

8410.0060 LAND AND WATER RESOURCE INVENTORY.

Subpart 1. **Required.** Each plan must contain an inventory of water resource and physical factors affecting the water resources based on existing records and publications. If data publications and maps are available at a convenient central location, they may be included by reference. The plan must include a brief summary of the data and must identify where the publication can be obtained. At a minimum, the information in subparts 2 to 11 must be included in the plan. Subparts 2 and 4, item E, may be in the local plan instead of the watershed management organization plan.

Subp. 2. **Precipitation.** Each plan must include precipitation data normally used in the seven-county metropolitan area for hydrologic and hydraulic design.

Subp. 3. **General geology and topographic data.** Each organization plan shall contain a summary describing the general topographic relief, geology, aquifers, and all known groundwater and surface water connections. The summary should reference available publications and maps where data may be available in greater detail. A map defining appropriate subwatershed units within the organization must be included.

Subp. 4. **Surface water resource data.** Necessary surface water data within the watershed includes:

A. a map of the public waters and public ditch systems established under Minnesota Statutes, chapter 103D or 103E, including the location of existing dams and control structures;

B. a copy of the National Wetlands Inventory Map produced by the United States Fish and Wildlife Service and, if considered useful by the organization, a copy of the Metropolitan Mosquito Control District Mosquito Control Wetland Inventory;

C. either an inventory of the functional values of the wetlands present, a provision for a phased project to create the inventory within a given time frame, or the adoption of a specific process to identify the functional values on a case-by-case basis for the review of individual project proposals, all of which must be consistent with Minnesota Statutes, section 103B.3355;

D. a table of the major hydrologic characteristics of public waters if provided by the Department of Natural Resources in a format that can be readily incorporated in a plan;

E. maps showing the areas served by each existing storm water system that identify existing storm water ponds and the location of all storm water outfalls;

F. a table summarizing available information on the 100-year flood levels and peak discharges of existing and proposed storm water ponds and flood profile information that corresponds to the peak discharges of channelized flow passing through the watershed. The plan shall determine the need for additional data and recommend a schedule for

the data. A discussion must also be provided relative to the consistency of the flood profile information developed as part of the storm water management plan to that of any information published in a Federal Emergency Management Agency flood insurance study;

G. a general discussion of, or a map showing areas of, known flooding problems not identified as flood-prone in a published flood insurance study;

H. a listing of the existing flood insurance studies and a location of where they can be viewed;

I. a summary of water quality data and any related information, if available, from the Pollution Control Agency, the Department of Natural Resources, the Department of Transportation, the Department of Health, the Metropolitan Council, the Metropolitan Waste Control Commission, the water management organization, the soil and water conservation district, and the affected counties and cities;

J. a map or list, if available, showing the location of known existing and abandoned surface water quality and quantity monitoring sites;

K. a list of municipalities with approved shoreland ordinances and projected completion dates for those without ordinances; and

L. a table listing the amounts and locations of all surface water appropriations as permitted by the Department of Natural Resources and provided to the organization.

Subp. 5. **Groundwater resource data.** Necessary groundwater data includes any data required to be included in the organization plan by a county groundwater plan. If a county groundwater plan is not anticipated to be completed, the organization plan must include groundwater data as necessary to allow groundwater issues to be addressed.

Subp. 6. **Soil data.** Each organization plan must include a general discussion of the types of soil present, their development limitations, their infiltration characteristics, and their tendency to erode. The discussion must include a list of references where more detailed data are available.

Subp. 7. **Land use and public utility services.** Necessary land use and public utility services information is limited to information that existed at the time the plan or plan amendment was developed, including:

A. a general map of existing land uses;

B. a general map showing anticipated land uses; and

C. reference to the location of the metropolitan urban service area.

Subp. 8. **Water-based recreation areas and land ownership.** Necessary information on water-based recreation areas and land ownership includes a map or a discussion of the location of all existing and proposed local, regional, state, and federal parks, preserves,

wildlife areas, recreation areas, state water trails, and water accesses available for use by the public.

Subp. 9. **Fish and wildlife habitat.** Necessary information on fish and wildlife habitat includes:

A. a list and description of the Department of Natural Resources ecological and management classifications for lakes and streams, where available;

B. a list and description of the conclusions and recommendations of biological surveys or reconnaissance studies, where available; and

C. a description of state management plans for fish and wildlife areas, where available.

Subp. 10. **Unique features and scenic areas.** Necessary unique feature and scenic area information includes a map or a description or listing of unique features and scenic areas with relationships to water including state designated natural and scientific areas; areas containing county, state, and federal rare and endangered species; and other features such as waterfalls, springs, historic mills, and heritage elements identified by the Department of Natural Resources heritage program, to the extent it is available from the department.

Subp. 11. **Pollutant sources.** Necessary information on pollutant sources includes a map or list from appropriate agencies of:

A. known closed and open sanitary landfills, closed and operating open dumps, and hazardous waste sites identified under Minnesota Statutes, chapter 115A or 115B, and a summary of available water quality information relating to these sites; and

B. feedlots, abandoned wells as defined by the Department of Health, registered underground and aboveground storage tank sites, permitted wastewater discharges, and a summary of available water quality information relating to these sites.

If the information in this subpart is included in a county groundwater plan, the information can be excluded from the organization plan if suitable references are provided.

Statutory Authority: *MS s 103B.101; 103B.211; 103B.231; 103B.227*

History: *17 SR 146; L 2010 c 361 art 4 s 82*

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