

GREAT LAKES EXECUTIVE COMMITTEE MEETING SUMMARY

June 1-2, 2016

Room 331, Ralph Metcalfe Federal Building

77 West Jackson Boulevard

Chicago, IL 60604

WELCOME AND INTRODUCTIONS

Welcome and introductory remarks were made by the Great Lakes Executive Committee (GLEC) Co-Chairs, Cameron Davis and Michael Goffin, followed by the introductions of meeting participants. The Co-Chairs stated that the June 2016 GLEC meeting will help shape three key 2012 Great Lakes Water Quality Agreement (GLWQA) components that will be reported on at the Great Lakes Public Forum including the first Progress Report of the Parties, proposed 2017-2019 Binational Priorities for Science and Action, and State of the Great Lakes reporting. Jennifer McKay was thanked for her service as GLEC Secretariat (Canada) over the first three years of implementation of the 2012 GLWQA. Carla Torchia (Environment and Climate Change Canada (ECCC)) is serving as the Acting GLEC Secretariat for Canada. The Co-Chairs also highlighted the recent announcement of the designation of the first set of Chemicals of Mutual Concern identified under Annex 3.

A list of meeting attendees can be found in Appendix A.

DECEMBER 2015 GLEC MEETING STATUS OF ACTION ITEMS

The December 2015 GLEC Meeting Summary was reviewed by GLEC members prior to the June 2016 GLEC meeting. It was approved at the meeting and will be posted to binational.net.

All action items from the December 2015 GLEC meeting were highlighted as complete or to be addressed during the meeting.

ANNEX UPDATES

Annex 1: Areas of Concern

Chris Korleski (United States Environmental Protection Agency (US EPA)) provided an update on Areas of Concern (AOCs) and progress on work plan activities on behalf of Annex Co-Leads Wendy Carney (US EPA) and John Gee (ECCC).

The *Situation Analysis* report is complete and will be made available to GLEC members. The report includes a review and comparison of Canadian and U.S. agency roles and practices for AOCs including delisting criteria, beneficial use impairment removals, AOC delisting, and public/stakeholder involvement. The *Situation Analysis* will provide information and support advice and recommendations to enhance the delivery of the AOC Annex by Canada and the United States.

The *Area of Concern in Recovery (AOCiR)* guidance will be available shortly. This guidance, along with other input, will assist the governments of Canada and the United States, agencies, and AOC Remedial

Action Plan implementation teams with applying the AOCiR concept.

Proposed 2017-2019 Binational Priority for Action:

- Canada and the U.S. will continue to vigorously implement RAPs to restore beneficial uses within domestic and binational AOCs.

Annex 2: Lakewide Management

Annex Co-Leads Chris Korleski (US EPA) and John Marsden (ECCC) provided an update on the Nearshore Framework, the Lake Superior LAMP, Outreach and Engagement, and Binational Priorities for Science and Action.

The draft Nearshore Framework was posted on binational.net on May 13, 2016 for a 60 day public comment period (ending July 12, 2016). The GLEC Co-Chairs plan to approve the draft Framework, pending revisions resulting from the comments received. The Nearshore Framework implementation team is planning a Lake Erie pilot assessment for 2016-2017.

The draft 2015-2019 Lake Superior Lakewide Action and Management Plan (LAMP) was revised to address comments received during the review period. The LAMP document will be finalized and posted on binational.net shortly. The LAMP distinguishes between longer-term management “actions” and 29 shorter-term “projects” that are priorities over the next five years. The 2016-2020 Lake Huron LAMP is now being drafted.

The Lake Partnership Working Group Outreach and Engagement subcommittees are requesting input from interested individuals/groups on the desired degree of stakeholder participation and interaction with Lake Partnerships. So far, 150 responses have been received (call posted on GLIN Announce on May 11, 2016, with a June 10, 2016 deadline).

Proposed 2017-2019 Binational Priorities for Science and Action:

Priority for Science:

- Identify and address lake-specific priorities for science and monitoring through the Cooperative Science and Monitoring Initiative and Lakewide Action and Management Plan processes. The Lake Partnerships will identify Cooperative Science and Monitoring Initiative (CSMI)-focussed science and monitoring priorities for Lake Erie in 2017, Lake Michigan in 2018, and Lake Superior in 2019.

