

2 The 2010 River Dam Inventory



Dams, like the rivers and streams in which they are built, are not a constant. Some are wiped out in floods, never to return. Some are re-constructed with a new design or a new height, while others are patched. Others gradually fall into disrepair. A few remain stable long beyond their original design lifespans. Periodically, major data updates will be needed. The 2010 river dam inventory provides a snapshot of vital information for developing a mitigation plan for major rivers.

2a. Inventory Background

The 2010 inventory of low-head dams in Iowa began with the Iowa Conservation Commission's 1979 *Inland Dams Inventory*. For five years, additional data was added via the water trails program. When this plan was initiated, a review of existing GIS data and aerial photos was conducted in the study area. The list was reviewed against the National Inventory of Dams kept by the Iowa DNR floodplains program.

Study area: Major rivers

The study area was narrowed to streams that are clearly public resources (Code of Iowa, Chapter 462A.2.20; 462A.69). "Major rivers" for the purposes of this plan means:

- any flowing water with a watershed greater than 50 square miles
- in urbanized streams, a more conservative criteria of 25 square miles of watershed was used

Direct staff and volunteer observations, a survey of dam owners, additional calls to public managers, and intensive data entry, review, and updating led to the final inventory.

Categories of dams

To aid policy decision making and generalized priorities for public purposes, dams were categorized into the following:

Low-head dams: A river-wide dam that is normally overtopped by the entire river's flow; gates may or may not be present to reduce upstream flooding effects. Height is less than 30 feet.

Breached low-head dams: A low-head dam with a breached portion at some point across the width. These may be relatively low-hazard at low flows, but may have long portions that re-circulate at higher flows. Fish passage may or may not be consistent.

Large impoundment dams: Earthen dams that create a recreational lake upstream with a concrete chute or piped spillway, usually accompanied by an emergency overflow spillway. Height is 30 feet or greater.

Rock dams: Human-made structures of loose rock.

Minor low-head: Low-head dams with 1-foot or less of head that are known to submerge at relatively low river discharge levels.

Rubble dams: Human-made structures that often include waste concrete, rebar, rocks, bricks, and other waste building materials.

Seasonal wetland low-head: Adjustable height dams that are used seasonally by wildlife management authorities to seasonally flood floodplain wetlands. Not a planning priority.

Lake outflow structure: Outflow structures on natural lakes that manage lake levels; not a planning priority.

While rubble, rock dams, and lake outflow structures were identified as obstructions during the process of evaluating structure types, they were not included in the analysis, as they were considered out of scope of this study.

Table 2-a

Quick statistics: The 246 structures on major rivers

Types (# dams / category)	Ownership (# dams / category)
Low-head dams: 177	Private: 28
Breached low-head dams: 6	Cities: 77
Minor low-head dams: 4	State: 47
Large impoundment dams: 18	County conservation: 34
Stream Crossings: 8	Federal: 17
Seasonal wetland dams: 4	Unknown: 15
Rock and rubble dams: 29	

Why is this inventory different from the National Inventory of Dams?

The U.S. Army Corps of Engineers' 2009 National Inventory of Dams was used to document dams from a list of 3,374 dams. The purpose of this listing relates to hazard potential for structural failure, what the consequences of that would be, and inspect to avoid a catastrophe. Out of the total, 210 are listed as "significant" and 101 are listed as "high" hazard if failure would occur.

The highest hazard dams do not relate to the number of actual deaths at the dam, and no deaths have occurred due to dam failure to date. For the purpose of documenting the types of dams where deaths are actually occurring in Iowa, and which create the primary barriers for aquatic species, the National Inventory of Dams provides little overlap, as it does not require reporting for dams under 6 feet in height.

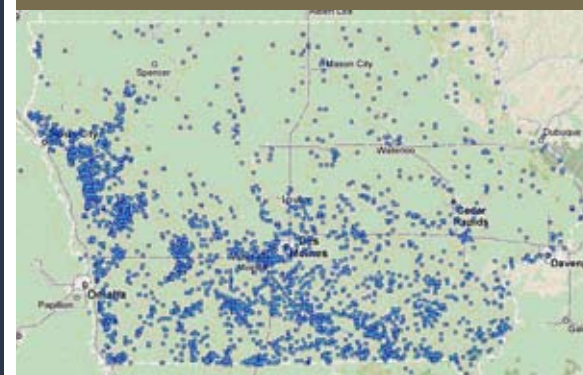


Figure 2-a: Iowa's 2009 National Inventory of Dams.

2b. Social considerations



Stakeholder groups and the public were surveyed or otherwise contacted about their views on dams. This data was used to determine planning direction.

Dam owners

Important among stakeholders in any discussion about dam mitigation are the owners of the dams. Dam owners, including state and county managers, municipal officials, and corporate or individual landowners were surveyed by mail in 2009, and 54 percent responded. Surveys were not sent to rock or rubble dam owners. Tallies of responses to various questions are included in this section and provide insight into views reported by the owners. Their most common reported problem (Figure 2-d) was upstream siltation. Majorities of respondents believed their dam was a barrier to navigation and fish passage, but a majority believed the dam had no role in reducing biodiversity (Figure 2-h). A majority of responses also indicated they would be “very open” or “somewhat open” to a modification on their dam.

Anglers

Dam owners reported fishing as the most common dam use. Anglers are often the most resistant to change at dams. After being listened to, and being

Table 2-b

Dam Owners' Most Common Responses		
Question	Most frequent answer	% of total responses
How open are you to considering a modification?	Very open	34
Current Stream Use	Fishing	71
Benefits Dam Provides at Area of Stream	Fishing	56
Why was the dam originally constructed - What was its purpose?	Mill / business function	24
What problems may exist with your dam?	Upstream siltation	45
How acceptable is the condition of the dam?	Somewhat acceptable	31

educated about benefits, they can become a mitigation project's strongest proponents. About 50 avid stream anglers responded to the internet survey. Of those, 96 percent fished 10 or more days per year, 44 percent reported fishing streams below river dams, and 20 percent reported fishing below lake dams. They spent 43 percent of their angling time wading, 22 percent at the stream edge, and 13.2 percent in non-motorized boats. A majority believed in balance mitigation approaches, whereas as 16 percent thought all dams should be removed.

Figure 2-b. Reported Openness to Modification, Dam Owners Survey

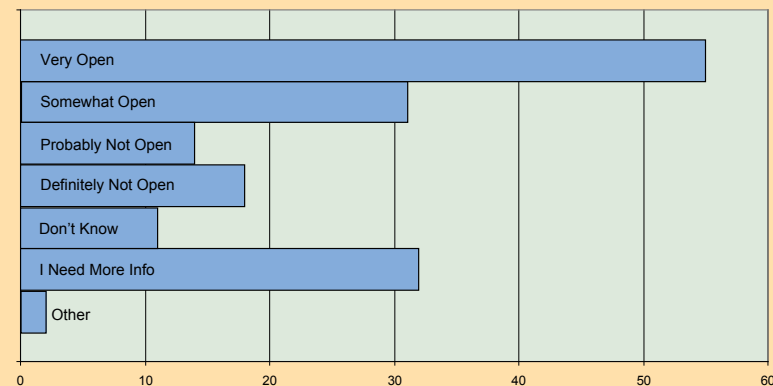


Figure 2-c. Reported Current Stream Uses, Dam Owners Survey

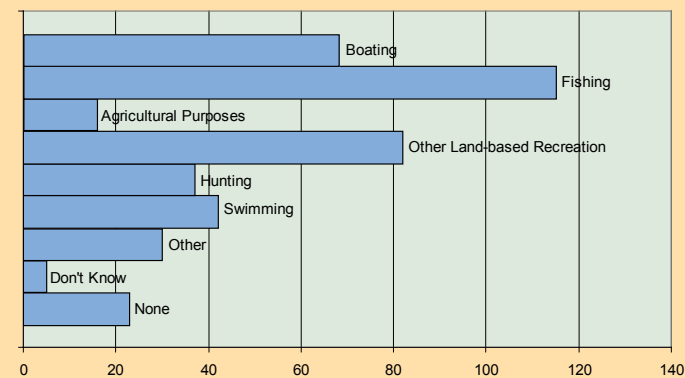
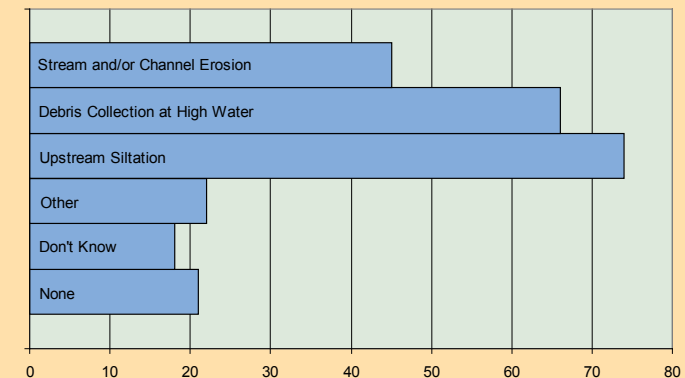


Figure 2-d. Reported Problems, Dam Owners Survey





What Iowans told us...

