




**New York State Canal Corporation Embankment Maintenance Program
NYSDEC FEAF Part I Supplemental**

|  | Village of Schuylerville | Village of Stillwater | Village of Waterford |
|---|--|--|---|
| B. Government Entity and Agency/Approval | | | |
| i. (i.i.) | No | No | No |
| i.ii. | No | No | Yes |
| i.iii. | No | No | No |
| C.2. Adopted Land Use Plans | | | |
| a. | Yes, Yes - Primarily to pursue opportunities to restore and revitalize the canal and waterfront. | Yes, Yes - Identify areas of existing and potential public waterfront access, particularly along the Hudson River, and improve these areas, as applicable, taking into consideration the NYS Canal Recreationway Plan and the Eastern Gateway Canal Regional Plan; explore the development of a public marina on the Hudson River. | Yes, Yes |
| b. | Yes - NYS Heritage Area Mohawk Valley Heritage Corridor, NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership | Yes - NYS Heritage Area Mohawk Valley Heritage Corridor, NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership | Yes - NYS Heritage Area: Mohawk Valley Heritage Corridor, Hudson-Mohawk RiverSpark; NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership |
| c. | Yes- Saratoga County Farmland & Open Space Protection Plan | Yes- Saratoga County Farmland & Open Space Protection Plan | Yes- Saratoga County Farmland & Open Space Protection Plan |
| C.3 Zoning | | | |
| a. | Yes - Riverfront Recreational, Residential B & Commercial Business Districts | Yes- Neighborhood and Mixed Use | Yes- Village |
| C.4 Existing Community Services | | | |
| a. | Schuylerville Central School District | Stillwater Central School District | Waterford-Halfmoon Union Free School District |
| b | Saratoga County Sheriff's Dept, State Police | Stillwater Police Department | Waterford Police Department |
| c | Schuylerville Fire Department, Victory Mills Fire Department | Stillwater Fire Department, Arvin Hart Fire Company, Mechanicville Fire Department | Halfmoon-Waterford Fire District 1 |
| d | Fort Hardy Park, Schuyler's Canal Park | Lock 4 State Canal Park | Peeble Island State Park, Lock 6 Canal Park |
| D.1. Proposed & Potential Development | | | |
| b. | Up To Approximately 185 acres | Up To Approximately 201 acres | Up To Approximately 100 acres |
| b.b. | Up To Approximately 185 acres | Up To Approximately 201 acres | Up To Approximately 100 acres |
| E.1. Land Uses on and Surrounding the Project Site | | | |
| a. Existing land uses | Rural, Residential, Commercial | Residential, Forest, Commercial | Residential, Commercial |
| b. Land Use or Coverttype | (Intentionally left empty) | (Intentionally left empty) | (Intentionally left empty) |
| b. (continued) Roads, buildings, and other paved or impervious surfaces | Approximately 27 acres; Approximately 27 acres; N/A | Approximately 20 acres; Approximately 20 acres; NA | Approximately 30 acres; Approximately 30 acres; NA |
| b. (continued) Forested | NA | NA | NA |
| b. (continued) Meadows, grasslands or brushlands | NA | NA | NA |


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|---|---|---|---|
| b. (continued) Agriculture | NA | NA | NA |
| b. (continued) Surface water features | Approximately 36 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 160 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 60 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Wetlands | Approximately 3 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 20 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 10 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Non-vegetated | NA | NA | NA |
| b. (continued) Other | NA | NA | NA |
| d. | Yes | Yes | Yes |
| d.i. | Schuylerville Central School District, Capital District DSO, Schuylerville Manor | Stillwater Central School District, Community Committee on Eldercare | Waterford-Halfmoon Union Free School |
| e. | Yes Schuylerville Dam - 224-0253 | Yes Lock C-4 Dam at Stillwater | No |
| e.i. | Schuylerville Dam (41 ft height, 600 ft length, Surface Area 13 acres, Volume Impounded 380 acre-ft) | Lock C-4 Dam at Stillwater (14 ft height, 1400 ft length, Surface Area 1500 acres, Volume Impounded 9000 acre-ft) | NA |
| e.ii. | Schuylerville Dam (B) | Lock C-4 Dam at Stillwater (A) | NA |
| e.iii. | Schuylerville Dam (12/11/1984) | Lock C-4 Dam at Stillwater 7/5/1984 | NA |
| h. | Yes | Yes | Yes |
| h.i. | Environmental Site Remediation Database, ID numbers 546031 Spills Incidents 8605163, 8706830, 8907018, 9414074, 9503245, 9509793, 9603772, 1707040, 1804192, 1502176, 1501435, 1311523, 1400782, 1403993, 1404751, 1404869, 1405344 | Environmental Site Remediation Database, ID numbers 546031 Spills Incidents 0810155, 1511257, 9303040, 9212949, 9208979 | Environmental Site Remediation Database, ID numbers 546031, 546018, 546053, Spills Incidents 0410065, 0501180, 1606127, 9305955, 9300952, 9209606, 9206012, 9200894, 9106010, 9105358, 9103553, 9008313, 9007700, 8904555, 8805829, 8804155 |


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|---|--|--|--|
| <p>h.ii.</p> | <p>Site 546031 - Site Location: This site includes the nearly 200-mile stretch of the Hudson River that extends from Hudson Falls in Washington County to the Battery in New York City. The river is part of the Champlain Canal between Fort Edward and Waterford. Site Features: The site includes the main stem of the Hudson River, as well as the associated flood plains, river banks, riverine fringing wetlands, and backwater areas. Current zoning / uses: The river is currently used for recreation, transportation, and as a source of water for drinking and other purposes. The river floodplain areas include all types of land uses, from passive / recreational to residential to commercial / industrial. Historical uses: The General Electric Company (GE) discharged PCBs into the river from two capacitor manufacturing plants located in Hudson Falls and Fort Edward starting sometime in 1946. Previous investigations identified 40 areas or 'hot spots' in the upper Hudson that had sediments contaminated with greater than 50 ppm of PCBs. Also included in the definition of this site are five Remnant Deposits or river sediment areas that were exposed when the level of the river was lowered when the Fort Edward Dam was removed in 1973. EPA issued a Record of Decision (ROD) for this National Priorities List site on September 25, 1984 which included: in-place containment of the Remnant Deposits; evaluation of downstream domestic water quality at Waterford, New York; and interim No Action as to the PCB-contaminated river sediment. The 1984 ROD indicated that both the No Action decision for the river sediments and the containment remedy for the Remnant Deposits might be reexamined by EPA in the future. The containment remedy for the Remnant Deposits was performed by GE under a 1990 Consent Decree with EPA. In addition, in 1990, NYSDEC completed the evaluation of downstream domestic water quality at Waterford, New York, which concluded that PCB concentrations were below analytical detection limits after treatment and met standards applicable to public water supplies. In December 1989, EPA announced its decision to initiate a detailed Reassessment Remedial Investigation/Feasibility Study (RI/FS) of the September 1984 decision concerning the PCB contaminated Hudson River sediments. The Reassessment culminated with EPA's issuance of a second ROD for the site in February 2002 which included the dredging of an estimated 2.65 million cubic yards of PCB contaminated sediments from the Upper Hudson River (between Fort Edward and Troy), which was estimated in the ROD to contain about 66.300 kilograms of total PCBs (approximately</p> | <p>Site 546031 - Site Location: This site includes the nearly 200-mile stretch of the Hudson River that extends from Hudson Falls in Washington County to the Battery in New York City. The river is part of the Champlain Canal between Fort Edward and Waterford. Site Features: The site includes the main stem of the Hudson River, as well as the associated flood plains, river banks, riverine fringing wetlands, and backwater areas. Current zoning / uses: The river is currently used for recreation, transportation, and as a source of water for drinking and other purposes. 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|---|---|---|---|
| | <p>65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project. EPA issued a series of Orders to GE for performance of the engineering design for the project. Project design has been completed for Phase 1 (the first year) of the dredging program, and is ongoing for the remainder of the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2. The changes to the project for Phase 2 were provided to GE in December 2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10. Construction work for Phase 2 of the remedial project started in 2011, and was completed in 2016. Dredging was completed in fall 2015; habitat reconstruction was completed in 2016. Facility decommissioning was performed in 2016. For more information on the Hudson River Fish advisory, copy and paste this link into a web browser: https://www.health.ny.gov/environmental/outdoors/fish/hudson_river/advisory_outreach_project/</p> | <p>65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project. EPA issued a series of Orders to GE for performance of the engineering design for the project. Project design has been completed for Phase 1 (the first year) of the dredging program, and is ongoing for the remainder of the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2. The changes to the project for Phase 2 were provided to GE in December 2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10. Construction work for Phase 2 of the remedial project started in 2011, and was completed in 2016. Dredging was completed in fall 2015; habitat reconstruction was completed in 2016. Facility decommissioning was performed in 2016. For more information on the Hudson River Fish advisory, copy and paste this link into a web browser: https://www.health.ny.gov/environmental/outdoors/fish/hudson_river/advisory_outreach_project/</p> | <p>65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project. EPA issued a series of Orders to GE for performance of the engineering design for the project. Project design has been completed for Phase 1 (the first year) of the dredging program, and is ongoing for the remainder of the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2. The changes to the project for Phase 2 were provided to GE in December 2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10. Construction work for Phase 2 of the remedial project started in 2011, and was completed in 2016. Dredging was completed in fall 2015; habitat reconstruction was completed in 2016. Facility decommissioning was performed in 2016. For more information on the Hudson River Fish advisory, copy and paste this link into a web browser: https://www.health.ny.gov/environmental/outdoors/fish/hudson_river/advisory_outreach_project/</p> |
| <p>h.iii.</p> | <p>Environmental Site Remediation Database, ID numbers 546031, C546047</p> | <p>Environmental Site Remediation Database, ID numbers 546031, 442033</p> | <p>Environmental Site Remediation Database, ID numbers 546031, 546018, 546053, 546045, E546053, 546003</p> |


