



2020 Annual Report

Presented at the May Member Meeting

May 13th, 2021



*"Water links us to our neighbor in a way more profound and complex than any other."
-John Thorson*

2021 May Member Meeting Agenda

May 13, 2021. 4:30 P.M.*

**Remote Zoom-based meeting due to COVID-19 pandemic*

- a. Call to Order**
- b. Approval of May 2020 Annual Member Meeting Minutes**
- c. Secretary's Report on Notification and Quorum**
- d. Election of Directors – Ballot Canvass and Report**
- e. Election of Officers (by Directors)**
- f. Presentation of 2020 Annual Report**
- g. Member Open Discussion**
- h. Adjourn**

Origin of an Alliance

The Chautauqua Lake & Watershed Management Alliance (Alliance) evolved from the Chautauqua Lake Management Commission (CLMC) in late 2014. Since its inception in 2005 and pursuant to its core mission, the CLMC was a major contributor to the development of the *Chautauqua Lake Watershed Management Plan* and initiated work on the *Chautauqua Lake Macrophyte Management Strategy (MMS)*, which sets forth specific recommendations for the proper management of our precious natural resources. The CLMC was an advisory committee to the Chautauqua County Legislature and having accomplished its core mission, it was determined that the CLMC would sunset in 2014 in order to evolve into a new Alliance.

The Alliance framework was developed through a series of stakeholder meetings, significant research, and forward-thinking innovation. The Alliance is a non-profit 501(c)3 charitable organization and was established in order to secure funding to implement the recommendations contained within Chautauqua Lake and watershed guidance documents. The Alliance also aims to strengthen existing relationships among Member organizations already engaged in important lake and watershed activities, and to promote a comprehensive and coordinated effort to ensure the sustained health, ecology, and uses of Chautauqua Lake and its watershed.

Our Mission is as follows: The Chautauqua Lake & Watershed Management Alliance, working in collaboration with lake and watershed-related organizations, municipalities and other stakeholders, will promote and facilitate implementation of recommendations from the *Chautauqua Lake Watershed Management Plan* and the *Chautauqua Lake Macrophyte Management Strategy* by prioritizing projects, securing funding and allocating resources.

Summary of 2020 Achievements

The year 2020 marked the Alliance's 6th full year of operation. In those six years, the Alliance has partnered on over \$6.5 Million in lake and watershed projects. Past, current, and future successes of this Alliance, working collaboratively toward an economically and environmentally healthy Chautauqua Lake, are made possible through the dedicated work of our Members and generosity of our funders. We offer our sincere gratitude for this shared focus on our shared resource of Chautauqua Lake. Through the generosity and leadership of our local Foundations and the County of Chautauqua, the Alliance was proud to once again increase the level of local funding made available to our Members to implement a slate of 2020 projects and programs to

benefit the lake and watershed. Coupled with ongoing projects funded by New York State grants, Alliance-partnered projects continued to apply a balanced approach blending lake maintenance, watershed projects, and research. An even larger local allocation to Member projects is planned for 2021, and with the recent re-opening of the New York State Consolidated Funding Application program, we look forward to pursuing additional outside funding to complement these critical local investments.

The year 2020 was highlighted by partnerships – both the strengthening of existing ones and the forging of new ones – and progress. The Alliance, through its many programs and partnerships, continued to actively support the County of Chautauqua’s Memorandum of Agreement (MOA) framework for community cooperation and science-based lake management. The Chautauqua Lake maintenance program included a balanced approach utilizing both chemical and mechanical macrophyte management techniques. The near-shore clean-up program was bolstered by a first-of-its-kind collaboration between the Chautauqua Lake Association and Town of Chautauqua. These joint operations resulted in increased efficiency and responsiveness and are planned for expansion in 2021. South Basin municipalities and the Chautauqua Lake Partnership collaborated to secure New York State Department of Environmental Conservation permits for the targeted chemical treatment of Eurasian Water Milfoil using a new herbicide ProcettaCOR EC, with third-party monitoring by an outside consultant coordinated by the Alliance. Watershed efforts, including a new municipal storm water project in Lakewood, watershed-wide education and outreach programs by the Chautauqua Watershed Conservancy, and an erosion mitigation study along the Chadakoin River by the Roger Tory Peterson Institute (RTPI), continued to address the root causes of lake impairment and provide meaningful long-term benefits to the health of the lake and surrounding watershed. Invasive species programs led by RTPI and the Audubon Community Nature Center identified and removed Water Chestnut from the Lake Outlet and elsewhere in the watershed to prevent the establishment and spread of this aggressive invasive threat.

Partnerships among Chautauqua Lake researchers continued to grow, culminating in the Alliance’s first-ever Chautauqua Lake Water Quality Research Panel where a panel of distinguished scientists and engineers shared research results and future plans with the public in a free, online venue. The year 2020 saw an expansion of the in-lake nutrient sensor network, continued tributary monitoring by Bowling Green State University, and the introduction of The Jefferson Project to Chautauqua Lake, bringing to bear world-class experts and cutting-edge technology to tackle the growing challenges of Harmful Algal Blooms (HABs) on Chautauqua Lake. Other outside investments in HAB-related research and development complemented these Alliance-

partnered research initiatives, including the U.S. Army Corps of Engineers and New York State Department of Environmental Conservation Harmful Algal Bloom Interception, Treatment, and Transformation System (HABITATS) field demonstration, which deployed in-lake and onshore technology to test HAB mitigation technologies currently in development. The Alliance also initiated its new Data Analysis and Research (DAR) Committee to provide scientific and technical input to the Alliance Board on lake and watershed-related data and research. The DAR Committee evolved from the Alliance's Scientific Review and Advisory Committee in mid-2020 and is populated with local and outside experts in their respective fields. In an effort to support these critical scientific initiatives, the Alliance has continued to enhance its website as a repository for Chautauqua Lake and watershed data where researchers and the public can access guidance documents, reports, and other technical information as it becomes available.

The summer of 2020 was a very busy time for Alliance Staff. The Alliance was awarded a grant by the Chautauqua Region Community Foundation to design and implement the 2020 Chautauqua Lake GPS Weed Management Pilot Program in collaboration with the Chautauqua Lake Association and Town of Chautauqua. The new GPS program allows for a detailed evaluation of effort and work output over any timeframe of interest, and the maps and other visualizations help build our historical datasets and allow us to share key information with stakeholders to help drive more evidence-based decision making and adaptive lake management. The 2020 Pilot Program generated a bevy of useful data and lessons learned, and the program will be expanded in 2021 with a longer period of deployment and more maintenance equipment outfitted with GPS units. The Alliance also initiated the Chautauqua Lake Aquatic Data (CLAD) Mapping Program, which collects information and data on Chautauqua Lake conditions throughout the year utilizing consumer-grade underwater video and sonar technology. The program allows for the rapid deployment of staff and technology depending on lake conditions and helps augment other lake surveys completed by professional or academic entities. We plan to continue and expand the CLAD program in 2021 to evaluate lake conditions throughout the year, helping support an integrated macrophyte management program as well as providing baseline bathymetric data for lake ecosystem modeling. The Alliance, through the generous support of the Ralph C. Sheldon Foundation, partnered with consultants EcoLogic and AnchorQEA to update its multi-criteria analysis scoring tool. The update process provided multiple opportunities for Alliance Members to provide input on how to modify the tool. The tool was modified to address the information gleaned from newly published lake and watershed documents, discussions with the Alliance Board and

staff, and stakeholder questionnaires and consultations. A more detailed description of this process is listed later in the report.