In the Iowa State University's CARD survey, *Iowa Rivers & River Corridors Recreation Survey*, a randomized sampling of Iowans were asked to rank issues ranging from water quality concerns to historic interests, to dam issues based on whether a statement would positively or negatively affect their decision to visit a given stream segment.

- 5 **positive**
 - 4
 - 3 **neutral**
 - 2
 - 1 **negative**
- Flowing stream section with no need to get around obstructions, such as dams and fences (3.4)
 - Stream with abundant game fish (3.4)
 - Streams with gently flowing water (3.3)
 - River section with adequate access for motor boats (2.7)
 - Stream dominated by carp and other rough fish (2.2)
 - Stream section with abundant algae (1.7)

Figure 2-h.

Navigation interests

In the CARD river usage survey (Figure 2-g), a randomized sampling of Iowans responded with general preference toward stream sections where there is no need to get around obstructions. One canoe, kayak, and livery owner mentioned dam safety being of concern in a 2009 survey, and others have mentioned the importance of reducing navigation hazards at livery trainings held annually.

Of the 327 paddlers who responded to the internet stakeholder survey, 61 percent favored a balanced approach to mitigation methods, 11 percent believed portages around dams should be emphasized over physical modifications, and 10 percent thought that all dams should be removed.

Among these groups, it is clear a plan with a strong bias toward dam removal would face limited support among key stakeholders.

Figure 2-e. Perceived Benefits, Dam Owners Survey

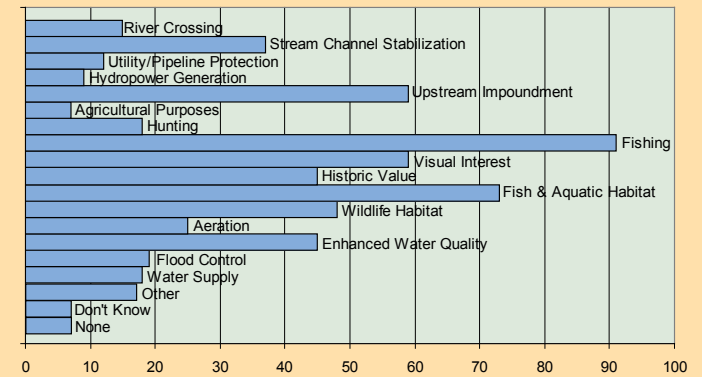


Figure 2-f. How Accepted is Dam Condition? Dam Owners Survey

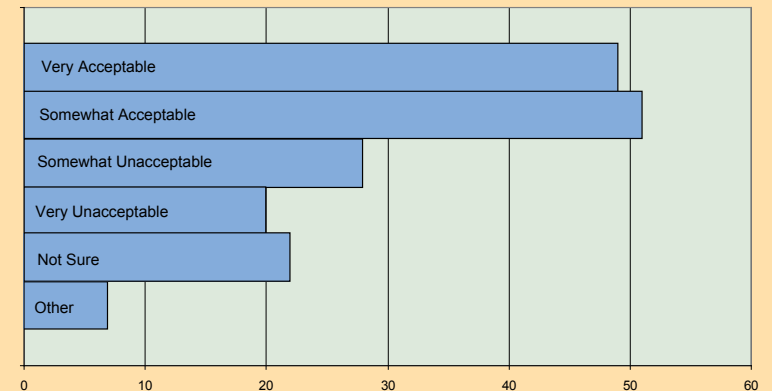
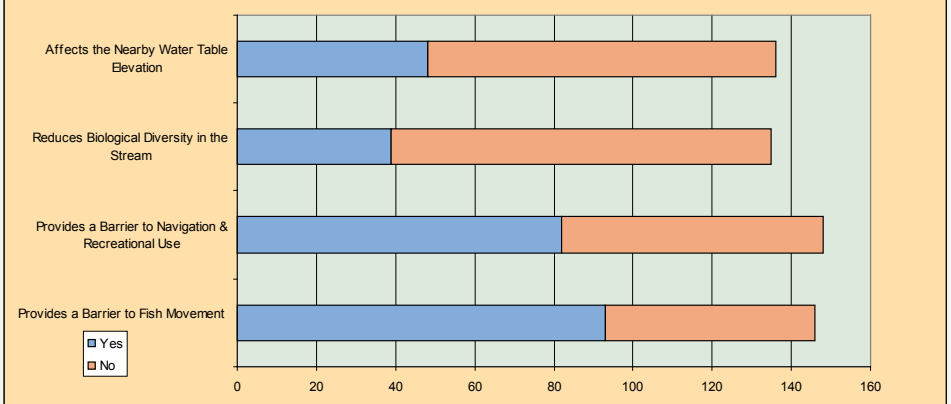
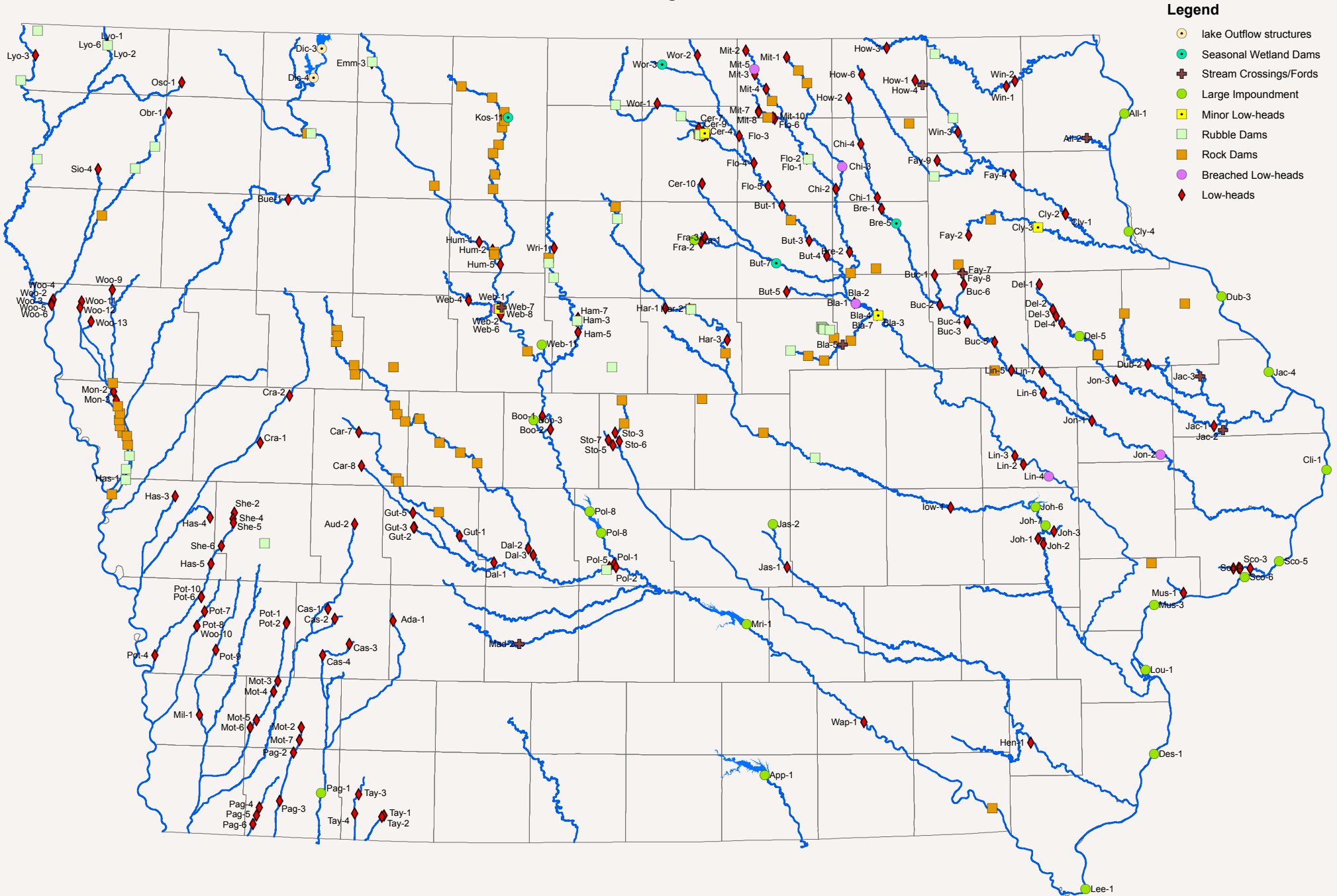


Figure 2-g. Reported Beliefs by Topic, Dam Owners Survey







Inventoried dams on major rivers

Figure 2-i. Map of inventoried dams in various classifications.



