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Nys critical environmental area

skip to content | skip to navigation description of dataset name Topic Metadata Critical Environmental Area in New York State Revised: May 2020 This dataset contains areas that have been designated as Critical Environmental Areas (CEA) under 6 NYCRR Part 617 - State Environmental Quality Review (SEQR). Local agencies may designate specific geographical areas within their borders as a critical area of the environment (CEA). State agencies may also designate as CEA the geographical area they own, manage or regulate. In order to be designated as CEA, an area of exceptional or unique character which benefits or endangers human health, a natural environment (e.g. fish and wildlife habitats, forest and vegetation, open space and significant aesthetic or scenic quality), agricultural, social, cultural, historical, archaeological, recreational or educational values, or inherent ecological, geological or hydrological sensitivity which may be adversely affected by any change. Habitat Land Use/Land Cover Metadata Support Documentation Statement: This map was prepared by the New York Department of Environmental Protection using the most up-to-date available data. This is considered accurate, but is not guaranteed. NYS DEC is not responsible for any inaccuracies in the data. For further information on descriptions of legal boundaries, please contact the applicant authority. Contact: Kent Saunders NYSDEC Division of Environmental Permits 625 Broadway, 4th Floor Albany, New York 12233-1750 Phone: 518-402-9167 E-mail: Kent.Saunders@dec.ny.gov Contact Information: Barbara Cruden Division of Information Services 625 Broadway-Third Floor Albany, New York 12233-2750 PH: 518-402-9873 FAX: 518-402-9031 Mail Skip content | skip to navigation 60 Datasets Description of name 1. AA and AA Classified Catchments in New York State Data Set Details This data set provides an approximation of the boundaries of water bodies classified as AA and AA in Title 6 of the Official Compilation of New York State Codes, Rules, and Regulations (6NYCRR) Part 800 and Seq. This information must be used by the owner of a regulated construction activity to determine whether their project is eligible for coverage under the NYS Department of Environmental Protection's State Polluting Discharge Discharge System (SPDES) General Permit for discharge of rainwater from construction activity (see Section I.D.7. and 8th in GP-0-10-001). 2. Accessible Outdoor Recreation Destinations Data Set Details Accessible vacation locations throughout The State of New York that are owned, maintained or jointly managed by DEC. 3. Air monitoring data Details Revised: May 2017 This data set shows the location of each ambient air quality monitoring station currently operated by the Air Quality Surveillance Authority Department of Aviation Resources, New York Department of Environmental Protection. 4. Bear Range - New York State, 1990-1995 Data Set Details Boundaries of Bear Ranges in New York State. 5. Bird Conservation Areas Data Set Details This data set shows the location point of the bird protected areas. Bird protected areas are New York State lands that have been officially designated for their value for bird protection. 6. Breeding Bird Atlas (2000-2005) Data Set Details This data set shows the distribution of breeding bird species in New York State, as recorded in the 2000-2005 Bird Atlas breeding surveys. Breeding bird atlas is the presence / absence of exploration. While the record of the species in the block is very suggestive of its breeding presence there lack of record does not guarantee the absence of the species as a breeder in the block. Atlasers were directed to work in the block until 76 species were recorded; therefore, the list of species reported within the block was not intended to be complete. 7. Breeding Bird Atlas (2000-2005) Data Set Details show the distribution of breeding bird species in New York State, as recorded in the 2000-2005 Bird Atlas breeding surveys. Breeding bird atlas is the presence / absence of exploration. While the record of the species in the block is very suggestive of its breeding presence there lack of record does not guarantee the absence of the species as a breeder in the block. Atlasers were directed to work in the block until 76 species were recorded; therefore, the list of species reported within the block was not intended to be complete. 8. Places for bulk storage in New York State Data Set Details Point for: equipment for bulk storage of chemicals under the Law on bulk storage of hazardous substances, Article 40 ECL; A 6 NYCRR 595-599. major oil storage facility under Article 12 of the Navigation Act. Oil storage facilities registered under Title 10, Article 17. 9. Citizens Statewide Lake Assessment Program Data Set Details Data set represents lakes participating in the Citizen Statewide Lake Monitoring Assessment Program (CSLAP). CSLAP is a volunteer program for monitoring and educating the lake that is managed by DEC and the New York State Federation of Lake Associations (NYSFOLA). 