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INTRODUCTION
 The Upper Red River and Minnesota River Basins occupy about 557 and 1,680 mi², respectively, within Brookings, Codington, Deuel, Hamlin, Marshall, and Roberts Counties in northeastern South Dakota. The basins lie within the former boundary of the Lake Traverse Indian Reservation and in parts of the East Dakota and James River Water Development Districts. Delineation of drainage areas was done in cooperation with the Sisseton-Wahpeton Sioux Tribe, the East Dakota Water Development District, and the James River Water Development District. The Sisseton-Wahpeton Sioux Tribe required information on the location and size of subbasins within these drainage basins for computation of flows and nutrient yields within various watersheds. The East Dakota Water Development District wanted these subbasins delineated and digitized into a Geographic Information System (GIS). The James River Water Development District was interested in drainage-area information because of extensive flooding in Marshall County.

DRAINAGE BASINS
 Basin boundaries were delineated by visual interpretation of contour information shown on USGS 1:24,000 (7.5-minute) mylar topographic quadrangle maps. The area of each subbasin was determined by digitizing the drainage boundary from the topographic maps using a digitizer and GIS software. The drainage areas listed for subbasins along the South Dakota border represent that of the subbasins within South Dakota and do not necessarily represent the drainage area upstream of the point that the stream leaves the State. The original topographic maps on which the drainage boundaries were delineated are on file in the USGS office in Pierre, South Dakota.

ACKNOWLEDGMENTS
 The author acknowledges drainage-delineation information provided by Area II Minnesota River Basins Project, Inc. This information was extensively used to aid in delineating the final drainage subbasins shown in this report.

CONVERSION FACTORS
 The following factors can be used to convert inch-pound units in this report to metric (International System) units:

Multiply inch-pound unit	By	To obtain metric unit
mile	1,609	kilometer
square mile (mi ²)	2,590	square kilometer

Table 1. Summary of drainage areas within the Upper Red River and Minnesota River Basins in South Dakota (mi², square miles; —, not applicable; A, number; USGS, U.S. Geological Survey; s.d., also known as)

