



SKILLS AND EXPERIENCE

Mr. Fleischer is an environmental scientist and Professional Wetland Scientist and President at Capital Environmental Consultants, Inc. with 22 years of experience conducting wetland and ecological investigations at properties throughout the five boroughs of New York City, Long Island, and the Lower and Mid-Hudson Valley. His areas of expertise include all aspects of federal, state, and local wetland analysis including freshwater and tidal delineation, permitting, construction, and mitigation planning specializing in comprehensive determinations for routine, atypical, and problem wetlands. Greg's areas of specialization are Natural Resource Investigations including vegetation identification and wildlife surveys, threatened and endangered species surveys, and State Environmental Quality Review/Environmental Impact Statements (SEQR/EIS) reviews. Greg has extensive experience providing project planning assistance to counsel, architects and project planners involved in agency negotiations with NYSDEC, USACE, NYSDOS, NYCDCP, NYCDEP and local municipalities.

EDUCATION

- Auburn University, Graduate Certificate Program, Crop and Soil Science, 2022
- Pace University, Master of Science, Environmental Science, 2007
- State University of New York, New Paltz, Bachelor of Science, Environmental Biology, 1999

CERTIFICATIONS

- Certified Professional Wetland Scientist, Society of Wetland Scientists

CONTINUING PROFESSIONAL EDUCATION

Wetland Delineator Program, Rutgers University

- Advanced Wetland Delineation
- Methodology for Delineating Wetlands
- Hydric Soils
- Vegetation Identification
- Wetland Construction Design

NYS Wetland Forum Phase I Bog Turtle Habitat Assessment Training Course, 2015

Woodland Pool Wildlife Workshop

NJ Wetlands Manual Training Workshop

AFFILIATIONS

- **Society of Wetland Scientists**
- **New York State Wetlands Forum**
- **New York Flora Association**

EXPERTISE

Wetlands

- Delineation
- Permitting
- Mitigation Planning

Ecological Assessments

- Natural Resource Inventories
- Vegetation Identification
- Wildlife Surveys
- Threatened & Endangered Species Surveys
- Ecological Community Assessment

Stormwater Analyses in urban and rural environments

- Stormwater Construction Permitting

REPRESENTATIVE PROJECTS

Wetland Delineation and Jurisdictional Determination, Route 9W. Orangetown, New York

Mr. Fleischer performed a wetland delineation for the 106-acre site encompassing a wide variety of environments, watercourses, and waterbodies and secured jurisdictional determinations from both the NYSDEC and USACE. Wetland evaluation consisted of identifying vegetation, hydric soil morphology, and hydrological indicators within a historically developed site and surrounding woodlands. Wetland evaluation also consisted of assessing onsite watercourses for the presence of riparian areas.

Wetland Delineation & Jurisdictional Determination, Morefar Golf Course, Brewster, NY & Danbury, CT

Mr. Fleischer performed a wetland delineation for the 500-acre site encompassing a wide variety of environments, watercourses, and waterbodies and secured jurisdictional determinations from the NYSDEC. Wetland evaluation consisted of identifying vegetation, hydric soil morphology, and hydrological indicators within a historically developed site and surrounding woodlands. Wetland evaluation also consisted of assessing onsite watercourses for the presence of riparian areas. Further, wetland evaluation within the portion of the property within Connecticut entailed assessing hydric soil mapping.

Wetland Delineation and Jurisdictional Determination, Willow Lake Drive. Fishkill, New York

Mr. Fleischer performed a wetland delineation for the 105-acre site encompassing a wide variety of environments, watercourses, and waterbodies and secured jurisdictional determinations from the NYSDEC. Wetland evaluation consisted of identifying vegetation, hydric soil morphology, and

hydrological indicators within a historically developed site and surrounding woodlands. Wetland evaluation also consisted of assessing onsite watercourses for the presence of riparian areas.

Wetland Delineation. Krumville Road. Olivebridge, New York.

