

Virginia Creeper Parthenocissus quinquefolia



Princess Tree Paulownia tomentosa



Liverwort Marchantiophyta sp

TREES	
Box elder maple	Acer negundo
Silver maple	Acer saccharinum
White mulberry	Morus alba
Tulip poplar	Liriodendron tulipifera
Empress tree	Paulownia tomentosa
Tree-of-heaven	Ailanthus altissima
Black cherry	Prunus serotina
American elm	Ulmus americana
Slippery elm	Ulmus rubra
American sycamore	Platanus occidentalis*
Black willow	Salix nigra
Green ash	Fraxinus pensylvanica*
Black walnut	Juglans nigra*
Black locust	Robinia pseudoacacia*
Mimosa	Albizia julibrissin*
*Seedling	
SHRUBS	
False indigo bush	Amorpha fruticosa
Red osier dogwood	Cornus sericea
Allegheny blackberry	Rubus allegheniensis
VINES	
Virgin's bower	Clematis virginiana
Virginia creeper	Parthenocissus quinquefolia
Poison ivy	Toxicodendron radicans
Japanese honeysuckle	Lonicera japonica
HERBACEOUS	
White snakeroot	Ageratina altissima
Mugwort	Artemisia vulgaris
Common burdock	Articum minus
Woolly mullein	Verbascum thapsus
Crown vetch	Coronilla varia
Dog bane	Apocynum cannabinum
Evening-primrose	Oenothera biennis
Onion	Allium sp.
Deertongue grass	Panicum clandestinum
Canada thistle	Cirsium arvense
Dandelion	Taraxacum officinale
Japanese knotweed	Polygonum cuspidatum
Jewelweed	Impatiens capensis
Periwinkle	Vinca minor
Queen Anne's lace	Daucus carota
Hairy white aster	Symphyotrichum pilosum
Sedge	Carex sp.
Common reed	Phragmites australis
Common milkweed	Asclepias syriaca
Barren strawberry	Potentilla indica
PLANTS ON PIER-SIDE OF FENCE	
Red maple	Acer rubrum
American holly (cultivar)	llex opaca
New England aster (cv)	Aster novae-angliae
Foxglove beardtongue (cv)	Penstemon digitalis
Purple coneflower (cv)	Echinacea purpurea
Black-eyed Susan	Rudbeckia hirta
DIUCK-EYEU JUSUII	

FAUNAL SPECIES OBS

MAMMAL
Common NAME
House mouse
White-footed mouse
Eastern gray squirrel
Raccoon
Feral cat
HERPETOFAUNA
REPTILES

