



**Souris-Red-Rainy
Water Resource Region 09
HUC6 Level Watersheds**

Source: U.S. Geological Survey

**Souris-Red-Rainy
Water Resource Region 09**

Watershed Name	Hydrologic Unit Code
Souris	090100
Upper Red	090201
Devils Lake-Sheyenne	090202
Lower Red	090203
Rainy	090300
Upper South Saskatchewan River	090400

HUC 090400: The watershed referred to as “090400 Upper South Saskatchewan River” in 2012 was known as “100100 Saskatchewan” in 2007. The shape and boundaries of this watershed did not change.

Table 1. Summary by Hydrologic Unit Code: 2012 and 2007 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	United States		H09 Souris-Red-Rainy		H090100	
	2012	2007	2012	2007	2012	2007
FARMS AND LAND IN FARMS						
Farms	2,109,303	2,204,792	28,266	30,330	4,313	4,480
Land in farms	914,527,657	922,095,840	25,107,907	24,995,606	4,929,155	5,207,689
LAND USE AND PRACTICES						
Total cropland	1,551,654	1,685,339	25,872	27,941	3,835	4,149
Harvested cropland	389,690,414	406,424,909	20,937,511	20,862,502	3,716,479	3,992,021
Other pasture and grazing land that could have been used for crops without additional improvement (see text)	1,288,875	1,328,004	17,470	17,950	2,709	2,940
Cropland idle or used for cover crops or soil-improvement but not harvested and not pastured or grazed	314,964,600	309,607,601	18,212,601	17,046,358	3,187,741	3,290,467
Cropland on which all crops failed or were abandoned	141,537	404,753	1,392	3,981	216	513
Cropland in cultivated summer fallow	12,802,847	35,771,154	140,710	500,002	37,145	94,181
Woodland pastured	381,453	360,225	13,365	12,963	1,915	1,907
Woodland not pastured	36,382,032	37,968,749	2,222,186	2,668,681	405,606	499,617
Permanent pasture and rangeland, other than cropland and woodland pastured (see text)	97,248	89,587	1,307	2,527	291	212
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc.	11,395,368	7,405,898	196,088	378,440	50,019	29,445
Cropland on which no-till practices were used	61,442	67,960	1,277	2,360	235	521
Cropland on which conservation tillage, excluding no till, practices were used	14,145,567	15,671,507	165,926	269,021	35,968	78,311
Irrigated land	840,399	843,294	7,334	7,961	477	440
Harvested cropland	77,012,907	75,098,603	667,507	736,573	82,402	71,689
Pastureland and other land	350,761	370,297	2,637	3,027	260	258
Commercial fertilizer, lime, and soil conditioners	27,999,006	28,609,690	205,285	219,215	42,221	37,572
Manure used	606,279	596,123	5,716	6,195	287	238
Acres treated to control -	49,013,901	46,488,913	462,222	517,358	40,181	34,117
Insects	1,176,156	1,132,606	9,037	9,510	2,053	2,064
Weeds, grass, or brush	415,309,280	408,832,116	2,325,657	2,219,576	899,728	916,145
Nematodes	1,338,485	1,126,272	17,403	16,813	2,601	2,433
Diseases in crops and orchards	32,515,057	31,740,212	1,177,232	1,176,955	230,546	227,834
Chemicals used to control growth, thin fruit, ripen, or defoliate	278,290	(NA)	2,534	(NA)	920	(NA)
Corn, all	96,476,496	(NA)	2,371,734	(NA)	1,360,225	(NA)
Soybeans for beans	195,738	(NA)	4,440	(NA)	743	(NA)
Small grains (wheat, oats, barley, rye)	76,639,804	(NA)	5,055,516	(NA)	1,074,637	(NA)
