

Appendix C:

Natural Resources

Existing Conditions

Table C-1
Flora Observed within the Project Site and Study Area: May, July, and
September 2007

Common	Scientific Name	Species not observed in 1996
Trees & shrubs		
Norway maple	<i>Acer platanoides</i>	x
Sycamore maple	<i>Acer pseudo-platanus</i>	
Tree-of-heaven	<i>Ailanthus altissima</i>	
Northern catalpa	<i>Catalpa speciosa</i>	
Hawthorn	<i>Crataegus spp.</i>	
Autumn-olive	<i>Elaeagnus umbellata</i>	
Eastern red cedar	<i>Juniperus virginiana</i>	
Crabapple	<i>Malus sp.</i>	x
Apple	<i>Malus sp.</i>	
Bayberry	<i>Morella pennsylvanica</i>	
White Mulberry	<i>Morus alba</i>	x
Mulberry	<i>Morus spp.</i>	
Japanese black pine	<i>Pinus thunbergii</i>	
Eastern sycamore	<i>Platanus occidentalis</i>	
Eastern cottonwood	<i>Populus deltoides</i>	
Beach Plum	<i>Prunus maritima</i>	x
Black cherry	<i>Prunus serotina</i>	
Cherry	<i>Prunus sp.</i>	x
Pin oak	<i>Quercus palustris</i>	
Red oak	<i>Quercus rubra</i>	x
Oak	<i>Quercus spp.</i>	
Alder buckthorn	<i>Rhamnus frangula</i>	
Winged sumac	<i>Rhus copallinum</i>	
Smooth sumac	<i>Rhus glabra</i>	
Staghorn sumac	<i>Rhus typhina</i>	
Black locust	<i>Robinia pseudoacacia</i>	
Multiflora rose	<i>Rosa multiflora</i>	
Blackberry	<i>Rubus spp.</i>	
Sandbar willow	<i>Salix interior</i>	x
Black willow	<i>Salix nigra</i>	
Sassafras	<i>Sassafras albidum</i>	

Table C-1 (cont'd)
Flora Observed within the Project Site and Study Area: May, July, and
September 2007

Common	Scientific Name	Species not observed in 1996
Vines		
Asiatic bittersweet	<i>Celastrus orbiculatus</i>	
Hedge bindweed	<i>Convolvulus sepium</i>	
Japanese honeysuckle	<i>Lonicera japonica</i>	
Virginia creeper	<i>Parthenocissus quinquefolia</i>	
Bur cucumber	<i>Sicyos angulatus</i>	x
Bittersweet nightshade	<i>Solanum dulcamara</i>	
Poison ivy	<i>Toxicodendron radicans</i>	
Grasses		
Quack grass	<i>Agropyron repens</i>	x
Little bluestem	<i>Andropogon scoparius</i>	
Broom sedge	<i>Andropogon virginicus</i>	x
Yellow sedge	<i>Carex flava</i>	x
Carex spp.	<i>Carex spp.</i>	x
Bermuda grass	<i>Cynodon dactylon</i>	x
Fern flatsedge	<i>Cyperus filicinus</i>	x
Nutgrass	<i>Cyperus rotundus</i>	x
Sedge	<i>Cyperus spp.</i>	
Umbrella sedge	<i>Cyperus strigosus</i>	x
Crab grass	<i>Digitaria sanguinalis</i>	
Barnyard grass	<i>Echinochloa crusgalli</i>	x
Goose grass	<i>Eleusine indica</i>	x
Stink grass	<i>Eragrostis cilianensis</i>	x
African love grass	<i>Eragrostis curvula</i>	
Stink grass	<i>Eragrostis megastachya</i>	x
Purple love grass	<i>Eragrostis spetabilis</i>	x
Red fescue	<i>Fescue rubra</i>	
Sheep fescue	<i>Festuca ovina</i>	x
Fescue	<i>Festuca spp.</i>	x
Silvergrass	<i>Gorynephorus canescens</i>	
Squirreltail grass	<i>Hordeum jubatum</i>	x
Rush	<i>Juncus spp.</i>	
Path rush	<i>Juncus tenuis</i>	x
Alfalfa	<i>Medicago sativa</i>	
Deer tongue grass	<i>Panicum clandestinum</i>	
Panicum sp.	<i>Panicum spp.</i>	x
Switch grass	<i>Panicum virgatum</i>	x
Timothy grass	<i>Phleum pratense</i>	
Common reed	<i>Phragmites australis</i>	
Giant foxtail grass	<i>Setaria faberii</i>	x