Mr. Fleischer performed a wetland delineation for the 29-acre site encompassing a wide variety of environments, wetlands, and watercourses. Wetland evaluation consisted of identifying vegetation, hydric soil morphology, and hydrological indicators throughout the subject property.

Wetland Delineation Confirmation. Monroe, New York

Mr. Fleischer performed confirmation of previously delineated wetland lines for the Town of Monroe. Mr. Fleischer confirmed that the previously delineated wetland lines accurately represented the limits of the existing onsite wetlands and watercourses. With the confirmed wetland lines, the Town of Monroe was able to accurately assess wetland and watercourse impacts resulting from a proposed project.

Wetland Delineation and Permitting, Cannon Avenue. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for a residential site. Mr. Fleischer coordinated with team members to ensure the freshwater wetland permit was secured from the NYSDEC in a timely and efficient manner.

Wetland Delineation. Route 300. Newburgh, New York.

Mr. Fleischer performed a wetland delineation for the 60-acre site encompassing a wide variety of environments, wetlands, and watercourses. Wetland evaluation consisted of identifying vegetation, hydric soil morphology, and hydrological indicators throughout the subject property.

Wetland Delineation and Permitting, Woodvale Avenue. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for a residential site adjacent to a NYCDEP Bluebelt. Mr. Fleischer coordinated with team members to ensure the freshwater wetland permit was secured from the NYSDEC in a timely and efficient manner. The NYSDEC freshwater wetland permit approved construction of a three-house residential development. As part of the NYSDEC freshwater wetland permit, Mr. Fleischer prepared a mitigation plan to compensate for unavoidable impacts to regulated areas.

Wetland Delineation. Equinox Drive. Queensbury, New York

Mr. Fleischer performed a wetland delineation for the 67-acre site encompassing a wide variety of environments, wetlands, and watercourses. Wetland evaluation consisted of identifying vegetation, hydric soil morphology, and hydrological indicators throughout the subject property. Wetland evaluation also consisted of assessing onsite watercourses for the presence of riparian areas.

Threatened and Endangered Species Evaluation, Kings Highway. Orangeburg, New York.

Mr. Fleischer conducted a desktop review of the subject property for listed threatened and

endangered species. Mr. Fleischer then conducted a site visit to assess potential onsite habitat for the listed threatened and endangered species. Based on the results of the site visit, Mr. Fleischer advised the project team on next steps to ensure a potential project would avoid impacts to threatened and endangered species.

Wetland Delineation and Permitting, Richmond Terrace. Staten Island, New York.

Mr. Fleischer performed a tidal wetland delineation and secured a jurisdictional determination for a historically disturbed site adjacent to the Kill Van Kull. Mr. Fleischer coordinated with team members to comply with a NYSDEC consent order and associated tidal wetland permit for a commercial waterfront development. The project design and mitigation involved the removal of shoreline debris, rebuilding of rip-rap, and enhancement of tidal wetlands along the shoreline of the parcel.

Wetland Delineation and Permitting, Edgegrove Avenue. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for a residential site adjacent to a NYCDEP Bluebelt. Mr. Fleischer coordinated with team members to ensure the freshwater wetland permit was secured from the NYSDEC in a timely and efficient manner.

Wetland Delineation & Natural Resources. Chemical Lane. Staten Island, NY

Mr. Fleischer performed a tidal wetland delineation for the 68-acre site encompassing a wide variety of environments and secured tidal wetland jurisdictional determinations from the NYSDEC. The tidal wetland delineation occurred along the shoreline that consisted of a rip-rap revetment and mudflats. Mr. Fleischer also designed and implemented a natural resource inventory for the characterization of ecological communities. Surveys were conducted over four seasons to assess the native flora and fauna and presence of threatened and endangered species.

Wetland Delineation and Jurisdictional Determination, Walkkill, New York.

Mr. Fleischer performed a wetland delineation for the 200+-acre site encompassing a wide variety of environments, watercourses and waterbodies and secured jurisdictional determinations from USACE. Wetland evaluation consisted of identifying vegetation, hydric soil morphology, and hydrological indicators throughout the site and surrounding woodlands.

