Species Status Assessment

Class:	Birds		
Family:	Caprin	nulgidae	
Scientific Name:	Caprin	nulgus vociferus	
Common Name:	Whip-	poor-will	
Species synopsis:			
and Mexican whip-p habitats adjacent to 1980s in the Northes to include only Easte Atlas protocol docur BBS data for the Nev year for 1966-2007. however, whip-poor	oor-will. Nesting clearings. Signific ast primarily, but ern whip-poor-winent this nocturn a York and five action In the northern Newill populations and fragmentatio	occurs in early- to meant declines have be also across the easterall). While neither Bread species well, both djacent states show a New York population are large.	istinct species: Eastern whip-poor-will aid-successional forests and open forested ten noted for whip-poor-will since the tern part of the range (which is now know the eding Bird Survey nor Breeding Bird show significant and notable declines. It combined declining trend of 3.58% per is in Clinton and Jefferson counties, the poorly understood; it may be a mods, increased predation on eggs and the eased road mortality due to paving of directions.
I. Status			
a. Curr	ent and Legal Pr	rotected Status	
i.	Federal	Not Listed	Candidate?No
ii.	New York	Special Concert	n; SGCN
b. Natu	ral Heritage Pro	ogram Rank	
i.	Global	<u>G5</u>	
ii.	New York	<u>S3B</u>	Tracked by NYNHP? Yes
Other Rank:			

Species of Northeast Regional Conservation Concern (Therres 1999)

COSEWIC - Threatened

Status Discussion:

Whip-poor-will are found sparsely across the state but are locally common in a few areas. They are most numerous on eastern Long Island, in northern Jefferson County, Clinton County, and in the Shawangunk Ridge area of southeastern Sullivan County/Ulster County, and rare to absent in western and central New York and in the higher parts of the Adirondacks, Catskills, and Tug Hill region. It is a regular nocturnal migrant. Within the Northeast, densities are highest in the coastal plain from Cape Cod south, and in areas of northern New York and western Maryland (Hunt 2008).

II. Abundance and Distribution Trends

a.	North America
	i. Abundance
	X_decliningincreasingstableunknown
	ii. Distribution:
	X declining increasing stable unknown
	Time frame considered: 1966-2010
b.	Regional
	i. Abundance
	X decliningincreasingstableunknown
	ii. Distribution:
	X_ decliningincreasingstableunknown
	Regional Unit Considered: Severe Decline shown in Eastern BBS Time Frame Considered: 1966-2010

C		Adjacent States and Provinces
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CONNECTICUT	Not Present		No data
i. AbundanceX declining _ii. Distribution:	increasing	stable	unknown
X declining _	increasing	stable	unknown
Time frame considered:Listing Status:			
MASSACHUSETTS	Not Present		No data
ii. Distribution:	increasing increasing		
Time frame considered:	Special Concern (p	roposed)	SGCN? Yes
NEW JERSEY	Not Present		No data
ii. Distribution:	increasing increasing		
Time frame considered: _Listing Status:			

ONTARIO	Not Present	No data
i. AbundanceX decliningii. Distribution:	increasingstable	eunknown
X declining	increasingstable	eunknown
	d: <u>Severe Decline from</u> 1981-85 to Threatened	
PENNSYLVANIA	Not Present	No data
i. AbundanceX decliningii. Distribution:	increasingstable	eunknown
X declining	increasingstable	eunknown
	d: <u>Severe Decline from 1966-2010</u> Not Listed	
QUEBEC	Not Present	No data
i. AbundanceX decliningii. Distribution:	increasingstable	eunknown
X_ declining	increasingstable	eunknown
Time frame considere Listing Status:Th	d: <u>1966-2010</u> reatened nationally, not listed prov	rincially

	VERMONT	Not Presei	nt	No data
	i. Abundance			
	X declining	increasing	stable	unknown
	ii. Distribution:			
	X_declining	increasing	stable	unknown
	Time frame considered Listing Status:		_	
d.	NEW YORK		No d	ata
	i. Abundance			
	X declining	increasing	stable	unknown
	ii. Distribution:			
	$X_$ declining	increasing	stable	unknown
	Time frame considered	· Severe Decline	from 1980-85 to	2000-05

Monitoring in New York.

