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SIXTH BIENNIAL REPORT

of the

State Water Conservation Commission

and the

TWENTY-THIRD BIENNIAL REPORT

of the

STATE ENGINEER

of

North Dakota

STREAM-FLOW MEASUREMENT SUPPLEMENT

From October 1, 1946 to October 1, 1948

TC824.N9 A32 BIE

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STREAM-FLOW MEASUREMENT SUPPLEMENT

From October 1, 1946 to October 1, 1948

TC824.N9 A32 BIE

MISSOURI RIVER NEAR WILLISTON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	654,800	27,600	17,000	21,090	1,297,000
November	614,600	36,100	17,200	20,490	1,219,000
December	799,160	51,000	8,960	25,780	1,585,000
January	489,200	19,700	10,100	15,780	970,300
February	208,300	11,500	5,260	7,439	413,200
March	665,400	50,600	5,680	21,460	1,320,000
April	281,130	13,500	7,590	9,371	557,600
May	420,090	18,800	7,810	13,550	833,200
June	1,258,100	68,600	21,800	41,940	2,495,000
July	1,105,600	63,300	20,200	35,660	2,193,000
August	564,900	20,500	16,000	18,220	1,120,000
September	752,000	30,200	18,800	25,070	1,492,000
Water year 1944-45	7,812,280	68,600	5,260	21,400	15,500,000

MISSOURI RIVER NEAR WILLISTON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	756,200	27,300	15,500	24,390	1,500,000
November	389,100	17,000	6,800	12,970	771,800
December	182,010	11,200	2,000	5,871	361,000
January	252,650	10,600	6,700	8,150	501,100
February	198,200	12,200	5,200	7,079	393,100
March	521,200	29,800	11,400	16,810	1,034,000
April	346,610	16,600	8,850	11,550	687,500
May	526,400	21,000	14,100	16,980	1,044,000
June	1,119,100	52,200	24,400	37,300	2,220,000
July	807,800	40,600	13,400	26,060	1,602,000
August	643,700	25,000	10,300	20,760	1,277,000
September	758,100	36,600	22,400	25,270	1,504,000
Water Year 1945-46	6,501,070	52,200	2,000	17,810	12,900,000

MISSOURI RIVER NEAR ELBOWOODS, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	692,700	29,500	18,500	22,350	1,374,000
November	603,700	23,600	10,600	20,120	1,197,000
December	813,740	66,100	6,000	26,250	1,614,000
January	522,900	24,600	6,200	16,870	1,037,000
February	257,900	14,300	6,600	9,211	511,500
March	837,700	71,000	6,400	27,020	1,662,000
April	345,870	23,200	8,390	11,530	686,000
May	429,450	19,700	8,180	13,850	851,800
June	1,220,100	69,400	18,800	40,670	2,420,000
July	1,119,100	64,400	23,900	36,100	2,220,000
August	574,200	21,800	16,200	18,520	1,139,000
September	754,300	30,400	17,300	25,140	1,496,000
Water Year 1944-45	8,171,660	71,000	6,000	22,390	16,210,000

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MISSOURI RIVER NEAR ELBOWOODS, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	759,900	26,200	17,600	24,510	1,507,000
November	372,210	17,200	4,310	12,410	738,300
December	189,990	10,000	3,800	6,129	376,800
January	252,270	9,000	5,600	8,138	500,400
February	194,300	9,300	5,000	6,939	385,400
March	584,100	43,400	10,200	18,840	1,159,000
April	374,000	15,800	10,400	12,470	741,800
May	529,000	21,400	14,200	17,060	1,049,000
June	1,144,500	55,600	21,600	38,150	2,270,000
July	874,300	40,200	15,200	28,200	1,734,000
August	631,300	25,400	11,200	20,360	1,252,000
September	748,000	38,500	22,930	24,930	1,484,000
Water Year 1945-46	6,653,870	55,600	3,800	18,230	13,200,000

MISSOURI RIVER AT BISMARCK, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	704,900	28,300	19,400	22,740	1,398,000
November	643,100	25,100	17,900	21,440	1,276,000
December	498,000	21,600	9,400	16,060	987,800
January	479,800	21,600	8,700	15,480	951,700
February	344,040	20,200	7,900	12,290	682,400
March	1,016,520	78,000	7,500	32,790	2,016,000
April	380,320	23,200	9,020	12,680	754,400
May	440,550	20,200	9,090	14,210	873,800
June	1,161,200	71,300	18,300	38,710	2,303,000
July	1,228,000	70,600	26,000	39,610	2,436,000
August	580,000	24,300	15,900	18,710	1,150,000
September	733,000	31,300	16,400	24,430	1,454,000
Water Year 1944-45	8,209,430	78,000	7,500	22,490	16,280,000

MISSOURI RIVER AT BISMARCK, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	783,700	27,700	22,600	25,280	1,554,000
November	370,500	21,700	5,200	12,350	734,900
December	188,950	9,200	3,200	6,095	374,800
January	200,000	7,500	3,600	6,452	396,700
February	185,100	9,700	5,500	6,611	367,100
March	664,700	57,000	10,200	21,440	1,318,000
April	368,900	14,500	10,700	12,300	731,700
May	512,700	20,500	14,000	16,540	1,017,000
June	1,112,000	56,100	17,500	37,070	2,206,000
July	919,600	47,000	16,300	29,660	1,824,000
August	619,800	25,800	11,000	19,990	1,229,000
September	774,400	37,900	22,300	25,810	1,536,000
Water Year 1945-46	6,700,350	57,000	3,200	18,360	13,290,000

