CORPS OF ENGINEERS

U. S. ARMY

CANNON RIVER
DRAINAGE AREA 1,440 SQ. M.

Q 500=257,000 CFS
Q 200=222,000 CFS
Q 100=197,000 CFS
Q 50=172,500 CFS
Q 25=148,500 CFS
Q 10=117,500 CFS
Q 5= 94,000 CFS
Q 2= 60,500 CFS

RUSH RIVER
DRAINAGE AREA 240 SQ. M.

Q 500=257,000 CFS
Q 200=222,000 CFS
Q 100=197,000 CFS
Q 50=172,500 CFS
Q 25=148,500 CFS
Q 10=117,500 CFS
Q 5= 94,000 CFS
Q 2= 60,500 CFS

CHIPPEWA RIVER
DRAINAGE AREA 9,480 SQ. M.

Q 500=259,000 CFS
Q 200=224,000 CFS
Q 100=199,000 CFS
Q 50=174,000 CFS
Q 25=150,000 CFS
Q 10=119,000 CFS
Q 5= 95,500 CFS
Q 2= 62,000 CFS

BUFFALO RIVER
DRAINAGE AREA
465 SQ. M.

Q 500=290,000 CFS
Q 200=255,000 CFS
Q 100=230,000 CFS
Q 50=204,000 CFS
Q 25=179,000 CFS
Q 10=146,000 CFS
Q 5=120,000 CFS
Q 2= 82,000 CFS

ZUMBRO RIVER
DRAINAGE AREA
1,380 SQ. M.

Q 500=291,000CFS
Q 200=257,000CFS
Q 100=231,000CFS
Q 50=206,000CFS
Q 25=181,000CFS
Q 10=147,500 CFS
Q 5=121,500 CFS
Q 2= 83,000 CFS

WHITEWATER RIVER
DRAINAGE AREA 302 SQ. M.

Q 500=296,000 CFS
Q 200=261,500 CFS
Q 100=236,000 CFS
Q 50=210,500 CFS
Q 25=185,500 CFS
Q 10=152,000 CFS
Q 5=125,500 CFS
Q 2= 86,000 CFS

Q 500=298,500 CFS
Q 200=264,000 CFS
Q 100=238,500 CFS
Q 50=213,000 CFS
Q 25=187,500 CFS
Q 10=154,000 CFS
Q 5=127,500 CFS
Q 2= 88,000 CFS

1965
2001
1969
1997
1993

DAM NO. 3
POOL 675.0

DAM NO. 4 POOL 667.0

DAM NO. 5 POOL 660.0

POOL GAGE M. 796.81
TAILWATER GAGE M. 796.61
0=600.0

RED WING, MINN. M. 790.9 0=665.13

LAKE CITY, MINN. M. 772.83 0=600.0

WABASHA GAGE M. 760.45
0=600.0

DAM NO. 4 POOL M. 752.95
TAILWATER M. 752.6
0=600.0

C.P. 5 M. 748.5 0=600.0

POOL GAGE M. 738.27
TAILWATER GAGE M. 737.90
0=600.0

DAM NO. 3

RED WING, MINN. M. 790.97

BAY CITY, WIS. M. 786.19

CANNON RIVER M. 794.67

RUSH RIVER M. 780.19

FRONTENAC, MINN. M. 779.9

LAKE CITY, MINN. M. 772.56

PEPIN, WIS. M. 767.61

CHIPPEWA RIVER M. 762.08

STATE HIGHWAY 25 BRIDGE M. 760.21

WABASHA, MINN. M. 759.92

TEEPEE ON A POINT M. 756.1

BUFFALO (BEEF) RIVER M. 754.53

ALMA, WIS. M. 752.6

ZUMBRO RIVER M. 750.08

BUFFALO, WIS. M. 744.0

WHITEWATER RIVER M. 742.5

ELEVATION ABOVE MEAN SEA LEVEL (1912 ADJUSTMENT)

MILES ABOVE OHIO RIVER

O HIGHWATER MARKS
UNET CALIBRATION

U.S. ARMY CORPS OF ENGINEERS

2003 FLOW FREQUENCY STUDY

APPENDIX B

MISSISSIPPI RIVER
HISTORIC FLOOD PROFILES - 1912 ADJ

ST. PAUL DISTRICT

2, 5, 10, 25, 50, 100, 200 & 500 YEAR FLOOD
&
1965 HISTORIC FLOOD
RIVER MILES 737.9 TO 796.7
PLATE * 4