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|---|--|---|---|------------------|----------------------|---|---|---|---|--|---|--------------------|---|--------------------|---|
| <i>Bonnemaisonia hamifera</i> | Hariot, 1891 | <i>Bonnemaisonia hamifera</i> , <i>Trilliella intricata</i> , <i>Trilliella intricata</i> | Bonnemaison's Hook Weed | NHMSYS0021059732 | | | | | | | Y | Monitoring: medium | Moderate | | |
| <i>Bonnemaisonia hamifera</i> f. <i>sporophyte</i> | Hariot, 1891 | | | NHMSYS0021196551 | | | | | | | | Monitoring: medium | | | |
| <i>Bonnemaisonia hamifera</i> f. <i>tetrasporophyte</i> | Hariot, 1891 | | | NHMSYS0021196557 | | | | | | | | Monitoring: medium | | | |
| <i>Botryocladia wrightii</i> | (Harvey) W.E.Schmidt, D.L.Ballantine & Fredericq, 2017 | <i>Chrysomenia wrightii</i> , <i>Chrysomenia wrightii</i> | | NHMSYS0021587697 | | | | | | | Y | | Unknown | | |
| <i>Branchiura sowerbyi</i> | Beddard, 1892 | <i>Branchiura sowerbyi</i> | | NHMSYS0020461052 | | | | | | | | | Unknown | | |
| <i>Branta canadensis</i> | (Linnaeus, 1758) | | Canada Goose, Greater Canada Goose | NBNSYS000000009 | | | | | Y | | | | | | |
| <i>Branta leucopsis</i> | (Bechstein, 1803) | <i>Branta leucopsis</i> , <i>Branta leucopsis</i> (Greenland), <i>Branta leucopsis</i> (naturalised), <i>Branta leucopsis</i> (Svalbard) | Barnacle Goose, Greenland barnacle goose, Naturalised barnacle goose, Svalbard barnacle goose | NBNSYS0000000214 | | | | | Y | | | | | | |
| <i>Bubo bubo</i> | (Linnaeus, 1758) | <i>Bubo bubo</i> , <i>Bubo maximus</i> | Eurasian Eagle-Owl, Eagle Owl, Eurasian Eagle Owl | NHMSYS0000532935 | | | | | Y | | | | | | |
| <i>Buddleja davidii</i> | Franch. | <i>Buddleja davidii</i> | Butterfly-bush, Buddleia, Butterfly-Bush | NHMSYS0000456713 | | | | Y | | | | | | | |
| <i>Cabomba caroliniana</i> | A. Gray | <i>Cabomba caroliniana</i> | Carolina Water-shield, Carolina Water Shield | NHMSYS0000456744 | Prevention | Y | Y | | | | | Y | Freshwater plant contingency plan | Moderate | |
| <i>Caecidotea communis</i> | (Say, 1818) | <i>Asellus communis</i> , <i>Asellus communis</i> | | NHMSYS0020302559 | | | | | | | | | | Unknown | |
| <i>Callosciurus erythraeus</i> | Pallas, 1779 | | Pallas's Squirrel | NHMSYS0021177633 | | Y | Y | | | | | | Terrestrial vertebrate contingency plan | | |
| <i>Capra hircus</i> | Linnaeus, 1758 | <i>Capra domestic</i> | Feral Goat, Domestic Goat | NHMSYS0000080201 | | | Y | | | | | | | | |
| <i>Caprella mutica</i> | Schurin, 1935 | <i>Caprella mutica</i> | Japanese Skeleton Shrimp | NHMSYS0020545704 | | | | | | | Y | Monitoring: medium | Moderate | | |
| <i>Carassius auratus</i> | (Linnaeus, 1758) | <i>Carassius auratus</i> | Goldfish | NHMSYS0000544632 | | | | | | | | | | High | |
| <i>Cardiospermum grandiflorum</i> | Sw. | | | NHMSYS0021239042 | | Y | Y | | | | | | | | |
| <i>Carpobrotus edulis</i> | (L.) N.E. Br. | <i>Carpobrotus acinaciformis</i> , <i>Carpobrotus aequilaterus</i> , <i>Carpobrotus edulis</i> , <i>Carpobrotus edulis</i> var. <i>chrysophthalmus</i> , <i>Carpobrotus edulis</i> var. <i>chrysophthalmus</i> , <i>Mesembryanthemum edule</i> | Hottentot-fig, Hottentot-Fig, Hottentot-Fig, Kaffir Fig | NHMSYS0000456945 | Management | | | Y | Y | | | | | | |
