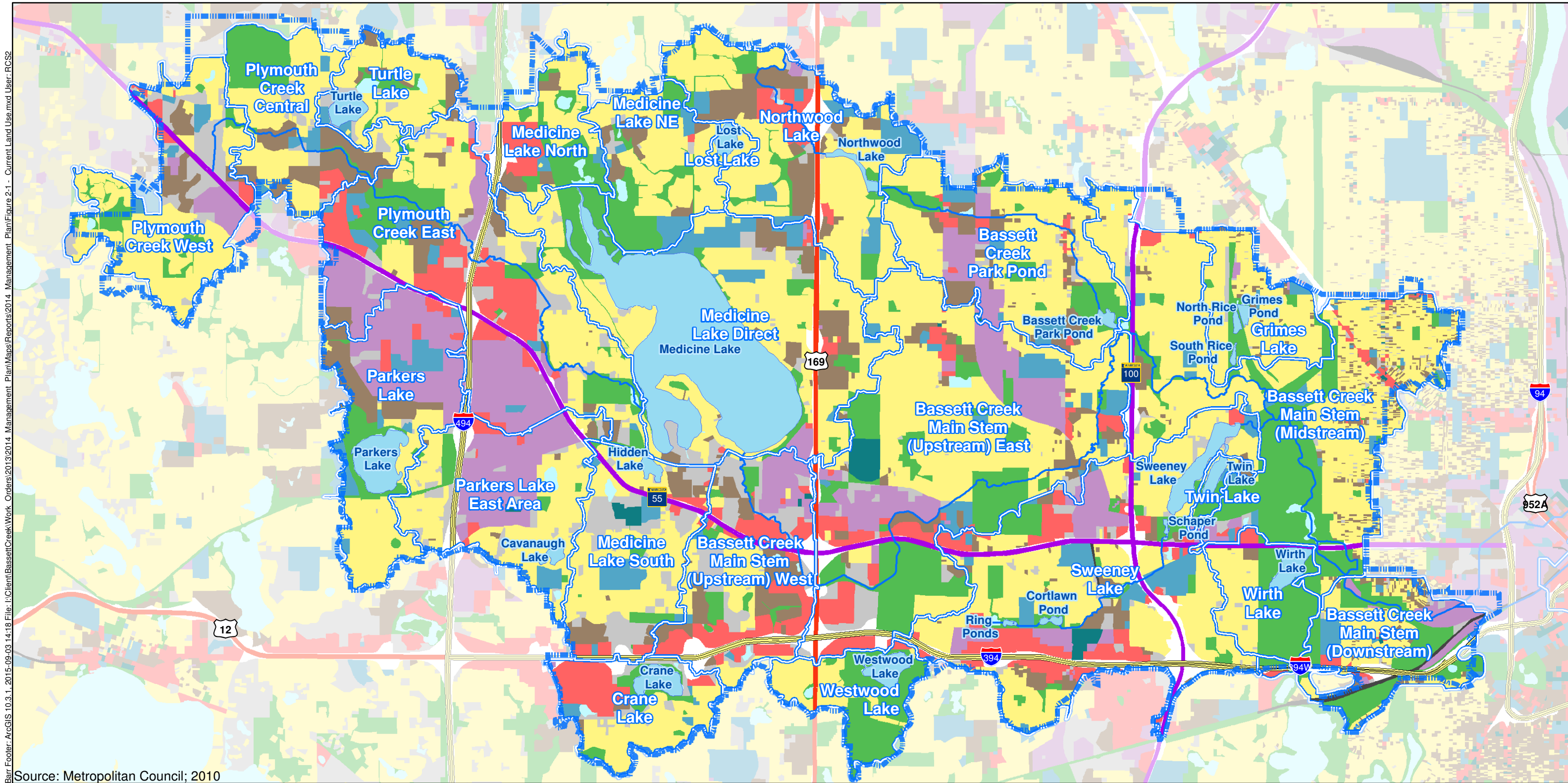


Bar Footer: ArcGIS 10.3.1, 2015-09-03 14:18 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Figure 2-1 - Current Land Use.mxd User: RC52



- | | | |
|-------------------------------|--|--------------------------------|
| BCWMC Jurisdictional Boundary | Metropolitan Council 2010 Generalized Landuse | Mixed Use |
| Major Subwatersheds | Agricultural | Park, Recreational or Preserve |
| Creeks | Single Family Residential | Rights-of-Way (i.e., Roads) |
| | Multifamily Residential | Railway (inc. LRT) |
| | Commercial | Vacant or Unknown |
| | Industrial | Water |
| | Institutional | |

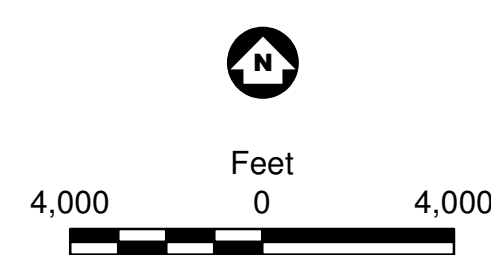
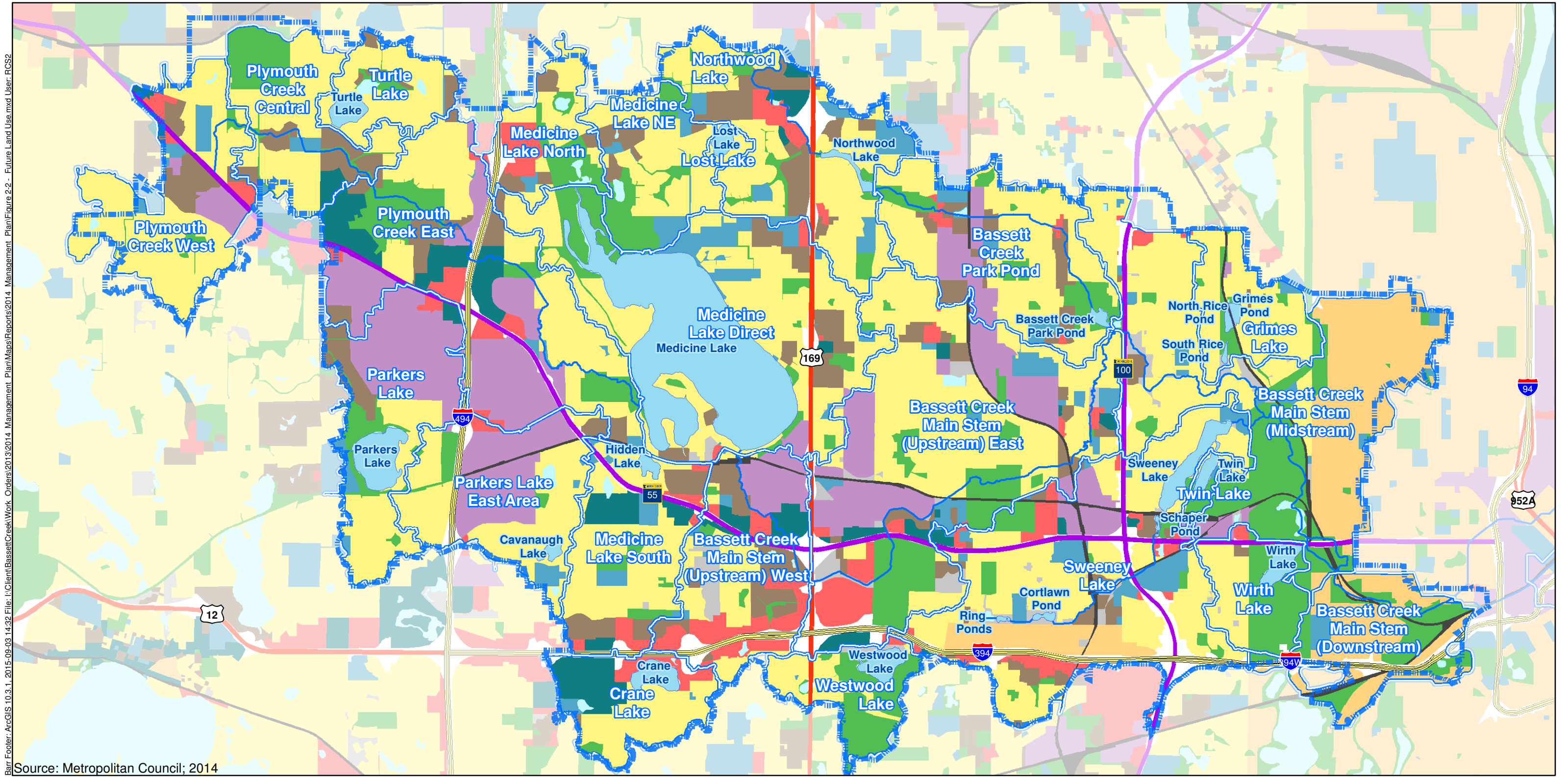


Figure 2-1
2010 LAND USE
Bassett Creek Watershed
Management Commission
2015 Management Plan



**Bassett Creek Watershed
Management Commission**

Bar Footer: ArcGIS 10.3.1, 2015-09-03 14:32 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Map\PlanFigure 2-2 - Future Land Use.mxd User: RCS2



Source: Metropolitan Council; 2014

- | | | |
|-------------------------------|---|-----------------------------|
| BCWMC Jurisdictional Boundary | Metropolitan Council - Planned Land Use | Institutional |
| Major Subwatersheds | Single Family Residential | Mixed Use |
| Creeks | Agricultural | Park and Recreation |
| | Urban Residential | Rights-of-Way (i.e., Roads) |
| | Multifamily Residential | Railway (inc. LRT) |
| | Commercial | Vacant or Unknown |
| | Industrial | Open Water |

