hawk	ZT	
Harris' Hawk	HH	
Rough-legged	RL	
Golden Eagle	GE	
American Kestrel	AK	
Merlin	ML	
Peregrine Falcon	PG	
Gyrfalcon	GY	
Prairie Falcon	PR	
Crested Caracara	CC	
Unid. Vulture	UV	
Unid. Accipiter	UA	
Unid. Buteo	UB	
Unid. Eagle	UE	
Unid. Falcon	UF	
Unid. Raptor	UU	
Other (From Back)	OO	
TOTAL	TH	0

Survey ended early due to searcher illness

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) CONAN GUARD

ADDRESS

MO 5 DAY 30 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	—	3	2	—	—	—	—	—	—		
Wind Dir. (From)					NW	—	N	—	—	W	—	WSW	W	—		
Temp. (Deg. C)					18.3	18.9	21.1	22.8	24.4	23.8	23.5	23.0	22.3	21.8		
Humidity					52.3	49.7	45.2	41.1	40.9	38.2	40.1	41.3	38.1	42.0		
Bar. Pressure					28.44	—	28.45	—	—	28.46	—	28.45	—	—		
Cloud Cover					50	30	—	20	05	—	0	40	10	—		
Visibility					8	—	—	—	—	—	—	—	—	—		
Precipitation					0	—	—	—	—	—	—	—	—	—		
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	45	585	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															0 TH	0

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) Conan Guard

ADDRESS

MO 5 DAY 31 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					1	2	—	—	1	—	2	—	1	—		
Wind Dir. (From)					N	NW	—	N	NW	—	—	N	—	—		
Temp. (Deg. C)					16.9	18.1	19.4	19.9	22.3	22.1	20.9	19.7	19.3	18.7		
Humidity					68.3	63.2	52.2	53.2	45.7	36.1	45.3	51.1	55.5	56.1		
Bar. Pressure					28.61	28.60	—	—	28.61	—	—	28.62	—	—		
Cloud Cover					90	80	—	90	95	—	90	—	70	90		
Visibility					8	—	—	—	—	—	—	—	—	—		
Precipitation					0	—	—	—	—	—	—	—	—	—		
Flight Direction																
Height of Flight																
No. of Observers					1	—	—	—	—	—	—	—	—	—	Total	
Dur. of Obs. (min)					60	—	—	—	—	—	—	—	—	40	580	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															0 TH	

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 08 DAY 15 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					5	8	5	5	5	5	11	11	10	10		
Wind Dir. (From)					W	NW	W	W	W	W	W	W	W	W		
Temp. (Deg. C)					19	20	22	22	23	26	26	25	23	22		
Humidity					100	84	79	79	67	59	63	63	62	71		
Bar. Pressure					29.91	29.92	29.92	29.92	29.91	29.91	29.92	29.90	29.90	29.91		
Cloud Cover					80	80	50	60	60	50	70	40	40	30		
Visibility					5	5	5	5	5	5	5	5	5	5		
Precipitation					0	0	0	0	0	0	0	0	0	0		
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1	1	Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60	30	570	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, N.Y.

OBSERVER(S) M. Amold

ADDRESS

MO 08 DAY 16 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total	Comments
Wind Speed					8	2	3	10	11	11	9	8	7	6		
Wind Dir. (From)					W	W	W	NW	W	W	W	W	W	NW		
Temp. (Deg. C)					21	22	23	23	25	26	25	25	21	20		
Humidity					91	79	71	57	56	58	57	54	65	60		
Bar. Pressure					29.95	29.94	29.94	29.94	29.91	29.92	29.91	29.90	29.90	29.91		
Cloud Cover					40	40	30	30	50	30	40	40	60	60		
Visibility					5	5	5	5	5	5	5	5	5	5		
Precipitation					0	0	0	0	0	0	0	0	0	0		
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1	1	Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60	30	570	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 17 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					13	10	7	8	6	10	7	8	10	8		
Wind Dir. (From)					SW	SW	W	W	W	SW	SW	SW	W	W		
Temp. (Deg. C)					20	21	21	23	23	23	22	21	22	21		
Humidity					85	81	85	72	67	70	66	70	62	65		
Bar. Pressure					29.74	29.74	29.75	29.76	29.77	29.78	29.78	29.78	29.80	29.80		
Cloud Cover					70	70	85	85	70	70	80	60	60	60		
Visibility					5	5	5	5	5	5	5	5	5	5		
Precipitation					0	0	0	0	0	0	0	0	0	0		
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1	1	Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60	30	570	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 18 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		Comments
Wind Speed					7	3	6	4	8	3	3	7	5	6		
Wind Dir. (From)					NW	NW	W	W	NW	W	W	W	W	W		
Temp. (Deg. C)					16	17	19	19	19	20	19	19	17	17		
Humidity					76	69	54	52	49	48	47	45	53	57		
Bar. Pressure					29.95	29.96	29.97	29.96	29.97	29.94	29.93	29.93	29.94	29.94		
Cloud Cover					30	30	20	30	40	60	40	20	20	20		
Visibility					5	5	5	5	5	5	5	5	5	5		
Precipitation					0	0	0	0	0	0	0	0	0	0		
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1	1	Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60	30	570	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 19 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total	Comments
Wind Speed					9	9	8	11	10	9	4	8	8	7		
Wind Dir. (From)					SE	S	S	SW	SW	SW	SW	W	W	W		
Temp. (Deg. C)					16	19	22	22	23	25	24	22	20	18		
Humidity					76	68	62	60	59	55	51	48	48	46		
Bar. Pressure					29.98	29.97	29.98	29.97	29.96	29.96	29.93	29.91	29.90	29.90		
Cloud Cover					30	30	40	50	40	50	40	40	40	50		
Visibility					5	5	5	5	5	5	5	5	5	5		
Precipitation					0	0	0	0	0	0	0	0	0	0		
Flight Direction										NW						
Height of Flight										1						
No. of Observers					1	1	1	1	1	1	1	1	1	1	Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60	30	570	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															Ø	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 20 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					4	4	4	4	8	7	6	7	8			
Wind Dir. (From)					S	NW	NW	NW	NW	NW	NW	N	NW			
Temp. (Deg. C)					18	20	21	22	24	24	23	22	19			
Humidity					86	78	67	56	51	45	45	48	47			
Bar. Pressure					29.90	29.90	29.90	29.90	29.89	29.86	29.86	29.86	29.87			
Cloud Cover					20	20	20	20	30	30	20	20	20			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 21 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					4	6	6	5	8	5	8	7	8			
Wind Dir. (From)					W	W	W	W	W	NW	NW	W	W			
Temp. (Deg. C)					17	20	21	22	22	22	22	21	19			
Humidity					69	54	50	48	48	48	47	47	48			
Bar. Pressure					30.03	30.05	30.06	30.06	30.06	30.06	30.07	30.07	30.05			
Cloud Cover					30	30	30	30	50	40	60	40	40			
Visibility					5	5	5	4	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction							W									
Height of Flight							1									
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															TH	

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 22 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7			Comments
Wind Speed					2	9	7	7	7	7	6	8	7				
Wind Dir. (From)					N	W	W	W	SW	W	SW	NW	NW				
Temp. (Deg. C)					18	22	23	24	25	26	26	26	25				
Humidity					67	66	64	52	49	44	45	42	44				
Bar. Pressure					30.13	30.14	30.14	30.14	30.13	30.11	30.11	30.10	30.09				
Cloud Cover					30	30	30	50	30	30	40	30	50				
Visibility					5	5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0	0				
Flight Direction																	
Height of Flight																	
No. of Observers					1	1	1	1	1	1	1	1	1		Total		
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540		
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 23 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7			Comments
Wind Speed					10	10	12	9	12	12	12	12	8				
Wind Dir. (From)					W	SW	W	SW	W	SW	W	W	W				
Temp. (Deg. C)					22	23	23	26	26	27	27	27	25				
Humidity					77	72	68	60	54	43	45	45	47				
Bar. Pressure					30.13	30.14	30.15	30.14	30.14	30.13	30.13	30.13	30.12				
Cloud Cover					40	40	50	40	50	40	50	70	80				
Visibility					5	5	5	5	5	5	5	4	2				
Precipitation					0	0	0	0	0	0	0	0	0				
Flight Direction																	
Height of Flight																	
No. of Observers					1	1	1	1	1	1	1	1	1		Total		
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540		
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 24 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					5	5	5	4	6	5	9	3	6			
Wind Dir. (From)					S	S	SW	SW	W	W	W	W	W			
Temp. (Deg. C)					21	24	26	27	28	29	29	28	27			
Humidity					67	63	55	49	46	42	44	44	42			
Bar. Pressure					30.18	30.19	30.20	30.19	30.18	30.17	30.17	30.15	30.15			
Cloud Cover					40	30	40	40	30	20	20	40	40			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															Ø	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 27 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					12	12	9	13	7	7	7	6	6			
Wind Dir. (From)					SW	SW	SW	S	S	S	SW	SW	SW			
Temp. (Deg. C)					22	24	25	26	26	26	26	23	22			
Humidity					75	68	67	65	65	64	66	85	89			
Bar. Pressure					30.08	30.07	30.05	30.04	30.02	30.00	29.98	29.96	29.94			
Cloud Cover					80	70	70	80	100	90	90	100	70			
Visibility					5	5	5	5	5	5	4	2	3			
Precipitation					0	0	0	0	0	0	1	2	1			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															Ø	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 28 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					6	5	6	9	14	15	14	15	13			
Wind Dir. (From)					NW	NW	NW	NW	NW	NW	NW	N	N			
Temp. (Deg. C)					19	19	21	22	24	23	24	24	23			
Humidity					99	100	93	78	65	60	54	51	49			
Bar. Pressure					29.91	29.91	29.91	29.90	29.89	29.90	29.92	29.93	29.95			
Cloud Cover					100	100	100	80	80	80	90	90	80			
Visibility					5	5	5	3	3	3	3	3	3			
Precipitation					0	0	0	1	1	1	1	1	1			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 29 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					2	2	3	6	6	6	3	6	8			
Wind Dir. (From)					S	S	S	W	W	W	W	W	W			
Temp. (Deg. C)					15	17	18	20	21	21	22	22	22			
Humidity					73	65	51	46	43	40	39	41	41			
Bar. Pressure					30.06	30.06	30.07	30.06	30.06	30.04	30.02	30.01	30.00			
Cloud Cover					40	40	50	40	30	20	40	30	50			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
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Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 8 DAY 30 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					9	10	10	13	12	15	15	13	12			
Wind Dir. (From)					SW	W	SW	W	W	W	SW	SW	W			
Temp. (Deg. C)					14	21	22	23	23	24	25	25	25			
Humidity					81	78	68	67	70	62	60	61	57			
Bar. Pressure					30.03	30.04	30.04	30.04	30.03	30.01	30.00	29.99	29.99			
Cloud Cover					40	30	40	50	50	40	40	30	20			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
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Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 8 DAY 31 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					13	16	16	16	17	15	20	10	12			
Wind Dir. (From)					SW	W	SW	SW	SW	W	W	W	W			
Temp. (Deg. C)					23	23	24	24	26	27	28	27	27			
Humidity					61	62	63	64	61	58	55	62	63			
Bar. Pressure					29.92	29.92	29.91	29.89	29.88	29.86	29.85	29.84	29.83			
Cloud Cover					80	60	40	50	40	40	30	40	50			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	100	60	60		540	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															0 TH	