| <i>Caulacanthus okamurae</i> | Yamada, 1933 | | Pom-pom weed | NHMSYS0021060121 | | | | | | | Y | | | | |
| <i>Caulerpa racemosa</i> | (Forsk.) J.Agardh, 1873 | <i>Caulerpa racemosa</i> | | NHMSYS0021059168 | | | | | | | Y | | | | |
| <i>Caulerpa taxifolia</i> | (M.Vahl) C.Agardh, 1817 | <i>Caulerpa taxifolia</i> | | NHMSYS0021059169 | | | | | | | Y | | | | |
| <i>Celtodoryx ciocalyptoides</i> | (Burton, 1935) | | | NHMSYS0021057356 | | | | Y | | | | Y | Marine contingency plan | Surveillance: high | Y |
| <i>Cenchrus setaceus</i> | (Forsk.) Morrone | <i>Pennisetum setaceum</i> | Crimson Fountaingrass | NHMSYS0021196581 | | Y | Y | | | | | | | | |
| <i>Cephalothrix simula</i> | Iwata, 1952 | | | NHMSYS0021232259 | | | | | | | Y | | | | |
| <i>Cercopagis pengoi</i> | (Ostoumov, 1891) | | Fishhook Waterflea | NHMSYS0021177317 | | | | | | | | | | Y | |
| <i>Cervus nippon</i> | Temminck, 1838 | <i>Sika</i> , <i>Sika nippon</i> | Sika Deer | NBNSYS0000005144 | Management | | | Y | Y | | | | | | |
| <i>Chelicorophium curvispinum</i> | (G.O. Sars, 1895) | <i>Chelicorophium curvispinum</i> , <i>Corophium curvispinum</i> | | NHMSYS0020936787 | | | | | | | | | | Unknown | |
| <i>Chrysolophus amherstiae</i> | (Leadbeater, 1829) | <i>Chrysolophus amherstiae</i> | Lady Amherst's Pheasant | NHMSYS0000530283 | | | | | Y | | | | | | |
| <i>Chrysolophus pictus</i> | (Linnaeus, 1758) | <i>Chrysolophus pictus</i> | Golden Pheasant | NHMSYS0000530284 | | | | | Y | | | | | | |
| <i>Ciona savignyi</i> | Herdman, 1882 | | | NHMSYS0021587702 | | | | | | | Y | | | | |
| <i>Claytonia sibirica</i> | L. | <i>Claytonia alsinoides</i> , <i>Montia sibirica</i> | Pink Purslane | NBNSYS0000003080 | | | | | | | | | | Low | |
| <i>Clymenella torquata</i> | (Leidy, 1855) | | | NBNSYS0000174640 | | | | | | | | | | Low | |
| <i>Codium fragile</i> | (Suringar) Hariot, 1889 | <i>Codium fragile</i> | | NHMSYS0021059179 | | | | | | | Y | | | | |
| <i>Codium fragile</i> subsp. <i>atlanticum</i> | (A.D. Cotton) P.C. Silva | <i>Codium fragile atlanticum</i> , <i>Codium fragile</i> spp. <i>atlanticum</i> , <i>Codium fragile</i> subsp. <i>atlanticum</i> , <i>Codium fragile</i> var. <i>atlanticum</i> | | NHMSYS0000567898 | | | | | | | | | | Unknown | |
| <i>Codium fragile</i> subsp. <i>fragile</i> | (Suringar) Hariot, 1889 | <i>Codium fragile fragile</i> , <i>Codium fragile</i> spp. <i>tomentosoides</i> , <i>Codium fragile</i> subsp. <i>tomentosoides</i> , <i>Codium fragile</i> subsp. <i>tomentosoides</i> , <i>Codium fragile</i> subsp. <i>tomentosoides</i> , <i>Codium fragile</i> subsp. <i>tomentosoides</i> , <i>Codium fragile</i> var. <i>fragile</i> | Green Sea Fingers, Green sea-fingers | NHMSYS0020954908 | | | | | | | Y | | | Unknown | |
| <i>Colpomenia peregrina</i> | Sauvageau, 1927 | <i>Colpomenia peregrina</i> , <i>Colpomenia peregrina</i> , <i>Colpomenia sinuosa</i> | Oyster Thief, Oyster thief | NHMSYS0021058697 | | | | | | | | | | Unknown | |
| <i>Corbicula fluminalis</i> | Müller, 1774 | | | NHMSYS0021179655 | | | | Y | | | | | Freshwater animal contingency plan | | Y |
| <i>Corbicula fluminea</i> | (O. F. Müller, 1774) | <i>Corbicula fluminea</i> | | NHMSYS0020528151 | Management | | | Y | | | | | | High | |
| <i>Cordylophora caspia</i> | (Pallas, 1771) | <i>Cordylophora caspia</i> , <i>Cordylophora lacustris</i> | | NHMSYS0021053805 | | | | | | | | | | Unknown | |