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|---|---|---|---|
| <p>h.iv. Land uses on and surrounding the project site</p> | <p>546031 at risk for PCB's, cadmium, lead. Classification 02 C546047 at risk for PCB's Class N site. Due to non-compliance, the Brownfield Cleanup Agreement was terminated by NYSDEC in 2007. 8605163 gasoline spill due to tank test failure. Case closed 8706830 15 gallons of #6 fuel spilled due to traffic accident. Case closed. 8901617 15 gallons spilled in soil due to traffic accident. Case closed 8907018 petroleum spilled into soil 1989 9101662 case closed 1991 oil spilled into soil from traffic accident 9414074 case closed 1995 20 gallons spilled due to traffic accident 9503245 case closed 1995 5 gallons hydraulic oil spill due to equipment failure. 95097993 case closed 1995 100 gal diesel spilled due to equipment failure. 963772 case closed 1996 gasoline spilled 0208104 case closed 2002 unknown spill into hudson river 1804192 hydraulic oil spilled into soil. not closed yet. 1707040 hydraulic oil spilled into soil 5 gallons not closed yet. 1502176 1 gallon petroleum into soil and surface water. closed 2015 1501435 diesel spilled into surface water. closed 2015. 1311523 1 gallon hydraulic oil equipment failure. closed 2014 1400782 2 lbs hydraulic oil equipment failure. closed 2014 1403993 50 gal hydraulic oil due to equipment failure close 2014 1404751 1.5 gal hydraulic oil equipment failure closed 2014 1404869 10 gal hydraulic oil equipment failure closed 2014 1405344 .25 gal motor oil closed 2014</p> | <p>546031 at risk for PCB's, cadmium, lead. Classification 02 0810155 #2 fuel oil into soil. Closed 2010. 1511257 unknown spill into hudson river closed 2016 9303040 raw sewage deliberate spill into hudson closed 1993 9212949 tank test failure closed 2007 9208979 gasoline spill closed 1992</p> | <p>546031 at risk for PCB's Classification 02 546018 is a dumb lagoon and is contaminated with PCB's, arsenic, lead, asbestos, etc. Classification C. 546045 many contaminants in groundwater. Classification 02 546053 20,000 gallon petroleum UST was found on site with contaminated soils. Tank was removed as IRM's and no further contamination is on site. Classification C E546053 repeat inspection of 20k gallon tank. No contamination found. Classification N 1606127 #2 fuel oil 4 gallons due to equipment failure. closed 2016 0410065 transformer oil 5 gallons spilled into soil due to traffic accident. closed 2004. 0501180 #2 fuel oil into groundwater due to equipment failure. closed 2011. 546003 Volatile organics, benzene, metals are of concern and have been reduced due to the remedial system. Class 02. 9305955 (closed 1993), 9300952 (closed 1993), 9209606 (closed 1997), 9206012 (closed 1992), 9200894 (closed 1992), 9106010 (closed 1992), 9105358 (closed 1991), 9103553 (closed 1997), 9008313 (closed 1991), 9007700 (closed 1990), 8904555 (closed 1989), 8805829 (closed 1989), 8804155 (closed 1988)</p> |
| <p>h.v.</p> | <p>546031 - Engineering controls in place for Hudson River sediments. Refer</p> | <p>None</p> | <p>546003 Deed restriction to control cover system, leachate, subsurface</p> |
| <p>E.2. Natural Resources On or Near Project</p> | | | |
| <p>a.</p> | <p>10 inches to 40 inches</p> | <p>More than 80 inches</p> | <p>More than 80 inches</p> |
| <p>c.</p> | <p>Water (63.1%), Teel silt loam (10.5%), Bernardston-Manlius-Nassau</p> | <p>Water (69.6%), Teel silt loam (12.2%), Tioga fine sandy loam (11.0%)</p> | <p>Water (63.4%), Rhinebeck silt loam, 3 to 8 percent slopes (9.5%), teel silt</p> |
| <p>d.</p> | <p>Approximately 20 inches</p> | <p>18 to 24 inches, 36 to 72 inches</p> | <p>6-12 inches, 18-24 inches</p> |
| <p>e.</p> | <p>Well Drained 7.6%, Moderately Well Drained 10.5%</p> | <p>Well Drained (11.0%), Moderately well drained (12.2%)</p> | <p>Somewhat poorly drained (9.5%), moderately well drained (6.6%)</p> |
| <p>f.</p> | <p>0-3% is Teel silt loam, 3-8% is Bernardston-Manlius</p> | <p>0-3% is Teel Silt Loam and Tioga fine Sandy Loam</p> | <p>3-8% is Rhinebeck silt loam, 0-3% is teel silt loam</p> |
| <p>g.</p> | <p>State Regulated Wetlands and Rare Plants or Animals</p> | <p>State Regulated Wetlands and Rare Plants or Animals</p> | <p>Significant Natural Communities, State Regulated Wetlands and Rare</p> |
| <p>h. (h.i.)</p> | <p>Yes</p> | <p>Yes</p> | <p>Yes</p> |
| <p>h.ii.</p> | <p>Yes</p> | <p>Yes</p> | <p>Yes</p> |
| <p>h.iii.</p> | <p>Yes</p> | <p>Yes</p> | <p>Yes</p> |


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| h.iv. | Freshwater Forested/Shrub Wetland (PFO1Ch -Approximately 10 acre) Freshwater Forested/Shrub Wetland (PFO1Cd - Approximately 5 acre) Freshwater Forested/Shrub Wetland (PFO1Eh - Approximately 6 acre) Riverine Hbitat (R4SBC -Approximately 0.5 acre) Freshwater Pond (PUBHh -Approximately 1 acre) 941-108 (Classification C), 941-3 (classification B) | Freshwater Forested/Shrub Wetland (PFO1Ch-Approximately 1.5 acre) Riverine Habitat (R2UBHx - Approximately 0.5 acres) Freshwater Forested/Shrub Wetland (PSS1/FO1E - Approximately 10 acres) 941-3, 941-78, 941-81, 941-83 (Class B and C) 941-87 (Class C) ME-13 | Freshwater Forested/Shrub Wetland (PFO1Ch - Approximately 10 acre) Freshwater Emergent Wetland (PEM1Cd -Approximately 0.5 acres) Riverine Habitat (R3UBHx -Approximately 3 acres) Riverine Habitat (R5UBH -Approximately 0.5 acres) Riverine Habitat (R4SBC -Approximately 0.5 acres) Freshwater Pond (PUBHx - Approximately 1 acres) Lake Habitat (L1UBHh - Approximately 2 acres) 876-1, 876-4, 876-23 (Classification C) |
| h.v. | Upper Hudson, Main Stem - Priority Organics - fish consumption | Upper Hudson, Main Stem - Priority Organics - fish consumption | Upper Hudson, Main Stem - Priority Organics - fish consumption |
| i. | Yes | Yes | Yes |
| j. | Yes | Yes | Yes |
| k. | Yes | Yes | Yes |
| l. | Yes | Yes | Yes |
| l.i. | Principal Aquifer | Principal Aquifer | Principal Aquifer |
| n. | No | No | Yes |
| n.i. | N/A | NA | Shale Cliff and Talus Community, Vernal Pool, Floodplain Grassland |
| n.ii. | N/A | NA | DEC Environmental Resource Mapper |
| n.iii. | N/A | NA | 16.48, 3.66 acres |
| o. | Yes- Northern Long-eared Bat (federal) | Yes -Northern Long-eared Bat and Circus cyaneus, Carex davisii, Hedeoma | Yes -Northern Long-eared Bat, Acipenser brevirostrum, Haliaeetus |
| p. | Yes- Rare dragonflies and Damselfies | No | Yes- Rare dragonflies and Damselfies |
| E.3 Designated Public Resources On or Near | | | |
| a. | yes Saratoga 1 (SARA001) | No | No |
| b. | Yes | Yes | Yes |
| b.i. | Approximately 18 acres | Approximately 51.1 acres | Approximately 25.2 acres |
| b.ii. | Web Soil Survey | Web Soil Survey | Web Soil Survey |
| c. | No | No | No |
| c.i. | N/A | N/A | N/A |
| c.ii. | N/A | N/A | N/A |
| d. | Yes | Yes | No |
| d.i. | Agricultural District | Agricultural District | NA |
| d.ii. | Unique character of resources | Unique character of resources | NA |
| d.iii. | Town of Easton (5-02-84) | Town of Easton (5-02-84) | NA |
| e. | Yes | Yes | Yes |


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|---|--|---|--|
| e.i. | Historical Building | Historic Buildings or District | Historic Buildings or District |
| e.ii. | New York State Barge Canal, Bullard Block, Old Champlain Canal, St Stephens Episcopal Church, Old Saratoga Reformed Church, Marshall House, Philip Schuyler Estate | New York State Barge Canal, Stillwater United Church, Old Champlain Canal | New York State Barge Canal, Northside Historic District, Peebles Island, Waterford Village Historic District, Old Champlain Canal, Ormsby-Laughlin Textile Companies Mill, URGER (canal tugboat), CATAWISSA (tugboat) |
| e.iii. | New York State Barge Canal (14NR06559), Bullard Block (09147.000015, 08NR05961), Marshall House (09116.000132), Schuylerville High School (09147.000012), Old Saratoga Reformed Church (09147.000014, 97NR01225), St Stephens Episcopal Church (01947.000143, 04NR05336), Nine Gables (09147.000009), Phillip Schuyler Estate (09147.000155), Old Champlain Canal (90NR02762), Philip Schuyler Estate (09147.000155) | New York State Barge Canal (14NR06559), 1 building for the Stillwater United Church (09148.000012, 06NR05575) , 13 structures associated with Old Champlain Canal (90NR02762) | 1 building and 13 structures with the Old Champlain Canal (90NR02762) 1 structure with the CATAWISSA tugboat 1 structure with the URGER tugboat (09118.000213) 1 building with the Ormsby-laughlin Textile Mill (90NR02614) 330 buildings and 1 structure in the Waterford Village Historic District (90NR02613) 3 buildings and 1 structures in Peebles Island (90NR02593) 125 buildings and 1 structure in the Northside Historic District (90NR02612) |
| f. | Yes | Yes | Yes |
| g. | Yes | No | Yes |
| g.i. | No | Frame Vernacular Residence (09148.000024), Brick Commercial Building (09418.000023), Stillwater Community Center Former School (09148.000020), Ephraim Newland House (09148.000029) | Matton Shipyard (08NR05868, 00141.000348) Peebles Island (11 sites - 90NR02593) |
| g.ii. | US National Register of Historic Places, CRIS | CRIS | US National Register of Historic Places, CRIS |
| h. | Yes | Yes | Yes |
| h.i. | Lakes to Locks Passage | Lakes to Locks Passage | Lakes to Locks Passage |
| h.ii. | National & NYS Scenic Byway | National & NYS Scenic Byway | National & NYS Scenic Byway |
| h.iii. | 0 miles | 0 miles | 0 miles |
| i. | No | No | No |
| i.i. | NA | NA | NA |
| i.ii. | NA | NA | NA |