Low-head Dams

 Established portage around dam
  Asian carp barrier
  Known fatality #
  Hydroelectric

Low-head Dams												
Dam Map ID #	County	Stream	Location Description	Dam Name	Special condition	Condition	Height (ft)	Length (ft)	Ownership	Drainage Area	X UTMS	Y UTMS
Ada-1	Adair	West Fork Middle Nodaway River	Anita - 5.5 mi SE						Adair County Engineer		359064	4581622
Aud-2	Audubon	East Nishnabotna R	Audubon - 2 mi E	Audubon Waterworks Dam		Good	5	120	City of Audubon	83	343658	4620708
Bla-1	Black Hawk	Cedar River	Cedar Falls	Cedar Falls Dam/Center St. Dam	1	Good	12	342	City of Cedar Falls	4734	554282	4709820
Bla-3	Black Hawk	Cedar River	Waterloo	Park Avenue Dam	6	Good	12	414	City of Waterloo	5146	554377	4705201
Bla-4	Black Hawk	Cedar River	Waterloo	Sixth St. Dam		Poor	2	450	City of Waterloo	5146	554606	4704948
Boo-1	Boone	Des Moines River	Fraser	Fraser Dam	T	Good	6	240	City of Fraser	5483	419266	4664217
Boo-2	Boone	Des Moines River	Boone - 2.5 mi NW	Boone Waterworks Dam	T	Good	5	212	City of Boone	5510	422559	4658764
Bre-1	Bremer	Wapsipinicon River	Frederika	Frederika Dam	T	Good	6	60	Bremer County Conservation Board	328	556299	4748008
Bre-2	Bremer	Cedar River	Waverly	Waverly Dam	1	Good	11	310	City of Waverly	1549	543322	4730581
Buc-1	Buchanan	Little Wapsipinicon R (lower)	Fairbank	Fairbank Dam			12	289	City of Fairbank	125	577701	4721232
Buc-2	Buchanan	Wapsipinicon River	Littleton	Littleton Mill Dam	T	Good	9	280	Coventry with DNR easement	899	579839	4709144
Buc-3	Buchanan	Wapsipinicon River	Independence	Independence Low Dam	1	Fair	4	240	City of Independence	1048	590892	4701849
Buc-4	Buchanan	Wapsipinicon River	Independence	Independence Mill Dam		Good	12	270	City of Independence	1048	590870	4702468
Buc-5	Buchanan	Wapsipinicon River	Quasqueton	Quasqueton Dam	T	Good	6	210	City of Quasqueton	1142	601874	4694228
Buc-6	Buchanan	Otter Creek	Hazelton - 1 mi S	Fontana Lake Dam		Good	12	80	City of Hazelton	56	589487	4717441
Bue-1	Buena Vista	Little Sioux River	Linn Grove	Linn Grove Dam		Good	10	210	Buena Vista County Conservation Board	1548	316708	4751673
But-1	Butler	Shell Rock River	Greene	Greene Dam		Good	10	210	Butler County Conservation Board	1357	516118	4749189
But-3	Butler	Shell Rock River	Clarksville - 1.5 mi SW	Heery Woods Park Dam	T	Good	4	150	Butler County Conservation Board / Iowa DNR	1650	527091	4734985
But-4	Butler	Shell Rock River	Shell Rock	Shell Rock Mill Dam		Fair	5	215	Butler County Conservation Board	1746	534215	4728905
But-5	Butler	Beaver Creek	Parkersburg - N edge	Beaver Meadows Dam		Good	4	125	Butler County Conservation Board	264	517937	4714440
Car-7	Carroll	Middle Raccoon River	Carroll						City of Carroll		345259	4657839
Car-8	Carroll	Brushy Creek	Dedham - 2 mi NW	Mikkelsen Low Head Dam					Carroll County Engineer		346422	4644148
Cas-1	Cass	Troublesome Creek	NE corner Atlantic	Atlantic Waterworks Dam		Good	8	28.5	Atlantic Municipal Utilities	131	332736	4586364
Cas-2	Cass	Turkey Creek	Atlantic - 1 mi SE						Cass County Engineer		335536	4582191
Cas-3	Cass	Sevenmile Creek	Cumberland - 1 mi SW						Cass County Engineer		341530	4572096
Cas-4	Cass	Sevenmile Creek	Lewis - 5 mi SE						Cass County Engineer		330635	4567847
Cer-10	Cerro Gordo	Beaver Creek	Rockwell - 1 mi SW	Linn Grove Park Dam		Fair	5	50	Cerro Gordo County Conservation Board	35	483829	4758069
Cer-11	Cerro Gordo	Winnebago River	North part Mason City	12th Street Dam	1	Good	3	100	City of Mason City	526	484304	4778855
Cer-13	Cerro Gordo	Winnebago River	Mason City - E side	Illinois Street Dam		Good	2	632	City of Mason City	632	485982	4777823
Cer-18	Cerro Gordo	Willow Creek	Mason City	Jackson Avenue Dam		Good			City of Mason City	103	482826	4777689
Cer-19	Cerro Gordo	Willow Creek	Mason City - W side	Pierce Avenue Dam		Fair			City of Mason City	103	482012	4778136
Cer-5	Cerro Gordo	Willow Creek	Mason City - East Park	Fourth Street Dam		Good	2	40	City of Mason City	105	484993	4778066
Cer-6	Cerro Gordo	Willow Creek	Mason City - East Park	Lagoon Diversion Dam		Good	2	40	City of Mason City	105	484962	4777950
Cer-7	Cerro Gordo	Willow Creek	Mason City - East Park	East Park Slide Dam		Fair	4	40	City of Mason City	105	484869	4777880
Cer-8	Cerro Gordo	Willow Creek	Mason City	Rock Glen Dam		Fair	6	90	Abandoned	105	484388	4777555
Cer-9	Cerro Gordo	Willow Creek	Mason City	Pennsylvania Avenue Dam		Good	3	104	City of Mason City	105	483875	4777241
Chi-1	Chickasaw	Wapsipinicon River	Williamstown - 5 mi S	Buckley Rock Dam Ford		Excel	7	80	Bob Buckley	325	554510	4752224
Chi-2	Chickasaw	Cedar River	Nashua - above IA-346 bridge	Cedar Lake Dam		Excel	17	407	City of Nashua	1113	537862	4755951
Chi-4	Chickasaw	Little Wapsipinicon R (upper)	North Washington	North Washington Mill Dam		Fair	8	54	Chickasaw County Conservation Board	79	547951	4774072
Cly-1	Clayton	Turkey River	Elkader	Elkader Big Dam		Good	16	205	City of Elkader	891	630347	4746021
Cly-2	Clayton	Turkey River	Elkader	Elkader Little Dam		Good	2	235	City of Elkader	891	630534	4745773
Cra-1	Crawford	East (Branch) Boyer River	Denison - S side	Denison Dam		Poor	3	30	City of Denison	127	305468	4653599
Cra-2	Crawford	Boyer River	Kiron - 5 mi W						Crawford County Engineer		317397	4672613
Dal-1	Dallas	Middle Raccoon River	Redfield - West part	Redfield Dam		Good	9	110	City of Redfield	609	399742	4605029
Dal-2	Dallas	N. Raccoon River	Adel	Adel North Dam	T	Poor		142	City of Adel	2250	413797	4610588
Dal-3	Dallas	N. Raccoon River	Adel - NE side (Island Park)	Adel Island Park Dam		Good	12	163	City of Adel	2281	415571	4608109
Del-1	Delaware	Maquoketa River	Dundee - 2 mi N	Backbone Lake Dams		Good		110	State Conservation Commission	118	620037	4717512
Del-2	Delaware	Maquoketa River	Manchester - 1 mi NW	Quaker Mill Dam	T	Breached, 2010		196	Willard Hawker	157	625354	4707288
Del-3	Delaware	Maquoketa River	Manchester	Manchester Dam		Excel		154	City of Manchester	268	626704	4704459
Del-4	Delaware	Maquoketa River	Manchester - 2 mi SE	Pin Oak Park Dam		Fair	2	120	Iola Carr / USGS	305	629053	4701431
Dub-2	Dubuque	North Fork Maquoketa R	Cascade	Cascade Falls Dam		Good	1			207	663817	4684925
Emm-3	Emmet	(West Fork) Des Moines R	Estherville	South Riverside Park Dam		Poor	2	70	City of Estherville	1372	350539	4806732
Fay-2	Fayette	South Fork (or Little) Volga R	Maynard	Maynard Dam		Fair	5	40	City of Maynard	26	591421	4737080
Fay-4	Fayette	Turkey River	Clermont	Clermont Dam		Poor	5	110	City of Clermont	745	609362	4761457
Fay-7	Fayette	Otter Creek	Oelwein - S edge	Lake Oelwein Dam		Good	14	200	City of Oelwein	41	588877	4722156
Fay-9	Fayette	Little Turkey Creek	Wacouma	Wacouma Mill Dam			11	224			578689	4767349
Flo-1	Floyd	Cedar River	Charles City	Main Street Dam		Good	11	238	City of Charles City	1054	526029	4768226
Flo-2	Floyd	Cedar River	Charles City	Charles City Beauty Dam		Good	7	260	City of Charles City	1054	526235	4768075
Flo-3	Floyd	Shell Rock River	Nora Springs	Nora Springs Dam		Good	6	70	City of Nora Springs	499	498849	4777169
Flo-4	Floyd	Shell Rock River	Rockford	Rockford Dam		Poor	10	200	F.R. Ayers, Rockford, Co. Cons. Board	529	504685	4764605
Flo-5	Floyd	Shell Rock River	Marble Rock	Marble Rock Dam		Good	10	200	City of Marble Rock	1319	510516	4756982
Flo-6	Floyd	Rock Creek	Osage - 4 mi SSW	Rock Creek Ford		Fair	3			56	513061	4784395
Fra-2	Franklin	Spring Creek	Hampton - N edge	Harriman Park Dam		Fair	6	70	City of Hampton	32	483264	4734161
Fra-3	Franklin	Otter Creek	Hampton - 2 mi NNE	Robinson Park Dam		Poor	3	52	Franklin County Conservation Board	84	484900	4736223
Gru-3	Grundy	Blackhawk Creek	Grundy Center - NE part	Grundy Center Ford		Fair	3	56		56	519579	4690540
Gut-1	Guthrie	Middle Raccoon River	Panora - SW corner	Lenon Mill Dam		Fair	5	100	Guthrie County Conservation Board	434	385877	4615927
Gut-2	Guthrie	South Raccoon River	Guthrie Center - 5 mi WNW			Good		50	Northern Natural Gas Company	42	367757	4619169