In the fall, the Alliance submitted its third annual Consolidated Foundation Funding Grant Request, which prioritized funding for 12 Alliance Member-led lake and watershed projects. By early 2021, we secured a total of \$690,000 from The Lenna Foundation, the Chautauqua Region Community Foundation, and the Ralph C. Sheldon Foundation, to support these projects for implementation in 2021. Many involve partnerships and unity of effort between Alliance Members and continue to promote a balanced approach aimed at a well-maintained Chautauqua Lake and watershed that supports our residents, our businesses, and our environment. The full listing of these projects is included later in the report. While the COVID-19 pandemic resulted in the cancellation of nearly all New York State lake and watershed grant programs, the Alliance did partner with the County of Chautauqua to submit a grant application to the New York State Environmental Facilities Corporation (EFC) for the County Complex Green Infrastructure Retrofit Project. If successful, this project would implement a suite of green infrastructure (GI) retrofits as part of the County's planned parking lot improvement project. The project would reduce surface runoff, promote infiltration and biofiltration of nutrients and contaminants, and result in environmental and aesthetic benefits for the site and lake. The Alliance looks forward to advancing additional Member projects for NYS funding consideration in 2021 and beyond.

The Alliance is honored to be comprised of Member organizations that understand the incredible asset Chautauqua Lake and its watershed are to the County and the entire region, and we are proud to have partnered with each of the nine Lake municipalities, the County, and numerous other Members to develop impactful projects, secure funding, manage implementation, and ensure project completion. By working in collaboration with as many stakeholders as possible, we deepen our collective focus, strength, and leveraging capabilities, for the benefit of Chautauqua Lake, its watershed, and ultimately our Community. The Alliance would like to thank everyone – our Members, local Foundations, and other lake and watershed stakeholders – for their support and passion over the past 6 years, as we look forward to another great year in 2021.

2020-2021 Members

- Audubon Community Nature Center
- Chautauqua – Cattaraugus Board of Realtors
- Chautauqua County Visitors Bureau
- Chautauqua Institution
- Chautauqua Lake Association
- Chautauqua Lake Fishing Association
- Chautauqua Lake Partnership
- Chautauqua Watershed Conservancy
- County of Chautauqua
- Holmberg Foundation
- Jamestown Board of Public Utilities
- North Chautauqua Lake Sewer District
- Roger Tory Peterson Institute
- South & Center Chautauqua Lake Sewer District
- The Lenna Foundation
- Town of Busti
- Town of Chautauqua
- Town of Ellery
- Town of Ellicott
- Town of North Harmony
- Village of Bemus Point
- Village of Celoron
- Village of Lakewood
- Village of Mayville

2020 Alliance-Partnered Project Summaries

This report includes information on projects active during 2020. For information on past projects, please review our prior Annual Reports on the Alliance website.

County of Chautauqua, NYSDEC Water Quality Improvement Projects (WQIP), Streambank Stabilization

Description: Work involves six (6) separate grant awards to address streambank and channel instability at eight (8) priority sites along Prendergast Creek, Bemus Creek (two sites), Goose Creek, Ball Creek, Dutch Hollow Creek (two sites), and West Dutch Hollow Creek. The purpose of the work is to improve water quality in Chautauqua Lake and its tributaries by reducing erosion and associated sediment and nutrient loading caused by streambank and channel instability. Sediment transport to the lake, from unstable banks like those being addressed by this work, is a source of nutrients, including nitrogen and phosphorus, which can impair water quality when present at excess concentrations (e.g., contributing to algae blooms and/or excessive nuisance aquatic vegetation growth). The work will also help address ongoing property loss, including imminent threats to infrastructure, caused primarily by bank erosion. Construction has been completed at seven of the eight priority sites, and grant closeout has been completed for four of the six grants. The NYS DEC approved a time extension request to utilize surplus funding to address erosion issues at an additional nearby section of Dutch Hollow Creek. Coordination among the County, Alliance, Engineer, and Owners is in progress with implementation anticipated in 2021.

Projected budget (6 projects): Total: ~\$1.43M | NYS: ~\$1.07M | Local: ~\$358,000

Grantee: County of Chautauqua

Alliance Role: Grant writing and administration; project management/coordination

Other Involved Member Partners: Chautauqua County Soil & Water Conservation District (technical services); Chautauqua Watershed Conservancy (education & outreach)

Funding Overview: The majority of the project cost is funded by the Environmental Protection Fund administered by the New York State Department of Environmental Conservation (NYSDEC). The remaining share is provided by the County of Chautauqua as local matching funds from the Occupancy Tax Program and reallocated Chautauqua Lake Management Commission (CLMC) capital funds. The State-funded

share of nearly \$1.1 million would not have been possible without the commitment of these matching funds. Local matching fund contribution percentage requirements vary depending on the source of funding. These particular WQIPs require a 25% local match. That is, for every \$1,000 of a total project amount, a local match contribution of \$250, in either cash or in-kind services such as equipment, labor, or service from local employees or volunteers, results in an additional \$750 from the State in the form of the WQIP grant award. Local match requirements are a critical tool used by funding agencies to ensure local “buy-in” and encourage high-quality projects with clear value to the local populace. When projects are properly vetted, designed, and executed, both sides benefit because the grant recipient or beneficiary has successfully leveraged a significant return on its investment (in this case, \$4 worth of work for every \$1 spent from local funds), and the grant provider assures itself a well thought-out, effective project.

Project Descriptions:

1. **Prendergast Creek Stabilization Project, Chautauqua, NY**
 - a. Status: Completed, Fall 2016; Grant Closeout in October 2020
 - b. Outcomes & Achievements: Completed a streambank stabilization and stream restoration project on an approximately 1,100-foot-long section of creek. Under the direction of the Chautauqua County Soil & Water Conservation District, Contractors installed approximately 650 feet of large rock rip-rap toe protection in two sections, performed bank-slope grading and stabilization with vegetation, installed two cross-channel grade stabilizers (engineered rock riffles), and performed final site cleanup, grading, and seeding.



