

# Flood Damage Reduction Projects

**Key:**

COE = U.S. Corps of Engineers  
 FIRM = Flood Insurance Rate Map  
 FIS = Flood Insurance Study  
 H/H = Hydrology Hydraulics  
 LID = Lake Improvement District  
 NRCS = Natural Resources Conservation Service  
 OHW = Ordinary High Water  
 SWCD = Soil & Water Conservation District  
 WD = Watershed District

**Fiscal**

**Year**

**Bonding Fund**

**General Fund**

**2006**

Austin Albert Lea Crookston Delano East Grand Forks  Golden Valley Grand Marias Granite Falls Inver Grove Heights Manston Slough Oakport Township Riverton Township Shell Rock WD St. Vincent Wild Rice WD	Acquisition Acquisition Levees Acquisitions Federal Project (Levee, Floodwall) Acquisition/Flood Proof 2 <sup>nd</sup> Impoundment Acquisition & Flood Walls Acquisitions Impoundment Acquisition & Dike Construction Impoundment Impoundments Levee Impoundments
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Wabasha Spring Valley Roseau Golden Valley South Turtle Lk LID	Acquisition Acquisition COE Study (Diversion) Acquisition Pump Outlet
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**2005**

Austin Mower County Granite Falls Inver Grove Heights Oakport Heights Canisteo Pit Red River (Grand Marais)  Red River (Manston)  Warren  Red River (WMA, Ross) Montevideo Dawson St. Louis Park Hay Creek Red River (Malung, Palmville) Albert Lea North Ottawa Buffalo Red East Grand Forks Big Bend Cannon Falls Spring Valley Red Lake County	Acquisitions Acquisitions Acquisitions Acquisitions Acquisitions Overflow outlet flooded mine Gov's Initiative-Plan Impoundment Gov's Initiative-Plan Impoundment Federal Project (Diversion, Impoundment Impoundments Federal Project (Levee) Federal Project (Levee) Flood Proofing & Storage Ponds Impoundment Impoundments Acquisition Impoundment Setback Levee Federal Project Federal (Bank Construction) Engineering Acquisition Acquisition
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Delano Town of Cotton Morrison County Mesabi Western Cook County Cook County Delano Delano Roseau Town of Cotton	Acquisition Ring Dike Acquisition Alternatives Study Stormwater Pond Stormwater Project Acquisition Acquisition COE Study Ring Dike
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**2004**

Chisago Lakes LID Tonka Bay Buffalo Chisago County  Mesabi Western Eveleth Mesabi Western Chippewa County Stearns County Redwood County	H/H Study Flood Proof Acquisition Relocate Flood Prone Structure Outlet Scoping Study Holding Pond Outlet Feasibility Study Riprap Cemetery @ Big Bend Acquisition Relocate Flood Prone Structure
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**Fiscal  
Year  
2003**

**Bonding Fund**

Warren  
Hay Creek  
Roseau

NRCS Diversion/Impoundment  
COE Channel  
Storm Water Pond/Diversion

**General Fund**

Roseau  
Hubbard County  
Holt Township-Fillmore Co.  
Two River WD  
Shoreview  
Walnut Grove  
South Turtle LID  
Eveleth  
Little McDonald Lake  
Albany  
  
Marshall Co.  
Sand Hill WD

Levee Improvement  
Plans-Lake Belle Taine  
Bank Erosion Repair  
Nereson Dam Project  
Revision of FIRM  
Storm Water Impoundment  
Lower Lake to OHW  
Storm Water Conveyance  
Engineering Costs  
Storm Water Pond  
Construction  
H/H Modeling  
Ring Dike Shortfall

**2002**

East Grand Forks  
Warren  
St. Anthony  
Granite Falls  
Minneapolis  
St. Louis Park

Lebanon Hills

Montevideo  
Agassiz  
Hay Creek

North Ottawa  
Two Rivers WD  
Roseau  
Roseau County  
Mahnommen County  
Red Lake Falls  
Wild Rice WD