10. Critical Environmental Areas in New York State Details of Data Set Revised: May 2020 This data set contains areas that have been identified as critical environmental areas (CEAs) under 6 NYCRR Part 617 – State Environmental Quality Review (SEQR). Local agencies may designate specific geographical areas within their borders as a critical area of the environment (CEA). State agencies may also designate as CEA the geographical area they own, manage or regulate. In order to be designated as CEA, an area must be of an exceptional or unique nature the benefit or threat to human health, the natural environment (e.g. fish and wildlife habitats, forest and vegetation, open spaces and areas of significant aesthetic or scenic quality), agricultural, social, cultural, historical, archaeological, recreational or educational values, or inherent ecological, geological or hydrological sensitivity which may be adversely affected by any change. 11. Dam DataSet Details Revised: March 2020 This data set is used to display the location of dams in the New York State dam inventory and lists the selected attributes of each dam. 12. DEC Lands and Campsites Data Set Details Lands under dec care, care and control, including areas of wildlife management, unique areas, state forests, forest reserves and dec-operated campsites. 13. DEC Body of Interest Data Set Details Revised: November 2019 Point data locating and differentiating assets on state land. Assets represented as point elements are man-made items that require regular maintenance or inspection. Examples include: custody, property, lean-to, parking, leanto, pit private, campsite, trail structure, parking lot, primitive place, fire tower, scenic view, picnic area, daily use area, and 14 others. DEC Roads and Trails Dataset Details Revised: November 2019 Data lines locating and distinguishing transportation corridors on DEC state lands. 15. DEC State Land Forest Stands Data Set Details Revised: November 2020 DEC State Lands Forest Stands Polygon data on forestry cover types defined by state foresters on dec. 16. Details of the Digital Elevation Model (DEM) dataset contain a series of elevation heights sorted from south to north in column order from west to east. 17. Discover GIS Data NY Data Set Details The New York Department of Environmental Protection obtained 9 inches of 9 inch paper prints of panchromatic aerial images from the U.S. Army Corps of Engineers for internal use and distribution to the general public. The photos cover parts of the coasts of Lakes Erie and Ontario and the Niagara and St. Lawrence rivers. The photograph was taken in 1978 and 1986 at a scale of 1:5000. DEC staff scanned most of the photos for 400 DPI. The rest of the photos are scheduled to be scanned. Digital images were compressed into MrSID images with an average size of 5.3 MB. These images are available for download from nys gis clearinghouse ftp servers. The photos are not geo-referenced and the location of the photo center is approximate. 18. Ecological Zone Data Set Details Boundaries of Ecological Areas of The State of New York, taken from Will et. (1982) and Dickinson (1983). 19. Data on the set of data of extended phosphorus basins This data set provides an approximation of river basin boundaries where owners or operators The activities listed in Table 2, Appendix B to the SPDES General Permit for discharges of rainwater from construction activities (GP-0-10-001), must be prepared by swppp, which includes post-construction rainwater management procedures designed in accordance with the extended phosphorus removal standards included in the Technical Standard, the New York State Stormwater Management Manual Manual. 20. Forest Health Aerial Survey Data Set Details The 2011 Aerial Forest Health Survey report is a story for aerial observations from the 2011 Aerial Surveys on Overall Forest Health conducted for the State of New York, related ground crew observations, and other forest health information. Aerial surveys were conducted by an aerial sketchmapper and a region of foresters from the New York State Department of Environmental Conservation (NYSDEC) in collaboration with the USDA Forest Service. 21. Hudson River Estuary - New York Harbor Acoustic Reflectivity Data Set Details These composite reflections of geotiff raster datasets show the acoustic reflectivity of mud for shallow waters on the west side of manhattan and brooklyn waterfront. In 2014, a sonar system for side scanning was used, which gained reflectivity with 100% coverage in both starboard fields and port transmitter, allowing the development of a mosaic of reflective images without an empty zone, which occurs directly under the towing fish. The purpose of this dataset is to provide reflectivity images with a resolution of 0.1 m for parts of the Upper Bay shallows in New York Harbor. This data is not used for navigation but is intended for use in various environmental analyses. Each TIFF file has a color map, a set of values that is associated with colors and that is used to display a single-band grid consistently with the same colors. 