Priorities for Action:

- Implement the 2016 Lake Superior and Lake Huron Lakewide Action Management Plans;
- Publish and begin implementation of Lakewide Action and Management Plans for Lake Ontario in 2017, Lake Erie in 2018, and Lake Michigan in 2019;
- Publish LAMP Annual Reports;
- Pilot the Nearshore Framework assessment in select areas to refine the approach for implementation at a basin wide scale; and,
- Increase outreach and engagement efforts.

Annex 3: Chemicals of Mutual Concern

Past Co-Leads Vincenza Galatone (ECCC) and Louise Wise (US EPA) were thanked for their hard work in leading the Annex over the last three years. ECCC will appoint a new Canadian Co-Lead and Margaret Guerriero is the new U.S. Co-Lead for Annex 3. The Parties designated the first set of recommended Chemicals of Mutual Concern (CMCs) on May 31, 2016. In addition, on May 31, 2016, the Parties announced that they are seeking nominations of chemicals for consideration in the development of a second set of candidate CMCs. Review of the next candidate CMCs will begin in winter 2017.

The Annex 3 Subcommittee has established the membership and statement of work for a Binational Strategies Development Group and has initiated the development of draft Binational Strategies for PCBs (polychlorinated biphenyls) and HBCD (Hexabromocyclododecane). Non-governmental stakeholders were notified that nominations of chemicals for consideration as candidate CMCs for the second round of evaluations must be received by August 29, 2016. Stakeholder submissions should adhere to the criteria in the stakeholder nominations support document, which is available on binational.net.

Annex 3 intends to enhance involvement of all stakeholders and improve communication and coordination. Draft binational strategies for PCBs and HBCD are to be completed and made available for review and input in winter 2017.

Proposed 2017-2019 Binational Priorities for Science and Action:

Priority for Science:

- Undertake research, monitoring and/or surveillance activities identified in Binational Strategies in order to address information needs for CMCs and to support future measurement/indicators work, and coordinate research, monitoring and/or surveillance activities to provide an early warning for chemicals that could become CMCs.

Priorities for Action:

- Continue the development of Binational Strategies for CMCs;
- Identify existing water quality standards, objectives, criteria and guidelines for CMCs as Binational Strategies are developed; and,
- Recommend candidate CMCs for consideration by the GLEC through applying the binational process and considerations, and continue to designate CMCs for the purposes of the Agreement.

Annex 6: Aquatic Invasive Species

Annex Co-Leads Gavin Christie (Fisheries and Oceans Canada) and Todd Turner (United States Fish and Wildlife Service (US FWS)) provided an update on the work that is underway.

No Aquatic Invasive Species (AIS) have been detected in the Great Lakes since the 2012 GLWQA. Many agencies are coordinating to implement early detection and target the high risk of invasion and establishment of hot spots. A study was completed to determine if barge tows could transport small surrogate fish in the voids between barges. Additionally, a pathway risk analysis for illegal trade, transport, and recreational boating were completed. Containment and control technologies (near real-time eDNA) sound and CO₂, and a microparticle piscicide delivery system are being developed and tested to target Bighead and Silver Carps. It is designed to minimize mortality of native fishes and

Canadian studies for mesocosm containment and disruption to control AIS. A tool is currently under developed by the US FWS that can project AIS climate niche within the Great Lakes basin for climate change.

Proposed 2017-2019 Binational Priorities for Science and Action:

Priorities for Science:

- Determine feasibility and effectiveness of AIS eradication and containment methods to inform rapid response decision making;
- Develop technology and methods to achieve effective barriers that prevent the spread of AIS while allowing the movement of other ecosystem components through canals and waterways;
- Develop and evaluate early AIS detection technologies and methods;
- Research and develop technologies and methods for control and eradication of AIS; and,
- Determine the effects of habitat and climate change on risks of AIS establishment.

Priorities for Action:

- Support harmonization of and access to risk assessments of species, pathways, and vectors of AIS.

Annex 7: Habitat and Species

Annex Co-Leads Lynn Lewis (US FWS) and Susan Humphrey (ECCC), provided an update on commitments and Lynn was thanked and congratulated on her upcoming retirement.