LITTLE MUDDY NEAR WILLISTON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	------	------	------	------	------
November	------	------	------	------	------
December	------	------	------	------	------
January	------	------	------	------	------
February	------	------	------	------	------
March	------	------	------	------	------
April 18-30	208	20	13	16.0	413
May	438	20	11	14.1	869
June	377.7	20	9	12.6	749
July	1,816.4	712	7	58.6	3,600
August	288.1	12	6	7.36	452
September	190.9	9.1	5	6.36	379
The period	------	------	------	------	6,460

LITTLE MISSOURI RIVER AT MARMARTH, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	1,063	65	26	34.3	2,110
November	1,422	137	2	47.4	2,820
December	31	1	1	1.0	60
January	31	1	1	1.0	60
February	623	100	1	22.2	1,240
March	71,054	9,320	3	2,292	140,900
April	7,279	600	83	242	14,440
May	3,396	367	44	110	6,730
June	8,196	1,030	69	273	16,260
July	2,034	490	10	65.6	4,030
August	2,197	351	10	70.7	4,350
September	3,021	393	12	101	5,990
Water year 1944-45	100,347	9,320	1	275	198,990

LITTLE MISSOURI AT MARMARTH, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	1,089	92	18	35.1	2,160
November	408	21	9	13.6	809
December	156	10	1	5.0	309
January	278	25	1	9.0	551
February	1,222	300	1	43.6	2,420
March	9,339	728	144	301	18,520
April	4,804	650	34	160	9,530
May	16,470	3,640	23	531	32,670
June	41,176	5,020	227	1,373	81,670
July	7,984	2,000	20	258	15,840
August	1,011	180	2	32.6	2,010
September	3,736	532	8	125	7,410
Water year 1945-46	87,673	5,020	1	240	173,900

LITTLE MISSOURI RIVER AT MEDORA, N. D.

Stream-Flow Information

(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	1,633	250	25	52.7	3,240
November	517	28	7	17.2	1,030
December	193	12	2	6.2	383
January	277	25	0	8.9	549
February	317	150	0	11.3	629
March	11,791	700	159	380	23,390
April	6,944	910	46	231	13,770
May	15,172	3,570	48	489	30,090
June	46,910	5,550	270	1,564	93,040
July	10,073	1,170	67	325	19,980
August	1,252	142	8	40.4	2,480
September	4,316	540	8	144	8,560
Water year 1945-46	99,395	5,550	0	272	197,100

LITTLE MISSOURI RIVER AT WATFORD CITY, N. D.

Stream-Flow Information

(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	2,167	115	40	69.9	4,300
November	4,420	608	10	147	8,770
December	161	10	1	5.2	319
January	------	------	------	------	------
February	4,610	1,000	------	165	9,140
March	155,350	17,300	20	5,011	308,100
April	18,756	2,280	211	625	37,200
May	5,257	544	94	170	10,430
June	17,274	2,175	168	576	34,260
July	4,324	357	68	139	8,580
August	3,071	267	20	99.1	6,090
September	3,301	374	24	110	6,550
Water year 1944-45	218,691	17,300	------	599	433,739

LITTLE MISSOURI NEAR WATFORD CITY, N. D.

Stream-Flow Information

(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	2,797	306	36	90.2	5,550
November	409	30	5	13.6	811
December	62	------	------	2.0	123
January	76	------	------	2.5	151
February	7,883	3,000	------	282	15,640
March	15,391	1,500	223	496	30,530
April	8,512	895	79	284	16,880
May	8,510	3,040	58	275	16,880
June	49,488	4,640	377	1,650	98,160
July	15,753	1,240	115	508	31,250
August	2,104	122	14	67.9	4,170
September	4,576	377	8	153	9,080
Water year 1945-46	115,561	4,640	------	317	229,200

LITTLE BEAVER CREEK NEAR MARMARTH, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	120.3	8.8	2.8	3.88	239
November	240.4	19	1.0	8.01	477
December	15.9	1.0	.2	.51	32
January	3.1	.1	.1	.10	6.1
February	1,342.6	500	.1	48.0	2,660
March	12,845.4	2,100	.2	414	25,480
April	840	85	14	28.0	1,670
May	715.2	297	8.0	23.0	1,420
June	1,751.8	560	8.8	58.4	3,470
July	154.9	8.8	2.2	5.00	307
August	7.5	1.4	0	.24	15
September	38.8	4.9	0	1.29	77
Water year 1944-45	18,075.9	2,100	0	49.5	35,853.1

LITTLE BEAVER CREEK NEAR MARMARTH, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	133.4	11	2.0	4.30	265
November	110.6	8.0	2.3	3.69	219
December	31	2	0	1.0	61
January	21	2	0	.6	42
February	319	150	0	11.4	633
March	1,033	100	10	33.3	2,050
April	145.8	8.8	3.2	4.86	289
May	246.1	67	1.5	7.94	488
June	2,816.3	795	1.7	93.9	5,590
July	4,678.0	1,840	1.3	151	9,280
August	106.6	38	0	3.44	211
September	125.9	31	.1	4.20	250
Water year 1945-46	9,766.7	1,840	0	26.8	19,380

KNIFE RIVER NEAR GOLDEN VALLEY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	359	19	10	11.6	712
November	928	95	8	30.9	1,840
December	275	10	5	8.9	545
January	231	10	3	7.5	458
February	487	100	3	17.4	966
March	42,195	7,000	3	1,361	83,690
April	2,588	170	40	86.3	5,130
May	1,144	300	23	36.9	2,270
June	6,166	1,760	21	206	12,230
July	542	32	13	17.5	1,080
August	385.7	27	7.8	12.4	765
September	210.4	8.0	6.0	7.01	417
Water year 1944-45	55,511.1	7,000	3	152	110,103