Table C-1 (cont'd)
Flora Observed within the Project Site and Study Area: May, July, and
September 2007

Common	Scientific Name	Species not observed in 1996
Green foxtail	<i>Setaria viridis</i>	x
Low marsh cordgrass	<i>Spartina alterniflora</i>	
High marsh cordgrass	<i>Spartina patens</i>	
Forbs		
Yarrow	<i>Achillea millefolium</i>	
Common Milkweed	<i>Aesclepias syriaca</i>	
Velvetleaf	<i>Albutilon theophrasti</i>	x
Field garlic	<i>Allium vineale</i>	
Amaranth	<i>Amaranthus sp.</i>	x
Common ragweed	<i>Ambrosia artemisiifolia</i>	
Dogbane	<i>Apocynum spp.</i>	
Annual wormwood	<i>Artemisia annua</i>	
Mugwort	<i>Artemisia vulgaris</i>	
White wood aster	<i>Aster divaricatus</i>	
Asters	<i>Aster spp.</i>	
Brown Knapweed	<i>Centaurea jacea</i>	x
Spotted knapweed	<i>Centaurea maculosa</i>	
Lamb's quarters	<i>Chenopodium album</i>	
Sickle-leaved golden aster	<i>Chrysopsis falcata</i>	
Chickory	<i>Cichorium intybus</i>	x
Canada thistle	<i>Cirsium arvense</i>	
Bull thistle	<i>Cirsium vulgare</i>	
Dodder	<i>Cuscuta spp.</i>	
Winged Pigweed	<i>Cycloloma atriplicifolium</i>	x
Jimson weed	<i>Datura stramonium</i>	
Queen Anne's lace	<i>Daucus carota</i>	
Daisy fleabane	<i>Erigeron annuus</i>	
Horseweed	<i>Erigeron canadensis</i>	x
Common Fleabane	<i>Erigeron philadelphicus</i>	x
Hyssop-leaved Boneset	<i>Eupatorium hyssopifolium</i>	x
White Snakeroot	<i>Eupatorium rugosum</i>	x
Late-flowering Thoroughwort	<i>Eupatorium serotinum</i>	x
Thoroughwort sp.	<i>Eupatorium sp.</i>	x
Cypress spurge	<i>Euphorbia cyparissias</i>	x
Spotted sandmat	<i>Euphorbia supina</i>	x
Plains snakecotton	<i>Froelichia floridana</i>	x
Common sunflower	<i>Helianthus annus</i>	
Camphorweed	<i>Heterotheca subaxillaris</i>	
Common St. John's wort	<i>Hypericum perforatum</i>	
Wild Lettuce	<i>Lactuca canadensis</i>	

Table C-1 (cont'd)
Flora Observed within the Project Site and Study Area: May, July, and September 2007