The presentation highlighted the good work that's underway by partners to implement the Biodiversity Conservation Strategies in each lake. The Strategies are being used to guide development of the LAMPs. The *Conducting a Baseline survey of Great Lakes Habitat Report* is undergoing a 60 day review (through July 12, 2016), concurrent with the review of the draft *Great Lakes Nearshore Framework* report. The report describes the approach for conducting a baseline survey of existing habitats to establish a Great Lakes Basin ecosystem target of net habitat gain.

Proposed 2017-2019 Binational Priorities for Science and Action:

Priority for Science:

- Pilot the Habitat Baseline Survey in select areas to refine the approach to evaluate habitat (including understanding climate change effects) for implementation at a Great Lakes wide scale.

Priority for Action:

- Complete a review of existing Great Lakes habitat and species conservation strategies and strategic plans to identify gaps and common priorities as the basis for developing a binational framework for prioritizing actions.

Annex 8: Groundwater

Annex Co-Lead Norman Grannemann (US Geological Survey (US GS)) was thanked for his leadership on this Annex and wished his best in retirement. Norm presented an overview of the status of the draft Groundwater Science Report. The final report will be released June 2016.

Major conclusions of the report cite that i) groundwater enhances surface water quality, especially in pristine areas, ii) groundwater provides treatment or storage that can protect surface water quality, iii) groundwater provides a long-term source of contaminants, due to the fact that it moves slowly through the system, and iv) contaminated groundwater adversely affects surface water quality.

Next steps related to the report which were identified include developing better tools to coordinate efforts to develop a basin wide assessment; establishing science based priorities to assess distribution of known and potential groundwater contaminated sites and convene researchers; advancing monitoring and assessment of groundwater; and work towards using data from existing monitoring wells for the development of a groundwater water quality indicator based on the conservative tracers nitrate and chloride.

Proposed 2017-2019 Binational Priorities for Action:

- Develop better tools to assess groundwater-surface water interaction and use them to advance assessment of regional-scale groundwater discharge (quantity) to surface water in the Basin;
- Establish science-based priorities to advance the assessment of the geographic distribution of known and potential sources of groundwater contaminants relevant to Great Lakes water quality, and the efficacy of mitigation efforts; and,
- Advance monitoring, surveillance, and assessment of groundwater quality in the Great Lakes Basin.

Annex 5: Discharges from Vessels

Annex Co-Leads Chris Wiley (Transport Canada) and Lorne Thomas (United States Coast Guard (USCG)), provided an update on activities related to the prevention and control of vessel discharges including considerations related to the entry into force of the International Maritime Organization's Ballast Water Management Convention, ballast water enforcement efforts, an update on a U.S. Coast Guard-Transport Canada-Canadian Coast Guard Working Group examining the movement of crude oil on the Great Lakes, and outreach efforts at the Great Lakes Waterways Forum.

Annex Co-Lead Lorne Thomas (USCG) highlighted the closed comment period for the New York State's No-Discharge Zone proposal for the St. Lawrence River.

Annex 4: Nutrients

Annex Co-Leads Susan Humphrey (ECCC) and Tinka Hyde (US EPA) provided an overview of Annex 4 activities. The Parties succeeded in meeting the time-bounded commitment of setting phosphorus loading targets for the western and central basins of Lake Erie. Annex Task Teams are currently designing an approach to monitor progress in achieving the targets.

The Tributary Monitoring Task Team acknowledges that good point source loading data and good tributary loading data from Heidelberg University stations in some of the tributaries exist, but there is limited loading data for smaller watersheds. The In-lake Monitoring Task Team is initially focusing on monitoring of open lake and nearshore harmful algal blooms (HABs). The Loading Estimation Task Team is determining how to institutionalize the load calculation effort to ensure that the Parties can conduct estimations on a regular basis and sustain it into the future.

Approaches under discussion for tracking progress include eutrophication response indicators for in-lake tracking, in-stream tracking, tributary load calculations of Total Phosphorus and Dissolved Reactive Phosphorus and Nitrate and flow-weighted mean concentrations of these parameters, land-based targets, and percent of land under conservation practices. Tracking will be parsed by sectors of stormwater, agricultural runoff, and municipal runoff. The Great Lakes Commission Blue Accounting Initiative is planning to track progress via ErieSTAT, which could potentially also be a tracking tool for Annex 4.

