

APPENDIX K
BRRWD PROJECTS

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PROJ. NO.	DESCRIPTION	INFORMATION
1	Wilkin County Ditch No. 22	Thirteen-mile long ditch improvement project in Deerhorn, Mitchell & Wolverton Twps. Completed in 1982 at a cost of \$445,000.
2	Wilkin County Ditch No. 13	Four-mile long ditch improvement located in Deerhorn Twp. Completed in 1984 at a cost of \$146,000.
3	Clay County Ditch No. 65	Improvement project prompted by work completed by Skolness Farms to relocate a portion of this ditch. Located in Sections 9 & 10, Spring Prairie Twp. Completed in 1983 at a cost of \$26,700.
4	Clay County Ditch No. 51	Construction of a lateral ditch located in Sections 28 & 33, Kragnes Twp. Completed in 1986 at a cost of \$59,000.
5	Spring Creek Detention	Earthen fill dike with a concrete principal spillway and earthen emergency spillway. Drainage area: 5,312 acres. Temporary storage: 496 acre-ft. Project was completed in 1983 at a cost of \$191,600.
6	Hay Creek Detention Elkton Twp.	Proposed project is located in Section 14, Elkton Twp. Estimated project cost is \$679,000.
7	Clay County Ditch No. 39	Repair project in 1984 cleaned the ditch to its original grade, installed a 3:1 side slope on the field side and removed tree growth at a cost of \$230,000.
8	Stony Creek Detention	Located in Section 12, Humboldt Twp. Maximum storage: 3,600 acre-ft. at elevation 1139.0. Permanent pool: 345 acres at elevation 1135.0. Project drainage area: 26.1 sq. miles. Completed in 1985 at a cost of \$475,000.
9	Buffalo River Detention Site 1, Donley Detention	Proposed project is located in Section 14, Riceville Twp., Becker County.
10	Buffalo River Detention Site 2, Dale Detention	Proposed project is located in Section 25, Highland Grove Twp., Clay County.
11	Buffalo River Detention Site 3, Manitoba Junction Detention	Proposed project is located in Section 28, Highland Grove Twp., Clay County.
12	Clay County Ditch No. 66 - Establishment	Landowners wanted to establish a new ditch system in Kragnes & Morken Twps. In September, 1989 the landowners decided that the project was not needed and it was dismissed.
13	Hay Creek Detention Bjornson WLMA	Located in Sections 9, 10, 15, 22 & 23, Skree Twp., Clay Co. Drainage area: 33.6 sq. miles. Storage Area: 3,056 acre-ft., affecting 633 acres. Completed in 1989 at a cost of \$274,000.
14	Clay County Ditch No. 10	Located in Flowing, Morken & Kragnes Twps., the ditch is 13.7 miles long and outlets into the Buffalo River. Improvement project was completed in 1985 at a cost of \$578,000.
15	Hay Creek Detention Skree WLMA	Proposed project is located in Sections 13 & 18, Skree Twp., and Sections 18 & 19, Parke Twp., Clay Co.
16	Stinking Lake Detention	Located on Hay Creek in Section 30, Cuba Twp., Becker Co. Drainage Area: 24.1 sq. miles. Storage: 3, 934 acre-ft., of which 2,460 acre-ft. can be gated. Completed in 1990 at a cost of \$818,000.
17	Hamden Township Detention Sites	Proposed project was initiated by the Fish & Wildlife Service. It is located in Hamden Twp., Becker County.
18	Whisky Creek Detention	Proposed project involves 265 acres in Sections 25, 26, 35 & 36, Humboldt Twp., Clay Co. Because of DNR - Dam Safety concerns, the feasibility of this project is questionable.
19	Becker County Ditch No. 21	The project was coordinated with the Army Corps of Engineers (COE) and was completed in 1989 at a cost of \$154,000.
20	Clay County Ditch No. 12	The improvement project involved 6.4 miles of ditch located in Glyndon & Riverton Twps. Completed in 1987 at a cost of \$355,000.
21	Wilkin County Ditch No. 13 - Lateral	The Lateral starts at State Ditch No. 15 and traverses northwesterly along the alignment of a natural waterway, outletting into Ditch No. 13. Completed in 1988 at a cost of \$255,000.

