DMAG SPRING 2025 MEETING AGENDA
(April 24, 2025 01:00 – 02:30 Central)

1. Welcome (Zac/Mark)
   a. New APHL Intern – Liam T. Working primarily with Greg B. on TDEP modeling tasks. Will work to support NADP team and work on special PO projects.
2. Data Review and Reporting (Zac/Dana)
   a. Network summaries & Status (Zac Najacht/Dana Grabowski)
      i. NTN – December 2024 reported – January in review.
      ii. MDN – December 2024 reported – January in review.
      iii. MLN (Litterfall) – 2023 dataset review complete & reported out
      iv. AMoN – December 2024 reported – January in review.
      v. AMNet – 2024 Reported Out and on web.
      vi. PRECIP – Current
   b.

Network	Approx. Sites	Approx. Samples per Month
NTN	240	12259 / 12 mo. = 1022
MDN	75	3804 / 12 mo. = 317
MLN	26	Seasonal / Variable
AMoN	91	2557 / 12 mo. = 213
AMNet	9	8760
PRECIP	270	1080 (270 / week)

   c. Data to website (Mark Kuether)
      i. Web data status
         1. MDN - data posted through:
            a. Weekly – December 2024
            b. Annual - 2023
         2. NTN – data posted through:
            a. Weekly – December 2024
            b. Monthly, Season, Annual, WY - 2023
         3. AMoN – data posted through:
            a. Bi-weekly - December 2024
            b. No annual summaries
         4. AMNET – Data posted through 2024
         5. MLN – Data posted through 2023

3. Updates (Zac/Mark/Jean)
   a. Data Review:
      i. Jean and Zac are finalizing the new process SOP.
      ii. Training new fellow on process (as able with TDEP tasks)
      iii. Detailed record comparison test for Nov data set. Working on completing comparison after January data processed.
      iv. Continuing with efforts to reorganize staff due to changes:
         1. Amy no longer at nadp ☹
         2. Staff role transitions.
         3. Jean to depart in 2025.
      v. Mark updated web checks to catch possible application code errors that are date based.
   b. Potential changes to NADP data related to Network Optimization efforts (exec)
      i. Initial thoughts
      ii. Current map criteria limits.
         1. Criteria 1 and 2 time based on actual sample time divided by total sample time (start of first to end of last sample)

2. 75% at 1 week samples ~13 samples.
3. 75% at 2 week samples ~6 samples.

  iii. Our efforts to provide exec information
    1. Jean/Mark working on historical NTN 1-week data – combing into 2 week data to simulate how 2 week samples will look.

c. NTN Process Updates (Zac/Mark)
  i. Turn around time for NTN, MDN, AMON currently at:
    1. NTN = 69 days
    2. MDN = 84 days
    3. AMON = 48 days
  ii. OCR – being researched by OIS for all of SLH – outside of direct NADP PO control. This remains an important aspect for future improvements.
    1. Still in financial planning stages. David Gay continuing to work with WSLH on this effort / plan.

d. MLN (Litterfall) notes codes & QR codes (Zac/Dana/Mark/Casey)
  i. Still working through notes and QR codes for MLN. Lower priority to more immediate topics.

e. AMoN (Zac/Mark)
  i. AMoN Web Review Process is actively being used since August data set.
  ii. All data on web is static.
  iii. Travel Blank Temperature and Pressure study – Future NADP involvement:
    1. Recommending NADP retain its role as raw data resource and make no adjustments to NADP data.
    2. NADP AMoN web site to have data notices and news item to link to Environment Canada for researchers as needed / desired.

f. Web Updates (Casey/Mark)
  i. Precip Network API code needs final adjustment before going live. Page is ready for publishing when API code is correct.
  ii. API updates:
    1. Rollout plan is 75% completed.
    2. Public facing document is 50% completed.
    3. API code on hold over security concerns – being researched by Casey and OIS.
  iii. PFAS sub-network page added to NTN menu selection.
  iv. ALPHA passive ammonia study page added to AMON menu selection

g. Map Updates (Mark)
  i. Charts and Maps
    1. Mark worked with Greg Beachley to determine the correct algorithm for integrating PRISM rasters with NADP precipitation data.
    2. Canadian Map integration – long term vision:
      a. Current NADP trend mapping protocol.
      b. Do not interpolate across great lakes or on eastern coast.
      c. AB32 and AB36 hotspots – mapped as urban for current time?
      d. Canadian precipitation w/o PRISM data? Interpolate and clip at border? Leave as dots?
  ii. Next Steps
    1. Updated precipitation integration code to be used for January 2024 maps after January 2024 data review and aggregations are completed.

2. Site classifications script to be implemented after the PRISM integration code is implemented.
3. AMON Charts to be added to web site after January 2024 data is reviewed and aggregated. This will only include existing charts found in the NADP network drives.
4. AMNET Charts to be added to the web site after AMON charts are posted. This will only include existing charts found in the NADP network.
5. Efforts to generate animated maps to start after these other maps are completed.

    h. Data Products Updates (Mark)
       i. New sample status report (Sample Status Hub) for US federal agency sites.
1. Used to report on sample receipt status with recent changes in US federal government.
2. Quick implementation. Still adjusting as we move forward.
      ii. Jean to work on Running Criteria Report after building simulation
1. How to send to state holders?
2. To be generated monthly during web data processing.
3. To use current map Algorithm for current time. This only takes reviewed samples into account.
4. Future implementations to include un-reviewed samples to provide more timely view

4. Additional Discussion Topics (Various)