Subbasin number	Drainage area (mi ²)	Name of subbasin	Subbasin number or stream draining into	8-digit hydrologic unit number
Upper Red River Basin in South Dakota (557.12 mi²)				
Miscellaneous drainage in the Wild Rice River Basin in South Dakota (26.61 mi²)				
1	0.24	County Ditch No. 11 below South Dakota-North Dakota border	Wild Rice River	09020105
2	5.51	County Ditch No. 9 below South Dakota-North Dakota border	Wild Rice River	09020105
10	2.60	Spring Lake below South Dakota-North Dakota border	Wild Rice River	09020105
11	8.54	Unnamed tributary #2 to the Wild Rice River below South Dakota-North Dakota border	Wild Rice River	09020105
12	6.90	Unnamed tributary #1 to the Wild Rice River below South Dakota-North Dakota border	Wild Rice River	09020105
13	0.45	Chow Lake below South Dakota-North Dakota border	Wild Rice River	09020105
14	2.37	White Lake #2 below South Dakota-North Dakota border	Wild Rice River	09020105
Wild Rice Creek Basin in South Dakota (103.35 mi²)				
3	6.02	Wild Rice Creek above unnamed tributary #1 to Wild Rice Creek	5	09020105
4	11.40	Unnamed tributary #1 to Wild Rice Creek	5	09020105
5	5.46	Wild Rice Creek above White Lake #1 to below unnamed tributary #1 to Wild Rice Creek	6	09020105
6	12.49	White Lake #1	7	09020105
7	5.54	Wild Rice Creek above Marble Gulch to below White Lake #1	9	09020105
8	13.64	Marble Gulch	9	09020105
9	48.60	Wild Rice Creek below Marble Gulch to below South Dakota-North Dakota border	Wild Rice River	09020105
La Belle Creek Basin in South Dakota (27.33 mi²)				
15	8.73	La Belle Creek above USGS streamflow-gaging station 0521650	16	09020105
16	8.54	La Belle Creek below USGS streamflow-gaging station 0521650 to below South Dakota-North Dakota border	Wild Rice River	09020105
17	10.06	Unnamed tributary #1 to La Belle Creek below South Dakota-North Dakota border	La Belle Creek	09020105
Shoofoot Creek Basin in South Dakota (52.91 mi²)				
18	4.44	Shoofoot Creek above unnamed tributary #3 to Shoofoot Creek	20	09020105
19	8.30	Unnamed tributary #3 to Shoofoot Creek	20	09020105
20	10.31	Shoofoot Creek above unnamed tributary #2 to Shoofoot Creek to below unnamed tributary #2 to Shoofoot Creek	22	09020105
21	13.50	Unnamed tributary #2 to Shoofoot Creek	22	09020105
22	2.33	Shoofoot Creek above unnamed tributary #2 to Shoofoot Creek to below South Dakota-North Dakota border	Shoofoot Creek	09020105
23	0.002	Unnamed tributary #1 to Shoofoot Creek below South Dakota-North Dakota border	Shoofoot Creek	09020105
24	13.63	Kennedy Slough below South Dakota-North Dakota border	Shoofoot Creek	09020105
Bois de Sioux River Basin in South Dakota (347.12 mi²)				
25	34.23	Jim Creek	26	09020101
26	35.56	Lake Traverse	28	09020101
27	24.12	Unnamed tributary to Mud Lake	28	09020101
28	25.26	Mud Lake	38	09020101
29	11.07	Unnamed tributary #1 to unnamed tributary #1 to Big Slough below South Dakota-North Dakota border	30	09020101
30	20.23	Unnamed tributary #1 to Big Slough below South Dakota-North Dakota border	37	09020101
31	2.94	Unnamed tributary #1 to unnamed tributary #1 to Big Slough	30	09020101
32	3.61	Dobersten Slough	33	09020101
33	19.68	Unnamed tributary #1 to unnamed tributary #2 to Cottonwood Slough	34	09020101
34	26.55	Unnamed tributary #2 to Cottonwood Slough	36	09020101
35	5.48	Unnamed tributary #1 to Cottonwood Slough	36	09020101
36	50.10	Cottonwood Slough	25 and 37	09020101
37	53.30	Big Slough below South Dakota-North Dakota border	38	09020101
38	3.16	Bois de Sioux River-1 west of South Dakota-Minnesota border	Bois de Sioux River	09020101
39	15.60	Chabouse Lake below South Dakota-North Dakota border	Bois de Sioux River	09020101
40	1.34	Bois de Sioux River-2 below South Dakota-North Dakota border	Bois de Sioux River	09020101
41	3.09	Drain No. 39 below South Dakota-North Dakota border	Bois de Sioux River	09020101
42	11.80	County Ditch No. 3 below South Dakota-North Dakota border	Bois de Sioux River	09020101
Minnesota River Basin in South Dakota (1,679.51 mi²)				
07020001 (1,342.70 mi²) 07020003 (336.63 mi²) 07020004 (0.18 mi²)				
Little Minnesota River Basin in South Dakota (321.17 mi²)				
43	16.73	La Frembois Creek	45	07020001
44	9.22	Little Minnesota River above La Frembois Creek	45	07020001
45	59.95	Little Minnesota River above unnamed tributary #3 to Little Minnesota River to below La Frembois Creek	47	07020001
46	10.96	Unnamed tributary #3 to Little Minnesota River	47	07020001
47	14.44	Little Minnesota River above unnamed tributary #2 to Little Minnesota River to below unnamed tributary #2 to Little Minnesota River	62	07020001
48	2.19	Uncle John Cakes Creek	49	07020001
49	14.41	Munson Creek	51	07020001
50	19.33	Unnamed tributary #2 to Little Minnesota River above Munson Creek	51	07020001
51	1.12	Unnamed tributary #2 to Little Minnesota River above Siche (a.k.a. Sica) Hollow below Standfast Creek to below Siche Munson Creek	55	07020001
52	0.68	Standfast Creek	54	07020001
53	2.89	Siche (a.k.a. Sica) Hollow above Standfast Creek	54	07020001
54	2.69	Siche (a.k.a. Sica) Hollow below Standfast Creek	55	07020001
55	17.26	Unnamed tributary #2 to Little Minnesota River above unnamed tributary #3 to Little Minnesota River to below Siche (a.k.a. Sica) Hollow below Standfast Creek	61	07020001
56	9.08	Unnamed tributary above unnamed tributary #2A-2 to Little Minnesota River	58	07020001
57	8.74	Unnamed tributary #2A-3 to Little Minnesota River	58	07020001
58	0.38	Unnamed tributary #2A-1 to Little Minnesota River	59	07020001
59	1.66	Unnamed tributary #2A-1 to Little Minnesota River	61	07020001
60	13.38	Unnamed tributary above unnamed tributary #2A-1 to Little Minnesota River	59	07020001
61	3.66	Unnamed tributary #2 to Little Minnesota River below unnamed tributary #1 to unnamed tributary #2 to Little Minnesota River	62	07020001
62	10.32	Little Minnesota River above Long Hollow to below unnamed tributary #2 to Little Minnesota River	65	07020001
63	4.28	Unnamed tributary to Long Hollow above USGS streamflow-gaging station 0528950	64	07020001
64	19.19	Long Hollow	65	07020001
65	3.66	Little Minnesota River above unnamed tributary #1 to Little Minnesota River to below Long Hollow	68	07020001
66	14.73	Drywood Lakes	67 and 72	07020001
67	19.17	Unnamed tributary #1 to Little Minnesota River	68	07020001
68	20.47	Little Minnesota River above Jorgenson River to below unnamed tributary #1 to Little Minnesota River	87	07020001
69	7.17	Little Minnesota River above USGS streamflow-gaging station 0529000 to below Jorgenson River	88	07020001
70	6.54	Little Minnesota River above unnamed tributary #4 to Little Minnesota River to below USGS streamflow-gaging station 0529000	90	07020001
71	6.49	Unnamed tributary #4 to Little Minnesota River	90	07020001
72	0.38	Little Minnesota River above Big Stone Lake to below unnamed tributary #4 to Little Minnesota River	91	07020001
Jorgenson River Basin in North Dakota (157.41 mi²)				
73	11.95	Unnamed tributary #1 to Jorgenson River above unnamed #1A to Jorgenson River	71	07020001
74	13.36	Unnamed tributary #1A to Jorgenson River	71	07020001