Wetland Delineation. Ramapo, New York.

Mr. Fleischer reconfirmed the wetland delineation for the 200-acre site encompassing a wide variety of environments, watercourses and waterbodies and secured jurisdictional determinations from both the NYSDEC and USACE. Wetland delineation reconfirmation consisted of assessing the previously delineated wetland line to ensure that wetland line accurately represented the limits of hydrophytic vegetation, hydric soil morphology, and hydrological indicators within a historically disturbed site and surrounding woodlands.

NYCDEP/NYSDEC Construction SWPPP. Palisade Avenue, Bronx, New York

Mr. Fleischer evaluated watershed and tributary flows from the site, under the MTA Metro North Harlem Line, to the banks of the Hudson River as part of the project. Capital subsequently prepared a construction SWPPP,

inclusive of phased sediment and erosion control plans, and obtained a NYC Stormwater Construction Permit for this two (2) unit residential subdivision. This small, yet complex, site consisted of two drainage areas discharging to a combined sewer system (CSS) and a municipal separate storm sewer system (MS4), resulting in widely variable design requirements. Utilizing the areas tributary to each watershed, Capital methodically determined the applicable stormwater management requirements and associated SMP sizing for each drainage area.

Wetland Delineation, Permitting, and Mitigation Design, Rocky Hill Road. New Paltz, New York

Mr. Fleischer delineated the onsite wetlands, for the 66-acre property encompassing a wide variety of environments, watercourses, and waterbodies and secured the Town of New Platz freshwater wetland permit. Mr. Fleischer inventoried and characterized the wetland communities. The wetland data obtained from the delineation and inventory were compiled and used to create a mitigation plan to compensate for prior wetland impacts on the project site and meet municipal standards for permit issuance.

Wetland Delineation & Natural Resources, Novartis Campus. Suffern, New York

Mr. Fleischer delineated and confirmed the wetland delineation for the 162-acre site encompassing a wide variety of environments, watercourses and waterbodies and secured the jurisdictional determination and standard Individual permit from the USACE. Mr. Fleischer performed a natural resource inventory for the characterization of ecological communities. Surveys were conducted over four seasons to assess the native flora and fauna and presence of threatened and endangered species. The data obtained from these surveys were compiled and used to compose the Natural Resources section of the Environmental Impact Statement (EIS) that was developed for the project to meet municipal and SEQR standards.

Wetland Delineation & Natural Resources. South Avenue Retail Development. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for the 28-acre site encompassing a wide variety of environments and secured freshwater and tidal wetland jurisdictional determinations from both the NYSDEC and USACE. Mr. Fleischer also designed and implemented a natural resource inventory for the characterization of ecological communities. Surveys were conducted over four seasons to assess the native flora and fauna and presence of threatened and endangered species. The data obtained from these surveys were compiled and used to compose the Natural Resources section of the Environmental Impact Statement (EIS) that was developed for the project to meet CEQR standards.

NYCDEP and NYSDEC Construction Stormwater Pollution Prevention Plan (SWPPP). Richmond Avenue, Staten Island, New York

Mr. Fleischer prepared a construction SWPPP, inclusive of phased sediment and erosion control plans, for the construction of a three-story ambulatory care facility and associated parking located within the Sandy Hook-Staten Island watershed, in accordance with the NYSDEC State Pollution Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity General Permit Number (GP-0-20-001), 2015 New York State Stormwater Management Design Manual (NYS SMDM), and 2022 New York City Unified Stormwater Rule and NYC Stormwater Manual. The project location posed a significant site constraint as the project was landlocked and was unable to discharge to a wetland, waterbody, or sewer. Mr. Fleischer determined sufficient

infiltration rates existed to efficiently infiltrate the 100-year, 24-hour rainfall event, satisfying both NYSDEC and NYCDEP permitting requirements and obtaining the necessary permit approvals.