KNIFE RIVER NEAR GOLDEN VALLEY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	203.6	7	6	6.57	404
November	246.7	10	6	8.22	489
December	108.2	9	1	3.49	215
January	131	8	2	4.2	260
February	1,271.5	300	1	45.4	2,520
March	7,644	1,400	32	247	15,160
April	546.0	32	9.0	18.2	1,080
May	270.3	13	6.9	8.72	536
June	1,082.4	177	4.0	36.1	2,150
July	2,109.0	588	4.8	68.0	4,180
August	124.7	35	.9	4.02	247
September	130.4	6.3	2.9	4.35	259
Water year 1945-46	13,867.8	1,400	0.9	38.0	27,500

KNIFE RIVER NEAR GOLDEN VALLEY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	474.2	39	2.9	15.3	941
November	252.8	19	4.5	8.43	501
December	189	8	5	6.1	375
January	1,783	400	3	57.5	3,540
February	5,887	1,500	17	210	11,680
March	13,849	3,000	16	447	27,470
April	11,579	1,580	42	386	22,970
May	685	37	14	22.1	1,360
June	20,436	5,630	12	681	40,530
July	2,237	291	23	72.2	4,440
August	1,508	319	12	48.6	2,990
September	322	12	10	10.7	639
Water year 1946-47	59,202.0	5,630	2.9	162	117,400

KNIFE RIVER AT HAZEN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	1,090	45	32	35.2	2,160
November	1,835	171	25	61.2	3,640
December	566	25	11	18.3	1,120
January	545	40	10	17.6	1,080
February	2,782	400	10	99.4	5,520
March	65,489	8,520	25	2,113	129,900
April	5,404	453	77	180	10,720
May	2,247	110	62	72.5	4,460
June	9,240	2,180	71	308	18,330
July	1,743	160	33	56.2	3,460
August	1,112	51	23	35.9	2,210
September	810	30	21	27.0	1,610
Water year 1944-45	92,863	8,520	10	254	184,210

KNIFE RIVER AT HAZEN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	864	30	27	27.9	1,710
November	863	33	20	28.8	1,710
December	387	24	7	12.5	768
January	455	19	10	14.7	902
February	3,145	700	6	112	6,240
March	19,350	3,300	104	624	38,380
April	1,694	104	30	56.5	3,360
May	918	34	25	29.6	1,820
June	3,824	702	18	127	7,580
July	4,735	837	23	153	9,390
August	483	31	11	15.6	958
September	614	31	14	20.5	1,220
Water year 1945-46	37,332	3,300	6	102	74,040

KNIFE RIVER AT HAZEN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	1,173	96	15	37.8	2,330
November	795	42	15	26.5	1,580
December	536	20	13	17.3	1,060
January	3,123	650	10	101	6,190
February	8,269	1,700	26	295	16,400
March	21,472	3,500	34	693	42,590
April	23,675	2,250	102	789	46,960
May	1,757	96	42	56.7	3,480
June	25,715	5,910	40	857	51,000
July	4,663	452	60	150	9,250
August	2,504	300	26	80.8	4,970
September	1,005	38	30	33.5	1,990
Water year 1946-47	94,687	5,910	10	259	187,800

SPRING CREEK AT ZAP, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	183.3	6.6	5.3	5.91	364
November	214.8	9	5	7.16	426
December	96	8	1	3.1	190
January	98	8	0	3.2	194
February	943	250	0	33.7	1,870
March	6,852	1,400	22	221	13,590
April	430.7	29	8.9	14.4	854
May	347.3	46	5.8	11.2	689
June	554.4	237	4.2	18.5	1,100
July	505.6	120	2.4	16.3	1,000
August	128.4	26	1.3	4.14	255
September	118.3	8.9	2.2	3.94	235
Water year 1945-46	10,471.8	1,400	0	28.7	20,770

SPRING CREEK AT ZAP, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	239.2	12	3.5	7.72	474
November	202.3	16	4	6.74	401
December	155	7	3	5.0	307
January	669	130	2	21.6	1,330
February	1,107	350	3	39.5	2,200
March	5,154	1,150	2	166	10,220
April	4,417	615	22	147	8,760
May	464.0	25	9.2	15.0	920
June	5,778.0	1,430	8.5	193	11,460
July	985	118	10	31.8	1,950
August	351.1	30	6.6	11.3	696
September	205.0	9.9	5.3	6.83	407
Water year 1946-47	19,726.6	1,430	2	54.0	39,120

HEART RIVER NEAR DICKINSON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
June	33.5	6.0	0.8	3.35	66
July	69.6	9.3	.7	2.25	138
August	39.5	5.6	.4	1.27	78
September	35.1	3.5	.7	1.17	70
The period 1945-1946					352

HEART RIVER NEAR LEHIGH, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	111	10	2	3.6	220
November	229	25	3	7.6	454
December	109	5	2	3.5	216
January	143	10	2	4.6	284
February	2,362	500	2	84.4	4,680
March	20,121	4,090	3	649	39,910
April	1,946	256	16	64.9	3,860
May	444	43	11	14.3	881
June	1,069.1	208	7.4	35.6	2,120
July	206.1	19	3.8	6.65	409
August	75.4	5.5	1.3	2.43	150
September	113.4	6.4	2	3.78	225
Water year 1944-45	26,929	4,090	1.3	73.8	53,409

HEART RIVER AT LEHIGH, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	122.6	5.9	2.7	3.95	243
November	122.5	5.9	2	4.08	243
December	69	4	1	2.2	137
January	42	2	1	1.4	83
February	57	8	1	2.0	113
March	244.0	10	2	7.87	484
April	135.4	8.3	2.5	4.51	269
May	152.7	13	1.4	4.93	303
June	208.4	18	2.5	6.95	413
July	172.7	13	1.4	5.57	343
August	93.2	8.6	.3	3.01	185
September	54.7	3.1	.7	1.82	108
Water year 1945-46	1,474.2	18	.3	4.04	2,920