2. **Bemus Creek Stabilization Project, Ellery and Bemus Point, NY (two sites)**

- a. Status: Upstream Section completed in Fall 2016; Downstream Section Completed in Summer and Fall 2017; Grant Closeout in October 2020
- b. Outcomes & Achievements: The overall project included two distinct areas of work along Bemus Creek separated by about 1.5 miles. We identified the two work areas as (1) the upstream section (or, Bemus Creek Upper) and (2) the downstream section (or, Bemus Creek Lower). Most construction on the upstream portion of the project took place in Fall 2016, with minor additional work completed in September 2017. There, under the direction of the Chautauqua County Soil & Water Conservation District, Contractors installed approximately 500 feet of large rock rip-rap toe protection in three sections, installed about 70 feet of rootwad and stone revetment, performed bank-slope grading and stabilization with vegetation, installed three cross-channel grade stabilizers (engineered rock riffles), and performed final site cleanup, grading, and seeding. Construction on the downstream section of the project was completed in October 2017 by a Contractor under the direction of the Chautauqua County Soil & Water Conservation District. There, the project included the installation of approximately 470 (+/-) feet of heavy rock rip-rap slope stabilization, bank grading, installation of two engineered rock riffle grade stabilizers, installation of willows along the stabilized bank, and final site grading and seeding.



3. **Goose Creek Stabilization Project, Busti, NY**
- Status: Construction completed in Summer 2018; Grant Closeout in October 2020
 - Outcomes & Achievements: Stabilized an approximately 225-foot-long section of creek, with the installation of large rock rip-rap toe and slope protection, bank-slope grading and stabilization with vegetation, and restoration of disturbed areas.



4. **Ball Creek Stabilization Project, North Harmony, NY**
- Status: Construction completed in Fall 2017; additional site preparation and planting to enhance riparian buffer was completed in fall 2019; Grant Closeout in October 2020
 - Outcomes & Achievements: Stabilized an approximately 250-foot-long section of eroding streambank at the site through the installation of heavy rock rip-rap slope and toe protection, bank slope grading, native willow and dogwood plantings, and installation of a grade stabilizer (engineered rock riffle). The project also includes additional riparian buffer-related work. The site was prepared using an integrated pest management strategy to address the aggressive terrestrial invasive species present at the site (primarily Mugwort) in order to maximize the likelihood of successful establishment of the planted native species. The approach for site preparation and native plantings was based on available scientific publications, best management practices, and coordination with regional experts (Western New York Partnership for Regional Invasive Species Management, Soil & Water Conservation District, and the Chautauqua Watershed Conservancy), and it is anticipated that the establishment of native plantings will occur over several years. The approach and timing of site preparation activities and installation of native plantings was adaptive based on how the site responded

over the course of several seasons, which is consistent with the typical approach for projects of this type. The re-establishment (with native plants) of the riparian buffer at this site will serve to enhance water quality in Ball Creek and Chautauqua Lake through nutrient uptake as well as helping to further stabilize the repaired streambank through the development of a more robust root system. The final site planting included 40 additional native willow live stakes and 50 new native bare-root trees, which occurred in November 2019 with the assistance of Southern Tier Consulting, Chautauqua Watershed Conservancy Volunteers and Staff, and Alliance Staff.



5. **Dutch Hollow Creek Stabilization Project, Ellery, NY**

- a. Status: Phase I construction completed in Fall 2018; Phase II planning and coordination is underway; Phase II construction planned for 2021.
- b. Outcomes & Achievements: Streambank and grade stabilization and stream corridor restoration addressed an approximately 1,100-foot-long reach of Dutch Hollow Creek, just north of Interstate I-86, which is negatively impacted by excessive sediment loading and frequent debris jams that obstruct the channel, causing head cutting, erosion of banks and new side channels, and results in the formation of oversized depositional features. Work aimed to protect nearby infrastructure and banks, and to reduce the amount of sediment and nutrient loading to downstream areas, including Chautauqua Lake, caused by the ongoing bank and channel instability. Coordination among the County, Alliance, Engineer, and Owners is in progress on Phase II of the project with implementation anticipated in 2021.



6. **West Dutch Hollow Creek Stabilization Project, Ellery, NY**
- a. Status: Construction substantially completed in Fall 2018 and reached final completion in Fall 2019. Remainder of grant will cover portion of Dutch Hollow Phase II construction planned for 2021.
 - b. Outcomes & Achievements: Streambank and grade stabilization and stream corridor restoration addressed an approximately 850-foot-long reach of West Dutch Hollow Creek, where abrupt localized channel erosion was resulting in larger-scale negative impacts further downstream in areas where the stream flows in close proximity to residential properties and roadways. The work aimed to significantly reduce the amount of sediment and nutrient loading to downstream areas, including Chautauqua Lake, caused by the stream instability. A portion of this funding will be used to support Phase II construction of the Dutch Hollow Stabilization Project.



County of Chautauqua, NYSDEC Water Quality Improvement Project (WQIP), Chautauqua Lake Mechanized Floating Vegetation Collection Project

Description: Chautauqua County received a grant to purchase two (2) aquatic skimmer vessels to collect and remove floating vegetation and/or surface scum from Chautauqua Lake, which will help reduce the amount of floating vegetation, improve conditions in the lake, and potentially reduce the growth of Harmful Algal Blooms (HABs). The grant was awarded in late 2018, and in 2019, the County secured the services of Alpha Boats Unlimited to build two (2) MC-202 Aquatic Skimmer Vessels, which have a payload capacity of two (2) tons. Due to significant COVID-19 related manufacturing delays, delivery of these skimmer vessels is expected in spring of 2021.

Projected budget: Total: \$500,000 | State: \$375,000 | Local: \$125,000

Grantee: County of Chautauqua

Alliance Role: Grant writing and administration; project management/coordination; local match via Alliance/Foundation Match Fund

Other Involved Member Partners: Chautauqua Lake Association

Funding Overview: The majority of the project cost is funded by the Environmental Protection Fund administered by the New York State Department of Environmental Conservation (NYSDEC). The remaining share is provided as local matching funds by the County of Chautauqua as operational support to CLA and by the Alliance from the Alliance/Foundation Match Fund.



Village of Lakewood, NYSEFC Green Innovation Grant Program (GIGP), Chautauqua Avenue Green Street Retrofit Project

Description: Sourced from the completed Village of Lakewood and Town of Busti Stormwater Management Engineering Study, this project is a comprehensive green infrastructure retrofit of Chautauqua Avenue in the Village of Lakewood to transform the existing impervious, over-widened Village Center roadway in an effort to improve water quality and quantity conditions by reducing sediment and nutrient loading to lake. The project will result in increased infiltration and biofiltration of urban stormwater, reduced burden on existing drainage infrastructure, and co-benefits of improved aesthetics, increased public awareness of urban stormwater management and lake stewardship, and reinvigoration of traditional “Main Street” character. The preliminary design was prepared as part of the recently completed Lakewood-Busti Stormwater Management Engineering Study, which was a collaborative project among the Town, Village, County of Chautauqua, Alliance, and the NYS Environmental Facilities Corporation (EFC) and Department of Environmental Conservation (DEC). The grant was awarded in late 2018 with implementation beginning in 2019 when the Village secured the engineering services of Barton and Loguidice. In late 2020, the Village retained the services of Kingsview Enterprises to perform construction, which is expected to commence in spring of 2021.