Low-head Dams, cont.

T Established portage around dam ← Asian carp barrier ● Known fatality # ⚡ Hydroelectric

Gut-3	Guthrie	South Raccoon River	Guthrie Center - 5 mi WNW				Good				Northern Natural Gas Company	42	367439	4619351
Gut-5	Guthrie	Brushy Creek	Guthrie Center - 7 mi NW							0	Guthrie County Engineer		367115	4625099
Ham-3	Hamilton	Boone River	Webster City	Webster City Dam			Good		3	40	City of Webster City	660	433040	4702708
Ham-7	Hamilton	White Fox Creek	Webster City - 1/2 mi N	Kendall Young Park Ford			Good		2	50	City of Webster City	112	433729	4703812
Har-1	Hardin	Iowa River	Alden	Alden Dam		T	Good		10	208	City of Alden	638	469055	4707737
Har-2	Hardin	Iowa River	Iowa Falls - SE side	Iowa Falls Dam		⚡	Good		26	200	North American Hydro	667	478713	4707389
Har-3	Hardin	Iowa River	Steamboat Rock	Steamboat Rock Dam			Good		10	210	Iowa DNR	737	494024	4695118
Has-1	Harrison	Little Sioux River	Little Sioux - 4 mi NE	Sill #4			Deter		1	100	Corps of Engineers	3538	251265	4638886
Has-3	Harrison	Willow Creek	Woodbine - 5 mi NW	Miles Mann Flume			Excel			15	Harrison County - Road Dept.	69	271191	4631834
Has-4	Harrison	Willow Creek	Magnolia - 3.5 mi NE	Burkholder Flume			Excel		14	20	Harrison County - Road Dept.	108	285258	4623144
Has-5	Harrison	Mosquito Creek	Persia - 1 mi S	Mosquito Creek Flume			Excel			20	Harrison County - Road Dept.	97	285594	4604572
Hen-1	Henry	Skunk River	Mount Pleasant - 4 mi SW	Oakland Mills Dam		←	Good			160	Henry County Conservation Board	4001	616555	4532450
How-2	Howard	Little Wapsipicon R (upper)	Elma - (Lylah's Marsh)	Lylah's Marsh Dam			Good		10	70	Howard County Conservation Board	19	542999	4792547
How-3	Howard	Upper Iowa River	Lime Springs - 1 mi N	Lidtke Mill Dam			Good		12	120	Howard County Conservation Board	182	558363	4812675
How-6	Howard	Crane Creek	Sarasota - Lubbert Park	Sarasota Dam			Good				Howard County Conservation Board		548196	4802151
Hum-1	Humboldt	[West Fork] Des Moines R	Rutland	Rutland Dam			Good		13	200	Humboldt County Conservation Board	2233	393916	4734446
Hum-2	Humboldt	[West Fork] Des Moines R	Humboldt	Reasoner Dam			Good		15	300	Humboldt County Conservation Board	2256	399323	4731201
Hum-5	Humboldt	Des Moines River	Dakota City - 3.5 mi S	Corn Belt Power Dam			Good		5	196	Corn Belt Power Cooperative	3623	402488	4725315
low-1	Iowa	Iowa River	South Amana - 1.5 mi NW	Amana Millrace Diversion Dam		T	Good		9	178	Amana Colony	2829	584147	4627396
Jac-1	Jackson	Maquoketa River	Maquoketa - 1 mi W	Lakehurst Dam		T	Good		25	150	North American Hydro	1550	690455	4660133
Jas-1	Jasper	North Skunk River	North edge Lynnville	Wagaman Mill Dam		T	Good		10	84	Lynnville Historical Society	282	518105	4603275
Joh-1	Johnson	Iowa River	Coralville	Iowa River Power Company Dam			Good		10	280	Johnson County Conservation Board	3162	619490	4614591
Joh-2	Johnson	Iowa River	Iowa City	Burlington Street Dam			Good		11	300	University of Iowa	3271	621482	4612804
Joh-3	Johnson	Rapid Creek	Iowa City - 3.5 mi NE	Rapid Creek Gaging Dam						20	U.S.G.S.	25	625825	4617585
Jon-1	Jones	Wapsipicon River	Anamosa	Anamosa Dam		⚡	Fair		8	160	North American Hydro	1562	641246	4662424
Jon-3	Jones	Maquoketa River	Monticello - 1 mi NE	Mon-Maq Dam			Good		10	441	Jones County Conservation Board	657	650799	4679546
Lin-2	Linn	Cedar River	Cedar Rapids	C Street Roller Dam			Good			636	Alliant Energy	6510	613535	4644502
Lin-3	Linn	Cedar River	Cedar Rapids	5-in-1 Bridge & Dam		←	Excel			515	City of Cedar Rapids	6510	609967	4648291
Lin-5	Linn	Wapsipicon River	Troy Mills	Troy Mills Dam			Deter		6	280		1210	608612	4682632
Lin-6	Linn	Wapsipicon River	Central City	Pincon Ridge Park Dam			Good			240	Linn County Conservation Board	1263	621475	4673559
Lin-7	Linn	Buffalo Creek	Coggan	Buffalo Creek Park Dam			Good			130	Linn County Conservation Board	142	621022	4682232
Lyo-1	Lyon	Rock River	Rock Rapids - City Park	Rock Rapids Dam			Good		10	162	City of Rock Rapids	789	243699	4814228
Lyo-2	Lyon	Rock River	Rock Rapids - City Park	City Park East Channel Dam			Fair		5	74	City of Rock Rapids	789	243815	4813914
Lyo-3	Lyon	Big Sioux River	Klondike	Klondike Mill Dam		T	Good		12	175	S. Dak. Dept. of Schls & Land /Iowa DNR		214749	4809726
Lyo-6	Lyon	Rock River	Rock Rapids - City Park	City Park Big Ford			Poor		2		City of Rock Rapids	789	243751	4814225
Mil-1	Mills	Silver Creek	Malvern - 5 mi W								Mills County Engineer		280995	4543575
Mit-1	Mitchell	Little Cedar River	Stacyville	Stacyville Dam					8	80	Town of Stacyville	88	517921	4809106
Mit-10	Mitchell	Rock Creek	Osage - 4 mi SSW	Jersey Avenue Wier			Fair		2			56	512460	4784757
Mit-2	Mitchell	Cedar River	Otranto	Otranto Mill Dam					7	120	Mitchell County Conservation Board	656	501494	4811636
Mit-3	Mitchell	Cedar River	St. Ansgar - 1/2 mi SW	St. Ansgar Mill Dam			Fair		8	220	Sherwin Klienwart	780	505163	4802092
Mit-4	Mitchell	Cedar River	Mitchell	Mitchell Mill Dam		⚡	Good		20	120	Mitchell County Conservation Board	826	509624	4796156
Mit-7	Mitchell	Rock Creek	Rock Creek village	Rock Creek Village Ford			Good		3			41	506615	4787245
Mit-8	Mitchell	Rock Creek	Rock Creek village	Rock Creek Village Dam			Poor		6			46	506739	4786816
Mon-2	Monona	West Fork Ditch	Whiting - 5 mi NE #4	Bed Grade Control Structure					6	30	Little Sioux Drainage Dist.	597	246248	4674181
Mon-3	Monona	West Fork Ditch	Whiting - 4.5 mi ENE #3	Bed Grade Control Structure			Good		6	30	Little Sioux Drainage Dist.	600	247272	4670761
Mot-2	Montgomery	Tarkio Creek	Stanton - 1/2 mi. W	Stanton Dam			Good		10	80	Burlington Northern Railroad	49	322059	4538612
Mot-3	Montgomery	Walnut Creek	Elliot - 3 mi W	901 Sherman (HHRTS)							Montgomery County Engineer		312628	4557295
Mot-4	Montgomery	Walnut Creek	Elliot - 5 mi SW	2007 Sherman (Straton Church)							Montgomery County Engineer		310927	4553048
Mot-5	Montgomery	Walnut Creek	6 Miles SW of Red Oak	3307 Garfield (Flying "A")							Montgomery County Engineer		303982	4541539
Mot-6	Montgomery	Walnut Creek	9 Mi SW of Red Oak	805 West (Klookeys)							Montgomery County Engineer		301507	4538522
Mot-7	Montgomery	Tarkio River	4 mi SW city of Stanton	2007 3/4 (Bergulinds)							Montgomery County Engineer		321335	4533528
Mus-1	Muscatine	Pine Creek	Fairport - 3 mi. NE	Pine Creek Grist Mill Dam			Good		8	50	State Conservation Commission	38	678067	4592875
Obr-1	O'Brien	Floyd River	Sheldon - 1/2 mi N	Sheldon Waterworks Dam			Fair		4	40	City Sheldon	64	268563	4786537
Osc-1	Osceola	Otter Creek	Ashton	Ashton Dam			Fair		6	75	Chicago, Northwestern Railway	107	273800	4798888
Pag-2	Page	Tarkio River	Coburg - 6 Miles SE	83/5-20							Page County Engineer		318831	4528327
Pag-3	Page	Tarkio River	Yorktown - 3 mi SW	L-315-10							Page County Engineer		313327	4509051
Pag-4	Page	Middle Tarkio River	Coin - 3.5 mi NW	L-315-03							Page County Engineer		305098	4506188
Pag-5	Page	Middle Tarkio River	Coin - 4 mi W	HCA - 1							Page County Engineer		303919	4502996
Pag-6	Page	Middle Tarkio River	Northboro - 2 mi NW	EWP - IA - 73 - 88							Page County Engineer		302562	4499417
Pol-1	Polk	Des Moines River	Center Street, Des Moines	Center Street Dam (Des Moines)			Good			364	City of Des Moines	6245	448434	4604628
Pol-2	Polk	Des Moines River	Scott Street, Des Moines	Scott Street Dam		●	Good			440	City of Des Moines	9879	449011	4603272
Pol-5	Polk	Raccoon River	Des Moines - E Water Works	Fleur Drive Dam			Fair			205	DSM water works	3626	446449	4603218
Pot-1	Pottawattamie	Walnut Creek	Hancock - 9 mi ESE				Good			45	City of Council Bluffs	37	316270	4581037
Pot-10	Pottawattamie	Mosquito Creek	Neola - S side								Burlington Northern Railroad		281691	4591209
Pot-2	Pottawattamie	Walnut Creek	Hancock - 9 mi ESE				Excel			45	City of Council Bluffs	37	316166	4580464
Pot-4	Pottawattamie	Mosquito Creek	Council Bluffs - E side	Council Bluffs Dam			Good				Lake Manawa St. Park	230	262925	4567688
Pot-6	Pottawattamie	Mosquito Creek	Neola								Iowa D.O.T.		281691	4591209
Pot-7	Pottawattamie	Keg Creek	Neola - 4 mi SSE								Pottawattamie County Engineer		283094	4585449
Pot-8	Pottawattamie	Keg Creek	McClelland - 2.5 mi E								Pottawattamie County Engineer		279806	4579420
Pot-9	Pottawattamie	Silver Creek	Treynor - 3.5 NE								Pottawattamie County Engineer		287601	4569658
Sc0-1	Scott	Duck Creek	Davenport	Hickory Grove Rd Dam							City of Davenport		698366	4602844
Sc0-2	Scott	Duck Creek	Davenport	Washington St. Dam							City of Davenport		700465	4602897