HEART RIVER NEAR RICHARDTON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	421	16	12	13.6	835
November	1,468	642	10	48.9	2,910
December	356	20	5	11.5	706
January	209	12	3	6.7	414
February	2,497	500	2	89.1	4,950
March	65,871	9,690	10	2,125	130,700
April	6,474	981	66	216	12,840
May	1,743	116	41	56.2	3,460
June	5,582	1,980	32	186	11,070
July	1,332	294	23	42.9	2,640
August	479.9	24	7.9	15.4	952
September	297.5	13	7.6	9.91	590
Water year 1944-45	86,730.4	9,690	2	282	172,067

HEART RIVER NEAR RICHARDTON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	308.3	12	8.7	9.95	612
November	289.3	12	8	9.64	574
December	157	11	0	5.1	311
January	96	4	2	3.1	190
February	457	120	0	16.3	906
March	5,030	600	38	162	9,980
April	735	48	11	24.5	1,460
May	455.4	22	9.7	14.7	903
June	474.0	69	5.9	15.8	940
July	416.3	84	1.4	13.4	826
August	101.4	14	.5	3.27	201
September	146.0	7.8	1.8	4.87	290
Water year 1945-46	8,665.7	600	.0	23.7	17,190

HEART RIVER NEAR GLEN ULLIN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	571	24	14	18.4	1,130
November	1,081	64	16	36	2,140
December	470	22	6	15.2	932
January	300	15	6	9.7	595
February	3,096	7,000	4	111	6,140
March	81,244	10,700	15	2,621	161,100
April	8,193	850	85	273	16,250
May	2,652	250	59	85.5	5,260
June	6,014	530	40	200	11,930
July	1,437	126	34	46.4	2,850
August	806	57	11	26	1,600
September	420	20	11	14	833
Water year 1944-45	106,284	10,700	4	291	210,760

HEART RIVER NEAR GLEN ULLIN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	378	15	11	12.2	750
November	311.9	13	7.9	10.4	619
December	156	11	0	5.0	309
January	90.5	4	1	2.92	180
February	616	150	0	22.0	1,220
March	7,253	650	60	234	14,390
April	1,424	110	18	47.5	2,820
May	583	30	12	18.8	1,160
June	1,737	368	10	57.9	3,450
July	1,229.1	208	2.7	39.6	2,440
August	106.0	12	.6	3.42	210
September	191.8	16	2.7	6.39	380
Water year 1945-46	14,076.3	650	0	38.6	27,930

HEART RIVER NEAR LARK, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
June 20-30	1,818	814	18	165	3,610
July	2,446	382	14	78.9	4,850
August	167	10	3	5.4	331
September	364	20	5	12.1	722
The period 1945-1946	.....	.....	.....	.....	9,510

HEART RIVER NEAR MANDAN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	1,197	50	34	38.6	2,370
November	2,162	581	15	72.1	4,290
December	617	30	10	19.9	1,220
January	435	20	8	14.0	863
February	4,693	800	6	168	9,310
March	100,387	13,400	10	3,238	199,100
April	13,850	1,290	159	462	27,470
May	3,675	153	93	119	7,290
June	10,342	906	96	345	20,510
July	2,359	95	57	76.1	4,680
August	1,754	196	31	56.6	3,480
September	926	43	25	30.9	1,840
Water year 1944-45	142,397	13,400	6	390	282,423

HEART RIVER NEAR MANDAN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	854	29	26	27.5	1,690
November	653	31	15	21.8	1,300
December	330	20	0	10.6	655
January	22	1	0	.7	44
February	121	50	0	4.3	240
March	16,747	1,500	239	540	33,220
April	2,416	200	35	80.5	4,790
May	1,115	42	30	36.0	2,210
June	2,395	652	23	79.8	4,750
July	3,235	829	13	104	6,420
August	244	12	4	7.9	484
September	369	20	4	12.3	732
Water year 1945-46	28,501	1,500	0	78.1	56,540

GREEN RIVER NEAR GLADSTONE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	113.3	6.1	2.6	3.65	225
November	116.7	5.2	2.5	3.89	231
December	54	4	0	1.7	107
January	10	1	0	.3	20
February	138	100	0	4.9	274
March	1,365.8	130	9.8	44.1	2,710
April	198.6	8.8	4.3	6.62	394
May	124.7	5.9	2.9	4.02	247
June	134.7	12	1.6	4.49	267
July	74.5	13	.4	2.40	148
August	25.4	4.1	.1	.82	50
September	45.2	2.8	1.0	1.51	90
Water year 1945-46	2,400.9	130	0	6.58	4,760

MUDDY CREEK NEAR ALMONT, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	29.1	1.1	0.7	0.94	58
November	36.4	1.9	.6	1.21	72
December	12.8	1.0	.1	.41	25
January	2.7	.1	0	.09	5.4
February	452.4	80	0	16.2	897
March	4,511.0	700	9.0	146	8,950
April	99.8	9.4	1.5	3.33	198
May	51.8	2.4	1.2	1.67	103
June	858.6	305	1.2	28.6	1,700
July	780.0	110	1.3	25.2	1,550
August	18.9	1.0	.4	.61	37
September	24.9	1.4	.4	.83	49
Water year 1945-46	6,878.4	700	0	18.8	13,640

APPLE CREEK NEAR MENOKEN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	24.9	1.0	.6	.80	49
November	26.5	1.1	.6	.88	53
December	15.5	-------	-------	.5	31
January	9.3	-------	-------	.3	18
February	5.6	-------	-------	.2	11
March	1,898	200	1	61.2	3,760
April	649.8	40	8.5	21.7	1,290
May	163.6	8.0	2.6	5.28	324
June	60.2	3.3	.8	2.01	119
July	41.1	4.0	.5	1.33	82
August	5.9	.5	0	.19	12
September	18.1	4.0	0	.60	36
Water year 1945-46	2,918.5	200	0	8.00	5,780

