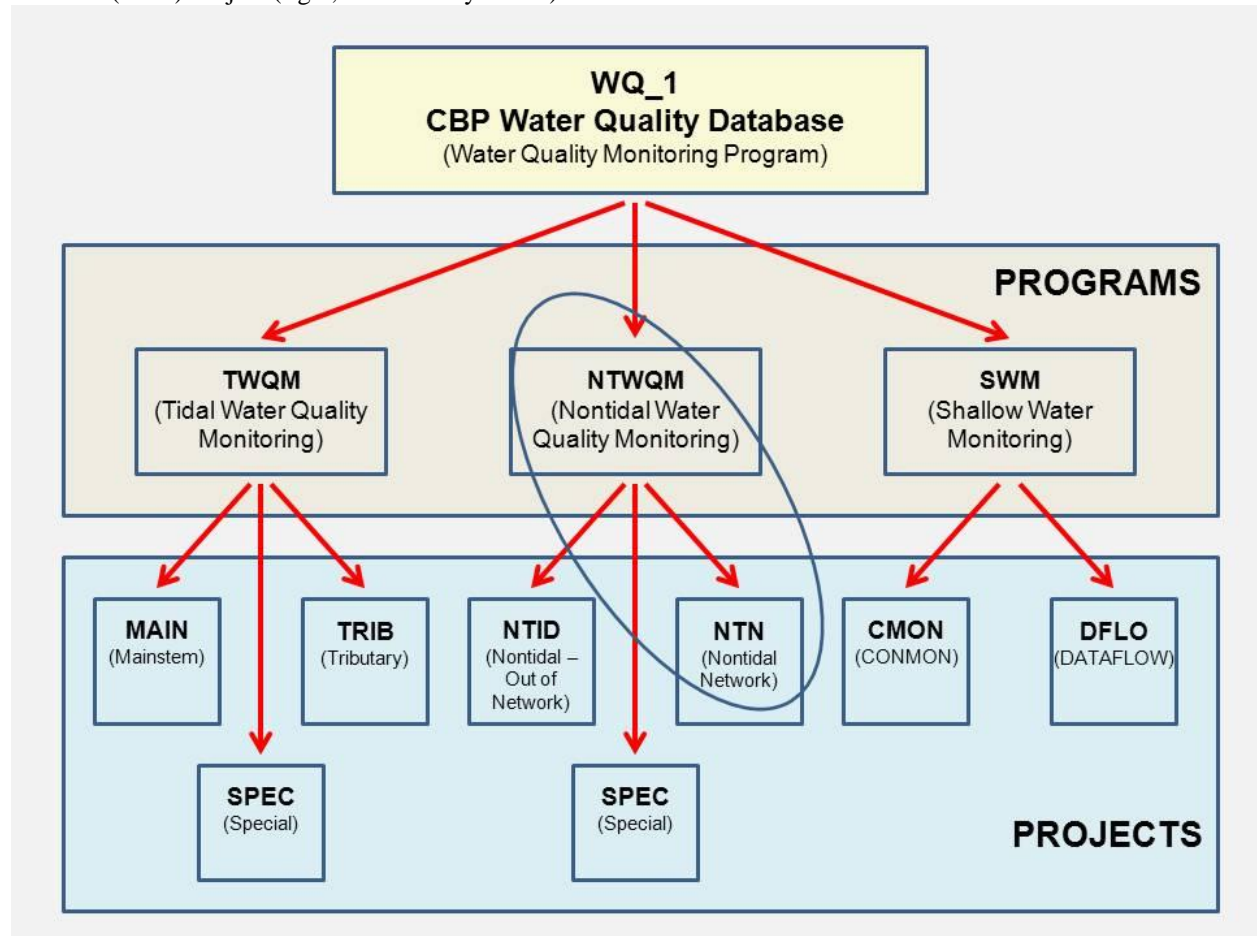


UPDATE April 11 2012

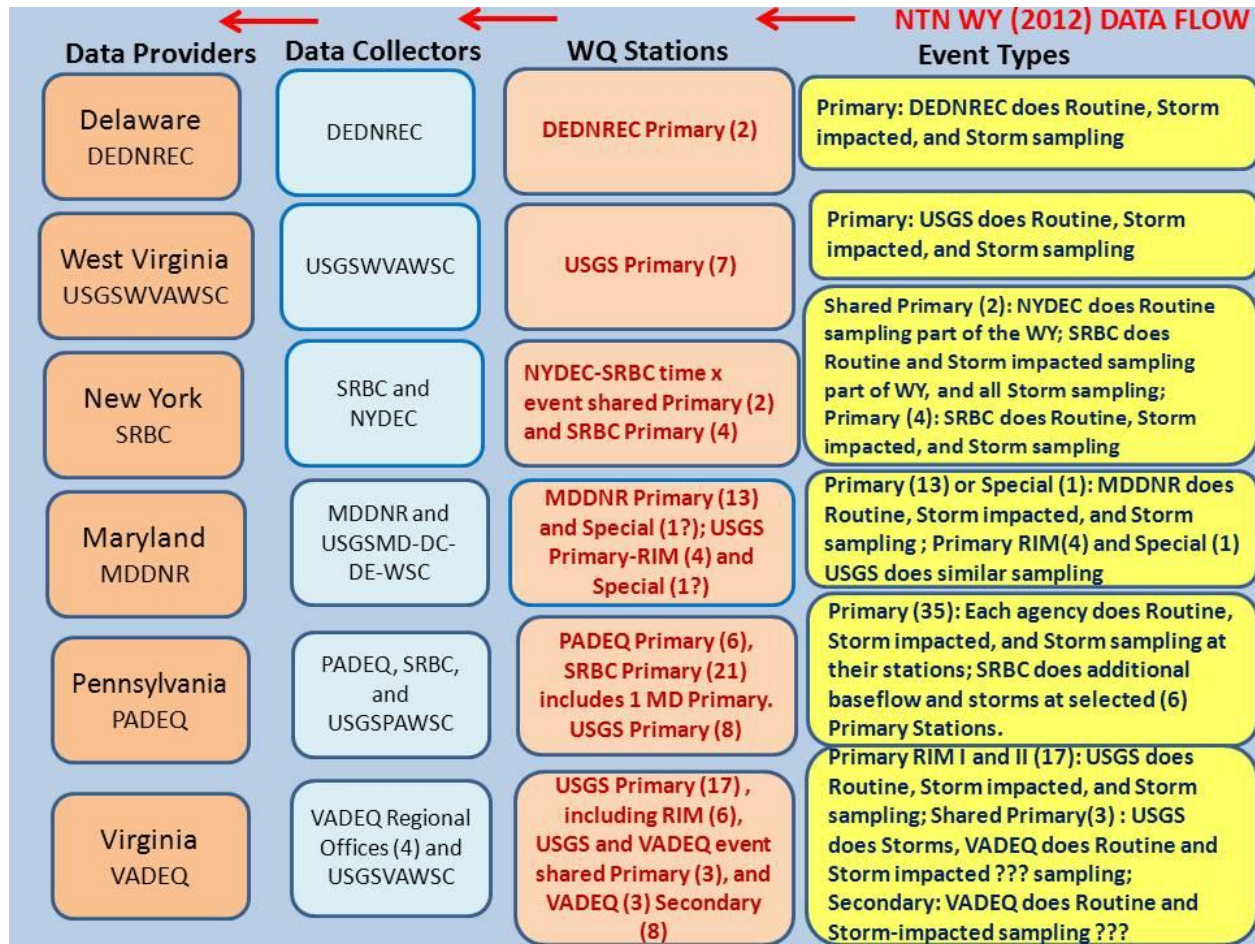
**Status and Upcoming Activities for Nontidal Network Monitoring and Data Submission under FAST\_DUET for WY2012 and Future Water Years**

A formal, automated, standardized, and timely (FAST) process which includes a data upload and evaluation tool (DUET) is being piloted under the Nontidal and Tidal Water Quality Monitoring Programs of the USEPA Chesapeake Bay Program. Under this FAST-DUET pilot process, selected water-quality, meta, and quality-control data for WY2012 will be provided to the CBP Nontidal Water Quality Monitoring Program's (NWQMP)'s Nontidal Network (NTN) Project (fig.1, immediately below).



The flow of expected data for WY2012 is being characterized for over 100 NTN primary, secondary, and other monitoring stations, as collected by 13 different federal, state, and other agencies, and as it will be provided to the CBP by six State agencies, which are all members of the CBP NTN Workgroup (fig. 2).

The general activities to be performed, and proposed timing of these activities, to complete a major portion of the NTN Annual Data Process Life Cycle under the FAST-DUET process for WY2012 (and in general for any future WY) also have been identified (Table 2. Major NTN Workgroup activities and their timelines for FAST DUET NTN Project by Calendar (Water) Year, see attached spreadsheet).



**Figure 2. Expected flow of WY2012 data from NTN Water-Quality monitoring station (100 plus) as submitted by Data Collectors (13) to State Data Providers (6), who, in turn, will upload the expected data using DUET.**

### **Remaining FAST-DUET Activities That Involve NTN Data Providers and Collectors**

The following activities need to be completed with the collaboration of the NTN Workgroup members, and in particular, Data Providers and Data Collectors, to finalize the development and implement the FAST-DUET process, and to obtain the metadata needed to characterize this process and the expected WY2012 (and future WY) data:

- (1) Selected data collectors need to complete the recent spreadsheet designed to capture the expected water-quality and selected metadata for WY2012 data by WQ station. This information is needed to develop DUET for the WY2012 data upload, and provide metadata content for the USEPA ESAR Methods Standard. (Please see attached spreadsheet-- NTN FAST\_DUET Expected WQ and Related Meta Data for Submission WY2012\_Table\_Apr 11 0800 hrs).
- (2) Selected quality control data related to field blanks and replicate surface-water samples will be requested as part of the expected WY2012 data, the nature and appropriation of these data needs to be described and discussed, respectively, with NTN Workgroup, and, in particular, Data Collectors and Providers.
- (3) The proposed mechanism for submission of expected WY2012 (and future WY) data by Collectors to Providers, and in turn Providers to Duet, is MS Access. Use of MS Access, including versions supported, needs to be discussed with NTN Workgroup, and, in particular, Data providers and Data Collectors.

- (4) Additional metadata related to the location of the water quality sampling site(s) associated with each USGS Streamgage needs to be obtained to complete the USEPA ESAR Monitoring Location Standard. In addition, this information has been requested by the CBP Watershed modelers. A proposed process to obtain this information is being developed, and needs to be discussed within the NTN Workgroup, and, in particular, Data Collectors and Providers.
- (5) Upon the completion of DUET programming and beta testing in 2012, Data Providers and Collectors will be offered training in the development of MS Access files suitable for DUET data uploads; Data providers also will be offered training in uploading data using these MS Access files.