Projected budget: Total: \$772,724 | State: \$695,000 | Local: \$77,724

Grantee: Village of Lakewood

Alliance Role: Grant writing and administration; project management/coordination; local match via Alliance/Foundation Match Fund

Other Involved Member Partners: County of Chautauqua (local match & financing assistance)

Funding Overview: The State share of funding for the project is provided by a New York State (NYS) Environmental Facilities Corporation (EFC) Green Innovation Grant Program (GIGP) grant. Local matching funds are provided by the Village of Lakewood (planned to be in-kind construction services), County of Chautauqua from reallocated Chautauqua Lake Management Commission (CLMC) capital funds, and Alliance from the Alliance/Foundation Match Fund.



Town of Busti, NYSDEC Water Quality Improvement Project (WQIP), Precision Swale Stormwater Retrofits

Description: Sourced from the completed Village of Lakewood and Town of Busti Stormwater Management Engineering Study, this project intends to stabilize and enhance approximately 2,100 linear feet of steep-gradient and 2,500 linear feet of shallow-gradient roadside swales at select locations throughout the Town of Busti and Village of Lakewood in order to reduce sediment and nutrient loading to Chautauqua Lake. Best management practices (BMPs) will be incorporated to reduce ongoing channel and bank erosion, reduce water velocities, promote infiltration and bio-filtration, enhance biodiversity and habitat for birds and pollinators, and improve aesthetics. Such BMPs may include vegetated filter strips, wetland pockets, stone check dams, riffle-pool complexes, sorptive media for nutrient capture, native wetland plantings, and other features. The proposed locations were identified as part of preliminary design completed in the Lakewood-Busti Stormwater Management Engineering Study, which was a collaborative project among the Town, Village, County of Chautauqua, Alliance, and the NYS Environmental Facilities Corporation and Department of Environmental Conservation. The grant was awarded in late 2018 and project design and engineering by EcoStrategies was completed in 2020. Construction by Rock of WNY, Inc. began in the fall of 2020 and is anticipated to conclude in the spring or summer of 2021.

Projected budget: Total: \$253,097.50 | State: \$202,478 | Local: \$50,619.50

Grantee: Town of Busti

Alliance Role: Grant writing and administration; project management/coordination; local match via Alliance/Foundation Match Fund

Other Involved Member Partners: County of Chautauqua (local match)

Funding Overview: The majority of the project cost is funded by the Environmental Protection Fund administered by the New York State Department of Environmental Conservation (NYSDEC). The remaining share is provided as local matching funds by the Town of Busti (cash and in-kind), County of Chautauqua from reallocated Chautauqua Lake Management Commission (CLMC) capital funds, and Alliance from the Alliance/Foundation Match Fund.



Village of Celoron, NYSDOS Local Waterfront Revitalization Program (LWRP), Lucille Ball Memorial Park Improvements, Phase IV, Amenities Building

Description: In 2017, the Village of Celoron received a grant from the New York State Department of State (DOS) to build a new amenities building in Lucille Ball Memorial Park. Design on the new amenities building began in 2018 by the Village's architect/engineer, LaBella Associates. Construction by the Village's contractor, G.L. Olson, began in 2019, concluded in 2020, and included ADA-compliant restrooms, a drinking fountain, a security system, and a storage area. The project continued the Village's implementation of their Local Waterfront Revitalization Program, which identified the need for park enhancements at Lucille Ball Memorial Park, the centerpiece of downtown Celoron. The new building supports increased park and lake use by providing amenities, which enhance user experience and allow visitors to stay for longer periods. This project complements recent Alliance-partnered park enhancements completed by the Village including construction of a new breakwall, waterfront boardwalk, and kayak/canoe launch funded by two previous NYS grant awards. Grant closeout was completed in 2021.

Final grant budget: Total: \$510,240 | State: \$382,680 | Local: \$127,560

Grantee: Village of Celoron

Alliance Role: Grant writing and project management/administration

Funding Overview: Seventy-five percent (75%) of the project costs were provided by a Local Waterfront Revitalization Program (LWRP) grant from the New York State Department of State with funds provided under Title 11 of the Environmental Protection Fund, and the remaining 25% of the project costs were contributed by the Village of Celoron in the form of cash or in-kind services.



Village of Mayville & Town of Chautauqua, NYSEFC & NYSDEC Engineering Planning Grant (EPG), Stormwater Management Engineering Study

Description: The Village of Mayville, in partnership with the Town of Chautauqua, retained the services of a Barton and Loguidice, a licensed professional engineer to undertake a study that inventoried and assessed the condition and capacity of existing stormwater infrastructure, defined surface drainage areas (catchment areas), modeled nutrient and sediment loads, and identified viable future improvement projects that would mitigate potential flooding and/or have a positive impact on the environmental health of Chautauqua Lake. The project was completed in late summer 2019 and resulted in over 47 potential project sites. Of the 47 potential retrofit opportunities, six (6) were advanced to 20% concept level design. The study and its priority projects are now being used to support future grant applications for project implementation, which aim to address harmful algae and nuisance macrophyte growth issues in Chautauqua Lake by reducing the quantity and improving the quality of stormwater flows. Grant closeout was completed in February 2020.

Final grant budget: Total: \$134,608 | State: \$100,000 | Local: \$34,608

Grantee: Village of Mayville

Alliance Role: Grant writing and administration; project management/coordination; local match via Alliance/Foundation Match Fund

Other Involved Member Partners: Town of Chautauqua (local match, technical involvement & key project partner); County of Chautauqua (local match)

Funding Overview: The State share of funding for the project is provided by a New York State (NYS) Department of Environmental Conservation (DEC) / Environmental Facilities Corporation (EFC) Wastewater Infrastructure Engineering Planning Grant (EPG), funded through the New York Clean Water State Revolving Fund (CWSRF) program. Local matching funds will be provided by the Village of Mayville, Town of Chautauqua, the County of Chautauqua from the Occupancy Tax Program and reallocated Chautauqua Lake Management Commission (CLMC) capital funds, and the Alliance from the Alliance/Foundation Match Fund.