Subbasin number	Drainage area (mi ²)	Name of subbasin	Subbasin number or stream draining into	8-digit hydrologic unit number
71	1.45	Unnamed tributary #1 to Jorgenson River above Goodwill Creek to below unnamed tributary #1A to Jorgenson River	73	07020001
72	12.27	Goodwill Creek	73	07020001
73	0.51	Unnamed tributary #1 to Jorgenson River above unnamed tributary #2 to Jorgenson River to below Goodwill Creek	75	07020001
74	4.70	Unnamed tributary #2 to Jorgenson River	75	07020001
75	0.61	Unnamed tributary #1 to Jorgenson River above Agency Creek to below unnamed tributary #2 to Jorgenson River	77	07020001
76	7.21	Agency Creek	77	07020001
77	0.12	Unnamed tributary #1 to Jorgenson River above Hines Creek to below Agency Creek	79	07020001
78	12.61	Hines Creek	79	07020001
79	5.50	Jorgenson River above Big Spring Creek to below Hines Creek	81	07020001
80	12.41	Big Spring Creek	81	07020001
81	11.82	Jorgenson River above Big Coolee Creek below USGS streamflow-gaging station 0528985 to below Big Spring Creek	86	07020001
82	12.13	Big Coolee Creek above USGS streamflow-gaging station 0528985	83	07020001
83	0.71	Big Coolee Creek above unnamed tributary #1 to Big Coolee Creek to below USGS streamflow-gaging station 0528985	85	07020001
84	8.00	Unnamed tributary #1 to Big Coolee Creek	85	07020001
85	1.72	Big Coolee Creek below unnamed tributary #1 to Big Coolee Creek	86	07020001
86	20.53	Jorgenson River	87	07020001

Miscellaneous drainage in Minnesota River Basin in South Dakota (83.46 mi ²)				
91	56.55	Big Stone Lake west of South Dakota-Minnesota border	Minnesota River	07020001
92	14.89	Unnamed tributary of Big Stone Lake	91	07020001
93	11.15	Hartford Bush Creek	91	07020001
129	0.87	Minnesota River west of South Dakota-Minnesota border	—	07020001

Whetstone River Basin in South Dakota (419.96 mi ²)				
94	0.96	Unnamed tributary #8 to North Fork Whetstone River above USGS streamflow-gaging station 0529300	95	07020001
95	8.92	North Fork Whetstone River above unnamed tributary #7 to North Fork Whetstone River	97	07020001
96	13.83	Unnamed tributary #7 to North Fork Whetstone River	97	07020001
97	2.61	North Fork Whetstone River above unnamed tributary #6 to North Fork Whetstone River to below unnamed tributary #7 to North Fork Whetstone River	99	07020001
98	18.42	Unnamed tributary #6 to North Fork Whetstone River	99	07020001
99	12.50	North Fork Whetstone River above unnamed tributary #5 to North Fork Whetstone River to below unnamed tributary #6 to North Fork Whetstone River	102	07020001
100	41.22	Bullhead Lake	99	07020001
101	18.63	Unnamed tributary #5 to North Fork Whetstone River	102	07020001
102	6.24	North Fork Whetstone River above unnamed tributary #4 to North Fork Whetstone River to below unnamed tributary #5 to North Fork Whetstone River	104	07020001
103	10.73	Unnamed tributary #4 to North Fork Whetstone River	104	07020001
104	0.59	North Fork Whetstone River above unnamed tributary #3 to North Fork Whetstone River to below unnamed tributary #4 to North Fork Whetstone River	108	07020001
105	15.24	Unnamed tributary #3-2 to North Fork Whetstone River	107	07020001
106	17.50	Unnamed tributary #1 above unnamed tributary #3-1 to North Fork Whetstone River	107	07020001
107	1.66	Unnamed tributary #3-1 to North Fork Whetstone River	108	07020001
108	5.58	North Fork Whetstone River above unnamed tributary #2 to North Fork Whetstone River to below unnamed tributary #3 to North Fork Whetstone River	110	07020001
109	25.39	Unnamed tributary #2 to North Fork Whetstone River	110	07020001
110	6.12	North Fork Whetstone River above unnamed tributary #1 to North Fork Whetstone River to below unnamed tributary #2 to North Fork Whetstone River	113	07020001
111	19.49	Unnamed tributary #1 to North Fork Whetstone River	113	07020001
112	5.85	Unnamed tributary #9 to North Fork Whetstone River	113	07020001
113	24.17	North Fork Whetstone River above Whetstone River above USGS streamflow-gaging station 0529100 to below unnamed tributary #1 to North Fork Whetstone River	127	07020001