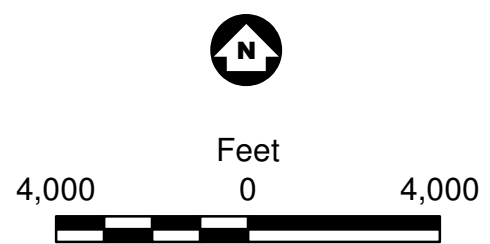


Figure 2-2

2030 LAND USE
Bassett Creek Watershed
Management Commission
2015 Management Plan

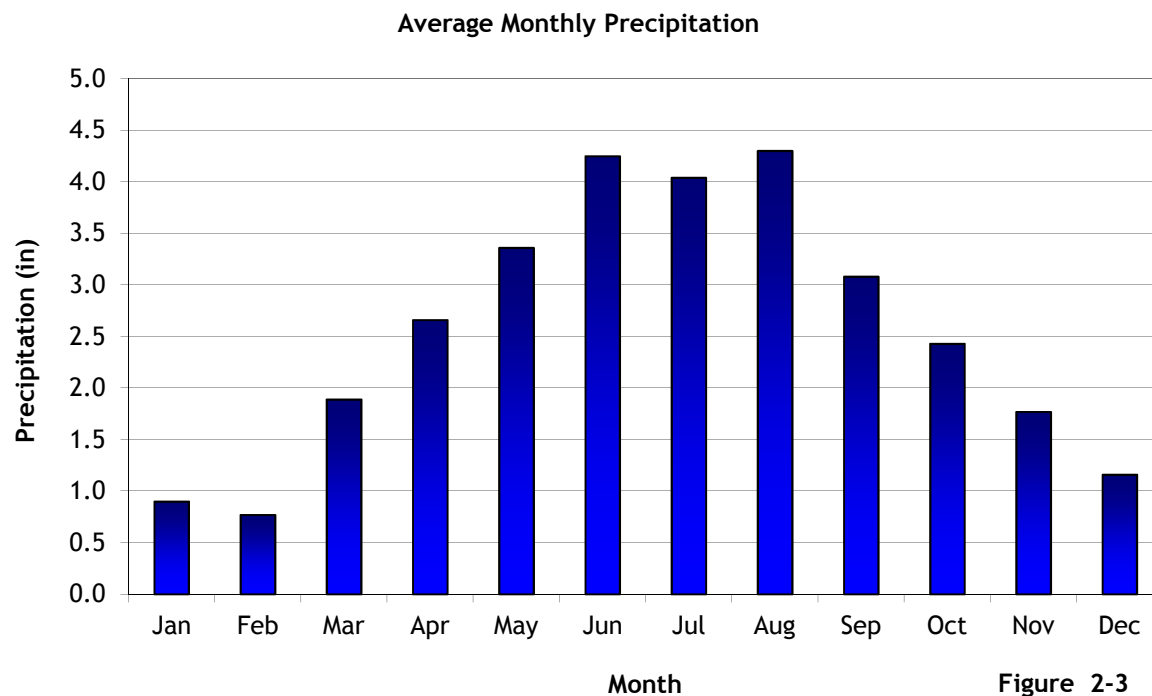
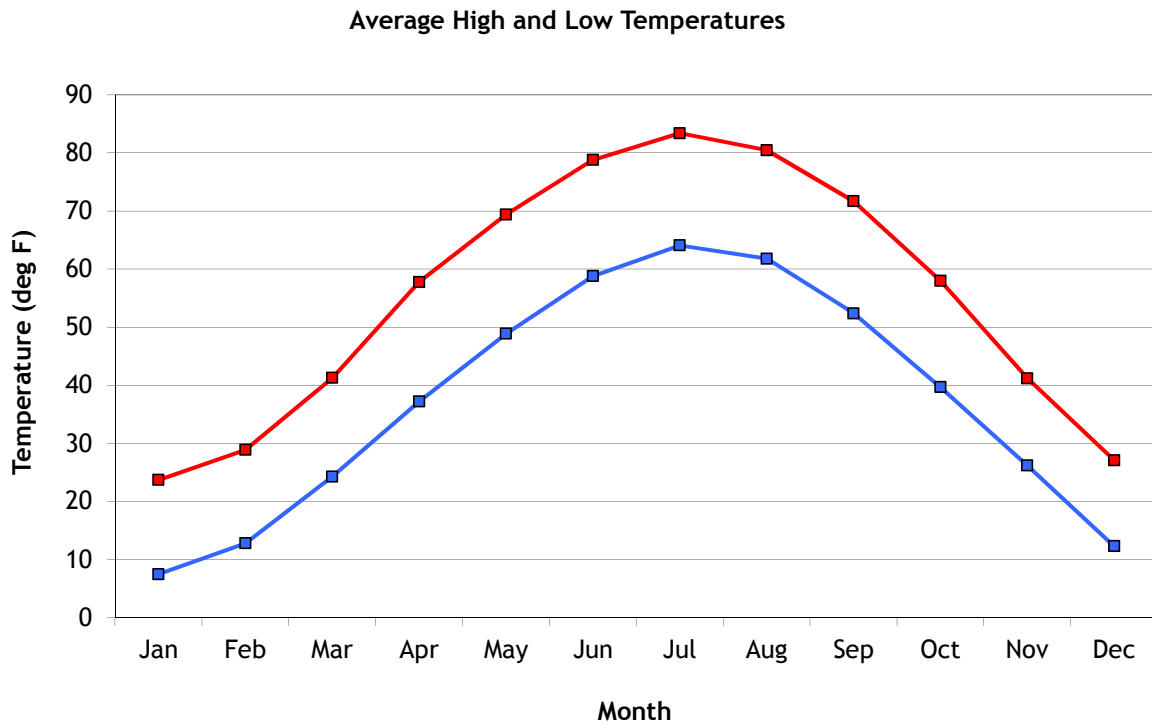
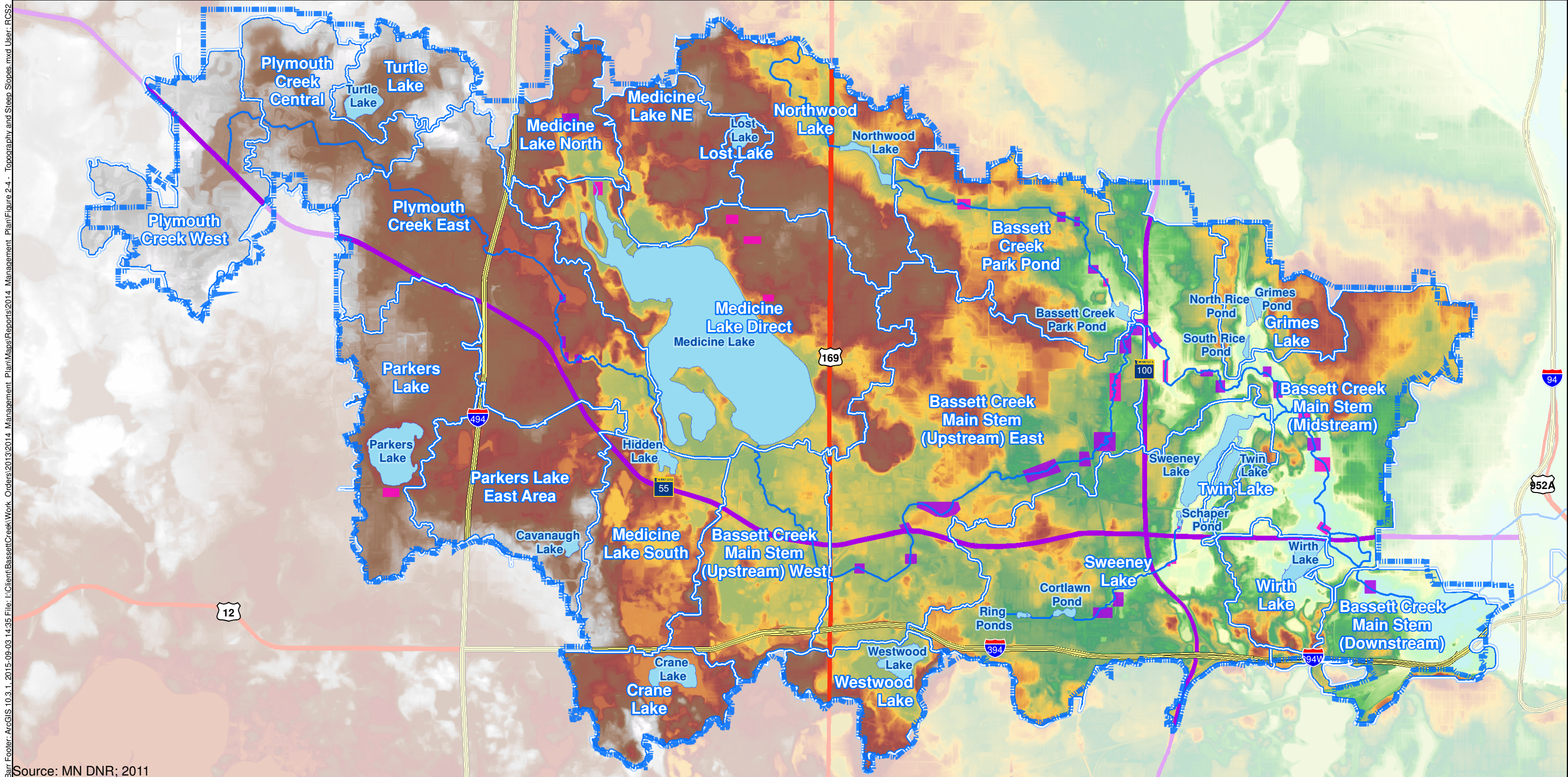


Figure 2-3
Average Monthly High & Low
Temperatures and Precipitation
for Minneapolis-St. Paul
International Airport
(1981-2010)

Bar Footer: ArcGIS 10.3.1, 2015-09-03 14:35 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Map\BassettCreek\MapFigure 2-4 - Topography and Steep Slopes.mxd User: RCSR



Source: MN DNR; 2011

- BCWMC Jurisdictional Boundary
 - Major Subwatersheds
 - Creeks
 - Erosion
 - Sedimentation
- MN DNR LiDAR, 2011**
(Feet)
High : 326.101
Low : 243.034

Erosion and sedimentation sites are based on figure 13 of the 2004 plan.

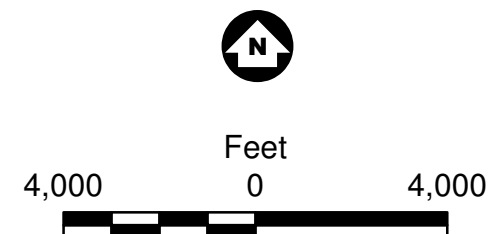
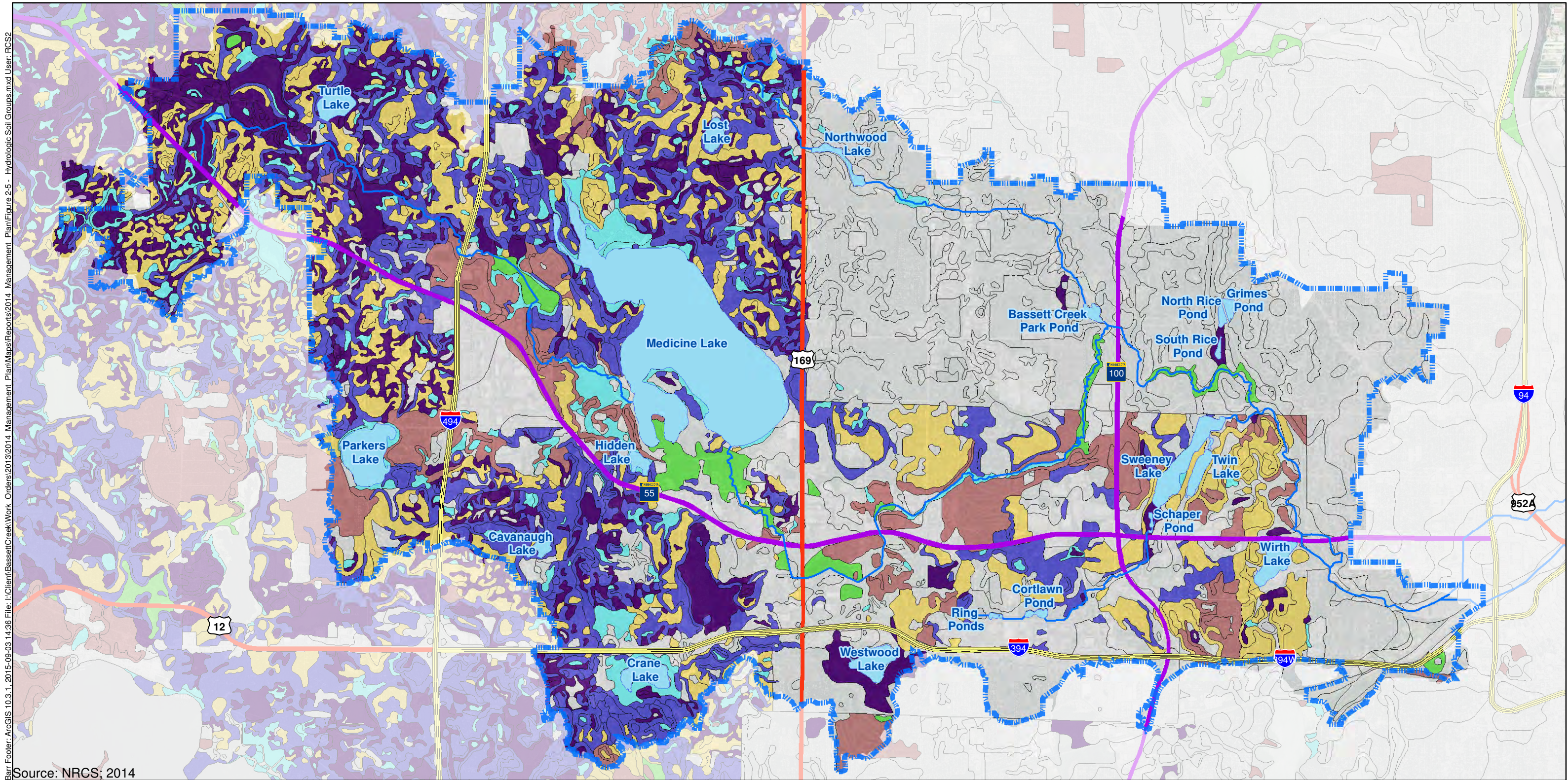