Common	Scientific Name	Species not observed in 1996
Prickly lettuce	<i>Lactuca scariola</i>	
Narrow-leaved Pinwheel	<i>Leachea tenuifolia</i>	x
Peppergrass	<i>Lepidium campestre</i>	x
Poor-man's-pepper	<i>Lepidium virginicum</i>	
Bush clover	<i>Lespedeza spp.</i>	
Butter and eggs	<i>Linaria vulgaris</i>	
Evening lychnis	<i>Lychnis alba</i>	
Whorled loosestrife	<i>Lysimachia quadrifolia</i>	
White sweet clover	<i>Melilotus alba</i>	
Yellow sweet clover	<i>Melilotus officinalis</i>	
Co. Evening primrose	<i>Oenothera biennis</i>	
Yellow sheep sorrel	<i>Oxalis stricta</i>	
Pokeweed	<i>Phytolacca americana</i>	
English Plantain	<i>Plantago lanceolata</i>	
Common plantain	<i>Plantago major</i>	
Sand Jointweed	<i>Polygonella articulata</i>	x
Japanese knotweed	<i>Polygonum cuspidatum</i>	
Nodding Smartweed	<i>Polygonum lapathifolium</i>	x
Pink knotweed	<i>Polygonum pennsylvanicum</i>	x
Rough-fruited cinquefoil	<i>Potentilla recta</i>	
Rough-fruited cinquefoil	<i>Potentilla recta</i>	x
Wild radish	<i>Raphanus raphanistrum</i>	
Northern dewberry	<i>Rubus flagellaris</i>	
Curled dock	<i>Rumex crispus</i>	
Bouncing Bet	<i>Saponaria officinalis</i>	x
Horse nettle	<i>Solanum carolinense</i>	
Black nightshade	<i>Solanum ptycanthum</i>	x
Seaside goldenrod	<i>Solidago sempervirens</i>	
Goldenrods	<i>Solidago spp.</i>	
Field Sow Thistle	<i>Sonchus arvensis</i>	x
Dandelion	<i>Taraxacum officinale</i>	
Hop Clover	<i>Trifolium agrarium</i>	
Rabbit-foot Clover	<i>Trifolium arvense</i>	x
Red Clover	<i>Trifolium pratense</i>	
Red Clover	<i>Trifolium pratense</i>	x
Common Mullein	<i>Verbascum thapsus</i>	
Cow Vetch	<i>Vicia cracca</i>	
Beach Clotbur	<i>Xanthium echinatum</i>	x

Notes: Field surveys conducted by AKRF in May, July and September 2007
Sources: AKRF 1996, 2007 field surveys

Table C-2

**Breeding Bird Species Reported In The 2000-2005 NYS Breeding Bird Atlas With
Potential To Occur Within The Project Site**

Common Name	Scientific Name
<i>Confirmed breeders</i>	
Ring-necked Pheasant	<i>Phasianus colchicus</i>
Mourning Dove	<i>Zenaida macroura</i>
Rock Pigeon	<i>Columba livia</i>
Gray Catbird	<i>Dumetella carolinensis</i>
American Robin	<i>Turdus migratorius</i>
Red-winged Blackbird	<i>Agelaius phoeniceus</i>
Song Sparrow	<i>Melospiza melodia</i>
House Sparrow	<i>Passer domesticus</i>
Barn Swallow	<i>Hirundo rustica</i>
Brown Thrasher	<i>Toxostoma rufum</i>
European Starling	<i>Sturnus vulgaris</i>
Northern Mockingbird	<i>Mimus polyglottos</i>
Common Grackle	<i>Quiscalus quiscula</i>
House Wren	<i>Troglodytes aedon</i>
Northern Cardinal	<i>Cardinalis cardinalis</i>
<i>Probable breeders</i>	
Common Yellowthroat	<i>Geothlypis trichas</i>
Eastern Kingbird	<i>Tyrannus tyrannus</i>
Fish Crow	<i>Corvus ossifragus</i>
Mallard*	<i>Anas platyrhynchos</i>
Marsh Wren	<i>Cistothorus palustris</i>
<i>Possible Breeders</i>	
American Crow	<i>Corvus brachyrhynchos</i>
Northern Flicker	<i>Colaptes auratus</i>
Chimney Swift	<i>Chaetura pelagica</i>
American Black Duck*	<i>Anas rubripes</i>
Downy Woodpecker	<i>Picoides pubescens</i>
Eastern Towhee	<i>Pipilo erythrophthalmus</i>
Willow Flycatcher	<i>Empidonax traillii</i>
Yellow Warbler	<i>Dendroica petechia</i>
* = Would be restricted as breeders to the perimeter of Hendrix Creek	
<p>Notes: Common names in bold indicate birds confirmed as breeders in 1996 Gateway Estates FEIS. Data presented from blocks 5850D and 5950C.</p> <p>Sources: NYSDEC Breeding Bird Atlas data (NYSDEC 2007), 1996 Gateway Estates FEIS</p>	