| <i>Corella eumyota</i> | Trausted, 1882 | | | NHMSYS0020328872 | | | | | | | Y | | | | |
| <i>Cortaderia jubata</i> | (Lem.) Stapf | | | NHMSYS0021239048 | | | Y | Y | | | | | Terrestrial plant contingency plan | | |
| <i>Corvus splendens</i> | Vieillot, 1817 | | House Crow | NHMSYS0021109654 | | | Y | Y | | | | | Terrestrial vertebrate contingency plan | | |
| <i>Coscinodiscus wailesii</i> | Gran & Angst, 1931 | <i>Coscinodiscus wailesii</i> , <i>Coscinodiscus wailesii</i> | | NHMSYS0021058175 | | | | | | | | | | Unknown | |
| <i>Cotoneaster bullatus</i> | Bois | | Hollyberry Cotoneaster | NBNSYS0000004710 | Long-term management | | | Y | Y | | | | | | |
| <i>Cotoneaster horizontalis</i> | Decne. | <i>Cotoneaster horizontalis</i> , <i>Cotoneaster horizontalis</i> | Wall Cotoneaster, Wallspray | NHMSYS0000457587 | Long-term management | | | Y | Y | | | | | | |
| <i>Cotoneaster integrifolius</i> | (Roxb.) G. Klotz | <i>Cotoneaster integrifolius</i> , <i>Cotoneaster microphyllus</i> , <i>Cotoneaster microphyllus</i> , <i>Cotoneaster thymifolius</i> , <i>Crataegus integrifolia</i> | Entire-leaved Cotoneaster, Rockspray | NHMSYS0000457600 | Long-term management | | | Y | Y | | | | | | |
| <i>Cotoneaster microphyllus</i> s. str. | | | | NHMSYS0021109657 | Long-term management | | | Y | Y | | | | | | |
| <i>Cotoneaster simonsii</i> | Baker | | Himalayan Cotoneaster, Khasia Berry | NBNSYS0000003424 | Long-term management | | | Y | Y | | | | | | |
| <i>Crangonyx pseudogracilis</i> | Bousfield, 1963 | | | NHMSYS0021199938 | | | | | | | | | | Low | |
| <i>Craspedacusta sowerbii</i> | Lankester, 1880 | <i>Craspedacusta sowerbii</i> , <i>Craspedacusta sowerbyi</i> | | NHMSYS0021053976 | | | | | | | | | | Unknown | |
| <i>Crassula helmsii</i> | (Kirk) Cockayne | <i>Crassula recurva</i> , <i>Tillaea helmsii</i> , <i>Tillaea recurva</i> , <i>Tillaea recurva</i> | New Zealand Pigmyweed, New Zealand Pigmyweed | NBNSYS0000004639 | Long-term management | | | Y | Y | | | | | High | |
| <i>Crepidula fornicata</i> | (Linnaeus, 1758) | | American Slipper Limpet, Slipper limpet | NBNSYS0000174750 | | | | Y | Y | | Y | Monitoring: high | High | | |

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|---|---|---|--|------------------|----------------------|---|---|---|---|---|---|------------------------------------|---|--------------------|--------------------|------|
| <i>Gonionemus vertens</i> | A. Agassiz, 1862 | <i>Gonionemus vertens, Gonionemus vertens</i> | | NHMSYS0020475530 | | | | | | | | | Low | | | |
| <i>Grateloupa doryphora</i> | (Montagne) M.A.Howe, 1914 | <i>Grateloupa doryphora, Grateloupa lanceola, Halymenia doryphora, Halymenia lanceola</i> | | NHMSYS0021060236 | | | | | | | | | Unknown | | | |
| <i>Grateloupa subpectinata</i> | Holmes, 1912 | <i>Grateloupa flicina subsp. luxurians, Grateloupa luxurians, Grateloupa luxurians, Grateloupa subpectinata</i> | | NHMSYS0021060240 | | | Y | | | | | | Unknown | | | |
| <i>Grateloupa turuturu</i> | Yamada, 1941 | <i>Grateloupa turuturu</i> | | NHMSYS0021060242 | | | | | | | Y | Monitoring: high | | | | |
| <i>Gunnera manicata</i> | Linden ex André | <i>Gunnera manicata, Gunnera manicata</i> | Brazilian Giant-rhubarb, Brazilian Giant Rhubarb | NHMSYS0000459162 | | | | | | | | | High | | | |