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|  | City of Mechanicville | Town of Saratoga | Town of Moreau |
|---|--|--|--|
| B. Government Entity and Agency/Approval | | | |
| i. (i.i.) | No | No | No |
| i.ii. | No | No | No |
| i.iii. | No | No | No |
| C.2. Adopted Land Use Plans | | | |
| a. | Yes, Yes | Yes, Yes | Yes, Yes |
| b. | Yes - NYS Heritage Areas: Mohawk Valley Heritage Corridor, NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership | Yes - NYS Heritage Area Mohawk Valley Heritage Corridor, NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership | Yes - NYS Heritage Area Mohawk Valley Heritage Corridor, NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership |
| c. | Yes- Saratoga County Farmland & Open Space Protection Plan | Yes- Saratoga County Farmland & Open Space Protection Plan | Yes- Saratoga County Farmland & Open Space Protection Plan |
| C.3 Zoning | | | |
| a. | Yes - Mixed Use, residential, commercial | Yes - Conservancy | Yes- Residential, Commercial, PUD, Manufacturing |
| C.4 Existing Community Services | | | |
| a. | Mechanicville City School District | Stillwater Central School District and Schuylerville Central School District | South Glens Falls Central School District |
| b. | Mechanicville Police, Saratoga County Sheriff's Department, State Police | Saratoga County Sheriff's Department, State Police | Saratoga County Sheriff's Department, State Police |
| c. | Mechanicville Fire Department | Gansevoort Volunteer Fire Department | South Glens Falls Fire Company |
| d. | Tallmadge Park | Saratoga National Historic Park, Starks Knob, Hudson Crossing Park | None |
| D.1. Proposed & Potential Development | | | |
| b. | Up To Approximately 101 acres | Up To Approximately 410 acres | Up To Approximately 265 acres |
| b.b. | Up To Approximately 101 acres | Up To Approximately 410 acres | Up To Approximately 265 acres |
| E.1. Land Uses on and Surrounding the Project Site | | | |
| a. Existing land uses | Residential, Commercial | Rural, Residential, Agriculture, Forest | Agriculture, Rural, Residential |
| b. Land Use or Coverttype | (Intentionally left empty) | (Intentionally left empty) | (Intentionally left empty) |
| b. (continued) Roads, buildings, and other paved or impervious surfaces | Approximately 40 acres; Approximately 40 acres; NA | Approximately 41 acres; Approximately 41 acres; NA | Approximately 53; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Forested | NA | Approximately 41 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | NA |
| b. (continued) Meadows, grasslands or brushlands | NA | NA | NA |


**New York State Canal Corporation Embankment Maintenance Program
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|  | City of Mechanicville | Town of Saratoga | Town of Moreau |
|---|---|---|---|
| b. (continued) Agriculture | NA | NA | NA |
| b. (continued) Surface water features | Approximately 50 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 205 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 159 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Wetlands | Approximately 10 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 82 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 53 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Non-vegetated | NA | NA | NA |
| b. (continued) Other | NA | NA | NA |
| d. | Yes | Yes | No |
| d.i. | Cook Adult Home, Augustine Classical Academy, Mechanicville City School District | Schuylerville Central School District | South Glens Falls Central School District |
| e. | Yes Lock C-3 Dam at Mechanicville, Lock C-2 Dam at Mechanicville | Yes, Canal Lock C-5 Champlain Canal | No |
| e.i. | Dam Height C-2 23 ft, Dam Height C-3 37 ft, Dam Length C-2 963 ft, Dam Length C-3 1220 ft, Surface Area C-2 286 acres, Surface Area C-3 260 acres, Volume Impounded C-2 2716 acre-ft, Volume Impounded C-3 8785 acre-ft | NA | NA |
| e.ii. | C-2 (A), C-3 (C) | NA | NA |
| e.iii. | C-2 (11/29/1990), C-3 (1/1/1990) | NA | NA |
| h. | Yes | Yes | Yes |
| h.i. | Environmental Site Remediation Database, ID numbers 546031 Spills Incidents 0002546, 0480027 | Environmental Site Remediation Database, ID numbers 546031 Spills Incidents 8101334, 9103515, 9202275, 9103515 | Environmental Site Remediation Database, ID numbers 5466031, 546040, 546041, 546042, 546046 Spills Incidents 9007763, 0913410 |


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|  | <p align="center">City of Mechanicville</p> | <p align="center">Town of Saratoga</p> | <p align="center">Town of Moreau</p> |
|---|--|--|--|
| <p>h.ii.</p> | <p>Site 546031 - Site Location: This site includes the nearly 200-mile stretch of the Hudson River that extends from Hudson Falls in Washington County to the Battery in New York City. The river is part of the Champlain Canal between Fort Edward and Waterford. Site Features: The site includes the main stem of the Hudson River, as well as the associated flood plains, river banks, riverine fringing wetlands, and backwater areas. Current zoning / uses: The river is currently used for recreation, transportation, and as a source of water for drinking and other purposes. The river floodplain areas include all types of land uses, from passive / recreational to residential to commercial / industrial. Historical uses: The General Electric Company (GE) discharged PCBs into the river from two capacitor manufacturing plants located in Hudson Falls and Fort Edward starting sometime in 1946. Previous investigations identified 40 areas or 'hot spots' in the upper Hudson that had sediments contaminated with greater than 50 ppm of PCBs. Also included in the definition of this site are five Remnant Deposits or river sediment areas that were exposed when the level of the river was lowered when the Fort Edward Dam was removed in 1973. EPA issued a Record of Decision (ROD) for this National Priorities List site on September 25, 1984 which included: in-place containment of the Remnant Deposits; evaluation of downstream domestic water quality at Waterford, New York; and interim 'No Action' as to the PCB-contaminated river sediment. The 1984 ROD indicated that both the No Action decision for the river sediments and the containment remedy for the Remnant Deposits might be reexamined by EPA in the future. The containment remedy for the Remnant Deposits was performed by GE under a 1990 Consent Decree with EPA. In addition, in 1990, NYSDEC completed the evaluation of downstream domestic water quality at Waterford, New York, which concluded that PCB concentrations were below analytical detection limits after treatment and met standards applicable to public water supplies. In December 1989, EPA announced its decision to initiate a detailed Reassessment Remedial Investigation/Feasibility Study (RI/FS) of the September 1984 decision concerning the PCB contaminated Hudson River sediments. The Reassessment culminated with EPA's issuance of a second ROD for the site in February 2002 which included the dredging of an estimated 2.65 million cubic yards of PCB contaminated sediments from the Upper Hudson River (between Fort Edward and Troy), which was estimated in the ROD to contain about 66,300 kilograms of total PCBs (approximately</p> | <p>Site 546031 - Site Location: This site includes the nearly 200-mile stretch of the Hudson River that extends from Hudson Falls in Washington County to the Battery in New York City. The river is part of the Champlain Canal between Fort Edward and Waterford. Site Features: The site includes the main stem of the Hudson River, as well as the associated flood plains, river banks, riverine fringing wetlands, and backwater areas. Current zoning / uses: The river is currently used for recreation, transportation, and as a source of water for drinking and other purposes. The river floodplain areas include all types of land uses, from passive / recreational to residential to commercial / industrial. Historical uses: The General Electric Company (GE) discharged PCBs into the river from two capacitor manufacturing plants located in Hudson Falls and Fort Edward starting sometime in 1946. Previous investigations identified 40 areas or 'hot spots' in the upper Hudson that had sediments contaminated with greater than 50 ppm of PCBs. Also included in the definition of this site are five Remnant Deposits or river sediment areas that were exposed when the level of the river was lowered when the Fort Edward Dam was removed in 1973. EPA issued a Record of Decision (ROD) for this National Priorities List site on September 25, 1984 which included: in-place containment of the Remnant Deposits; evaluation of downstream domestic water quality at Waterford, New York; and interim 'No Action' as to the PCB-contaminated river sediment. The 1984 ROD indicated that both the No Action decision for the river sediments and the containment remedy for the Remnant Deposits might be reexamined by EPA in the future. The containment remedy for the Remnant Deposits was performed by GE under a 1990 Consent Decree with EPA. In addition, in 1990, NYSDEC completed the evaluation of downstream domestic water quality at Waterford, New York, which concluded that PCB concentrations were below analytical detection limits after treatment and met standards applicable to public water supplies. In December 1989, EPA announced its decision to initiate a detailed Reassessment Remedial Investigation/Feasibility Study (RI/FS) of the September 1984 decision concerning the PCB contaminated Hudson River sediments. 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The river floodplain areas include all types of land uses, from passive / recreational to residential to commercial / industrial. Historical uses: The General Electric Company (GE) discharged PCBs into the river from two capacitor manufacturing plants located in Hudson Falls and Fort Edward starting sometime in 1946. Previous investigations identified 40 areas or 'hot spots' in the upper Hudson that had sediments contaminated with greater than 50 ppm of PCBs. Also included in the definition of this site are five Remnant Deposits or river sediment areas that were exposed when the level of the river was lowered when the Fort Edward Dam was removed in 1973. EPA issued a Record of Decision (ROD) for this National Priorities List site on September 25, 1984 which included: in-place containment of the Remnant Deposits; evaluation of downstream domestic water quality at Waterford, New York; and interim 'No Action' as to the PCB-contaminated river sediment. The 1984 ROD indicated that both the No Action decision for the river sediments and the containment remedy for the Remnant Deposits might be reexamined by EPA in the future. The containment remedy for the Remnant Deposits was performed by GE under a 1990 Consent Decree with EPA. In addition, in 1990, NYSDEC completed the evaluation of downstream domestic water quality at Waterford, New York, which concluded that PCB concentrations were below analytical detection limits after treatment and met standards applicable to public water supplies. In December 1989, EPA announced its decision to initiate a detailed Reassessment Remedial Investigation/Feasibility Study (RI/FS) of the September 1984 decision concerning the PCB contaminated Hudson River sediments. The Reassessment culminated with EPA's issuance of a second ROD for the site in February 2002 which included the dredging of an estimated 2.65 million cubic yards of PCB contaminated sediments from the Upper Hudson River (between Fort Edward and Troy), which was estimated in the ROD to contain about 66,300 kilograms of total PCBs (approximately</p> |