Table C-3

**Bird Species Observed Within The Project Site And Study Area In May, July,
And September 2007**

Common Name	Scientific Name
Atlantic Brant *	<i>Branta bernicla</i>
Canada Goose	<i>Branta Canadensis</i>
Mute Swan *	<i>Cygnus olor</i>
Gadwall +	<i>Anas strepera</i>
American Black Duck *	<i>Anas rubripes</i>
Mallard +	<i>Anas platyrhynchos</i>
Ruddy Duck *	<i>Oxyura jamaicensis</i>
Ring-necked Pheasant	<i>Phasianus colchicus</i>
Double-crested Cormorant ^F	<i>Phalacrocorax auritus</i>
Great Blue Heron +	<i>Ardea Herodias</i>
Great Egret +	<i>Ardea alba</i>
Snowy Egret *	<i>Egretta thula</i>
Little Blue Heron *	<i>Egretta caerulea</i>
Green Heron *	<i>Butorides virescens</i>
Black-crowned Night-Heron *	<i>Nycticorax nycticorax</i>
Glossy Ibis *	<i>Plegadis falcinellus</i>
Osprey *	<i>Pandion haliaetus</i>
Northern Harrier *	<i>Circus cyaneus</i>
Red-tailed Hawk	<i>Buteo jamaicensis</i>
Peregrine Falcon *	<i>Falco peregrinus</i>
American Kestrel	<i>Falco sparverius</i>
Clapper Rail *	<i>Rallus longirostris</i>
Semipalmated Plover *	<i>Charadrius semipalmatus</i>
Killdeer	<i>Charadrius vociferous</i>
American Oystercatcher *	<i>Haematopus palliates</i>
Spotted Sandpiper +	<i>Actitis macularius</i>
Willet *	<i>Tringa semipalmata</i>
Lesser Yellowlegs *	<i>Tringa flavipes</i>
Least Sandpiper *	<i>Calidris minutilla</i>
Short-billed Dowitcher *	<i>Limnodromus griseus</i>
American Woodcock	<i>Scolopax minor</i>
Laughing Gull +	<i>Larus atricilla</i>
Ring-billed Gull +	<i>Larus delawarensis</i>
Herring Gull	<i>Larus argentatus</i>
Great Black-backed Gull *	<i>Larus marinus</i>
Common Tern *	<i>Sterna hirundo</i>
Forster's Tern +	<i>Sterna forsteri</i>
Rock Pigeon	<i>Columba livia</i>

Table C-3 (cont'd)
Bird Species Observed Within The Project Site And Study Area In May, July,
And September 2007

Common Name	Scientific Name
Mourning Dove	<i>Zenaida macroura</i>
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>
Chimney Swift ^F	<i>Chaetura pelagica</i>
Belted Kingfisher *	<i>Ceryle alcyon</i>
Downy Woodpecker	<i>Picoides pubescens</i>
Northern Flicker	<i>Colaptes auratus</i>
Willow Flycatcher	<i>Empidonax traillii</i>
Eastern Kingbird	<i>Tyrannus tyrannus</i>
White-eyed Vireo	<i>Vireo griseus</i>
Blue Jay	<i>Cyanocitta cristata</i>
American Crow	<i>Corvus brachyrhynchos</i>
Fish Crow	<i>Corvus ossifragus</i>
Tree Swallow	<i>Tachycineta bicolor</i>
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>
Barn Swallow	<i>Hirundo rustica</i>
Black-capped Chickadee	<i>Poecile atricapillus</i>
Carolina Wren	<i>Thryothorus ludovicianus</i>
Marsh Wren	<i>Cistothorus palustris</i>
American Robin	<i>Turdus migratorius</i>
Gray Catbird	<i>Dumetella carolinensis</i>
Northern Mockingbird	<i>Mimus polyglottos</i>
Brown Thrasher	<i>Toxostoma rufum</i>
European Starling	<i>Sturnus vulgaris</i>
Cedar Waxwing	<i>Bombycilla cedrorum</i>
Yellow Warbler	<i>Dendroica petechia</i>
Black-throated Blue Warbler	<i>Dendroica caerulescens</i>
Yellow-rumped Warbler	<i>Dendroica coronata</i>
Pine Warbler	<i>Dendroica pinus</i>
Palm Warbler	<i>Dendroica palmarum</i>
Common Yellowthroat	<i>Geothlypis trichas</i>
Eastern Towhee	<i>Pipilo erythrophthalmus</i>
American Tree Sparrow	<i>Spizella arborea</i>
Song Sparrow	<i>Melospiza melodia</i>
Swamp Sparrow	<i>Melospiza Georgiana</i>
Northern Cardinal	<i>Cardinalis cardinalis</i>
Indigo Bunting	<i>Passerina cyanea</i>
Red-winged Blackbird ^F	<i>Agelaius phoeniceus</i>
Common Grackle	<i>Quiscalus quiscula</i>