Low-head Dams, cont.

Established portage around dam
 Asian carp barrier
 Known fatality #
 Hydroelectric

Sco-3	Scott	Duck Creek	Davenport	Marquette Rd Dam						City of Davenport			700986	4602859
Sco-4	Scott	Duck Creek	Davenport	Jersey Ridge Rd Dam						City of Davenport			705030	4602868
She-2	Shelby	Mosquito Creek	Panama - 2 mi. N	North Panama Dam		Good		20	40	Iowa D.O.T.		34	295038	4625270
She-4	Shelby	Mosquito Creek	Panama- NE	Panama High Tress Weir						Shelby County Engineer			294476	4622635
She-5	Shelby	Mosquito Creek	Panama - .5 mi SE	F-32 Weir						Shelby County Engineer			294702	4621317
She-6	Shelby	Mosquito Creek	Porthsmouth - 1 mi S	Bruch Weir						Shelby County Engineer			289764	4611843
Sio-4	Sioux	West Fork Floyd River	Maurice - 1 mi NNE	460th Street Ford		Good						127	240109	4763773
Sto-3	Story	Skunk River	Ames - 1/2 mi N	Sleepy Hollow/Hannum's Mill		1	Fair		50	U.S.G.S.		315	448761	4657551
Sto-5	Story	Squaw Creek	Ames	Lincolnway Gaging Dam			Fair		2	60	Ames Water and Pollution Control	204	447775	4652473
Sto-6	Story	Skunk River	Ames - E side	East River Valley Park / 13th St. Dam			Good		4	60	U.S.G.S.	323	450507	4654095
Sto-7	Story	Squaw Creek	Ames	Veenker Golf Course Ford			Fair		3			191	445867	4654584
Tay-1	Taylor	East 102 River	Bedford - E edge	Bedford Waterworks Dam			Good		6	40	City of Bedford	88	355447	4603117
Tay-2	Taylor	East 102 River	Bedford - S edge	Fairgrounds Dam			Excel		16	80	Spencer	90	354499	4602343
Tay-3	Taylor	West Fork 102 River	New Market - 3 mi E	Wind Mill Lake County Park							Taylor County Engineer		345241	4511652
Tay-4	Taylor	West Fork 102 River	New Market - 4.5 mi SE								Taylor County Engineer		343656	4503825
Wap-1	Wapello	Des Moines River	Ottumwa	Market Street Dam		9	Good		14	700	Ottumwa Water Works	13374	549105	4540671
Web-1	Webster	Des Moines River	Fort Dodge	Ft. Dodge Hydro Dam			Good		16	270	City of Fort Dodge	3753	401397	4707800
Web-2	Webster	Des Moines River	Fort Dodge	Little Dam		1	Good		8	366	City of Fort Dodge	4228	402432	4705278
Web-4	Webster	Lizard Creek	Clare - 3 mi S	Clare Gaging Dam			Good		2	60	U.S.G.S.	257	389567	4711101
Web-6	Webster	Des Moines River	Fort Dodge	Trestle Weir			Good		1	80	City of Fort Dodge	4228	402669	4705067
Web-8	Webster	Soldier Creek	Fort Dodge	Williams Drive Dam							City of Fort Dodge	37	402596	4707953
Win-1	Winneshiek	Upper Iowa River	Decorah - 6 mi NE	Upper Dam			Fair		16	123	DNR	584	606510	4797423
Win-2	Winneshiek	Upper Iowa River	Decorah - 11 mi NE	Lower Dam			Poor		25	300	DNR	629	610069	4799356
Win-3	Winneshiek	Turkey River	Ft. Atkinson - 1/2 mi. N	Weist Mill Dam		1	Deter		2	55	Weist Feed Mill Company	211	587127	4778732
Woo-10	Woodbury	Mud Creek	Moville - 1 mi NW								Woodbury County Engineer		279806	4579420
Woo-11	Woodbury	Big Whiskey Creek	Lawton - 3 mi NW			2					Woodbury County Engineer		233337	4710380
Woo-12	Woodbury	Big Whiskey Creek	Lawton - 3 mi W								Woodbury County Engineer		232755	4708088
Woo-13	Woodbury	Elliot Creek	Bronson - 1 mi NE								Woodbury County Engineer		237204	4702442
Woo-2	Woodbury	Floyd River	Sioux City	"6th Street Dam"			Good		3	75	City of Sioux City - Public Works	910	221645	4710627
Woo-3	Woodbury	Floyd River	Sioux City	"4th Street Dam"			Good		2	75	City of Sioux City - Public Works	911	221408	4710183
Woo-4	Woodbury	Floyd River	Sioux City	"11th Street Dam"			Good		3		City of Sioux City - Public Works	909	221983	4711261
Woo-5	Woodbury	Floyd River	Sioux City	"Dace Avenue Dam"			Good		7		City of Sioux City - Public Works	911	221241	4709581
Woo-6	Woodbury	Floyd River	Sioux City	"Dam at the Mouth"					3		City of Sioux City - Public Works	912	221253	4709003
Woo-9	Woodbury	Mud Creek	Moville - 3.5 mi NW								Woodbury County Engineer		245785	4715165
Wor-1	Worth	Winneshiek River	Fertile	Fertile Mill Dam		1	Good		11	114	Worth County Conservation Board	304	465772	4790195
Wor-2	Worth	Shell Rock River	Northwood	Northwood Dam		2	Good		2	35	City of Northwood	277	481901	4809881
Wri-1	Wright	Boone River	Goldfield	Goldfield Dam			Fair		5	50	City of Goldfield	418	424122	4731995