Comments

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Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 3 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					14	13	8	8	9	10	8	15	13			
Wind Dir. (From)					SE	SE	S	SE	S	S	SW	S	S			
Temp. (Deg. C)					19	22	26	27	28	28	29	28	27			
Humidity					68	67	61	58	57	54	53	69	64			
Bar. Pressure					30.10	30.10	30.10	30.08	30.07	30.06	30.05	30.04	30.03			
Cloud Cover					20	20	30	20	50	50	40	30	50			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction								S	S							
Height of Flight								4	4							
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged								3	2						5	BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL								3	2						5	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Cazenhyn, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 4 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					8	12	12	13	9	8	10	7	7			
Wind Dir. (From)					SE	SE	SE	SE	SE	SE	SE	SE	SE			
Temp. (Deg. C)					21	23	25	23	23	23	23	24	24			
Humidity					83	76	72	77	82	91	91	88	84			
Bar. Pressure					29.96	29.95	29.95	29.94	29.93	29.91	29.88	29.85	29.84			
Cloud Cover					80	60	40	70	100	100	100	90	90			
Visibility					5	5	5	5	2	2	2	4	4			
Precipitation					0	0	0	0	3	3	3	0	0			
Flight Direction						SE										
Height of Flight						3										
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned						1									1	SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL						1									1	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

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LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 5 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	2	3	5	3	1	3	1	1			
Wind Dir. (From)					NE	NE	N	NW	NW	N	NE	N	N			
Temp. (Deg. C)					18	19	21	23	24	24	24	25	26			
Humidity					100	99	88	78	70	67	69	64	58			
Bar. Pressure					29.86	29.87	29.88	29.88	29.87	29.87	29.84	29.83	29.83			
Cloud Cover					90	90	80	60	60	60	60	80	70			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

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LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 6 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					6	10	8	9	7	13	15	12	10			
Wind Dir. (From)					S	SW	SW	W	W	W	W	W	W			
Temp. (Deg. C)					19	24	25	26	27	27	27	27	26			
Humidity					93	72	70	68	71	69	75	74	69			
Bar. Pressure					29.84	29.84	29.84	29.85	29.83	29.83	29.82	29.82	29.82			
Cloud Cover					100	40	40	50	40	40	60	60	40			
Visibility					2	5	5	5	5	5	5	5	5			
Precipitation					4	0	0	0	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
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Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 9 DAY 7 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					6	5	6	5	2	10	7	6	3			
Wind Dir. (From)					S	S	SE	SE	SE	W	W	SW	W			
Temp. (Deg. C)					21	22	23	24	26	27	27	27	26			
Humidity					64	60	49	51	48	44	45	49	54			
Bar. Pressure					29.92	29.92	29.94	29.93	29.92	29.91	29.89	29.87	29.86			
Cloud Cover					40	20	20	20	60	40	40	80	60			
Visibility					5	5	5	5	3	5	5	5	5			
Precipitation					0	0	0	0	2	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	60		540	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev:.03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 9 DAY 10 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					6	7	7	9	7	6	7	9	8			
Wind Dir. (From)					NW	NW	NW	N	N	N	NW	N	N			
Temp. (Deg. C)					12	12	13	14	14	14	15	16	16			
Humidity					89	80	73	66	63	57	56	56	54			
Bar. Pressure					30.08	30.10	30.11	30.11	30.11	30.11	30.11	30.11	30.11			
Cloud Cover					60	90	80	100	100	100	100	100	80			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	30		510	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 11 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	5	6	6	5	7	8	5	9			
Wind Dir. (From)					S	S	SW	SW	SW	SW	SW	SW	W			
Temp. (Deg. C)					12	16	17	19	20	21	21	21	21			
Humidity					63	52	57	48	41	51	51	54	59			
Bar. Pressure					30.25	30.25	30.25	30.24	30.24	30.23	30.22	30.21	30.21			
Cloud Cover					60	50	30	50	40	20	20	40	30			
Visibility					4	4	5	5	5	5	5	5	5			
Precipitation					1	1	0	0	0	0	0	0	0			
Flight Direction								S		SE						
Height of Flight								3		2						
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	30		510	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged								2		1					3	BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL								2		1					3	TH

Comments

2 TVs were local

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 9 DAY 12 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					9	8	7	13	12	13	8	12	8			
Wind Dir. (From)					SE	S	SW	SW	SW	SW	SW	SW	W			
Temp. (Deg. C)					15	19	23	24	26	26	26	27	21			
Humidity					76	65	52	47	43	44	44	38	49			
Bar. Pressure					30.29	30.30	30.29	30.29	30.27	30.26	30.25	30.23	30.23			
Cloud Cover					20	10	10	10	10	20	10	10	10			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction									S							
Height of Flight									3							
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	30		510	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged									4						4	BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk									2						2	RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL									6						6	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 13 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7			Comments
Wind Speed					7	5	3	8	10	5	7	10	8				
Wind Dir. (From)					S	S	S	SW	W	W	W	W	SW				
Temp. (Deg. C)					18	21	24	26	27	27	27	27	27				
Humidity					76	68	60	48	45	46	46	45	47				
Bar. Pressure					30.29	30.30	30.29	30.29	30.28	30.27	30.25	30.24	30.24				
Cloud Cover					20	20	10	10	10	10	20	10	20				
Visibility					5	5	5	5	5	5	3	5	3				
Precipitation					0	0	0	0	0	0	1	0	1				
Flight Direction									SW								
Height of Flight									4								
No. of Observers					1	1	1	1	1	1	1	1	1		Total		
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	30		510		
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered									1						1	RS	
Broad-winged									2						2	BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL									3						3	TH	

Comments: Use back of form, Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 9 DAY 14 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					10	9	8	5	6	8	6	5	5			
Wind Dir. (From)					SE	SE	SE	SW	W	SW	SW	SW	S			
Temp. (Deg. C)					18	21	24	26	26	26	26	25	25			
Humidity					84	75	67	58	58	58	57	60	60			
Bar. Pressure					30.15	30.14	30.13	30.12	30.10	30.08	30.06	30.03	30.01			
Cloud Cover					30	30	40	40	60	60	70	80	90			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	Comments
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	30		510	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 1 DAY 17 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					8	9	10	9	8	12	7	6	2			
Wind Dir. (From)					SW	SW	SW	W	W	W	W	W	W			
Temp. (Deg. C)					18	20	21	22	23	24	24	24	23			
Humidity					88	77	71	66	62	55	57	52	53			
Bar. Pressure					30.02	30.02	30.03	30.02	30.00	29.99	29.97	29.95	29.94			
Cloud Cover					20	30	20	20	20	30	20	20	20			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction								S	SE							
Height of Flight								4	3							
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	30		510	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered								2	1						3 RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL								2	1						3 TH	