The path forward for the Eastern Basin phosphorus target for *Cladophora* is to reconvene the Targets and Objectives Task Team in June to review final recommendations from the January 2016 Annex 10-Annex 4 *Cladophora* workshop. This will further engage experts to advise the Annex 4 Subcommittee on targets with the intent of proposing targets in December 2016.

A Task Team was established for Lake Ontario to summarize nearshore and offshore information on nutrient conclusions and algal issues, identify gaps and monitoring needs, and identify ecosystem models that could be used to set targets. The Task Team will review a consultant report and make recommendations to the Nutrients Annex Subcommittee in June 2016.

Proposed 2017-2019 Binational Priorities for Science and Action

Priorities for Science:

- Establish monitoring techniques and modeling approaches to enable tracking progress towards Lake Erie phosphorus load reduction targets; and,
- Continue to identify and fill gaps in research, monitoring and modeling to support the future establishment of phosphorus concentrations, loading targets and allocations in the remaining Lakes.

Priorities for Action:

- Engage stakeholders in the development and begin implementation of phosphorus reduction strategies and domestic action plans for Lake Erie no longer than 2018; and,
- Establish phosphorus loading reduction targets that will minimize impacts from nuisance algae in the eastern basin of Lake Erie.

Lake Erie Phosphorus Reduction Action Plans

Representatives of the states of Michigan, Ohio, Indiana and Pennsylvania and the province of Ontario, updated GLEC on their efforts to develop and implement action plans to reduce phosphorus loads to Lake Erie.

Shifting Sands: A Path to Sustainability documentary film

“Shifting Sands”, a documentary film of Lake Michigan and its dune lands was aired in the closing of Day 1.

Day 2

Cam Davis and Mike Goffin recapped the highlights of Day 1.

Annex 9: Climate Change Impacts

Annex Co-Leads Doug Kluck (United States National Oceanic and Atmospheric Administration (NOAA)) and Patrick Quealey (ECCC) highlighted the completion of two quarterly climate outlooks in December 2015 and March 2016 and the upcoming next two quarterly publications anticipated for June and September of 2016. Co-Leads also discussed the finalization of the Climate Change Science Report, which was posted to binational.net in June 2016. Webinars were held with Annex 9 Subcommittee members and others to highlight findings from the Climate Change Science Report and initiate discussion on the knowledge gaps identified in the report and discussions from other Annexes in regards to their priorities for climate change information – this work to examine the gaps and prioritize future climate change work under the Annex will continue.

Proposed 2017-2019 Binational Priorities for Action:

- Work with other Annexes to identify their highest priority needs for climate change information to support implementation of their commitments and to ensure climate change impacts are considered throughout the GLWQA;
- Work with the Science Annex to provide guidance on climate change indicators for use in the State of the Great Lakes (SOGL) reporting; and provide guidance on how to incorporate climate change information in other relevant SOGL indicators;
- Assess which agencies or individuals are best suited to address, or are already addressing, high priority needs identified in the "State of Climate Change Science in the Great Lakes Basin: A Focus on Climatological, Hydrologic and Ecological Effects" report;
- Refine and continue to issue "Great Lakes Climate Summaries and Outlooks" fact sheets with enhanced bi-national collaboration to produce and deliver climate information on a regular basis.

Annex 10: Science

U.S. Annex Co-Lead, Paul Horvatin (US EPA), was congratulated on his retirement. Canadian Annex Co-Lead, Ram Yerubandi (ECCC), provided an update on the activities under the Science Annex including the *Cladophora* workshop held in January 2016 (Annex 4 and 10); CSMI coordination (Annex 2 and 10); coordination on developing research and monitoring strategies in Lake Erie (Annex 4 and 10); cross-annex discussions on identifying potential science topics that would require Annex 10 to conduct science assessments; and, future work to evaluate existing distributed data and information access systems and platforms and test a system through a Lake Erie data management and sharing pilot (Annex 4 and 10).