County of Chautauqua & North Chautauqua Lake Sewer District, NYSEFC & NYSDEC Engineering Planning Grant (EPG), Orchard Terrace Inflow and Infiltration (I&I) Study

The project objectives were to assess the Orchard Terrace sanitary sewer collection system within the North Chautauqua Lake Sewer District (NCLSD) along the shoreline of Chautauqua Lake, identify areas of excessive inflow and infiltration (I&I), recommend improvements to the collection system aimed at reducing I&I, and complete an engineering report describing the projects and findings. When implemented, these recommended system improvements will have a positive impact on both the environmental health of Chautauqua Lake and the affordability and efficiency of the wastewater collection and treatment system. The project was completed in 2020.

Grant budget: Total: \$36,000 | State: \$30,000 | Local: \$6,000

Grantee: County of Chautauqua & North Chautauqua Lake Sewer District

Alliance Role: Grant writing

Funding Overview: The State share of funding for the project is provided by a New York State (NYS) Department of Environmental Conservation (DEC) / Environmental Facilities Corporation (EFC) Wastewater Infrastructure Engineering Planning Grant (EPG), funded through the New York Clean Water State Revolving Fund (CWSRF) program. Local matching funds will be provided by the NCLSD/County.

Other 2020 Alliance Projects & Programs

Update to Alliance Multi-Criteria Analysis (MCA) Chautauqua Lake and Watershed Project Prioritization Tool

Description: In May 2018, the Alliance finalized its *5-Year Implementation Strategy for the Management of Chautauqua Lake and Its Watershed* to establish a more objective, transparent approach for prioritizing projects and allocating resources in this time of heightened community concern about the health of the lake—and differing views on which expenditures and projects would have the most beneficial impact. The *Strategy* offers a structured decision-making process and template to guide decisions about which lake and watershed projects should be pursued and/or funded. As part of the *Strategy*, the team of outside consultants developed a multi-criteria analysis (MCA) tool based on the current science, engineering, and technology of lake and watershed management and inclusive of environmental, social, and economic factors. In 2020, through the generous support of the Ralph C. Sheldon Foundation, the Alliance retained the services of EcoLogic LLC and Anchor QEA to update the Alliance’s MCA scoring tool. The update process once again incorporated input from Alliance Members and other key stakeholders. Major changes include simplifying the process of evaluating proposals that support ongoing lake maintenance by creating a separate lake maintenance project category with a set of focused criteria; acknowledging the central role of the regulatory agencies by making the review process for potential adverse human health and ecosystem impacts less subjective; and increasing the weighting for invasive species and cost disclosure. The updated MCA scoring tool was used in 2020 to score Alliance member 2020-2021 grant requests. A description of the updated MCA tool is available on the Alliance’s website.

Alliance Role: Grantee; Project management/coordination

Other Involved Member & Non-Member Partners: All active Members and several key non-Member stakeholders were invited to participate in the project. Participation included written questionnaires, focus group meetings, and review and comments for Draft products. Thank you to the Alliance Members and other lake and watershed stakeholder groups and individuals who participated in the project.

Funding Overview: The MCA Tool Update (2020) was funded by a grant from the Ralph C. Sheldon Foundation. The 2018 *Strategy* was made possible through the generosity of the Sheldon Foundation and the Chautauqua Region Community Foundation (CRCF) who awarded grants to the Alliance to complete the work.

2019-2020 Alliance Comprehensive Project Prioritization & Local Foundation Partnership Grant Program

Description: In fall of 2019, the Alliance partnered with the Ralph C. Sheldon Foundation, The Lenna Foundation, the Chautauqua Region Community Foundation, and the Gebbie Foundation to continue the second year of a new local grant opportunity for Alliance Members for watershed and in-lake projects and programs. The grant application format and evaluation process was based on recommendations in the Alliance's *5-Year Implementation Strategy for the Management of Chautauqua Lake and Its Watershed* and associated Multi-criteria Analysis (MCA) Decision-Making Tool, which established a more objective, transparent approach for prioritizing projects and allocating resources. The Alliance published a Request for Applications in September 2019 and received 18 applications totaling almost \$1.8M. Scoring was performed using the MCA Tool by three independent groups – outside consultant EcoLogic LLC, the Alliance Scientific Review & Advisory Committee, and Alliance staff. The Alliance Board of Directors considered the results of the independent scoring groups as part of their decision making process. Preliminary funding recommendations were made by the Alliance Board of Directors to the partner Foundations in late 2019 with final decisions made in January 2020. Fifteen of the 18 proposed projects were slated for at least partial funding for implementation in 2020. The project list is below:

- Chautauqua Lake Association Lake Maintenance Operations including Mobitrac Joint-Operations with Town of Chautauqua: Combined removal of approximately 6,505 tons of macrophytes plus new GPS program and data reporting.
- CWC, “Starve the Algae, Save the Lake!” Program: Engagement of new and existing property owners with educational and technical assistance.
- Municipal Herbicide Treatments by Town of Busti, Village of Lakewood, Town of Ellery, and Village of Bemus Point: Treatment of 86.4 acres to manage Eurasian Watermilfoil with ProcettaCOR EC.
- Village of Lakewood, Grandview Stormwater Management Project: Completion of key initial steps in property transfer and engineering to prepare project for additional grant applications for capital funding.
- Town of Chautauqua Mobitrac Purchase and Limited Operational Support: Purchased a third Mobitrac to assist with lake-wide rapid response to early-season issues in coordination with municipalities and enhanced near-shore cleanup program via joint-operations with CLA support.

- Chautauqua Lake Partnership, Chautauqua Lake Weed Survey: Completed macrophyte surveys to support municipal herbicide treatment programs.
- Chautauqua Lake Partnership, Lake Sensors: Purchased three phosphorus sensors and one nitrogen sensor for use in Chautauqua Lake in coordination with Bowling Green State University; near-continuous monitoring for phosphorus in lake and participation/coordination via new Alliance Data Analysis & Research Committee.
- Audubon Community Nature Center, Water Chestnut Rapid Response Program: Removed water chestnut plants from the Chautauqua Lake outlet and Maplehurst Country Club. Unspent funds from 2020 grant are being carried over into 2021 to continue this program.
- Roger Tory Peterson Institute, Aquatic Invasive Species Volunteer Taskforce: Resulted in detection and removal of >100 water chestnut plants from Chautauqua Lake Outlet near Celoron in 2020.
- Roger Tory Peterson Institute, Chadakoin River Basin Erosion Mitigation Study: Focuses primarily on the steep, rapidly eroding northern shore of the Chadakoin River basin, exploring opportunities to protect and sustainably stabilize it.

Total project budget: \$605,000

Alliance Role: Grantee; Grant administration

Funding Overview: Funding was provided by the Ralph C. Sheldon Foundation, The Lenna Foundation, the Chautauqua Region Community Foundation, and the Gebbie Foundation in the form of grants to the Alliance, which were subsequently distributed for Member projects.