| <i>Gunnera tinctoria</i> | (Molina) Mirb. | <i>Gunnera chilensis, Gunnera tinctoria, Gunnera tinctoria, Panke tinctoria</i> | Giant-rhubarb, Giant Rhubarb | NHMSYS0000459164 | | Y | Y | | | | | | High | | | |
| <i>Gymnocoronis spilanthoides</i> | (D.Don ex Hook. & Arn.) DC. | | | NHMSYS0021239060 | | Y | Y | | | | | Terrestrial plant contingency plan | | | | |
| <i>Gyrodactylus salaris</i> | Malmberg, 1957 | | | NHMSYS0021117945 | | | Y | | | | | | | | | |
| <i>Hemigrapsus sanguineus</i> | (De Haan, 1835) | | Asian Shore Crab | NHMSYS0020955056 | | | Y | | | | | Marine contingency plan | Y | Surveillance: high | High | |
| <i>Hemigrapsus takanoi</i> | Asakura & Watanabe, 2005 | | | NHMSYS0001697250 | | | | Y | | | | Marine contingency plan | Y | Surveillance: high | High | |
| <i>Hemimysis anomala</i> | G.O. Sars, 1907 | <i>Hemimysis anomala</i> | | NHMSYS0021050694 | | | | | | | | | | High | | |
| <i>Heracleum mantegazzianum</i> | Sommier & Levier | | Giant Hogweed | NBNSYS0000003711 | Long-term management | Y | Y | | | | | | | High | | |
| <i>Heracleum persicum</i> | Desf. ex Fischer | | Persian Hogweed | NBNSYS0000003712 | | | Y | Y | | | | | Terrestrial plant contingency plan | | | |
| <i>Heracleum sosnowskyi</i> | Manden. | | Sosnowsky's Hogweed | NHMSYS0021177470 | | | Y | Y | | | | | Terrestrial plant contingency plan | | | |
| <i>Herpestes javanicus</i> | (É. Geoffroy Saint-Hilaire, 1818) | | Small Asian Mongoose | NHMSYS0021177367 | | | Y | Y | | | | | Terrestrial vertebrate contingency plan | | | |
| <i>Hesperibalanus fallax</i> | (Broch, 1927) | <i>Solidobalanus fallax, Solidobalanus fallax</i> | | NHMSYS0021052687 | | | | | | | Y | | Surveillance: high | | | |
| <i>Heterosigma akashiwo</i> | (Y.Hada) Y.Hada ex Y.Hara & M.Chihara, 1987 | <i>Heterosigma akashiwo</i> | | NHMSYS0021058816 | | | | | | | Y | | | | | |
| <i>Hippophae rhamnoides</i> | L. | <i>Hippophae rhamnoides, Hippophae rhamnoides</i> | Sea-buckthorn, Sea Buckthorn, Sea-Buckthorn | NBNSYS0000003533 | Long-term management | | | Y | | | | | | | | |
| <i>Homarus americanus</i> | H. Milne Edwards, 1837 | <i>Homarus americanus</i> | American Lobster | NHMSYS0021049553 | | | | Y | | | | Marine contingency plan | Y | Y | Surveillance: high | High |
| <i>Humulus scandens</i> | (Lour.) Merr. | <i>Humulus japonicus</i> | Japanese Hop | NHMSYS0021239066 | | Y | Y | | | | | Terrestrial plant contingency plan | | | | |
| <i>Hyacinthoides hispanica</i> | (Mill.) Rothm. | <i>Endymion hispanica, Endymion hispanicus, Hyacinthoides hispanica, Hyacinthoides non-scripta subsp. hispanica, Scilla hispanica, Scilla non-scripta subsp. hispanica</i> | Spanish Bluebell, Garden Bluebell | NHMSYS0000459784 | | | | Y | | | | | | | | |
| <i>Hydrocotyle ranunculoides</i> | L. f. | <i>Hydrocotyle ranunculoides, Hydrocotyle ranunculoides</i> | Floating Pennywort | NHMSYS0000459812 | Management | Y | Y | | | | | | | High | | |
| <i>Hydrocotyle sibthorpioides</i> | Lam. | | | NBNSYS0200003877 | | | | | | | | | | | Y | |
| <i>Hydroides dianthus</i> | (Verrill, 1873) | | | NBNSYS0000182918 | | | | | | | | | | Unknown | | |
| <i>Hydroides ezoensis</i> | Okuda, 1934 | <i>Hydroides ezoensis</i> | | NHMSYS0021048539 | | | | | | | | | | Unknown | | |