MUSSELS/ UNIONIDS

NATIVE

NON-NATIVE

INDUSTRY RELATED



Phalacrocorax auritus



Cooper's Hawk Accipiter cooperii

FLORA AND FAUNA

Public Meeting 1 November 15, 2012





					FAUNAL S	PECIES OBSERVED ON	OCTOBER 8, 9, & 13, 20	12 BY AES
C.YM						COMMON NAME		OBSERVATIONAL NOTES
				CONTRACTOR OF	WADERS AND	Common loon	Gavia immer	Flying along river
3/ -0					WATERFOWL	Leach's storm petrel	Oceanodroma microsoma	Extremely Rare. Observed along the Delaware after Hurricane Sandy (entrained by storm)
						Double-crested cormorant	Phalacrocorax auritus	After Hurricane Sandy (entrained by storm) Many perched on outer poles of Pier
						Great blue heron	Ardea herodias	Along shoal on south side
				and marked		Canada goose	Branta canadensis	Numerous, on water
						Mallard	Anas platyrhynchos	Paired on the water
						Surf scoter Black scoter	Melanitta perspicillata Melanitta nigra	Extremely rare. Observed along the delaware after hurricane sandy (displaced by storm) Rare. Observed along the delaware after
				de FR	RAPTORS	Turkey vulture	Cathartes aura	hurricane sandy Soaring overhead
						Black vulture	Coragyps atratus	Soaring overhead
	White M		Common white snaker	ot		Bald eagle	Haliaeetus leucocephalus	Flying south along the river
a spp.	Morus a	,	Ageratina altissima			Cooper's hawk Red-tailed hawk	Accipiter cooperii	Perched in box elder on site. Actively chasing passerine in meadow to the south Aerial foraging
						Osprey	Buteo jamaicensis Pandion haliaetus	Flying south along the river
						Merlin	Falco columbarius	Chasing passerine
BSERVAT	IONS MADE ON OCTOBER	8.9, &13, 2012 BY AE	S			Peregrine falcon	Falco peregrinus	Aerial foraging
					GULLS AND SHOREBIRDS	Red phalarope	Phalaropus fulicaria	Extremely Rare. Flock of 50 observed along the Delaware after Hurrican Sandy (displaced
	TAXONOMIC BINOMIAL	OBSERVATION NOTES		ABUNDANCE				by storm)
	Mus musculus Peromyscus leucopus	Running along north wall Nesting under debris		1 6		Parasitic jaeger	Stercorarius parasiticus	Extremely Rare. Observed along the Delaware after Hurricane Sandy (entrained by storm)
	Sciurus carolinensis Procyon lotor	Common Tracks		10 0		Bonaparte's gull	Larus philadelphia	Observed along the delaware after hurricane sandy
	Felis catus			2		Laughing gull	Larus atricilla	Observed along the delaware after hurricane sandy
						Ring-billed gull	Larus delawarensis	Many observed on all three site visits
	COMMON NAME	TAXONOMIC BINOMIAL	OBSERVATION NOTES	ABUNDANCE		Herring gull	Larus argentatus	Foraging, perched on water, and flying over river
	Northern brown snake Eastern garter snake	Storeria d. dekayi Thamnophis s. sirtalis	Under cwd on pier Locomoting in understory on pier	1 2		Lesser black-back gull Great black-backed gull	Larus fuscus Larus maritimus	Perched on pier to the south Foraging, perched on water, and flying over
								river
			OBSERVATION NOTES	ABUNDANCE		Caspian tern Common tern	Sterna caspia Sterna hirundo	Foraging, southbound Perched on posts at eage of island. Foraging
	Eastern floater Eastern elliptio	Pyganodon cataracta Elliptio complanata	Shells observed on shores of Pier Shells observed on shores of Pier	3				over river
	Asiatic clam	Corbicula fluminea	Shells commonly observed on shore of pier	es 50+		Sooty tern	Sterna fuscata	Extremely Rare. Observed along the Delaware after Hurricane Sandy (entrained by
