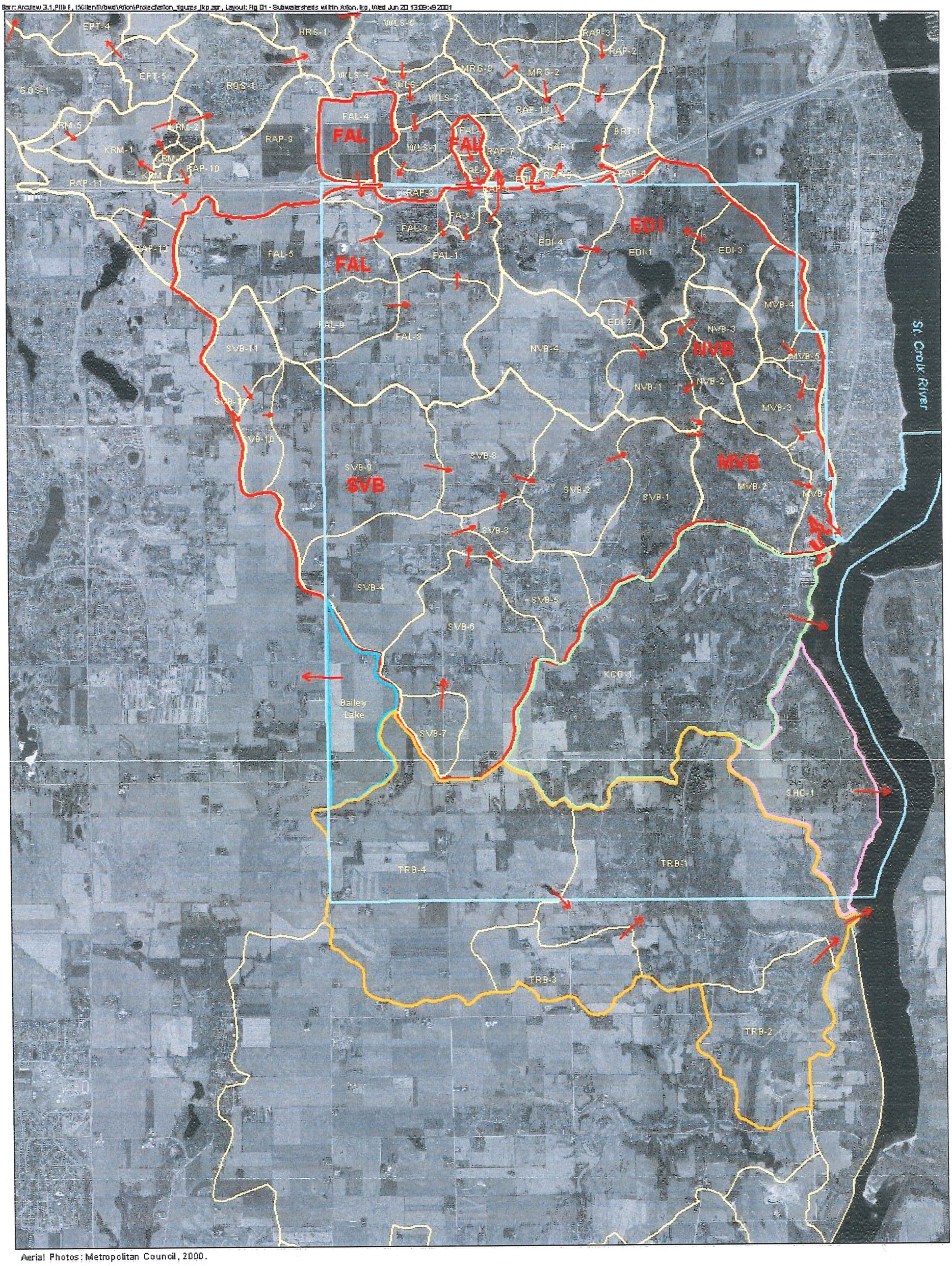


Aerial Photos: Metropolitan Council, 2000.

Flow Direction
Valley Creek Watershed
Trout Brook Watershed
Kelles Coulee Watershed
Swede Hill Creek Watershed
Bailey Lake Watershed
Major Subwatersheds
Subwatersheds
Afton Municipal Boundary

EDI = Lake Edith Subwatershed Cluster
FAL = Fahlstrom Pond Subwatershed Cluster
KCO = Kelles Coulee Subwatershed Cluster
MVB = Main Stem Valley Branch Creek Subwatershed Cluster
NVB = North Fork Valley Branch Creek Subwatershed Cluster
SHC = Swede Hill Creek Subwatershed Cluster
SVB = South Fork Valley Branch Creek Subwatershed Cluster
TRB = Trout Brook Subwatershed Cluster