Wetland Delineation and Permitting, Detroit Avenue. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for a residential site adjacent to a NYCDEP Bluebelt. Mr. Fleischer coordinated with team members to ensure the freshwater wetland permit was secured from the NYSDEC in a timely and efficient manner.

NYCDEP and NYSDEC Construction SWPPP. East 149th Street, Bronx, New York

Mr. Fleischer prepared a construction SWPPP, inclusive of phased sediment and erosion control plans, for the redevelopment of a disturbed site with a multi-story warehouse, a parking garage, and associated parking located within the Bronx watershed, in accordance with the NYSDEC SPDES GP-0-20-001, 2015 NYS SMDM, and 2019 New York City Stormwater Design Manual. The project was subject to site constraints including, but not limited to, insufficient permeability for infiltration practices and a high groundwater table. Stormwater management practices proposed an underground infiltration system within an extremely limited area and included an alternative plan for implementation of an intensive green roof. Following NYSDEC and NYCDEP approvals, development plans were altered, and Mr. Fleischer assisted with updating the SWPPP and obtaining the subsequent NYCDEP modification approval.

NYCDEP and NYSDEC Construction SWPPP. Grand Avenue, Maspeth, New York

Mr. Fleischer prepared a construction SWPPP, inclusive of phased sediment and erosion control plans, for the construction of a one-story warehouse facility, associated parking, and loading docks located within the Lower Hudson watershed, in accordance with the NYSDEC SPDES GP-0-20-001, 2015 NYS SMDM, and 2019 New York City Stormwater Design Manual. The stormwater management practices required several deviations from the technical manuals due to site constraints including, but not limited to, insufficient permeability for infiltration practices, a high groundwater table, and structural constraints. The engineered solution entailed excavation of the insitu low-permeability soils, installation of the underground infiltration system, and backfill with engineered, permeable soil. Proposed deviations were reviewed by both NYSDEC and NYCDEP staff and deemed equivalent to the technical standard. Following coverage under NYSDEC SPDES GP-0-20-001 and receipt of the NYCDEP stormwater construction permit, Mr. Fleischer assisted with updating the SWPPP and obtaining the subsequent NYCDEP modification approvals.

Wetland Delineation. Ramapo, New York.

Mr. Fleischer reconfirmed the wetland delineation for the 200-acre site encompassing a wide variety of environments, watercourses and waterbodies and again secured jurisdictional determinations from both the NYSDEC and USACE.

Wetland Delineation and Permitting, Englewood Avenue. Staten Island, New York.

Mr. Fleischer performed a wetland delineation, developed mitigation and restoration plans, and secured freshwater wetland permit in accordance with the stringent timeframes of a Modified

Consent Order.

NYSDEC Industrial SWPPP, LMC Trucking Corp. Chelsea Road, Staten Island, NY

Mr. Fleischer prepared an industrial SWPPP in accordance with the NYSDEC SPDES General Permit for Stormwater Discharges Associated with Industrial Activity (GP-0-17-004), under Sector P – Land Transportation and/or Warehousing facilities. The industrial SWPPP outlines the required erosion and sediment controls, best management practices, and semi-annual and quarterly monitoring protocols required to remain in compliance with GP-0-17-004. Mr. Fleischer continues to aid via oversight of the monitoring program, discharge monitoring reporting, and annual compliance reporting.

Wetland Delineation and Permitting, Amboy Road. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for a residential site adjacent to a NYCDEP Bluebelt. Mr. Fleischer coordinated with team members to ensure the freshwater wetland permit was secured from the NYSDEC in a timely and efficient manner.

