Data Management and Analysis Subcommittee Minutes

Monday, October 20, 2003

Overview

Motion by Gary Stensland: Approve minutes from Spring 2003 meeting as written.
Seconded by Gary Lear.
Motion carried.

Watershed Deposition

See Attachment 1

- Suggestion from Spring meeting: use NWS precip data (or other source) for wet deposition maps
- Potential bias from using NWS sites – underestimate deposition at higher elevation sites
- Lat/Lon of NOAA data only to nearest minute (location needs to be more precise)
- G. Stensland used NCDC data to do deposition for climate division

Motion by Gary Stensland: PO should explore other precipitation sources such as the NWS coop network for spatial interpolation of precipitation.
Seconded by Jim Lynch.
Motion carried.

MDN Deposition Maps

See Attachment 2

- Good coverage in Eastern US.
- Require site density for grid value (2 or 3 sites required for grid cell to have valid value)?
- 500 km radius around site used for maps shown.

Motion by Gary Lear: PO will continue to develop MDN isopleth maps by experimenting with requirements for the minimum number of sites for a valid cell value, with the radius of influence, etc. with new results to be shown at the Spring meeting.
Seconded by Chris Rogers.
Motion carried.

Deposition Animation

- How do we make users aware of the role of precip?
- Used same 150 sites common to all years.
Lost Site of 2002

*See Attachment 3*

- Death Valley, CA site met completion criteria but had such a strong influence on graphed that Exec committee decided to remove it.

*Motion by Gary Lear:* NADP should no longer exclude sites from the isopleth maps because they create a “bullseye”. The PO should advanced methods of spatial interpolation to avoid these such as kriging or changing the radius of influence.
  Seconded by Gary Stensland.
  Motion carried.

MDN Data Audit

- Review and act upon HAL response.
- Greg Wetherbee nominated to put together response close-out.
- Review team will evaluate HAL response and work with Greg.
- Greg will present a summary at the Spring meeting.

MDL/MRL

*See Attachment 4*

- Approved at Spring meeting to establish MDL each year.
- DMAS tasked to come up with MRL.
- Chul-Un Ro commented that NatChem using 2/3 instead of half the MDL in summary statistics.

*Motion by Gary Lear:* Include table on web site showing historical detection limits. Also add to FAQ.
  Seconded by Gary Stensland.
  Motion carried.

Alternate Rainfall Measurements

*Motion by Gary Lear:* Add documentation on web page explaining that alternate rain gage data are sometimes used.
  Seconded by Gary Stensland.
  Motion carried.

USGS Field Chemistry QA Data

Tabled until Spring Meeting.

Election of DMAS Secretary

Bob Larson elected DMAS secretary.