Nancy Stadler-Salt (ECCC, Ecosystem Indicators and Reporting Task Team Co-Lead) presented work undertaken to date to develop the 2017 State of the Great Lakes Report and how the draft assessments of the nine indicators and 43 sub-indicators were aligned to, and supported reporting on the nine General Objectives of the GLWQA. Science confirmation webinars over February and March 2016 were held in order to confirm the findings in the draft indicator assessment reports and develop the Status and Trends and the key message for the indicators, which would be used for the State of the Great Lakes (SOGL) presentation at the Great Lakes Public Forum and produce the SOGL reports to release in 2017.

Proposed 2017-2019 Binational Priorities for Action:

- Continue to implement the Cooperative Science and Monitoring Initiative that coordinates planning, delivery and reporting of science on a lake-by-lake five-year rotation;
- Finalize and release the State of the Great Lakes 2017 reports;
- Maintain and improve the suite of Great Lakes ecosystem indicators used to assess conditions, including initiating the process to identify endpoints for some indicators;
- Develop tools for GLWQA Annex Co-Leads, program managers (e.g., SOLEC) and project managers (e.g., nearshore framework) to assess the usefulness of the various data access systems/platforms for their work;
- Integrate science activities across all Annexes to ensure that essential knowledge gaps are filled and that science needs across the Agreement are effectively managed; and,
- In consultation with Annex Co-Leads, the International Joint Commission and others, identify potential subject areas for science assessments that would contribute to management actions and policy development. Final selection of subject area(s) to be made by the Great Lakes Executive Committee in consultation with the Co-Chairs.

Article 6(c) Notification and Response

Cam Davis (GLEC Co-Chair) highlighted the GLWQA's Article 6 Notification protocol in operation over the last two years for sharing information on planned activities that could lead to a pollution incident or have a significant cumulative impact to the Waters of the Great Lakes. The notification protocol has worked well, with no GLEC member expressing concern related to the implementation of Article 6's Notification process.

Progress Report of the Parties

GLEC Secretariat Chris Korleski (US EPA) and Carla Torchia (ECCC) presented an overview of the draft Progress Report of the Parties, which identifies domestic and binational actions taken in the first three years of the implementation of the Agreement. A timeline for GLEC member input and finalization and posting on binational.net in September 2016, in advance of being presented at the Great Lakes Public Forum, was also highlighted.

2017-2019 Priorities for Science and Action

The GLEC Secretariat Chris Korleski (US EPA) and Carla Torchia (ECCC) described the 2017-2019 Priorities for Science and Action, to be developed pursuant Article 5 of the GLWQA, which will guide the key science and actions for each Annex for the next three years. The timeline for GLEC member input and finalization and posting on binational.net in September 2016, in advance of being presented at the Great Lakes Public Forum, was also highlighted

Great Lakes Public Forum

The GLEC Secretariat, Chris Korleski (US EPA) and Carla Torchia (ECCC) highlighted the upcoming Great Lakes Public Forum, where the U.S. and Canada will discuss and receive public comments on the State of the Great Lakes, Binational Priorities for Science and Action, and the Progress Report of the Parties; the International Joint Commission will hear public comments on the Parties' progress; and, the last day of the Forum will be devoted to celebrating the Great Lakes.

NEWS AND COMMENTS FROM MEMBERS

The following GLEC members provided news or updates:

- Deborah Lee from the National Oceanic and Atmospheric Administration (NOAA) highlighted the National Weather Service new national water model—forecasting stream flows across the nation, similar to weather forecasting. NOAA is hosting a workshop focused on soliciting regional hydrological data and forecasting needs and will address those needs through development of Great Lakes basin-wide land surface hydrological data and forecasts. This workshop has a particular emphasis on hydrological models that require international coordination of data between the United States and Canada across the Great Lakes basin. It will include both Great Lakes regional stakeholder perspectives on hydrological modeling and forecasting needs, with an emphasis on basin-scale binational data, and models and on technical requirements for developing state-of-the-art binational hydrological data. The workshop will highlight forecasting systems across the Great Lakes basin along with an identification of resources that are either available or could be developed to meet requirements.
- David Ullrich from the Great Lakes and St. Lawrence Cities Initiative expressed concern for the upcoming decisions on Waukesha diversion. The Great Lakes and St. Lawrence Cities Initiative is opposed. Dave also touched bases on the Flint and Toledo drinking water crisis and explained that the Cities Initiative is developing a program to help its member cities determine if they have infrastructure problems, the nature of those problems, and potential solutions.
- James Zorn from the Great Lakes Indian Fish and Wildlife Commission (GLIFWC) reminded GLEC that the Agreement is not binational - it is multinational. Tribes bring their expertise and long history regarding the Great Lakes and their representation during Great Lakes decision-making is important. The GLIFWC is very proud of the Lake Superior LAMP, and recalls how the Binational Program allowed fish managers to talk to environmental managers.
- Dave Burden from Fisheries and Oceans Canada provided updates on infrastructure investment, current program efforts of the Fisheries Protection Program, and the second Asian Carp Summit on October 3, 2016. The governments' mandate letters noted the use of scientific evidence and the precautionary principle to manage fish stocks and included restoring the annual federal funding for freshwater research making new investments in the Canadian experimental lakes. Fisheries and Oceans Canada will work with ECCC to review commitment to protect the Great Lakes and Winnipeg basin. The new \$200 million funding over 5 years will support freshwater science, ecosystem stressors, and aquaculture.
- Andrew McAllister from the Canadian Nuclear Safety Commission provided an update on the Deep

Geological Repository. The Minister of ECCC requested further information in February 2016 on environment effects and alternative locations and mitigation commitments. In addition, Andrew discussed the planned re-licensing activities in 2016 for existing facilities on the Great Lakes such as the Port Hope conversion facility, where remediation will be done onsite to address contamination because the harbor is an AOC.

- Steve Dominy from Natural Resources Canada (NRCan) conveyed his positive impressions of the meeting. Steve did not have a Port Hope clean-up update but did mention NRCan's involvement in the clean-up and also work on Groundwater science and monitoring data synthesis.

COMMENTS FROM COMMISSION REPRESENTATIVES

Comments were provided from the following Commission representatives:

- Marc Gaden from the Great Lakes Fishery Commission (GLFC) noted that they are working on a joint strategic plan for the GLFC, states, province, and Tribes to come together to develop environmental principles for fisheries and is excited to work closely with Annex 2. For Annex 6, the GLFC and Illinois Monitoring and Response working group are developing a new contingency plan for Asian carps.
- Lana Pollack from the International Joint Commission (IJC) provided an update of the following activities: a new draft PBDE report being posted and request for feedback; a new monthly newsletter authored by the IJC called, "*Great Lakes Connection*"; the IJC's plans to present science papers to a broader public and request for good material to educate the public; progress on agreement of Plan 2014, which would be an opportunity to help 64 000 acres of wetland in the lakes, through modification of the Moses-Saunders dam operation order.
- Victoria Pebbles from the Great Lakes Commission noted support of Blue Accounting Source Water Initiative and ErieSTAT (the Commission's platform to track progress towards meeting 40% phosphorus reduction); water quality trading pilot in the Lower Fox River Watershed; HABs collaborative webinar series (will be in Toledo in Fall of 2016); Ballast water conference; drinking water, waste water and sewer infrastructure; Great Lakes conference in Detroit; and Greater Lakes Project.

OBSERVER COMMENTS

Comments were provided from the following observers:

- Lyman Welch from the Alliance of the Great Lakes highlighted his excitement to hear about all of the great work underway by the GLEC and expressed the need to take action on nutrients. Lyman also expressed concerns that Domestic Action Plans will fall short if legislative tools are not used with incentive approaches.
- Katherine Buckner from the Council of Great Lakes Industries stated this GLEC meeting was an inclusive and welcoming meeting. She encouraged the GLEC to tell a positive story about the lakes during the Great Lakes Public Forum and how day 3 is great way to encourage people to talk positively about the lakes.

ACTION ITEMS

It was decided that:

- The GLEC Secretariat to make the June 2016 GLEC presentations available on the EPA SharePoint.
- Annex 1 to distribute the *AOC Situation Analysis* report and *Area of Concern in Recovery* guidance to GLEC members.
- Annex 2 to post the Lake Superior LAMP following GLEC Co-Chair approval and to finalize the Nearshore Framework after taking into consideration the comments received during comment period.
- The GLEC Secretariat Distribute the June 2016 GLEC draft meeting summary.
- Annex 8 to post the final Groundwater Report on binational.net.
- GLEC Members and Observes to provide their input and comments on the draft Progress Report of the Parties by June 10, 2016.
- GLEC Members and Observers to provide their input and comment on the proposed 2017-2019 Priorities for Science and Action by June 30, 2016.
- GLEC Members to submit their preference for dates to the GLEC Secretariat for the December 2016 GLEC meeting.