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|  | <p align="center">City of Mechanicville</p> | <p align="center">Town of Saratoga</p> | <p align="center">Town of Moreau</p> |
|---|---|---|---|
| | <p>65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project. EPA issued a series of Orders to GE for performance of the engineering design for the project. Project design has been completed for Phase 1 (the first year) of the dredging program, and is ongoing for the remainder of the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2. The changes to the project for Phase 2 were provided to GE in December 2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10. Construction work for Phase 2 of the remedial project started in 2011, and was completed in 2016. Dredging was completed in fall 2015; habitat reconstruction was completed in 2016. Facility decommissioning was performed in 2016. For more information on the Hudson River Fish advisory, copy and paste this link into a web browser: https://www.health.ny.gov/environmental/outdoors/fish/udson_river/advisory_outreach_project/</p> | <p>65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project. EPA issued a series of Orders to GE for performance of the engineering design for the project. Project design has been completed for Phase 1 (the first year) of the dredging program, and is ongoing for the remainder of the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2. The changes to the project for Phase 2 were provided to GE in December 2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10. Construction work for Phase 2 of the remedial project started in 2011, and was completed in 2016. Dredging was completed in fall 2015; habitat reconstruction was completed in 2016. Facility decommissioning was performed in 2016. For more information on the Hudson River Fish advisory, copy and paste this link into a web browser: https://www.health.ny.gov/environmental/outdoors/fish/udson_river/advisory_outreach_project/</p> | <p>65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project. EPA issued a series of Orders to GE for performance of the engineering design for the project. Project design has been completed for Phase 1 (the first year) of the dredging program, and is ongoing for the remainder of the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2. The changes to the project for Phase 2 were provided to GE in December 2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10. Construction work for Phase 2 of the remedial project started in 2011, and was completed in 2016. Dredging was completed in fall 2015; habitat reconstruction was completed in 2016. Facility decommissioning was performed in 2016. For more information on the Hudson River Fish advisory, copy and paste this link into a web browser: https://www.health.ny.gov/environmental/outdoors/fish/udson_river/advisory_outreach_project/</p> |
| <p>h.iii.</p> | <p>Environmental Site Remediation Database, ID numbers 546031, E546050, 546044, 546017, E546048</p> | <p>Environmental Site Remediation Database, ID numbers 546031</p> | <p>Yes,546040, 546041, 546042, 546031, 558018</p> |


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|  | City of Mechanicville | Town of Saratoga | Town of Moreau |
|---|--|--|--|
| <p>h.iv. Land uses on and surrounding the project site</p> | <p>546031 at risk for PCB's Classification 02 E546050 Semi-Volatile Organic Compounds (SVOCs) and metals, a soil excavation and dewatering interim remedial measure was conducted. Classification N E546048 Classification N underground storage tanks contaminated soil in the past. 546044 primary contaminant is tetrachloroethene (PCE) and is no longer a significant environmental threat. Classification 04. 546017 No hazardous waste Classification N 0002546 spill caused by abandoned drums closed in 2000 0480027 35 gal diesel into soil due to human error. closed in year 2004.</p> | <p>546031 at risk for PCB's Classification 02 8101334 petroleum spill into groundwater 1981 case closed. 9103515 raw sewage 1000 gal spilled into surface water case closed 1991 9202275 raw sewage into canal closed 1992 9103515 raw sewage into canal closed 1991</p> | <p>546040 The site is currently zoned commercial and is vacant. PCB is the concern. Classification 02 546041 is at location of toxic substances control act approved dredge spoil contaminant structure. PCB is the concern. Landfill. Classification 02 546042 is at location of toxic substances control act approved dredge spoil contaminant structure. PCB is the concern. Classification 02 546046 Classification N PCB contamination in soil and eventually run into the hudson river 0913410 transformer oil 1.5 gallon into soil from traffic accident. closed 2010 9007763 hydraulic oil 50 gallon into soil from equipment failure. closed 1991</p> |
| h.v. | Environmental Easement for 546044 to control Ground Water Use | None | None |
| E.2. Natural Resources On or Near Project | | | |
| a. | More than 80 inches | More than 80 inches | More than 80 inches |
| c. | Water (81.7%), Hoosic gravelly sandy loam, rolling (5.4%), Teel silt loam | Water (65.9%), Tioga fine sandy loam (12.9%), teel silt loam (11.6%) | Water (57.8%), Teel silt loam (11.5%), Udipsamments, dredged (17.6%) |
| d. | 18-24 inches, More than 80 inches | 18-55 inches | Approximately 20 inches |
| e. | Moderatly Well Drained 4.9%, Somewhat excessively drained 5.4% | Well Drained 12.9%, Moderatly Well Drained 11.6% | Moderatly well drained 11.5%, Excessively drained 17.6% |
| f. | 0-3% is teel silt loam, 8-15% is Hoosic gravelly sandy loam, rolling | 0-3% is teel silt loam, 0-3% is Tioga fine sandy loam | 0-3% is teel silt loam, 0-8% is udipsamments |
| g. | Anthony Kill - Mechanicville | Significant Natural Communities, State Regulated Wetlands and Rare | Significant Natural Communities, State Regulated Wetlands and Rare |
| h. (h.i.) | Yes | Yes | Yes |
| h.ii. | Yes | Yes | Yes |
| h.iii. | Yes | Yes | Yes |


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|  | City of Mechanicville | Town of Saratoga | Town of Moreau |
|---|---|--|---|
| h.iv. | Freshwater Forested/Shrub Wetland (PFO1E - Approximately 0.5 acres) Freshwater Forested/Shrub Wetland (PFO1Eh - Approximately 4 acres) Freshwater Forested/Shrub Wetland (PEM1E -Approximately 0.5 acres) Riverine Hbitat (R3UBH -0.5 acres) 941-38, 941-2 (Classification C) | Freshwater Forested/Shrub Wetland (PFO1Ah - Approximately 3 acre) Freshwater Forested/Shrub Wetland (PFO1Cd - Approximately 4 acre) Freshwater Forested/Shrub Wetland (PFO1Eh - Approximately 50acre) Freshwater Forested/Shrub Wetland (PEM1Eh - Approximately 2 acre) Riverine Hbitat (R4SBC -Approximately 0.5 acre) Freshwater Pond (PUBHh- Approximately 1 acre) Freshwater Forested/Shrub Wetland (PSS1/EM1Ed - Approximately 1 acre) Other (Pf - Approximately 15 acre) 941-103 (Classification C) 941-99, 941-3, 941-94, 941-99.2, 941-101.1 (classification C (TS) and Classification B)) SY-7, SY-8, SY-13, SY-5 | Freshwater Forested/Shrub Wetland (PFO1Ch - Approximately 2 acre) Freshwater Forested/Shrub Wetland (PFO1Cd - Approximately 3 acre) Freshwater Forested/Shrub Wetland (PFO1Eh - Approximately 1 acre) Freshwater Forested/Shrub Wetland (PEM1C - Approximately 1 acre) Riverine Hbitat (R4SBC -Approximately 0.5 acre) Freshwater Pond (PUBHh - Approximately 1 acre) Freshwater Forested/Shrub Wetland (PSS1/EM1Ed - Approximately 7 acres) 941-103 (Classification C) 941-99, 941-3, 941-94, 941-99.2, 941-101.1 (classification C (TS) and Classification B)) SY-7, SY-8, SY-13, SY-5 |
| h.v. | Upper Hudson, Main Stem - Priority Organics - fish consumption | Upper Hudson, Main Stem - Priority Organics - fish consumption | Upper Hudson, Main Stem - Priority Organics - fish consumption |
| i. | Yes | Yes | Yes |
| j. | Yes | Yes | Yes |
| k. | Yes | Yes | Yes |
| l. | Yes | Yes | Yes |
| l.i. | Principal Aquifer | Principal Aquifer | Principal Aquifer |
| n. | No | No | No |
| n.i. | N/A | N/A | N/A |
| n.ii. | N/A | N/A | N/A |
| n.iii. | N/A | N/A | N/A |
| o. | Yes- Bald Eagle, Northern Long-eared Bat (Federal) Circus cyaneus, | Yes- Bald Eagle, Northern Long-eared Bat (Federal), Circus cyaneus, | Yes- Bald Eagle, Northern Long-eared Bat (Federal) Asio flammeua, Circus |
| p. | No | No | No |
| E.3 Designated Public Resources On or Near | | | |
| a. | Yes Saratoga 1 (SARA001) | yes Saratoga 1 (SARA001) | yes Saratoga 1 (SARA001) |
| b. | Yes | Yes | Yes |
| b.i. | Approximately 10.4 acres | Approximately 89.7 acres | Approximately 36.7 acres |
| b.ii. | Web Soil Survey | Web Soil Survey | Web Soil Survey |
| c. | No | No | No |
| c.i. | N/A | N/A | N/A |
| c.ii. | N/A | N/A | N/A |
| d. | No | Yes | No |
| d.i. | NA | Agricultural District, Battenkill Scenic and Erosion Prone Areas | N/A |
| d.ii. | NA | Unique character of resources, protection of environment and river bed | N/A |
| d.iii. | NA | Town of Easton (3-27-84) | N/A |
| e. | Yes | Yes | Yes |


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|  | City of Mechanicville | Town of Saratoga | Town of Moreau |
|---|--|---|--|
| e.i. | Historic Buildings or District | Historic Buildings or District | Historical Building |
| e.ii. | New York State Barge Canal, Old Champlain Canal, Col. Elmer Ellsworth Monument and Grave, Champlain Canal Lock C3 | Old Champlain Canal, Marshall House | The Royal Blockhouse, New York State Barge Canal, Old Champlain Canal, Col. Sidney Berry House |
| e.iii. | New York State Barge Canal (14NR06559), Col. Elmer Ellsworth Monument and Grave (09141.000002 - first Union Soldier to die in the American Civil War), 1 building and 13 structures with the Old Champlain Canal (90NR02762), Champlain Canal Lock C3 (08312.000112) | 1 building for the Marshall House (02NR01910), 13 structures associated with Old Champlain Canal (90NR02762) 4 buildings, 19 objects, 16 sites, and 8 structures with Saratoga National Historical Park (90NR02592) | No buildings objects or structures for either site at the Royal Blockhouse (11001062). 1 building for the Col. Sidney Berry House (03NR05115). 13 structures associated with the Old Champlain Canal (90NR02762) No structures associated with the NYS Barge Canal (14NR06559) |
| f. | Yes | Yes | Yes |
| g. | Yes | Yes | Yes |
| g.i. | US Post Office (09141.000040) | Saratoga National Historic Park, Marshall House (09116.000132, 90NR02592) | NA |
| g.ii. | US National Register of Historic Places, CRIS | US National Register of Historic Places, CRIS | US National Register of Historic Places |
| h. | Yes | Yes | Yes |
| h.i. | Lakes to Locks Passage | Lakes to Locks Passage | Lakes to Locks Passage |
| h.ii. | National & NYS Scenic Byway | National & NYS Scenic Byway | National & NYS Scenic Byway |
| h.iii. | 0 miles | 0 miles | 0 miles |
| i. | No | No | No |
| i.i. | NA | NA | NA |
| i.ii. | NA | NA | NA |


