

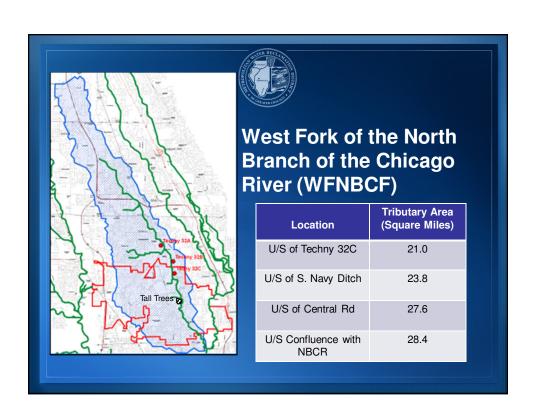
MWRD Stormwater Management
July 10, 2014
West Fork North Branch Chicago River
Flood Mitigation Project
Tall Trees Neighborhood



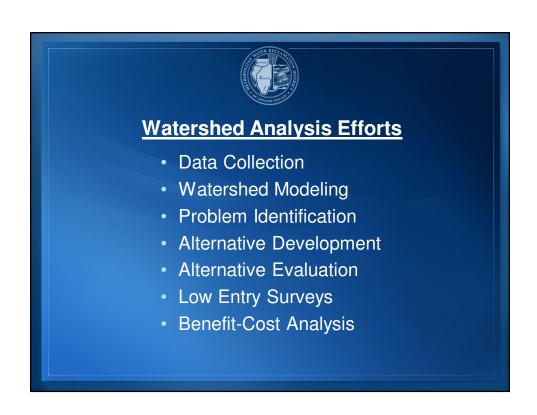


Meeting Objective

Provide supplemental background and information regarding the flood mitigation alternative being considered for the Tall Trees neighborhood.









Flooding in Tall Trees

Total Damages in Tall Trees:

- 175 Properties Affected
- 63 Properties Damaged
- \$6.6 million in Damages



Structure Vulnerable to Flood Damage





Computing Damages and Benefits

- 1. Estimate Damages for each Storm (2-yr through 100-yr)
- 2. Compute Average Annual Damages (AAD)
- 3. Include Additional Costs (generally 15% of AAD)
- 4. Present Value = AAD · 18.61 (50 years at 4.875%)
 - = \$6,600,000 in total damages
 - = \$6,600,000 in potential benefits







Master List of Alternatives Considered

- STS Alternative Evaluation (Village of Glenview)
 - 8 alternatives evaluated
- Detailed Watershed Plan (MWRDGC)
 - 15 alternatives evaluated
- WFNBCR Preliminary Design (MWRDGC)
 - 16 alternatives evaluated

39 alternatives evaluated by three consultants



Basis for Project Development

- Provide significant reduction in flooding risk and damages
- Achieve reasonable balance between cost and benefits
- Consider individual area projects
- Manage adverse impacts to stakeholders