NEXT MEETING & ADJOURNMENT

Via conference call

December 5-6 or 12-13 or 15-16, 2016

June 1 to 2, 2016 GLEC MEETING PARTICIPANTS

Canadian Participants

1. Jennifer Boehme - *remotely*
2. Benoit Bouchard
3. Dave Burden
4. Mark Burrows
5. Matthew Child
6. Gavin Christie
7. Diane de Beaumont – *remotely*
8. Steve Dominy
9. Bonnie Fox – *remotely*
10. Jon Gee – *remotely*
11. Raj Gill – *remotely*
12. Michael Goffin
13. Susan Humphrey
14. Courtney Jackson
15. John Jackson – *remotely*
16. Dr. Gail Krantzberg – *remotely*
17. Ash Kumar – *remotely*
18. John Marsden
19. Ling Mark
20. Pamela Joosee - *remotely*
21. Andrew McAllister
22. Patrick Quealey
23. Pamela Finlayson - *remotely*
24. Christine Rogers
25. Nancy Stadler-Salt
26. Hugh Langley - *remotely*
27. Carla Torchia
28. Gorden Walker
29. Julia Hatcher – *remotely*
30. Colin Henein – *remotely*
31. Cindy Warwick
32. Glenn Benoy – *remotely*
33. Stacy Cherwaty-Pergentile – *remotely*
34. Rod Whitlow
35. Dale Van Stempvoort – *remotely*
36. Debora VanNijnatten – *remotely*
37. John Wilson - *remotely*
38. Tim Palmeter – *remotely*
39. Lisa Sealock – *remotely*
40. Victor Serveiss - *remotely*
41. Chris Wiley
42. Ram Yerubandi – *remotely*

43. Colleen Duke
44. Dawn Sucee – *remotely*
45. Markus Tuohimaa – *remotely*
46. Valerie Marshall - *remotely*
47. Paul Allen – *remotely*
48. Antonette Arvai – *remotely*
49. Sean Backus – *remotely*
50. Lesley Baker – *remotely*
51. Jennifer Collingswood – *remotely*
52. Richard Morgan – *remotely*
53. Carissa Wong – *remotely*
54. Mike Goffin

U.S. Participants

1. Lorne Thomas
2. Sara Moses – *remotely*
3. Michael Murray – *remotely*
4. Ashley Snyder - *remotely*
5. John Linc Stine
6. Hala Kuss – *remotely*
7. Sonny Myers
8. Bob Lambe – *remotely*
9. John Allan
10. David Ullrich
11. Roger Knight
12. Barry Manne - *remotely*
13. Jennifer Keyes - *remotely*
14. Jon Hortness
15. Seth Ausubel – *remotely*
16. Lyman Welch
17. Jennifer Day
18. Aubrey Maccoux-LeDuc
19. Phyllis Ellin
20. Jennifer Vanator
21. Jim Zorn
22. Jessica Tarbell
23. James Schardt
24. Bruno Pigott
25. Chris Korleski
26. Cam Davis
27. Lynn Lewis
28. Trish Morris
29. Dereth Glance
30. Stephen Galarneau – *remotely*
31. Lana Pollack
32. Edlynzia Barnes

33. Adam Rissien
34. Wendy Carney
35. Victoria Pebbles
36. Carl A. Platz
37. Karl Gebhardt – *remotely*
38. Tinka Hyde
39. Rick Balla
40. Margaret Guerriero
41. Deborah Lee
42. Adriana Forest
43. Marc Gaden
44. Tim Eder
45. Aakruti Shah
46. Tim Bruno
47. Kathryn Buckner
48. Stephanie Harmon
49. Sharon Jaffess
50. Eda Lam
51. Elizabeth Laplante
52. Elizabeth Hinchey – Malloy
53. Derek Ager - *remotely*