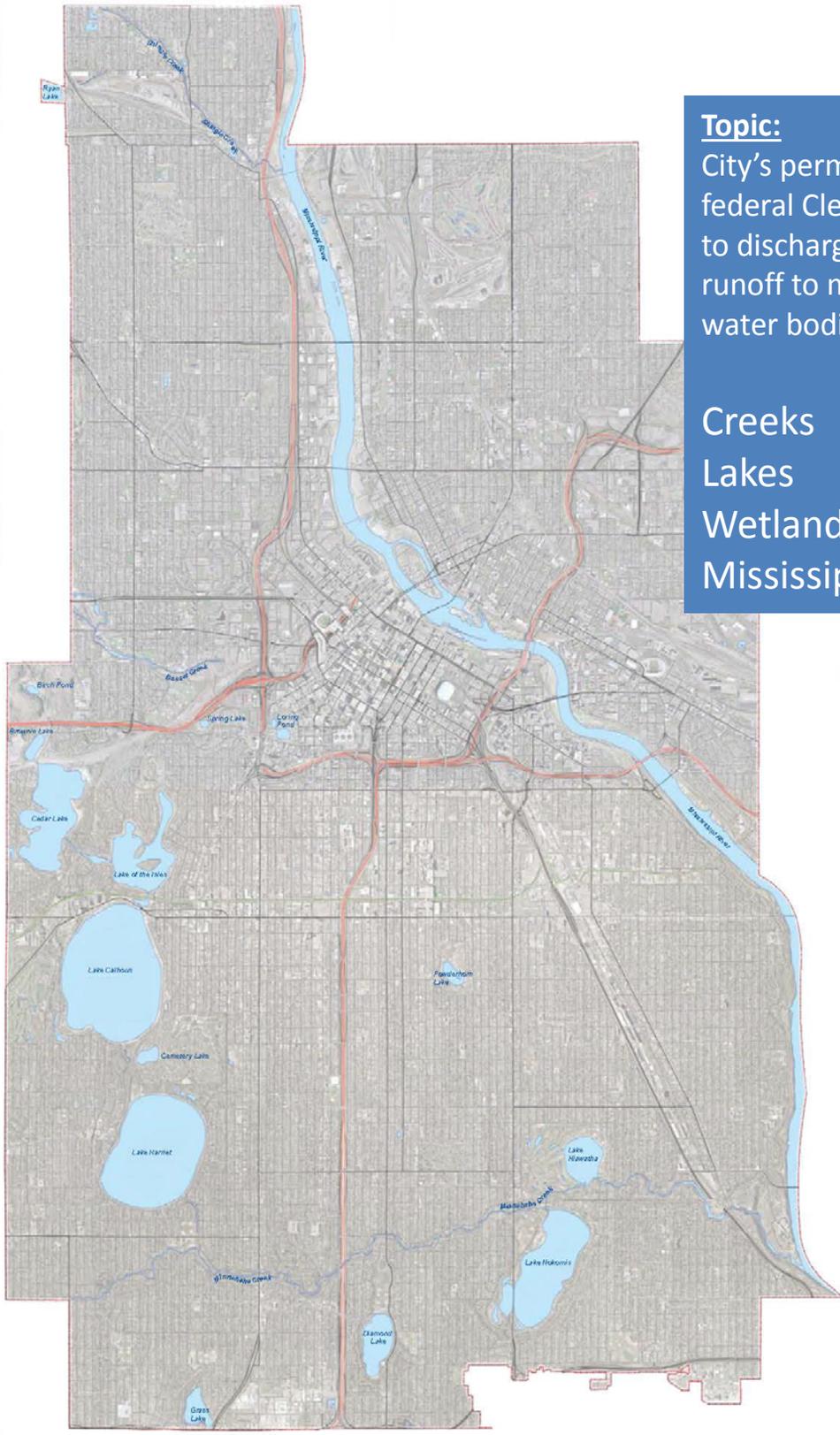


Topic:
 City's permit under federal Clean Water Act to discharge stormwater runoff to many receiving water bodies . . .