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 9 DAY 19 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	3	3	6	6	9	8	8	3			
Wind Dir. (From)					W	W	NW	NW	NW	W	W	W	W			
Temp. (Deg. C)					8	10	11	12	14	17	14	14	13			
Humidity					84	75	68	55	54	47	52	56	60			
Bar. Pressure					30.01	30.03	30.06	30.08	30.08	30.09	30.11	30.12	30.13			
Cloud Cover					20	20	20	20	40	40	50	30	70			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	30		510	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold MO 9 DAY 20 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total	Comments
Wind Speed					10	13	10	12	15	13	12	16	13			
Wind Dir. (From)					Se	Se	Se	Se	S	S	S	S	S			
Temp. (Deg. C)					9	13	16	17	19	19	20	21	20			
Humidity					74	64	56	48	45	45	45	43	44			
Bar. Pressure					30.15	30.14	30.11	30.08	30.06	30.05	30.03	30.02	30.01			
Cloud Cover					20	20	20	40	30	50	30	40	20			
Visibility					5	5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0	0			
Flight Direction						SE										
Height of Flight						3										
No. of Observers					1	1	1	1	1	1	1	1	1			
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	30		510	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk						1									1	RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL						1									1	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 21 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					14	13	12	10	7	7	12	12	4			
Wind Dir. (From)					SE	SE	SE	SE	S	S	SW	SW	SW			
Temp. (Deg. C)					13	14	14	16	17	18	19	19	19			
Humidity					96	95	91	89	88	80	72	74	80			
Bar. Pressure					29.96	29.97	29.96	29.95	29.95	29.93	29.91	29.91	29.92			
Cloud Cover					40	80	60	80	50	50	90	90	100			
Visibility					5	5	5	5	5	5	5	4	4			
Precipitation					0	0	0	0	0	0	0	0	2			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	30		510	

Comments

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 22 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		Comments
Wind Speed					16	12	5	5	9	6	9	8	5			
Wind Dir. (From)					SE	W	SW	SW	S	SW	W	SW	SW			
Temp. (Deg. C)					17	16	14	14	16	18	18	16	15			
Humidity					88	100	100	100	97	87	82	85	97			
Bar. Pressure					29.66	29.72	29.74	29.74	29.74	29.73	29.74	29.76	29.77			
Cloud Cover					80	100	100	100	80	80	80	100	100			
Visibility					5	3	3	3	4	4	5	5	5			
Precipitation					0	3	3	3	0	0	0	0	0			
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1	1		Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60	30		510	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 24 YR 2012

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					5	8	10	15	12	14	9	3				
Wind Dir. (From)					SW	SW	SW	SW	SW	SW	W	W				
Temp. (Deg. C)					9	12	13	13	13	13	11	10				
Humidity					85	75	72	68	66	84	94	63				
Bar. Pressure					30.11	30.11	30.11	30.11	30.10	30.07	30.07	30.04				
Cloud Cover					40	20	60	50	50	60	100	100				
Visibility					5	5	5	5	5	5	3	3				
Precipitation					0	0	0	0	0	0	3	3				
Flight Direction						SW				S						
Height of Flight						4				3						
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	
Black Vulture																BV
Turkey Vulture										2					2	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk						2									2	RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL						2				2					4	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 9 DAY 26 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					12	9	12	9	13	9	9	9				
Wind Dir. (From)					SW	SW	SW	SW	SW	SW	SW	W				
Temp. (Deg. C)					15	16	17	17	18	19	18	18				
Humidity					92	90	85	85	80	78	82	84				
Bar. Pressure					29.95	29.96	29.96	29.96	29.95	29.93	29.95	29.94				
Cloud Cover					100	100	100	80	80	60	80	80				
Visibility					5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 27 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7			Comments
Wind Speed					5	5	3	3	5	7	6	7					
Wind Dir. (From)					ne	ne	ne	ne	n	n	n	ne					
Temp. (Deg. C)					11	11	13	14	13	16	14	15					
Humidity					89	80	66	58	62	51	55	51					
Bar. Pressure					30.25	30.26	30.26	30.26	30.26	30.23	30.22	30.21					
Cloud Cover					10	10	10	30	50	60	50	40					
Visibility					5	5	5	5	5	5	5	5					
Precipitation					0	0	0	0	0	0	0	0					
Flight Direction							SE	S									
Height of Flight							4	4									
No. of Observers					1	1	1	1	1	1	1	1			Total		
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480		
Black Vulture																BV	
Turkey Vulture							1								1	TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk							1	1							2	RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL							2	1							3	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 9 DAY 28 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					6	6	3	5	8	9	6	2				
Wind Dir. (From)					SE	SE	E	SE	SE	E	SE	SE				
Temp. (Deg. C)					9	12	13	15	16	15	14	14				
Humidity					86	76	73	71	72	76	80	80				
Bar. Pressure					30.11	30.12	30.10	30.08	30.07	30.05	30.03	30.03				
Cloud Cover					40	60	100	80	100	100	100	100				
Visibility					5	5	5	5	5	5	3	2				
Precipitation					0	0	0	0	0	0	2	2				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 9 DAY 29 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					7	8	5	8	9	9	3	7				
Wind Dir. (From)					ne	ne	ne	ne	ne	e	e	n				
Temp. (Deg. C)					9	9	11	13	14	15	14	14				
Humidity					100	100	100	80	71	71	74	69				
Bar. Pressure					30.02	30.02	30.02	30.00	29.99	29.96	29.95	29.94				
Cloud Cover					100	100	100	70	80	80	80	60				
Visibility					1	1	3	5	5	5	5	5				
Precipitation					1	1	0	0	0	0	0	0				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	Comments
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY | | |

OBSERVER(S) M. Arnold MO 10 DAY 01 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					7	8	12	12	10	10	12	9				
Wind Dir. (From)					W	W	W	W	W	W	W	W				
Temp. (Deg. C)					12	12	16	17	18	18	19	19				
Humidity					100	96	78	73	70	67	64	72				
Bar. Pressure					29.74	29.75	29.76	29.76	29.78	29.78	29.79	29.81				
Cloud Cover					100	100	60	100	100	50	30	20				
Visibility					5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	

Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 10 DAY 2 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					10	9	8	9	7	6	7	5				
Wind Dir. (From)					S	SE	SE	SE	SE	E	SE	SE				
Temp. (Deg. C)					13	13	15	14	13	14	14	15				
Humidity					88	96	85	87	100	100	100	100				
Bar. Pressure					29.96	29.96	29.96	29.96	29.96	29.94	29.95	29.94				
Cloud Cover					80	80	100	100	100	100	100	100				
Visibility					5	5	5	5	2	2	2	2				
Precipitation					0	0	0	0	3	3	3	3				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 4 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total	
Wind Speed					5	5	5	7	6	6	6	9				
Wind Dir. (From)					SW	W	SW	SW	W	SW	W	SW				
Temp. (Deg. C)					17	17	17	17	18	19	19	21				
Humidity					100	96	91	89	79	68	63	53				
Bar. Pressure					30.12	30.12	30.10	30.11	30.10	30.08	30.07	30.05				
Cloud Cover					60	100	50	50	40	40	30	30				
Visibility					5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Amelk

MO 10 DAY 5 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					9	12	10	9	8	8	10	12				
Wind Dir. (From)					SW	SW	SW	SW	SW	SW	SW	SW				
Temp. (Deg. C)					16	15	16	18	19	19	19	19				
Humidity					73	90	94	88	80	75	78	83				
Bar. Pressure					29.97	29.98	29.97	29.95	29.94	29.92	29.91	29.90				
Cloud Cover					80	100	100	100	80	80	100	100				
Visibility					5	2	2	2	3	3	3	3				
Precipitation					0	3	3	3	1	1	1	1				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
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Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
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Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 6 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					5	6	3	6	6	7	15	14				
Wind Dir. (From)					W	W	W	SW	SW	W	W	W				
Temp. (Deg. C)					8	8	9	9	9	11	13	12				
Humidity					100	100	100	100	99	84	68	63				
Bar. Pressure					29.80	29.81	29.81	29.81	29.81	29.81	29.80	29.82				
Cloud Cover					100	100	100	100	100	100	80	80				
Visibility					2	2	2	2	3	4	5	5				
Precipitation					3	3	1	1	1	0	0	0				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
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Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 10 DAY 08 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	3	3	5	7	8	7	3				
Wind Dir. (From)					SW	SW	S	SW	S	W	W	N				
Temp. (Deg. C)					7	9	9	11	11	12	11	12				
Humidity					89	67	71	67	56	55	60	53				
Bar. Pressure					30.20	30.22	30.22	30.22	30.22	30.21	30.21	30.21				
Cloud Cover					20	20	30	60	60	50	60	50				
Visibility					5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0				
Flight Direction							S	SE								
Height of Flight							2	3								
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk							1	2							3	RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL							1	2							3	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 10 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Comments
Wind Speed					18	16	14	20	13	16	9	9			
Wind Dir. (From)					S	S	SW	SW	SW	W	W	W			
Temp. (Deg. C)					13	13	14	14	13	9	9	9			
Humidity					82	75	70	61	69	100	95	93			
Bar. Pressure					29.84	29.80	29.77	29.71	29.72	29.76	29.77	29.79			
Cloud Cover					60	60	50	30	80	100	100	100			
Visibility					5	5	5	5	5	3	3	3			
Precipitation					0	0	0	0	0	2	2	2			
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1	1	1			Total
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			490

Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen NY

OBSERVER(S) M. Arnold

MO 10 DAY 11 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					5	12	13	9	10	9	15	9				
Wind Dir. (From)					W	W	W	W	W	W	W	SW				
Temp. (Deg. C)					6	7	8	8	8	8	9	7				
Humidity					96	79	63	58	62	66	58	81				
Bar. Pressure					30.07	30.09	30.10	30.08	30.07	30.07	30.06	30.06				
Cloud Cover					50	80	50	60	70	70	80	100				
Visibility					5	5	5	5	5	5	5	2				
Precipitation					0	0	0	0	0	0	0	3				
Flight Direction						SE										
Height of Flight						3										
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	
Black Vulture																BV
Turkey Vulture						1									1	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL						1									1	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 10 DAY 12 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					10	8	7	10	12	13	10	12				
Wind Dir. (From)					n	n	n	n	n	n	n	nw				
Temp. (Deg. C)					4	3	4	6	7	6	7	7				
Humidity					87	83	75	63	51	50	44	44				
Bar. Pressure					30.17	30.20	30.23	30.24	30.25	30.27	30.29	30.30				
Cloud Cover					80	100	80	80	60	80	100	80				
Visibility					5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	Comments
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 13 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total
Wind Speed					5	6	8	3	9	6	7	7			
Wind Dir. (From)					SE	S	SW	SW	W	W	W	SW			
Temp. (Deg. C)					0	4	8	9	10	8	10	9			
Humidity					85	71	50	46	47	51	47	42			
Bar. Pressure					30.42	30.42	30.41	30.39	30.36	30.33	30.31	30.28			
Cloud Cover					40	50	50	100	80	80	60	100			
Visibility					5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0			
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1	1	1			
Dur. of Obs. (min)					60	60	60	60	60	60	60	60			480

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 15 YR 2012

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					20	13	9	12	14	13	18	6			
Wind Dir. (From)					W	SW	W	W	W	W	W	W			
Temp. (Deg. C)					18	13	13	14	15	14	13	11			
Humidity					74	100	100	88	80	82	80	99			
Bar. Pressure					29.56	29.59	29.61	29.62	29.61	29.61	29.62	29.63			
Cloud Cover					100	100	100	100	80	80	100	100			
Visibility					4	2	4	5	5	5	5	5			
Precipitation					0	3	2	0	0	0	0	0			
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1	1	1			Total
Dur. of Obs. (min)					60	60	60	60	60	60	60	30			450

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
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Short-tailed Hawk																ST
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Ferruginous Hawk																FH
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Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 17 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Comments
Wind Speed					8	9	6	6	6	3	3	3			
Wind Dir. (From)					se	se	se	se	se	s	ne	sw			
Temp. (Deg: C)					4	7	11	13	14	16	17	17			
Humidity					94	83	74	66	60	52	50	45			
Bar. Pressure					29.93	29.93	29.94	29.91	29.88	29.86	29.85	29.85			
Cloud Cover					20	20	20	20	20	40	60	100			
Visibility					5	5	5	5	5	5	5	3			
Precipitation					0	0	0	0	0	0	0	1			
Flight Direction								SE							
Height of Flight								4							
No. of Observers					1	1	1	1	1	1	1	1			Total
Dur. of Obs. (min)					60	60	60	60	60	60	60	30			450

Black Vulture																BV
Turkey Vulture								6							6	TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL								6							76	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 18 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					15	18	15	18	18	20	16	18				
Wind Dir. (From)					SE	S	SE	SE	SE	SE	S	S				
Temp. (Deg. C)					11	13	16	18	19	19	19	19				
Humidity					73	70	65	59	52	55	54	51				
Bar. Pressure					29.88	29.87	29.88	29.86	29.85	29.81	29.81	29.81				
Cloud Cover					20	20	30	20	20	40	20	20				
Visibility					5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	30			450	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 19 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					10	8	6	7	7	9	6	5				
Wind Dir. (From)					S	S	SE	E	E	SE	E	S				
Temp. (Deg. C)					11	12	13	14	14	13	14	15				
Humidity					100	100	100	100	100	100	100	94				
Bar. Pressure					29.79	29.81	29.81	29.77	29.77	29.71	29.71	29.71				
Cloud Cover					100	100	100	100	100	100	100	80				
Visibility					3	2	2	2	2	2	2	4				
Precipitation					1	3	3	4	4	3	3	1				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	Comments
Dur. of Obs. (min)					60	60	60	60	60	60	60	30			450	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
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Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 20 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		Comments
Wind Speed					8	10	9	8	13	9	12	8				
Wind Dir. (From)					W	W	W	SW	W	W	SW	SW				
Temp. (Deg. C)					13	12	13	12	13	12	13	13				
Humidity					89	87	81	83	68	68	63	65				
Bar. Pressure					29.66	29.66	29.66	29.68	29.66	29.66	29.65	29.66				
Cloud Cover					80	100	100	100	100	100	60	80				
Visibility					5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	30			450	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
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Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 10 DAY 22 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		Comments
Wind Speed					5	8	7	8	12	13	12	9				
Wind Dir. (From)					W	W	W	W	W	W	W	W				
Temp. (Deg. C)					9	11	13	14	14	15	13	13				
Humidity					95	86	78	70	68	66	76	74				
Bar. Pressure					30.06	30.06	30.05	30.05	30.05	30.04	30.05	30.05				
Cloud Cover					20	40	20	60	50	70	80	80				
Visibility					5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0				
Flight Direction							E									
Height of Flight							3									
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	30			450	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk							1								1	RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL							1								1	TH

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 10 DAY 23 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	3	5	7	8	9	7	8				
Wind Dir. (From)					se	e	e	ne	n	n	n	ne				
Temp. (Deg. C)					6	8	11	11	12	12	12	11				
Humidity					100	99	85	80	75	74	76	77				
Bar. Pressure					30.13	30.13	30.12	30.12	30.10	30.09	30.08	30.08				
Cloud Cover					100	70	50	60	80	100	100	100				
Visibility					5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	30			450	

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

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Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 24 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					7	7	7	10	10	8	9	7				
Wind Dir. (From)					ne	e	se	se	se	se	s	se				
Temp. (Deg. C)					8	10	12	13	14	15	14	14				
Humidity					83	74	63	63	66	66	69	75				
Bar. Pressure					30.16	30.14	30.13	30.12	30.10	30.09	30.09	30.08				
Cloud Cover					100	100	100	100	100	100	100	100				
Visibility					5	5	5	5	5	3	3	3				
Precipitation					0	0	0	0	0	1	1	1				
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1	1			Total	450
Dur. of Obs. (min)					60	60	60	60	60	60	60	30			450	

Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments

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Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 25 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					15	13	12	14	9	9	9	9			
Wind Dir. (From)					SE	SE	SE	SE	SE	SE	S	SW			
Temp. (Deg. C)					13	15	17	19	21	23	24	23			
Humidity					92	84	77	73	68	64	61	51			
Bar. Pressure					30.13	30.12	30.12	30.11	30.09	30.08	30.06	30.06			
Cloud Cover					60	40	40	50	30	20	20	20			
Visibility					5	5	5	5	5	5	5	5			
Precipitation					0	0	0	0	0	0	0	0			
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1	1	1			Total
Dur. of Obs. (min)					60	60	60	60	60	60	60	30			450

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

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Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 10 DAY 26 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					16	20	14	13	12	7	7	7				
Wind Dir. (From)					SE	SE	SE	SE	SE	SE	SW	SE				
Temp. (Deg. C)					14	16	18	20	22	23	23	22				
Humidity					90	84	78	71	66	56	56	65				
Bar. Pressure					30.09	30.08	30.09	30.08	30.07	30.06	30.05	30.04				
Cloud Cover					20	20	10	20	20	30	10	20				
Visibility					5	5	5	5	5	5	5	5				
Precipitation					0	0	0	0	0	0	0	0				
Flight Direction						SW		E								
Height of Flight						3		4								
No. of Observers					1	1	1	1	1	1	1	1			Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60	30			450	

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk						1		1							2	RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL						1		1							2	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 29 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					15	16	20	20	17	18	23					
Wind Dir. (From)					NE	NE	NE	NE	NE	NE	NE					
Temp. (Deg. C)					8	8	8	9	10	11	12					
Humidity					93	82	77	74	68	62	64					
Bar. Pressure					29.76	29.75	29.72	29.69	29.69	29.61	29.55					
Cloud Cover					100	100	100	100	100	100	100					
Visibility					4	4	4	4	4	4	4					
Precipitation					0	0	0	0	0	0	0					
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1				Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60				420	

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 10 DAY 30 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					37	36	38	32	34	40	38					
Wind Dir. (From)					e	e	e	e	e	e	e					
Temp. (Deg. C)					5	5	5	5	6	6	6					
Humidity					100	98	97	100	99	98	100					
Bar. Pressure					29.27	29.25	29.24	29.24	29.22	29.22	29.22					
Cloud Cover					100	100	100	100	100	100	100					
Visibility					2	2	2	2	2	2	2					
Precipitation					4	3	3	3	4	4	3					
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1				Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60				420	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 10 DAY 31 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	5	3	6	8	7	3					
Wind Dir. (From)					SW	SW	SW	SW	SW	S	S					
Temp. (Deg. C)					6	6	7	7	7	7	8					
Humidity					99	91	87	74	75	76	67					
Bar. Pressure					29.43	29.43	29.43	29.43	29.43	29.43	29.42					
Cloud Cover					100	100	100	100	100	100	100					
Visibility					4	4	4	4	4	4	4					
Precipitation					3	0	0	0	2	0	2					
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1				Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60				420	