Figure 2-4

TOPOGRAPHY
Bassett Creek Watershed
Management Commission
2015 Management Plan

Bar Footer: ArcGIS 10.3.1, 2015-09-03 14:36 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Maps\Reports\2014 Management Plan\Figure 2-5 - Hydrologic Soil Groups.mxd User: RCSP



Source: NRCS; 2014

- BCWMC Jurisdictional Boundary
- Creeks

Hydrologic Soil Groups

- A
 - A/D
 - B
 - B/D
 - C
 - C/D
 - Not rated or not available
- High Permeability
- Low Permeability

See section 2.4.1 of the plan for more information on hydrologic soil groups.



Figure 2-5

HYDROLOGIC SOIL GROUPS
Bassett Creek Watershed
Management Commission
2015 Management Plan

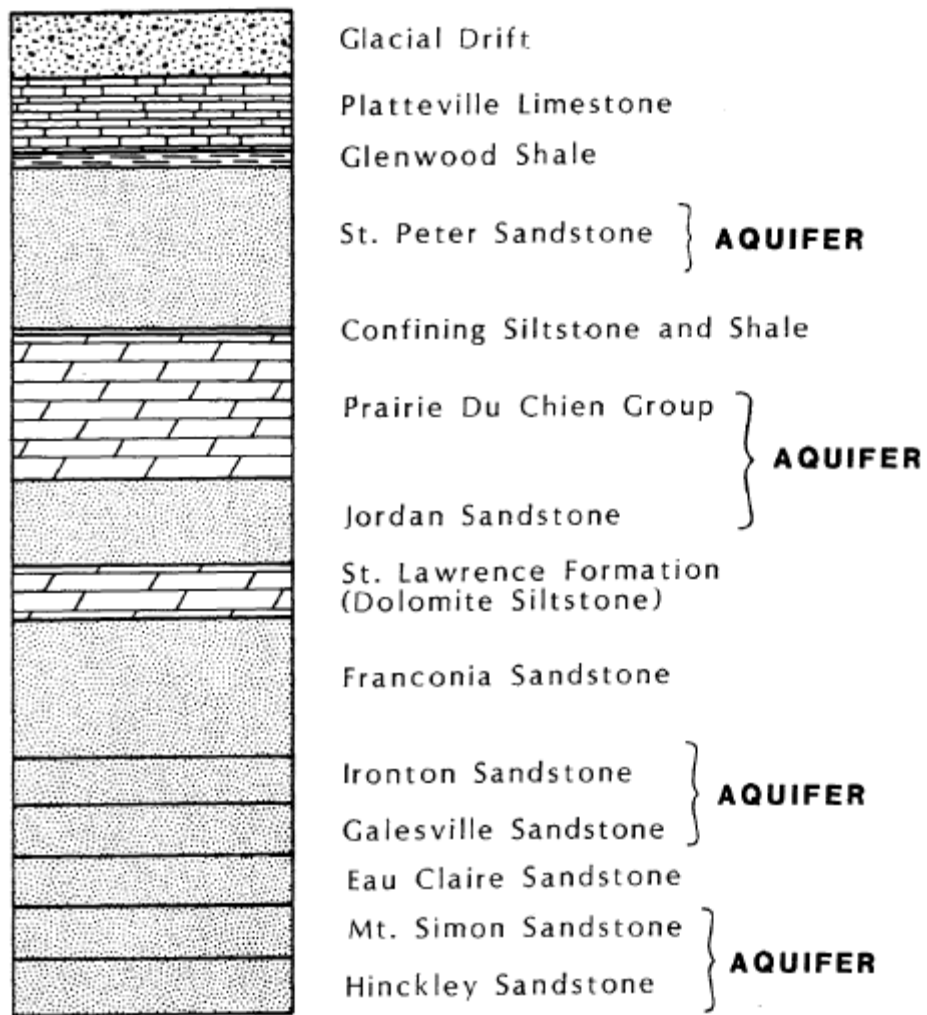
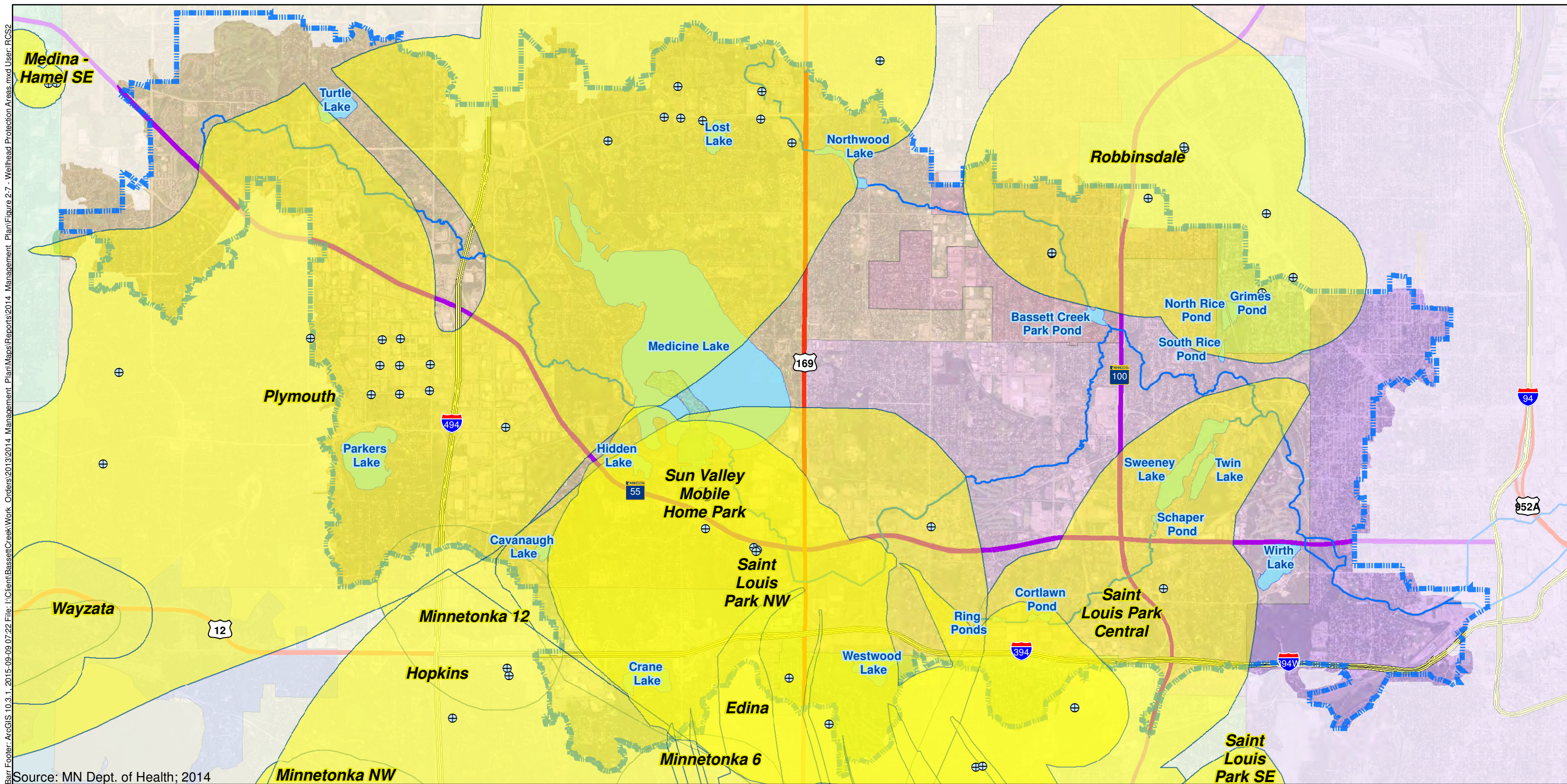


Figure 2-6
Generalized Geologic Section

Bar Footer: ArcGIS 10.3.1, 2015-09-09 07:22 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Maps\Reports\2014 Management Plan\Figure 2-7 - Wellhead Protection Areas.mxd User: RCS2



Source: MN Dept. of Health; 2014

- BCWMC Jurisdictional Boundary
- Creeks
- Wellhead Protection Area (WHPA)
- Municipal Wells