- Creeks
- Lakes
- Wetlands
- Mississippi River



- Minneapolis Streets**
- INTERSTATES
 - MAJOR ROADS
 - RESIDENTIAL STREETS
 - RAMPS
 - TRAILS
- Minneapolis Water Bodies
- Minneapolis City Limit Boundary



MS4 Permitted Area and Receiving Waters





- Minneapolis Streets**
- INTERSTATES
 - MAJOR ROADS
 - RESIDENTIAL STREETS
 - RAMPS
 - TRAILS
-  Minneapolis Water Bodies
-  Minneapolis City Limit Boundary



MS4 Permitted Area and Receiving Waters



Total Maximum Daily Load = TMDL

Federal Clean Water Act – US EPA

In Minnesota:
Pollution Control Agency
Department of Natural Resources

Each state must set standards for water bodies
... For each pollutant of concern
... Based on **beneficial uses**

Impairment: How much of a pollutant can be assimilated by the water body without exceeding the standard?

BENEFICIAL USES

All waters of Minnesota are assigned classes based on their suitability for the following beneficial uses:

1. Domestic consumption
2. Aquatic life and recreation
3. Industrial consumption
4. Agriculture and wildlife
5. Aesthetic enjoyment and navigation
6. Other uses
7. Limited resource value

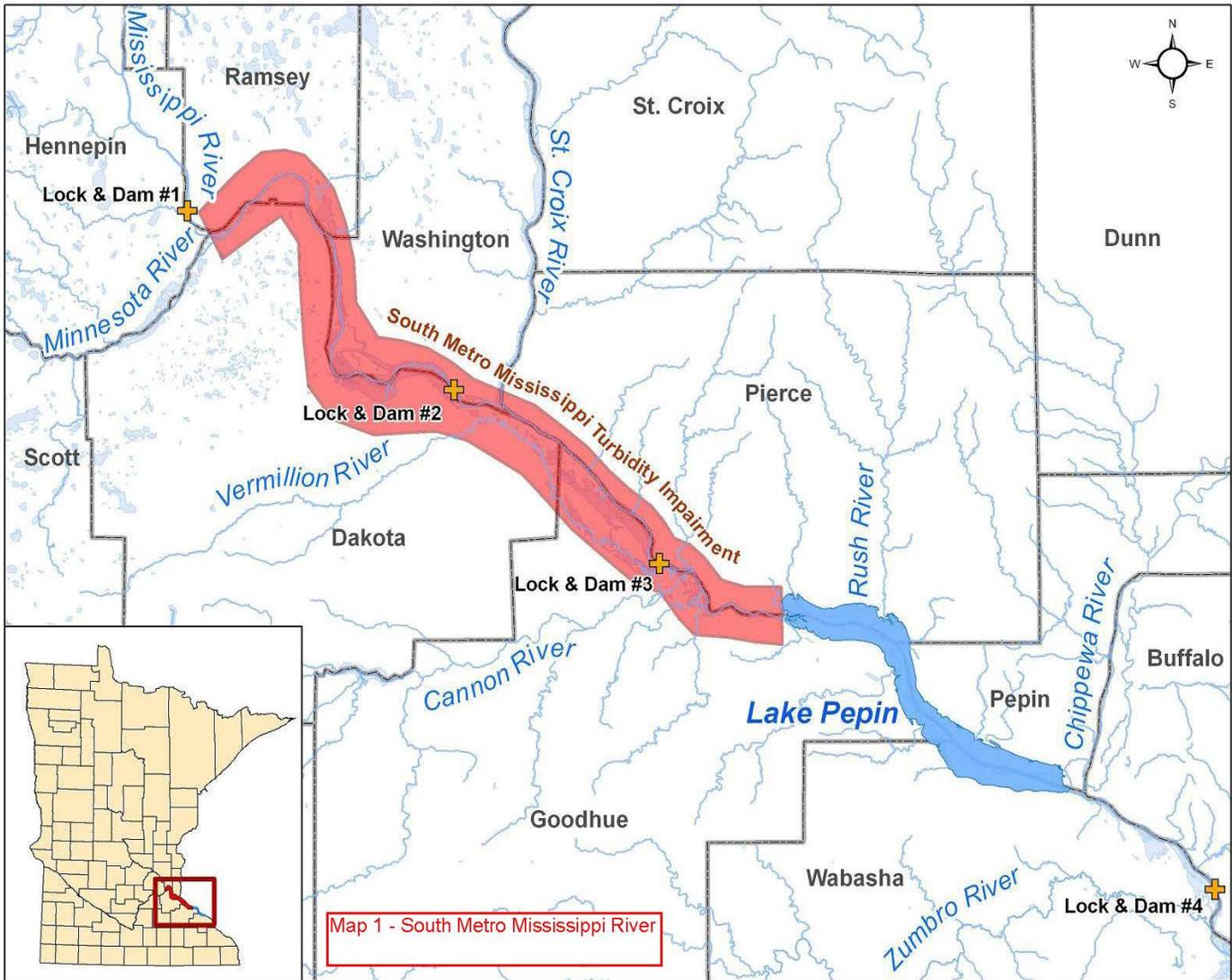
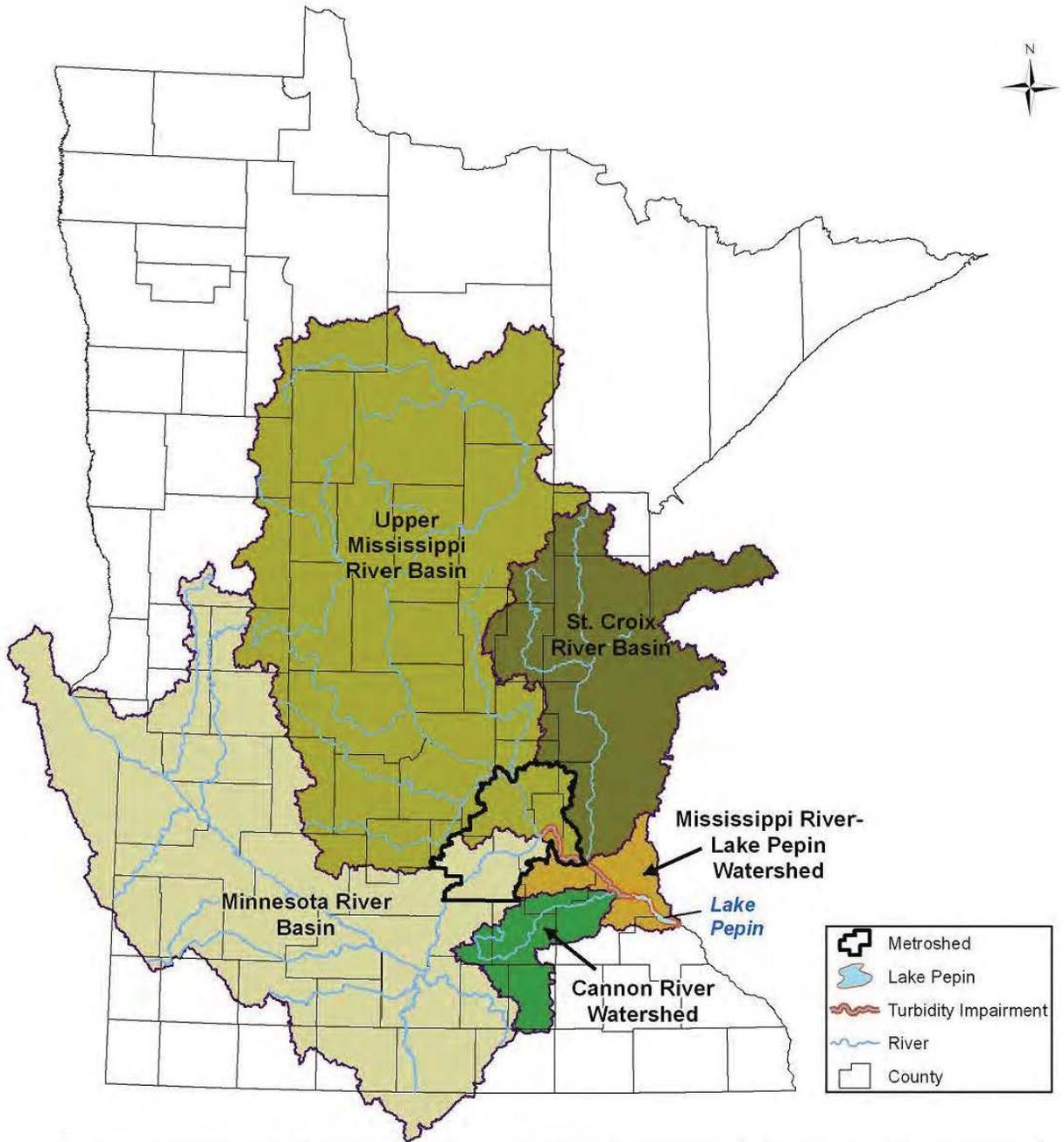