CANNONBALL RIVER NEAR NEW LEIPZIG, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	380	14	10	12.2	754
November	901	94	11	30.0	1,790
December	280	13	4	9.0	555
January	167	8	4	5.4	331
February	1,602	200	4	57.2	3,180
March	21,051	4,080	15	679	41,750
April	2,030	200	26	67.7	4,030
May	923	95	20	29.8	1,830
June	3,407	343	16	114	6,760
July	1,183	263	11	38.2	2,350
August	362.3	35	4.4	11.7	719
September	129.7	10	1.7	4.32	257
Water year 1944-45	32,416	4,080	1.7	88.8	64,300

CANNONBALL RIVER NEAR NEW LEIPZIG, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	155.7	11	2.3	5.02	309
November	191.2	9.4	5.0	6.37	379
December	89	6	1	2.9	177
January	55	2	1	1.8	109
February	253	60	0	9.0	502
March	1,580	107	20	51.0	3,130
April	651.5	63	5.8	21.7	1,290
May	213.0	15	2.7	6.87	422
June	335.3	41	2.1	11.2	665
July	1,046.0	178	1.3	33.7	2,070
August	120.3	28	.3	3.88	239
September	83.4	5.8	1.0	2.78	165
Water year 1945-46	4,773.4	178	0	13.1	9,460

CANNON BALL RIVER NEAR NEW LEIPZIG, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	208.3	12	1.8	6.72	413
November	246.1	15	4	8.20	488
December	150	6	3	4.8	298
January	644	130	2	20.8	1,280
February	6,099	1,000	11	218	12,100
March	13,855	4,600	15	447	27,480
April	10,711	2,030	53	357	21,240
May	783	45	14	25.3	1,550
June	14,095	3,110	12	470	27,960
July	2,836	338	17	91.5	5,630
August	351.6	17	4.5	11.3	697
September	156.2	6.9	2.9	5.21	310
Water year 1946-47	50,135.2	4,600	1.8	137	99,450

CANNONBALL RIVER AT BREIEN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	803	50	20	25.9	1,590
November	2,195	150	21	73.2	4,350
December	656	33	8	21.2	1,300
January	397	20	7	12.8	787
February	6,620	1,000	10	236	13,130
March	42,883	6,020	55	1,383	85,060
April	7,696	750	91	257	15,260
May	2,991	214	66	96.5	5,930
June	9,671	775	66	322	19,180
July	2,051	174	28	66.2	4,070
August	1,327	128	17	42.8	2,630
September	685.9	99	7.6	22.9	1,360
Water year 1944-45	77,975.9	6,020	7	214	154,647

CANNONBALL RIVER AT BREIEN, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	236.8	9.3	6	7.64	470
November	433.6	20	8.6	14.5	860
December	377	21	5	12.2	748
January	114	5	1	3.7	226
February	207	50	1	7.4	411
March	7,961	700	100	257	15,790
April	2,541	205	28	84.7	5,040
May	952	79	13	30.7	1,890
June	2,733	590	13	91.1	5,420
July	5,693	1,280	15	184	11,290
August	406.3	65	3.0	13.1	806
September	561.7	81	1.9	18.7	1,110
Water year 1945-46	22,216.4	1,280	1	60.9	44,060

CEDAR CREEK AT PRETTY ROCK, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	162.8	15	3.0	5.25	323
November	324.3	28	5.7	10.8	643
December	167	10	2	5.4	331
January	70	3	2	2.3	139
February	2,237	300	2	79.9	4,440
March	9,179	1,500	10	296	18,210
April	1,398	164	15	46.6	2,770
May	528.6	36	6.9	17.0	1,050
June	2,519	215	12	84.0	5,000
July	211.9	33	1.5	6.84	420
August	151	45	0.3	4.87	300
September	19.1	1.5	0.1	0.64	38
Water year 1944-45	16,967.7	1,500	0.1	46.5	33,664

CEDAR CREEK AT PRETTY ROCK, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	36.8	2.0	.5	1.19	73
November	67.7	3	1	2.26	134
December	39	3	0	1.3	77
January	31	1	1	1.0	61
February	48	15	0	1.7	95
March	831	60	10	26.8	1,650
April	423.5	56	1.7	14.1	840
May	143.2	13	1.1	4.62	284
June	591.6	212	.7	19.7	1,170
July	1,299.6	184	.6	41.9	2,580
August	6.1	.5	0	.20	12
September	2.9	.7	0	.10	5.8
Water year 1945-46	3,520.4	212	0	9.64	6,980

CEDAR CREEK AT PRETTY ROCK, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	117.8	9.6	0.6	3.80	234
November	88.3	4.5	1.4	2.96	176
December	59	3	1	1.9	117
January	345.0	60	0.5	11.1	684
February	4,777	1,000	5	171	9,480
March	13,543	3,000	10	437	26,860
April	8,954	1,490	38	298	17,760
May	504.1	32	5.4	16.3	1,000
June	9,732.4	2,360	6.1	324	19,300
July	1,635.3	215	8.8	52.8	3,240
August	105.3	7.4	.9	3.40	209
September	14.5	0.9	2	.48	29
Water year 1946-47	39,876.2	3,000	2	109	79,090

NORTH FORK OF GRAND RIVER NEAR HALEY, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	25.8	1.0	.5	.83	51
November	32.1	1.7	1	1.07	64
December	22	1	0	.7	44
January	24	1	0	.8	48
February	17	2	0	.6	34
March	228.1	14	4	7.36	452
April	102.6	12	.7	3.42	204
May	57.6	2.7	1.1	1.86	114
June	236.7	56	2.0	7.89	469
July	201.8	33	1.4	6.51	400
August	12.8	1.2	.2	.41	25
September	11.1	.5	.2	.37	22
Water year 1945-46	971.6	56	0	2.66	1,930