**New York State Canal Corporation Embankment Maintenance Program
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|  | Town of Northumberland | Town of Stillwater | Town of Clifton Park |
|---|--|--|--|
| B. Government Entity and Agency/Approval | | | |
| i. (i.i.) | No | No | No |
| i.ii. | No | No | No |
| i.iii. | No | No | No |
| C.2. Adopted Land Use Plans | | | |
| a. | Yes, Yes | Yes, Yes - Identify areas of existing and potential public waterfront access, particularly along the Hudson River, and improve these areas, as applicable, taking into consideration the NYS Canal Recreationway Plan and the Eastern Gateway Canal Regional Plan; explore the development of a public marina on the Hudson River. | Yes, Yes |
| b. | Yes - NYS Heritage Area Mohawk Valley Heritage Corridor, NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership | Yes - NYS Heritage Area Mohawk Valley Heritage Corridor, NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership | Yes - NYS Heritage Area Mohawk Valley Heritage Corridor, NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership |
| c. | Yes- Saratoga County Farmland & Open Space Protection Plan | Yes- Saratoga County Farmland & Open Space Protection Plan | Yes- Saratoga County Farmland & Open Space Protection Plan |
| C.3 Zoning | | | |
| a. | Yes- Hamlet and Agricultural Protection District | Yes- Rural Conservation, Neighborhood, Mixed Use, Gateway, Riverfront Corridor, Mixed Use Center | Yes- Parkland protection |
| C.4 Existing Community Services | | | |
| a. | Schuylerville Central School District | Mechanicville City School District and Stillwater Central School District | Niskayuna Central School District and Shenendehowa Central School District |
| b. | Saratoga County Sheriff's Department, State Police | Stillwater Police Department, Saratoga County Sheriff's Department, State Police | Saratoga County Sheriff's Department, State Police |
| c. | Gansevoort Volunteer Fire Department | Mechanicville Fire Department | Vischer Ferry Fire District, Vischer Ferry Volunteer Fire Department, Rexford Fire District, Alplaus Volunteer Fire District, Clifton Park Fire Department |
| d. | Starks Knob, Hudson Crossing Park | Saratoga National Historic Park, Lock 4 State Canal Park | Visher Ferry Nature and Historic Preserve |
| D.1. Proposed & Potential Development | | | |
| b. | Up To Approximately 705 acres | Up To Approximately 466 acres | Up To Approximately 1812 acres |
| b.b. | Up To Approximately 705 acres | Up To Approximately 466 acres | Up To Approximately 1812 acres |
| E.1. Land Uses on and Surrounding the Project Site | | | |
| a. Existing land uses | Agriculture, Rural, Residential | Rural, Residential, Agriculture, Forest | Rural, commercial, park |
| b. Land Use or Coverttype | (Intentionally left empty) | (Intentionally left empty) | (Intentionally left empty) |
| b. (continued) Roads, buildings, and other paved or impervious surfaces | Approximately 141 acres; Approximately 141 acres; NA | Approximately 93 acres; Approximately 93 acres; NA | Approximately 362 acres; Approximately 362 acres; NA |
| b. (continued) Forested | Approximately 71 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | NA | Approximately 181 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Meadows, grasslands or brushlands | NA | NA | NA |


**New York State Canal Corporation Embankment Maintenance Program
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|  | Town of Northumberland | Town of Stillwater | Town of Clifton Park |
|---|---|---|--|
| b. (continued) Agriculture | NA | NA | NA |
| b. (continued) Surface water features | Approximately 353 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 362 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 1087 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Wetlands | Approximately 141 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | NA | Approximately 362 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Non-vegetated | NA | NA | NA |
| b. (continued) Other | NA | NA | NA |
| d. | Yes | Yes | No. |
| d.i. | Schuylerville Central School District | Stillwater Central School District, Community Committee on Eldercare | Shenendahowa Central School District, Waterford-Halfmoon Union Free School |
| e. | Yes Thompson Island Dam, Fort Miller Dam at lock C-6, Northumberland Dam, Champlain Canal Lock C-5 | Yes Lock C-3 Dam at Mechanicville/Stillwater boundary | Yes Vischer Ferry Dam |
| e.i. | Thompson Island Dam (15 ft height, 736 ft length, Surface area 36 acres, Volume Impounded 1000 acre-ft) Fort Miller Dam (5 ft height, 1320 ft length, Surface area 230 acres, Volume Impounded 1150 acre-ft) Northumberland Dam (16 ft height, 805 ft length, Surface area 2750 acres, Volume Impounded 3350 acre-ft) | Dam Height C-3 37 ft, Dam Length C-3 1220 ft, Surface Area C-3 260 acres, Volume Impounded C-3 8785 acre-ft | Dam height: 42 ft, dam length: 2087 ft, max discharge (cubic feet/second) 165,000, Volume Impounded (acre-feet) 33,500 |
| e.ii. | Thompson Island Dam (A) Fort Miller Dam (A) Northumberland Dam (A) | C-3 (C) | C |
| e.iii. | Thompson Island Dam (8/27/1971) Fort Miller Dam (3/17/1986) Northumberland Dam (5/19/2011) | C-3 (1/1/1990) | 3/7/2018 |
| h. | Yes | yes | Yes |
| h.i. | Environmental Site Remediation Database, ID numbers 546031 Spills Incidents 8302208, 8302507, 8602888, 8602880, 8604063, 8604826, 8604827, 9313408, 9412461, 9503900, 9700264, 9706129, 0104265, 0203653, 0307931, 0480008, 9300231, 9210352, 9103777, 9010331, 9001626, 8709284, 8704792 | Environmental Site Remediation Database, ID numbers B00197 and 546017, 546031 Spills Incidents 8605559, 8911657, 1511257, 9510864 | Environmental Site Remediation Database, ID numbers 447013, 447017, 447011, 447013A, 401035 Spills Incidents 0411139, 8700888, 0305854 |


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|  | <p align="center">Town of Northumberland</p> | <p align="center">Town of Stillwater</p> | <p align="center">Town of Clifton Park</p> |
|---|--|--|---|
| <p>h.ii.</p> | <p>Site 546031 - Site Location: This site includes the nearly 200-mile stretch of the Hudson River that extends from Hudson Falls in Washington County to the Battery in New York City. The river is part of the Champlain Canal between Fort Edward and Waterford. Site Features: The site includes the main stem of the Hudson River, as well as the associated flood plains, river banks, riverine fringing wetlands, and backwater areas. Current zoning / uses: The river is currently used for recreation, transportation, and as a source of water for drinking and other purposes. The river floodplain areas include all types of land uses, from passive / recreational to residential to commercial / industrial. Historical uses: The General Electric Company (GE) discharged PCBs into the river from two capacitor manufacturing plants located in Hudson Falls and Fort Edward starting sometime in 1946. Previous investigations identified 40 areas or 'hot spots' in the upper Hudson that had sediments contaminated with greater than 50 ppm of PCBs. Also included in the definition of this site are five Remnant Deposits or river sediment areas that were exposed when the level of the river was lowered when the Fort Edward Dam was removed in 1973. EPA issued a Record of Decision (ROD) for this National Priorities List site on September 25, 1984 which included: in-place containment of the Remnant Deposits; evaluation of downstream domestic water quality at Waterford, New York; and interim 'No Action' as to the PCB-contaminated river sediment. The 1984 ROD indicated that both the No Action decision for the river sediments and the containment remedy for the Remnant Deposits might be reexamined by EPA in the future. The containment remedy for the Remnant Deposits was performed by GE under a 1990 Consent Decree with EPA. In addition, in 1990, NYSDEC completed the evaluation of downstream domestic water quality at Waterford, New York, which concluded that PCB concentrations were below analytical detection limits after treatment and met standards applicable to public water supplies. In December 1989, EPA announced its decision to initiate a detailed Reassessment Remedial Investigation/Feasibility Study (RI/FS) of the September 1984 decision concerning the PCB contaminated Hudson River sediments. The Reassessment culminated with EPA's issuance of a second ROD for the site in February 2002 which included the dredging of an estimated 2.65 million cubic yards of PCB contaminated sediments from the Upper Hudson River (between Fort Edward and Troy), which was estimated in the ROD to contain about 66,300 kilograms of total PCBs (approximately</p> | <p>Site 546031 - Site Location: This site includes the nearly 200-mile stretch of the Hudson River that extends from Hudson Falls in Washington County to the Battery in New York City. The river is part of the Champlain Canal between Fort Edward and Waterford. Site Features: The site includes the main stem of the Hudson River, as well as the associated flood plains, river banks, riverine fringing wetlands, and backwater areas. Current zoning / uses: The river is currently used for recreation, transportation, and as a source of water for drinking and other purposes. The river floodplain areas include all types of land uses, from passive / recreational to residential to commercial / industrial. Historical uses: The General Electric Company (GE) discharged PCBs into the river from two capacitor manufacturing plants located in Hudson Falls and Fort Edward starting sometime in 1946. Previous investigations identified 40 areas or 'hot spots' in the upper Hudson that had sediments contaminated with greater than 50 ppm of PCBs. Also included in the definition of this site are five Remnant Deposits or river sediment areas that were exposed when the level of the river was lowered when the Fort Edward Dam was removed in 1973. EPA issued a Record of Decision (ROD) for this National Priorities List site on September 25, 1984 which included: in-place containment of the Remnant Deposits; evaluation of downstream domestic water quality at Waterford, New York; and interim 'No Action' as to the PCB-contaminated river sediment. The 1984 ROD indicated that both the No Action decision for the river sediments and the containment remedy for the Remnant Deposits might be reexamined by EPA in the future. The containment remedy for the Remnant Deposits was performed by GE under a 1990 Consent Decree with EPA. In addition, in 1990, NYSDEC completed the evaluation of downstream domestic water quality at Waterford, New York, which concluded that PCB concentrations were below analytical detection limits after treatment and met standards applicable to public water supplies. In December 1989, EPA announced its decision to initiate a detailed Reassessment Remedial Investigation/Feasibility Study (RI/FS) of the September 1984 decision concerning the PCB contaminated Hudson River sediments. The Reassessment culminated with EPA's issuance of a second ROD for the site in February 2002 which included the dredging of an estimated 2.65 million cubic yards of PCB contaminated sediments from the Upper Hudson River (between Fort Edward and Troy), which was estimated in the ROD to contain about 66,300 kilograms of total PCBs (approximately</p> | <p align="center">NA</p> |