Figure 5: Major River Basins of the South Metro Mississippi Watershed



South Metro Mississippi River Total Suspended Solids Total Maximum Daily Load



Minnesota Pollution Control Agency

Draft—August 29, 2014

Figure 5: Major River Basins of the South Metro Mississippi Watershed

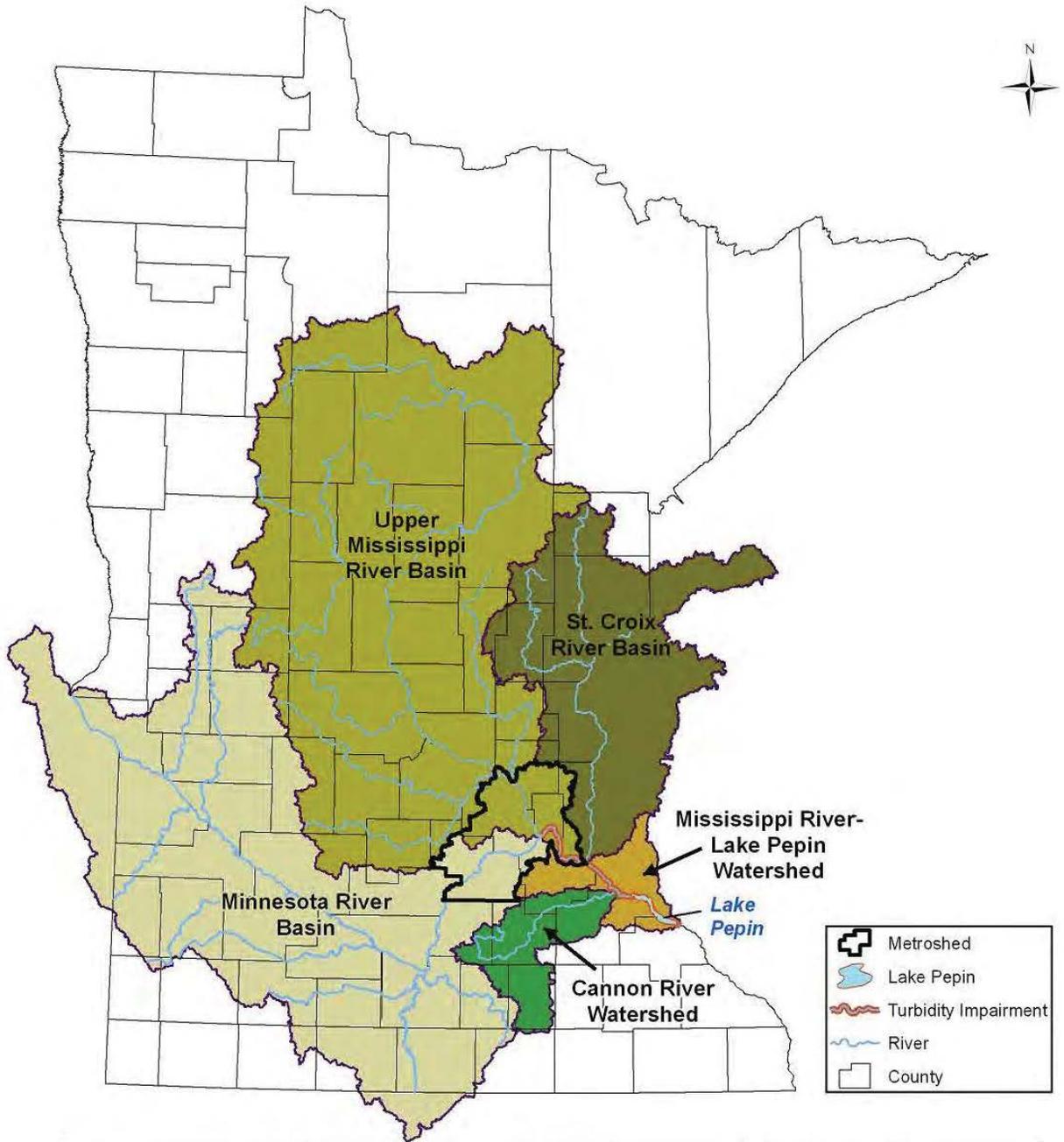
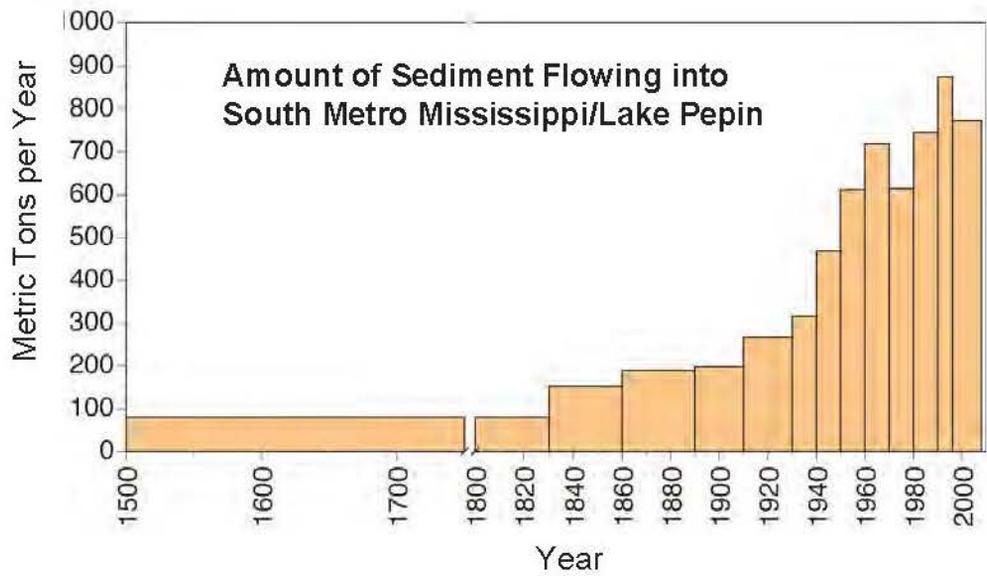
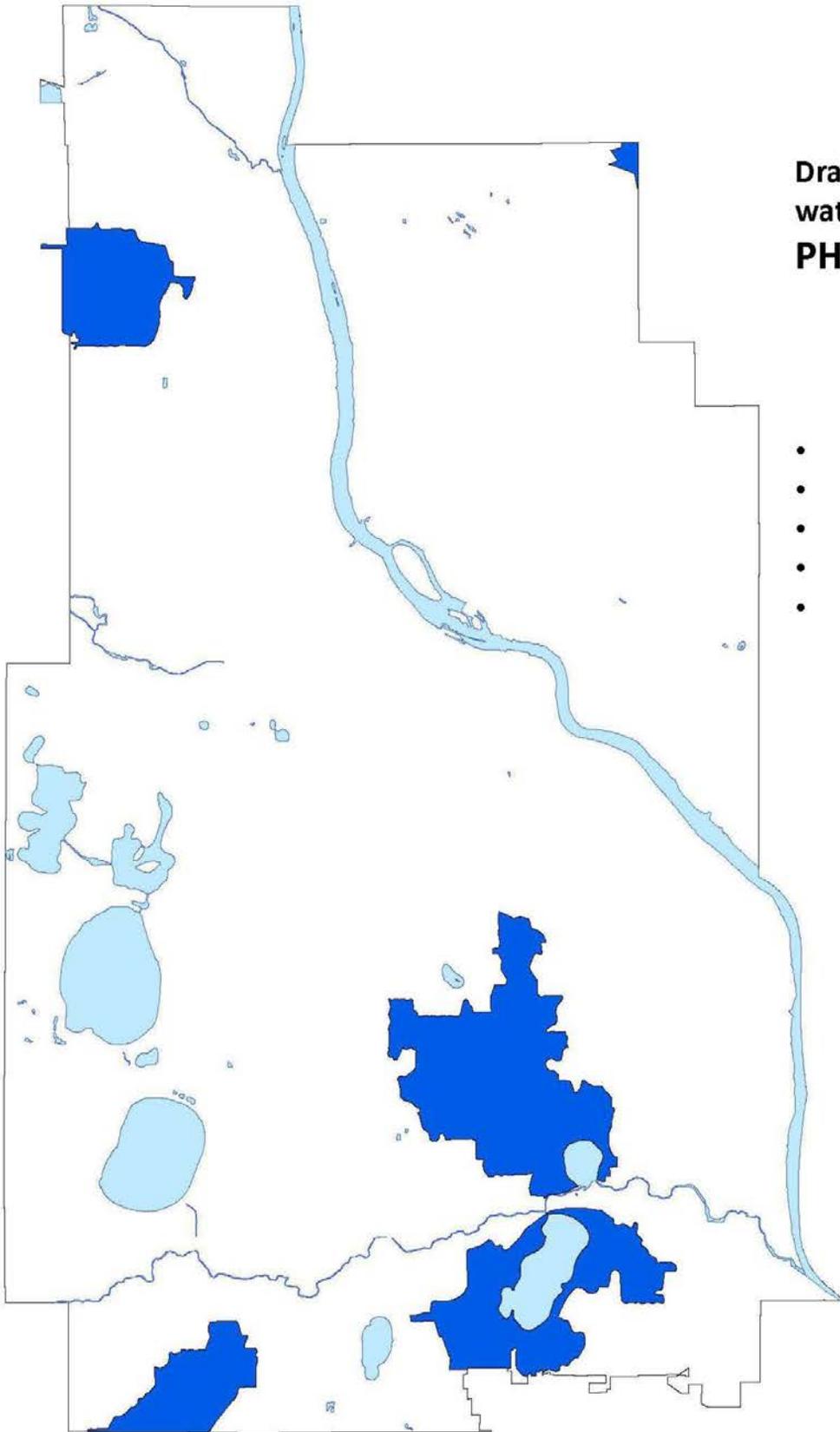


