Regional Water Resources Committees

Delaware
Great Lakes
Lower Susquehanna
Ohio
Potomac
Upper/Middle

List of Basin-Specific Priorities/Issues developed by each Committee

Delaware Water Resources Regional Committee
List of Priorities/Needs
February 18, 2004

Public education/outreach

- government officials (decision makers)
- general public
- planners
- Engineers
- Developers
- CCDs

Storm and waste water management

- Infiltrating generating sub-basin
- New development
- Retrofitting old development/existing
- Identify/protect Flood plains
- Alternate technologies (recycling etc.)
- Managing extreme conditions (flood, drought)

Ground water/Surface water quality and quantity

- infiltration
- non-point source pollution
- safe yield (surface water/ ground water connectivity)
- role of DRBC, DEP, PUC, DCED, PEMA, CCD. PennDot etc. (regulatory responsibility)
- adequate data on all water withdrawals
- regulation/recognition of non regulated withdrawals
- control of toxics
- adequate supply of potable water
- beneficial uses
- BMPs – ag
- transportation issues (spills and releases)

Regional planning/land use

- balancing/encouraging economic development
- respect regional comprehensive plans
- consistency among water resources and land use planning
- transportation planning (water resource impacts)
- respecting high priority designation streams

PRIORITIES/NEEDS - MANAGING WATER RESOURCES IN THE GREAT LAKES BASIN

February 10, 2003

Protect Water Quantity

- Define Resource (groundwater and surface water)
- Define Uses (Consumptive and non-consumptive)
- Define Users (environmental/recreation/economic/agriculture…)
- Allocations
- Balancing Water
- Who will manage water resources (decision making authorities)
- Emergency management
- Prioritize use
- Export/transfer
- Import
- Recycling
- Upgrade infrastructure
- Future demand
- Education

Protecting Water Quality

- Ecological resources
- Stormwater management
- Upgrading infrastructure
- Define users
- Define resources
- Define uses
- Who is regulating (what standards apply and how are they applied)
- Well abandonment
- Non-point source pollution
- Recycling/conservation
- Wastewater management
- Establishing current water quality
- Education
- Home land security issues
- Land use
- Balanced uses

Land Use Impacts/Sustainable Planning

- Stormwater Management
- Erosion and Sedimentation control
- Protecting groundwater supplies
- BMPs in agriculture
- Wellhead protection
- Correlating with regional and municipal planning
- Education
- Unique Shoreline Issues (????)
  - Public access
  - Bluff recession
  - Floodplain management
  - Littoral drift

Collaborate, Coordinate and be Cognizant with Great Lakes Basin

- Regional planning
- Regional dialogue
- Education

Communicating with the Public

- Protect key ecological resources
- Minimum and maximum use of the basin
- Water Quality
- ID problem areas
- Defining water sources
- Transfer of water outside the Great Lakes basin
- Define who will manage the resources
- How to handle water allocations in emergency situations
- Water Allocation
- Common sense issues management-find the common ground
- Balancing uses
- Consumption issues
- Economic growth while still balancing the environmental issues
- Upgrade older infrastructure
- Stormwater Management
- Erosion and Sedimentation control
- Protecting groundwater supplies quality/quantity/zoning
- Recycling
- Encouraging wise ag practices (BMPs)
- Understanding and integrating Regional planning for Lake Erie and Great Lakes
- Communication mechanism to public info out and info in
- Education
- Establishing use priorities
- Balancing and protecting recreational use
- Land use as it impacts the resources

LOWER SUSQUEHANNA RIVER BASIN
REGIONAL WATER RESOURCE COMMITTEE
February 2, 2004

Water Quantity
- Water budget
- Demands – current projected
- Conservation strategies
- Shortfalls
- Storage
- Availability
- Interbasin transfer
- Minimum instream flow

Water Quality
- Pollutants
- Sources (of pollution)
    - Point
    - Nonpoint
- Addressing pollution

Land Use
- Identify types of uses
    - Current and future
- Effects of land use
    - Quantity and quality
- Identify critical areas
- Tools for solutions

Groundwater
- Data needs
- Safe yield
- Recharge
- Degradation
- Aquifer characteristics
- Conservation strategies

Surface Water
- Data needs
- Recreation
- Aquatic life
- Safe yield
- Conservation strategies

Ohio River Basin Priorities

February 9, 2004

Maintaining water supply (loss prevention)