22. Hudson River Estuary Data and Maps Data Set Details Revised: March 2020 NYSDEC Hudson Estuary Program in collaboration with many partners supported mapping of biological, chemical and physical properties of the Hudson Estuary. These efforts were organized through several separate projects, including the Benthic Mapping Project, which mapped the physical environment, a submerged water vegetation mapping project that mapped the extent of submerged aquatic vegetation, and the Biocriteria project, which conducted extensive sampling of chemical contaminants in estuary sediments as part of efforts to develop one or more biological indicators that can be used to assess the ecological status of estuaries through long-term monitoring. Data products from these projects include remote sensing snapshots, sample point data, and interpretive maps. 23. Hudson River Estuary Documented Submerged Water Vegetation Data Set Details Revised: February 2020 NYSDEC Hudson River The program, in collaboration with many partners, has supported the mapping of vegetated habitats of the Hudson Estuary. This data set contains polygons showing the distribution of submerged water vegetation (SAV) from Hastings-on-Hudson to Troy. The data are a combination of layers from the sav files from 1997, 2002, 2007, 2014, 2016 and 2018, which represent the culmination of all areas where the SAV has been documented. 24. Hudson River Estuary Submerged Vegetation Data Set Details NYSDEC Hudson River Estuary Program in collaboration with many partners supported mapping of vegetation habitats of the Hudson Estuary. This data set contains polygons showing the distribution of submerged water vegetation (SAV) from Hastings-on-Hudson to Troy. The data was interpreted from the inventory of aerial photos. 25. Hudson River Estuary Tidal Wetlands 2007 Data Set Details NYSDEC Hudson Estuary Program in collaboration with many partners supported mapping of vegetation habitats of the Hudson Estuary. This data set contains polygons showing the distribution of tidal wetlands from Hastings-on-Hudson to Troy. The data was interpreted from an inventory of aerial photographs obtained in 2007. 26. Hudson River NERR Vegetation 2005 Data Set Details characterize the 2005 vegetation communities of Iona Island, Piermont Marsh, Stockport Apartments and Tivoli Bays for temporal trend analysis, invasive species monitoring, and reserve management purposes. The 27th Hudson River Significant Biodiversity Data Set Details the New York Department of Environmental Protection (NYSDEC) Hudson River Estuary Program worked with the New York Cooperative Fish and Wildlife Research Unit at Cornell University and the NY Natural Heritage Program to Develop Significant Areas of Biodiversity (SBA) for the Hudson River Estuary region of New York State. SBA are 22 landscape areas with a high concentration of biodiversity or value for regional biodiversity. 28. Hudson Valley Forest Fragmentation Data Set Details Revised: February 2020 NYSDEC Hudson River Estuary Program in collaboration with Cornell University and NY Natural Heritage Program evaluated forest fragmentation in catchment areas based on 2016 national data on soil coverage and fragmentation features such as roads, railroads, and non-forest habitats. The layer shows continuous patches of forest larger than 100 acres, classified in the core of the forest and 100 meters of buffering of the peripheral forest habitat. 29. Hudson Valley Forest Index Data Set Details Revised: February 2020 This layer represents the forest status index for the Hudson River basin and surrounding counties. Forest patches >100 acres were identified using national soil coverage data and the status was estimated based on metrics related to fragmentation, ecological stressors and ecosystem services. The layer is a tool for prioritising forest areas for conservation and management efforts. 30. Lake Contour Maps Data Set Details This is a point dataset with a centroid for all bodies of water in New York State that had contour maps created and scanned. 31. Matrix Forest Blocks and Bindings Data Set Details Matrix pages are large contiguous areas whose size and natural state allow the preservation of ecological processes, viable occurrences of matrix forest communities, embedded large and small patch communities, and embedded species populations. The aim of the selection of matrix forests was to identify viable examples of dominant forest types which, if conservation and enabling the recovery of the natural state, would serve as critical starting points for all species requiring internal forest conditions or associated with dominant forest types. 