Comments

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															TH	

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 11 DAY 01 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					10	15	9	15	10	12	12					
Wind Dir. (From)					S	SW	SW	SW	SW	W	W					
Temp. (Deg. C)					6	7	7	7	6	6	6					
Humidity					98	93	95	95	91	90	89					
Bar. Pressure					29.39	29.40	29.41	29.41	29.42	29.43	29.43					
Cloud Cover					100	100	100	100	100	100	100					
Visibility					4	2	2	2	2	2	2					
Precipitation					0	2	1	3	3	3	3					
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1	1				Total	
Dur. of Obs. (min)					60	60	60	60	60	60	60				420	

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
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Swainson's Hawk																SW
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Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 11 DAY 2 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	
Wind Speed					5	8	5	8	8	6	5				
Wind Dir. (From)					W	W	NW	W	W	NW	NW				
Temp. (Deg. C)					2	3	3	3	3	3	3				
Humidity					92	85	79	79	82	89	91				
Bar. Pressure					29.59	29.59	29.61	29.62	29.62	29.62	29.63				
Cloud Cover					100	100	100	100	100	100	100				
Visibility					4	4	4	4	4	4	4				
Precipitation					0	1	1	3	3	2	3				
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1	1				Total
Dur. of Obs. (min)					60	60	60	60	60	60	60				420

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
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Ferruginous Hawk																FH
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Zone-tailed Hawk																ZT
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Rough-legged																RL
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American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
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Crested Caracara																CC
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Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold MO 11 DAY 5 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					10	8	7	8	7	7						
Wind Dir. (From)					ne	ne	ne	n	nw	nw						
Temp. (Deg. C)					-1	0	0	1	1	0						
Humidity					72	67	59	55	50	54						
Bar. Pressure					30.11	30.12	30.12	30.11	30.11	30.10						
Cloud Cover					80	80	100	100	100	100						
Visibility					5	5	5	5	5	5						
Precipitation					0	0	0	0	0	0						
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1					Total	
Dur. of Obs. (min)					60	60	60	60	60	60					360	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
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Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 11 DAY 6 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	6	6	1	1	3						
Wind Dir. (From)					e	se	se	s	s	ne						
Temp. (Deg. C)					-2	-1	1	2	2	3						
Humidity					79	58	44	43	42	40						
Bar. Pressure					30.19	30.20	30.21	30.18	30.17	30.16						
Cloud Cover					40	20	20	20	10	10						
Visibility					5	5	5	5	5	5						
Precipitation					0	0	0	0	0	0						
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1					Total	
Dur. of Obs. (min)					60	60	60	60	60	60					360	

Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
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Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
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Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
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Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL															0 TH	

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Amold

ADDRESS

MO 11 DAY 7 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7			Comments
Wind Speed					5	5	6	9	13	14							
Wind Dir. (From)					ne	e	e	ne	ne	ne							
Temp. (Deg. C)					-5	-3	0	2	2	3							
Humidity					77	67	54	55	49	47							
Bar. Pressure					30.13	30.13	30.13	30.09	30.07	30.05							
Cloud Cover					20	10	10	20	20	30							
Visibility					5	5	5	5	5	5							
Precipitation					0	0	0	0	0	0							
Flight Direction																	
Height of Flight																	
No. of Observers					1	1	1	1	1	1					Total		
Dur. of Obs. (min)					60	60	60	60	60	60					360		
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
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Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 11 DAY 8 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					12	15	10	10	14	10						
Wind Dir. (From)					n	ne	ne	ne	ne	ne						
Temp. (Deg. C)					-2	-1	0	1	2	3						
Humidity					78	72	66	64	62	58						
Bar. Pressure					30.05	30.05	30.05	30.04	30.03	30.01						
Cloud Cover					100	100	80	60	80	40						
Visibility					5	5	5	5	5	5						
Precipitation					0	0	0	0	0	0						
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1					Total	
Dur. of Obs. (min)					60	60	60	60	60	60					360	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
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Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
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Merlin																ML
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Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 11 DAY 09 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					7	7	5	7	6	6						
Wind Dir. (From)					W	W	SW	SW	SW	SW						
Temp. (Deg. C)					2	3	4	5	5	5						
Humidity					64	56	55	50	58	69						
Bar. Pressure					30.10	30.10	30.11	30.09	30.09	30.08						
Cloud Cover					60	60	100	100	100	100						
Visibility					5	5	5	5	5	5						
Precipitation					0	0	0	0	0	0						
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1					Total	
Dur. of Obs. (min)					60	60	60	60	60	60					360	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
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Red-shouldered																RS
Broad-winged																BW
Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
Ferruginous Hawk																FH
White-tailed Hawk																WT
Zone-tailed Hawk																ZT
Harris' Hawk																HH
Rough-legged																RL
Golden Eagle																GE
American Kestrel																AK
Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 11 DAY 12 YR 2012

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total
Wind Speed					18	21	23	24	26	21					
Wind Dir. (From)					S	S	S	S	S	S					
Temp. (Deg. C)					17	19	20	21	21	19					
Humidity					52	48	47	46	50	54					
Bar. Pressure					30.18	30.16	30.15	30.12	30.09	30.07					
Cloud Cover					20	20	40	20	20	30					
Visibility					5	5	5	5	5	5					
Precipitation					0	0	0	0	0	0					
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1					
Dur. of Obs. (min)					60	60	60	60	60	60					360

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 11 DAY 13 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					8	10	8	6	8	9						
Wind Dir. (From)					W	W	W	W	W	W						
Temp. (Deg. C)					3	2	2	3	3	4						
Humidity					64	74	75	66	55	54						
Bar. Pressure					30.31	30.33	30.34	30.33	30.33	30.33						
Cloud Cover					100	100	100	100	100	100						
Visibility					5	2	2	5	5	5						
Precipitation					0	5	5	0	0	0						
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1					Total	
Dur. of Obs. (min)					60	60	60	60	60	60					360	

Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 11 DAY 14 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7			Comments
Wind Speed					3	5	1	3	5	6							
Wind Dir. (From)					SE	SE	SE	S	S	NE							
Temp. (Deg. C)					0	1	3	4	6	5							
Humidity					80	75	59	45	44	41							
Bar. Pressure					30.58	30.59	30.59	30.56	30.53	30.52							
Cloud Cover					20	20	10	20	10	10							
Visibility					5	5	5	5	5	5							
Precipitation					0	0	0	0	0	0							
Flight Direction																	
Height of Flight																	
No. of Observers					1	1	1	1	1	1					Total		
Dur. of Obs. (min)					60	60	60	60	60	60					360		
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
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Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
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Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 11 DAY 15 YR 2012

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					6	2	3	4	3	5						
Wind Dir. (From)					SE	S	S	S	S	S						
Temp. (Deg. C)					-2	-1	2	3	4	5						
Humidity					84	79	70	55	50	50						
Bar. Pressure					30.43	30.43	30.41	30.39	30.37	30.35						
Cloud Cover					20	20	10	10	10	20						
Visibility					5	5	5	5	5	5						
Precipitation					0	0	0	0	0	0						
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1					Total	
Dur. of Obs. (min)					60	60	60	60	60	60					360	

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
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Red-shouldered																RS	
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White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
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Merlin																ML	
Peregrine Falcon																PG	
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Unid. Vulture																UV	
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Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 11 DAY 16 YR 17

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7		
Wind Speed					3	3	5	3	3	5						
Wind Dir. (From)					N	N	N	N	SW	SW						
Temp. (Deg. C)					-1	1	3	6	7	6						
Humidity					88	71	57	50	46	48						
Bar. Pressure					30.39	30.40	30.39	30.37	30.37	30.38						
Cloud Cover					40	30	10	10	20	10						
Visibility					5	5	5	5	5	5						
Precipitation					0	0	0	0	0	0						
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1					Total	
Dur. of Obs. (min)					60	60	60	60	60	60					360	
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
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Red-shouldered																RS
Broad-winged																BW
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Swainson's Hawk																SW
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Harris' Hawk																HH
Rough-legged																RL
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Merlin																ML
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Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen NY

OBSERVER(S) M. Arnold

MO 11 DAY 19 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total
Wind Speed					8	10	7	6	1	5					
Wind Dir. (From)					SE	SE	SE	SE	SE	NE					
Temp. (Deg. C)					1	3	6	8	9	9					
Humidity					74	66	61	56	53	51					
Bar. Pressure					30.45	30.44	30.43	30.40	30.38	30.34					
Cloud Cover					10	10	10	10	20	10					
Visibility					5	5	5	5	5	5					
Precipitation					0	0	0	0	0	0					
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1					
Dur. of Obs. (min)					60	60	60	60	60	60					360

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
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Crested Caracara																CC	
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Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arold

ADDRESS

MO 11 DAY 20 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total
Wind Speed					7	2	1	3	3	2					
Wind Dir. (From)					SE	S	S	E	SE	S					
Temp. (Deg. C)					2	3	5	7	8	9					
Humidity					72	65	57	50	48	46					
Bar. Pressure					30.19	30.20	30.18	30.15	30.13	30.13					
Cloud Cover					80	100	100	100	100	60					
Visibility					5	5	5	5	5	5					
Precipitation					0	0	0	0	0	0					
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1					
Dur. of Obs. (min)					60	60	60	60	60	60					360