Breached Low-head Dams

Established portage around dam
 Asian carp barrier
 Known fatality #
 Hydroelectric

Dam Map ID #	County	Stream	Location Description	Dam Name	Special condition	Condition	Height (ft)	Length (ft)	Ownership	Drainage Area	X_UTMS	Y_UTMS	
Bla-2	Black Hawk	Cedar River	Cedar Falls	Clay Hole		Deter	3	410	City of Cedar Falls	4734	545776	4709665	
Chi-3	Chickasaw	Little Cedar River	Ionia - 2.5 mi W	Chickasaw Mill Dam		Fair	6	100	Chickasaw County Conservation Board	306	540357	4764758	
Jon-2	Jones	Wapsipinicon River	Oxford Mills - 1 mi S	Oxford Mills Dam		Deter		290	NA	1788	668918	4648642	
Lin-4	Linn	Cedar River	Palisades-Kepler Park	Palisades-Kepler Dam		4	Deter	8	780	Iowa DNR	6955	623836	4638984
Mit-5	Mitchell	Cedar River	St. Ansgar - 1.5 mi NW	Interstate Power Dam/Old power Dam		Deter				680	504979	4804227	
Web-5	Webster	Lizard Creek	Fort Dodge	Lizard Creek Mill Dam		Deter	1	30	City of Fort Dodge	437	400717	4707397	

Minor Low-head Dams

Established portage around dam
 Asian carp barrier
 Known fatality #
 Hydroelectric

Dam Map ID #	County	Stream	Location Description	Dam Name	Special condition	Condition	Height (ft)	Length (ft)	Ownership	Drainage Area	X_UTMS	Y_UTMS
Bla-7	Black Hawk	Cedar River	Waterloo	Pioneer Park Structure/Water Line		Fair	1	0	City of Waterloo	5146	554903	4704762
Cer-4	Cerro Gordo	Winneshiek River	Mason City - East Park	East Park Dam		Good	1	150	City of Mason City	526	484974	4778252
Cly-3	Clayton	Volga River	Volga City	Volga City Dam		Deter	1		NA	261	619481	4740275
Web-10	Webster	Soldier Creek	Fort Dodge	Armstrong Park Dam		Fair			City of Fort Dodge	37	402142	4707481

Above-grade Fords and Crossings on Major Rivers

⌄ Established portage around dam 🐟 Asian carp barrier ● Known fatality # ⚡ Hydroelectric

Dam Map ID #	County	Stream	Location Description	Dam Name	Special condition	Condition	Height (ft)	Length (ft)	Ownership	Drainage Area	X_UTMS	Y_UTMS
All-2	Allamakee	Yellow River	Waterville - 5 miles S	Wilson Rd Ford				8	Warner		639082	4776285
Bla-5	Black Hawk	Blackhawk Creek	Hudson - West	Heritage Farm Crossing		Fair			Hudson Farms	280	540617	4692910
Fay-8	Fayette	Otter Creek	Oelwein - S edge	Low Flow Bridge		Good		2	City of Oelwein	41	588935	4721828
How-4	Howard	Turkey River	Cresco - 3.5 mi SSE	King's Road Ford		Good		1	Howard County Conservation Board	78	572832	4797650
Jac-2	Jackson	Prairie Creek	Maquoketa - SE corner	Prairie Creek Ford						44	694066	4658460
Jac-3	Jackson	Lytle Creek	Swingle - 5 mi SW	Lytle Creek Ford		Fair		3		67	684940	4680182
Mad-2	Madison	Middle River	Winterset - 3 mi SW	Pammel Park Ford		Good		3	Iowa DNR	230	410011	4572112
Web-7	Webster	Soldier Creek	Fort Dodge	Snell-Crawford Park Fords					City of Fort Dodge	37	402933	4708007

Large Impoundment Dams

⌄ Established portage around dam 🐟 Asian carp barrier ● Known fatality # ⚡ Hydroelectric

Dam Map ID #	County	Stream	Location Description	Dam Name	Special condition	Condition	Height (ft)	Length (ft)	Ownership	Drainage Area	X_UTMS	Y_UTMS
Boo-3	Boone	Bluff Creek	Ogden - 4.5 mi N	Don Williams Lake Dam		Good	45	60	Boone County Conservation Board	33	415842	4662648
Del-5	Delaware	Maquoketa River	Delhi - 1.5 mi SSW	Lake Delhi Dam		Breached, July 2010	38	110	Lake Delhi Recreation Assoc.	347	636151	4696412
Fra-1	Franklin	Spring Creek	Hampton - 1.5 mi NW	Beed's Lake Dam		Good	35	240	Iowa DNR	32	480701	4735300
Jas-2	Jasper	Rock Creek	Rock Creek State Park	Rock Creek Lake Dam		Good	33	200	Iowa DNR	41	512328	4620575
Joh-6	Johnson	Mill Creek	Lake MacBride State Park	Lake MacBride Dam		Good	30	150	US Army Corps of Engineers	27	618464	4627705
Pag-1	Page	West Nodaway River	Clarinda	Clarinda Dam		Good	6	130	City of Clarinda	762	329981	4512057
Pol-7	Polk	Big Creek	Polk City - 1 mi WNW	Big Creek Spillway		Excel	97	100	Big Creek St. Park/ACE	80	438434	4625800
Web-11	Webster	Brushy Creek	Lehigh - 4 mi ENE	Brushy Creek Dam		Excel	80	180	Iowa DNR	88	419114	4693170
All-1	Allamakee	Mississippi River	Harpers Ferry	Mississippi Lock and Dam 9		Good			US Army Corps of Engineers	654257	4786194	
App-1	Appanoose	Chariton River	Lake Rathbun	Rathbun Dam	🐟	Good			US Army Corps of Engineers	509022	4519271	
Joh-7	Johnson	Iowa River	Coralville	Coralville Dam	🐟	Good			US Army Corps of Engineers	622380	4620217	
Pol-8	Polk	Des Moines River	Des Moines	Saylorville Dam	🐟	Good	126	7180	US Army Corps of Engineers	443112	4617155	
Mri-1	Marion	Des Moines River	Pella - 1.5 mi SW	Red Rock Reservoir Dam	🐟	Good	118	6200	US Army Corps of Engineers	501821	4580108	
Cly-4	Clayton	Mississippi River	Clayton - E	Mississippi River Lock & Dam No. 10		Good			US Army Corps of Engineers	655950	4738784	
Dub-3	Dubuque	Mississippi River	Dubuque - NE	Mississippi River Lock & Dam No. 11		Good	43	5130	US Army Corps of Engineers	4712432	4712432	
Jac-4	Jackson	Mississippi River	Bellevue - E	Mississippi River Lock & Dam No. 12		Good	44	8577	US Army Corps of Engineers	712583	4681962	
Cl-1	Clinton	Mississippi River	Clinton - NE	Mississippi River Lock & Dam No. 13		Good	44	9999	US Army Corps of Engineers	735834	4642417	
Sco-5	Scott	Mississippi River	Between Bettendorf / Le Claire	Mississippi River Lock & Dam No. 14		Good			US Army Corps of Engineers	716795	4605779	

Lake Outflow Structures & Seasonal Low-head Dams

⌄ Established portage around dam 🐟 Asian carp barrier ● Known fatality # ⚡ Hydroelectric

Dam Map ID #	County	Stream	Location Description	Dam Name	Special condition	Condition	Height (ft)	Length (ft)	Ownership	Drainage Area	X_UTMS	Y_UTMS
Dic-3	Dickinson	Spirit Lake Outlet	Orleans	Spirit Lake Outlet		Excel	4		Iowa DNR	76	330372	4812533
Dic-4	Dickinson	Okoboji Lake Outlet	Milford - NE corner	Okoboji Lake Outlet	🐟	Excel			Iowa DNR	144	327142	4800857

