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

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

CHIPPEWA RIVER
DRAINAGE AREA 9,480 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.

BUFFALO RIVER
DRAINAGE AREA
465 SQ. M.

Q500=291,000CFS
Q200=257,000CFS
Q100=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

ZUMBRO RIVER
DRAINAGE AREA
1,380 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

WHITEWATER RIVER
DRAINAGE AREA 302 SQ. M.

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

500 YEAR
200 YEAR
100 YEAR
50 YEAR
25 YEAR
10 YEAR
5 YEAR
2 YEAR

DAM NO. 3
POOL 674.5

DAM NO. 4 POOL 666.5

DAM NO. 5 POOL 659.5

POOL GAGE M. 796.91
TAILWATER GAGE M. 796.61
0=599.5

WING, MINN. M. 790.9 0=664.63

LAKE CITY GAGE M. 772.83 0=599.5

WABASHA GAGE M. 760.45 0=599.5

DAM NO. 4 POOL M. 752.95
TAILWATER M. 752.6
0=599.5

C.P. 5 M. 748.5 0=599.5

DAM NO. 5 POOL GAGE M. 738.27
TAILWATER GAGE M. 737.90
0=599.5

BUFFALO, WIS.
M. 744.0

WHITEWATER RIVER
M. 742.5

ELEVATION ABOVE MEAN SEA LEVEL (NGVD 1929)

692 690 688 686 684 682 680 678 676 674 672 670 668 666 664 662 660 658 656 654 652 650 648 646

MILES ABOVE OHIO RIVER

802 800 798 796 794 792 790 788 786 784 782 780 778 776 774 772 770 768 766 764 762 760 758 756 754 752 750 748 746

744 742 740 738

CANNON RIVER M. 794.67
RED WING, MINN. M. 790.97
BAY CITY, WIS. M. 786.19
RUSH RIVER M. 780.19
FRONTENAC, MINN. M. 779.0
LAKE CITY, MINN. M. 772.56
PEPIN, WIS. M. 767.81
CHIPPEWA RIVER M. 763.08
STATE HIGHWAY 25 BRIDGE M. 760.21
WABASHA, MINN. M. 759.92
TEPPEOTA POINT M. 757.1
BUFFALO (BEEF) RIVER M. 754.59
ALMA, WIS. M. 752.6
ZUMBRO RIVER M. 750.08

U.S. ARMY CORPS OF ENGINEERS

2003 FLOW FREQUENCY STUDY

APPENDIX B

MISSISSIPPI RIVER
FLOOD PROFILES - NGVD 1929

ST. PAUL DISTRICT

2, 5, 10, 25, 50, 100, 200 & 500 YEAR FLOOD
&
1965 HISTORIC FLOOD
RIVER MILES 737.9 TO 796.7
PLATE # 8