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|  | <p align="center">Town of Northumberland</p> | <p align="center">Town of Stillwater</p> | <p align="center">Town of Clifton Park</p> |
|---|---|---|--|
| | <p>65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project. EPA issued a series of Orders to GE for performance of the engineering design for the project. Project design has been completed for Phase 1 (the first year) of the dredging program, and is ongoing for the remainder of the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2. The changes to the project for Phase 2 were provided to GE in December 2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10. Construction work for Phase 2 of the remedial project started in 2011, and was completed in 2016. Dredging was completed in fall 2015; habitat reconstruction was completed in 2016. Facility decommissioning was performed in 2016. For more information on the Hudson River Fish advisory, copy and paste this link into a web browser: https://www.health.ny.gov/environmental/outdoors/fish/udson_river/advisory_outreach_project/</p> | <p>65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project. EPA issued a series of Orders to GE for performance of the engineering design for the project. Project design has been completed for Phase 1 (the first year) of the dredging program, and is ongoing for the remainder of the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2. The changes to the project for Phase 2 were provided to GE in December 2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10. Construction work for Phase 2 of the remedial project started in 2011, and was completed in 2016. Dredging was completed in fall 2015; habitat reconstruction was completed in 2016. Facility decommissioning was performed in 2016. For more information on the Hudson River Fish advisory, copy and paste this link into a web browser: https://www.health.ny.gov/environmental/outdoors/fish/udson_river/advisory_outreach_project/</p> | |
| <p>h.iii.</p> | <p>Environmental Site Remediation Database, ID numbers 546031, 558003</p> | <p>Environmental Site Remediation Database, ID numbers B00197 and 546017, 546031, 546009, 442033</p> | <p>Environmental Site Remediation Database, ID numbers 447013, 447017, 447011, 447013A, 401035</p> |


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|  | Town of Northumberland | Town of Stillwater | Town of Clifton Park |
|---|--|--|---|
| <p>h.iv. Land uses on and surrounding the project site</p> | <p>546031 at risk for PCB's Classification 02 558003 site is under maintenance for PCB's and only low levels have been found. Classification 04 8302208 unknown spill into surface water case closed 1988 8302507 unknown spill into surface water case cloed 1984 8602888 petroleum spill in surface water case closed 1986 8602880 material spill in surface water case closed 1986 8604063 chlorosilane 15 gallons spilled affected air due to equipment failure 8604826 spill due to equipment failure closed 1986. 8604826 spill due to equipment failure closed 1987. 8604827 100 lbs methyl chloride equipment failure closed 1986 9313408 #2 fuel oil 5 gallons due to tank overfill closed 1994 9412461 5 gal of gasoline tank overfill closed 1994 9503900 closed 1995 transformer oil and non PCB oil 9700264 rubber tires spill into surface water closed 1997 9706129 housekeeping cause oil into soil closed 2010 0104265 closed 2001 0203653 foam on hudson river closed 2002 0307931 petroleum spill into lock 5 closed 2004 0480008 motor oil spilled into soil closed 2004 9300231 (case closed 1996), 9210352 (case closed 1993), 9103777 (case closed 1991), 9010331 (case closed 1991), 9001626 (case closed 1990), 8709284 (case closed 1988), 8704792 (case closed 1996)</p> | <p>B00197 is classification C and contaminants of concern identified during the site investigation include VOCs, SVOCs, PCBs, metals. Significant petroleum contamination under the boiler house resulted in the demolition of the building and the removal of the contaminated soil under the building.</p> <p>546017 is classification N and is listed on DEC website though no hazardous materials were found. 8605559 paper mill waste 5 gallons in soil due to human error closed in 1986. 8911657 kerosene spill due to equipment failure closed 1990. 1511257 unknown spill into hudson. closed 2016 9510864 diesel during traffic accident closed 1995</p> | <p>G.E.Reseach and Development, Incactive Landfill; Knolls Atomic Power Laboratory (Active); Seperations Process Research Unit (at KAPL Site) (active); GE Research and development Center(inactive, site is capped and fenced); Jack the Stripper, former furnishing refinishing business (Inactive).</p> <p>0411139 kerosene 175 gal into soil from tank failure. case closed 2006. 8700888 petroleum into soil by traffic accident closed in 1987 0305854 non PCB oil 20 gallons into soil. closed 2003.</p> |
| h.v. | Deed Restriction for 558003 to control discharge, site security, consent | Environmental Easement for B00197 to control Ground water use, cover | None |
| E.2. Natural Resources On or Near Project | | | |
| a. | More than 80 inches | More than 80 inches | More than 80 inches |
| c. | Water (56.1%), Limerick Saco Complex (8.3%), Teel silt loam (6.3%) | Water (79.4%), Tioga fine Sandy loam (5.4%), Limerick-Saco complex | 10% water, 2.7% wayland soils complex, 1.3% scio silt loam |
| d. | Approximately 20 inches | 0 to 18 inches and 36 to 72 inches | 16-24 inches |
| e. | Poorly Drained 8.3%, Moderatly Well Drained 6.3% | Poorly drained (3.9%), Well Drained (5.4%) | Well Drained (4.2%), Moderatly Well Drained (8.9%) |
| f. | 0-3% is teel silt loam, 0-3% is limerick-Saco complex | 0-3% is Limerick-Saco Complex and Tioga fine Sandy Loam | 0-3% Burdett silt loam, 0-3% Wayland soils complex |
| g. | Significant Natural Communities, State Regulated Wetlands and Rare | Significant Natural Communities, State Regulated Wetlands and Rare | State Regulated Wetlands and Rare Plants or Animals |
| h. (h.i.) | Yes | Yes | Yes |
| h.ii. | Yes | Yes | Yes |
| h.iii. | Yes | Yes | Yes |


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|  | Town of Northumberland | Town of Stillwater | Town of Clifton Park |
|---|---|--|---|
| h. iv. | Freshwater Forested/Shrub Wetland (PFO1Ch - Approximately 2 acre) Freshwater Forested/Shrub Wetland (PFO1Cd - Approximately 3 acre) Freshwater Forested/Shrub Wetland (PFO1Eh - Approximately 25 acre) Freshwater Forested/Shrub Wetland (PEM1C - Approximately 4 acre) Riverine Hbitat (R4SBC -Approximately 0.5 acre) Freshwater Pond (PUBHh - Approximately 1 acre) Freshwater Forested/Shrub Wetland (PSS1/EM1Ed - Approximately 5 acre) 941-103 (Classification C) 941-99, 941-3, 941-94, 941-99.2, 941-101.1 (classification C (TS) and Classification B)) SY-7, SY-8, SY-13, SY-5 | Freshwater Forested/Shrub Wetland (PFO1Ch - Approximately 4 acres) Freshwater Forested/Shrub Wetland (PEM1Ch - Approximately 20 acres) Riverine Habitat (R2UBHx -Approximately 0.5 acres) Freshwater Pond (PUB/SS1F -Approximately 1 acres) Freshwater Forested/Shrub Wetland (PSS1/FO1E - Approximately 50 acres) Freshwater Forested/Shrub Wetland (PSS1/FO1Eh - Approximately 5 acres) Other (Pf - 10 acres) Freshwater Forested/Shrub Wetland (PEM1/SS1Ch - Approximately 20 acres) Freshwater Emergent Wetland (PEM1Ch - Approximately 5 acres) 941-3, 941-76.2, 941-76.1, 941-76.3, 941-83.1 (Class B and C) 941-87, 941-90.2, 941-91 (Class C) ME-6, SK-1, SY-13 | Freshwater Emergent Wetland (PEM1Eh - 4 acres) Freshwater Forested/Shrub Wetland (PFO1Eh - 3 acres) Freshwater Forested/Shrub Wetland (PEM1E - 2 acres) Freshwater Forested/Shrub Wetland (PFO1/SS1Cd - 16 acres) Freshwater Forested/Shrub Wetland (PFO1Ch - 6 acres) Riverine Habitat (R3UBH - 1 acre) Freshwater Pond (PUBHx - 3 acres) Lake Habitat (L1UBHh) 876-6, 876-31, 876-26, 876-5, 941-20.1, 941-27 (Classification A, C, C(TS), C(T)) Wetland No. N-21, ME-17 |
| h. v. | Upper Hudson, Main Stem - Priority Organics - fish consumption | Upper Hudson, Main Stem - Priority Organics - fish consumption | Upper Hudson, Main Stem - Priority Organics - fish consumption |
| i. | Yes | Yes | Yes |
| j. | Yes | Yes | Yes |
| k. | Yes | Yes | Yes |
| l. | Yes | Yes | Yes |
| l.i. | Principal Aquifer | Principal Aquifer | Principal Aquifer, Sole Source Aquifer Names: Schenectady-Niskayuna |
| n. | No | Yes | No |
| n.i. | N/A | Successional Fern Meadow, Floodplain Forest, Vernal Pool | N/A |
| n.ii. | N/A | N/A | N/A |
| n.iii. | N/A | 10.3 acres fern meadow, 68.57 acres floodplain forest, 2.3 acres vernal | N/A |
| o. | Yes -Bald Eagle, Northern Long-eared Bat (Federal) | Yes - Northern Long-eared Bat (Federal), Rough Pennyroyal, Northern | Yes- Culvers Root, Bald Eagle (NYS) |
| p. | No | No | No |
| E.3 Designated Public Resources On or Near | | | |
| a. | yes Saratoga 1 (SARA001) | Yes Saratoga 1 (SARA001) | Yes |
| b. | Yes | Yes | Yes |
| b.i. | Approximately 144.9 acres | Approximately 52.4 acres | Approximately 122.4 acres |
| b.ii. | Web Soil Survey | Web Soil Survey | Web Soil Survey |
| c. | No | No | No |
| c.i. | N/A | N/A | N/a |
| c.ii. | N/A | N/A | N/A |
| d. | No | Yes | No |
| d.i. | N/A | Agricultural District | N/A |
| d.ii. | N/A | Unique character of resources | N/A |
| d.iii. | N/A | Town of Easton (5-02-84) | N/A |
| e. | Yes | Yes | Yes |