Seasonal Wetland Dams

Dam Map ID #	County	Stream	Location Description	Dam Name	Special condition	Condition	Height (ft)	Length (ft)	Ownership	Drainage Area	X_UTMS	Y_UTMS
Bre-5	Bremer	East Fork Wapsipinicon R	Tripoli - 1.5 mi NE	Sweet Marsh Dam					Iowa DNR (Sweet Marsh WMA)	148	562245	4742108
But-7	Butler	West Fork Cedar River	Allison - 4 mi SSW	Big Marsh Diversion Dam		Good	5		Iowa DNR (Big Marsh WMA)	708	513740	4725785
Kos-11	Kossuth	Buffalo Creek	Burt - 3 mi ENE	Buffalo Creek Dam		Excel	13	150	Union Slough National Wildlife Refuge	160	405575	4784716
Wor-3	Worth	Elk Creek	Joice - 3.5 mi NE	Elk Creek Game Mgmt Dam 1		Good	18	60	Iowa DNR (Elk Creek Marsh)	32	467620	4806032

Rock Dams & Rubble Dams

Established portage around dam
 Asian carp barrier
 Fatality #
 Hydroelectric

Dam Map ID #	County	Stream	Location Description	Dam Name	Special condition	Condition	Height (ft)	Length (ft)	Ownership	Drainage Area	X_UTMS	Y_UTMS
Bla-6	Black Hawk	Blackhawk Creek	Hudson	Hudson Ford		Good	3	0		302	543907	4694687
Bre-3	Bremer	Quarter Section Run	Denver	Denver Dam		Fair	3	50	City of Denver	49	553973	4723679
Bre-6	Bremer	Cedar River	Janesville	Janesville Rock Dams		Fair	3			1661	543790	4721866
Buc-7	Buchanan	Wapsipinicon River	Quasqueton	Quasqueton Rock Beauty Dam		Good	3		City of Quasqueton	1142	601890	4682632
But-2	Butler	Shell Rock River	Greene - 5 mi SE	Camp Comfort Rock Dam		Good	4	200	Butler County Conservation Board	1454	519737	4743346
Cal-1	Calhoun	Lake Creek	Lake City - 2 mi E & 2 mi N	Lake Creek Rock Dam		Fair	2		Walt Trotter	114	359175	4683901
Car-1	Carroll	N. Raccoon River	Lanesboro - 1.5 mi S	Lanesboro Rock Dam		Good	4	104	Carroll County Conservation Board	1256	359816	4668637
Car-2	Carroll	N. Raccoon River	Glidden - 5 mi NNE	Merritt Access Rock Dam		Good	4	100	Carroll County Conservation Board	1259	360880	4665143
Car-3	Carroll	N. Raccoon River	Glidden - 5 mi ENE	Bennett Access Rock Dam		Good	5	150	Carroll County Conservation Board	1344	363924	4662182
Car-4	Carroll	Middle Raccoon River	Coon Rapids - 1/2 mi N	Pasture Rock Dam		Fair	1			222	362098	4638944
Car-5	Carroll	Middle Raccoon River	Coon Rapids - E edge	Riverside Park Rock Dam		Good	3			223	361327	4637571
Cer-2	Cerro Gordo	Winnebago River	Mason City - NE part	Decker Dam		Gone	1	120	City of Mason City	499	484370	4779320
Chi-5	Chickasaw	Little Turkey River	Jerico - 5 mi E	Saude Park Rock Dam		Poor	2	40	Chickasaw County Conservation Board	38	567466	4782377
Cla-1	Clay	Little Sioux River	Spencer - W side	West Spencer Rock Dam		Poor	1	60	Wilson Cornwall	546	324406	4778469
Del-6	Delaware	Maquoketa River	Hopkinton (SW channel)	Hopkinton Dam - Main Channel		Good	7	150	Delaware County	506	643547	4688742
Del-7	Delaware	Maquoketa River	Hopkinton (NE channel)	Hopkinton Dam - Side Channel		Good	4			506	643643	4689052
Dub-1	Dubuque	Little Maquoketa River	Sundown Ski Area	Sundown Rock Dam		Good	8			50	678555	4709672
Dub-5	Dubuque	North Fork Maquoketa R	Dyersville - N side	Second Street Rock Dam		Good	3			80	654262	4705688
Fay-3	Fayette	Volga River	Fayette - 1.5 mi E	Langerman's Ford		Fair	2	50		140	600357	4743625
Fay-5	Fayette	Otter Creek	Oelwein - 1/4 mi W	Red Gate Park Rock Dam		Good	3	75	City of Oelwein	33	587233	4725305
Gre-1	Greene	North Raccoon River	Ripley - 5 mi WNW	Squirrel Hollow Rock Dam		Good	4	140	Greene County Conservation Board	2027	392991	4645068
Gre-2	Greene	North Raccoon River	Churdan - 5.5 mi SW	Hyde Park Rock Dam		Good	4		Greene County Conservation Board	1552	369707	4663275
Gre-3	Greene	North Raccoon River	Jefferson - 4 mi W	McMahon Access Rock Dam		Good	3		Greene County Conservation Board or DNR	1596	377893	4653433
Gre-4	Greene	North Raccoon River	Jefferson - 1 mi S	Henderson Park Rock Dam		Good	3		Greene County Conservation Board	1619	386155	4649373
Gru-1	Grundy	Blackhawk Creek	Morrison - 1/2 mi N	Morrison Rock Dam		Poor	1	60	Grundy County Conservation Board	90	526686	4688530
Gru-2	Grundy	Blackhawk Creek	Reinbeck - N edge	Reinbeck Rock Dam		Good	2	75	City of Reinbeck	135	533099	4686651
Gru-5	Grundy	North Fork Blackhawk Creek	Dike - 5 mi SE	Lower North Fork Rock Dams						87	537097	4695776
Gut-4	Guthrie	Middle Raccoon River	Springbrook St Pk - W side	Springbrook Park Rock Dam		Good	2			385	377598	4625437
Har-4	Hardin	Iowa River	Eldora - SE part	Eldora Dam		Deter	2	160	City of Eldora	764	493249	4689522
Har-6	Hardin	Iowa River	Iowa Falls - SE side	Wastewater Plant Rock Dam		Good	3		City of Iowa Falls	677	479228	4707356
Has-2	Harrison	Little Sioux River	At mouth - W of I-29 bridge	Little Sioux Delta Sill Dams		Good	7		Corps of Engineers or DOT	3554	245638	4632737
How-1	Howard	Turkey River	Cresco - (Vernon Springs)	Vernon Springs Dam		Fair	8	150	Howard County Conservation Board	73	569837	4799746
Hum-3	Humboldt	[West Fork] Des Moines R	Humboldt	Water Plant Rock Dam		Good	3	200	City of Humboldt	2256	399836	4730589
Hum-4	Humboldt	[West Fork] Des Moines R	Humboldt	Humboldt Lower Rock Dam		Fair	2	200	City of Humboldt	2256	400034	4729534
Kos-1	Kossuth	E Fork Des Moines R	Algona - 2 mi N	Plum Creek Dam		Good	2	65	Kossuth County	876	401780	4773836
Kos-10	Kossuth	E Fork Des Moines R	Burt - 2 mi E & 2 mi S							641	403171	4780676
Kos-2	Kossuth	E Fork Des Moines R	Seneca - 1.5 mi N	Seneca Access Rock Dam		Poor		35		315	386671	4797301
Kos-4	Kossuth	E Fork Des Moines R	Algona	Algona Rock Dam		Good	2	60	State of Iowa	883	399379	4770331
Kos-5	Kossuth	E Fork Des Moines R	St. Joseph - 6 mi N	Highway 169 Rock Dam		Good	3	60	State of Iowa	937	400173	4761678
Kos-6	Kossuth	E Fork Des Moines R	St. Joseph - 2 mi N	Devine Wildlife Area Rock Dam		Good	2	80	Kossuth County Conservation Board	992	399399	4755570
Kos-7	Kossuth	E Fork Des Moines R	Bancroft - 1.5 mi WSW							350	399097	4792614
Kos-8	Kossuth	E Fork Des Moines R	Burt - 2 mi E & 2 mi N							447	404028	4786901
Kos-9	Kossuth	E Fork Des Moines R	Burt - 2 mi E	Patterson Rec Area Rock Dam		Good	3	60	Kossuth County Conservation Board	636	403989	4783266
2-Mar	Marshall	Iowa River	Marshalltown - NE part	Riverview Park Rock Dam		Good	3			1532	508670	4657431
4-Mar	Marshall	Minerva Creek	St Anthony - 4.5 mi N	Minerva Creek Rock Dam		Good				41	483891	4671013
Mit-11	Mitchell	Little Cedar River	Little Cedar	Little Cedar Rock Dam		Fair	2			110	522697	4803717
Mit-12	Mitchell	Little Cedar River	Brownsville/Pioneer Park	Brownsville Rock Dam		Fair	1			126	526118	4798562
Mit-6	Mitchell	Cedar River	Osage - 1.5 mi SW	Spring Park Beauty Dam		Fair	3			832	512099	4791305
Mit-9	Mitchell	Rock Creek	Osage - 4 mi SW	Quarry Rock Dam		Fair	8			55	510382	4784693
Mon-1	Monona	West Fork Ditch	Whiting - 6 mi. NE #5			Fair	4	20	Little Sioux Drainage Dist.	405	245892	4677424
Mon-10	Monona	Monona-Harrison Ditch	Onawa - 3.5 mi E							743	249943	4657525
Mon-11	Monona	Monona-Harrison Ditch	Onawa - 3.5 mi ENE			Good				741	248851	4660007
Mon-12	Monona	Monona-Harrison Ditch	Onawa - 3.5 mi NE			Good				740	248608	4662750
Mon-4	Monona	West Fork Ditch	Whiting - 5.5 mi ESE #1			Good	6	30	Little Sioux Drainage Dist.	604	248933	4665279
Mon-5	Monona	West Fork Ditch	Whiting - 5 mi E (#2?)			Fair	2			602	248038	4668227
Mon-8	Monona	Monona-Harrison Ditch	Onawa - 4.5 mi SE			Good				746	252073	4652678
Mon-9	Monona	Monona-Harrison Ditch	Onawa - 4 mi ESE			Good				745	251613	4656264
Mus-2	Muscatine	Mud Creek	Wilton - S edge	Wilton Junction Ford						99	665213	4604924
Pal-3		W. Fork Des Moines	West Bend - .35 mi W	Rock Rapids 3							375775	4757204
Ply-1	Plymouth	Floyd River	Le Mars - 1 mi N	Le Mars Rock Dam		Fair				320	241653	4745090
Sac-1	Sac	N. Raccoon River	Sac City - N edge	Sac City Rock Dam		Fair		60	City of Sac City	342	336364	4699021
Sac-2	Sac	N. Raccoon River	Sac City - 2 mi S Hagge Park	Hagge Park Rock Dam		Good		70	Sac County Conservation Board	697	336097	4694014
Sac-3	Sac	N. Raccoon River	Auburn - 1 mi NW Grant Park	Grant Park Rock Dam		Good		90	Sac County Conservation Board	844	343776	4680980
Sac-4	Sac	N. Raccoon River	Sac City - S edge	Sac City Access Rock Dam						355	336887	4696512
Sac-5	Sac	N. Raccoon River	Auburn - 4 mi NW	Whitehorse Access Rock Dam						833	343496	4684817
Sto-1	Story	Skunk River	Story City	Story City Dam		Good		100	U.S.G.S.	180	451553	4670615
Sto-8	Story	Skunk River	Ames - 5 mi N & 2 mi E	Soper's Mill Rock Dam		Good	3		U.S.G.S.	260	452426	4661347
Van-1	Van Buren	Des Moines River	Bonaparte	Bonaparte Lock & Dam		Deter	4	390	City of Bonaparte	14118	600942	4605777
Web-3	Webster	Des Moines River	Lehigh	Lehigh Rock Dam		Fair	4	160	City of Lehigh	4335	413419	4690371
Wri-2	Wright	Boone River	Goldfield - 2.5 mi SW	240th Street Rock Dam		Deter	1	40	Abandoned	440	421910	4728149
Wri-8	Wright	West Branch Iowa River	NNW of Belmont	West Branch Rock Dams		Fair/Poor			NA	148	448920	4748619

