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Allegheny Table 1. Multi-Resolution Land Classification (MRLC) land cover classifications and corresponding percent cover in the Allegheny Basin.

Classification	% Cover
Deciduous Forest	46.05
Mixed Forest	20.57
Row Crops	14.03
Pasture/Hay	13.06
Water	1.83
Woody Wetlands	1.68
Low Intensity Residential	0.92
Evergreen Forest	0.69
Parks, Lawns, Golf Courses	0.56
High Intensity Commercial/Industrial	0.37
High Intensity Residential	0.15
Emergent Wetlands	0.05
Barren; Quarries, Strip Mines, Gravel Pits	0.04

Allegheny Table 2. State Parks within the Allegheny Basin.

Unit Name (DEC Region)	Acres	Primary Natural Habitats
ALLEGANY STATE PARK (9)	65,000	UPLAND
LONG POINT STATE PARK ON LAKE CHAUTAUQUA (9)	X	UPLAND/LAKE

Allegheny Table 3. Draft Audubon Important Bird Areas within the Allegheny Basin.

Unit Name (DEC Region)	Acres	Approved Criteria
ALLEGANY FOREST TRACT (9)	195,000	PERCENT POPULATION; FOREST; SPECIES AT RISK
CHAUTAUQUA LAKE (9)	14,000	PERCENT POPULATION; WATERFOWL; SPECIES AT RISK

Allegheny Table 4. NYSDEC land units within the Allegheny Basin.

Unit Name (DEC Region)	Acres	Primary Natural Habitats
28 STATE FORESTS	45,108	MULTIPLE
ALDER BOTTOM WMA (9)	800	WETLAND
ALLEGHENY RESERVOIR WMA (9)	1,100	UPLAND
CANADAWAY WMA (9)	2,080	UPLAND
CLAY POND/HARTSON SWAMP WMA (9)	230	UPLAND/WETLAND
CONEWANGO SWAMP WMA (9)	960	WETLAND
JAQUINS POND WMA (9)	31	UPLAND/WETLAND
KABOB WMA (9)	38	UPLAND
TOMS POINT WMA (9)	74	UPLAND/WETLAND
WATTS WMA (9)	1,382	WETLAND
CHENEY FARM	X	X
STOW PROPERTY	X	X

Allegheny Table 5. Critical **aquatic** habitats found in Allegheny basin, classified at the system and sub-system level, adapted from Edinger et al. (2002). The number of SGCN that indicate each system/sub-system association as a critical habitat is indicated.

System	Sub-System	# of Species
Lacustrine	cold water deep	5
Lacustrine	cold water shallow	2
Lacustrine	unknown	1
Lacustrine	warm water deep	2
Lacustrine	warm water shallow	4
Palustrine	mineral soil wetland	11
Palustrine	peatlands	1
Palustrine	unknown	1
Riverine	coldwater deep	1
Riverine	coldwater stream	10
Riverine	deepwater river	3
Riverine	unknown	1
Riverine	warmwater shallow	1
Riverine	warm water stream	12

Allegheny Table 6. Critical **terrestrial** habitats found in Allegheny basin, classified at the system and sub-system level, adapted from Edinger et al. (2002). The number of SGCN that indicate each system/sub-system association as a critical habitat is indicated.

System	Sub-System	# of Species
Terrestrial	barrens/woodlands	8
Terrestrial	forested	25
Terrestrial	open upland	30

Allegheny Table 7. Species of Greatest Conservation Need currently occurring in the Allegheny Basin. Species are sorted alphabetically by taxonomic group and species common name. The Species Group designation is included, indicating which Species Group Report in the appendix will contain the full information about the species. The Stability of this basin's population is also indicated for each species.