NYSDEC Construction SWPPP. Ellis Street, Staten Island, New York

Mr. Fleischer prepared a construction SWPPP, inclusive of phased sediment and erosion control plans, for the construction of a three-story self-storage facility and associated parking located within the Sandy Hook-Staten Island watershed, in accordance with the NYSDEC SPDES GP-0-20-001 and 2015 NYS SMDM. The stormwater management practices required careful placement to ensure strict compliance with the NYS SMDM due to site constraints including, but not limited, placement of approximately 10 to 14 feet of clean fill required to meet the grade at Ellis Street. Proper stormwater controls ensured all stormwater falling on the development flowed to the adjacent tidal wetland/Arthur Kill, relieving burden to the NYC Municipal Separate Storm Sewer (MS4) and maintained compliance with the NYSDEC issued Tidal Wetlands Permit.

Wetland Delineation and Permitting, Poillon Avenue. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for a residential site adjacent to NYC's Blue Heron Park. Mr. Fleischer carefully reviewed the development plans to determine applicability of the NYSDEC Freshwater Wetland General Permit and received the NYSDEC permit authorizations in the most efficient manner.

NYSDEC Industrial SWPPP, Richmond Precast, Inc. Chelsea Road, Staten Island, NY

Mr. Fleischer prepared an industrial SWPPP in accordance with the NYSDEC SPDES GP-0-17-004, under Sector E – Glass, Clay, Cement, Concrete and Gypsum Products. The industrial SWPPP outlines the required erosion and sediment controls, best management practices, and semi-annual and quarterly monitoring protocols required to remain in compliance with GP-0-17-004. Mr. Fleischer continues to aid the facility during NYCDEP inspections and with the oversight of the monitoring program, discharge monitoring reporting, and annual compliance reporting.

NYSDEC Industrial SWPPP, Richmond Ready Mix, Chelsea Road, Staten Island, NY

Mr. Fleischer prepared an industrial SWPPP in accordance with the NYSDEC SPDES GP-0-17-004, under Sector E – Glass, Clay, Cement, Concrete and Gypsum Products. The industrial SWPPP outlines the required erosion and sediment controls, best management practices, and semi-annual and quarterly monitoring protocols required to remain in compliance with GP-0-17-004. Mr. Fleischer continues to aid the facility during NYCDEP inspections and with the oversight of the monitoring program, discharge monitoring reporting, and annual compliance reporting.

Wetland Delineation, Kreischer Street. Staten Island, New York

Mr. Fleischer delineated and confirmed the wetland delineation, scientifically determining the extent of tidal influence for the inland site and secured the jurisdictional determination from USACE.

Wetland Delineation, Seagirt Avenue. Far Rockaway, New York

Mr. Fleischer delineated and confirmed the wetland delineation, scientifically determining the extent of tidal influence for the coastal site and secured the jurisdictional determination from USACE.

NYSDEC Construction SWPPP. Richmond Valley Road, Staten Island, New York

Mr. Fleischer prepared a construction SWPPP, inclusive of phased sediment and erosion control plans, for the construction of a subdivision with 35 residences and associated internal, private roadway construction located within the Sandy Hook-Staten Island watershed, in accordance with the NYSDEC SPDES GP-0-20-001 and 2015 SMDM. Properly sized stormwater management practices were implemented onsite to ensure that the water quality volume storm was effectively reduced and that, following construction, the site discharged stormwater at predevelopment 1-, 10-, and 100-year, 24-hour storm rates.

NYSDEC Construction SWPPP. Purdy Place, Staten Island, New York

Mr. Fleischer prepared a SWPPP, inclusive of sediment and erosion control plans, for the construction of a subdivision with 14 residences and associated utility connections located within the Sandy Hook-Staten Island watershed, in accordance with the NYSDEC SPDES GP-0-20-001 and 2015 SMDM. The site discharged to the NYC MS4, as approved by the NYCDEP Bureau of Sewer and Water Operations. Erosion and sediment controls were implemented and maintained in compliance with the NYSDEC issued Tidal and Freshwater Wetlands Permit.

Watershore Views. Brooklyn, New York.