32. Mined Land Permit Data Set Details This data comes from the Division of Mineral Resources Mined Land Reclamation Program files and depicts the locations of most New York State Regulated Mines permitted since 1975. Mines have a range, but are represented as points, and coordinate locations are approximate. These figures have not been verified, but they are expected to be within 100 metres of the actual location of the facility. The version of the database loaded into the geographic data set has not been fully checked. There may be some errors in the location or attribute values. A geographic data set can also contain multiple points in one place. Mines in the database that lack coordinates or that have grossly incorrect coordinates do not appear in the geographic data set. Data should not be used to accurately identify equipment buildings, property or mine entrances. The DECS Mineral Resources Division maintains a data management system for mines regulated under the Mining Reclamation Act (MLRL), which was adopted in 1975. Mines operated and closed before that date were not regulated or monitored by the division. Roughly 5,400 mines are in the system, with approximately 2,400 active mines and the rest cultivated since 1975. In the early 1980's, in order to assist the division in the regulation of the mining industry, the It is primarily a regulatory database that does not monitor production volumes. 33. Details of the National Hydrography DataSet (NHD) National Hydrographic DataSet (NHD) is a comprehensive set of digital spatial data that contains information about the properties of surface waters such as lakes, ponds, streams, rivers, springs and wells. Within the NHD, surface water elements are combined to create ranges that provide a framework for linking water-related data to the NHD surface water drainage network. 34. Natural Heritage Community - NYNHP Dataset Details Revised: The August 2019 features represent instances of rare or high-quality natural communities (ecological communities) as recorded in the New York Natural Heritage Program. Occurrence is one natural type of community in one place. Examples of community types include deep emerging swamps, red maple hardwood swamps, dwarf bush swamps, a hardwood forest in the north, and a tidal stream. 35. Important Natural Heritage Areas - NYNHP DataSets Details Revised: April 2019 Important areas are land and water in the Hudson River Valley, defined by GIS models that support the continued presence and quality of known populations of rare animals and rare plants, or documented examples of rare or high quality ecological communities. Important areas include specific sites where animals, plants and/or ecological communities have been observed but go beyond these areas to include also: additional habitats for rare animal and plant populations, including areas that may be used by rare animals for breeding, nesting, feeding, nesting or excessive wintering; (a) areas which support natural ecological processes which are important for the conservation of the habitats of these rare animal and plant populations or which are critical to the conservation of these important communities. 36. New York State Boat launches details data set This data shows the location of a DEC-owned ship launching in New York State. Users should contact the NYSDEC Bureau of Fisheries, Public Use Section (518-402-8893, fwfish@gw.dec.state.ny.us) for full, up-to-date or additional information about the data. 37. New York State Forest Patches Data Set Details Revised: February 2020 This layer shows wooded areas larger than 100 acres in size throughout New York State. Wooded areas are defined using national soil types 2016, including deciduous forests, evergreen forests, mixed forests, shrum/bushes and wooded wetlands, representing the fragmentation of roads and railways. This information can be used when setting protection priorities. 38. New York State Natural Land Patches Data Set Details Revised: April 2020 This layer shows natural areas of more than 100 acres throughout New York State. Natural soil types are defined using 2016 national soil types, including deciduous forests, evergreen forests, mixed forests, woody wetlands, shrugs/bushes, herbaceous, barren soils and wetlands, and representing the fragmentation of roads and railways. This information can be used when setting protection priorities. 39. Nine Element Basin Management Plan Data Set Details Revised: August 2020 Data set represents the catchment boundary of New York water bodies that have completed the Nine Element (9E) plan. The data set includes the date on which 9E was implemented, the pollutant(s) addressed, the author(s), acres region (regions) within the framework of the (a) a hyperlink to document 9E. 9E is a clean water plan that identifies and quantifies sources of pollutants, identifies the objective (objectives) or objectives (objectives) of water quality and the reduction of pollutants needed to meet the target, and describes the measures (management best practices) needed to achieve reductions that improve water quality. 