Cotton, all	296,303	301,028	609	619	36	45
Rice	55,822,231	56,599,305	176,940	160,493	(D)	10,518
Vegetables harvested for sale	261,281	256,105	592	607	36	44
Land in orchards	52,092,384	51,537,104	174,450	159,149	(D)	(D)
Nursery, greenhouse, floriculture, and sod	60,330	72,585	34	31	1	1
All other crops (other than those listed above)	3,729,847	5,062,201	2,490	1,344	(D)	(D)
FERTILIZER AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners	877,907	1,022,036	13,671	14,262	1,937	2,211
Manure used	247,802,465	265,995,497	14,037,440	14,609,567	2,456,867	2,853,142
Acres treated to control -	22,072,968	22,096,315	217,550	229,248	30,585	27,413
Insects	361,286	354,357	6,030	4,630	693	606
Weeds, grass, or brush	100,719,008	90,947,822	5,207,401	3,263,790	728,859	485,080
Nematodes	794,320	703,884	14,529	13,231	2,133	2,106
Diseases in crops and orchards	285,510,954	226,295,783	17,132,540	14,012,060	2,977,148	2,588,599
Chemicals used to control growth, thin fruit, ripen, or defoliate	58,865	34,992	546	244	29	11
Corn, all	14,454,000	7,560,158	344,517	133,849	(D)	5,940
Soybeans for beans	121,682	97,333	4,084	3,694	802	535
Small grains (wheat, oats, barley, rye)	35,006,868	22,693,212	4,185,709	2,999,103	999,940	482,421
Cotton, all	53,200	44,638	943	955	119	119
Rice	13,136,568	12,125,799	655,804	500,266	88,811	81,630
SELECTED CROPS HARVESTED						
Corn, all	376,179	375,631	6,982	6,217	526	438
Soybeans for beans	94,609,673	92,228,203	3,270,858	2,397,842	124,971	(D)
Small grains (wheat, oats, barley, rye)	302,963	279,110	9,516	8,044	526	207
Cotton, all	76,104,780	63,915,821	5,323,733	3,763,048	207,228	60,544
Rice	184,481	201,413	9,400	11,139	1,788	2,099
Vegetables harvested for sale	53,668,136	56,231,436	5,660,938	6,666,977	1,746,433	1,924,620
Land in orchards	18,155	18,605	-	-	-	-
Nursery, greenhouse, floriculture, and sod	9,384,080	10,493,238	-	-	-	-
All other crops (other than those listed above)	5,591	6,084	-	-	-	-
Cattle and calves inventory	2,693,759	2,758,792	-	-	-	-
Hogs and pigs inventory	72,045	69,172	329	328	26	13
Sheep and lambs inventory	4,180,891	4,356,880	89,424	95,095	(D)	(D)
Total horses and ponies inventory	106,488	115,935	75	85	10	5
Goats, all inventory	5,199,729	5,039,476	268	212	42	12
Chickens, all inventory	54,557	41,708	127	84	13	9
Cattle and calves inventory	892,089	721,458	875	559	(D)	51
Hogs and pigs inventory	931,925	986,391	12,026	13,195	2,379	2,577
Sheep and lambs inventory	72,024,554	79,856,490	3,866,855	4,138,586	1,108,309	1,230,329
Total horses and ponies inventory	913,246	963,669	6,286	6,734	1,254	1,352
Goats, all inventory	89,994,614	96,347,858	753,658	755,039	186,831	191,819
Chickens, all inventory	63,246	75,442	295	360	18	40
Cattle and calves inventory	66,026,785	67,786,318	271,172	266,232	(D)	12,776
Hogs and pigs inventory	88,338	83,134	473	467	87	76
Sheep and lambs inventory	5,364,844	5,819,162	39,151	43,399	5,495	6,494
Total horses and ponies inventory	504,795	575,942	3,370	4,039	737	829
Goats, all inventory	3,621,348	4,028,827	25,616	29,073	6,292	6,585
Chickens, all inventory	128,456	144,466	326	326	36	34
Cattle and calves inventory	2,621,514	3,140,529	4,443	6,319	(D)	499