NORTH FORK OF GRAND RIVER NEAR HALEY, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	219.3	49	.4	7.07	435
November	317.4	49	2.0	10.6	630
December	106.7	10	2	3.44	212
January	56	10	1	1.8	111
February	2,729	800	2	97.5	5,410
March	12,064	4,700	5	389	23,930
April	5,854	2,070	16	195	11,610
May	264.2	15	4.1	8.52	524
June	3,155.6	995	3.4	104	6,260
July	1,170.8	258	5.5	37.8	2,320
August	524.3	166	1.2	16.9	1,040
September	36.8	2.3	1.0	1.23	73
Water year 1946-47	26,498.1	4,700	0.4	72.6	52,600

JAMES RIVER AT JAMESTOWN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	104.7	6.0	2.0	3.38	208
November	337.0	25	4.0	11.2	668
December	372.5	50	2.5	12.0	739
January	81.6	5.0	1.5	2.63	162
February	72.3	5.0	1.5	2.58	143
March	4,131.6	324	2	133	8,190
April	2,267	128	28	75.6	4,500
May	842	57	16	27.2	1,670
June	424.1	30	1	14.1	841
July	85.2	18	0.6	2.75	169
August	127.0	33	1.2	4.10	252
September	75.6	10	1.2	2.52	150
Water year 1944-45	8,920.6	324	0.6	24.4	17,692

JAMES RIVER AT JAMESTOWN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	59.7	2.6	1.1	1.93	118
November	42.8	1.6	1.1	1.43	85
December	45.6	2.2	.9	1.47	90
January	43.4	2.2	1.0	1.40	86
February	34.6	1.6	1.0	1.24	69
March	1,885.9	149	1.2	60.8	3,740
April	2,850	159	39	95.0	5,650
May	617	35	11	19.9	1,220
June	156.2	21	.4	5.21	310
July	144.3	26	.9	4.65	286
August	82.2	9.7	.6	2.65	163
September	67.8	17	.5	2.26	134
Water year 1945-46	6,029.5	159	.4	16.5	11,950

RED RIVER AT WAHPETON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	23,362	811	706	754	46,340
November	20,786	773	416	693	41,230
December	13,206	493	236	426	26,190
January	12,057	422	331	389	23,910
February	10,248	429	319	366	20,330
March	38,741	3,740	328	1,250	76,840
April	33,987	1,460	758	1,133	67,410
May	25,963	1,100	706	838	51,500
June	27,488	1,170	729	916	54,520
July	9,546	620	184	308	18,930
August	4,532	202	112	146	8,990
September	4,222	208	94	141	8,370
Water year 1944-45	224,138	3,740	94	614	444,560

RED RIVER AT WAHPETON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	6,957	283	174	224	13,800
November	7,804	361	140	260	15,480
December	6,868	294	176	222	13,620
January	5,882	224	157	190	11,670
February	3,569	160	66	127	7,080
March	25,515	3,030	176	823	50,610
April	33,408	1,510	643	1,114	66,260
May	18,739	748	467	604	37,170
June	10,875	452	305	362	21,570
July	22,198	949	452	716	44,030
August	18,846	731	493	608	37,380
September	15,039	561	452	501	29,830
Water year 1945-46	175,700	3,030	66	481	348,500

RED RIVER AT WAHPETON, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	18,513	784	414	597	36,720
November	17,499	740	350	583	34,710
December	14,960	600	330	483	29,670
January	12,810	480	350	413	25,410
February	9,660	420	270	345	19,160
March	15,080	900	260	486	29,910
April	60,632	4,540	780	2,021	120,300
May	50,430	1,800	1,430	1,627	100,000
June	44,610	1,720	1,210	1,487	88,480
July	33,561	1,470	302	1,083	66,570
August	7,184	368	167	232	14,250
September	6,209	255	135	207	12,320
Water year 1946-47	291,148	4,540	135	798	577,500

RED RIVER AT FARGO, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	23,099	779	709	745	46,030
November	21,904	827	469	730	43,650
December	15,817	767	323	510	31,570
January	13,359	484	383	431	26,690
February	10,898	432	357	389	21,790
March	87,224	7,650	344	2,814	173,200
April	50,120	2,080	1,210	1,671	99,590
May	30,977	1,420	789	999	61,640
June	33,222	1,520	795	1,107	66,120
July	11,638	789	218	375	23,370
August	4,805	215	102	155	9,800
September	4,032	202	89	134	8,260
Water year 1944-45	307,095	7,650	89	841	611,691

RED RIVER OF THE NORTH AT FARGO, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Observed Maximum	Observed Minimum	Adjusted for Diversion Mean	Adjusted for Diversion Run-off in Acre-Feet
1945-1946					
October	6,767	268	177	223	13,690
November	7,446	332	151	253	15,030
December	6,802	295	174	224	13,760
January	5,792	218	162	191	11,750
February	3,159	157	80	117	6,510
March	48,061	5,880	151	1,555	95,590
April	40,425	1,820	836	1,352	80,440
May	19,833	795	557	644	39,620
June	12,613	527	345	425	25,320
July	21,873	935	407	712	43,800
August	18,566	745	502	606	37,240
September	15,113	542	454	509	30,310
Water year 1945-46	206,450	5,880	80	571	413,100

RED RIVER OF THE NORTH AT FARGO, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Observed Maximum	Observed Minimum	Adjusted for Diversion Mean	Adjusted for Diversion Run-off in Acre-Feet
1946-1947					
October	17,927	712	436	584	35,900
November	16,056	676	344	541	32,170
December	15,202	582	353	496	30,500
January	12,829	450	361	419	25,780
February	9,487	428	270	344	19,120
March	15,909	1,200	290	519	31,880
April	106,120	9,200	1,080	3,543	210,800
May	58,300	2,260	1,600	1,887	116,000
June	48,370	1,960	1,380	1,619	96,310
July	35,614	1,490	450	1,158	71,180
August	7,669	420	159	256	15,760
September	6,052	247	138	208	12,400
Water year 1946-47	349,535	9,200	138	964	697,800

a No gage-height record; discharge computed on basis of record for station at Wahpeton.