40. North-South Hunting Zone Line Data Set Details the East-West Line that separates the North and South Hunting Zones in New York State. 41. NYSDEC Regions and Authorities Data Set Details Revised: November 2020 This zip file contains polygon and point shape files of the New York Department of Environmental Protection (DEC) detailed regional boundaries, pinned to the state coast, and the location point of dec offices and other DEC facilities. These shape files are native to ESRI ArcGIS 10.3 and can be used in compatible GIS software. 42. Data sets for oil, gas and other regulated wells This data set contains the location of oil, gas, storage, salt solutions, stratigraphic, geothermal and other service wells. The Mineral Resources Division maintains information and data on more than 40,000 wells, categorized under New York State's Article 23 Regulated Wells. The dataset reflects the status of the wells as of the previous trading day. Location data has not been verified, but they are expected to be within 100 meters of the actual position of the well. Data should not be used to accurately determine distances from buildings, property boundaries or other elements. This is a public dataset. Wells currently confidential status are rendered, but confidential data is redacted. 43. Potential Environmental Justice Data Set Details This is a KML/KMZ file that shows the polygon location of potential areas of environmental justice. This data format can be used with a free virtual program of the globe, such as Google Earth or ESRI ArcGIS Explorer. Potential areas of environmental justice were identified based on data from the 2000 U.S. Census. This file is derived from data originally in shapefile format. Environmental justice efforts focus on improving the environment in communities, especially minority and low-income communities, and addressing the disproportionate adverse environmental impacts that may exist in those communities. The information balloon for each area of the census group displays the group ID of the census group, population, minority percentage, percentage below poverty level, county, municipality and a link to additional information on the website of the Ministry of Environmental Protection. 44. Primary Aquifers - 1:24,000 Dataset Details This layer shows the location of primary aquifers in New York State. Primary aquifers are currently used as sources of water supply by the main municipal water systems. Public fishing recommended web list It includes two categories of layers: the location of the upper streams, rivers, lakes, and ponds for fishing in New York State, as determined by fisheries biologists working for the New York State Department of Environmental Protection. 46. Public Fishing Stream Parking Area Data Set Details This is a shapefile file that can be used with programs such as Google Earth, Google Maps, and DEC State Lands Interactive Mapper . Displays the locations of public fishing streams in New York State. 47. Regulatory Freshwater Wetlands Data Set Details These data are an ARC/INFO coverage file consisting of polygonal and linear properties. The coverage is based on the New York State Freshwater Wetlands Maps as described in Article 24-0301 of the Environmental Protection Act. However, coverage is not a legal substitute for official maps. Coverage is available based on the county for all areas of New York State outside of Adirondack Park. 48. The remediation pages in the New York State Data Set Details Points in this file represent only the existence of a site that has a cleanup currently or has undergone a cleanup under dec supervision. This dataset contains a single-point location for a cluster of sites that are currently included in one of the remediation programs overseen by the Environmental Remediation Division. 49. State of polluting discharges System Data Set Revised: December 2019 The purpose of the Pollutant Discharge Elimination Programme (SPDES) is to protect human health and the environment. The SPDES authorisation programme in the Department of Water Management regulates municipal and industrial wastewater treatment plants that are discharged directly into navigable waters. 50. Rainwater Regulated MS4 Areas Data Set Details Revised: March 2020 This data set is developed by the Department of Environmental Protection (DEC), a water division to delineate the boundaries of areas covered by the SPDES General Permit for phase II stormwater regulations. This data set may change as the city's separate storm sewage systems (MS4s) obtain permits and determine the boundaries of their jurisdictions. 