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
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Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 11 DAY 21 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total	Comments
Wind Speed					2	3	3	1	1	6						
Wind Dir. (From)					S	S	S	S	S	NW						
Temp. (Deg. C)					2	6	8	10	11	11						
Humidity					89	71	53	37	36	37						
Bar. Pressure					30.23	30.21	30.20	30.19	30.19	30.18						
Cloud Cover					20	10	10	10	20	10						
Visibility					5	5	5	5	5	5						
Precipitation					0	0	0	0	0	0						
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1						
Dur. of Obs. (min)					60	60	60	60	60	60					360	

Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
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Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 11 DAY 27 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total	Comments
Wind Speed					2	5	1	1	3	3						
Wind Dir. (From)					W	W	W	W	SW	SW						
Temp. (Deg. C)					-2	0	0	0	0	-1						
Humidity					99	84	87	82	81	82						
Bar. Pressure					30.23	30.24	30.23	30.23	30.22	30.23						
Cloud Cover					100	100	100	100	100	100						
Visibility					3	2	2	3	2	3						
Precipitation					0	5	5	0	5	0						
Flight Direction																
Height of Flight																
No. of Observers					1	1	1	1	1	1						
Dur. of Obs. (min)					60	60	60	60	60	60					360	

Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
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Red-shouldered																RS
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Short-tailed Hawk																ST
Swainson's Hawk																SW
Red-tailed Hawk																RT
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Merlin																ML
Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arno

ADDRESS

MO 11 DAY 28 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total
Wind Speed					10	9	13	12	12	15					
Wind Dir. (From)					S	SW	SW	SW	SW	SW					
Temp. (Deg. C)					-1	0	1	1	1	0					
Humidity					69	66	68	74	82	84					
Bar. Pressure					30.14	30.14	30.12	30.10	30.08	30.07					
Cloud Cover					100	100	100	100	100	100					
Visibility					4	4	1	1	1	1					
Precipitation					0	0	5	5	5	5					
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1					
Dur. of Obs. (min)					60	60	60	60	60	60					360

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
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Short-tailed Hawk																ST	
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Red-tailed Hawk																RT	
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Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

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HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

MO 11 DAY 29 YR 12

ADDRESS

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total
Wind Speed					6	8	13	13	12	13					
Wind Dir. (From)					S	W	SW	SW	SW	W					
Temp. (Deg. C)					-2	1	2	3	4	4					
Humidity					94	80	79	75	74	71					
Bar. Pressure					30.15	30.16	30.14	30.11	30.09	30.08					
Cloud Cover					100	80	80	80	100	90					
Visibility					5	5	5	5	5	5					
Precipitation					0	0	0	0	0	0					
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1					
Dur. of Obs. (min)					60	60	60	60	60	60					360

																Comments
Black Vulture																BV
Turkey Vulture																TV
Osprey																OS
Swallow-tailed Kite																SK
White-tailed Kite																WK
Mississippi Kite																MK
Hook-billed Kite																HK
Bald Eagle																BE
Northern Harrier																NH
Sharp-shinned																SS
Cooper's Hawk																CH
Northern Goshawk																NG
Red-shouldered																RS
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Short-tailed Hawk																ST
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Peregrine Falcon																PG
Gyrfalcon																GY
Prairie Falcon																PR
Crested Caracara																CC
Unid. Vulture																UV
Unid. Accipiter																UA
Unid. Buteo																UB
Unid. Eagle																UE
Unid. Falcon																UF
Unid. Raptor																UU
Other (From Back)																OO
TOTAL															0	TH

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 11 DAY 30 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total
Wind Speed					12	12	10	14	9	13					
Wind Dir. (From)					ne	ne	ne	ne	ne	ne					
Temp. (Deg. C)					-11	-11	-9	-9	-9	-9					
Humidity					79	78	74	71	68	69					
Bar. Pressure					30.47	30.48	30.48	30.45	30.45	30.44					
Cloud Cover					100	100	100	100	100	100					
Visibility					5	5	5	5	5	5					
Precipitation					0	0	0	0	0	0					
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1					
Dur. of Obs. (min)					60	60	60	60	60	60					360

																	Comments
Black Vulture																BV	
Turkey Vulture																TV	
Osprey																OS	
Swallow-tailed Kite																SK	
White-tailed Kite																WK	
Mississippi Kite																MK	
Hook-billed Kite																HK	
Bald Eagle																BE	
Northern Harrier																NH	
Sharp-shinned																SS	
Cooper's Hawk																CH	
Northern Goshawk																NG	
Red-shouldered																RS	
Broad-winged																BW	
Short-tailed Hawk																ST	
Swainson's Hawk																SW	
Red-tailed Hawk																RT	
Ferruginous Hawk																FH	
White-tailed Hawk																WT	
Zone-tailed Hawk																ZT	
Harris' Hawk																HH	
Rough-legged																RL	
Golden Eagle																GE	
American Kestrel																AK	
Merlin																ML	
Peregrine Falcon																PG	
Gyrfalcon																GY	
Prairie Falcon																PR	
Crested Caracara																CC	
Unid. Vulture																UV	
Unid. Accipiter																UA	
Unid. Buteo																UB	
Unid. Eagle																UE	
Unid. Falcon																UF	
Unid. Raptor																UU	
Other (From Back)																OO	
TOTAL															0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

HAWK MIGRATION ASSOCIATION OF NORTH AMERICA

HMANA DAILY REPORT FORM

LOCATION Copenhagen, NY

OBSERVER(S) M. Arnold

ADDRESS

MO 12 DAY 01 YR 12

TIME (STD)	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	Total
Wind Speed					9	10	15	12	10	14					
Wind Dir. (From)					SE	SE	SE	SE	SE	SE					
Temp. (Deg. C)					-4	-1	1	2	2	2					
Humidity					87	81	78	75	77	78					
Bar. Pressure					30.40	30.41	30.37	30.34	30.34	30.33					
Cloud Cover					60	100	50	70	80	100					
Visibility					5	5	5	5	5	5					
Precipitation					0	0	0	0	0	0					
Flight Direction															
Height of Flight															
No. of Observers					1	1	1	1	1	1					
Dur. of Obs. (min)					60	60	60	60	60	60					360

																Comments
Black Vulture															BV	
Turkey Vulture															TV	
Osprey															OS	
Swallow-tailed Kite															SK	
White-tailed Kite															WK	
Mississippi Kite															MK	
Hook-billed Kite															HK	
Bald Eagle															BE	
Northern Harrier															NH	
Sharp-shinned															SS	
Cooper's Hawk															CH	
Northern Goshawk															NG	
Red-shouldered															RS	
Broad-winged															BW	
Short-tailed Hawk															ST	
Swainson's Hawk															SW	
Red-tailed Hawk															RT	
Ferruginous Hawk															FH	
White-tailed Hawk															WT	
Zone-tailed Hawk															ZT	
Harris' Hawk															HH	
Rough-legged															RL	
Golden Eagle															GE	
American Kestrel															AK	
Merlin															ML	
Peregrine Falcon															PG	
Gyrfalcon															GY	
Prairie Falcon															PR	
Crested Caracara															CC	
Unid. Vulture															UV	
Unid. Accipiter															UA	
Unid. Buteo															UB	
Unid. Eagle															UE	
Unid. Falcon															UF	
Unid. Raptor															UU	
Other (From Back)															OO	
TOTAL														0	TH	

Comments: Use back of form. Rarities: List species, hour number and description on back of form.

Rev: 03/98 LEK

Appendix C: Flight Information Worksheet

Sanders Environmental, Inc.

Project: Copenhagen

Fall or Spring Pre or Post

Date: 5 MAR 12

Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
940	NOHA	1	U A J Br		P G S K St	L M H	D I S H P	M L	
955	TUVU	1	U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Page # 1 of 1

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 6 Mar 12

Project: Copenhagen raptors Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1203	TuVu	1	U A J Br		P G S K St	L M H	D I S H P	M L	obs. at limit of range. Id'd by silouhette and flight pattern
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 7 Mar 12

Project: Copenhagen raptors Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1347	MERL	1	U A J Br		P G S K St	L M H	D I S H P	M L	♀, Taiga ssp.
1411	RLHA	1	U A J Br		P G S K St	L M H	D I S H P	M L	♀ by plumage; P→G→P→K→G→P→S→ mobbed by AMCR
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Page # 1 of 1

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 8 Mar 12

Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
			U A J Br		P G S K St	L M H	D I S H P	M L	Survey stopped ~ 1100 due to heavy rain
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 12 May 12
Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1516	RTHA	1	U A J Br		P G S K St	L M H	D I S H P	M L	Local by behavior, mobbed by AMCR
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 13 March 12

Project: Copenhagen raptors Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0937	AMKE	1	U A J Br		P G S K St	L M H	D I S H P	M L	♀ by plumage.
1020	TUVU	1	U A J Br		P G S K St	L M H	D I S H P	M L	Alt between P + S
1312	RTHA	1	U A J Br		P G S K St	L M H	D I S H P	M L	
1545	RTHA	1	U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 19 March 12
Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1207	Turvu	4	U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 20 March 12

Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1042	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1304	TUVU	1	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1447	TUVU	3	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1508	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1513	RTHA	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	Couldn't infer status by behavior
1531	TUVU	4	U A J Br	A	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 22 March 12

Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1035	RTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	Alt between P→S→P→S
1134	Tuvu	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1201	Tuvu	2	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1424	Tuvu	1	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1439	Tuvu	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1535	RTHA	1	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1540	Tuvu	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1603	Tuvu	3	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 23 Mar 12

Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1217	TUVU	2	U A J Br	4	P G S K St	L M H	D I S H P	M L	
1334	RTHA	1	U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 3/26/12

Project: Copenhagen raptors Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0957	TUVU	1	U A J Br	CBA	P G S K St	L M H	D I S H P	M L	C → B → A
1148	TUVU	1	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1455	TUVU	1	U A J Br	B → C	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 27 Mar 12

Project: Copenhagen raptors Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0942	TUVU	1	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1002	RTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	P→G→P→S
1020	AMKE	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	♀ by plumage. Alt between P→G→P→G
1055	TUVU	3	U A J Br	B	P G S K St	L M H	D I S H P	M L	Indivs not in kettle
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 28 Mar 12
Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1104	TuVu	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	Alt. between P→G
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 30 Mar 12

Project: Copenhagen raptors Observer: Conan Goord

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1034	TURU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1351	TURU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 3 Apr 12

Project: Copenhagen raptors Observer: Conan Goard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1219	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 4 Apr 12

Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1057	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1233	AMKE	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	♀ by plumage
1318	TUVU	1	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1325	RTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	by speed and direction
1411	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 5 Apr 12

Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1035	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	Being mobbed by AMCR
1040	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 6 April 12

Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1137	TuVu	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1217	RTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1414	TuVu	2	U A J Br	C	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 7 Apr 12

Project: Copenhagen raptors Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0908	RTHA	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1014	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1027	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1303	RTHA	2	U A J Br	C	P G S K St	L M H	D I S H P	M L	M by height, direction and speed of travel
1325	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1352	TUVU	2	U A J Br	B→A	P G S K St	L M H	D I S H P	M L	
1407	TUVU	2	U A J Br	A	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 11 Apr 12

Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1045	TUVU	1	U A J Br	BA	P G S K St	L M H	D I S H P	M L	Alt between P→G→P...
1320	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1409	TUVU	4	U A J Br	B	P G S K St	L M H	D I S H P	M L	Indivs in loose kettle
1430	TUVU	1	U A J Br	AB	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 12 Apr 12

Project: Copenhagen raptors Observer: Conan Guzard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0923	TuVu	1	U (A) J Br	B	P G (S) K St	(L) M H	D (I) S H P	(M) L	
1134	TuVu	2	U (A) J Br	B→C	P G (S) K St	L (M) H	D (I) S H P	(M) L	
1137	TuVu	3	(U) A J Br	C	P G (S) K St	L (M) H	D (I) S H P	(M) L	At limit of scope, ID by shape + flight pattern
1303	TuVu	3	(U) A J Br	B	(P) G (S) K St	(L) M H	(D) I S H P	(M) L	
1311	TuVu	1	U (A) J Br	A	P G (S) K St	L (M) H	D (I) S H P	(M) L	
1334	TuVu	1	U (A) J Br	A	P G (S) K St	L (M) H	D (I) S H P	(M) L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 13 Apr 12

Project: Copenhagen raptors Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1234	TUVU	1	U (A) J Br	B	P G (S) K St	(L) M H	D (I) S H P	(M) L	
1247	RTHA	1	U (A) J Br	B	(P) G (S) K St	L (M) H	D (I) S H P	M (L)	Mostly soaring with some powered flight
1411	TUVU	4	(U) A J Br	A	P G (S) K St	L M (H)	D (I) S H P	(M) L	
1531	TUVU	2	U (A) J Br	B	P G (S) K St	(L) M H	D (I) S H P	(M) L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 14 Apr 12

Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1016	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1137	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1218	TUVU	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1223	Unknown	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	Very distant, mobbed by AMCR, could only tell it's a Buteo
1243	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1308	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1513	BTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1520	TUVU	3	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 16 Apr 12

Project: Copenhagen raptors Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1045	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1232	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	Alt between P→S
1252	NOHA	1	U A J Br	B→A	P G S K St	L M H	D I S H P	M L	♂ by plumage
1555	TUVU	3	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 17 Apr 12

Project: Copenhagen raptors Observer: C. GUARD

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0957	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1105	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1345	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1405	TUVU	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 18 Apr 12

Project: Copenhagen raptors Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1450	Turu	02	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 19 Apr 12

Observer: C. GUARD

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
~~[illegible]~~	—	—	U A J Br		P G S K St	L M H	D I S H P	~~[illegible]~~ L	—
1037	RTHA	1	U (A) J Br	B	P G (S) K St	(L) M H	D (I) S (H) P	M (L)	
1417	TUVU	3	U (A) J Br	B	P G (S) K St	L (M) H	D (I) S H P	(M) L	Loose kettle
1540	TUVU	1	U (A) J Br	C	P G (S) K St	L M (H)	D (I) S H P	(M) L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 20 April 12

Project: Copenhagen raptors Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1210	Turu	3	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1333	Turu	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1548	Turu	2	U A J Br	C	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 24 Apr 12

Project: Copenhagen raptors Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1123	TUVU	5	(U) A J Br	B, C	P G (S) K St	L (M) H	D (I) S H P	(M) L	NOT a kettle, too windy and no thermals.
1130	TUVU	1	(U) A J Br	B	P G (S) K St	L (M) H	D (I) S H P	(M) L	
1212	TUVU	2	(U) A J Br	BA	P G (S) K St	(L) M H	D (I) S H P	(M) L	
1302	TUVU	1	U (A) J Br	B	P G (S) K St	(L) M H	D (I) S H P	(M) L	
1517	TUVU	1	U (A) J Br	B	P G (S) K St	(L) M H	D (I) S H P	(M) L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 27 Apr 12

Project: Copenhagen raptors Observer: C. Guaid

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1310	RTHA	1	(U) A J Br	B	P (G) S K St	L M (H)	(D) I S H P	(M) L	Bombed thru high and fast
1334	TUVU	2	(U) A J Br	A	(P) G (S) K St	L (M) H	D (I) S H P	(M) L	Alt between S→P→S→P
1548	TUVU	1	U (A) J Br	B	P G (S) K St	L (M) H	D (I) S H P	(M) L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 1 May 12

Observer: Conan Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1410	Turu	2	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1457	Turu	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 2 May 12

Project: Copenhagen raptors Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0940	TuVu	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	P→S→P→, mobbed by AmCR
1101	TuVu	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1200 [redacted]	TuVu	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1234	TuVu	2	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1341	TuVu	5	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1341	AMKE	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	Presumed adult, see almost every morning
1517	TuVu	4	U A J Br	B	P G S K St	L M H	D I S H P	M L	as I drive into survey point.
1531	RTHA	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	One adult missing P8, have seen in area recently
[redacted]			U A J Br		P G S K St	L M H	D I S H P	M L	
1541	NOHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	♂ by plumage
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 3 May 12

Observer: C. Covard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1251	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1336	RTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1435	TUVU	4	U A J Br	A	P G S K St	L M H	D I S H P	M L	Loose kettle far off
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Fall or Spring/Pre or Post

Date: 4 May 12

Project: Copenhagen raptors

Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1113	TUVU	1	U (A) J Br	B	P G (S) K St	(L) M H	D (I) S H P	(M) L	
1202	RTHA	1	U (A) J Br	B	P G (S) K St	(L) M H	D (I) S (H) P	M (L)	
1333	TUVU	1	U A J Br	A	P G (S) K St	L (M) H	D (I) S H P	(M) L	
1425	TUVU	2	(U) A J Br	A	P G (S) K St	L M (H)	D (I) S H P	(M) L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 5 May 12

Project: Copenhagen raptors Observer: C. GUARD

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1313	TUVU	1	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1341	UKN	1	U A J Br	C	P G S K St	L M H	D I S H P	M L	Definite buteo, at limit of scope but no ID
1420	TUVU	3	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1603	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1628	RTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 7 May 2012

Project: Copenhagen raptors Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0949	TUVU	1	U A J Br	B→A	P G S K St	L M H	D I S H P	M L	
0949	AMKE	1	U A J Br	B→A	P G S K St	L M H	D I S H P	M L	
0952	TUVU	1	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1045	TUVU	1	U A J Br	B↔C	P G S K St	L M H	D I S H P	M L	At limit of scope range
1219	TUVU	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1245	TUVU	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1324	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1351	TUVU	6	U A J Br	A	P G S K St	L M H	D I S H P	M L	kettle
1609	TUVU	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1705	TUVU	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 9 May 12

Observer: C. Goard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0901	TUVU	3	U A J Br	A→B	P G S K St	L M H	D I S H P	M L	Found communal roost nearby, so some must be local.
0940	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1006	TUVU	4	U A J Br	B	P G S K St	L M H	D I S H P	M L	this loose kettle kept on going
1151	TUVU	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1457	TUVU	1	U A J Br	B→A	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Fall or Spring/Pre or Post

Date: 10 May 12

Project: Copenhagen raptors

Observer: C. Ward

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	Survey called due to rain at 1215
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen raptors

Fall or Spring/Pre or Post

Date: 11 May 12
Observer: C. GUAZZO

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1129	TUVU	1	U A J Br	B→A	P G S K St	L M H	D I S H P	M L	
1139	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1805	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen Wind Farm