2020-2021 Alliance Comprehensive Project Prioritization & Local Foundation Partnership Grant Program

Description: In fall of 2020, the Alliance partnered with the Ralph C. Sheldon Foundation, The Lenna Foundation, and the Chautauqua Region Community Foundation to continue the third year of a new local grant opportunity for Alliance Members for watershed and in-lake projects and programs. The grant application format and evaluation process was based on recommendations in the Alliance's *5-Year Implementation Strategy for the Management of Chautauqua Lake and Its Watershed* and associated updated Multi-criteria Analysis (MCA) Decision-Making Tool, which establishes a more objective, transparent approach for prioritizing projects and allocating resources. The Alliance published a Request for Applications in July 2020 and received 28 applications totaling almost \$2.74M. Scoring was performed using the updated MCA Tool by three independent groups – outside consultant EcoLogic LLC, Alliance staff, and a subset of members from the Alliance Data Analysis and Research Committee, Lake Management Committee, and Watershed Management Committee. The Alliance Board of Directors considered the results of the independent scoring groups as part of their decision making process. Preliminary funding recommendations were made by the Alliance Board of Directors to the partner Foundations in late 2020 with final decisions made in January 2021. Twelve of the 28 proposed projects are slated for at least partial funding for implementation in 2021. The project list is below:

- Chautauqua Lake Association, 2021 Operational Support
- Chautauqua Lake Association, 2021 Preseason Curly-leaf Pondweed Harvesting
- CWC, Chautauqua Lake Watershed Forest, Wetland, and Tributary Conservation and Enhancement Program
- CWC, Our Water, Our Lakes...One Community Program
- Towns of Busti, Ellery, Ellicott, and North Harmony and the Villages of Lakewood, Bemus Point, and Celoron, 2021 Herbicide Treatment Program (final allocations based on NYSDEC Permits)
- Town of North Harmony, Ball Creek Stabilization Project
- Village of Lakewood, Fairmount Stormwater Basin and Watershed Improvement Project
- Town of Chautauqua, Mobitrac Equipment Purchase
- Town of Chautauqua, Mobitrac Operations
- Chautauqua Lake Partnership, Chautauqua Lake Weed Survey
- Chautauqua Lake Partnership, Nitrogen Sensors (n=4)
- Roger Tory Peterson Institute, Aquatic Invasive Species Volunteer Taskforce

Total project budget: \$690,000

Alliance Role: Grantee; Grant administration

Funding Overview: Funding was provided by the Ralph C. Sheldon Foundation, The Lenna Foundation, and the Chautauqua Region Community Foundation in the form of grants to the Alliance, which subsequently are being distributed for Member projects.



Independent Third-Party Monitor for Chautauqua Lake Macrophyte Management - 2020 Herbicide Treatment Program

Description: In June 2020, the Town of Busti and the Villages of Lakewood and Bemus Point retained the services of SOLitude Lake Management to treat 86.4 acres of Chautauqua Lake for the invasive species Eurasian Watermilfoil using the NYS DEC permitted herbicide ProcellaCOR EC, which was the first time this herbicide was used in the lake. The Alliance, with funding from the County of Chautauqua, retained the services of Princeton Hydro to act as an independent third-party monitor for the 2020 Chautauqua Lake Herbicide Treatment Program, which was recommended by the 2019 *Chautauqua Lake Weed Management Consensus Strategy Memorandum of Agreement (MOA)*. The objectives of the of the third-party monitoring were to:

1. Evaluate the apparent effectiveness of the herbicide treatment.
2. Evaluate the potential impacts of the herbicide treatment on non-target plants.
3. Evaluate potential effects of herbicide treatments on ambient water quality via in-situ monitoring.

The complete 2020 report can be found on the Alliance's website at: <http://www.chautauquaalliance.org/projects/2020-herbicide-treatment-program-independent-third-party-monitor-for-chautauqua-lake-macrophyte-management/>

2020 Chautauqua Lake GPS Weed Management Program

Description: In the spring of 2020, the Alliance was awarded a grant from the Chautauqua Region Community Foundation (CRCF) to develop and implement a Global Positioning System (GPS) weed management program in coordination with the Town of Chautauqua and the Chautauqua Lake Association (CLA). The Alliance purchased 12 Lowrance Elite Ti² Fishfinder/Chartplotter units in total, but due to COVID-19-related delays in production and shipping, 7 units were deployed on 3 Mobitracs and 4 harvesters for a portion of the 2020 lake maintenance season. The new GPS data tracking program, which continuously records location, time and data, allows for a detailed evaluation of effort and work output over the course of the season, month, week, etc. The maps and other visualizations help build our historical datasets and allow us to share key information with stakeholders to help drive more evidence-based decision making and adaptive lake management. The outcomes support the County MOA/Consensus Weed Management Strategy by providing monitoring of weed harvesting and near-shore cleanup and providing information to the County to keep the Macrophyte Management Strategy current. In 2021, the program is expected to utilize all 12 units, which are anticipated to be deployed on 6 CLA harvesters, 2 County-owned/CLA-operated skimmers, and 4 Town of Chautauqua Mobitracs.

Funding Overview: Funding was provided by a grant from the Chautauqua Region Community Foundation.



2020 Chautauqua Lake Aquatic Data (CLAD) Mapping Program

In the summer of 2020, the Alliance initiated a new Chautauqua Lake Aquatic Data (CLAD) Mapping Program, which collects information and data on Chautauqua Lake conditions utilizing consumer-grade underwater video and sonar technology. The underwater video program, initiated in February 2020, involves Alliance staff using a rod-mounted GoPro Hero 7 Black waterproof camera deployed through the ice to perform visual assessments of macrophyte and other lake conditions. This information was shared with Chautauqua Lake stakeholders at the Alliance's March public Board meeting and displayed a wide array of conditions ranging from bare bottom to early-season curly-leaf pondweed growth and decaying plants. During the summer, the Alliance initiated a new sonar survey program that utilized consumer-grade Lowrance sonar technology to collect data on macrophyte biovolume, bathymetry, and bottom hardness in targeted areas of Chautauqua Lake. The Alliance performed repeat surveys at an approximately 40 acre section Bemus Bay, which is located in an area of high use and economic significance, on a monthly basis between June and November as part of the 2020 pilot program. Staff also surveyed portions of Sherman's Bay and the Village of Lakewood. The field data were processed by BioBase software, which produced user-friendly outputs for the Alliance to download and map using QGIS. In Bemus Bay, these surveys captured the curly-leaf pondweed peak in mid-June, the curly-leaf pondweed die-off in July, the increase of other macrophyte species in July through September, and then the beginning of the fall macrophyte senescence in November. The Alliance plans to continue and expand both the underwater video and the sonar survey programs in 2021 to evaluate lake conditions throughout the year, helping support an integrated macrophyte management program as well as providing baseline bathymetric data for lake ecosystem modeling.