| <i>Hydropotes inermis</i> | Swinhoe, 1870 | | Chinese Water Deer, Water Deer | NBNSYS0000005148 | | | | Y | | | | | | | | |
| <i>Hyla arborea</i> | (Linnaeus, 1758) | <i>Hyla arborea</i> | Common Tree Frog | NHMSYS0000080165 | | | | Y | | | | | | | | |
| <i>Hypania invalida</i> | (Grube, 1860) | <i>Hypania invalida</i> | | NHMSYS0021048729 | | | | | | | | | | Unknown | | |
| <i>Ichthyosaura alpestris</i> | (Laurenti, 1768) | <i>Mesotriton alpestris, Triturus alpestris, Triturus alpestris</i> | Alpine Newt | NHMSYS0020740241 | Management | | | Y | Y | | | | | | | |
| <i>Impatiens capensis</i> | Meerb. | <i>Impatiens biflora, Impatiens fulva</i> | Orange Balsam, Jewel-Weed | NBNSYS0000003187 | | | | | | | | | | Low | | |
| <i>Impatiens glandulifera</i> | Royle | <i>Impatiens roylei</i> | Himalayan Balsam, Indian Balsam, Policeman's Helmet | NBNSYS0000003189 | Long-term management | Y | Y | | | | | | | High | | |
| <i>Jaera (Jaera) istri</i> | Veuille, 1979 | <i>Jaera istri</i> | | NHMSYS0021050440 | | | | | | | | | | | Y | |
| <i>Juncus ensifolius</i> | Wikstr. | <i>Juncus ensifolius</i> | Sword-leaved Rush | NHMSYS0000459972 | | | | | | | | | | Unknown | | |
| <i>Kontikia andersoni</i> | Jones, 1981 | | | NBNSYS0000040819 | | | | | | Y | | | | | | |
| <i>Kontikia ventrolineata</i> | (Dendy, 1892) | | | NHMSYS0020503220 | | | | | | Y | | | | | | |
| <i>Lagarosiphon major</i> | (Ridl.) Moss ex V.A. Wager | <i>Elodea crispata, Elodea crispata, Lagarosiphon major, Lagarosiphon muscoides var. major</i> | Curly Waterweed | NHMSYS0000460065 | Long-term management | Y | Y | | | | | | | High | Y | |
| <i>Lamiastrum galeobdolon subsp. argentatum</i> | (Smejkal) Stace | <i>Galeobdolon argentatum, Lamiastrum argentatum, Lamium galeobdolon forma argentatum, Lamium galeobdolon subsp. argentatum, Lamium galeobdolon subsp. argentatum, Lamium galeobdolon subsp. argentatum</i> | | NBNSYS0000014838 | | | | | Y | | | | | | | |
| <i>Laminaria japonica</i> | J.E. Areschoug | <i>Laminaria japonica</i> | | NHMSYS0020703527 | | | | | | Y | | | | | | |
| <i>Lasius neglectus</i> | Van Loon, Boomsma & Andrasfalvy, 1990 | <i>Lasius (Lasius) neglectus</i> | | NHMSYS0020936582 | Prevention | | | | Y | | | | | | | |
| <i>Lathyrus latifolius</i> | L. | | Broad-leaved Everlasting-pea, Broad-Leaved Everlasting-Pea, Garden Everlasting Pea | NBNSYS0000003305 | | | | | Y | | | | | | | |
| <i>Lemma minuta</i> | Kunth | <i>Lemma minuscula, Lemma minuscula, Lemma valdiviana</i> | Least Duckweed | NBNSYS0000004649 | | | | | | | | | | Moderate | | |
| <i>Lepomis gibbosus</i> | (Linnaeus, 1758) | <i>Lepomis gibbosus</i> | Pumpkinseed, Pond-Perch, Pumpkinseed Sunfish, Sunfish | NHMSYS0000544687 | | Y | Y | Y | | | | Freshwater animal contingency plan | | Moderate | | |
| <i>Lespedeza cuneata</i> | (Dum.Cours.) G.Don | <i>Lespedeza juncea var. sericea</i> | | NHMSYS0021239078 | | Y | Y | | | | | Terrestrial plant contingency plan | | | | |
| <i>Leucaspis delineatus</i> | (Heckel, 1843) | <i>Leucaspis delineatus, Leucaspis delineatus</i> | Sunbleak, Belica, Motherless Minnow | NHMSYS0000544689 | | | | | | Y | | | | Unknown | | |
| <i>Leuciscus idus</i> | (Linnaeus, 1758) | <i>Leuciscus idus</i> | Orle, Ide | NHMSYS0000544694 | | | | | | | | | | Low | | |
