

Draft North Branch of the Chicago River (NBCR) Watershed Plan (Nov. 2010)

➤ Planning Process Completed To-Date:

- Comprehensive and collaborated approach
- Good communication amongst MWRD, communities, consultants and other stakeholders
- Result: Eight (8) “Large” regional projects recommended, including:
 - Detention/Conveyance (2)
 - Erosion Stabilization (3)
 - Levees (3)
 - Total projects cost: \$394,680,000

➤ Recommended Projects’ Impact on Glenview:

- Both detention/conveyance projects (*WF-06* and *MS-14*) are proposed upstream of Glenview and will provide benefits throughout Glenview and beyond
- In total, these two projects alone would achieve over \$220,000,000 in calculated benefits
- Continued development and implementation of these two projects would greatly improve regional flooding conditions in Glenview and **are strongly recommended to proceed to design and next stages**

➤ Lack of “Quick-Win” Opportunities:

- The eight projects proposed will take substantial time and effort to construct due to their scale, need for multiple jurisdictional cooperation, and cost – as such, consideration of additional “quick-win” or smaller projects to show progress within the County would be prudent
- Possible additional “quick-win” projects could include:
 - Strategic dredging – to remove silt and establish additional stormwater conveyance for all storm sizes (not just large “100-year” events)
 - Active control – modify the use of existing regional stormwater detention facilities to maximize their benefits for various rain events
 - Floodplain/way buy-outs – even after completion of these regional projects, some structures will remain within the floodplain and regulatory floodway. A county-wide program to provide assistance to voluntarily remove these structures over time will ensure that all County residents in peril of regional flooding are included within this plan



TABLE ES.1
Recommended Alternatives Summary for the North Branch of the Chicago River and Lake Michigan Watersheds

Project	Category	Description	B/C Ratio	Total Benefits	Total Project Cost	Probable Construction Cost	Cumulative Structures Protected	Communities Involved
WF-03	Erosion Stabilization	Hard armoring of WF east bank along Metra Milwaukee North District RR and Fair Lane between Dundee Road and Cherry Lane.	0.77	\$1,600,000	\$2,100,000	\$1,100,000	3	Metra and Northbrook
WF-06	Detention/Conveyance	Techy Reservoir 32A Expansion into Anetsberger Golf Course and steepening existing side slopes to 3H:1V. Includes inlet weir and restrictor barrel revisions. Adds approximately 1,100 ac-ft of detention storage.	1.35	\$146,500,000	\$108,800,000	\$82,500,000	216	Northbrook Park District, Northbrook, Glenview, Golf, Unincorp. Cook Co.
MF-04	Levee	Flood wall on the east bank of the MF through the Fair Acres/Waters Edge subdivision. Compensatory storage proposed for adjacent Forest Preserve District property (approximately 5 ac-ft).	0.12	\$179,000	\$1,500,000	\$740,000	4	Cook County Forest Preserve District (CCFPD), Northbrook, Unincorp. Cook Co.
MF-06	Erosion Stabilization	Hard armoring of both banks of MF along Robin Hood Lane, New Willow Road, and Northfield Road.	4.59	\$7,400,000	\$1,700,000	\$880,000	7	Northfield
MF-07	Erosion Stabilization	Hard armoring of MF at Meadowbrook Drive.	1.65	\$1,700,000	\$980,000	\$530,000	3	Northfield
SR-08 ¹	Levee	I-94 at Winnetka Road Levees. Construct approximately 4,700 ft of levee along both sides of I-94 near Winnetka Road. ¹	1.38	\$7,800,000	\$5,700,000	\$3,300,000	0	Northfield, IDOT, CCFPD
MS-10	Levee	Albany Park Floodwall Project. Construct approximately 6,300 ft of floodwall along NBCR between Foster Avenue and Kimball Avenue.	1.52	\$24,800,000	\$16,300,000	\$4,100,000	329	Chicago, Chicago Park District, CCFPD, Private Property Owners
MS-14 ²	Detention/Conveyance	Combination of Alternative Projects MS-12 + MS-13 (Wilmette Golf Course Reservoir + Channel Modification on Main Stem). Addition of a new reservoir on the Wilmette Golf Course (approximately 2,800 ac-ft of storage). Channel modification widens the Main Stem channel by approximately 100 feet (50 ft per side) from the Middle Fork to the West Fork, approximately 18,500 ft.	0.29	\$74,500,000	\$257,600,000	\$182,800,000	1,286	Wilmette Park District, Wilmette, CCFPD, Glenview

1 - SR-08 project only addresses overbank flooding of the Skokie River near I-94 (Edens Expressway) and Winnetka Road; however, this project does not address overbank flooding along I-94 at Willow Road and Skokie River crossing.

For purposes of benefit calculation for SR-08, no other temporary closure of I-94 due to overbank flooding is assumed.

2 - MS-14 project's total benefit includes benefit to the Middle Fork, Skokie River, and Main Stem NBCR subwatersheds.