TaxaGroup	Species	SpeciesGroup	Stability
Bird	American bittern	Freshwater marsh nesting birds	Decreasing
Bird	American black duck	Breeding waterfowl	Unknown
Bird	American woodcock	Early successional forest/shrubland birds	Decreasing
Bird	Bald eagle	Bald Eagle	Increasing
Bird	Black-billed cuckoo	Early successional forest/shrubland birds	Decreasing
Bird	Black-throated blue warbler	Deciduous/mixed forest breeding birds	Stable
Bird	Blue-winged teal	Breeding waterfowl	Decreasing
Bird	Blue-winged warbler	Early successional forest/shrubland birds	Decreasing
Bird	Bobolink	Grassland birds	Decreasing
Bird	Brown thrasher	Early successional forest/shrubland birds	Decreasing
Bird	Canada warbler	Early successional forest/shrubland birds	Decreasing
Bird	Cerulean warbler	Deciduous/mixed forest breeding birds	Increasing
Bird	Common nighthawk	Common nighthawk	Decreasing
Bird	Dickcissel	Grassland birds	Unknown
Bird	Eastern meadowlark	Grassland birds	Decreasing
Bird	Golden-winged warbler	Early successional forest/shrubland birds	Decreasing
Bird	Grasshopper sparrow	Grassland birds	Decreasing
Bird	Henslow's sparrow	Grassland birds	Decreasing
Bird	Horned lark	Grassland birds	Decreasing
Bird	Least bittern	Freshwater marsh nesting birds	Decreasing
Bird	Long-eared owl	Forest breeding raptors	Unknown
Bird	Northern goshawk	Forest breeding raptors	Unknown
Bird	Northern harrier	Grassland birds	Unknown
Bird	Osprey	Osprey	Increasing
Bird	Pied-billed grebe	Freshwater marsh nesting birds	Decreasing
Bird	Prairie warbler	Early successional forest/shrubland birds	Increasing
Bird	Prothonotary warbler	Deciduous/mixed forest breeding birds	Unknown
Bird	Red-headed woodpecker	Deciduous/mixed forest breeding birds	Decreasing
Bird	Ruffed grouse	Early successional forest/shrubland birds	Decreasing
Bird	Sedge wren	Grassland birds	Unknown

Allegheny Table 7. (continued)

TaxaGroup	Species	SpeciesGroup	Stability
Bird	Sharp-shinned hawk	Forest breeding raptors	Increasing
Bird	Upland sandpiper	Grassland birds	Decreasing
Bird	Vesper sparrow	Grassland birds	Decreasing
Bird	Willow flycatcher	Early successional forest/shrubland birds	Decreasing
Bird	Wood thrush	Deciduous/mixed forest breeding birds	Decreasing
Bird	Yellow-breasted chat	Early successional forest/shrubland birds	Unknown
Freshwater fish	Bigeye chub	Bigeye chub	Decreasing
Freshwater fish	Black redhorse	Black redhorse	Stable
Freshwater fish	Bluebreast darter	Bluebreast darter	Unknown
Freshwater fish	Brook trout, Heritage strains	Brook trout, Heritage strains	Stable
Freshwater fish	Eastern sand darter	Eastern sand darter	Unknown
Freshwater fish	Gravel chub	Gravel chub	Unknown
Freshwater fish	Longhead darter	Longhead darter	Unknown
Freshwater fish	Mountain brook lamprey	Mountain brook lamprey	Unknown
Freshwater fish	Ohio lamprey	Ohio lamprey	Stable
Freshwater fish	Paddlefish	Extirpated fishes	Unknown
Freshwater fish	River redhorse	River redhorse	Unknown
Freshwater fish	Spotted darter	Spotted darter	Unknown
Freshwater fish	Streamline chub	Streamline chub	Stable
Herpetofauna	Blue-spotted salamander	Vernal pool salamanders	Unknown
Herpetofauna	Coal skink	Lizards	Unknown
Herpetofauna	Common mudpuppy	Mudpuppy	Unknown
Herpetofauna	Eastern ribbonsnake	Lake/river reptiles	Unknown
Herpetofauna	Four-toed salamander	Freshwater wetland amphibians	Unknown
Herpetofauna	Hellbender	Hellbender	Decreasing
Herpetofauna	Jefferson salamander	Vernal pool salamanders	Unknown
Herpetofauna	Longtail salamander	Stream salamanders	Decreasing
Herpetofauna	Northern red salamander	Stream salamanders	Unknown
Herpetofauna	Short-headed gartersnake	Woodland/grassland snakes	Decreasing
Herpetofauna	Smooth greensnake	Woodland/grassland snakes	Unknown
Herpetofauna	Snapping turtle	Snapping Turtle	Unknown
Herpetofauna	Spotted turtle	Uncommon turtles of wetlands	Unknown