Feet
4,000 0 4,000

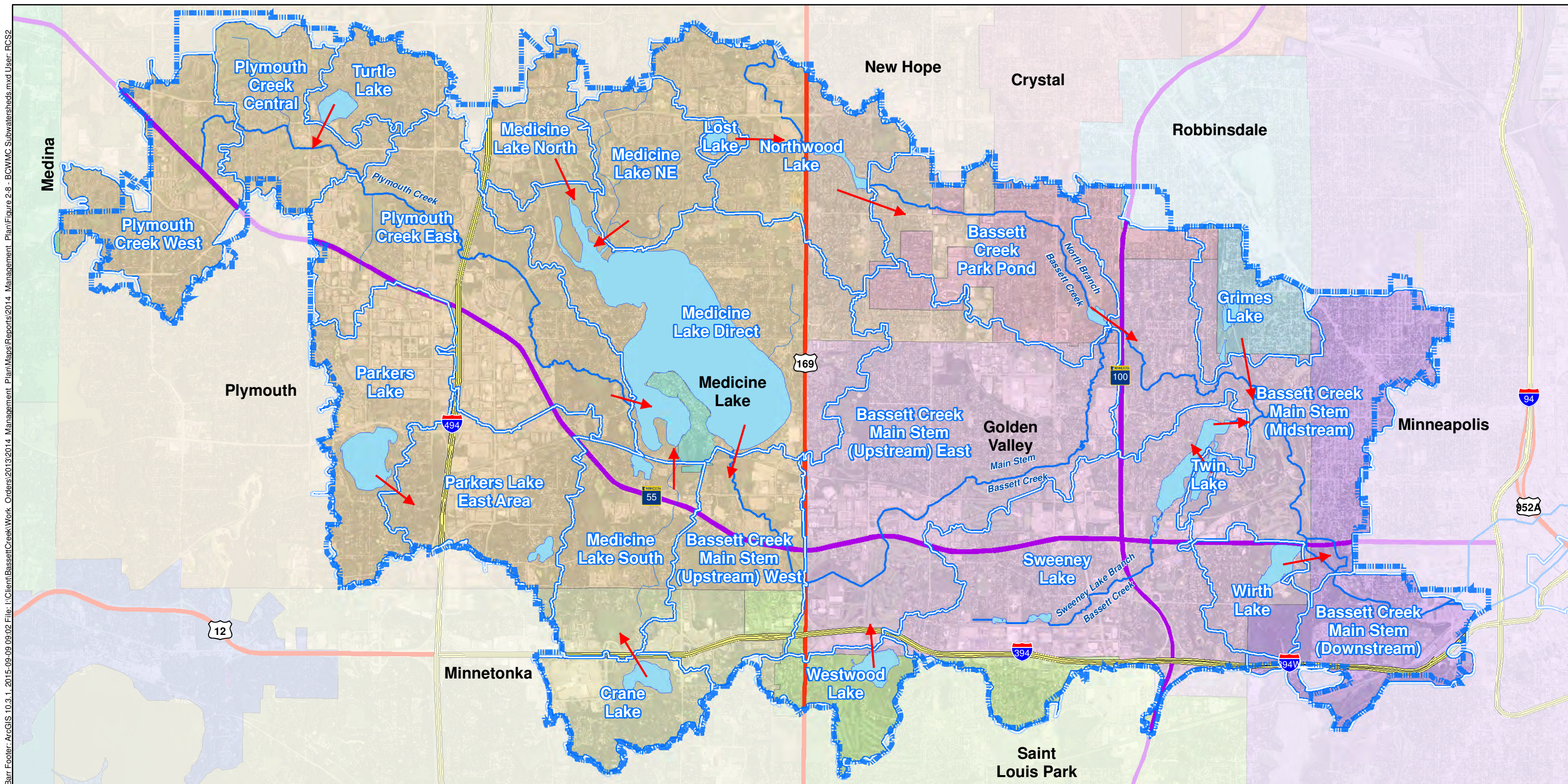
Figure 2-7

WELLHEAD PROTECTION AREAS
Bassett Creek Watershed
Management Commission
2015 Management Plan



**Bassett Creek Watershed
Management Commission**

Bar Footer: ArcGIS 10.3.1, 2015-09-09 09:02 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Maps\Reports\2014 Management Plan\Figure 2-8 - BCWMC Subwatersheds.mxd User: RCS2



- BCWMC Jurisdictional Boundary
- Major Subwatersheds
- Lakes and Ponds
- BCWMC Priority Streams
- Other Streams
- Flow Directions



Figure 2-8

BCWMC MAJOR SUBWATERSHEDS
AND DRAINAGE PATTERNS
Bassett Creek Watershed
Management Commission
2015 Management Plan

Bar Footer: ArcGIS 10.3.1, 2015-09-03 14:39 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Map\PlanFigure 2-9 - Public Waters Inventory.mxd User: RC82

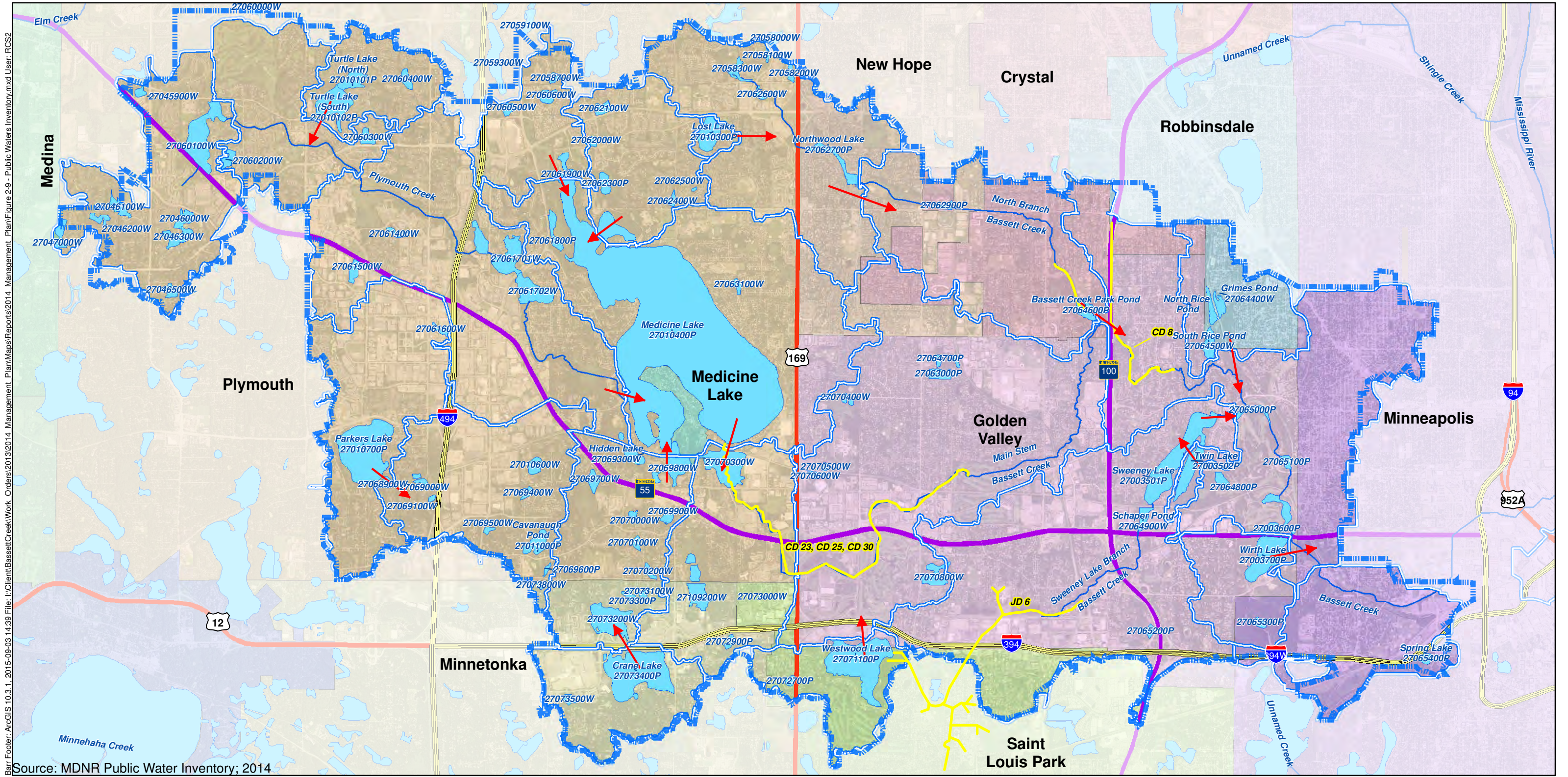
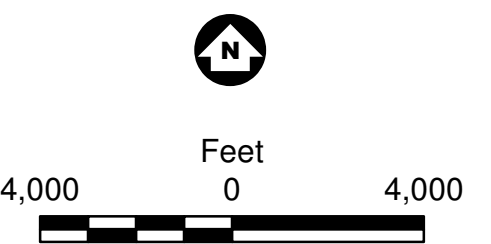


Figure 2-9

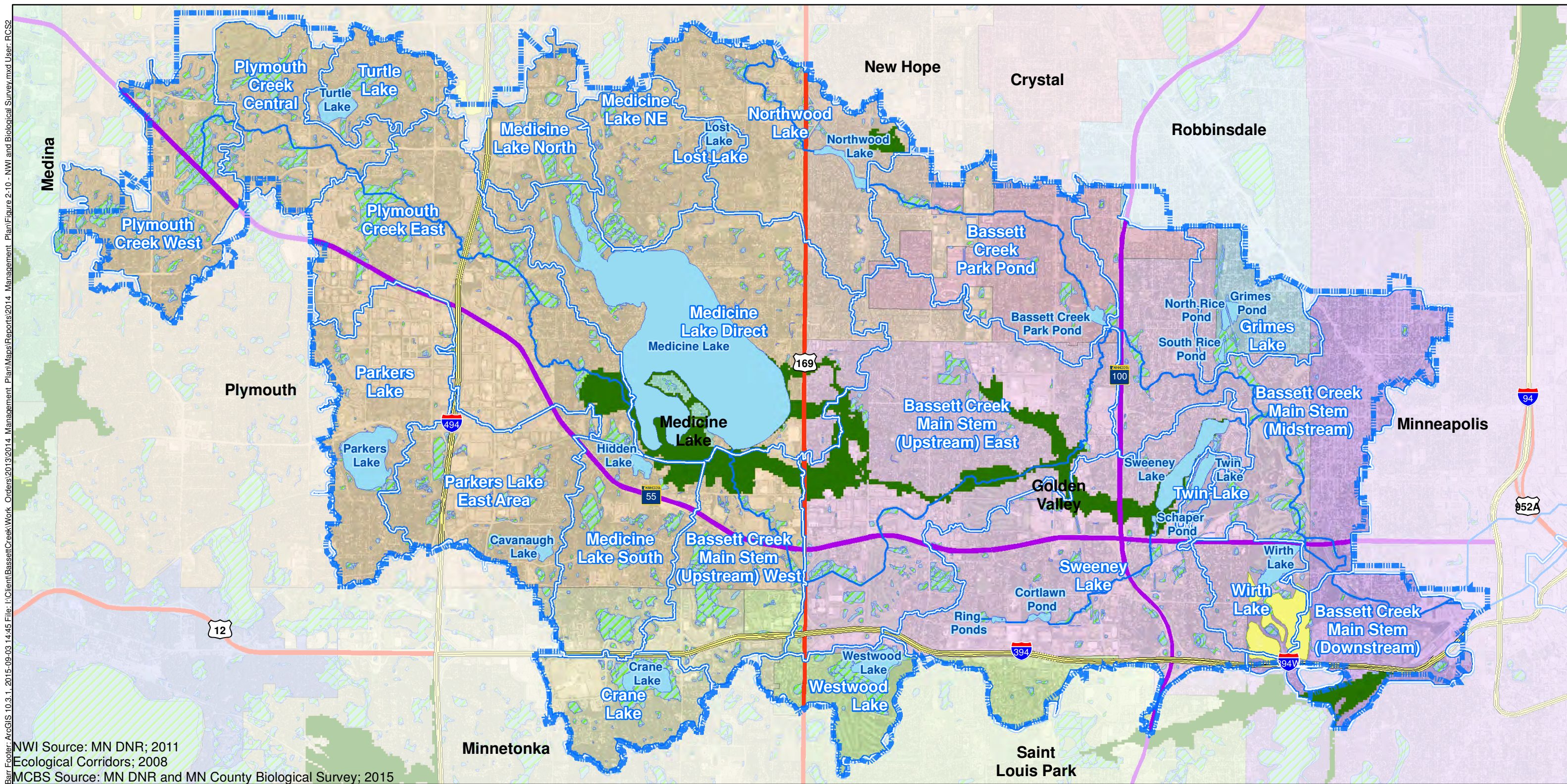
- BCWMC Jurisdictional Boundary
- Major Subwatersheds
- Flow Directions
- Public Water Inventory Basins
- Public Water Inventory Watercourses
- Public Ditches