Rubble Dams

↕ Established portage around dam ↗ Asian carp barrier ● Known fatality # ⚡ Hydroelectric

Dam Map ID #	County	Stream	Location Description	Dam Name	Special condition	Condition	Height (ft)	Length (ft)	Ownership	Drainage Area	X_UTMS	Y_UTMS
Cer-12	Cerro Gordo	Winebago River	Wheelerwood	Wheelerwood Mill Dam	●2	Deter	1		NA	436	475394	4785441
Cer-17	Cerro Gordo	Willow Creek	Mason City	Monroe Avenue Rock Dam		Fair			City of Mason City	103	482905	4777686
Cla-3	Clay	Little Sioux River	Spencer	Leach Park Dam		Fair	1		City of Spencer	990	326056	4778191
Emm-2	Emmet	[West Fork] Des Moines R	Estherville	Swinging Bridge Rock Dam		Fair	3	65	City of Estherville	1372	350674	4807334
Fay-6	Fayette	Crane Creek	Alpha	Johnson's Mill Dam		Poor	1			176	577546	4760841
Flo-7	Floyd	Cedar River	Charles City - St Mary's Park	Charles City Gaging Dam		Fair	1			1054	526601	4767758
Ham-4	Hamilton	Boone River	Webster City	Ice Plant Dam/Zubes		Deter	1	120	City of Webster City	790	433354	4702692
Ham-5	Hamilton	Boone River	Webster City - 2.5 mi S	Briggs Woods Gaging Dam		Fair	1	200	U.S.G.S.	844	433681	4698085
Ham-9	Hamilton	West Fork Skunk River	Jewell	Jewell Dam		Deter	1			66	447523	4684136
Har-5	Hardin	Iowa River	Iowa Falls - SE side	Woolen Mill Diversion Dam		Deter	1			677	479433	4707156
Has-6	Harrison	Little Sioux River	Little Sioux - 4 mi NE	Old Little Sioux Dam		Excel	16	220	Corps of Engineers	4441	251260	4638593
Lyo-4	Lyon	Blood Run Creek	Larchwood - 5 mi. NW	Blood Run Dam		Deter	1	50	Ronald Dubbelde	27	215592	4819733
Lyo-5	Lyon	Big Sioux River	Canton, SD	Canton Dam		Fair	4		City of Canton		208853	4799872
Lyo-7	Lyon	Rock River	Rock Rapids - City Park	City Park West Channel Dam		Good	2		City of Rock Rapids	789	243799	4813974
Mon-6	Monona	Monona-Harrison Ditch	Blencoe - 4 mi ESE			Good	4			764	251367	4642842
Mon-7	Monona	Monona-Harrison Ditch	Blencoe - 5 mi E			Good				759	252710	4647992
Pol-6	Polk	Raccoon River	Des Moines	Waterworks Park Rock Dam		Fair	3			3625	445301	4602080
She-1	Shelby	West Nishnabotna River	Harlan - SE edge	Harlan Waterworks Dam		Deter	1	65	City of Harlan	312	307265	4612847
Sio-1	Sioux	Floyd River	Hospers	Hospers Dam		Fair	3	38	City of Hospers	230	263052	4773095
Sio-2	Sioux	Floyd River	Alton	Alton Dam		Good	5	70	City of Alton	265	255083	4764072
Sio-3	Sioux	Big Sioux River	Hawarden	Hawarden Mill Dam		Poor		60	Sioux Co. Cons. Bd./City of Hawarden		215413	4767848
Tam-4	Tama	Iowa River	Meskwaki Settlement	Tama Hydraulic Diversion Dam		Deter	2			1872	529403	4647282
Web-9	Webster	Soldier Creek	Fort Dodge - 7th St	Seventh Street Dam		Fair	4		City of Fort Dodge	37	402081	4707415
Wib-1	Winnebago	Winebago River	Forest City	Forest City Dam		Fair	4	60	City of Forest City	234	448811	4789872
Win-4	Winneshiek	Upper Iowa River	Kendalville	Kendalville Dam		Deter	2		Winneshiek County Conservation Board	273	577862	4810318
Win-5	Winneshiek	Turkey River	Spillville	Spillville Mill Dam		Deter	1			177	585231	4784441
Wri-3	Wright	Boone River	Eagle Grove - 2 mi SW	Sportsman Area Rock Dam		Fair	3	40	Wright County Conservation Board	499	423961	4720091
Wri-5	Wright	Iowa River	Belmond	Main Street Dam (Belmond)		Deter	3	40	City of Belmond	347	449538	4743917
Wri-7	Wright	Boone River	Eagle Grove - 2 mi NW	Three Rivers Trail Dam						454	421953	4725910



Rock dams. Dams consisting of loose rock have been constructed on various streams around the state to impound water, create stream crossings, or to improve fish habitat. This rock dam is at the Bennett Access on the Raccoon River.

Crossing dams. Various types of crossing structures impound water. Some may recirculate like low-head dams at certain flows. Other navigation hazards can arise, such as these culvert pipes on the Yellow River, where reported incidents of people being sucked through tubes rose after an innertube livery opened.