COE Levee  
NRCS Diversion/Impoundment  
Acquisition/Storm Water Ponds  
Acquisition  
Acquisition/Flood Proofing  
Flood Proofing/Storm Water  
Ponds  
Flood Level Control/Flood  
Proofing  
COE Levee  
Mediation Impoundment  
COE Channel Improvement/  
Impoundment  
Mediation Impoundment  
Impoundment  
Acquisition  
Acquisition  
Acquisition/Flood Proofing  
Acquisition  
Acquisition

Isanti Co.-Green Lake  
Lake Belle Taine  
Eyota  
Cook Co. SWCD  
Racine  
Oakport Township  
Winona  
Cook County SWCD  
Fillmore County  
Wild Rice WD  
Oakport Township  
Hibbing

Lake Model Study  
Outlet Study  
Stormwater Study  
Mapping  
Stormwater Impoundment  
Flood Study  
Stormwater Study  
Construct Projects  
Erosion Control  
Construct Dalen Creek Proj.  
Flood Study  
Construct Stormwater Pond

**2001**

Granite Falls  
Wabasha  
Yellow Medicine County  
Spring Valley  
Wild Rice WD  
Lake St. Croix Beach  
Agassiz Valley

Acquisition  
Acquisition  
Acquisition  
Acquisition  
Acquisition  
Acquisition/Flood Proofing  
Mediation Impoundment

Adams/Mower County  
Stephen  
Glencoe  
Winona  
Austin  
Cold Spring  
Dalen Coulee-Wild Rice WD  
  
Roseau River WD  
Spring Valley  
Bad Medicine Lake  
Sauk Rapids  
Robbinsdale  
Minneota  
Dayton  
Eveleth  
Edna Township

Acquisition  
Flood Levee  
Stormwater Studies  
Stormwater Studies  
Flood Proof Church  
Floodplain-Stormwater-Study  
Mediation Project-Restoration/  
Channel  
Border Issues Studies  
Acquisition  
Lake Flooding-Study  
FIS Restudy  
Acquisition  
Flood Proofing  
Acquisition/Levee Construction  
Stormwater Studies  
Lake Study

**2000**

Warren  
Breckenridge  
St. Anthony  
Lake St. Croix Beach  
Inver Grove Heights  
Columbia Heights  
Virginia - Mtn. Iron  
Montevideo  
Granite Falls  
Oakport Township  
Hay Creek  
  
Agassiz Valley  
North Ottawa  
Lake of the Isles  
  
Hugo

NRCS Diversion/Impoundment  
COE Diversion/Levees  
Acquisition  
Bank Protection  
Acquisition  
Acquisition/Storm Water Ponds  
Storm Water Ponds  
COE Levee  
Acquisition  
Study FDR Options  
COE Channel Improvement/  
Impoundment  
Mediation Impoundment  
Mediation Impoundment  
Wetland Restoration/  
Impoundment  
Acquisition

Bad Medicine Lake  
Dakota RFP  
Vadnais Heights  
Red Lake WD  
Prior Lake Spring Lake WD  
Koochiching County  
Zumbrota  
Roseau River WD  
Isanti  
Wild Rice WD  
Carver County  
White Earth Reservation  
Dayton  
Wild Rice WD-Thief River  
Lake Belle Taine  
Hibbing

Watershed Study  
Mapping Initiatives  
Mapping  
Flood Storage Easements  
Study/Storage Easements  
Mapping  
Detention Basin  
Storage Basin Repair  
Storm Water Improvement  
Levee  
Remap  
Acquisition  
Acquisition  
S.D. 83 Settlement  
Watershed Study  
Watershed Study

**Fiscal  
Year  
1999**

**Bonding Fund**

Warren  
Hoyt Avenue (St. Paul)  
Dawson  
Granite Falls  
Montevideo  
Crookston  
East Grand Forks  
Warren  
Ada  
Breckenridge  
Oakport Township  
Wild Rice WD  
Moorhead  
Inver Grove Heights

NRCS Diversion/Impoundment  
Acquisition  
COE Levee  
Acquisition  
Acquisition  
COE Levee/Channel Diversion  
COE Levee  
NRCS Diversion/Impoundment  
COE Levee  
COE Diversion and Levee  
COE Study  
COE Levee  
Levee  
Acquisition