Table C-3 (cont'd)

**Bird Species Observed Within The Project Site And Study Area In May, July,
And September 2007**

Common Name	Scientific Name
Brown-headed Cowbird	<i>Molothrus ater</i>
Baltimore Oriole	<i>Icterus galbula</i>
House Finch	<i>Carpodacus mexicanus</i>
American Goldfinch	<i>Carduelis tristis</i>
House Sparrow	<i>Passer domesticus</i>
<p>Notes: + = observed in Hendrix Creek, * = observed in waterways within the study area, ^F = observed flying over the Project Site</p> <p>This list includes species likely to occur throughout the year at the Project Site, and adjacent Hendrix Creek, Spring Creek, Ralph Creek, and Old Mill Creek.</p> <p>Sources: Sources: Veit et al. 2002, 2007 Field surveys</p>	

Table C-4

**Mammals Observed Within the Jamaica Bay Region with the Potential to Occur
Within the Project Site**

Common Name	Scientific Name	Observed Within Project Site
Virginia opossum	<i>Didelphis virginiana</i>	1996 FEIS only
Little brown myotis	<i>Myotis lucifugus</i>	n/a
Silver-haired bat	<i>Lasionycteris noctivagans</i>	n/a
Red bat	<i>Lasiurus borealis</i>	n/a
Hoary bat	<i>Lasiurus cinereus</i>	n/a
Eastern cottontail	<i>Sylvilagus floridanus</i>	1996 FEIS, 2007 field surveys
Black-tailed jackrabbit	<i>Lepus californicus</i>	n/a
Gray squirrel	<i>Sciurus carolinensis</i>	1996 FEIS, 2007 field surveys
Muskrat	<i>Ondatra zibethicus</i>	1996 FEIS, 2007 field surveys
Meadow vole	<i>Microtus pennsylvanicus</i>	1996 FEIS, 2007 field surveys
White-footed mouse	<i>Peromyscus leucopus</i>	1996 FEIS only
Norway rat	<i>Rattus norvegicus</i>	1996 FEIS only
House mouse	<i>Mus musculus</i>	1996 FEIS, 2007 field surveys
Raccoon	<i>Procyon lotor</i>	1996 FEIS only
Mink	<i>Mustela vison</i>	n/a
Eastern chipmunk	<i>Tamias striatus</i>	n/a
Masked shrew	<i>Sorex cinereus</i>	n/a
Feral dog	<i>Canis lupus familiaris</i>	1996 FEIS, 2007 field surveys
Feral cat	<i>Felis silvestris catus</i>	1996 FEIS, 2007 field surveys
Notes: Field surveys conducted in May, July and September 2007		
Sources: AKRF 1996, Cook 1989a		

Table C-5

**Reptiles and Amphibians of the Jamaica Bay Region with the Potential to Occur
Within the Project Site**

Common Name	Scientific Name	Observed Within Project Site
Reptiles		
Box turtle	<i>Terrapene c. carolina</i>	n/a
Brown snake	<i>Storeria d. dekayi</i>	1996 FEIS only
Garter snake	<i>Thamnophis s. sirtalis</i>	1996 FEIS, 2007 field surveys
Black racer	<i>Coluber c. constrictor</i>	n/a
Milk snake	<i>Lampropeltis t. triangulum</i>	n/a
Amphibians		
Fowler's toad	<i>Bufo woodhousei fowleri</i>	1996 FEIS only
Notes: Field surveys conducted May, July and September 2007		
Sources: AKRF 1996, NYSDEC (1999), Cook 1989b, Cook and Pinnock 1987		