Allegheny Table 7. (continued)

TaxaGroup	Species	SpeciesGroup	Stability
Herpetofauna	Stinkpot	Uncommon turtles of wetlands	Unknown
Herpetofauna	Timber rattlesnake	Woodland/grassland snakes	Decreasing
Herpetofauna	Western chorus frog	Freshwater wetland amphibians	Decreasing
Herpetofauna	Wood turtle	Lake/river reptiles	Unknown
Insect	American rubyspot	Odonates of rivers/streams	Unknown
Insect	Tawny crescent	Other butterflies	Decreasing
Mammal	Eastern red bat	Tree bats	Unknown
Mammal	Hoary bat	Tree bats	Unknown
Mammal	River otter	Furbearers	Unknown
Mollusk	Black sandshell	Freshwater bivalves	Unknown
Mollusk	Clubshell	Freshwater bivalves	Unknown
Mollusk	Eastern pondmussel	Freshwater bivalves	Unknown
Mollusk	Elktoe	Freshwater bivalves	Unknown
Mollusk	Kidneyshell	Freshwater bivalves	Unknown
Mollusk	Lance aplexa	Freshwater gastropods	Unknown
Mollusk	Mossy valvata	Freshwater gastropods	Unknown
Mollusk	Mucket	Freshwater bivalves	Stable
Mollusk	Paper pondshell	Freshwater bivalves	Unknown
Mollusk	Pocketbook	Freshwater bivalves	Unknown
Mollusk	Rainbow	Freshwater bivalves	Unknown
Mollusk	Rayed bean	Freshwater bivalves	Unknown
Mollusk	Round pigtoe	Freshwater bivalves	Unknown
Mollusk	Threeridge	Freshwater bivalves	Unknown
Mollusk	Wavyrayed lampmussel	Freshwater bivalves	Unknown

Allegheny Table 8. SGCN that historically occurred in Allegheny Basin, but have no recent records of occurrence in the basin the basin.

Taxa Group	Species	Species Group
Bird	Golden eagle	Forest breeding raptors
Bird	Whip-poor-will	Early successional forest/shrubland birds
Freshwater fish	Blackchin shiner	Blackchin shiner
Freshwater fish	Gilt darter	Extirpated Fishes
Freshwater fish	Iowa darter	Iowa darter
Freshwater fish	Mooneye	Mooneye
Herpetofauna	Queen snake	Lake/river reptiles
Insect	Mocha emerald	Odonates of small forest streams
Insect	Regal fritillary	Other butterflies
Mammal	Eastern cougar	Extirpated large mammals
Mammal	Gray wolf	Extirpated large mammals
Mammal	Least shrew	Small mammals of uncertain/questionable residency
Mammal	Wateshrew	Small mammals of uncertain/questionable residency
Mammal	New England cottontail	Small mammals of uncertain/questionable residency
Mammal	Least weasel	Small mammals of uncertain/questionable residency
Mammal	Northern flying squirrel	Small mammals of uncertain/questionable residency
Mammal	Silver-haired tree bat	Tree bats
Mollusk	Campeloma spire snail	Freshwater gastropods
Mollusk	Gravel pyrg	Freshwater gastropods
Mollusk	Pink heelsplitter	Freshwater bivalves
Mollusk	Round hickorynut	Freshwater bivalves
Mollusk	Watercress snail	Freshwater gastropods
Marine fish	American eel	American eel

Allegheny Table 9. Allegheny current species diversity relative to the total number of SGCN statewide