	Zebra mussel	Dreissena polymorpha	Shells observed on shores of pier	10+	PASSERINE/	Mourning dove	Zenaida macroura	storm) Common
	Eastern oyster/ other oysters	Crassostrea virginica and other Ostreidae	Not from native beds, likley dumpe from seafood industry	d 25+	SONGBIRDS	Rock pigeon	Columba livia	Flocking overhead
	Button-making shells		A large, thick clam used to make	100+ shell		Chimney swift	Chaetura pelagica	Few foraging together drifting south
			buttons, likely of Australian origin. Circular excavations in them	fragments		Ruby-throated hummingbird	Archilochus colubris	On pier
						Belted kingfisher	Ceryle alcyon	Calling south of pier
						Red-bellied woodpecker Yellow-bellied sapsucker	Melanerpes carolinus	Foraging on pier
Z 7 '		X X				Downy woodpecker	Sphyrapicus varius Picoides pubescens	Foraging on pier Foraging on pier
				Kon Ma		Northern flicker	Colaptes auratus	Foraging on pier
						Eastern wood-pewee	Contopus virens	In migration
		Y				Eatern phoebe Blue jay	Sayornis phoebe Cyanocitta cristada	In migration Family group
53		A /				American crow	Corvus brachyrhynchos	Common
				- Joles Ruis		Fish crow	Corvus ossifragus	Flying north along river
						Northern rough-winged swallow	Stelgyopteryx serripennis	Foraging
						Tree swallow	Tachycineta bicolor	Foraging
						Tufted titmouse Black-capped chickadee	Baeolophus bicolor Poecile atricapilla	Foraging on pier Foraging on pier
						Red-breasted nuthatch	Sitta canadensis	Foraging on pier
						White-breasted nuthatch	Sitta carolinensis	Foraging on pier
						Brown creeper	Certhia americana	Foraging on pier
ant	White-throated	Sparrow	Eastern Garter Snake			Carolina wren Golden-crowned kinglet	Thryothorus Iudovicianus Regulus satrapa	Foraging on pier Foraging on pier
	Zonotrichia alb		Thamnophis sirtalis			Ruby-crowned kinglet	Regulus calendula	Foraging on pier
Derry						Eastern bluebird	Sialis sialia	Foraging on pier
and the	DALS OF		and the second s	a company of the second		American robin	Turdus migratorius	Foraging on pier
XW	RAND 1			the state of the s		Swainson's thrush Gray catbird	Catharus ustulatus Dumetella carolinensis	Foraging on pier Foraging on pier
						Northern mockingbird	Mimus polyglottos	Foraging on pier
						European starling	Sturnus vulgaris	Flocking
4 2						Cedar waxwing	Bombycilla cedrorum	Foraging on pier
12 tot						Orange-crowned warbler Common yellowthroat	Oreothlypis celata Geothylpis trichas	Foraging on pier Foraging/chip noting on pier south of pier 53
1 AC	CANAL CALLON					Northern cardinal	Cardinalis cardinalis	2 Female, 1 male
	COD II ACC	13 Las				White-throated sparrow	Zonotrichia albicolis	Flocking migrants. On pier, in recent
be	Sterre Cherry					Song sparrow	Melosniza molodia	plantings at base, and meadow to the south
- TANKA		the point of the				Song sparrow Swamp sparrow	Melospiza melodia Melospiza georgiana	Numerous In meadow to the south
No.						Dark-eyed junco	Junco hyemalis	Migrant flock
2-	BERTA P					Red-winged blackbird	Agelaius phoeniceus	Migrant flocks, with grackles
1 mile		prove provide				Common grackle	Quiscalus quiscula	Migrant flocks, with red-winged blackbirds
	Brown Snake		Common Tern			House finch American goldfinch	Carpodacus mexicanus Carduelis tristis	Foraging on pier Foraging on pier
	Storeria dekay	/1	Sterna hirundo			House sparrow	Passer domesticus	In planted trees in parking lot and adjacent
								planting