Fall or Spring/Pre or Post

Date: 15 May 12
Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1114	TuVu	2	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1522	TuVu	3	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1710	TuVu	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen Wind Farm

Fall or Spring/Pre or Post

Date: 16 May 12
Observer: C. GUARD

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1120	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1311	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1401	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1519	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen Wind Farm

Fall or Spring/Pre or Post

Date: 17 May 12
Observer: C. GUARD

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1056	TuVu	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1237	TuVu	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1315	RTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1321	TuVu	~~1~~ 2	U A J Br	C → B	P G S K St	L M H	D I S H P	M L	
1459	TuVu	3	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1600	TuVu	6	U A J Br	A	P G S K St	L M H	D I S H P	M L	Kettle riding a thermal and breaking off NW
~~1619~~	~~TuVu~~	~~#2~~	~~U A J Br~~	~~B~~	~~P G S K St~~	~~L M H~~	~~D I S H P~~	~~M L~~	
1619	TuVu	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 18 May 12

Project: Copenhagen Wind Farm Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1033	TuVu	2	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1044	TuVu	5	U A J Br	A	P G S K St	L M H	D I S H P	M L	kettle not to far above trees. I think a local group
1225	TuVu	1	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1510	RTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen Wind Farm

Fall or Spring/Pre or Post

Date: 21 May 12
Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0931	AMKE	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	Local ♂
0938	TUVU	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1231	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1515	TUVU	2	U A J Br	C	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen Wind Farm

Fall or Spring/Pre or Post

Date: 23 May 12
Observer: C. GOARD

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0935	TUVU	8	U A J Br	A	P G S K St	L M H	D I S H P	M L	
0927	BAEA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	3rd or 4th year bird.
1051	TUVU	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1312	TUVU	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1647	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen Wind Farm

Fall or Spring/Pre or Post

Date: 25 May 12
Observer: C. GUARD

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0904	AMKE	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	Backlit by sun. Probably adult due to time of year
0911	TUVU	3	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1133	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1222	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1448	TUVU	2	U A J Br	C	P G S K St	L M H	D I S H P	M L	
1718	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen Wind Farm

Fall or Spring/Pre or Post

Date: 26 May 12
Observer: C. Guard

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1022	Turu	3	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1117	Turu	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1444	Turu	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1725	Turu	2	U A J Br	A	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 28 May 12

Project: Copenhagen Wind Farm Observer: C. Ward

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0933	TuVu	1	U A J Br	A	P G S K St	L M H	D I S H P	M L	
1220	TuVu	4	U A J Br	A	P G S K St	L M H	D I S H P	M L	Loose kettle soaring very low
1417	TuVu	2	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1552	RTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	Juvenile, no red on tail. Likely a yearling.
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen Wind Farm

Fall or Spring/Pre or Post

Date: 29 May 12
Observer: Conan Goost

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1351	TUVU	4	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen Wind Farm

Fall or Spring/Pre or Post

Date: 30 May 12
Observer: C. GUARD

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
0945	TUVU	3	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1103	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1252	RTHA	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	Juvenile by plumage
1316	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
1537	TUVU	4	U A J Br	C	P G S K St	L M H	D I S H P	M L	small kettle
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc. Fall or Spring/Pre or Post Date: 31 May 12

Project: Copenhagen Wind Farm Observer: C. GUARD

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
1030	TuVu	1	U (A) J Br	B	P G (S) K St	(L) M H	D (I) S H P	M (L)	
1445	TuVu	7[redacted]	U (A) J Br	B	P G (S) K St	(L) M H	D (I) S H P	M (L)	Right overhead. I'm guessing locals from the Reed property.
1618	TuVu	2	(U) A J Br	C	P G (S) K St	(L) M H	D (I) S H P	M (L)	
1733	AMKE	1	U (A) J Br	B	(P) (G) S K St	(L) M H	D (I) S (H) P	M (L)	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen, NY

Fall or Spring / Pre or Post

Date: 8/19/12

Observer: M. Arnold

Time	Species	#	Age	Sector	Flight Mode	Height	Flight Type	Status	Comments
2:17	TUVU	1	U A J Br	B	P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	
			U A J Br		P G S K St	L M H	D I S H P	M L	

Copenhagen, NY
M. Arnold

8/21/12

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
1143	AMKE	1	U (A) J Br	(M) F U	B	(P) G S K St	(L) M H	D I S (H) P	M (L)	Male, hovering, hunting
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen, NY

(Fall) or Spring/(Pre) or Post

Date: 8/24/12

Observer: M. Arnold

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
16:43	RTHA	1	U (A) J Br	M F (U)	B	P G (S) K St	L (M) H	D (I) S H P	M (L)	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen NY

Fall or Spring/Pre or Post

Date: 8/27/12

Observer: M. Arnold

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
10:43	TUVU	1	U A J Br	M F U	A	P G S K St	L M H	D I S H P	M L	
13:19	TUVU	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Copenhagen, NY

8/29/12

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
10:03	RTHA	2	U (A) J Br	(M) (F) U	B	P G (S) (K) St	L (M) H	D I (S) H P	M (L)	A Pair Soaring together
13:36	TUVU	1	U (A) J Br	M F (U)	C	P G (S) K St	L (M) H	D I (S) H P	M (L)	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Copenhagen, NY

9/3/12

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
12:14	BWHA	1	U (A) J Br	M F (U)	B	P (G) S K St	L (M) H	(D) I S H P	(M) L	
12:43	BWHA	1	U (A) J Br	M F (U)	B	P (G) S K St	L (M) H	(D) I S H P	(M) L	
12:56	BWHA	1	U (A) J Br	M F (U)	C	P (G) S K St	L (M) H	(D) I S H P	(M) L	
13:17	BWHA	1	U (A) J Br	M F (U)	B	P (G) S K St	L (M) H	(D) I S H P	(M) L	
13:31	BWHA	1	U (A) J Br	M F (U)	B	P (G) S K St	L (M) H	(D) I S H P	(M) L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	(M) L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenlagh, NY

Fall or Spring/Pre or Post

Date: 9/4/12

Observer: M. Arnold

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
10:41	SSHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Copenhagen, NY

9/5/12

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
11:17	RTHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
13:42	RTHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen, NY

Fall or Spring/Pre or Post

Date: 9/11/12

Observer: M. Amato

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
12:05	BWHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
12:09	BWHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
11:43	BWHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
17:24	TUVU	2	U A J Br	M F U	C	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

9/1/2

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
13:17	BWHA	4	U (A) J Br	(M) F U	B	P G S (K) St	L (M) H	D (I) S H P	(M) L	3 Male, 1 female soared up then headed South
13:17	RTHA	2	U (A) J Br	(M) F U	B	P G S (K) St	L (M) H	D (I) S H P	(M) L	1 Male, 1 female " " " " "
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen, NY

Fall or Spring / Pre or Post

Date: 9/13/12

Observer: M. Arnold

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
13:27	RSHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
13:28	BWHA	2	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Copenhagen, NY

9/17/12

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
12:43	RSHA	2	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
13:03	RSHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen, NY

Fall or Spring, Pre or Post

Date: 9/20/12

Observer: M. Arnold

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
10:21	RTHA	1	U A J Br	M F U	C	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen, NY

Fall or Spring / Pre or Post

Date: 9/24/12

Observer: M. Arolb

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
10:12	RTHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
10:19	RTHA	1	U A J Br	M F U	C	P G S K St	L M H	D I S H P	M L	
14:43	TUVU	2	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Copenhagen, NY

M. Arnold

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
11:23	RTHA	1	U (A) J Br	(M) F U	B	P (G) S K St	L (M) H	(D) I S H P	(M) L	
11:47	TUVU	1	U (A) J Br	M F (U)	B	P G (S) K St	L (M) H	D I (S) H P	(M) L	
12:53	RTHA	1	U A (J) Br	M F (U)	C	P (G) S K St	L (M) H	(D) I S H P	(M) L	Likely male
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen, NY

Fall or Spring / Pre or Post

Date: 10/8/12

Observer: M. Arnold

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
11:43	RTHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
12:03	RTHA	2	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.

Project: Copenhagen, NY

Fall or Spring / Pre or Post

Date: 10/11/12

Observer: M. Arnold

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
10:17	TUVU	1	U A J Br	M F U	C	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen, NY

Fall or Spring/Pre or Post

Date: 10/17/12
Observer: M. Hamelb

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
12:06	TUVU	6	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	Eventually needed (S) after Kettiney 20min
15:43	RTHA	1	U A J Br	M F U	A	P G S K St	L M H	D S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Copenhagen, NY

10/22/12
M. Arnold

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
11:36	RTHA	1	U (A) J Br	M (F) U	B	(P) G S K St	L (M) H	(D) I S H P	(M) L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	

Sanders Environmental, Inc.
Project: Copenhagen, NY

Fall or Spring/Pre or Post

Date: 10/26/12
Observer: M. Arnold

Time	Species	#	Age	Sex	Sector	Flight Mode	Height	Flight Type	Status	Comments
10:13	RTHA	1	U A J Br	M F U	B	P G S K St	L M H	D I S H P	M L	
12:43	RTHA	1	U A J Br	M F U	C	P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	
			U A J Br	M F U		P G S K St	L M H	D I S H P	M L	