PUBLIC WATERS INVENTORY
AND PUBLIC DITCHES
Bassett Creek Watershed
Management Commission
2015 Management Plan



Bar Footer: ArcGIS 10.3.1, 2015-09-03 14:45 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\BassettCreek\MapFigure 2-10 - NWI and Biological Survey.mxd User: RC52



NWI Source: MN DNR; 2011
Ecological Corridors; 2008
MCBS Source: MN DNR and MN County Biological Survey; 2015

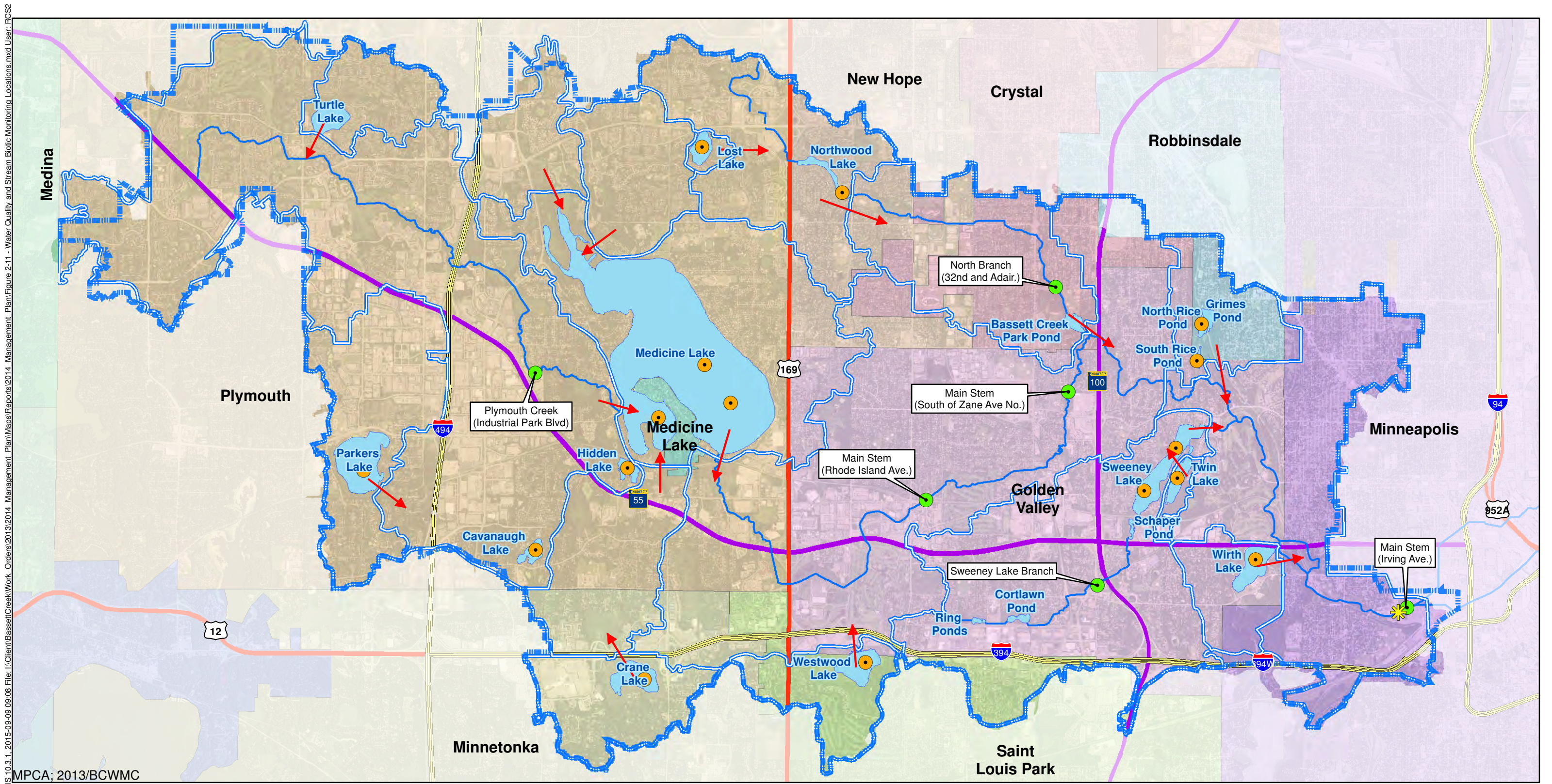
- | | |
|---|--|
| BCWMC Jurisdictional Boundary | Sites of Biodiversity Significance (MCBS) |
| Major Subwatersheds | Outstanding |
| Creeks | High |
| Wetlands (MN DNR NWI East Central Update) | Moderate |
| Ecological Corridors | Below |

See section 2.6.3 and section 2.9 of the plan for more information about the data presented in this figure.

Figure 2-10

NATIONAL WETLAND INVENTORY
AND BIOLOGICAL SURVEY
Bassett Creek Watershed
Management Commission
2015 Management Plan





- MPCA; 2013/BCWMC
- BCWMC Jurisdictional Boundary
 - Major Subwatersheds
 - Flow Directions
 - Creeks
 - Chemical Water Quality Monitoring Station (BCWMC or Citizen Assisted Monitoring Program)
 - Biotic Monitoring Locations (BCWMC)
 - Watershed Outlet Monitoring Program (WOMP) Station

See section 2.7.1 of the plan for more information regarding the monitoring programs and locations illustrated in this figure.

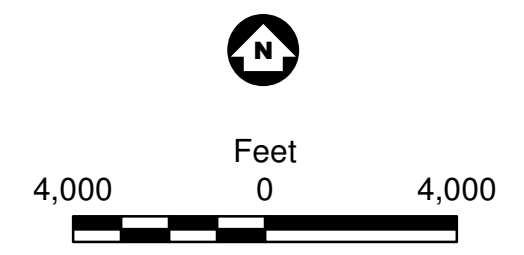


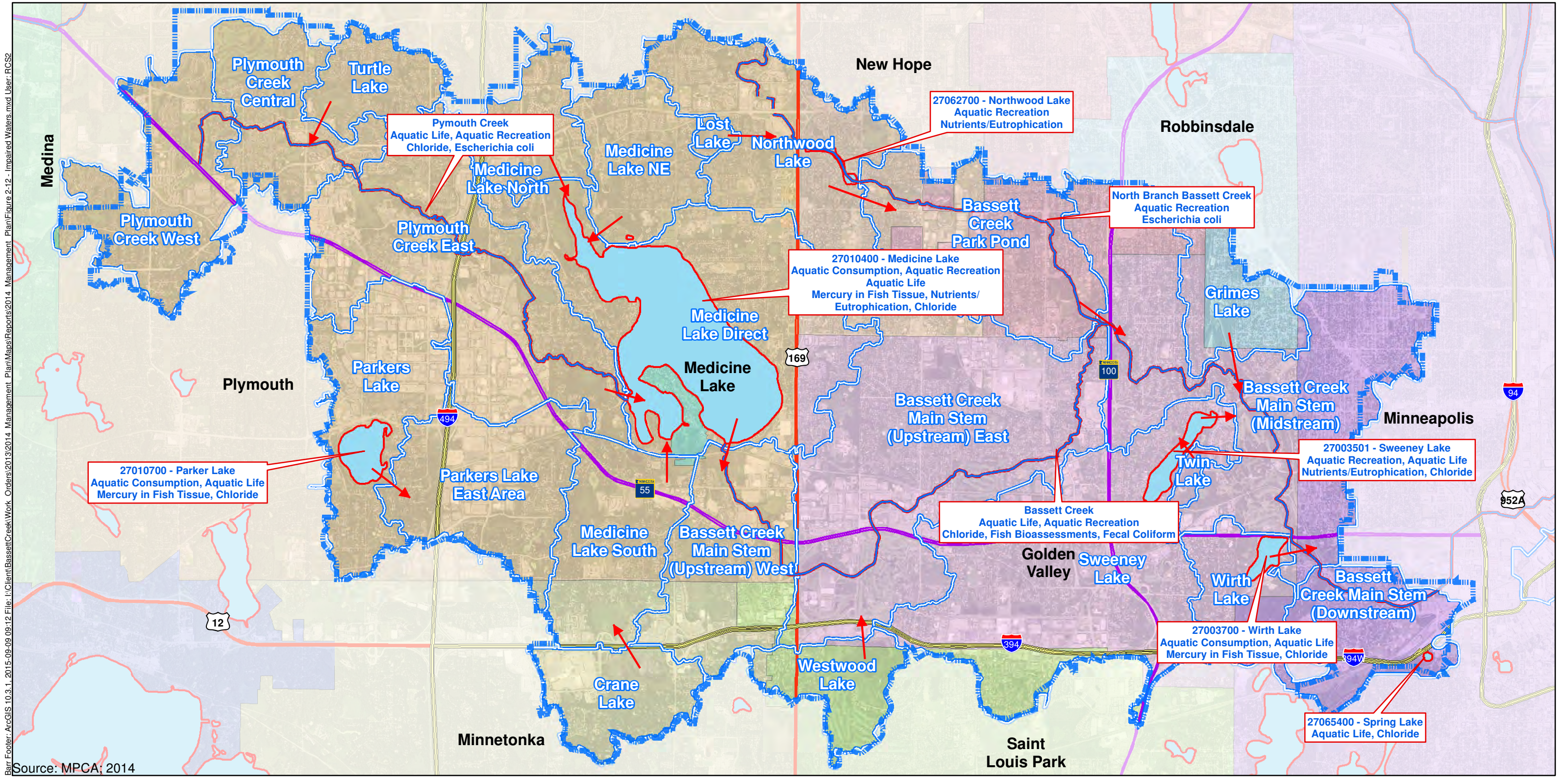
Figure 2-11

WATER QUALITY AND STREAM BIOTIC MONITORING LOCATIONS

Bassett Creek Watershed Management Commission

2015 Management Plan

Bar Footer: ArcGIS 10.3.1, 2015-09-09 09:12 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Maps\Reports\2014 Management Plan\Figure 2-12 - Impaired Waters.mxd User: RCS2



- BCWMC Jurisdictional Boundary
- Major Subwatersheds
- Flow Directions
- Impaired Streams
- Impaired Lakes

North Branch Bassett Creek
Aquatic Recreation
Escherichia coli

← Name/Public Waters ID
← Impaired Uses
← Pollutant/Stressors

Data based on the 2014 MPCA 303(d) Impaired Water List. See section 2.7.2.1 of the plan for more information about impaired waters and the MPCA's 303(d) Impaired Waters List.