Mr. Fleischer was responsible for delineating tidal and freshwater wetlands, performing a comprehensive four season natural resource inventory, and developing a wetland mitigation design. Team leader for tidal, freshwater wetland, and shoreline development for New York City Department of City Planning (NYCDP), New York State Department of Environmental Conservation (NYSDEC), and Army Corps of Engineers (USACE) Individual Permits for the large scale mixed use complex. The project design and mitigation involved the enhancement of tidal and freshwater wetlands along the shoreline of the 30-acre parcel containing historically disturbed uplands, freshwater wetlands, and tidal wetland communities along Gravesend Bay.

A. Duie Pyle Truck Terminal, Bronx, New York.

Mr. Fleischer was responsible for obtaining a tidal wetland permit from NYSDEC and NWP from the USACE for establishment of a bulkhead and subsequent shoreline mitigation. Mr. Fleischer provided coordination between agency staff and the project team to secure the wetland permits as well as the Construction and Multisector General SPDES Permits.

Sandy Hook Pilots Association (SHPA). Staten Island, New York.

Mr. Fleischer was responsible for obtaining a tidal wetland permit from NYSDEC for repair and reconstruction of a bulkhead. Mr. Fleischer provided coordination between state agency staff and the project team to secure the permit in conjunction with a post- Hurricane Sandy rebuild of the SHPAs facilities.

Wetland Delineation and Permitting, Mill Avenue. Brooklyn, New York.

Mr. Fleischer performed a tidal wetland delineation for a historically developed active commercial site adjacent to Mill Basin. Mr. Fleischer coordinated with team members to ensure the NYSDEC tidal wetland permit and associated NYCDP waterfront requirements were met. The project design and mitigation involved the rebuilding of a bulkhead and enhancement of tidal wetlands along the shoreline of the parcel. He secured a jurisdictional determination and is working with NYSDEC to obtain a tidal wetland permit.

Wetland Delineation, Natural Resource Inventory, Outerbridge Commons. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for the 11.5 -acre commercial site encompassing a freshwater wetland and associated watercourse. He secured jurisdictional determinations and subsequently NWPs and freshwater wetland permits from the USACE and NYSDEC, respectively. Mr. Fleischer also designed and implemented a natural resource inventory for the characterization of ecological communities and associated wildlife. Seasonal surveys were conducted to assess the native flora and fauna and presence of threatened and endangered species. The data obtained from these surveys were compiled and used in support of meeting CEQR requirements and obtaining project approvals with NYCDP.

Anabel Basin, Wetland Delineation. Queens, New York.

Mr. Fleischer conducted a tidal wetland delineation following a dilapidated bulkhead along a shallow mudflat. Wetland evaluation consisted of identifying tidal wetland intrusion, mean high water elevations and areas of historic disturbance.

Wetland Delineation and Jurisdictional Determination. Johnson Street, Staten Island, New York.

Mr. Fleischer conducted both freshwater and tidal wetland delineations for a 16-acre project along the Arthur Kill including high marsh, intertidal wetlands, and a freshwater tributary. Wetland evaluation consisted of identifying vegetation, hydric soil morphology, and hydrological indicators

within a historically active site and surrounding woodland areas.

Wetland Delineation and Permitting, East River. Brooklyn, New York.

Mr. Fleischer performed a tidal wetland delineation for a historically developed and active commercial site along the shoreline of the East River. Mr. Fleischer coordinated with team members to resolve NYSDEC tidal wetland disturbance issues and associated mitigation requirements were met. The project design and mitigation involved the proposed removal of shoreline debris, partial rebuilding of a bulkhead, new rip-rap shoreline, and enhancement of upland areas immediately landward of the shoreline.

Wetland Delineation, Natural Resource Inventory, Tyrellan Avenue. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for the commercial site encompassing a freshwater wetland and associated watercourse. He secured a jurisdictional determination from the NYSDEC. Mr. Fleischer also designed and implemented a natural resource inventory in conjunction with NYC Department of City Planning (NYCDCP) for the characterization of ecological communities and associated wildlife. Seasonal surveys were conducted to assess the native flora and fauna and presence of threatened and endangered species. The data obtained from these surveys were compiled and used in support of obtaining project approvals with NYCDCP.