Hogs and pigs inventory	221,779	166,680	939	692	119	69
Sheep and lambs inventory	1,974,854,740	2,058,223,629	1,375,447	1,271,582	6,656	2,482

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Table 1. Summary by Hydrologic Unit Code: 2012 and 2007 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	H090201		H090202		H090203	
	2012	2007	2012	2007	2012	2007
FARMS AND LAND IN FARMS						
Farms	8,704	9,364	5,614	5,732	8,685	9,831
Land in farms	6,198,430	6,125,661	6,542,947	6,222,290	6,955,503	7,163,760
LAND USE AND PRACTICES						
Total cropland	7,956	8,486	5,173	5,371	8,125	9,149
Harvested cropland	5,400,118	5,283,886	5,504,466	5,248,363	6,087,874	6,183,740
Other pasture and grazing land that could have been used for crops without additional improvement (see text)	5,634	5,637	3,403	3,474	5,080	5,288
Cropland idle or used for cover crops or soil-improvement but not harvested and not pastured or grazed	4,940,581	4,597,081	4,716,104	4,159,770	5,207,737	4,889,967
Cropland on which all crops failed or were abandoned	387	1,167	231	669	467	1,450
Cropland in cultivated summer fallow	27,136	111,977	26,070	94,883	37,891	185,998
Cropland on which all crops failed or were abandoned	3,736	3,505	3,016	2,848	4,496	4,486
Cropland in cultivated summer fallow	381,561	425,240	632,927	759,988	771,426	963,600
Cropland on which all crops failed or were abandoned	325	878	333	723	297	626
Cropland in cultivated summer fallow	33,532	113,055	71,404	142,008	37,146	87,547
Total woodland	214	397	240	502	464	797
Woodland pastured	17,308	36,533	57,961	91,714	33,674	56,628
Woodland not pastured	2,550	2,730	648	616	3,074	3,499
Permanent pasture and rangeland, other than cropland and woodland pastured (see text)	174,637	200,287	34,970	37,308	310,687	356,536
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc.	891	1,020	234	220	990	1,213
Cropland on which no-till practices were used	49,451	56,069	16,005	15,494	81,687	94,494
Cropland on which conservation tillage, excluding no till, practices were used	2,015	2,149	472	470	2,493	2,816
Irrigated land	125,186	144,218	18,965	21,814	229,000	262,042
Harvested cropland	2,431	2,700	2,023	2,050	2,041	2,264
Pastureland and other land	322,099	339,800	669,821	638,364	269,153	292,345
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc.	5,548	5,406	3,426	3,162	5,175	5,239
Cropland on which no-till practices were used	301,576	301,688	333,690	298,255	287,789	331,139
Cropland on which conservation tillage, excluding no till, practices were used	532	(NA)	699	(NA)	328	(NA)
Irrigated land	196,500	(NA)	632,618	(NA)	129,570	(NA)
Harvested cropland	1,367	(NA)	1,168	(NA)	1,118	(NA)
Pastureland and other land	1,145,810	(NA)	1,583,309	(NA)	1,230,349	(NA)
Harvested cropland	281	279	122	125	131	142
Pastureland and other land	82,386	69,327	31,964	39,714	47,857	40,738
Harvested cropland	278	273	120	120	122	142
Pastureland and other land	82,279	68,465	31,502	39,341	(D)	(D)
Harvested cropland	6	17	9	9	10	2
Pastureland and other land	107	862	462	373	(D)	(D)
FERTILIZER AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners	4,581	4,603	2,799	2,873	4,106	4,302