| <i>Limnodrilus cervix</i> | Brinkhurst, 1963 | <i>Limnodrilus cervix</i> | | NHMSYS0021048479 | | | | | | | | | | Unknown | | |
| <i>Limnomysis benedeni</i> | | | | NHMSYS0000561571 | | | | | | | | | | | Y | |
| <i>Linepithema humile</i> | (Mayr, 1868) | <i>Indomyrmex humilis</i> | Argentine ant | NBNSYS0100003766 | | | | | Y | | | | | | | |
| <i>Lithobates catesbeianus</i> | (Shaw, 1802) | <i>Rana catesbeiana</i> | American Bullfrog, American Bull Frog | NHMSYS0020194859 | Prevention | Y | Y | | | | | Freshwater animal contingency plan | Y | | | |
| <i>Lophura nycthemera</i> | (Linnaeus, 1758) | <i>Lophura nycthemera</i> | Silver Pheasant | NHMSYS0000533543 | | | | | Y | | | | | | | |

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| <i>Prunus laurocerasus</i> | L. | | Cherry Laurel | NBNSYS0000003420 | Long-term management | | | Y | | | | |
| <i>Prunus serotina</i> | Ehrh. | | Rum Cherry | NBNSYS0000014213 | | | | Y | | | | |
| <i>Pseudochattonella verruculosa</i> | (Y.Hara & M.Chihara) S.Tanabe-Hosoi, D.Honda, S.Fukaya, Y.Inagaki & Y.Sako, 2007 | | | NHMSYS0021199411 | | | | | | Y | | |
| <i>Pseudodiaptomus marinus</i> | Sato, 1913 | | | NHMSYS0021587717 | | | | | | Y | | |
| <i>Pseudorasbora parva</i> | (Temminck and Schlegel, 1846) | <i>Pseudorasbora parva</i> | Topmouth Gudgeon | NHMSYS00000544730 | Management | Y | Y | | | Y | | High |
| <i>Psittacula krameri</i> | (Scopoli, 1769) | <i>Psittacula krameri</i> | Ring-necked Parakeet, Ring-necked Parakeet, Rose-ringed Parakeet | NHMSYS00000530792 | | | | | Y | | | |
| <i>Pueraria montana var. lobata</i> | (Willd.) Sanjappa & Pradeep | <i>Pueraria lobata</i> | Kudzu Vine, Kudzu | NHMSYS0021177458 | | Y | Y | | | | Terrestrial plant contingency plan | |
| <i>Rangia cuneata</i> | G.B Sowerby I, 1831 | | Gulf Wedge Clam, Atlantic Rangia | NHMSYS0021157599 | | | | | | | | High |
| <i>Rapana venosa</i> | (Valenciennes, 1846) | | | NHMSYS0020955240 | | | Y | | | | Marine contingency plan | Surveillance: high |
| <i>Rattus rattus</i> | (Linnaeus, 1758) | <i>Rattus rattus</i> | Black Rat, Ship Rat | NHMSYS0000080213 | | | | | Y | | | |
| <i>Rhithropanopeus harrisi</i> | (Gould, 1841) | <i>Rhithropanopeus harrisi</i> | | NBNSYS0000186554 | | | | | | | | Low |
| <i>Rhodeus amarus</i> | (Bloch, 1782) | <i>Rhodeus sericeus subsp. amarus</i> | Bitterling | NHMSYS0001692008 | | | | | | | | Unknown |
| <i>Rhodeus sericeus</i> | (Pallas, 1776) | <i>Rhodeus sericeus</i> | | NHMSYS00000544734 | | | | | | Y | | |
| <i>Rhododendron luteum</i> | Sweet | | Yellow Azalea, Yellow Rhodoea | NBNSYS0000003889 | | | | Y | Y | | | |
| <i>Rhododendron ponticum</i> | L. | <i>Rhododendron ponticum ponticum</i> | | NBNSYS0000003888 | Long-term management | | | Y | Y | | | High |
| <i>Rhododendron ponticum x Rhododendron maximum</i> | | | | NHMSYS0020744917 | Long-term management | | | | | Y | | High |
| <i>Rhopilema nomadica</i> | Gall, Spanier & Ferguson, 1990 | | | NHMSYS0021587727 | | | | | | | Y | |
| <i>Robinia pseudoacacia</i> | L. | | False-acacia, False Acacia, Locust | NBNSYS0000003265 | | | | Y | | | | |
| <i>Rosa rugosa</i> | Thunb. | <i>Rosa rugosa</i> | Japanese Rose | NHMSYS0000462477 | Long-term management | | | Y | Y | | | |
| <i>Ruditapes philippinarum</i> | (Adams & Reeve, 1850) | <i>Tapes (Ruditapes) philippinarum, Tapes philippinarum, Venerupis philippinarum</i> | Manila Clam | NHMSYS0020745807 | | | | | | | | Low |
