

Delaware River Basin Commission

Status Update: *Aquatic Life Designated Use Program*

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Water Quality Advisory Committee

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Eutrophication Model Development

□ Model enhancement:

- Upgraded re-aeration function using the energy dissipation rate – required code modification in both EFDC and WASP models
- Incorporated 3rd version of the Delaware Estuary specific light extinction formulation
- Debugging of the beta version of WASP through collaboration with EPA Region 4

□ Model calibration:

- Completed the vertical resolution evaluation
- Focused on phytoplankton dynamics and sediment diagenesis

□ DRBC modeling team meets with the model expert panel every 3 weeks

- The joint meeting between the WQAC and the model expert panel will be scheduled as the model calibration progress