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22	Deerhorn Creek Detention	The proposed project was initiated in 1986. Landowner concerns, wetland impacts and Environmental Impact Study findings will determine if the project is to continue.
23	Becker County Ditch No. 15	A relocation project in 1992 shortened the ditch by 2,800 feet, replacing two township road bridges with a culvert at a cost of \$75,000. Maintenance and repairs were done in 2001 including a cleanout of Branch 7 in Sections 17, 20, 21 and 28, Hamden Twp. and Branch 5 in Sections 21 and 28, Hamden Twp., Becker County.
24	Wilkin County Ditch No. 44	A project to straightened the ditch and removed the township road culverts between Sections 3 & 10, Manston Twp., Wilkin County was completed in 1995 at a cost of \$25,000.
25	Wilkin County Ditch No. 42	The improvement was completed in conjunction with Co. Road No. 188 work to improve drainage and reduce overland flooding of Deerhorn Creek. Completed in 1996 at a cost of \$195,000.
26	Buffalo River Streambank Erosion Control	This project repaired two erosion sites located along the Buffalo River, Section 6, Riverton Twp., and Section 1, Glyndon Twp., Clay County. Completed in 1993 at a cost of \$89,700.
27	Clay County Ditch No. 55	This project improved the existing ditch and developed a Lateral in Section 24, Elmwood Twp., Clay County. Completed in 1996 at a cost of \$409,000.
28	Clay County Ditch No. 2	This project, located in Moland and Spring Prairie Twps., Clay County, was completed in 1995 at a cost of \$645,000.
29	Buffalo River Log Jam Removal	Twenty five log jams were removed in 1998 at a cost of \$56,900. This project is ongoing as needed throughout the district.
30	Clay-Wilkin Judicial Ditch No. 1	A project in 1995 improved the easterly 8,900 feet of the main ditch, upstream of Branch No. 1 located in Sections 28, 29 & 30, Alliance Twp., Clay County at a cost of \$91,000.
31	Deerhorn Creek Flood Control Levees	This project helps to control flooding and enhance wildlife habitat along Deerhorn Creek by containing water within levees along 9 miles of a DNR protected watercourse in northern Wilkin County. Levees prevent water from breaking out and causing downstream flooding on Wilkin Co. Ditch No. 42. Project was constructed in 2000.
32	Hawley EDA Flood Control Diversion	This project, developed a diversion channel that intercepts 1.9 sq. miles of drainage area north and east of Hawley and diverts the flows around the town. Completed in 1998 at a cost of \$420,000.
33	Clay County Ditch No. 50 - EDA Concrete Liner	This project involved the installation of two miles of concrete channel bottom liner. Completed in 1998 at a cost of \$1,531,000.
34	Clay County Ditch No. 41 - EDA Concrete Liner	This project involved a concrete channel bottom liner starting at the BNSF railroad tracks south of Hwy. 10 and proceeding north through Regal Estates Mobile Home Park. Completed in 1998 at a cost of \$523,000.
35	Clay County Ditch No. 47 - Improvement	This ditch improvement project started at the BNSF railroad tracks and continued southerly to 12th Ave. S. Completed in 1998 at a cost of \$580,000.
36	Clay County Ditch No. 41 - EDA Lateral No. 2	This 1.5-mile long lateral provides drainage and flood control to the rapidly expanding cities of Moorhead & Dilworth. Completed in 1998 at a cost of \$228,000.
37	Clay County Ditch No. 41 - EDA Lateral No. 1	This 5-mile long stretch diverts water from Clay Co. Ditch No. 41. It includes an extension of Lateral No. 1.
38	DNR Farmstead Ringdikes	Construction began following 1997 spring flood and is ongoing. Landowners receive cost share to offset construction costs.
39	Georgetown Levee	Constructed in 1999.
40	Clay County Ditch No. 41 - Improvement	Petitioned for by American Crystal Sugar Co. and the City of Moorhead to improve the outlet north of 15th Ave. Constructed in 2000
41	Clay County Ditch No. 12 - Lateral No. 1	Petitioned for by landowners to create a lateral along a private ditch between Sections 27 & 28, Riverton Twp. Dismissed by petitioners in 2000.
42	Clay County Ditch No. 67	Petitioned for by landowners to add the ditch as a legal ditch system. Constructed in 2001.

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43	Clay County Ditch No. 30 - Improvement	Petitioned for by the City of Moorhead. Concrete channel liners were constructed in 1999.
44	Clay County Ditch No. 39 - Lateral	Petitioned for by landowners in 1998 to create a lateral to the existing ditch.
45	Clay County Ditch No. 2 - Lateral	
46	Turtle Lake Emergency Outlet	Landowners requested assistance with flooding in 1999. Constructed in 1999.
47	Clay County Ditch No. 53 - Improvement and Extension	Petitioned for by landowners in 2000. Constructed in 2002 - 2003.
48	Clay County Ditch No. 59 - Improvement and Extension	Petitioned for by landowners in 2000. Constructed in 2003.
49	Oakport Township Flood Mitigation Project	Currently under development. Project ordered entered in January 2009. Construction began in 2009.
50	Cromwell Township Highwater Project	Petitioned for by landowners in 2001.
51	Clay County Ditch No. 68 - Establishment	Petitioned for by the City of Glyndon in 2002. Constructed in 2006.
52	Clay County Ditch No. 69 - Establishment	Petitioned for by landowners in 2002. Constructed in 2003-2004.
53	Clay County Ditch No. 20 - Lateral	Petitioned for by landowners in 2001. Lateral located in Sections 19, 20 & 21, Kragnes Township.
54	Whisky Creek Tributaries Water Resource Management Project	Project development began in 1999 using the mediation Project Team approach. Constructed in 2004-2005.
55	Clay County Ditch No. 51 - Improvement	Petitioned for by landowners in 2003. Constructed in 2004.
56	Manston Slough Restoration Project	Developed using the mediation Project Team approach. Construction expected in 2010.
57	Moorhead Interstate No. 94 Flood Control Project	Drainage investigation requested by City of Moorhead in 2003. Petitioned for by City of Moorhead in 2004. Constructed in 2006.
58	Riverton Township Retention Project	Off-channel storage project located along Clay County Ditch No. 12 in the E 1/2 of Section 28, Riverton Twp., Clay Co. Drainage Area: 6.3 sq. miles. Storage: 270 acre-ft. Expected Completion in 2009.
59	Clay County Ditch No. 41 - Lateral 3	
60	Swede Grove Lake Outlet	Currently under development.
61	Clay County Ditch No. 11 North - Improvement	Construction completed in 2009.
62	Judicial Ditch No. 1, Branch No. 4 - Improvement / Extension	Petitioned for by landowners in 2007. Construction began in 2008. Construction completed in 2009.
63	Grove Lake Outlet	Landowners requested assistance with flooding in 2006. Constructed in 2008-2009.
64	LaBelle and Boyer Lakes Outlet	Currently under development.
65	County Line Outlet	Currently under development.
66	Tansem/Ranum Lakes Outlet	Currently under development.