Taxa Group	# Species Groups in the Basin	# Species in the Basin	Total # SGCN Statewide	% of Total SGCN for this Group
BIRDS	9	36	118	30.5
Bald Eagle		1		
Breeding Waterfowl		2	4	50.0
Common Nighthawk		1		
Deciduous/Mixed Forest Breeding Birds		5	9	55.6
Early Successional Forest Breeding Birds		10	12	83.3
Forest Breeding Raptors		3	6	50.0
Freshwater Marsh Nesting Birds		3	6	50.0
Grassland Birds		10	11	90.9
Osprey		1		
FRESHWATER FISH	12	13	40	32.5
Bigeye Chub		1		
Black Redhorse		1		
Bluebreast Darter		1		
Heritage-Strain Brook Trout		1		
Eastern Sand Darter		1		
Gravel Chub		1		
Longhead Darter		1		
Mountain Brook Lamprey		1		
Ohio Lamprey		1		
River Redhorse		1		
Spotted Darter		1		
Streamline Chub		1		
Paddlefish		1		
HERPETOFAUNA	10	17	44	38.6
Freshwater Wetland Amphibian		2	5	40.0
Hellbender		1		
Lake/River Reptiles		2	5	40.0
Lizards		1	3	33.3
Mudpuppy		1		
Snapping Turtle		1		
Stream Salamanders		2	2	100.0
Uncommon Turtles of Wetlands		2	5	40.0
Vernal Pool Salamanders		2	4	50.0
Woodland/Grassland Snakes		3	8	37.5
INSECT	2	2	197	1.0
Odonates of Rivers/Streams		1	19	5.3
Other Butterflies		1	18	5.6
MAMMAL	2	3	21	14.3
Furbearers		1	2	50.0
Tree Bats		2	3	66.7
MOLLUSK	2	15	59	25.4
Freshwater Bivalves		13	39	33.3
Freshwater gastropods		2		
TOTAL	37	86	530	16.2
% of all spp groups statewide	28.9			

Allegheny Table 10. Summary of threats, number of (and percent of all) species groups affected, and percentage of all threats to SGCN in the Allegheny Basin. For details on threats, see Appendix: *Threats Characterization for Wildlife and their Habitats*

Threats	# of Species Groups Affected	% of All Spp Groups in Basin	% of All Threats in Basin
Multiple ^a	36	97.3	14.2
Contaminants, pesticides	22	59.5	8.7
Habitat loss - conversion to cultural	22	59.5	8.7
Degradation of water quality	16	43.2	6.3
Human disturbance - illegal/unreg harvest	15	40.5	5.9
Sedimentation/erosion	15	40.5	5.9
Altered hydrology - loss of habitat quantity	14	37.8	5.5
Disturbed predator/prey cycles	12	32.4	4.7
Human disturbance - collisions	10	27.0	3.9
Habitat fragmentation	9	24.3	3.5
Disease	8	21.6	3.1
Unsustainable ag/silvicultural practices	7	18.9	2.8
Competition for life support	7	18.9	2.8
Habitat loss - natural succession - agricultural reversion; forestry	6	16.2	2.4
Competition from exotics - loosestrife, phragmites	5	13.5	2.0
Human disturbance - direct and indirect	4	10.8	1.6
Loss of streamside buffers	4	10.8	1.6
Altered hydrology - loss of habitat quality	4	10.8	1.6
Active alteration of natural processes - fire, etc.	4	10.8	1.6
Susceptibility to stochastic events - rare species	4	10.8	1.6
Reduction of patch size, shape, area	3	8.1	1.2
Loss of connectivity	3	8.1	1.2
Human disturbance - entanglement, entrainment	3	8.1	1.2
Detrimental hybridization	3	8.1	1.2
Susceptibility to stochastic events - isolated populations	3	8.1	1.2
Barriers (roads; development; curbs)	2	5.4	0.8
Habitat competition altered by overuse (deer browse, etc)	2	5.4	0.8

Allegheny Table 10. (continued)

Threats	# of Species Groups Affected	% of All Spp Groups in Basin	% of All Threats in Basin
Aq. habitat competition altered by invasives/non-natives	2	5.4	0.8
Unknown threats	2	5.4	0.8
Pollution (acid rain; soil contamination)	1	2.7	0.4
Terr. habitat composition altered by invasives/non-natives)	1	2.7	0.4
Aq. habitat composition altered by overuse (beaver, geese)	1	2.7	0.4
Human created abrupt edges	1	2.7	0.4
Loss of host species	1	2.7	0.4
Susceptibility to stochastic events - weather, storm events	1	2.7	0.4
Climate change (range restrictions; changes in distribution)	1	2.7	0.4

^a Multiple = recommended action addresses multiple threats rather than one specific threat