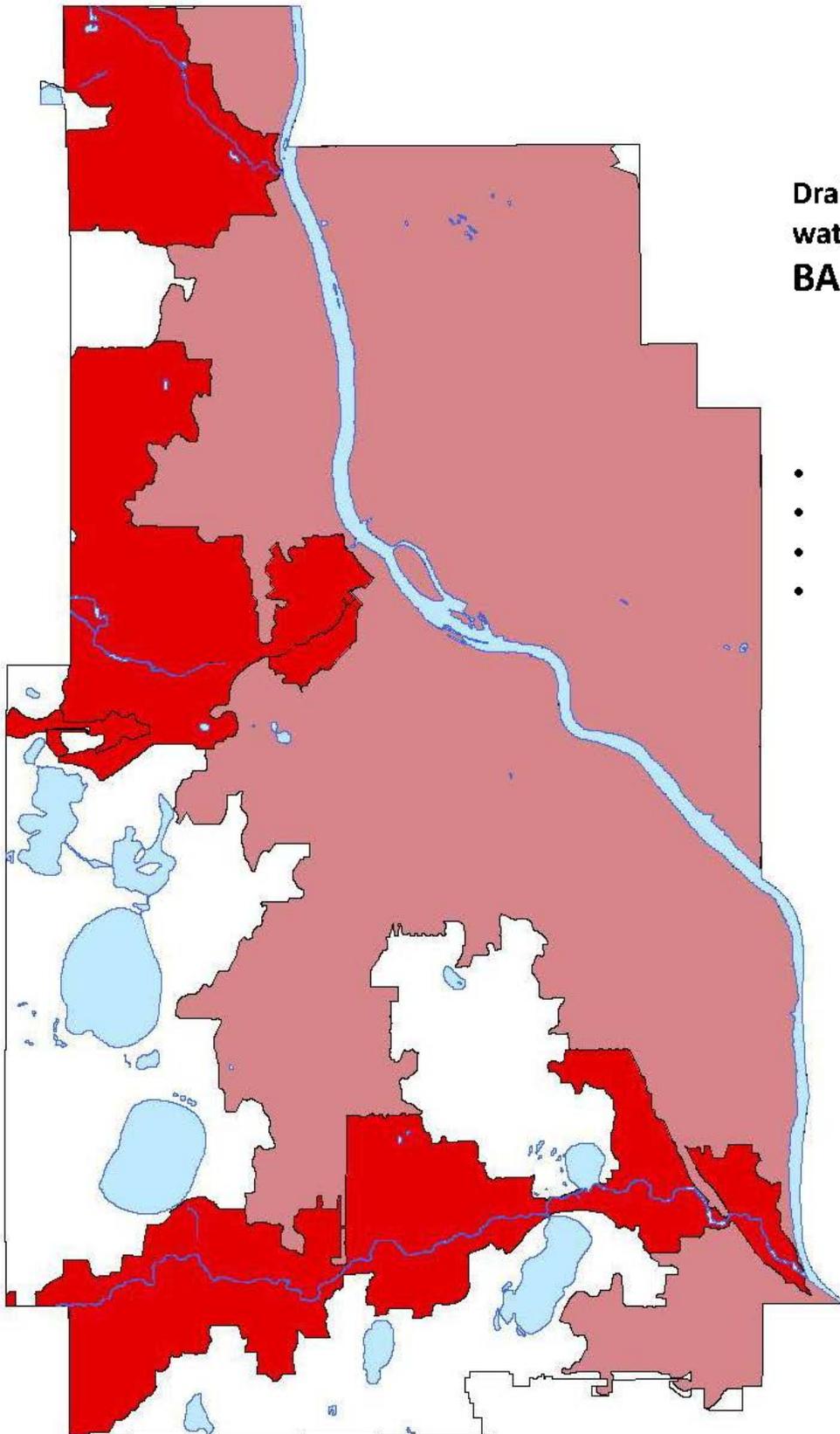
Figure 2: Amount of Sediment Flowing into South Metro Mississippi/Lake Pepin





