

ILLINOIS' LAKE MICHIGAN DIVERSION

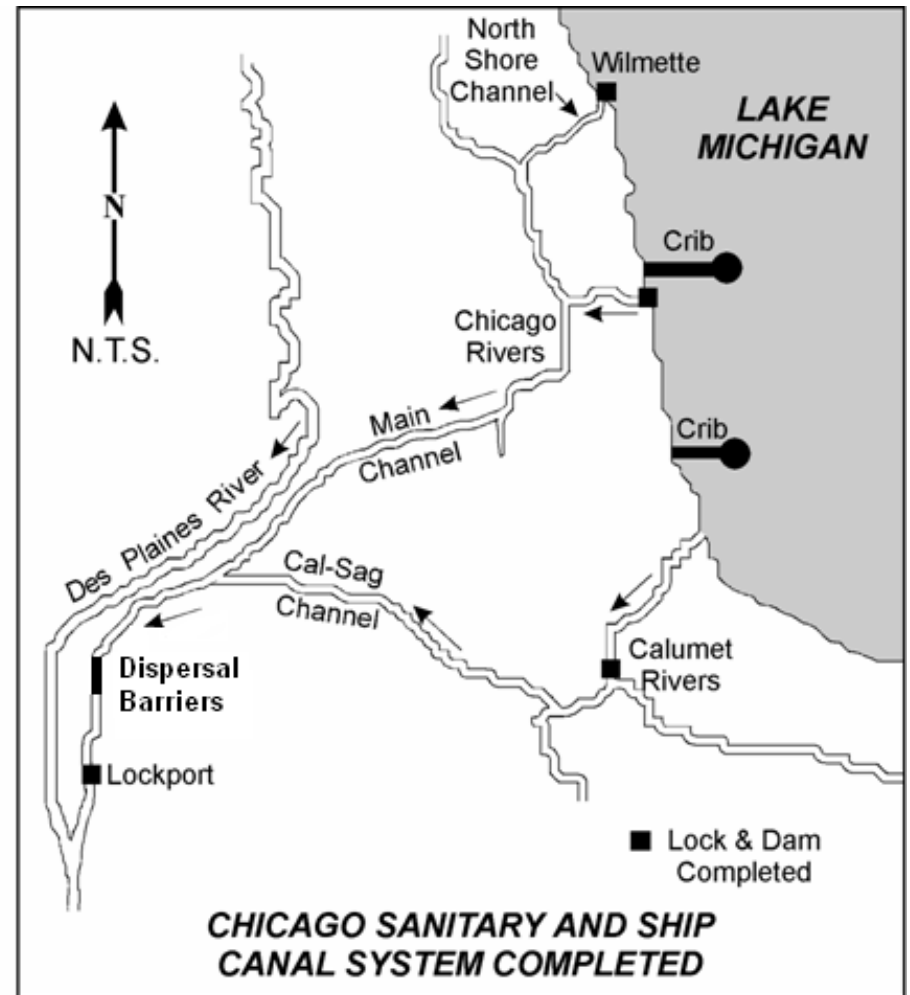
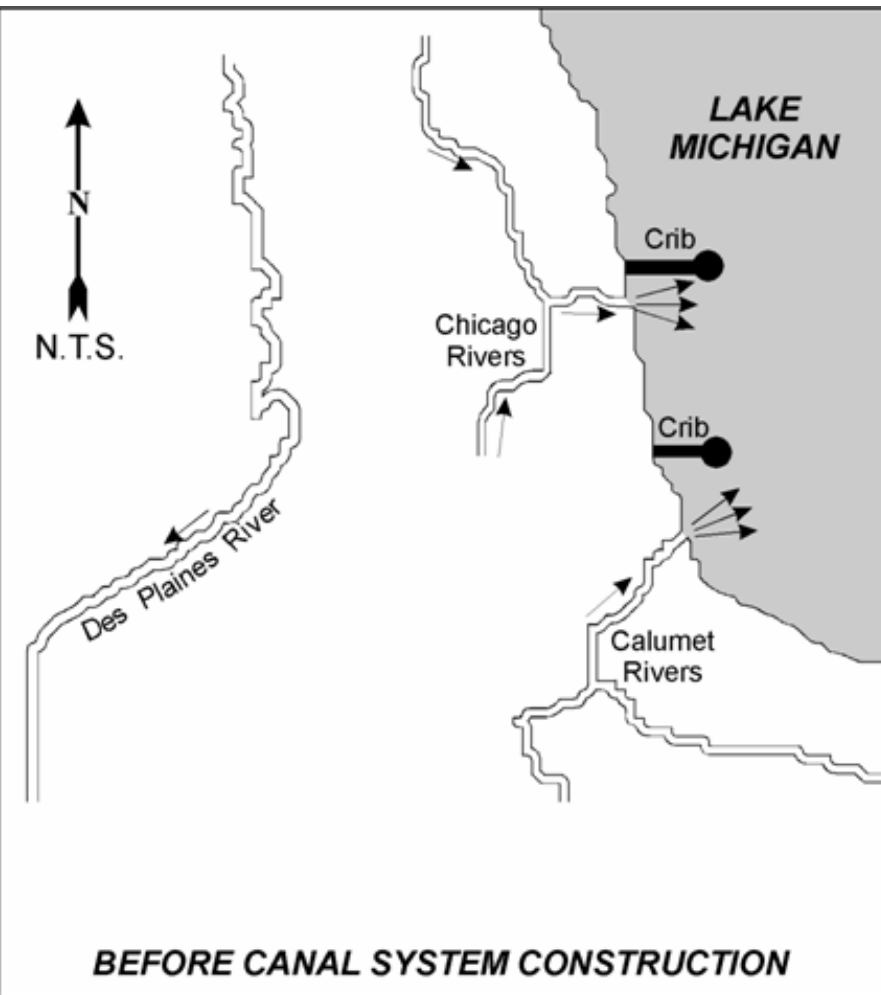
Daniel Injerd