Manure used	3,594,675	3,619,644	3,678,699	3,682,492	4,221,816	4,404,454
Acres treated to control -	1,048	1,289	474	605	549	783
Insects	86,542	106,970	53,765	36,581	42,650	54,137
Weeds, grass, or brush	2,241	1,705	1,067	756	1,974	1,529
Nematodes	1,500,316	986,801	1,122,452	524,866	1,833,247	1,261,403
Diseases in crops and orchards	4,924	4,286	2,996	2,784	4,255	3,931
Chemicals used to control growth, thin fruit, ripen, or defoliate	4,711,257	3,766,940	4,515,255	3,656,262	4,822,162	3,972,028
Commercial fertilizer, lime, and soil conditioners	208	76	92	31	211	126
Manure used	106,304	35,740	76,922	18,367	132,471	73,802
Acres treated to control -	823	804	817	774	1,616	1,564
Insects	551,821	488,904	804,449	537,321	1,806,901	1,479,729
Weeds, grass, or brush	147	171	276	274	396	387
Nematodes	81,675	66,999	217,479	156,666	266,359	194,591
Diseases in crops and orchards	147	171	276	274	396	387
Chemicals used to control growth, thin fruit, ripen, or defoliate	81,675	66,999	217,479	156,666	266,359	194,591
SELECTED CROPS HARVESTED						
Corn, all	3,522	3,279	1,662	1,532	1,238	956
Soybeans for beans	1,707,110	1,386,082	975,538	(D)	457,721	253,838
Small grains (wheat, oats, barley, rye)	3,745	3,504	2,240	1,947	2,918	2,351
Cotton, all	2,027,799	1,665,604	1,682,649	1,105,668	1,381,295	922,294
Rice	2,294	2,965	1,937	2,404	3,217	3,538
Vegetables harvested for sale	652,894	961,893	1,268,059	1,580,075	1,940,584	2,177,097
Land in orchards	90	79	33	30	154	167
Nursery, greenhouse, floriculture, and sod	13,051	12,577	(D)	(D)	71,942	74,371
All other crops (other than those listed above)	30	38	13	16	17	23
Cattle and calves inventory	129	111	27	33	65	52
Hogs and pigs inventory	51	34	9	5	40	26
Sheep and lambs inventory	701	137	(D)	3	29	354
Total horses and ponies inventory	3,165	3,444	2,257	2,424	3,667	4,175
Goats, all inventory	538,918	574,120	786,686	792,615	1,356,121	1,465,683
LIVESTOCK AND POULTRY						
Cattle and calves inventory	1,950	2,095	1,264	1,292	1,487	1,694
Hogs and pigs inventory	229,919	232,988	187,914	170,621	131,358	147,763
Sheep and lambs inventory	120	146	40	68	86	82
Total horses and ponies inventory	142,000	140,733	(D)	59,987	57,017	52,338
Goats, all inventory	157	165	84	95	116	96
Chickens, all inventory	18,986	22,962	6,877	7,899	6,070	5,180
Chickens, all inventory	922	1,152	678	765	763	1,005
Chickens, all inventory	6,169	7,429	5,476	5,920	4,999	7,233
Chickens, all inventory	115	116	51	51	99	96
Chickens, all inventory	1,646	2,066	597	851	1,554	2,482
Chickens, all inventory	330	252	146	73	235	172
Chickens, all inventory	1,111,706	964,732	4,581	(D)	(D)	(D)

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Table 1. Summary by Hydrologic Unit Code: 2012 and 2007 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	H090300		H090400 (see text)	
	2012	2007	2012	2007
FARMS AND LAND IN FARMS				
Farmsfarms	809	923	141	(X)
Land in farmsacres	252,041	276,206	229,831	(X)
LAND USE AND PRACTICES				
Total croplandfarms	698	786	85	(X)
.....acres	143,607	154,492	84,967	(X)
Harvested croplandfarms	584	611	60	(X)
.....acres	117,960	109,073	42,478	(X)
