

TABLE 3
ESTIMATED FLOOD DAMAGES
RED RIVER AREA (EMERSON - ST. NORBERT)
1972 PRICES & LEVELS OF DEVELOPMENT
1972 CONDITIONS¹

DAMAGE CATEGORY	ESTIMATED DAMAGES		
	1948 FLOOD ² (\$)	1950 FLOOD ³ (\$)	1852 FLOOD ⁴ (\$)
<u>NON-AGRICULTURAL⁵</u>			
A. Urban	145,000	4,806,000	14,066,000
B. Utilities & Railroads	6,000	793,000	3,085,000
C. Government	117,000	1,410,000	3,943,000
<u>AGRICULTURAL</u>			
D. Loss of Income & Extra Costs ⁶	455,000	3,105,000	7,435,000
E. Agricultural Property ⁷	133,000	692,000	6,593,000
TOTAL	856,000	10,806,000	35,062,000

Notes for Table 3

1. Channel conditions & flood control measures in existence in 1972.
2. Peak flow of 52,000 cfs on Red River at Emerson. 67,400 acres flooded.
3. Peak flow at 94,000 cfs on Red River at Emerson. 316,000 acres flooded.
4. Peak flow of 137,000 cfs on Red River at Emerson. 523,000 acres flooded.
5. Non-Agricultural damages were derived by subtracting the benefits estimated to accrue from community ring dykes in the 1967 Manitoba Water Resources Branch Report "Benefit-Cost Study, Proposed Dyking System for Towns & Villages in the Red River Valley" from the damage estimates in Table 2 of this report.
6. 1948 & 1950 Floods: Damages = 100% of Item D.1, Table 2 plus 20% of Items D.2, D.3 and D.4, Table 2.
1852 Flood: Damage = 100% of Category D, Table 2.
7. 1948 & 1950 Floods: Damages = 20% of Category E, Table 2.
1852 Flood: Damages = 100% Category E, Table 2.