RED RIVER AT HALSTAD, MINNESOTA
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	-------	-------	-------	-------	-------
November	-------	-------	-------	-------	-------
December	-------	-------	-------	-------	-------
January	-------	-------	-------	-------	-------
February	-------	-------	-------	-------	-------
March	-------	-------	-------	-------	-------
April	139,330	6,840	3,970	4,976	276,400
May	71,310	3,670	1,510	2,300	141,400
June	49,700	2,260	1,260	1,657	98,580
July	-------	-------	-------	-------	-------
August	-------	-------	-------	-------	-------
September	-------	-------	-------	-------	-------
Water year 1944-45	260,340	6,840	1,260	-------	516,380

RED RIVER OF THE NORTH AT HALSTAD, MINN.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	-------	-------	-------	-------	-------
November	-------	-------	-------	-------	-------
December	-------	-------	-------	-------	-------
January	-------	-------	-------	-------	-------
February	-------	-------	-------	-------	-------
March 31	8,610	-------	-------	-------	17,080
April	113,490	7,440	1,820	3,783	225,100
May	43,780	1,750	1,160	1,412	86,840
June	26,377	1,180	669	879	52,320
July 1-3	3,750	-------	-------	-------	7,440
August	-------	-------	-------	-------	-------
September	-------	-------	-------	-------	-------
The period 1945-46	-------	-------	-------	-------	388,800

RED RIVER OF THE NORTH AT HALSTAD, MINN.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	-------	-------	-------	-------	-------
November	-------	-------	-------	-------	-------
December	-------	-------	-------	-------	-------
January	-------	-------	-------	-------	-------
February	-------	-------	-------	-------	-------
March	-------	-------	-------	-------	-------
April 12-30	297,780	24,400	4,340	15,670	590,600
May	96,230	4,220	2,380	3,104	190,900
June	103,610	7,440	2,030	3,454	205,500
July	45,993	2,040	714	1,484	91,230
August	11,220	669	242	362	22,250
September	-------	-------	-------	-------	-------
The period	-------	-------	-------	-------	1,100,000

RED RIVER AT GRAND FORKS, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	74,150	2,680	2,120	2,392	147,100
November	69,640	3,040	1,760	2,321	138,100
December	51,710	2,240	1,140	1,668	102,600
January	42,700	1,430	1,330	1,377	84,690
February	38,440	1,420	1,260	1,373	76,240
March	281,880	21,000	1,230	9,093	559,100
April	365,790	18,300	9,720	12,190	725,500
May	181,720	9,540	3,230	5,862	360,400
June	94,830	3,650	2,480	3,161	188,100
July	50,450	2,410	1,220	1,627	100,100
August	31,537	1,220	851	1,017	62,550
September	40,080	1,860	933	1,336	79,500
Water year 1944-45	1,322,927	21,000	851	3,624	2,623,980

RED RIVER OF THE NORTH AT GRAND FORKS, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	52,570	1,950	1,520	1,696	104,300
November	36,390	1,630	950	1,213	72,180
December	29,510	1,200	830	952	58,530
January	26,760	900	795	863	53,080
February	21,485	900	685	767	42,610
March	200,000	21,900	775	6,452	396,700
April	286,220	19,100	4,410	9,541	567,700
May	107,460	4,190	2,780	3,466	213,100
June	61,380	2,660	1,700	2,046	121,700
July	69,400	3,830	1,490	2,239	137,700
August	38,030	1,460	1,100	1,227	75,430
September	35,650	1,420	1,020	1,188	70,710
Water year 1945-46	964,855	21,900	685	2,643	1,914,000

RED RIVER OF THE NORTH AT GRAND FORKS, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	53,970	2,000	1,350	1,741	107,000
November	43,150	1,800	900	1,438	85,590
December	34,470	1,220	1,040	1,112	68,370
January	33,310	1,160	950	1,075	66,070
February	23,490	990	740	839	46,590
March	42,700	4,300	740	1,377	84,690
April	588,700	34,900	4,800	19,620	1,168,000
May	232,060	13,400	5,080	7,486	460,300
June	309,640	19,000	4,660	10,320	614,200
July	132,910	6,710	1,850	4,287	263,600
August	43,790	1,700	1,260	1,413	86,860
September	41,790	1,620	1,220	1,393	82,890
Water year 1946-47	1,579,980	34,900	740	4,329	3,134,000

RED RIVER OF THE NORTH AT GRAND FORKS, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	49,560	1,660	1,500	1,599	98,300
November	39,890	1,750	760	1,330	79,120
December	38,890	1,460	1,150	1,255	77,140
January	34,300	1,240	910	1,106	68,030
February	26,480	970	870	913	52,520
March	32,260	1,580	880	1,041	63,990
April	593,960	34,000	1,690	19,800	1,178,000
May	242,330	12,300	4,100	7,817	480,700
June	75,070	3,990	1,840	2,502	148,900
July	52,520	2,630	1,250	1,694	104,200
August	35,860	1,460	1,000	1,157	71,130
September	26,747	1,120	647	892	53,050
Water year 1947-48	1,247,867	34,000	647	3,409	2,475,000

RED RIVER OF THE NORTH AT OSLO, MINN.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October					
November					
December					
January					
February					
March 23-31	201,800	24,000		22,420	400,300
April	387,190	21,800	9,920	12,910	768,000
May	185,450	9,680	3,500	5,982	367,800
June	99,410	3,730	2,690	3,314	197,200
July 1-9	20,570	2,580		2,286	40,800
August					
September					
The period					1,774,000