Wetland Delineation and Permitting, Meudon Road. Lattintown, New York.

Mr. Fleischer performed a wetland delineation for the residential site encompassing a disputed freshwater wetland boundary. He secured a jurisdictional determination and subsequent freshwater wetland permit from the NYSDEC. The permit was based on a detailed mitigation plan designed to utilize the natural hydrology of the parcel in conjunction with invasive species removal to support native plant community survival.

Wetland Delineation and Permitting, Richmond Terrace. Staten Island, New York.

Mr. Fleischer performed a tidal wetland delineation and secured a jurisdictional determination for a historically disturbed site adjacent to the Kill Van Kull. Mr. Fleischer coordinated with team members to comply with a NYSDEC consent order and associated tidal wetland permit for a commercial waterfront development. The project design and mitigation involved the removal of shoreline debris, rebuilding of rip-rap, and enhancement of tidal wetlands along the shoreline of the parcel.

Wetland Delineation and Permitting, Jamaica Bay. Rockaway, New York.

Mr. Fleischer performed a tidal wetland delineation for a historically developed and active commercial site along the shoreline of Jamaica Bay. Wetland evaluation consisted of identifying tidal wetland intrusion, mean high water elevations and areas of historic disturbance along shallow mudflats, dilapidated bulkhead, and rip-rap.

Wetland Delineation and Permitting, Amboy & Foster Roads. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for a commercial site adjacent to a NYCDEP Bluebelt. Mr. Fleischer coordinated with team members to ensure the freshwater wetland permit and

Brownfield Clean-up Program requirements were met. He secured a jurisdictional determination and subsequent freshwater wetland permit from the NYSDEC.

Wetland Delineation and Permitting, McBaine Avenue. Staten Island, New York.

Mr. Fleischer performed a wetland delineation for the residential site encompassing a freshwater wetland and waterbody. He secured a jurisdictional determination and subsequent freshwater wetland permit from the NYSDEC.

Wetland Delineation, East of Hudson Watershed Corporation. Putnam and Westchester, New York.

Mr. Fleischer performed wetland delineations for the EOHWC to facilitate construction of NYCDEP stormwater retrofit projects. Mr. Fleischer coordinated with team members to ensure the proper delineation of freshwater wetlands in multiple municipal and residential areas within the NYC Watershed.

Wetland Delineation, Walkill, New York.

Mr. Fleischer performed a wetland delineation for the 200+-acre site encompassing a wide variety of environments, watercourses and waterbodies in preparation for jurisdictional determinations from both the NYSDEC and USACE.

Con Edison Wetland Delineation. Staten Island, New York.

Mr. Fleischer conducted both freshwater and tidal wetland delineations including high marsh and intertidal wetlands located within a 90-acre historically disturbed site. Wetland evaluation consisted of identifying vegetation, hydric soil morphology, and hydrological indicators within dredge spoil deposits and areas of discarded construction debris and fill.

Wetlands Permitting, C & S Grocers. Chester, New York.

Mr. Fleischer prepared USACE Nationwide Permit and NYSDEC Freshwater Wetlands Permit applications in conjunction with a warehouse expansion project. The permit application process included conducting wetland delineations and preparing a wetland mitigation plan. The approved mitigation plan was designed for the enhancement of adjacent freshwater wetlands associated with historically disturbed, fallow agricultural land. The permit applications were approved and the permits were issued.

Wetlands Permitting, The Shoppes at Union Square. Newburgh, New York.

Mr. Fleischer prepared a NYSDEC Protection of Waters Permit and USACE Nationwide Permit applications in conjunction with a stream crossing for a commercial development. The permit application process included conducting a wetland delineation, Phase I Bog Turtle assessment, and agency negotiations. He worked with the project architect to minimize impacts to the stream and associated wetlands. The permit applications were approved and the permits were issued.