2020 Chautauqua Lake Water Quality Research Panel

The 2020 Chautauqua Lake Water Quality Research Panel, sponsored by the Chautauqua Lake and Watershed Management Alliance, was presented on July 18, on the Chautauqua Institution's Virtual Porch as part of their summer programming. The panel, which was free and open to the public, featured presentations from researchers at the State University of New York at Fredonia, Bowling Green State University, and The Jefferson Project at Lake George. Topics included lake thermal stratification and implications for internal nutrient loading, drone surveillance of harmful algal blooms (HABs), phosphorus and nitrogen loading from the lake and watershed, and the use of integrated science and technology to understand lake dynamics and guide innovative solutions for lake protection and restoration. To watch a recording of the webinar, please visit the Alliance's website at <http://www.chautauquaalliance.org/news/2020-cl-water-quality-research-panel/> or by visiting the Chautauqua Institution's Virtual Porch On-Demand.

The event was free and open to the public. The Chautauqua Institution hosted the event on their Virtual Porch platform free-of-charge, and the panelists generously donated their time to present on their work.

The Jefferson Project at Lake George **FREDONIA** **BGSU**
STATE UNIVERSITY OF NEW YORK **Bowling Green State University**

Chautauqua Lake Water Quality Research Panel

Hosted by the Chautauqua Institution *Virtual Porch*

Saturday, July 18, 2020
9:30 AM to 12:30 PM

To Register, please visit:
CLWMA.chq.org

To be followed by a Regular Meeting of the Alliance Board of Directors (Entire event is Online Only)

Dr. Courtney Wigdahl-Perry & MaryAnn Mason, *Thermal Stratification and Implications for Internal P Loading & Drone Surveillance of HABs*, State Univ. of New York at Fredonia

Dr. George Butlerjahn, Dr. Timothy Davis & Jay DeMarco, *Deployment of in-lake phosphorus sensors to measure nutrient loads: initial data and future plans*, Bowling Green State Univ.

Dr. Rick Reylea, *The Jefferson Project: Integrating Science and Technology for Enduring Lake Protection*, Rensselaer Polytechnic Institute

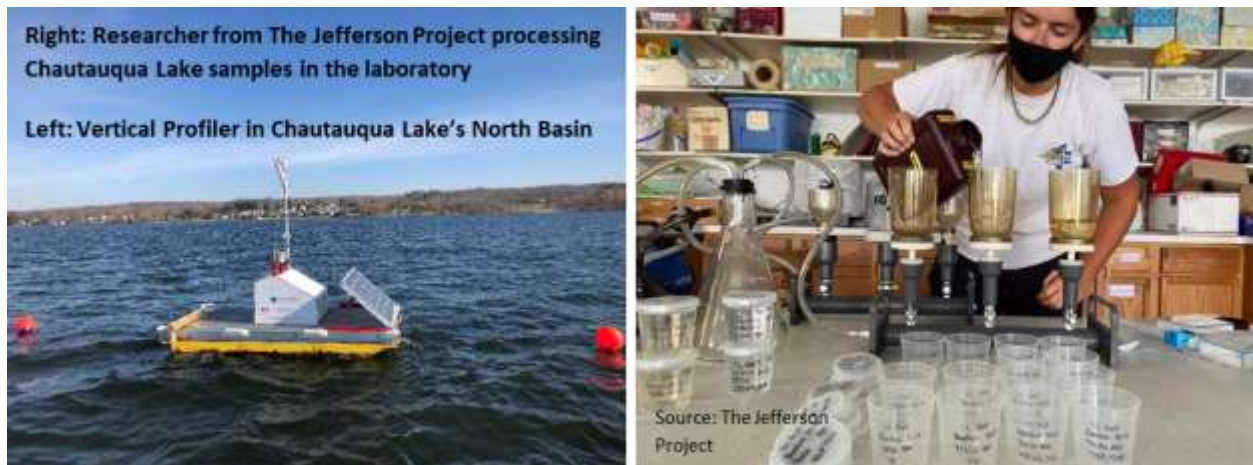
Presentations Followed by Q&A

Free & Open to the Public
Pre-registration is requested.

Presented in Partnership with the

The Jefferson Project at Chautauqua Lake

The Alliance, in partnership with the Chautauqua County Government and Chautauqua Institution finalized arrangements to introduce The Jefferson Project at Lake George, a state-of-the-art program for water quality and Harmful Algal Bloom (HAB) research to Chautauqua Lake. The Jefferson Project is a collaboration of Rensselaer Polytechnic Institute, IBM Research, and The FUND for Lake George, which employs a sophisticated technological approach to studying fresh water, with a goal of understanding the impact of human activity on fresh water, and how to mitigate those effects. In 2020, The Jefferson Project deployed two Vertical Profilers and Acoustic Doppler Current Profilers with attached weather stations in the North and South Basins of Chautauqua Lake. These sensors track water conditions from the surface to the bottom every hour, quantify water circulation patterns, and monitor local weather conditions. The sensor network data was integrated with survey data, including water chemistry and algae data that were collected for advanced analysis of the physical, chemical, and biological characteristics of the lake and their effect on HABs. In addition, the team is creating sophisticated computer models of the local weather, runoff, lake circulation, and food webs. The initial phase of the project began in late-August 2020 and continued through November 2020. The preliminary findings of this phase can be found in The Jefferson Project's presentation at the 2021 Chautauqua Lake Water Quality Research Panel, which can be viewed at <http://www.chautauquaalliance.org/news/2021-chautauqua-lake-water-quality-research-panel/>.



Alliance Committees

The Alliance extends its thanks to its many volunteers who participate in its three active committees, which are described below.

1. *Data Analysis and Research (DAR) Committee*

Chair: Mike Jabot, PhD

In 2020, the Alliance transitioned the former Scientific Review and Advisory Committee into a Data Analysis and Research (DAR) Committee. The DAR Committee is populated with individuals who have backgrounds in research, the natural sciences, engineering, data analysis, and/or other related technical fields and experience with the environmental factors impacting the health of Chautauqua Lake and its watershed. The purpose of the Committee is to provide scientific and technical input to the Board of Directors and Executive Director of the Corporation.

2. *Lake Management Committee*

Co-Chairs: Bruce Erickson & Mike Latone

The Lake Management Committee was formed with the purpose of coordinating in-lake maintenance, harmful algal bloom mitigation efforts, and potential future dredging efforts. This Committee is populated with local municipal leaders and executive directors and presidents of local lake managing organizations and is co-chaired by Alliance Board Members Mike Latone and Bruce Erickson. These meetings bring together many of the stakeholders involved with Chautauqua Lake maintenance in order to plan and coordinate in-lake maintenance.