				n and a second	FAUNAL S	SPECIES OBSERVED ON	OCTOBER 8, 9, & 13, 20	12 BY AES
NA-				P And P		COMMON NAME	TAXONOMIC BINOMIAL	OBSERVATIONAL NOTES
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			and the second sec	77 X X X X X X X X X X X X X X X X X X		Great blue heron	Ardea herodias	Along shoal on south side
						Canada goose	Branta canadensis	Numerous, on water
THE ROAD						Mallard	Anas platyrhynchos	Paired on the water
				1 7		Surf scoter	Melanitta perspicillata	Extremely rare. Observed along the delaware after hurricane sandy (displaced by storm)
						Black scoter	Melanitta nigra	Rare. Observed along the delaware after hurricane sandy
					RAPTORS	Turkey vulture	Cathartes aura	Soaring overhead
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р.	White M Morus a		Common white snakerod Ageratina altissima	ot		Bald eagle Cooper's hawk	Haliaeetus leucocephalus Accipiter cooperii	Flying south along the river Perched in box elder on site. Actively chasing passerine in meadow to the south
			0			Red-tailed hawk	Buteo jamaicensis	Aerial foraging
						Osprey	Pandion haliaetus	Flying south along the river
						Merlin	Falco columbarius	Chasing passerine
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		TAXONOMIC BINOMIAL	OBSERVATION NOTES	ABUNDANCE		Herring gull	Larus argentatus	river
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						Caspian tern	Sterna caspia	Foraging, southbound
	COMMON NAMEEastern floaterEastern elliptio	TAXONOMIC BINOMIALPyganodon cataractaElliptio complanata	OBSERVATION NOTESShells observed on shores of PierShells observed on shores of Pier	ABUNDANCE 4 3		Common tern	Sterna hirundo	Perched on posts at eage of island. Foraging over river
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	Button-making shells		A large, thick clam used to make	100+ shell		Chimney swift	Chaetura pelagica	Few foraging together drifting south
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			Circular excavations in them			Belted kingfisher	Ceryle alcyon	Calling south of pier
						Red-bellied woodpecker	Melanerpes carolinus	Foraging on pier
7.				Martin Martin		Yellow-bellied sapsucker	Sphyrapicus varius	Foraging on pier
		~ ~				Downy woodpecker	Picoides pubescens	Foraging on pier
						Northern flicker Eastern wood-pewee	Colaptes auratus Contopus virens	Foraging on pier In migration
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1	En X					Blue jay	Cyanocitta cristada	Family group
						American crow	Corvus brachyrhynchos	Common
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		Y AND Y				Northern rough-winged swallow	Stelgyopteryx serripennis	Foraging
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						Black-capped chickadee	Poecile atricapilla	Foraging on pier
			A Real Property and and a second			Red-breasted nuthatch	Sitta canadensis	Foraging on pier
						White-breasted nuthatch Brown creeper	Sitta carolinensis Certhia americana	Foraging on pier Foraging on pier
						Carolina wren	Thryothorus Iudovicianus	Foraging on pier
	White-throated	Sparrow	Eastern Garter Snake			Golden-crowned kinglet	Regulus satrapa	Foraging on pier
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C M						Eastern bluebird	Sialis sialia	Foraging on pier
3.3	DANS C		and the second sec	Com- Class one		American robin	Turdus migratorius	Foraging on pier
14	RAND -					Swainson's thrush	Catharus ustulatus Dumetella carolinensis	Foraging on pier
17						Gray catbird Northern mockingbird	Mimus polyglottos	Foraging on pier Foraging on pier
1	North Charles					European starling	Sturnus vulgaris	Flocking
14	NAN YO			and the second second		Cedar waxwing	Bombycilla cedrorum	Foraging on pier
4. 2.						Orange-crowned warbler		Foraging on pier
120	A Contraction					Common yellowthroat	Geothylpis trichas	Foraging/chip noting on pier south of pier 53
VY	MARKEN (19 APRIL)	NO A				Northern cardinal	Cardinalis cardinalis	2 Female, 1 male
1-1	-DEC ICC	2620				White-throated sparrow	Zonotrichia albicolis	Flocking migrants. On pier, in recent plantings at base, and meadow to the south
Ste	Contraction of the second	and the second				Song sparrow	Melospiza melodia	Numerous
and the second		AN AND				Swamp sparrow	Melospiza georgiana	In meadow to the south
7						Dark-eyed junco	Junco hyemalis	Migrant flock
	State 1					Red-winged blackbird	Agelaius phoeniceus	Migrant flocks, with grackles
Ser.		1100				Common grackle	Quiscalus quiscula	Migrant flocks, with red-winged blackbirds
	Brown Snake		Common Tern			House finch American goldfinch	Carpodacus mexicanus Carduelis tristis	Foraging on pier Foraging on pier
	Storeria dekay	<i>Y</i> İ	Sterna hirundo			House sparrow	Passer domesticus	In planted trees in parking lot and adjacent
						1		planting









PIER 53: WASHINGTON AVENUE GREEN washington avenue & south columbus boulevard