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|  | Town of Northumberland | Town of Stillwater | Town of Clifton Park |
|---|--|---|---|
| e.i. | Historical Building | Historic Buildings or District | Historic Buildings or District |
| e.ii. | New York State Barge Canal, Old Champlain Canal | Old Champlain Canal, Stillwater United Church, Saratoga National Historic Park, New York State Barge Canal | New York State Barge Canal, Niskayuna Rail Road Station, Cyrus Rexford House, Vischer Ferry Historic District |
| e.iii. | 13 structures associated with the Old Champlain Canal (90NR02762) | New York State Barge Canal (14NR06559), 1 building for the Stillwater United Church (09148.000012, 06NR05575) , 13 structures associated with Old Champlain Canal (90NR02762) 4 buildings, 19 objects, 16 sites, and 8 structures with Saratoga National Historical Park (90NR02592) | New York State Barge Canal (14NR06559), Vischer Ferry Historic District (90NR02587), 1 building for Cyrus Rexford House (10NR06156), 1 building for Niskayuna Rail Road Station (09303.000050) |
| f. | Yes | Yes | Yes |
| g. | Yes | No | Yes |
| g.i. | Marshall House (09116.000132, 90NR02592) Col. Sidney Berry House (09114.000010, 03NR05115) | NA | Visscher Ferry Historic district; Survey #: 08SR58172 Phase I Archaeological Investigations of the Proposed Western Clifton Park Riverfront Public Access, Town of Clifton Park, Saratoga County, New York; Survey Number: 14SR63030 Name: Phase I and II Archaeological Investigations of the Onderdonk Road Proposed Wetland Mitigation Project, Clutes Drydock (09103.000276) |
| g.ii. | US National Register of Historic Places, CRIS | NA | Cultural Resource Information System |
| h. | Yes | Yes | Yes |
| h.i. | Lakes to Locks Passage | Lakes to Locks Passage | Mohawk Towpath Scenic Byway |
| h.ii. | National & NYS Scenic Byway | National & NYS Scenic Byway | National & NYS Scenic Byway |
| h.iii. | 0 miles | 0 miles | 0 miles |
| i. | No | No | No |
| i.i. | NA | NA | N/A |
| i.ii. | NA | NA | N/A |


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|  | Town of Halfmoon | Town of Waterford |
|---|--|---|
| B. Government Entity and Agency/Approval | | |
| i. (i.i.) | No | No |
| i.ii. | No | Yes |
| i.iii. | No | No |
| C.2. Adopted Land Use Plans | | |
| a. | Yes, Yes | Yes, Yes |
| b. | Yes - NYS Heritage Area Mohawk Valley Heritage Corridor, NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership | Yes - NYS Heritage Area Mohawk Valley Heritage Corridor, NPS Erie Canalway National Heritage Corridor & Champlain Valley National Heritage Partnership |
| c. | Yes- Saratoga County Farmland & Open Space Protection Plan | Yes- Saratoga County Farmland & Open Space Protection Plan |
| C.3 Zoning | | |
| a. | yes - Residential, commercial, agriculture residential, industrial | Yes, Land Conservation District, Industrial District, manufacturing district, planned district, rural residential district, residence district, commercial district |
| C.4 Existing Community Services | | |
| a. | Shenendehowa Central School District, Waterford-Halfmoon Union Free School District, and Mechanicville City School District | Shenendehowa Central School District and Waterford-Halfmoon Union Free School District |
| b | Waterford Police Department, Saratoga County Sheriff's Department, State Police | Waterford Police Department, Saratoga County Sheriff's Department, State Police |
| c | Halfmoon-Waterford Fire District 1 | Halfmoon-Waterford Fire District 1 |
| d | None | Peeble Island State Park, Lock 6 Canal Park |
| D.1. Proposed & Potential Development | | |
| b. | Up To Approximately 980 acres | Up To Approximately 770 acres |
| b.b. | Up To Approximately 980 acres | Up To Approximately 770 acres |
| E.1. Land Uses on and Surrounding the Project Site | | |
| a. Existing land uses | Residential, Commercial, industrial, Agriculture | Residential, Commercial, Manufacturing, Industrial, Forest |
| b. Land Use or Coverttype | (Intentionally left empty) | (Intentionally left empty) |
| b. (continued) Roads, buildings, and other paved or impervious surfaces | Approximately 98; Approximately 98; NA | Approximately 154; Approximately 154; NA |
| b. (continued) Forested | Approximately 98; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 77; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Meadows, grasslands or brushlands | NA | NA |


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|  | Town of Halfmoon | Town of Waterford |
|---|--|--|
| b. (continued) Agriculture | NA | NA |
| b. (continued) Surface water features | Approximately 686 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 461 acres; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Wetlands | Approximately 98; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. | Approximately 154; TBD since acreage after project completion cannot be determined as this will be dependent on maintenance activity. |
| b. (continued) Non-vegetated | NA | NA |
| b. (continued) Other | NA | NA |
| d. | Yes | Yes |
| d.i. | Waterford-Halfmoon Union Free School | Waterford-Halfmoon Union Free School |
| e. | Yes Lock C-2 Dam at Mechanicville | Yes Lock C-1 Dam at Waterford, Fourth Branch Dam, NEW YORK STATE DAM, Lock E-4 Embankment Dam, Crescent Dam |
| e.i. | Dam Height C-2 23 ft, Dam Length C-2 963 ft, Surface Area C-2 286 acres, Volume Impounded C-2 2716 acre-ft | C-1 (dam height 24 ft, dam length 1100 ft, surface area 400 acres, Volume Impounded 11600 acre-ft) fourth branch dam (dam height 11 ft, dam length 600 ft, surface area 6 acres, Volume Impounded 22 acre-ft) NEW YORK STATE DAM (dam height 20 ft, dam length 1120 ft, surface area 29.7 acres, Volume Impounded 1087 acre-ft) Lock E-4 Embankment Dam (dam height 34 ft, dam length 2860 ft, surface area 14 acres, Volume Impounded 250 acre-ft) Crescent Dam (dam height 45 ft, dam length 2001 ft, surface area 1996 acres, Volume Impounded 67900 acre-ft) |
| e.ii. | C-2 (A) | C-1 (B), Fourth Branch Dam (B), NEW YORK STATE DAM (B), Lock E-4 Embankment Dam (C), Crescent Dam (C) |
| e.iii. | C-2 (11/29/1990) | C-1 (6/2/2010), Fourth Branch Dam (6/22/1971), NEW YORK STATE DAM (9/11/1986), Lock E-4 Embankment Dam (3/24/2010), Crescent Dam (1/1/1990) |
| h. | Yes | Yes |
| h.i. | Environmental Site Remediation Database, ID numbers 546031, 546013, 401004, 546003 Spills Incidents 8709996, 9713982, 1111236, 1409782, 9508649 | Environmental Site Remediation Database, ID numbers 546031, 546018, 546045 Spills Database 8600295, 8700105, 8700106, 8700466, 8700845, 8701504, 8701514, 1606433, 1106553, 1205988 |


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|  | <p align="center">Town of Halfmoon</p> | <p align="center">Town of Waterford</p> |
|---|--|--|
| <p>h.ii.</p> | <p>Site 546031 - Site Location: This site includes the nearly 200-mile stretch of the Hudson River that extends from Hudson Falls in Washington County to the Battery in New York City. The river is part of the Champlain Canal between Fort Edward and Waterford. Site Features: The site includes the main stem of the Hudson River, as well as the associated flood plains, river banks, riverine fringing wetlands, and backwater areas. Current zoning / uses: The river is currently used for recreation, transportation, and as a source of water for drinking and other purposes. The river floodplain areas include all types of land uses, from passive / recreational to residential to commercial / industrial. Historical uses: The General Electric Company (GE) discharged PCBs into the river from two capacitor manufacturing plants located in Hudson Falls and Fort Edward starting sometime in 1946. Previous investigations identified 40 areas or 'hot spots' in the upper Hudson that had sediments contaminated with greater than 50 ppm of PCBs. Also included in the definition of this site are five Remnant Deposits or river sediment areas that were exposed when the level of the river was lowered when the Fort Edward Dam was removed in 1973. EPA issued a Record of Decision (ROD) for this National Priorities List site on September 25, 1984 which included: in-place containment of the Remnant Deposits; evaluation of downstream domestic water quality at Waterford, New York; and interim 'No Action' as to the PCB-contaminated river sediment. The 1984 ROD indicated that both the No Action decision for the river sediments and the containment remedy for the Remnant Deposits might be reexamined by EPA in the future. The containment remedy for the Remnant Deposits was performed by GE under a 1990 Consent Decree with EPA. In addition, in 1990, NYSDEC completed the evaluation of downstream domestic water quality at Waterford, New York, which concluded that PCB concentrations were below analytical detection limits after treatment and met standards applicable to public water supplies. In December 1989, EPA announced its decision to initiate a detailed Reassessment Remedial Investigation/Feasibility Study (RI/FS) of the September 1984 decision concerning the PCB contaminated Hudson River sediments. The Reassessment culminated with EPA's issuance of a second ROD for the site in February 2002 which included the dredging of an estimated 2.65 million cubic yards of PCB contaminated sediments from the Upper Hudson River (between Fort Edward and Troy), which was estimated in the ROD to contain about 66,300 kilograms of total PCBs (approximately</p> | <p>Momentive Performance Materials Silicones, LLC in Waterford, New York. Hazardous waste releases from the landfills, sewer system, underground storage tanks, and the manufacturing areas contaminating the soil and groundwater. All though this is being regulated and nobody is drinking any water that is contaminated. OSHA has been involved in the health and safety plan for the site.</p> <p>The management of hazardous waste at this facility requires a NYS Part 373 Hazardous Waste Management permit. There was also a New York State consent decree issued to former owner General Electric in 1987, addressing groundwater contamination at the site, which was later included into the final Corrective Measures implemented at the site.</p> <p>This Resource Conservation and Recovery Act (RCRA) permit was originally issued in 1989 and renewed in 1999. It authorizes the facility to store hazardous waste in tanks and containers, operate two hazardous waste incinerators and operate a hazardous waste landfill. The NYS Part 373 permit was modified in 2003.</p> |