N

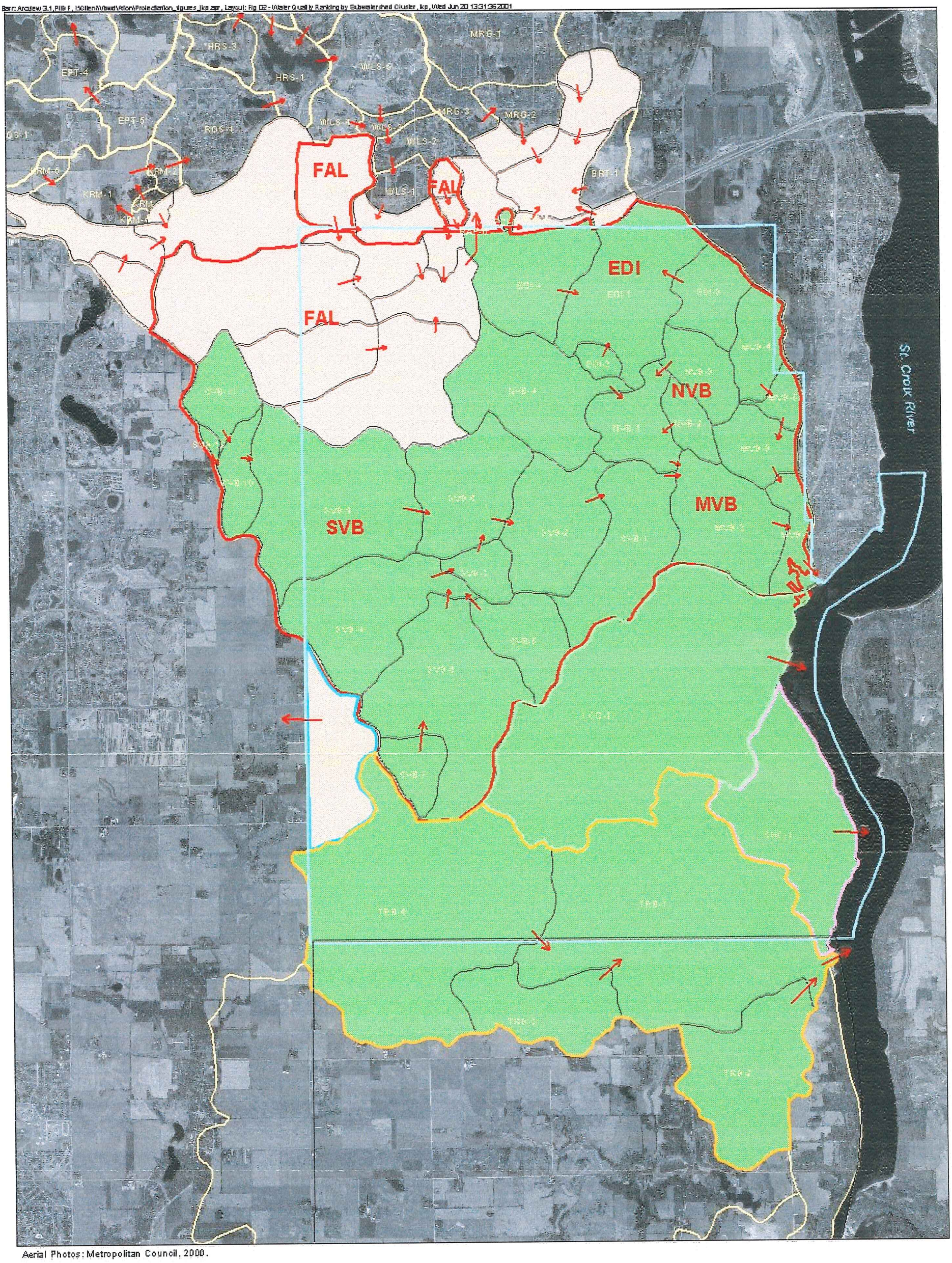
2000 0 2000 4000

Scale in Feet

Figure 1

SUBWATERSHEDS WITHIN AFTON
Lower St. Croix Valley Watershed District

Esri: ArcView 3.1, PID F, McKenn\Wowd\Afton\Projection_figures_jkp.apr, Layout: Fig 02 - Water Quality Ranking by Subwatershed Cluster, jkp, Wed Jun 20 13:31:36 2001



Aerial Photos: Metropolitan Council, 2000.