The Northeast Nightjar Monitoring program began in 2005. The NYS Ornithological Association (NYSOA) coordinated annual surveys in 2007 as part of the larger effort in the Northeast, but discontinued the coordination of annual survey efforts after 2007. This effort was re-initiated in 2013 by the NYSDEC at a reduced scale, with a subset of the original NYSOA routes monitored based on recommendations from the Northeast Nightjar Survey Coordinator.

Trends Discussion:

Because it is largely nocturnal, the whip-poor-will is not well censused by standard monitoring programs.

Though relative abundance on Breeding Bird Survey routes is very low, results are still significant for several areas and trends are declining in most areas. For Eastern BBS routes, long-term trends are -3.4% per year for 1966-2010 and short-term trends are -3.2% per year; both trends are significant. Trends are also declining on BBS routes in New York routes, but relative abundance is very low and caution regarding use of the data is advised. Combined routes in Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Delaware, and Maryland show a significant declining trend of -3.58% per year for 1966-2007.

Data collected in five second-round Breeding Bird Atlases suggest that the number of atlas blocks occupied by the whip-poor-will has declined by roughly 50% in the last twenty years in the following states or provinces: Ontario, New York, Vermont, Pennsylvania, and Maryland (Hunt 2008).

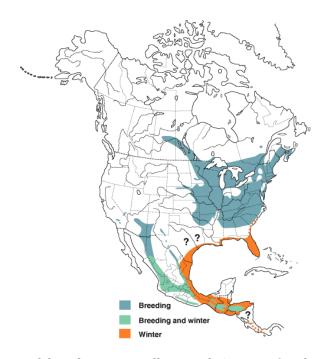


Figure 1. Range of the whip-poor-will in North America (Birds of North America Online 2013).

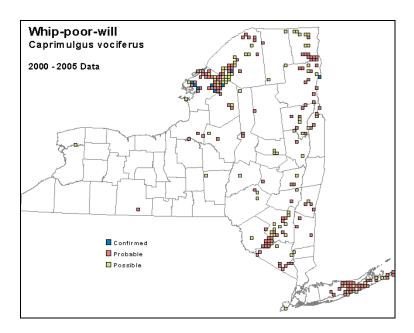


Figure 2. Whip-poor-will occurrence in New York State during the second Breeding Bird Atlas (McGowan and Corwin 2008).

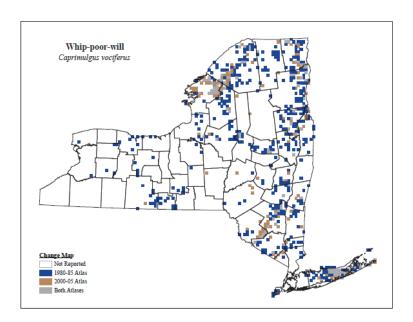


Figure 3. Change in whip-poor-will occurrence in New York State between the first Breeding Bird Atlas and the second Breeding Bird Atlas (McGowan and Corwin 2008).

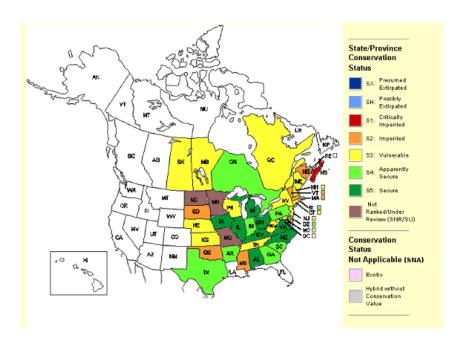


Figure 4. Conservation status of the whip-poor-will in North America (NatureServe 2012).

III.	New York Rarity, if known	:	
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Historic	# of Animals	# of Locations	% of State
prior to 1970			
prior to 1980			
prior to 1990			11%

Details of historic occurrence:

The first Breeding Bird Atlas (1980-85) documented occupancy in 564 survey blocks statewide.

Current	# of Animals	# of Locations	% of State
			5%

Details of current occurrence:

The second Breeding Bird Atlas (2000-05) documented occupancy in 241 blocks statewide, a decline of 57%. The number of blocks with confirmed breeding declined by 50%. Areas that appear to have been lost during the years between the two Atlas projects include virtually all of western New York including the southern Lake Ontario Plain and the southern tier, and northern New York areas peripheral to the Adirondacks.