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|  | <p align="center">Town of Halfmoon</p> | <p align="center">Town of Waterford</p> |
|---|---|---|
| | <p>65% of the total PCB mass estimated to be present within the Upper Hudson River). The ROD also identified further evaluation of PCB contamination in the flood plains concurrent with the design phase of the project. EPA issued a series of Orders to GE for performance of the engineering design for the project. Project design has been completed for Phase 1 (the first year) of the dredging program, and is ongoing for the remainder of the project. Phase 1 dredging commenced in May 2009, and was completed in October 2009. After completion of Phase 1, EPA reviewed the environmental monitoring and operational data to determine the changes to the project standards and to project design specifications for Phase 2. The changes to the project for Phase 2 were provided to GE in December 2010. GE, in accordance with the Consent Decree for the site, opted to implement Phase 2 of the remedy on 12/31/10. Construction work for Phase 2 of the remedial project started in 2011, and was completed in 2016. Dredging was completed in fall 2015; habitat reconstruction was completed in 2016. Facility decommissioning was performed in 2016. For more information on the Hudson River Fish advisory, copy and paste this link into a web browser: https://www.health.ny.gov/environmental/outdoors/fish/udson_river/advisory_outreach_project/</p> | |
| <p>h.iii.</p> | <p>Environmental Site Remediation Database, ID numbers 546031, 546013, 401004, 546003</p> | <p>Environmental Site Remediation Database, ID numbers 546031, 401043, 401004, 401063, 546018</p> |


**New York State Canal Corporation Embankment Maintenance Program
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|  | Town of Halfmoon | Town of Waterford |
|---|---|--|
| h.iv. Land uses on and surrounding the project site | <p>546013 at risk for Toluene F005 Classification 03 401004 has contaminants of concern in groundwater including toluence, lead, and chromium. NO waste disposal has been confirmed. Classification 03 546003 volatile organics, metals, and benzene found in groundwater Classification 02 546031 at risk for PCB's Classification 02</p> <p>8709996 150 gallon of gasoline spill due to equipment failure at gas station. Case closed 1988. 9713982 petroleum spilled into soil. closed 1999 1111236 #2 fuel oil spilled into soil. Closed 2011 1409782 motor oil spilled into soil due to traffic accident. closed 2015 9508649 petroleum into soil closed 2006</p> | <p>546031 at risk for PCB's Classification 02 401004 has contaminants of concern in groundwater including toluence, lead, and chromium. NO waste disposal has been confirmed. Classification 03 401043 This is part of the RCRA corrective action. Classification C 401063 has tetrachloroethene and trichloroethene as the primary contaminants Classification 02 546018 is a dumb lagoon and is contaminated with PCB's, arsenic, lead, asbestos, etc. Classification C. 546045 many contaminants in groundwater. Classification 02 8600295 100 lbs of toluol spilled into surface water case closed 1986. 8700105 10 lbs of dichloromethylphenysilane due to equipment failure closed in 1987. 8700106 methyl chloride 40 lbs in the air closed 1987 8700466 diphenyldichlorosilane 150 GAL in soil due to equipment failure. Closed 1987. 8700845 25 gal diesel spilled into groundwater closed in 1987. 8701504 10 gal phenyl trichlorosilane spilled into soil 8701514 Hydrogen chloride 150 gal spilled into soil due to equipment failure closed 1987 1606433 #2 fuel oil 2 gallons equipment failure. closed 2017. 1106553 5 gal oil due to traffic accident closed 2011 1205988 brake fluid equipment failure closed 2012</p> |
| h.v. | 546003 has a deed restriction to control cover system, leachate | None |
| E.2. Natural Resources On or Near Project | | |
| a. | More than 80 inches | 18-40 inches |
| c. | Water (70.0%), udorthents, smoothed (3.7%), teel silt loam (2.9%) | Water (43.6%), Broadalbin-Manllius-Nassau, complex, undulating |
| d. | 18-24 inches, 36-72 inches | 18-36 inches, More than 80 inches |
| e. | Well Drained (3.7%), Moderatly Well Drained (2.9%) | Well Drained (10.7%), Moderatly Well Drained (13.2%) |
| f. | 0-3% is teel silt loam, 0-8% is Udorthents, smoothed | 3-8% is Broadalbin-Manllius-Nassau, complex, undulating, 8-15% is |
| g. | State Regulated Wetlands and Rare Plants or Animals | Cohoes Falls |
| h. (h.i.) | Yes | Yes |
| h.ii. | Yes | Yes |
| h.iii. | Yes | Yes |

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|  | Town of Halfmoon | Town of Waterford |
|---|---|--|
| h.iv. | Freshwater Forested/Shrub Wetland (PFO1A - Approximately 6 acres) Freshwater Forested/Shrub Wetland (PFO1Eh - Approximately 15 acres) Freshwater Forested/Shrub Wetland (PEM1E - Approximately 10 acres) Freshwater Forested/Shrub Wetland (PFO1/SS1Cd - Approximately 3 acres) Freshwater Forested/Shrub Wetland (PFO1Ch - Approximately 8 acres) Riverine Hbitat (R3UBH - Approximately 1 acre) Freshwater Pond (PUBHx - Approximately 2 acres) 876-6, 876-31, 876-26, 876-5, 941-20.1, 941-27 (Classification A, C, C(TS), C(T)) Wetland No. N-21, ME-17 | Freshwater Forested/Shrub Wetland (PFO1E - Approximately 3 acres) Freshwater Forested/Shrub Wetland (PFO1Eh - Approximately 10 acres) Freshwater Forested/Shrub Wetland (PEM1E - Approximately 6 acres) Freshwater Forested/Shrub Wetland (PFO1/SS1Cd - Approximately 2 acres) Freshwater Forested/Shrub Wetland (PFO1Ch - Approximately 3 acres) Riverine Hbitat (R3UBH - Approximately 1 acres) Freshwater Pond (PUBHx - Approximately 3 acres) Other (Pf - Approximately 3 acres) 941-1, 876-5, 876-1, 876-22, 876-4, 876-23 (Classification A, C) 941-17.1 (Classification C) T-5, T-7, T-9, T-8 Wetland No.'s |
| h.v. | Upper Hudson, Main Stem - Priority Organics - fish consumption | Upper Hudson, Main Stem - Priority Organics - fish consumption |
| i. | Yes | Yes |
| j. | Yes | Yes |
| k. | Yes | Yes |
| l. | Yes | Yes |
| l.i. | Principal Aquifer, Sole Source Aquifer Names: Schenectady-Niskayuna | Principal Aquifer, Sole Source Aquifer Names: Schenectady-Niskayuna |
| n. | No | Yes |
| n.i. | N/A | Shale Cliff and Talus Community, Vernal Pool, Floodplain Grassland |
| n.ii. | N/A | N/A |
| n.iii. | N/A | 16.48, 3.66, 1.5 acres |
| o. | Yes -Bald Eagle, Northern Long-eared Bat, Karner Blue Butterfly (Federal) | Yes -Bald Eagle, Northern Long-eared Bat (Federal) |
| p. | Yes- Rare dragonflies and Damselfies | Yes- Rare dragonflies and Damselfies |
| E.3 Designated Public Resources On or Near | | |
| a. | No | No |
| b. | Yes | Yes |
| b.i. | Approximately 169.4 acres | 291.2 acres |
| b.ii. | Web Soil Survey | Web Soil Survey |
| c. | No | No |
| c.i. | N/A | N/A |
| c.ii. | N/A | N/A |
| d. | No | No |
| d.i. | NA | NA |
| d.ii. | NA | NA |
| d.iii. | NA | NA |
| e. | Yes | Yes |

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|  | <p align="center">Town of Halfmoon</p> | <p align="center">Town of Waterford</p> |
|---|---|---|
| e.i. | Historic Buildings or District | Historic Buildings or District |
| e.ii. | New York State Barge canal, Oakcliff, Crescent Methodist Episcopal Church (Demolished), Noxon Bank, Old Champlain Canal, Mechanicville Hydroelectric Plant | Old Champlain Canal, Peebles Island, Northside Historic District, URGER (canal tugboat), Ormsby-Laughlin Textile Companies Mill, Matton Shipyard, CATAWISSA (tugboat), Northside Historic District, New York State Barge Canal Historic District, Harmony Historic District |
| e.iii. | New York State Barge Canal (14NR06559) 2 buildings and 1 structure for Oakcliff (93NR00446) 1 building for the Noxon Bank Building (03NR05136) 1 building for the Crescent Methodist Episcopal Church (97NR01245) 1 building and 13 structures with Old Champlain Canal (90NR02762) 1 building and 3 structures with the Mechanicville Hydroelectric Plant (91NR00034) | 1 building and 13 structures with the Old Champlain Canal (90NR02762) 1 structure with the CATAWISSA tugboat 1 structure with the URGER tugboat (09118.000213) 1 building with the Ormsby-Laughlin Textile Mill (90NR02614) 10 buildings/structures in Peebles Island (90NR02593) 125 buildings and 1 structure in the Northside Historic District (90NR02612) 2 buildings and 10 structures in the New York State Barge Canal Historic District (14NR06559) |
| f. | Yes | Yes |
| g. | Yes | Yes |
| g.i. | Leland House (09110.000191) | Peebles Island State Park (90NR02593): (09118.000213), Electrical Shop (09118.000271), Office and Main Shop (09118.000269), Carpentry Shop (09118.000270), Storage #3 (09118.000267), Storage #4 (09118.000268), Storage #2 (09118.000266), Storage #1 (09118.000265), Storage and Office (09118.000261), Weld Shop (09118.000260), Vehicle and Maintenance Shop (09118.000264), Lean-To (09118.000263), Lumber Shed (09118.000259), Waste Oil Building (09118.000258), Weld Shop (09118.000262); Matton Shipyard (08NR05868, 00141.000348) |
| g.ii. | US National Register of Historic Places, CRIS | US National Register of Historic Places, CRIS |
| h. | Yes | Yes |
| h.i. | Lakes to Locks Passage, Mohawk Towpath Scenic Byway | Lakes to Locks Passage, Mohawk Towpath Scenic Byway |
| h.ii. | National & NYS Scenic Byway | National & NYS Scenic Byway |
| h.iii. | 0 miles | 0 miles |
| i. | No | No |
| i.i. | NA | NA |
| i.ii. | NA | NA |