Other pasture and grazing land that could have been used for crops without additional improvement (see text)farms	81	182	10	(X)
.....acres	4,716	12,963	7,752	(X)
Cropland idle or used for cover crops or soil-improvement but not harvested and not pastured or grazedfarms	172	217	30	(X)
.....acres	16,389	20,236	14,277	(X)
Cropland on which all crops failed or were abandonedfarms	45	88	16	(X)
.....acres	1,030	6,385	2,957	(X)
Cropland in cultivated summer fallowfarms	101	143	23	(X)
.....acres	3,512	5,835	17,503	(X)
Total woodlandfarms	576	676	9	(X)
.....acres	62,849	70,753	1,962	(X)
Woodland pasturedfarms	256	316	6	(X)
.....acres	14,336	15,586	1,585	(X)
Woodland not pasturedfarms	445	522	4	(X)
.....acres	48,513	55,167	377	(X)
Permanent pasture and rangeland, other than cropland and woodland pastured (see text)farms	390	432	99	(X)
.....acres	28,708	32,922	136,148	(X)
Land in farmsteads, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	593	573	60	(X)
.....acres	16,877	18,039	6,754	(X)
Cropland on which no-till practices were usedfarms	28	(NA)	27	(X)
.....acres	4,282	(NA)	48,539	(X)
Cropland on which conservation tillage, excluding no till, practices were usedfarms	33	(NA)	11	(X)
.....acres	17,062	(NA)	4,349	(X)
Irrigated landfarms	24	28	15	(X)
.....(D)	196	196	3,377	(X)
Harvested croplandfarms	23	28	13	(X)
.....(D)	3	2	5	(X)
Pastureland and other landfarms	3	2	5	(X)
.....(D)	25	(D)	(D)	(X)
FERTILIZER AND CHEMICALS				
Commercial fertilizer, lime, and soil conditionersfarms	222	273	26	(X)
.....acres	54,660	49,835	30,723	(X)
Manure usedfarms	118	144	-	(X)
.....acres	4,008	4,147	-	(X)
Acres treated to control -				
Insectsfarms	53	34	2	(X)
.....(D)	5,640	5,640	(D)	(X)
Weeds, grass, or brushfarms	192	124	29	(X)
.....acres	61,536	28,231	45,182	(X)
Nematodesfarms	6	-	-	(X)
.....(D)	-	-	-	(X)
Diseases in crops and orchardsfarms	23	17	3	(X)
.....acres	18,863	10,728	3,735	(X)
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms	5	4	-	(X)
.....acres	1,480	380	-	(X)
SELECTED CROPS HARVESTED				
Corn, allfarms	34	12	-	(X)
.....acres	5,518	626	-	(X)
Soybeans for beansfarms	87	35	-	(X)
.....acres	24,762	8,938	-	(X)
Small grains (wheat, oats, barley, rye)farms	133	133	31	(X)
.....acres	22,864	23,292	30,104	(X)
Cotton, allfarms	-	-	-	(X)
.....acres	-	-	-	(X)
Ricefarms	-	-	-	(X)
.....acres	-	-	-	(X)
Vegetables harvested for salefarms	26	39	-	(X)
.....acres	357	362	-	(X)
Land in orchardsfarms	5	3	-	(X)
.....acres	4	5	-	(X)
Nursery, greenhouse, floriculture, and sodfarms	14	10	-	(X)
.....acres	9	13	-	(X)
All other crops (other than those listed above)farms	517	575	41	(X)
.....acres	64,447	75,838	12,374	(X)
LIVESTOCK AND POULTRY				
Cattle and calves inventoryfarms	272	301	59	(X)
.....number	13,258	11,848	4,378	(X)
Hogs and pigs inventoryfarms	31	24	-	(X)
.....number	370	398	-	(X)
Sheep and lambs inventoryfarms	24	35	5	(X)
.....(D)	864	864	(D)	(X)
Total horses and ponies inventoryfarms	197	288	73	(X)
.....number	1,623	1,906	1,057	(X)
Goats, all inventoryfarms	24	29	1	(X)
.....number	373	421	(D)	(X)
Chickens, all inventoryfarms	106	126	3	(X)
.....(D)	5,499	5,499	30	(X)