

Potomac Water Resources Regional Committee
Data Gaps

1. How much water is available for use in industry, etc.?
2. What is the consumptive use of the watershed as a whole and individually, ie, Industry, Ag,...?
3. How much water is lost due to evapotranspiration?
4. Potomac Basin/Four county hydrological background/information
5. Where is the legendary underground lake aquifer and how do we tap it?
6. Current and projected water supply and demand in our region?
7. Water level, ground
8. Geological maps for our area
9. Effect of acid rain
10. Delineation of groundwater basins
11. Geologic delineation over groundwater basins
12. Delineation of surface watersheds over groundwater basins
13. Static water levels, flow, water well yields on a readable database: USGS, Topo Geo, DEP, Water suppliers, etc.
14. Listing of water studies done in basin
15. Amount of groundwater available
16. Water transferred from groundwater to surface water- private well to public sewer to stream discharge
17. Groundwater supplies
18. Population centers
19. Water quality info

20. No comprehensive systems of stream gages and groundwater monitoring wells to determine groundwater levels and base flow levels- real time or long term trends
21. Difference between modeling water budgets and actual parameter measurement
22. Catalogue of outstanding approved residential lots per municipality in this region- a building lot inventory
23. Projected growth rates throughout the region
24. Identify areas where conditions are not appropriate for onlot systems
25. Location of wastewater treatment facilities within the region
26. Where the pollutants are coming from
27. How fast is the groundwater table dropping
28. Recharge credits and recharge rates
29. Stream gaging funding strategy to keep network functional
30. Lack of knowledge of groundwater part of resource
31. Maps of problem (pollution) areas
32. Sources of water sources
33. Which sewer plants need upgrades
34. Water quality surface and groundwater data and supporting environmental data from watershed
 - a. Inventory of current watershed land environments
 - b. Plant/animal species diversity (land and water)
 - c. Habitat types
 - d. Present ones and proposed future ones

35. Water quality surface and groundwater data and percent stream buffer - now? and in the future?

- a. Inventory of current watershed land environments
- b. Plant/animal species diversity (land and water)
- c. Habitat types
- d. Present ones and proposed future ones

36. Recharge data – streams and groundwater – deep wells, shallow wells

- a. Inventory of current watershed land environments
- b. Plant/animal species diversity (land and water)
- c. Habitat types
- d. Present ones and proposed future ones

37. Lack of comprehensive knowledge of water supplies with water basin

38. Lack of a comprehensive knowledge of water use

39. Lack of data that provides good info on water losses in the water budget and consumptive uses (and have dramatically changed over years)

40. Ground water supply

41. Defining any critical water planning areas in the Potomac Basin

42. Defining the amount of consumptive use

43. Adequate number of groundwater monitoring wells for table measurement

44. Maps indicating “official” GW monitoring wells and official stream gauging station

45. Recognized factors for water use planning and budgeting beyond 62.5 gpd/person - ie., potable storage per consumer, raw storage per consumer, etc...

46. Recharge zone

47. Population statistics (current, future, density centers)
48. Water consumption data (current, future) in municipalities and industries
49. Basin-wide geologic maps useful for groundwater budget calculations
50. Old state-wide plan – where is it?
51. Other data that might be available and helpful for committee to have as background info.
52. Map of watersheds for Potomac basin
53. Sub-basin reports from the old state water plan – “why reinvent the wheel?”