Surveys conducted in 2007 by NYSOA's monitoring program identified areas of concentration: Connetquot River State Park (Suffolk County), Fort Drum (Jefferson County), Gadway Sandstone Pavement Barrens (Clinton County), Jefferson County Alvar Communities (Jefferson County), Rocky Point NRMA (Suffolk County), and the Shawangunk Ridge (Ulster/Orange/Sullivan County). Preliminary results from NYSDEC's 2013 monitoring confirmed continued concentrations at: Connetquot River State Park, Gadway Sandstone Pavement Barrens, Jefferson County Alvar Communities, Rocky Point NRMA, and the Shawangunk Ridge. The Fort Drum are in Jefferson County was not monitored in 2013.

New York's Contribution to Species North American Range:

% of NA Range in New York	Classification of New York Range
0-5%	<u>X</u> Core
6-10%	Peripheral
<u>X</u> 11-25%	Disjunct
26-50%	Distance to core population:
>50%	

IV.	Primary Habitat or Community Type:		
	1. Oak-Pine Forest		
	2. Oak Forest		
	3. Pine Barrens		
	4. Coastal Coniferous Barrens		
	5. Native Barrens and Savanna		
	6. Mixed Northern Hardwoods		
Habit	at or Community Type Trend in New York:		
	Declining X? Stable	IncreasingUnknown	
	Time frame of decline/increase:		
	Habitat Specialist?	YesX No	
	Indicator Species?	YesX No	

Habitat Discussion:

Whip-poor-wills are present in a variety of habitats but are absent from extensively forested areas. Occupied areas provide both open habitats for aerial foraging and protected areas for nesting and roosting. In New York, whip-poor-will is most abundant in barrens communities (Medler 2008). Lower densities occur where open areas are found adjacent to second-growth forests, such as along power line cuts, quarries, and fields (Medler 2008).

V.	New York Species Demographics and Life History
	X Breeder in New York
	X Summer Resident
	Winter Resident
	Anadromous
	Non-breeder in New York
	Summer Resident
	Winter Resident
	Catadromous
	Migratory only
	Unknown

Species Demographics and Life History Discussion:

Much of the biology of the whip-poor-will remains unstudied, largely due to its nocturnal activity and cryptic behavior and plumage. No information is available on the species' age at first breeding and there are no estimates of lifetime reproductive success. About 60% of 20 pairs in a Kansas population reared two broods/season. This compares with 20% (n = 5 pairs) in an Ontario population (Mills 1985). This difference may be a reflection of the smaller sample size in the Ontario study, but more likely occurs because of shorter breeding season at higher latitudes. One banded male was recaptured 15 years later (Cink 2002).

Most predation is of eggs and young. As a ground-nesting species, this species especially vulnerable to nest predators.

VI. Threats:

Most ornithologists agree that less of the available breeding range of the species is occupied now than previously. Habitat loss to agriculture, closing of forest openings due to growth and succession of trees seem to be causes in some areas. Urbanization, along with resulting increases in predation and loss of feeding habitat, thought to be responsible for loss of this bird in southeastern Pennsylvania (Santner 1992).

Because this species flies low to the ground while foraging along roads, it is vulnerable to road mortality. It has been suggested that the paving of formerly-dirt country roads has increased mortality because vehicles can travel faster on paved roads (Cink 2002).

Untested speculations include decreases in populations of giant silkworm moth (Saturniidae) which was at least formerly an important food resource, industrial pollution, and pesticide use (Eastman 1991). Reasons for population declines should be studied, including the effects of pesticide use for gypsy moth eradication (Cink 2002).

General threats to the early successional forest/shrubland bird suite in New York include reversion of shrublands to forest; loss of small dairy farms; fire suppression; more intensive agriculture that results in loss of hedgerows, shrubs, and shrub wetlands; reversion of young forest habitat to mature forest; inadequate amounts of forest management that includes even aged and heavy partial removal; and the erroneous public percetion that forest management is harmful to birds (NYSDEC 2005).

In an assessment of vulnerability to predicted climate change conducted by the New York Natural Heritage Program, whip-poor-will was identified as a second-priority species whose sensitivity should be assessed in the future (Schlesinger et al. 2011).

Are there regul	latory mech	anisms that pr	otect the spec	ies or its hab	oitat in New	York?
NT.	_	TT1				

____ No ___ Unknown
X Yes

Whip-poor-will is protected under the Migratory Bird Treaty Act of 1918. It is listed as a Species of Special Concern.