Extraordinary Costs Analysis, DiForte, -against- The City of New York

Mr. Fleischer assisted in the development of the Extraordinary Costs Analysis used for the valuation of NYCDEP condemned property on behalf of the claimant. Extraordinary costs were developed based on the architect-provided development scenario and the reflect costs a developer would incur when developing within a NYSDEC freshwater wetland or freshwater wetland adjacent area.

Extraordinary Costs Analysis, Tepedino, -against- The City of New York

Mr. Fleischer assisted in the development of the Extraordinary Costs Analysis used for the valuation of NYCDEP condemned property on behalf of the claimant. Extraordinary costs were developed based on the architect-provided development scenario and the reflect costs a developer would incur when developing within a NYSDEC freshwater wetland or freshwater wetland adjacent area.

Wetland Permitting, Proposed Motorsports Entertainment Facility and Retail Center. Staten Island, New York.

Mr. Fleischer was responsible for coordinating with the project team to delineate tidal and freshwater wetlands, assess site flora and fauna, and design mitigation plans for a 675-acre parcel in Staten Island, N.Y. He provided project planning assistance to counsel and assisted in agency negotiations to obtain required NYSDEC and USACE permits.

Wetland Mitigation, Scenic Development. Ramapo, New York.

Mr. Fleischer performed a wetland delineation for the 200-acre site encompassing a wide variety of environments, watercourses and waterbodies and secured jurisdictional determinations from both the NYSDEC and USACE. Mr. Fleischer also designed and implemented a natural resource inventory for the characterization of ecological communities. Surveys were conducted over four seasons to assess the native flora and fauna and presence of threatened and endangered species. The data obtained from these surveys were compiled and used to compose the wetland and wildlife sections incorporated into a Draft Environmental Impact Statement (DEIS) that was accepted by the local municipality.

Extraordinary Costs Analysis, Ramfis Realty, Inc., -against- The City of New York

Mr. Fleischer assisted in the development of the Extraordinary Costs Analysis used for the valuation of NYCDEP condemned property on behalf of the claimant. Extraordinary costs were developed based on the architect-provided development scenario and the reflect costs a developer would incur when developing within a NYSDEC freshwater wetland or freshwater wetland adjacent area.

Cimmaron Wetland Delineation. Sullivan County, New York.

Mr. Fleischer conducted wetland delineation on a 270-acre parcel. The delineation determined the site to contain NYSDEC and USACE regulated freshwater wetlands based on identified wetland indicators within a complex mosaic of emergent marsh, shrub swamps, riparian corridors, hemlock forest, and man-made lakes.

Seton Hall Prep, Old Growth Forest Survey. Essex County, New Jersey.

Mr. Fleischer developed and implemented field protocols to conduct a survey to determine the presence of old-growth forest within a 45-acre parcel. Survey methodologies included the use of grid

sampling to assess vegetative strata and clinometer measurements to determine the presence/absence of specimen trees.

Stream and Wetland Impact Evaluation, Moore Mining. Sparrowbush, New York.

Mr. Fleischer conducted a stream corridor and wetland assessment to determine the impact by sediment deposition resulting from a failed detention basin. The assessment included the identifying of impacted vegetation and aquatic wildlife, and preparing a cost estimate for reestablishment of native fish species.

Wastewater Treatment Design & Sampling. Allendale, New Jersey.

Mr. Fleischer assisted in the design and implementation of a process-specific wastewater treatment system for a small process operation. Also, he supervised the monthly industrial discharge sampling and reporting to monitor the batch discharge from process operation wastewater.

In Re: Flood Litigation, Upper Guyandotte River, Sub-Watersheds 2A (Mullens) and 2E (Oceana), The Calwell Practice, PLLC. Charleston, West Virginia.

Mr. Fleischer provided litigation support for proceedings brought against mining and timbering companies in West Virginia because of severe flooding that occurred in July and August of 2001. The land disturbances caused by the mining and timbering activities increased runoff and flooding in multiple watersheds within the area. Mr. Fleischer assisted in producing ArcGIS figures and drawings for the project and analyzing the client and property data provided for each of these watersheds.