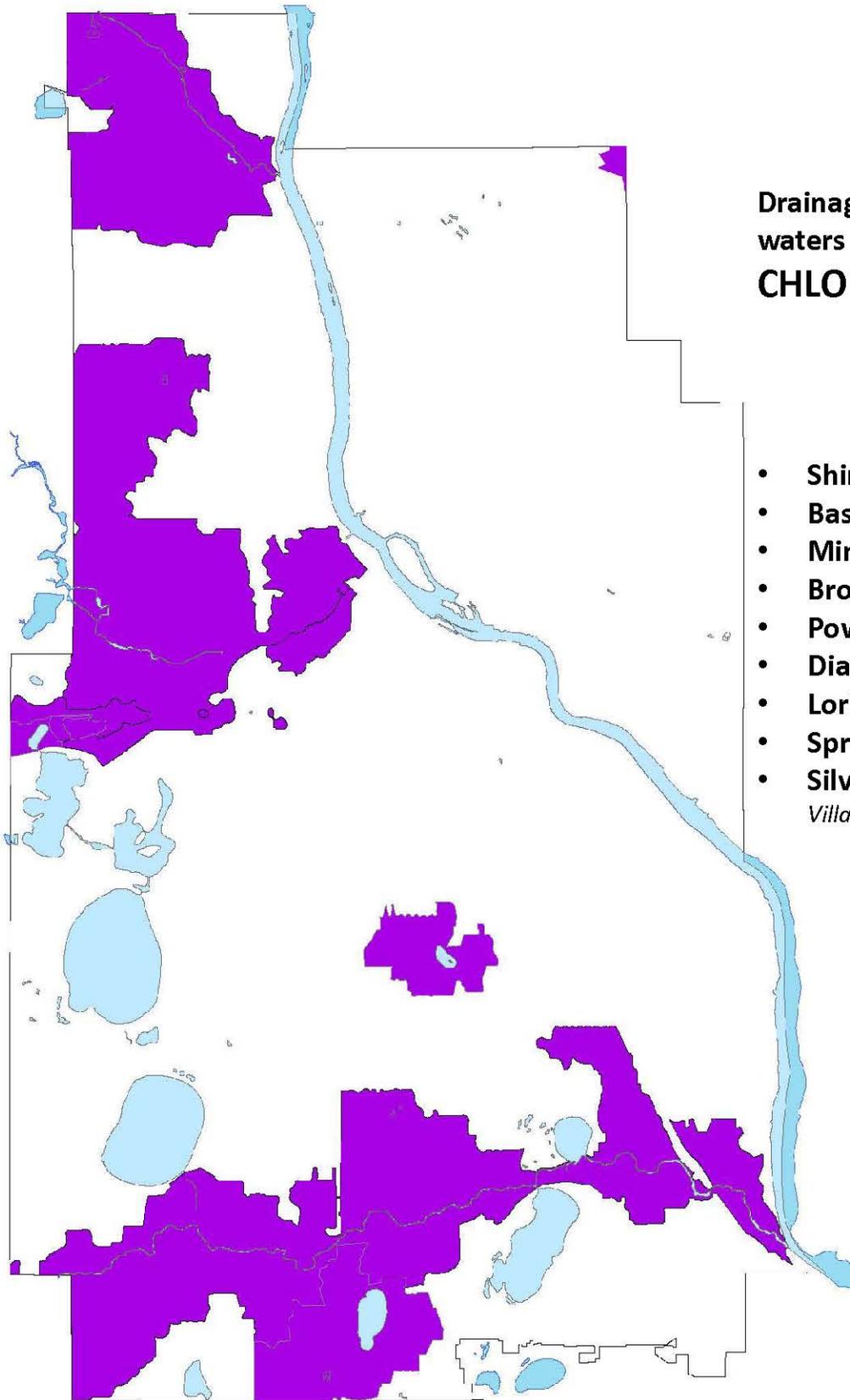
**Drainage areas to receiving
waters impaired for . . .
PHOSPHORUS**

- **Lake Nokomis**
- **Lake Hiawatha**
- **Grass Lake**
- **Crystal Lake** (*Robbinsdale*)
- **Silver Lake** (*St. Anthony Village and Columbia Heights*)