- a. *Macrophyte Management Strategy (MMS) Subcommittee*

As part of the Lake Management Committee, the MMS Subcommittee was created and populated with a small group of individuals representing a variety of disciplines including Chautauqua County Watershed Coordinator Dave McCoy who chairs this Subcommittee. The Subcommittee is tasked with providing updates to the 2017 Chautauqua Lake Macrophyte Management Strategy (MMS) as the expectations and needs of Chautauqua Lake stakeholders have adapted and changed since its inception.

3. Watershed Management Committee

Chair: David Shepherd

The Watershed Management Committee was also formed in late 2019 with the purpose of providing guidance and feedback regarding potential Alliance partnered watershed projects and to recommend watershed project ideas for grant submission that attempt to reduce the flow of nutrients and sediments from the watershed into Chautauqua Lake. The Committee is populated with local municipal leaders, highway and department of public works superintendents, and representatives from the Chautauqua Watershed Conservancy, Soil and Water Conservation District, and County Department of Health and Human Services and is chaired by Alliance Board Member David Shepherd.

5/2020-5/2021 Board of Directors

Director:

Pierre Chagnon – Chair

Ted McCague – Vice-Chair

Mike Jabot – Secretary

Jim Andrews – Treasurer

Rob Yates

Mike Latone

David Shepherd

Paul (P.J.) Wendel, Jr.

Bruce Erickson

Nominating Member Affiliation:

County of Chautauqua

Village of Lakewood

Chautauqua Watershed Conservancy

Town of Busti

Town of North Harmony

Chautauqua Lake Partnership

Arnold Holmberg Foundation

County of Chautauqua (*Ex officio*)

Chautauqua Lake Association

Note: A maximum of 9 directors comprise the board of directors. Those listed above served for all or some portion of 2020. The first 9 directors listed comprise the Alliance Board as of the date of this report.

Special Recognitions

The Alliance wishes to recognize that we as a community continually stand on the shoulders of those who have gone before us. Special appreciation to all those listed below and to the many more who remain unnamed.

CLMC participants: Linda Barber, Chuck Battaglia, Bill Boria, Craig Butler, Sally Carlson, Pierre Chagnon, Doug Champ, Jane Conroe, Rick Constantino, Fred Crosscut, Bill Daily, Jeff Diers, Tom Erlandson, Mark Geise, Tom Geisler, Lyle Hajdu, Vince Horrigan, John Jablonski, Joe Johnson, Don McCord, Wade Morse, Debbie Naybor, Andrew Nixon, Karen Rine, Kevin Sanvidge, Kim Sherwood, Mark Stow, Art Webster, Dave Wilson, Tad Wright and Chris Yates

Leading the evolution from CLMC to an Alliance: Linda Barber, Pierre Chagnon, Don Emhardt, Mark Geise, Lyle Hajdu, Vince Horrigan, Don McCord, Dave McCoy, Randy Sweeney and Tad Wright.

Funders: The Lenna Foundation, Ralph C. Sheldon Foundation, Chautauqua Region Community Foundation, Gebbie Foundation, Holmberg Foundation, and the County of Chautauqua.

Appendix A

2020 May Member Meeting Minutes

Thursday, May 14, 2020 at 4:30 PM ET

Via Zoom due to COVID-19 pandemic

Directors Present: Jim Andrews, Ted McCague, Mike Jabot, Rob Yates, Bruce Erickson, Paul Wendel, Jr., Mike Latone, David Shepherd, and Pierre Chagnon.

Staff in Attendance: Vince Horrigan - Alliance Interim Executive Director, Randall Perry - Alliance Project Manager, and Taylor West - Alliance Communications Coordinator.

Others in Attendance: Linda Swanson - Sheldon Foundation; Tory Irgang - Chautauqua Region Community Foundation (CRCF); Jay Young - The Post-Journal; and Tom Erlandson

Member Representatives in Attendance: Karen Rine - South and Center Chautauqua Lake Sewer District; Debbie Moore & Rebecca Nystrom - Chautauqua Lake Association (CLA); Dr. Jim Cirbus - Chautauqua Lake Partnership (CLP); John Jablonski & Whitney Gleason - Chautauqua Watershed Conservancy (CWC); Dave McCoy - Chautauqua County; Pat McLaughlin - Town of Ellicott; Steve Hayes - Town of Ellery; John Shedd - Chautauqua Institution; Louise Ortman - Town of North Harmony; Marla Connelly - NYS Office of Parks, Recreation, and Historic Preservation Allegany Region; and Brian Dahlberg - Village of Bemus Point.

I. Call to Order

P. Chagnon called the Annual May Member Meeting of the Chautauqua Lake and Watershed Management Alliance (Alliance) to order at 4:34 pm.

II. Review of the 2019 May Member Meeting Minutes

B. Erickson made a motion to approve the 2019 May Member Meeting Minutes. R. Yates seconded the motion made by B. Erickson, which passed unanimously.

III. Secretary's Report on Notification of Quorum

D. Shepherd indicated that a quorum of the Board was present.

V. Horrigan indicated that written notifications of the Annual Meeting were sent out on March 12, April 8, and May 8, 2020. V. Horrigan indicated that 24 Member Voting

Ballots were received to date and the results of these ballots were counted and tallied by the Alliance staff.

IV. Election of Directors

R. Perry indicated that the Alliance staff canvassed all 26 members, 2 of whom elected not to vote. R. Perry indicated that based on the final vote counts, P. Wendel, Jr., J. Andrews, and D. Shepherd were all elected for a term on the Board.

V. Election of Officers

P. Chagnon indicated that the Board elects officers for Chair, Vice Chair, Secretary, and Treasurer each year.

B. Erickson nominated D. Shepherd for Chairman of the Alliance Board. B. Erickson withdrew his nomination.

D. Shepherd made a motion to nominate the current Chair (P. Chagnon) and Vice Chair (T. McCague) for another term; M. Jabot as Secretary; and J. Andrews as treasurer.

B. Erickson seconded the motion by D. Shepherd.

P. Chagnon called for a roll call vote on the motion.

Motion Carried: 6 Ayes (Jabot, Erickson, McCague, Yates, Shepherd, Wendel), 1 Nay (Latone).

VI. Presentation of 2019-2020 Annual Report

V. Horrigan presented on the Alliance's 2019 Annual Report. V. Horrigan thanked the Board, County, Foundations, and Alliance Members for their support. A copy of the report and presentation is available on the Alliance's website.

VII. Member Open Discussion

M. Latone indicated that he feels the MCA Tool and scoring process needs to be reviewed.

D. Shepherd commended the Alliance Staff on their work on the Annual Report.

VIII. Adjourn Annual Member Meeting

B. Erickson made a motion to adjourn the May Member Meeting. The Motion was seconded by T. McCague and was passed unanimously. The meeting adjourned at 5:08pm.