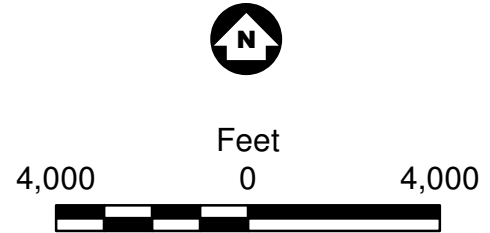
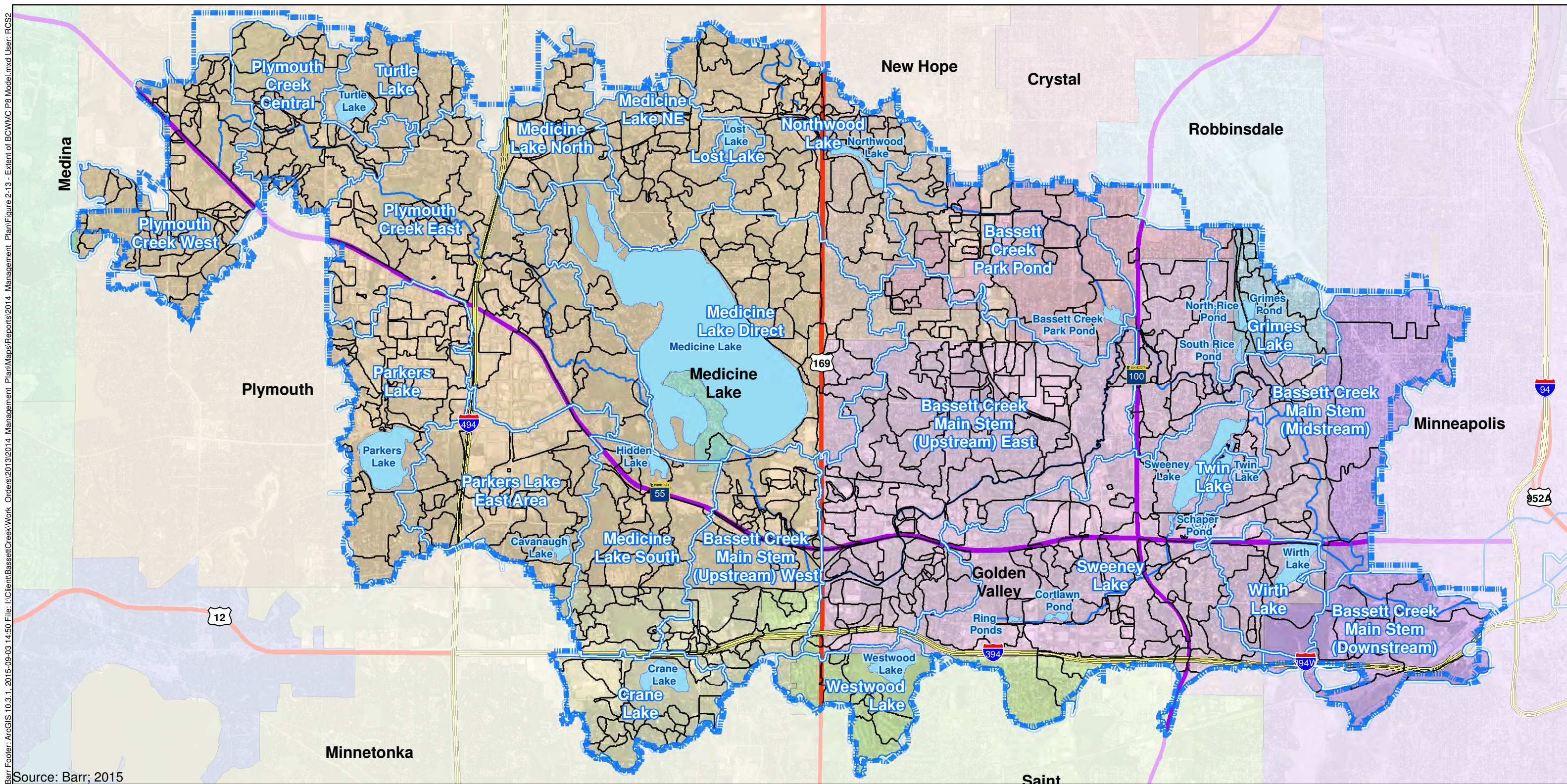


Figure 2-12
MPCA 303(d) IMPAIRED WATERS
Bassett Creek Watershed
Management Commission
2015 Management Plan

Barr Footer: ArcGIS 10.3.1, 2015-09-03 14:50 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Map\BassettCreek\MapFigure 2-13 - Extent of BCWMC P8 Model.mxd User: RCS2



Source: Barr, 2015

- BCWMC Jurisdictional Boundary
- Major Subwatersheds
- Watersheds Used in P8 Model
- Creeks
- Lakes and Ponds

See section 2.7.3.1 for more information about the BCWMC watershed-wide P8 Water Quality Model.



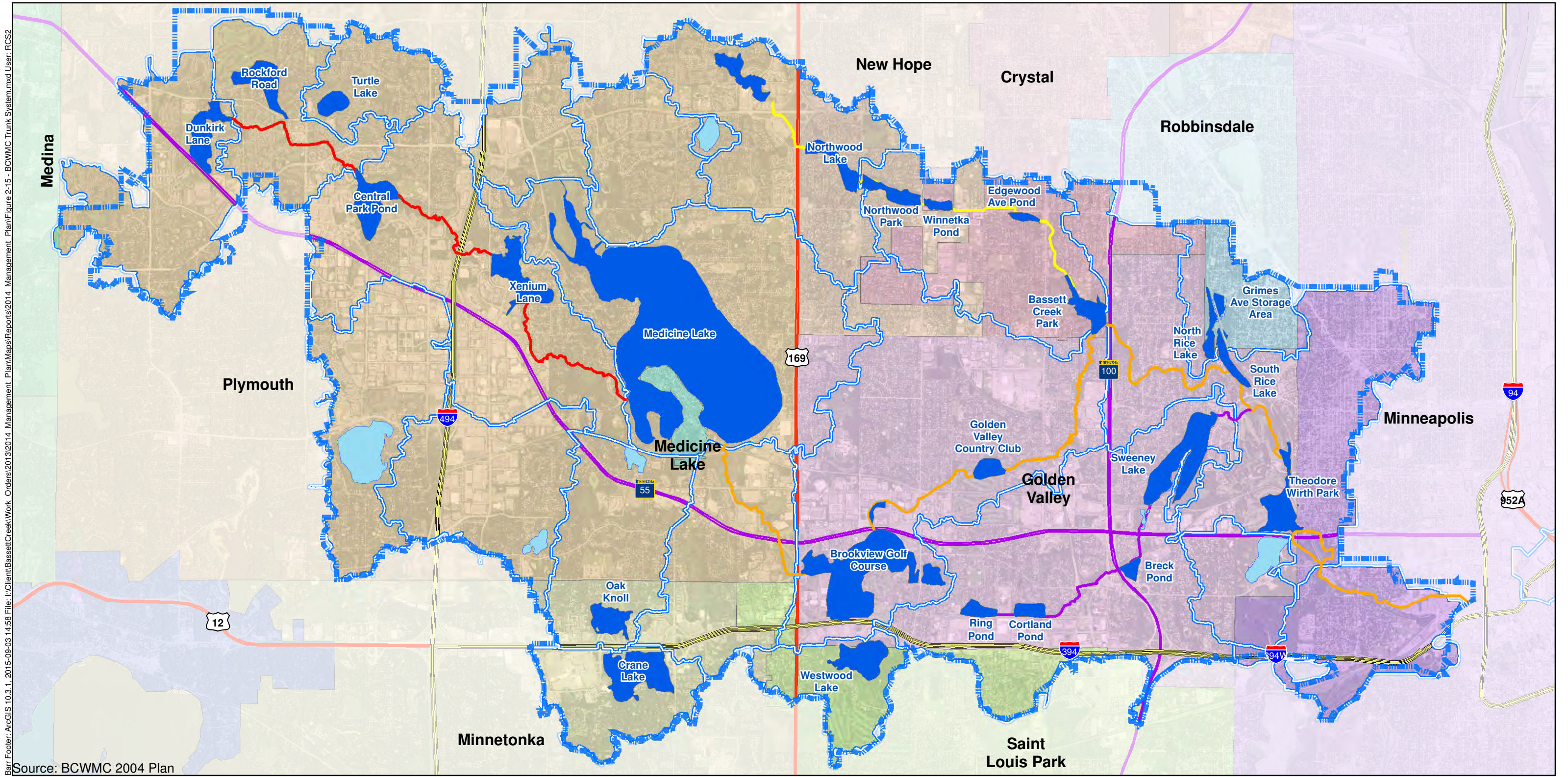
Figure 2-13

WATERSHEDS USED IN
BCWMC P8 MODEL
Bassett Creek Watershed
Management Commission
2015 Management Plan



**Bassett Creek Watershed
Management Commission**

Bar Footer: ArcGIS 10.3.1, 2015-09-03 14:58 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Maps\Reports\2015 Management Plan\Figure 2-15 - BCWMC Trunk System.mxd User: RCS2