**Drainage areas to receiving
waters impaired for . . .
BACTERIA**

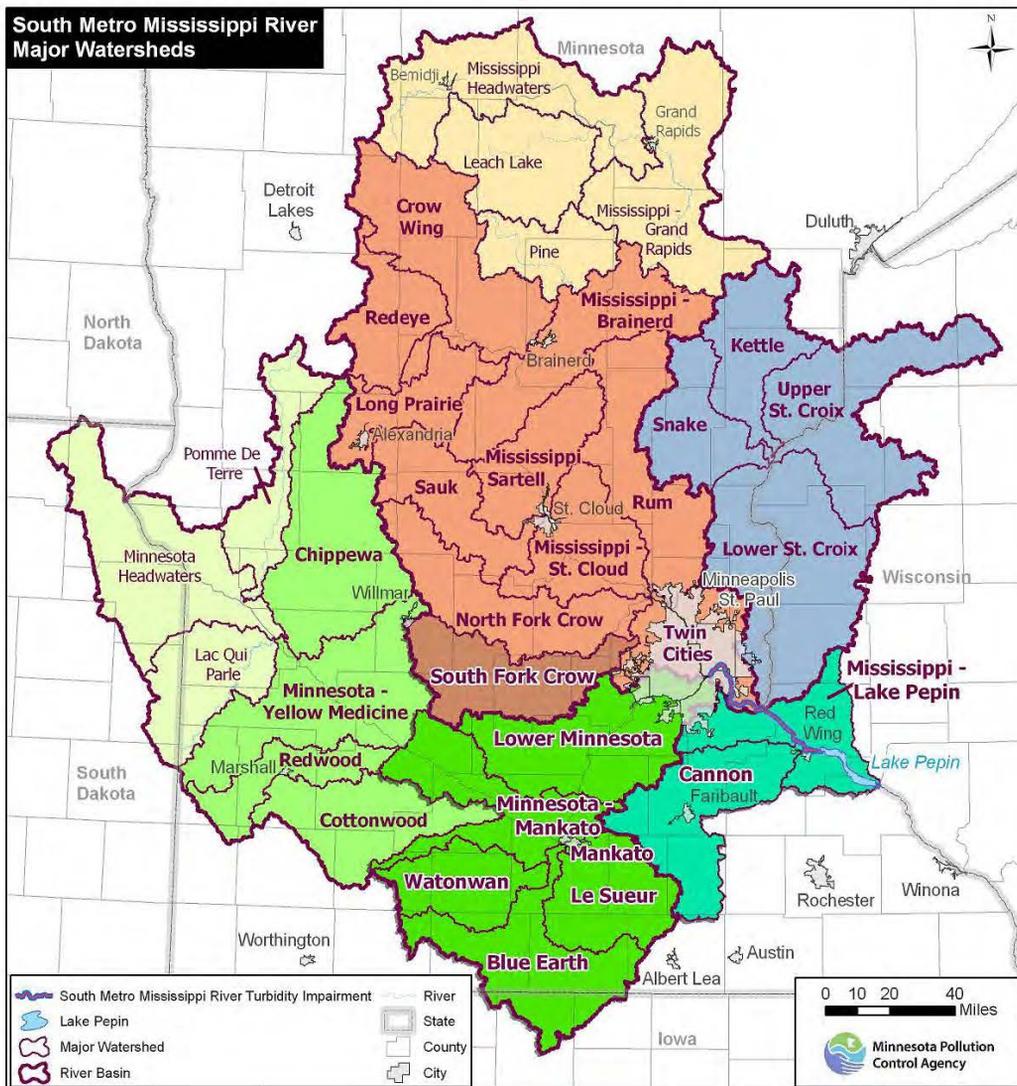
- **Shingle Creek**
- **Bassett Creek**
- **Minnehaha Creek**
- **Mississippi River**



**Drainage areas to receiving waters impaired for . . .
CHLORIDE**

- **Shingle Creek**
- **Bassett Creek**
- **Minnehaha Creek**
- **Brownie Lake**
- **Powderhorn Lake**
- **Diamond Lake**
- **Loring Pond**
- **Spring Lake**
- **Silver Lake** (*St. Anthony Village and Columbia Heights*)

Figure 24: South Metro Mississippi Major Watersheds



This map represents the major watershed scale of the South Metro Mississippi River TSS TMDL. (MPCA graphic) For purposes of South Metro Mississippi TMDL, major watersheds of concern are those listed in Table 10, below. Each watershed is scheduled to be addressed through a cyclical sequence of monitoring, assessment and implementation planning that has been established for Minnesota’s 81 major watersheds. The sequence shown here is in draft form, subject to adjustments.