Describe knowledge of management/conservation actions that are needed for recovery/conservation, or to eliminate, minimize, or compensate for the identified threats:

Maintain a mosaic of open and mid-successional habitats. A better understanding of characteristics of forest stands utilized may provide information that would facilitate forest management beneficial to whip-poor-will. Conservation actions following IUCN taxonomy are categorized in the table below.

Conservation Actions					
Action Category	Action				
Land/Water Protection	Site/Area Protection				
Land/Water Protection	Resource/Habitat Protection				
Land/Water Management	Site/Area Management				
Land/Water Management	Invasive/Problematic Species Control				
Land/Water Management	Habitat and Natural Process Restoration				
Education and Awareness	Training				
Education and Awareness	Awareness & Communications				
Law and Policy	Policies and Regulations				

The Comprehensive Wildlife Conservation Strategy (NYSDEC 2005) includes recommendations for early-successional forest/shrubland birds, which includes whip-poor-will.

Curriculum development: Educate public to the benefits and need for early successional habitat including even-aged management. **Easement acquisition:** Implement a Landowner Incentive Project for early successional birds that will direct \$600,000 per year at conserving and creating habitat for early successional forest/shrub birds. **Habitat management:** Work with Utilities to manage ROWs in a manner that will provide for maximum benefit to early successional species. Double the amount of early successional forest and shrub habitat on public and private land through sound planned management. Increase early successional management on public and private lands. Maintain, restore, and enhance fire adapted ecosystems. Increase use of prescribed fire in fire adapted ecosystems. Promote management of Utility ROWs that will provide the maximum benefit to shrub bird species. **Habitat monitoring:** Precisely monitor trends of all species, in particular those that are not currently adequately monitored. Complete an inventory and analysis for high priority focus species that identifies core

habitats (highest abundance) and geographic areas (where appropriate).

	Determine effects of viburnam leaf beetle on early successional forest/shrub habitats and
	species utilizing them.
Popul	ation monitoring:
	Encourage full completion of BBS routes.
Statev	vide management plan:
	Develop a management plan that provides guidance on maintaining, enhancing and restoring early successional forest/shrub bird species.
Other	actions:
	Develop better mechanisms for directing federal (NRCS and USFWS) funding programs into early successional forest/shrub habitats.
	Develop BMPs for forest management in riparian areas that recognize the critical need maintain, enhance and restore early successional forest/shrub habitat in these areas.

VII. References

Cink, C.L. 2002. Eastern Whip-poor-will (*Caprimulgus vociferus*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/620doi:10.2173/bna.620

Eastman, J. 1991. Whip-poor-will. Pages 252-253 *in* The atlas of breeding birds of Michigan. (Brewer, R., G. A. McPeek, and R. J. Adams, Jr., Eds.) Michigan State Univ. Press, East Lansing.

Hunt, P.D. 2008. 2008 Northeast Nightjar Survey: 2008 summary and 2007 data analysis. Report to Nuttall Ornithological Club. Audubon Society of New Hampshire, Concord.

Medler, M.D. 2008. Whip-poor-will, Caprimulgus vociferous. Pages 310-11 in The second atlas of breeding birds in New York State (K.J. McGowan and K. Corwin, eds.). Cornell University Press, Ithaca, NY.

Mills, A. M. 1985. The influence of moonlight on the behavior of goatsuckers (Caprimulgidae). Master's Thesis. Carleton Univ. Ottawa, ON.

NatureServe. 2012. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.1. NatureServe, Arlington, Virginia. http://www.natureserve.org/explorer. Accessed 1 July 2013.

New York State Department of Environmental Conservation (NYSDEC). 2005. New York State Comprehensive Wildlife Conservation Strategy. http://www.dec.ny.gov/index.html. Accessed 1 July 2013.

Santner, S. 1992. Whip-poor-will. Pages 172-173 *in* Atlas of breeding birds in Pennsylvania. (Brauning, D. W., Ed.) Univ. of Pittsburgh Press, Pittsburgh, PA.

Schlesinger, M.D., J.D. Corser, K.A. Perkins, and E.L. White. 2011. Vulnerability of at-risk species to
climate change in New York. New York Natural Heritage Program, Albany, NY.

Therres, G.D. 1999. Wildlife species of regional conservation concern in the northeastern United States. Northeast Wildlife 54:93-100.