Source: BCWMC 2004 Plan

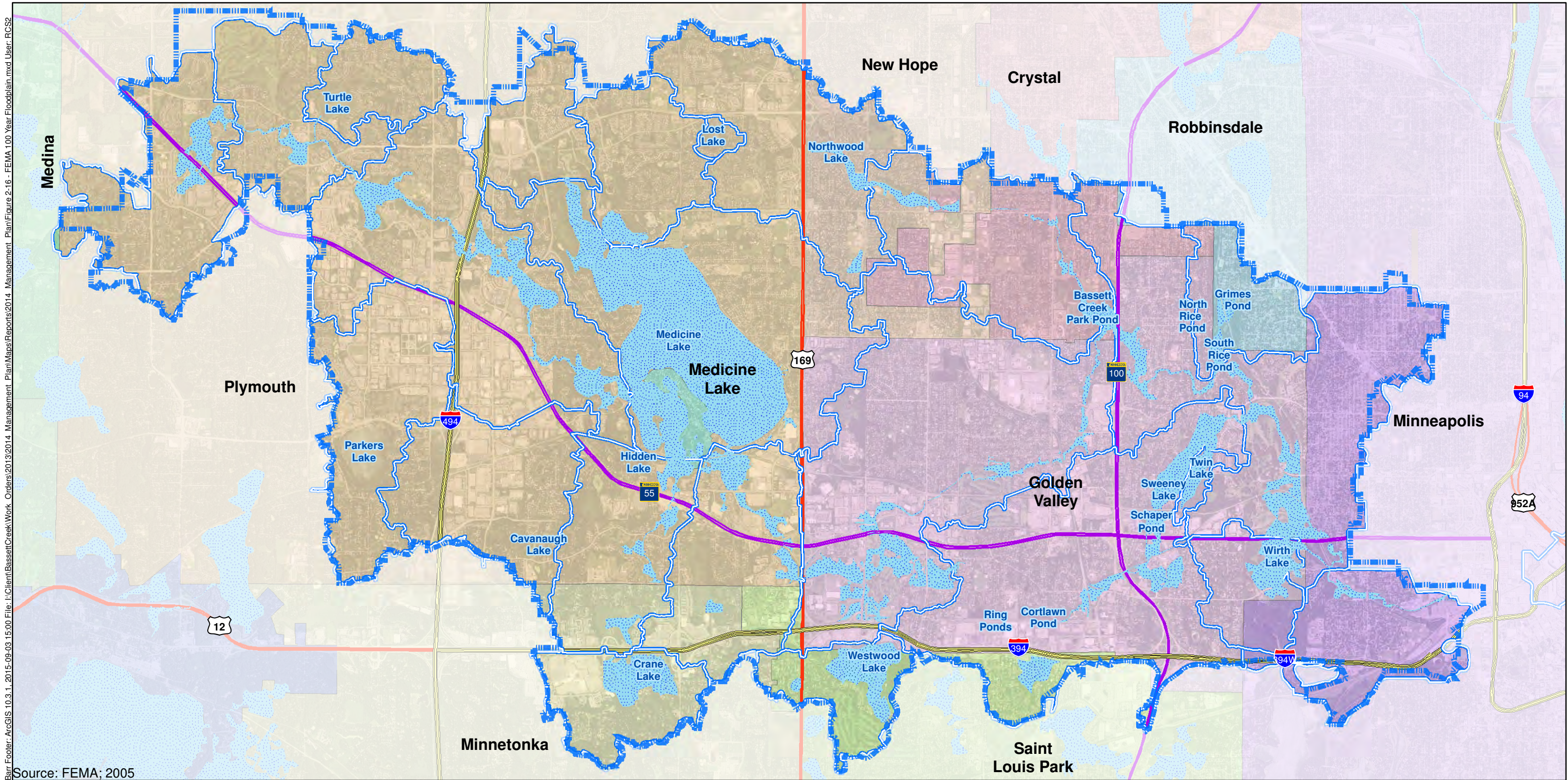
- BCWMC Jurisdictional Boundary
- Major Subwatersheds
- Trunk System Components**
 - Main Stem Bassett Creek
 - North Branch Bassett
 - Plymouth Creek
 - Sweeney Branch Bassett Creek
- Designated Water Quantity and Water Quality Storage Facilities (From Fig. 15 of 2004 Plan)

Figure 2-15

BCWMC TRUNK SYSTEM
Bassett Creek Watershed
Management Commission
2015 Management Plan



Bar Footer: ArcGIS 10.3.1, 2015-09-03 15:00 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Maps\Reports\2014 Management Plan\Figure 2-16 - FEMA 100 Year Floodplain.mxd User: RCS2



Source: FEMA; 2005

- BCWMC Jurisdictional Boundary
- Major Subwatersheds
- FEMA 100 Year Floodplain

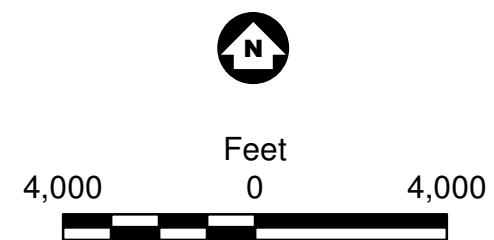


Figure 2-16

FEMA 100-YEAR FLOODPLAIN
Bassett Creek Watershed
Management Commission
2015 Management Plan

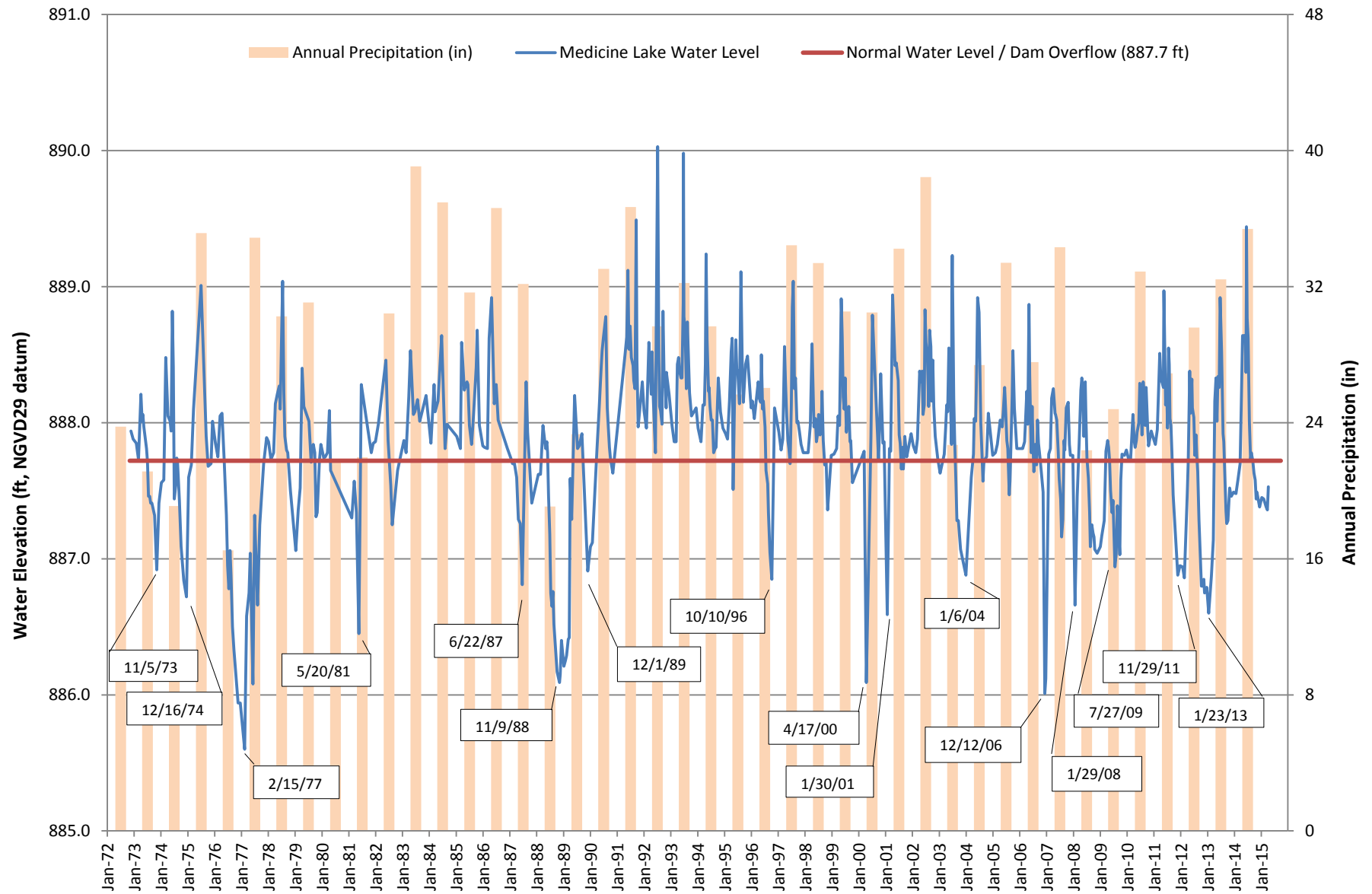
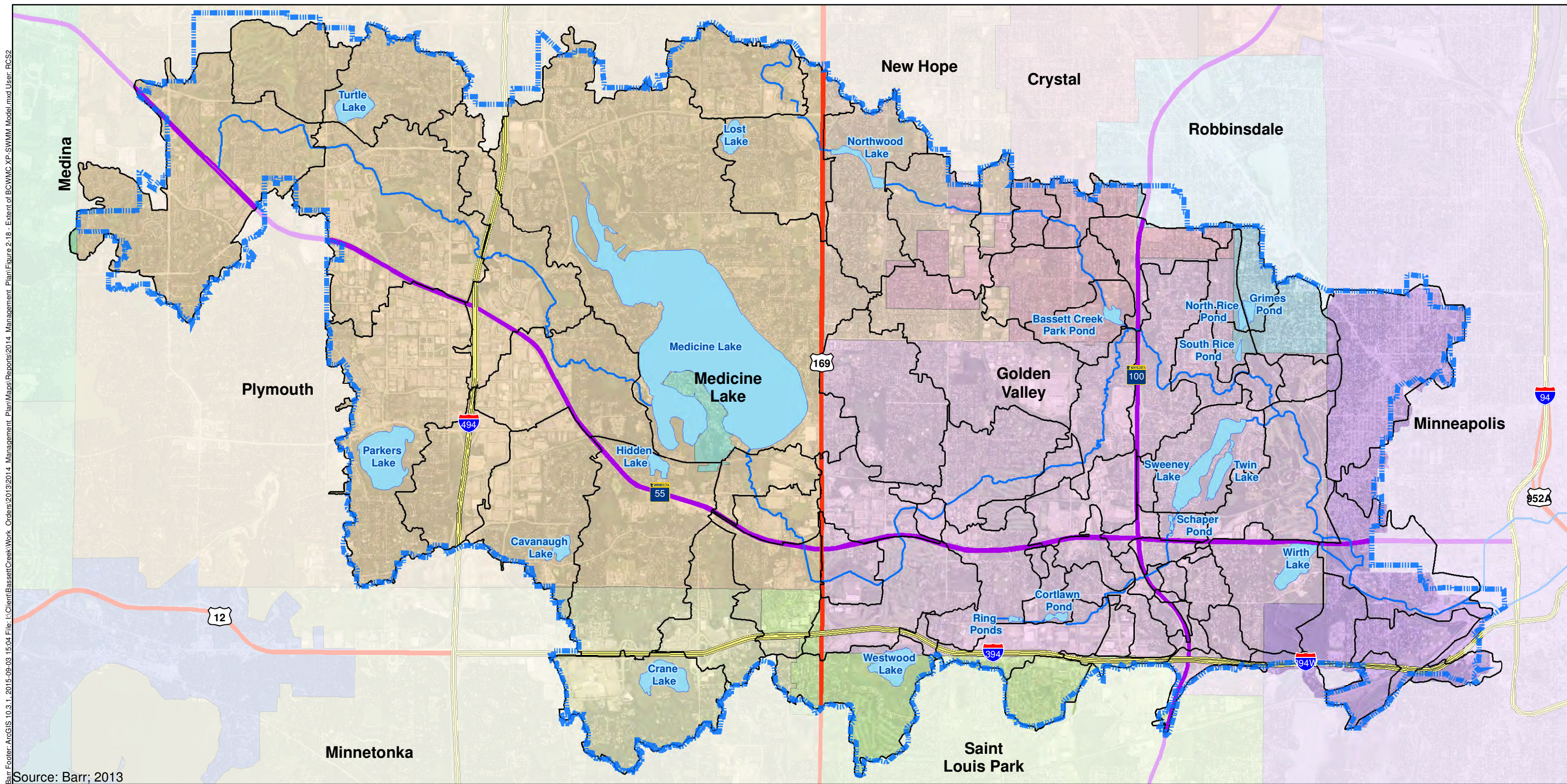


Figure 2-17
Medicine Lake Water Level and
Precipitation (1972-2015)

Sources: MDNR lakefinder, Minnesota Climatology Working Group, BCWMC

Bar Footer-ArcGIS 10.3.1, 2015-09-03 15:04 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Map\Figure 2-18 - Extent of BCWMC XP-SWMM Model.mxd User: RGS2



Source: Barr, 2013

- BCWMC Jurisdictional Boundary
- Watersheds Used in XP-SWMM Model
- Creeks
- Lakes and Ponds

See section 2.8.6.1 for more information about the BCWMC watershed-wide XP-SWMM hydrologic and hydraulic model.