Office of Water Resources

Illinois Department of Natural Resources

The Great Lakes Basin





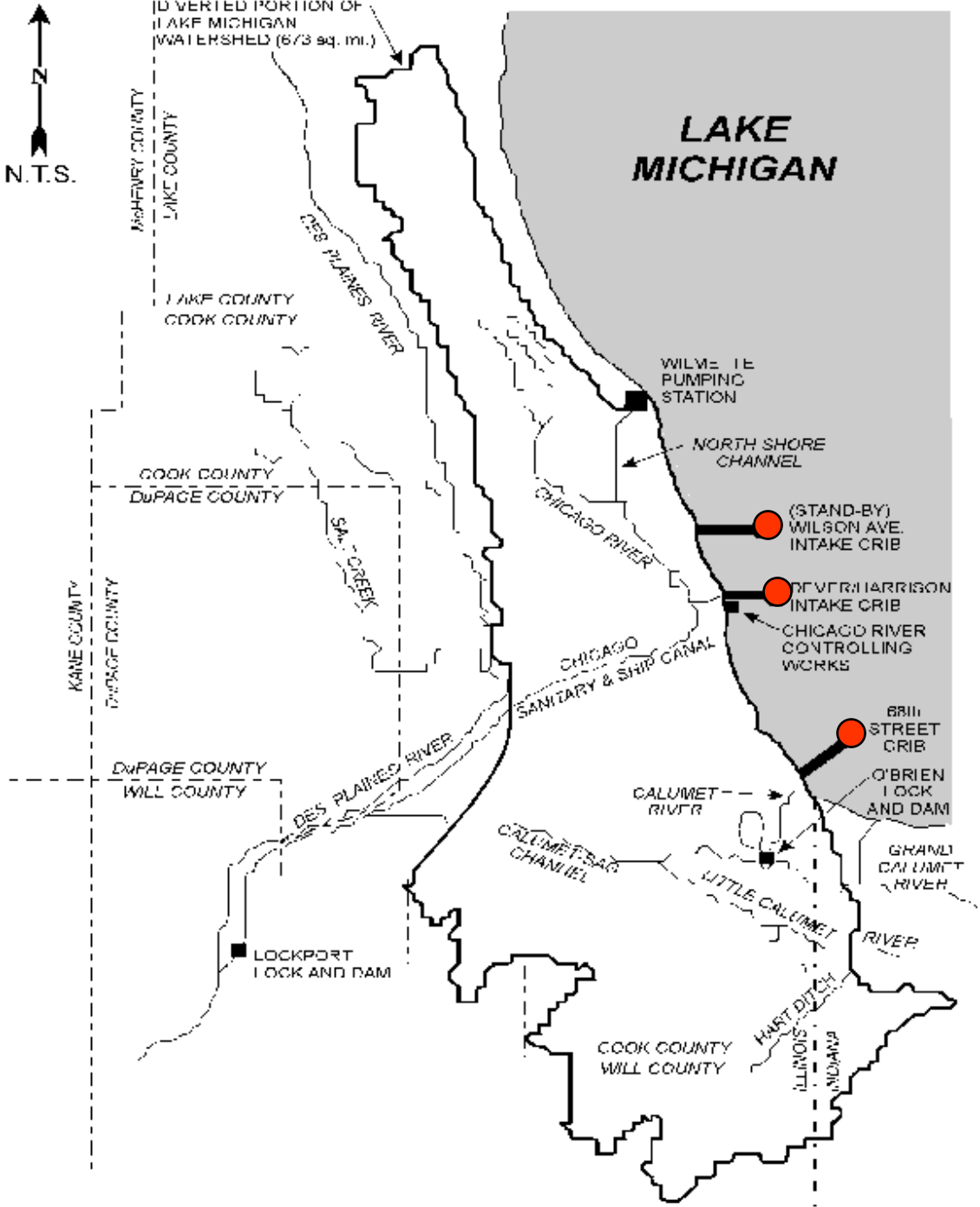
U.S. Supreme Court Decree

- Illinois' total diversion must not exceed 3200 cubic feet per second (2.1 billion gallons per day) over a 40 year running average
- Yearly average not to exceed 3680 cfs, except for two years it may not exceed 3840 cfs
- During first 40 year period Illinois' water debt cannot exceed 2000 cfs-years



DIVERTED PORTION OF
LAKE MICHIGAN
WATERSHED (673 sq. mi.)