Yellow Bank River Basin in South Dakota (380.50 mi ²)				
132	2.21	Unnamed tributary #1 to Yellow Bank River above South Dakota-Minnesota border	Yellow Bank River	07020001
133	21.16	Punished Woman/Round Lakes	134	07020001
134	20.47	North Fork Yellow Bank River above unnamed tributary #4-1 to North Fork Yellow Bank River	139	07020001
135	8.20	Unnamed tributary #1 to unnamed tributary #4-2 to North Fork Yellow Bank River above USGS streamflow-gaging station 0529260	136	07020001
136	9.42	Unnamed tributary #4-2 to North Fork Yellow Bank River	138	07020001
137	18.10	Unnamed tributary #1 above unnamed tributary #4-1 to North Fork Yellow Bank River	138	07020001
138	2.13	Unnamed tributary #4-1 to North Fork Yellow Bank River	139	07020001
139	5.49	North Fork Yellow Bank River above unnamed tributary #3-1 to North Fork Yellow Bank River to below unnamed tributary #4-1 to North Fork Yellow Bank River	143	07020001
140	16.48	Unnamed tributary #3-2 to North Fork Yellow Bank River	142	07020001
141	21.71	Unnamed tributary #3-1 to North Fork Yellow Bank River	142	07020001
142	11.82	North Fork Yellow Bank River above unnamed tributary #2 to North Fork Yellow Bank River to below unnamed tributary #3-1 to North Fork Yellow Bank River	143	07020001
143	6.32	Unnamed tributary #2 to North Fork Yellow Bank River	143	07020001
144	13.05	Unnamed tributary #2 to North Fork Yellow Bank River	145	07020001
145	2.61	North Fork Yellow Bank River above unnamed tributary #1 to North Fork Yellow Bank River to below unnamed tributary #2 to North Fork Yellow Bank River	147	07020001
146	32.53	Unnamed tributary #1 to North Fork Yellow Bank River	147	07020001
147	1.22	North Fork Yellow Bank River above Lake Albert below outlet to below unnamed tributary #1 to North Fork Yellow Bank River	150	07020001
148	5.70	Lake Albert	149	07020001
149	2.50	Lake Albert below outlet	150	07020001
150	2.35	North Fork Yellow Bank River above South Dakota-Minnesota border to below Lake Albert below outlet	Yellow Bank River	07020001
151	3.22	Unnamed tributary #1 to South Fork Yellow Bank River	South Fork Yellow Bank River	07020001
152	16.75	Unnamed tributary #2 to South Fork Yellow Bank River	South Fork Yellow Bank River	07020001
153 and 164	2.54	South Fork Yellow Bank River above South Dakota-Minnesota border to below South Fork Yellow Bank River	Yellow Bank River	07020001
154	17.27	Unnamed tributary #3-2 to South Fork Yellow Bank River	156	07020001
155	11.18	Unnamed tributary #3-1 to South Fork Yellow Bank River	156	07020001
156	18.19	Unnamed tributary #3-1 to South Fork Yellow Bank River	South Fork Yellow Bank River	07020001
157	8.77	Lake Alice	158	07020001
158	6.99	Caine Creek above unnamed tributary #1 to Caine Creek	160	07020001
159	15.80	Unnamed tributary #1 to Caine Creek	160	07020001
160	7.60	Caine Creek below unnamed tributary #1 to Caine Creek	162	07020001
161	25.39	South Fork Yellow Bank River above Caine Creek	162	07020001
162	15.09	South Fork Yellow Bank River above Mud Creek to below Caine Creek	164	07020001
163	26.24	Mud Creek	164	07020001

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