**General Fund**

Marine on St. Croix  
Swift County  
Chisago LID  
Chatfield  
Granite Falls  
Kittson County  
Big Cormorant  
Spring Valley  
Dundas  
Northfield  
ND WRRRI  
Breckenridge  
Breckenridge  
Ada  
Oakport Township  
Montevideo  
Dawson  
Polk County  
Jackson  
Jordan  
Prior Lake WD  
Sand Hill WD  
Mower County  
Stevens County  
Dundas  
Zumbro Falls  
Buffalo Red WD  
Vadnais Heights  
Outlet/BRRWD  
Polk County

Watershed Study  
Lake Outlet  
Outlet System  
Floodway Mapping, GIS  
COE Study  
Acquisition  
Watershed Study  
Acquisition  
FIS Restudy  
FIS Restudy  
Hydrologic Model  
COE Study  
COE Study  
COE Study  
COE Study  
COE Study  
Watershed Study  
Acquisition  
Storm Sewer Repair  
Flood Proofing  
Ring Dikes  
FIS Restudy  
Outlet Construction  
H&H Restudy  
Flood Proofing  
Mapping  
Flood Mapping  
Lake Outlet Study  
Lake Outlet Project

**1998**

Breckenridge  
Cook  
Eagle Bend  
Marine WMO  
Moorhead  
Preston  
Wilson Township  
Chisago Lakes LID  
Red Lake WD  
Brown County  
Hegbert Township  
Pope Co./Walden Township  
Chatfield  
Stephen  
Spring Valley

Mapping  
Study  
Study  
Study  
GIS  
Study  
Bridge Reconstruct  
Study  
Ice Dusting  
Flood Proof Elevation  
Outlet  
Bridge Removal  
FIS Restudy  
Study  
FIS Restudy

**1997**

Dayton  
Eveleth  
Ada  
Polk County  
Mower County  
Chokio  
Marshall  
Stillwater  
Montevideo  
Rochester  
Lake Charlotte LID  
Pope County  
Stephen  
Cold Spring  
Two Rivers WD

Levee  
Watershed Study  
Levee Repair  
Acquisition  
Acquisition  
Impoundment  
COE Diversion Channel  
Floodwall  
Levee Improvement  
Watershed Control  
Lake Outlet  
Lake Outlet  
Levee  
Channel Improvements  
Impoundment

Roseau River WD  
Pope County  
Lake Charlotte LID  
Preston  
Stillwater  
Roseau WD  
Preston  
Virginia  
Jackson  
Two Rivers WD  
East Grand Forks  
Crookston

Ring Dikes  
Lake Outlet  
Lake Outlet Control  
Acquisition  
Lake Flood Study  
Flood Control Study  
Floodway Acquisition  
Culvert Upgrade  
Acquisition  
Impoundment  
Acquisition Plan  
COE Study

**1996**

Cottonwood County  
Hugo  
Stillwater  
Fridley  
Marshall Co. Townships  
Crookston  
Eagle Bend  
Valley Branch WD

Comfrey Diversion  
Lake Level Study  
Watershed Study  
Levee Analysis  
H/H Study  
COE Study  
Flood Study  
Flood Proofing

**Fiscal  
Year**

**Bonding Fund**

**General Fund**

Lake Charlotte LID

Lake Outlet Control

**1995**

Chaska  
Winona  
Red Lake WD  
Houston  
Stillwater  
Renville County

COE Levee Project  
COE Levee Project  
Impoundment  
COE Levee Project  
COE Levee Project  
Floodwater Retention

Mower County  
Adrian  
Cook  
St. Peter  
Moorhead  
Virginia

Watershed Study  
Flood Berm  
Impoundment Study  
Acquisition  
Acquisition  
Flood Control Study

**1994**

Stillwater

Floodwall

Delano  
Marshall Co. Townships  
Crookston  
Bayport  
Spring Valley  
Chippewa County  
Montevideo

Acquisition  
H/H Study  
COE Study  
Pond Outlet Control  
Bridge Removal  
Acquisition  
Acquisition