Water Quality
- High
- Low
- Flow Direction
- Valley Creek Watershed
- Trout Brook Watershed
- Kelles Coulee Watershed
- Swede Hill Creek Watershed
- Bailey Lake Watershed
- Major Subwatersheds
- Subwatersheds
- Afton Municipal Boundary

EDI = Lake Edith Subwatershed Cluster
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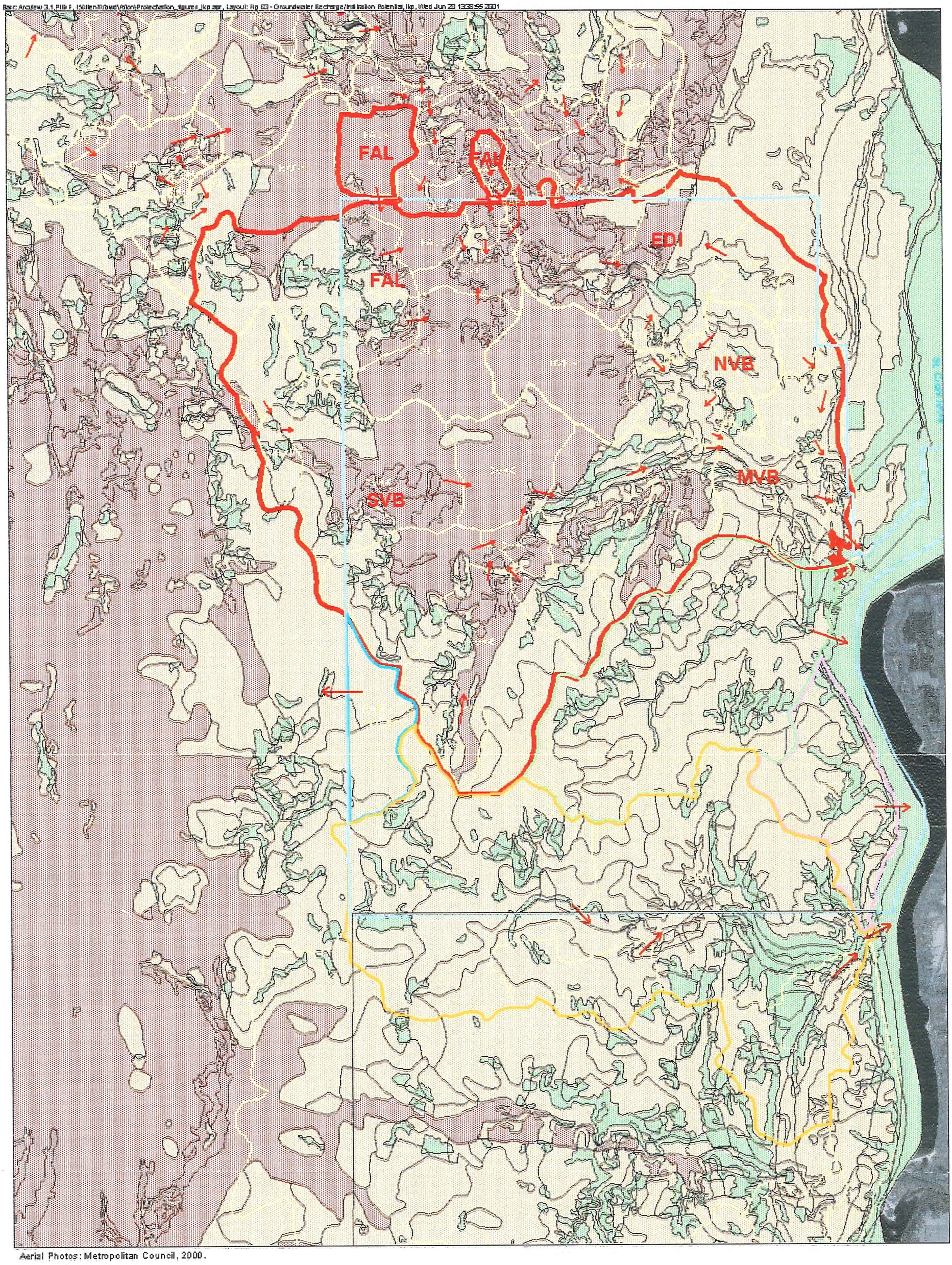
N

2000 0 2000 4000

Scale in Feet

Figure 2

WATER QUALITY RANKIING BY SUBWATAERSHED CLUSTER
Lower St. Croix Valley Watershed District



Aerial Photos: Metropolitan Council, 2000.

Total Infiltation Capacity
- High
- Moderate
- Low
- Flow Direction
- Valley Creek Watershed
- Trout Brook Watershed
- Kelles Coulee Watershed
- Swede Hill Creek Watershed
- Bailey Lake Watershed
- Major Subwatersheds
- Subwatersheds
- Afton Municipal Boundary

NOTE:
Rankings are based on the hydrologic soil grouping and the surficial geology.
High = A or B soils over outwash.
Moderate = A or B soils over bedrock, till and other.
Moderate = C or D soils over outwash.
Low = C or D soils over bedrock, till and other.
A/D and B/D soils are assumed to be D soils.

Soils data is from "Soils Survey of Washington and Ramsey Counties, Minnesota", issued April 1980.

Surficial Geology is from "Geologic Atlas Washington County, Minnesota", 1990.

N

2000 0 2000 4000

Scale in Feet

Figure 3

GROUNDWATER RECHARGE/
TOTAL INFILTRATION POTENTIAL
Lower St. Croix Valley Watershed District