Table C-6
Insect Orders With the Potential to Occur Within the Project Site

Order	Example(s)	Average Size (Length)	North American species	Observed in 2007
Anoplura	Sucking lice	0.25"	62	
Coleoptera	Beetles	(lg. tropical s p.)	30,000	X
Collembola	Springtails (wingless)	0.06"-0.25"	315	
Dermaptera	Earwigs (some sp. wingless)	0.75"-1.4"	20	X
Diptera	Flies, mosquitoes	0.1"-0.7"	17,130	X
Diplura	Two-pronged bristletail (wingless, blind)	<0.25"	25	
Hemiptera	True bugs	0.3"-0.8"	4,500	X
Homoptera	Aphids, leaf hoppers, cicadas	0.25"-1.5"	6,700	X
Hymenoptera	Bees, wasps, ants	0.5"-1.0"	17,300	X
Isoptera	Termites (winged and wingless)	0.2"-1.0"	41	
Lepidoptera	Butterflies, moths	0.4"-10.6" (wingspan)	11,000	X
Mallophaga	Chewing lice, bird lice	0.05-0.12"	318	
Mecoptera	Scorpionflies, earwigflies	0.6"-1.0"	85	
Microcoryphia	Jumping bristletails (wingless)	0.6"	25	
Megaloptera	Antlions, lacewings, dobsonflies	0.4"-2.75"	338	
Odonata	Dragonflies, damselflies	0.75"-5.0"	450	X
Orthoptera	Roaches, grasshoppers, crickets, mantids	1.5"	1,000	X
Plecoptera	Stone flies	1.0"-3.0"	400	
Psocoptera	Book lice, bark lice	0.04"-0.12"	150	
Siphonaptera	Fleas (wingless)	<0.25"	250	
Strepsiptera	Minute, beetle-like (only males have wings)	0.13"	60	X
Thysanoptera	Thrips (winged and wingless)	0.5 mm-0.13"	606	X
Thysanura	Bristletails, silverfish (wingless)	0.5"	40	
Trichoptera	Caddis flies	0.4"-0.8"	1,200	
Sources: Milne and Milne 1980; Swan and Papp 1972.				

Table C-7

**Phytoplankton With the Potential to Occur within Jamaica Bay,
Hendrix Creek and Spring Creek**

Scientific Name	Scientific Name
Diatoms	Chrysophytes
<i>Ceratulina bergonii</i>	<i>Olisthodiscus luteus</i>
<i>Chaetoceros danicus</i>	Cryptophytes
<i>Chaetoceros simplex</i>	<i>Chroomonas amphioxia</i>
<i>Chaetoceros sp.</i>	<i>Chroomonas minuta</i>
<i>Cylindrotheca closterium</i>	<i>Hemiselmis sp.</i>
<i>Hemiaulus membranaceus</i>	Prasinophytes
<i>Leptocylindrus minimus</i>	<i>Pyraminonas sp.</i>
<i>Minutocellus polymorphus</i>	Euglenophytes
<i>Rhizosolenia delicatula</i>	<i>Eutreptia sp.</i>
<i>Skeletonema costatum</i>	Haptophyceae
<i>Skeletonema menzili</i>	<i>Phaeocystis sp.</i>
<i>Thalassiosira pseudonana</i>	Cyanobacteria
<i>Thalassiosira sp.</i>	<i>Synechococcus sp.</i>
Dinoflagellates	Miscellaneous
<i>Gyrodinium aureolum</i>	Unidentified flagellates
<i>Gyrodinium esturiale</i>	
<i>Heterocapsa triquetra</i>	
<i>Katodinium rotundatum</i>	
<i>Peridinium sp.</i>	
<i>Prorocentrum minimum</i>	
<i>Prorocentrum redfieldii</i>	
Notes: Collected August and October 1986, Paerdegat Basin, Jamaica Bay, NY	
Sources: AKRF (1993)	

