PRIORITIES AND NEEDS FOR THE DELAWARE RIVER BASIN

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Delaware River Watershed Facts

- Over 15 million people (about 5% of the U.S. population) rely on the waters of the basin
- Drains 13,539 mi², or 0.4 of 1% of the continental U.S. land area
- Longest undammed river east of the Mississippi
- Daily water withdrawal in the DRB = 8.7 BGD
Interconnected Water Resources

- Local Hydrogeology & aquifer Productivity
- Waste Water
- Consumption
- Well Head Protection
- Land Use
- Stormwater
- Aquatic Ecosystems
- Water Quality
- Erosion & Sediment
- Streamflow
- Nonpoint source pollution/ runoff
- Permitting
- Impaired & Threatened Water Bodies
- Groundwater
- Water Well Systems
- Transfers
- Eutrophication
Salt Line
(250 mg/l, 7 day avg)

Water Supply Intakes
RM 110

1960’s Maximum

Normal
R.M. 77

Data for determination provided by the U.S. Geological Survey and Kimberly-Clark Corp.
Flood Mitigation
Fish Consumption Advisories
Sustainable Water Resources - 2060

- Population – Change and Location
- Energy Generation – Water Footprint
- Ecological Flows
- Natural gas Development?
- Point and Non-Point Pollution
- Climate Change
  - Sea level rise, intense storms, droughts
POTENTIAL IMPACTS

- Salinity – Major Water Supplies – Trenton
- Flood Mitigation – Reservoir Storage
- Land Use Changes in Headwaters
  - Loss of forests, increased impervious
- Water Quality Degradation

- Big Changes in Water Management Needed
Selected Priorities

- Climate Change
- Flooding
- Water Supply