LAKE MICHIGAN



WILMETTE
PUMPING
STATION

NORTH SHORE
CHANNEL

(STAND-BY)
WILSON AVE.
INTAKE CRIB

O'BRIEN HARRISON
INTAKE CRIB

CHICAGO RIVER
CONTROLLING
WORKS

87TH
STREET
CRIB

O'BRIEN
LOCK
AND DAM

CALUMET
RIVER

GRAND
CALUMET
RIVER

LITTLE CALUMET
RIVER

COOK COUNTY
WILL COUNTY

ILLINOIS
INDIANA

LAKE COUNTY
LAKE COUNTY

LAKE COUNTY
COOK COUNTY

COOK COUNTY
DuPAGE COUNTY

KANE COUNTY
DuPAGE COUNTY

DuPAGE COUNTY
WILL COUNTY

LOCKPORT
LOCK AND DAM

DES PLAINES RIVER

SAUCIER CREEK

CHICAGO RIVER

CHICAGO
SANITARY & SHIP CANAL

DES PLAINES RIVER

CALUMET
CHANNEL

HART DITCH



COMPARISON BETWEEN 1998 ALLOCATIONS AND 2007/2008 LAKE MICHIGAN WATER REALLOCATION

Total Allocation (in MGD)	2009	2010	2015	2020	2025	2030
1998						
Number	210	210	210	210		
Allocation	1298.64	1304.29	1338.31	1369.92		
2007/2008						
Number	200	200	200	200	200	200
Allocation	1085.29	1091.13	1119.2	1146.89	1172.51	1197.91

Status of Illinois' Diversion Before MOU

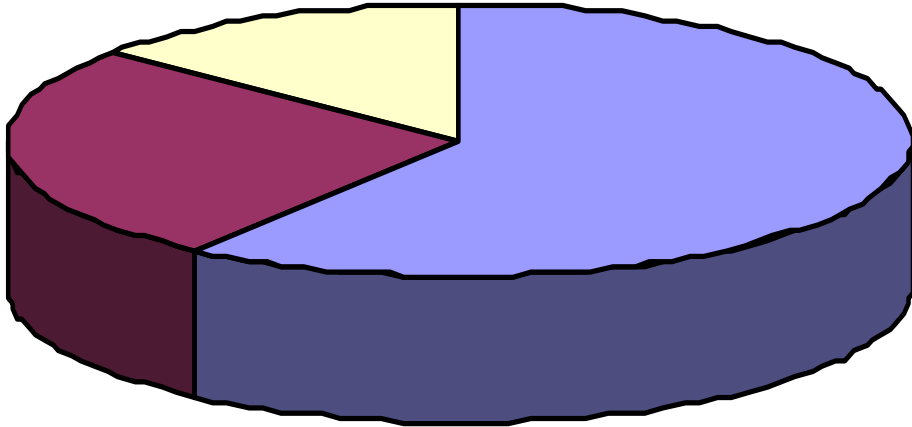
Accounting Year	Certified Flow (cfs)	Running Average (cfs)	Cumulative Deviation (cfs)
1981	3106	3106	94
1982	3087	3097	207
1983	3613	3269	-206
1984	3432	3310	-438
1985	3472	3342	-710
1986	3751	3410	-1261
1987	3774	3462	-1835
1988	3376	3451	-2011
1989	3378	3443	-2189
1990	3531	3452	-2520
1991	3555	3461	-2875
1992	3409	3457	-3084
1993	3841	3487	-3725

Current Status of Illinois' Diversion

Accounting Year	Certified Flow (cfs)	Running Average (cfs)	Cumulative Deviation (cfs)
1981	3106	3106	94
1982	3087	3097	207
1983	3613	3269	-206
1984	3432	3310	-438
1985	3472	3342	-710
1986	3751	3410	-1261
1987	3774	3462	-1835
1988	3376	3451	-2011
1989	3378	3443	-2189
1990	3531	3452	-2520
1991	3555	3461	-2875
1992	3409	3457	-3084
1993	3841	3487	-3725
1994	3064	3456	-3589
1995	3197	3439	-3586
1996	3108	3418	-3494
1997	3114	3400	-3408
1998	3060	3382	-3268
1999	2909	3357	-2977
2000	2584	3318	-2361
2001	2698	3289	-1859
2002	2919	3272	-1578
2003	2398	3234	-776
2004	2757	3214	-333
2005	2771	3196	96
2006*	2627	3174	669
2007*	3182	3175	687
2008*	3114	3172	773

*Estimated

Breakdown of Diversion for Water Year 2005



■ Domestic 1063
mgd

■ Runoff 448 mgd

■ Direct Diversion
250 mgd