Table C-8
Benthic Invertebrates Known to Occur within Jamaica Bay

Scientific Name	Scientific Name
Hemichordata	Oligochaeta
<i>Saccoglossus kowalewskii</i>	<i>Peloscoclex gabriellae</i>
Nemertea	<i>Peloscoclex benedini</i>
<i>Cerabratulus lacteus</i>	Copepoda
<i>Lineus ruber</i>	<i>Alteutha depressa</i>
Nematoda	Cirripedia
Unidentified species	<i>Balanus improvisus</i>
Mollusca	Ostracoda
<i>Bittium altermatum</i>	Unidentified species
<i>Littorina littoria</i>	Isopoda
<i>Littorina saxatilis</i>	<i>Edotea triloba</i>
<i>Nassarius obsoletus</i>	<i>Jaera marina</i>
<i>Urosalpinx cinerea</i>	Amphipoda
<i>Mercenaria mercenaria</i>	<i>Psammonyx nobilis</i>
<i>Modiolus demissus</i>	<i>Ampelisica abdita</i>
<i>Mytilus edulis</i>	<i>Unciola irrorata</i>
<i>Mya arenaria</i>	<i>Corophium acherusicum</i>
<i>Tellina sp.</i>	<i>Corophium insidiosum</i>
<i>Polychaeta</i>	<i>Caprella linearis</i>
<i>Tharyx acutus</i>	<i>Hyale plumosa</i>
<i>Drilonereis longa</i>	<i>Hyalella azteca</i>
<i>Fabricia sabella</i>	<i>Gammarus sp.</i>
<i>Glycera americana</i>	<i>Melita nitida</i>
<i>Glycera dibranchiata</i>	Decapoda
<i>Eteone heteropoda</i>	<i>Neopanopeus sani</i>
<i>Heteromastus filiformis</i>	<i>Eurypanopeus depressus</i>
<i>Nereis arenaceodonta</i>	Insecta
<i>Nereis succinea</i>	<i>Anurida maritima</i>
<i>Phyllodoce maculata</i>	Chironomidae
<i>Polydora ligni</i>	
<i>Scolecoclepidus viridis</i>	
<i>Spio sp.</i>	
<i>Streblospio benedicti</i>	
<i>Pectinaria gouldi</i>	
<i>Travisia carnea</i>	
<i>Arabella iricolor</i>	
Sources: AKRF (1993), Franz and Harris (1988)	

Table C-9
Finfish known to occur in Jamaica Bay

Common Name	Scientific Name
Most commonly occurring finfish	
Scup	<i>Stenotomus chrysops</i>
Bluefish	<i>Pomatomus saltatrix</i>
Atlantic silverside	<i>Menidia menidia</i>
Winter flounder	<i>Pseudopleuronectes americanus</i>
Windowpane	<i>Scophthalmus aquosus</i>
Blackfish or Tautog	<i>Tautoga onitis</i>
Weakfish	<i>Cynoscion regalis</i>
Mummichog	<i>Fundulus heteroclitus</i>
Comprehensive list of finfish	
Sand tiger	<i>Odontaspis taurus</i>
Smooth dogfish	<i>Mustelis canis</i>
Spiny dogfish	<i>Squalus acanthias</i>
Little skate	<i>Raja erinacea</i>
Clearnose skate	<i>Raja eglanteria</i>
Cownose ray	<i>Rhinoptera bonasus</i>
Atlantic sturgeon	<i>Acipenser oxyrinchus</i>
American eel	<i>Anguilla rostrata</i>
Conger eel	<i>Conger oceanicus</i>
Blueback herring	<i>Alosa aestivalis</i>
Alewife	<i>Alosa pseudoharengus</i>
American shad	<i>Alosa sapidissima</i>
Atlantic menhaden (bunker)	<i>Brevoortia tyrannus</i>
Atlantic herring	<i>Clupea harengus</i>
Bay anchovy	<i>Anchoa mitchilli</i>
Inshore lizardfish	<i>Synodus foetens</i>
Oyster toadfish	<i>Opsanus tau</i>
Atlantic cod	<i>Gadus morhua</i>
Atlantic tomcod	<i>Microgadus tomcod</i>
Silver hake	<i>Merluccius bilinearis</i>
Red hake (squirrel hake)	<i>Urophycis chuss</i>
Spotted hake	<i>Urophycis regia</i>
White hake	<i>Urophycis tenuis</i>
Halfbeak	<i>Hyporhamphus unifasciatus</i>
Atlantic needlefish	<i>Strongylura marina</i>
Mummichog	<i>Fundulus heteroclitus</i>
Banded killifish	<i>Fundulus diaphanus</i>
Striped killifish	<i>Fundulus majalis</i>
Spotfin killifish	<i>Fundulus luciae</i>