51. Streams with Basin Drainage Areas Data Set Details New York State Currents (1:24,000) with Estimated Catchment Drainage Area in Square Miles by Stream Segment. Please note that this is not a complex layer of hydrography for general use and should not be used as such. It shall be used to determine the catchment area for use in the calculation of channel dimensions for the reconstruction of a flood stream. For guidelines and best practices for flood management, see the � 52. Tidal Wetlands – NYC and Long Island Data Set Details New York State Tidal Wetlands South of Tappan Zee Bridge, Since 1974, for Tidal Wetlands Trend 53. Tidal Wetlands Map Images Data Set Details Geo-referenced scanned images of the official 1974 Tidal Wetlands Inventory Map of the New York Department of Environmental Protection (DEC). They represent tidal wetlands in the marine area of New York State (Tappan Zee Bridge, south of Staten Island, east to Long Island and Fishers Island). 54. Unconsolidated Aquifers at 1:250,000 Data Set Details These aquifers are those in the northern part of ny state that consist of sand and gravel and yield a large supply of water to wells. Rocky aquifers, although significant in some areas, are not addressed here. The source data is 1:250,000, the same scale as the NYS Geological Survey surficial and the rocky geological maps on which they were based. Together, these maps form a consistent set of geological and underground maps for use in the regional management of the state's groundwater resources. Long Island is represented in a separate Hydrogeologic Framework at 1:250,000 – Long Island, NY, issued by the USGS/NYSDEC. 55. Upstate New York Surficial Aquifer Mapping Program (USGS) Data Set Details NYSDEC has developed an implementation plan for brownfield and groundwater GIS Program, and one action identified in this plan was the development of spatial datasets aquifer maps published by the U.S. Geological Survey Detailed Afer Mapping Program. The USGS has mapped more than 30 sand and gravel aquifers in upstate New York on a scale of 1:24,000 since 1980. These maps have been improved to create digital, geo-referenced map layers. Digital map layers contain original map units and aquifer boundaries, as well as new standardized map units and updated aquifer boundaries. The original published aquifer maps contain additional basic and geological information that is not included in these map layers. For instructions on how to open a file, see Metadata distribution information. 56. Water Inventory/Priority Water Bottom List Data Details Revised: March 2020 Waterbody Inventory/Priority Waterbodies List (WI/PWL) is an inventory of the quality of the state's surface waters. The data set provides a summary of the general water quality conditions, monitors the extent to which the body of water supports its intended use and monitors progress towards identifying and addressing water quality problems, pollutants and resources. WI/PWL reports are generated for each of the 17 major river basins in the State according to a plan that allows each of them to be updated every 5 years. The review and updating of these reports shall include a public participation component. The data are shown in four topics representing the types of bodies of water included in the WI/PWL. These include Shoreline, rivers/streams, lakes/reservoirs, and estuaries. 57. Water Quality Classification - NYS DataSet Details Revised: 2019 This data set provides a classification of the water quality of New York State's lakes, rivers, streams and ponds, collectively referred to as bodies of water. All bodies of water in the State are provided with water quality classifications based on existing or expected best use, of each body of water or of the water body segment. Under the Environmental Protection Act of the State of New York (ECL), Title 5, Article 15, certain waters of the State are protected on the basis of their classification. Streams and small bodies of water situated during a stream which are designated as C (T) or higher (i.C.e.C (TS), B or A) shall be collectively referred to as protected streams. 58. Water Wells DataSet Details Revised: December 2016 This file shows the locations and attributes for wells in New York State. This information has been collected by DEC since April 2000, as required by law. 59. Water Abstractions - NYS Dataset Details Revised: November 2019 Water Withdrawal Data Have Been Collected Since 1990. Reporting requirements have since been extended. Data are currently collected in accordance with ECL requirements 15-1501. ECL 15-1501 requires dec permits and annual use reports for all facilities that use water for any purpose and have a capacity to download 100,000 gallons or more per day of surface or groundwater. These facilities may or may not be permitted with other agencies that regulate water supplies in New York State. 60. Catchment Area - Details of the TMDL Dataset Dataset represents the catchment boundaries of New York water bodies that have a total total maximum daily load (TMDL). The data set includes the date of introduction of the TMDL, the pollutant addressed, the author (authors), the catchment area acres, the regions in the catchment area and the hyperlink to the TMDL document. Document.

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