**1993**

Middle Des Moines WD  
Red Lake WD

Impoundment  
Impoundment

**1992**

Red Lake WD  
Crookston  
Winona  
Buffalo Creek WD  
Environmental Quality Board  
Rochester  
Middle River-Snake River WD  
Stockton  
Alvarado  
Marshall Co. Townships  
Breckenridge  
North Fork Crow River WD

Impoundment Study  
COE Study  
COE Levee  
Watershed Study  
H/H Study  
Floodplain Study  
Surveying  
Flood Proof/Acquisition  
COE Levee  
H/H Study  
Flood Proofing  
Lake Outlet

**1991**

Browns Valley  
East Grand Forks  
Red Lake WD  
Breckenridge  
Bassett Creek  
Chaska  
Springfield  
Middle River-Snake River WD  
Houston  
Lake Charlotte LID

Diversions/Impoundment  
Acquisition  
Impoundment  
Storm Sewer Shut-offs  
COE Project  
COE Levee  
Acquisition  
Ring Dikes  
COE Levee  
Lake Level Control

Bois de Sioux WD  
Norman County  
Breckenridge  
Anoka  
Centerville  
Minneapolis  
Roseau River WD  
Alvarado  
Wild Rice WD  
Joe River WD  
Roseau River WD  
Moorhead  
West Mississippi Commission

Watershed Study  
Warning Siren  
Flood Proofing  
Acquisition  
Watershed Study  
Bridge Study  
Levee Study  
COE Levee Project  
Ice Jam Study  
Ring Dikes  
Duxby Levee  
Acquisition  
Floodplain Study

**1990**

Alvarado  
Winona  
Chaska  
Bassett Creek  
Austin  
Stockton

COE Levee  
COE Levee  
COE Levee  
COE Project  
Acquisition  
Acquisition

Stearns County  
Inver Grove Heights  
Grand Marais  
Preston  
Henderson  
Marshall Co. Townships  
Grand Rapids  
Douglas County  
Bois de Sioux WD  
Two Rivers WD  
South St. Paul  
Roseau River WD  
Joe River WD  
Nine Mile Creek WD

Silt Removal  
Levee Study  
Stormwater Improvements  
Acquisition  
COE Levee  
H/H Study  
Stormwater Improvements  
Lake Outlet  
Watershed Study  
Impoundment Study  
Acquisition/Levee Study  
Levee Study  
Ring Dikes  
Acquisition

**1989**

Elba  
Watertown  
Zimmerman  
Two Rivers WD

Levee  
Acquisition  
Stormwater Improvements  
Impoundment Study

**Fiscal  
Year**

**Bonding Fund**

**General Fund**

Browns Valley  
Rochester  
Red Lake WD  
North Shore Management

Mitigation Study  
Watershed Study  
Impoundment  
Lake Superior Plan

**1988**

Red Lake WD Impoundment  
Red Lake WD Impoundment  
Bassett Creek COE Project  
Middle River-Snake River WD Ring Dikes  
Joe River WD COE Project  
Buffalo-Red River WD Impoundment  
Chisago County Lake Outlet  
Duluth Stormwater Improvements  
Lake Pulaski LID Acquisition  
Cambridge Acquisition  
St. Louis Park Flood Proofing  
Lake Charlotte LID Outlet Control  
Dawson Levee  
Lyon County Impoundments  
Douglas County Lake Outlet  
Henderson COE Levee  
Alvarado COE Levee  
Area II Projects Impoundments  
Houston COE Levee  
Two Rivers WD Nereson Impoundment

Anoka  
Douglas County  
Granite Falls  
Hanover  
Big Lake  
Montevideo  
Roseau River WD  
Two Rivers WD  
Richfield  
North Fork Crow River WD  
Browns Valley  
North Shore Management

Acquisition  
Lake Outlet  
Levee Study  
Floodplain Maps  
Acquisition  
Levee Study  
Levee Study  
Impoundment Study  
Mitigation Study  
Watershed Study  
Mitigation Study  
Lake Superior Plan

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