Table C-9 (cont'd)
Finfish known to occur in Jamaica Bay

Common Name	Scientific Name
Inland silverside	<i>Menidia beryllina</i>
Atlantic silverside	<i>Menidia menidia</i>
Bluespotted cornetfish	<i>Fistularia tabacaria</i>
Fourspine stickleback	<i>Apeltes quadracus</i>
Threespine stickleback	<i>Gasterosteus aculeatus</i>
Lined seahorse	<i>Hippocampus erectus</i>
Northern pipefish	<i>Syngnathus fuscus</i>
White perch	<i>Morone americana</i>
Striped bass	<i>Morone saxatilis</i>
Black sea bass	<i>Centropristis striata</i>
Bigeye	<i>Priacanthus arenatus</i>
Short bigeye	<i>Pristigenys alta</i>
Bluefish	<i>Pomatomus saltatrix</i>
Cobi	<i>Rachycentron canadum</i>
African pompano (threadfin)	<i>Alectis ciliaris</i>
Yellow jack	<i>Caranx bartholomaei</i>
Crevalle jack	<i>Caranx hippos</i>
Bigeye scad	<i>Selar crumenophthalmus</i>
Lookdown	<i>Selene vomer</i>
Scup (porgy)	<i>Stenotomus chrysops</i>
Northern kingfish	<i>Menticirrhus saxatilis</i>
Spot (lafayette)	<i>Leiostomus xanthurus</i>
Weakfish	<i>Cynoscion regalis</i>
Spotfin butterflyfish	<i>Chaetodon ocellatus</i>
Tautog (blackfish)	<i>Tautoga onitis</i>
Cunner (bergall)	<i>Tautoglabrus adspersus</i>
Striped mullet	<i>Mugil cephalus</i>
White mullet	<i>Mugil curema</i>
Northern sennett	<i>Sphyraena borealis</i>
Northern stargazer	<i>Astroscopus guttatus</i>
Rock gunnel	<i>Pholis gunnellus</i>
Ocean pout	<i>Macrozoarces americanus</i>
American sand lance	<i>Amodytes hexapterus</i>
Naked goby	<i>Gobiosoma bosci</i>
Seaboard goby	<i>Gobiosoma ginsburgi</i>
Butterfish	<i>Peprilus triacanthus</i>
Northern searobin	<i>Prionotus carolinus</i>
Striped searobin	<i>Prionotus evolans</i>

Table C-9 (cont'd)
Finfish known to occur in Jamaica Bay

Common Name	Scientific Name
Grubby (sculpin)	<i>Myoxocephalus aeneus</i>
Longhorn sculpin	<i>M. octodecimspinosus</i>
Summer flounder (fluke)	<i>paralichthys dentatus</i>
Fourspot flounder	<i>Paralichthys oblongus</i>
Gulf stream flounder	<i>Citharichthys arctifrons</i>
Smallmouth flounder	<i>Etropus microstomus</i>
Windowpane	<i>Scophthalmus aquosus</i>
Winter flounder	<i>Pseudopleuronectes amer.</i>
Hogchoker	<i>Trinectes maculatus</i>
Orange filefish	<i>Aluterus schoepfi</i>
Planehead filefish	<i>Monacanthus hispidus</i>
Smooth trunkfish	<i>Lactophrys triqueter</i>
Northern puffer	<i>Sphoeroides maculatus</i>
Striped burrfish	<i>Chilomycterus schoepfi</i>
Sources: Reipe et al. (undated)	

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