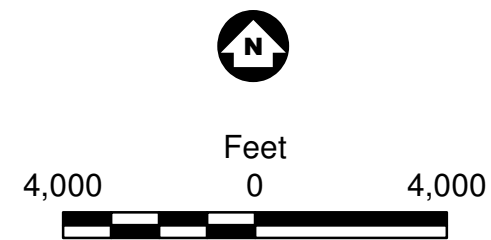
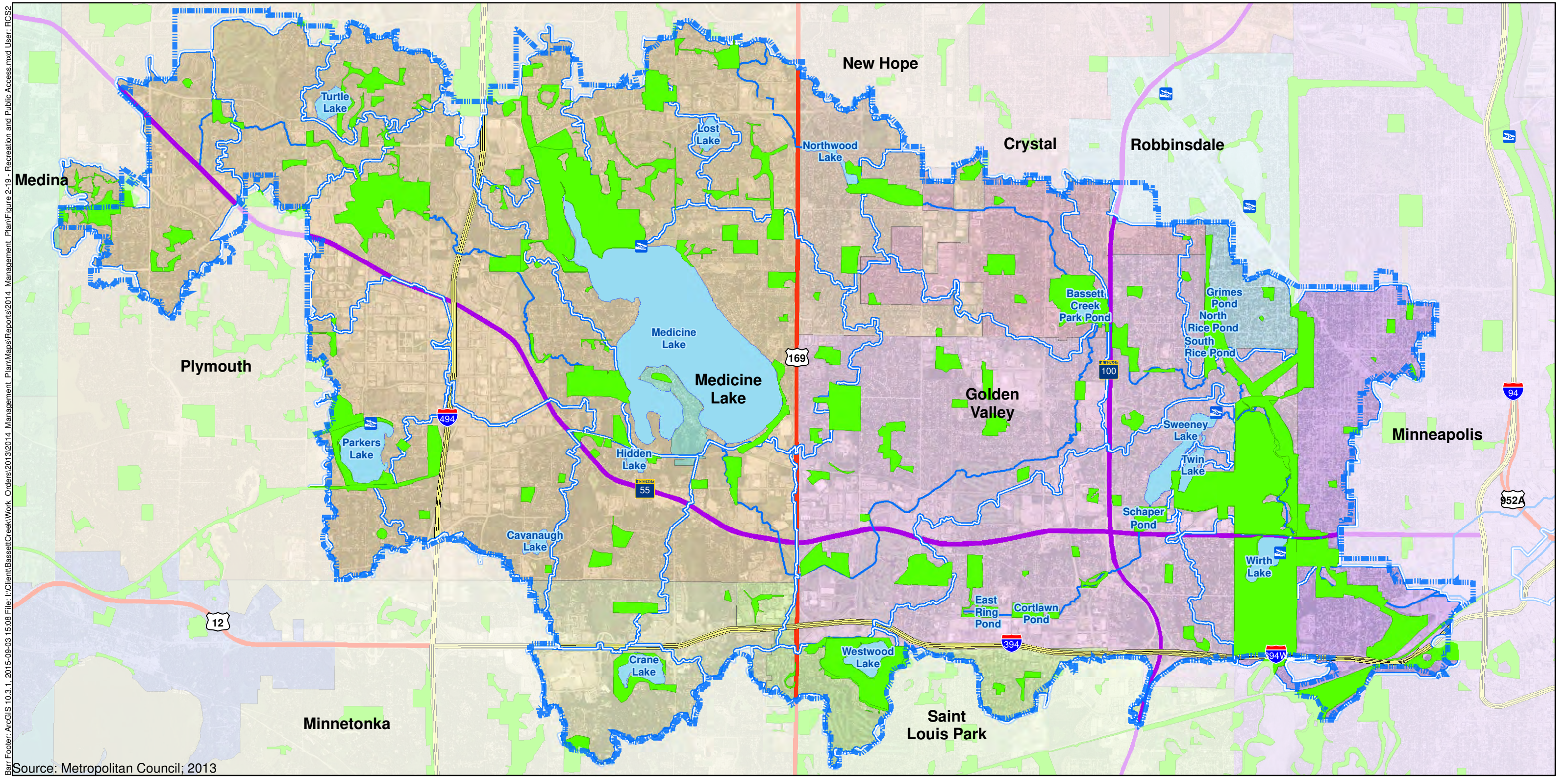


Figure 2-18

WATERSHEDS USED IN
BCWMC XP-SWMM MODEL
Bassett Creek Watershed
Management Commission
2015 Management Plan



**Bassett Creek Watershed
Management Commission**



Bar Footer: ArcGIS 10.3.1, 2015-09-03 15:08 File: I:\Client\BassettCreek\Work Orders\2013\2014 Management Plan\Maps\Reports\2014 Management Plan\Figure 2-19 - Recreation and Public Access.mxd User: RCS2

- BCWMC Jurisdictional Boundary
- Major Subwatersheds
- Boat Access
- Creeks
- City or Regional Park

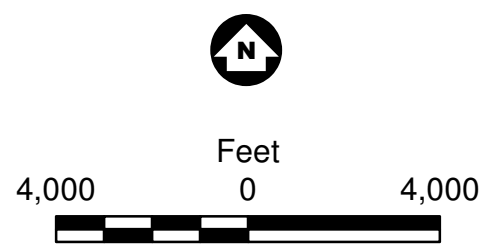
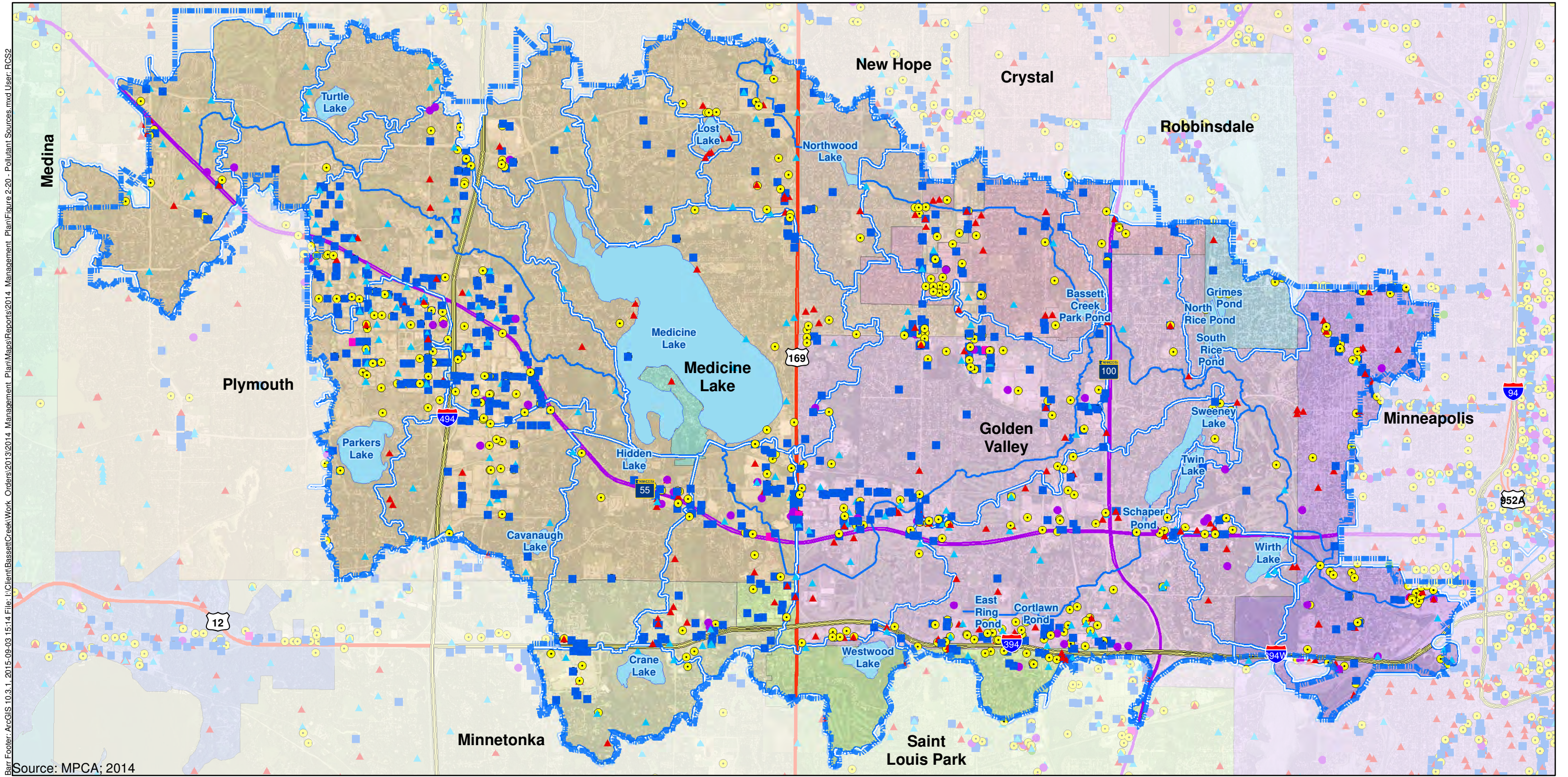


Figure 2-19

RECREATION AREAS AND
PUBLIC BOAT ACCESS
Bassett Creek Watershed
Management Commission
2015 Management Plan



Source: MPCA; 2014

What's in my Neighborhood

- BCWMC Jurisdictional Boundary
- Major Subwatersheds
- Lakes and Ponds
- Creeks
- Air Permit
- Feedlot
- Hazardous Waste
- Investigation and Cleanup
- Solid Waste
- Underground Storage Tanks
- Water Quality
- Multiple Activities

See section 2.11 of the plan for more information about the data illustrated in this figure.

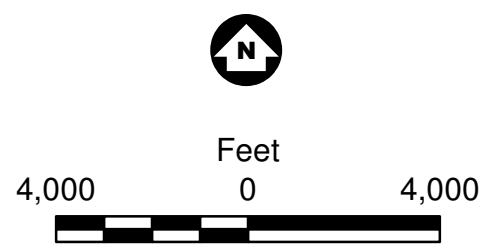


Figure 2-20

POLLUTANT SOURCES
Bassett Creek Watershed
Management Commission
2015 Management Plan