- Mining
- Loss of residential water
- Residential use/lack of planning for the future
- Groundwater/stormwater recharge
- Old infrastructure/ Malfunctioning sewage systems (on-lot and combined)
- Contingency plans

Appropriate, applied use of technology

- conservation technology (e.g., recycling)
- saving technology
- remediation/treatment technology
- water quality
- water quantity
- improving infrastructure
- recharge
- nutrient management

Economic development

- Identify type of economic development and address that need to enhance growth
- Define intended water uses
- Identify uses, needs, and allocations
- Plan for how to replace what we're using

- positive incentives for economic growth (e.g., regulatory approvals)
- need to maintain existing and to increase job base
- wise brownfield re-use

Public Education and Outreach on Water Resources

- provide info to public
- obtain feedback from public
- need more info/data on water resources

Balancing multi-purpose uses

- protecting existing uses
- trading and credits ?
- intended uses (e.g., storage)
- emergency allocations
- water budgeting
- Protection of current clean water resources
- Incentives for water storage
- Balance between/among different uses (both in regular and emergency conditions)

Potomac Water Resources Committee
2-20-04
Priorities/Needs

Inventory Supply

- Continuous monitor/update
- Quantity
- Quality
- Location

Inventory Demand

- How much is being used?
- What is the future demand?

Balancing Supply And Demand

- Water budgeting
- Land Use
- Conservation and Recharge Technology
- Alternative uses
- Water resource management tools to local Govt
- Upgrading infrastructure
- Comprehensive Regional Planning
- Planning that respects water
- Authority of County Government
- Managing Growth
- Storage Issues

Protecting/preserving Instream and Groundwater needs

- Riparian Buffers
- Habitat issue
- E and S issues
- Improving Wastewater discharge Quality
- Non point discharge impacts

Upper/Middle Susquehanna Regional Water Resources Committee

REGIONAL PRIORITIES / NEEDS

(Organizational Revision 3/4/04)

1. Institutional / Management Issues

- Land Use & Sprawl
- Conservation Incentives
- Adequate tools and data for local management decisions
- Improved planning and statutory authority to control development
- Ownership Issues
  - Water Sharing
  - Multi-municipal cooperation/planning
  - NIMBY impacts on regional planning
- Public Involvement and Education

2. Conservation, Preservation and Protection

- Sustainability for Multiple Uses
- Non-Withdrawal Uses and Values
  - Conservation of critical habitat areas
  - Preservation of important economic / recreational uses
- River Corridor Management
  - Greenways
    - Stream Buffers
    - Flood loss reduction
    - Groundwater recharge enhancement
    - Downstream benefits
  - Lands Acquisition
    - Private ownership impacts and conflicts

3. Resolution of Existing Problems

- Water Quantity
  - Over use
  - Diminished stream buffering capacity
  - Loss of groundwater recharge areas
  - Stormwater management
    - peak flow
    - groundwater recharge
- Water Quality
  - Acid mine drainage
  - Acid Rain
  - Impaired waters, TMDL's
  - Streambank erosion sediment run-off
  - Point and non-point source stormwater and groundwater pollution controls

- Oil & natural gas wells
- Mining activities; ex. acid mine drainage
- Agricultural practices; ex. nutrient / sediment run-off
- Forestry practices
- Sprawl
- On-lot septic systems
- Combined sewer outfalls

4. Future Water Needs and Impacts

- Water Quantity
  - Out-of-state development pressures
  - Impact of forestry, mining, agricultural uses
  - Impact of industrial uses
    - Bottled Water Industry
    - Power Generation
    - Growth and Development Impacts of all industry
  - Development / Growth Uncertainty
- Water Quality
  - New pollution potential
    - Oil & Gas well development impacts
    - Non-coal and coal related mining
    - industrial pollution
    - Municipal wastewater

5. Opportunities for Economic Development

- Marketing water resource for economic development
- Water & wastewater treatment opportunities
  - High purity applications
- Development and prudent management of groundwater resources (safer, plentiful)
- Exploration of geologic resources - opportunities
  - Valley & Ridge Province
  - Appalachian Plateau
- Water Exporting
  - Leverage excess supplies
  - Leverage existing and new headwater development projects
    - Non-withdrawal uses (recreation etc.)
    - consumptive use make-up
    - groundwater recharge
    - cumulative downstream benefits