| <i>Sagittaria latifolia</i> | Willd. | | Duck-potato, Duck Potato, Duck-Potato | NBNSYS0000002106 | | | | | | Y | | |
| <i>Salvelinus fontinalis</i> | (Mitchill, 1814) | <i>Salvelinus fontinalis</i> | Brook Charr, American Brook Trout, Brook Trout, Char, Speckled Charr | NHMSYS00000544752 | | | | | | | | Unknown |
| <i>Salvinia molesta</i> | Mitchell | | Giant Salvinia | NHMSYS0020744923 | | Y | Y | Y | | | Terrestrial plant contingency plan | |
| <i>Sander lucioperca</i> | (Linnaeus, 1758) | <i>Stizostedion lucioperca, Stizostedion lucioperca</i> | Zander, Pikeperch | NHMSYS00000544754 | | | | Y | Y | | | Moderate |
| <i>Sargassum muticum</i> | (Yendo) Fensholt, 1955 | <i>Sargassum muticum</i> | Wireweed, Japweed, Wireweed (non-native) | NHMSYS0021058667 | | | | | | Y | Monitoring: medium | Low |
| <i>Sarracenia purpurea</i> | L. | | Pitcherplant, Pitcher Plant | NBNSYS0000003923 | Prevention | | | | | | Y | |
| <i>Schizoporella errata</i> | (Waters, 1878) | | | NBNSYS0000186865 | | | | | | | | Y |
| <i>Schizoporella japonica</i> | Ortmann, 1890 | | | NHMSYS0021053022 | | | | | | | Y | Monitoring: medium |
| <i>Sciurus carolinensis</i> | Gmelin, 1788 | <i>Sciurus carolinensis</i> | Eastern Grey Squirrel, Grey Squirrel | NHMSYS00000332764 | Long-term management | Y | Y | | | | | |
| <i>Sciurus niger</i> | Linnaeus, 1758 | | Fox Squirrel | NHMSYS0021177645 | | Y | Y | | | | Terrestrial vertebrate contingency plan | |
| <i>Silurus glanis</i> | Linnaeus, 1758 | <i>Silurus glanis, Silurus glanis</i> | Wels Catfish, Catfish, Danube Catfish, Wels | NHMSYS00000544758 | | | | Y | Y | | | Low |
| <i>Smyrnium perfoliatum</i> | L. | | Perfoliate Alexanders | NBNSYS0000003653 | | | | | | Y | | |
| <i>Solieria chordalis</i> | (C.Agardh) J.Agardh, 1842 | <i>Solieria chordalis, Solieria chordalis</i> | | NHMSYS0021060213 | | | | | | | | Unknown |
| <i>Spartina anglica</i> | C.E. Hubb. | <i>Spartina anglica, Spartina townsendii, Spartina townsendii, Spartina x townsendii var. anglica, Spartina x townsendii var. anglica</i> | Common Cord-grass, Common Cord-Grass | NHMSYS00000463855 | | | | | | | | High |
| <i>Sphaerium transversum</i> | (Say, 1829) | <i>Musculium transversum, Sphaerium pallidum</i> | Oblong Orb Mussel | NBNSYS0000006789 | | | | | | | | Unknown |
| <i>Styela clava</i> | Herdman, 1881 | | Leathery Sea Squirt | NBNSYS0000178204 | | | | | | Y | Monitoring: medium | High |
| <i>Symaticus reevesii</i> | (Gray, JE, 1829) | <i>Symaticus reevesii</i> | Reeves's Pheasant | NHMSYS0000533791 | | | | | Y | | | |
| <i>Tadorna ferruginea</i> | (Pallas, 1764) | <i>Tadorna casarca, Tadorna ferruginea, Tadorna ferruginea, Tadorna rutila</i> | Ruddy Shelduck | NHMSYS00000530654 | | | | | Y | | | |
| <i>Tamias sibiricus</i> | (Laxmann, 1769) | | Siberian Chipmunk | NHMSYS0021109804 | Prevention | Y | Y | | | | Terrestrial vertebrate contingency plan | |
| <i>Teumatogeton japonicus</i> | Tokunaga, 1933 | | | NBNSYS0100005753 | | | | | | | Y | |
| <i>Thalassiosira tealata</i> | Takano, 1980 | <i>Thalassiosira tealata</i> | | NHMSYS0021058298 | | | | | | | | Unknown |
| <i>Thaumetopoea pityocampa</i> | ((Denis & Schiffermüller), 1775) | <i>Thaumetopoea pityocampa, Thaumetopoea pityocampa</i> | Pine Processionary | NHMSYS0021144336 | | | | | Y | | | |
| <i>Theora lubrica</i> | Gould, 1861 | | Window Shell | NHMSYS0021177787 | | | | | | | | Y |
| <i>Threskiornis aethiopicus</i> | (Latham, 1790) | <i>Threskiornis aethiopicus aethiopicus, Threskiornis aethiopicus aethiopicus, Threskiornis aethiopicus</i> | African Sacred Ibis, Sacred Ibis | NHMSYS00000534047 | Prevention | Y | Y | | | | Terrestrial vertebrate contingency plan | Y |
| <i>Trachelastes polycolpus</i> | von Nordmann, 1832 | <i>Trachelastes polycolpus</i> | | NHMSYS0001593915 | | | | | | | | Unknown |
| <i>Trachemys scripta</i> | (Schoepff, 1792) | <i>Chrysemys scripta</i> | Red-eared Terrapin, Pond Slider Terrapin | NHMSYS0000080227 | | | | Y | Y | | | |
| <i>Triadica sebifera</i> | (L.) Small | <i>Sapium sebiferum</i> | | NHMSYS0021239108 | | Y | Y | | | | Terrestrial plant contingency plan | |
| <i>Triturus cristifer</i> | (Laurenti, 1768) | <i>Triturus cristifer</i> | Italian Crested Newt, Italian Warty Newt | NHMSYS0000080155 | | | | | | Y | | |
| <i>Tsuga heterophylla</i> | (Raf.) Sarg. | <i>Abies heterophylla, Tsuga albertiana, Tsuga albertiana, Tsuga mertensiana</i> | Western Hemlock-spruce, Western Hemlock | NBNSYS0000004672 | | | | | Y | | | |
| <i>Typha laxmannii</i> | Lepech. | <i>Typha laxmannii</i> | | NHMSYS00000464691 | | | | | | | | Y |
| <i>Typha lugdunensis</i> | P. Chabert | <i>Typha gracilis</i> | | NHMSYS0021199254 | | | | | | | | Y |
| <i>Typha martini</i> | H.Lév. & Vaniot. | | | NHMSYS0021199242 | | | | | | | | Y |
| <i>Typha stenophylla</i> | Hauskn. ex Rohrb. | | | NHMSYS0021199236 | | | | | | | | Y |
| <i>Undaria pinnatifida</i> | (Harvey) Suringar, 1873 | <i>Undaria pinnatifida</i> | Wakame | NHMSYS0021058672 | | | | | | Y | | Monitoring: medium |
| <i>Urosalpinx cinerea</i> | (Say, 1822) | | American Sting Winkle | NBNSYS0000178578 | | | | Y | Y | | Marine contingency plan | Surveillance: high |
| <i>Vallisneria spiralis</i> | L. | | Tapegrass | NBNSYS0000002118 | | | | | | | | Low |
| <i>Vespa velutina</i> | Lepeletier, 1836 | | Asian Hornet | NHMSYS0020936646 | Prevention | Y | Y | | | | Y | |
| <i>Vinca difformis</i> | Pourr. | <i>Vinca difformis, Vinca major</i> | Intermediate Periwinkle | NHMSYS0000464871 | | | | | Y | | | |
| <i>Vinca major</i> | L. | <i>Vinca herbacea, Vinca major subsp. hirsuta, Vinca major subsp. hirsuta, Vinca major var. oxyloba</i> | Greater Periwinkle, Greater Periwinkle | NBNSYS0000003954 | | | | | | Y | | |
| <i>Vinca minor</i> | L. | | Lesser Periwinkle | NBNSYS0000003953 | | | | | Y | | | |
| <i>Watersipora subatra</i> | (Ortmann, 1890) | <i>Watersipora subtorquata</i> | | NHMSYS002118104 | | | | | | | Y | Monitoring: high |

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|----------------------------|------------------|---|---|------------------|------------|--|---|---|------------------------------------|--|--|--|--|--|
| <i>Xenopus laevis</i> | (Daudin, 1802) | <i>Xenopus laevis</i> | African Clawed Toad | NHMSYS0000080166 | Prevention | | Y | Y | Freshwater animal contingency plan | | | | | |
| <i>Zamenis longissimus</i> | (Laurenti, 1768) | <i>Elaphe longissima</i> , <i>Elaphe longissima</i> | Aesculapian Snake, Aesculapian Snake | NHMSYS0021109885 | Management | | Y | Y | | | | | | |