RED RIVER OF THE NORTH AT OSLO, MINN.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October					
November					
December					
January					
February					
March					
April	307,010	21,900	4,620	10,230	608,900
May	107,610	4,280	2,830	3,471	213,400
June	62,220	2,750	1,720	2,074	123,400
July					
August					
September					
The period 1945-46					945,700

RED RIVER OF THE NORTH AT OSLO, MINN.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October					
November					
December					
January					
February					
March					
April 7-30	559,220	33,800	7,800	23,300	1,109,000
May	241,810	15,900	5,170	7,800	479,600
June	320,820	19,400	4,750	10,690	636,300
July	139,550	6,710	2,200	4,502	276,800
August					
September					
The period					2,502,000

RED RIVER OF THE NORTH AT DRAYTON, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	.....	.....	.....	.....	.....
November	.....	.....	.....	.....	.....
December	.....	.....	.....	.....	.....
January	.....	.....	.....	.....	.....
February	.....	.....	.....	.....	.....
March	.....	.....	.....	.....	.....
April	476,200	24,600	11,100	15,870	944,500
May	210,170	11,600	3,990	6,780	416,900
June	105,120	3,940	2,720	3,504	208,500
July	25,880	2,750	1,860	2,353	51,330
August	.....	.....	.....	.....	.....
September	.....	.....	.....	.....	.....
The period	.....	.....	.....	.....	1,621,000

RED RIVER OF THE NORTH AT DRAYTON, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	.....	.....	.....	.....	.....
November	.....	.....	.....	.....	.....
December	.....	.....	.....	.....	.....
January	.....	.....	.....	.....	.....
February	.....	.....	.....	.....	.....
March 26-31	131,600	23,000	20,300	21,930	261,000
April	373,000	22,900	4,990	12,430	739,800
May	114,310	4,780	2,970	3,687	226,700
June	63,950	2,870	1,670	2,132	126,800
July	.....	.....	.....	.....	.....
August	.....	.....	.....	.....	.....
September	.....	.....	.....	.....	.....
The period	.....	.....	.....	.....	1,354,000

RED RIVER OF THE NORTH AT DRAYTON, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	.....	.....	.....	.....	.....
November	.....	.....	.....	.....	.....
December	.....	.....	.....	.....	.....
January	.....	.....	.....	.....	.....
February	.....	.....	.....	.....	.....
March	.....	.....	.....	.....	.....
April 14-30	429,100	29,300	17,300	25,240	851,100
May	321,150	26,100	5,400	10,360	637,000
June	334,320	19,400	4,720	11,140	663,100
July	163,270	7,790	3,140	5,267	323,800
August	54,630	2,740	1,390	1,762	108,400
September	.....	.....	.....	.....	.....
The period Apr. 14 to Aug. 31	.....	.....	.....	.....	2,583,000

RED RIVER AT EMERSON, MANITOBA
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	90,100	3,310	2,520	2,910	178,700
November	120,790	6,240	2,510	4,030	239,600
December	84,710	4,290	1,530	2,730	168,000
January	40,100	1,520	1,180	1,290	79,540
February	38,220	1,420	1,260	1,370	75,810
March	282,760	29,300	1,300	9,120	560,800
April	604,400	29,400	13,700	20,100	1,199,000
May	268,020	13,800	5,000	8,650	531,600
June	121,300	4,780	3,220	4,040	240,600
July	67,800	3,190	1,670	2,190	134,500
August	40,570	1,760	1,120	1,310	80,470
September	53,290	2,400	1,030	1,780	105,700
Water year 1944-45	1,812,070	29,400	1,030	4,960	3,594,000

RED RIVER OF THE NORTH AT EMERSON, MANITOBA
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	61,240	2,370	1,700	1,980	121,500
November	41,944	1,750	994	1,400	83,200
December	30,631	1,140	900	988	60,760
January	29,293	1,000	886	945	58,100
February	22,145	952	644	791	43,920
March	177,888	22,900	701	5,740	352,800
April	439,200	24,100	5,940	14,600	871,100
May	127,690	5,660	3,170	4,120	253,300
June	66,690	3,060	1,780	2,220	132,300
July	75,690	4,310	1,680	2,400	150,100
August	39,470	1,660	1,120	1,270	78,290
September	35,000	1,410	1,030	1,170	69,420
Water year 1945-46	1,146,881	24,100	644	3,140	2,275,000

RED RIVER OF THE NORTH AT EMERSON, MANITOBA
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	51,490	1,920	1,290	1,660	102,100
November	48,500	1,850	1,230	1,620	96,200
December	36,250	1,390	1,010	1,170	71,900
January	31,953	1,110	933	1,030	63,380
February	25,123	987	804	897	49,830
March	32,776	3,050	813	1,060	65,010
April	534,900	28,400	3,730	17,800	1,061,000
May	370,240	28,100	5,670	11,900	734,400
June	361,510	20,900	5,250	12,100	717,000
July	179,320	9,090	3,230	5,780	355,700
August	62,910	3,000	1,640	2,030	124,800
September	47,130	1,740	1,400	1,570	93,480
Water year 1946-47	1,782,102	28,400	804	4,880	3,535,000

BOISE DE SIOUX RIVER NEAR WHITE ROCK, S. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	87.4	11	0	2.82	173
November	37.8	5.7	0	1.26	75
December	3.0	------	------	0.10	6
January	0	0	0	0	0
February	0	0	0	0	0
March	491.9	104	0	15.9	976
April	11,256	875	227	375	22,330
May	1,284	255	9.0	41.4	2,550
June	6,419	437	32	214	12,730
July	182.1	12	3	5.87	361
August	99.4	9.5	0.8	3.21	197
September	34.6	2.6	0.2	1.15	69
Water year 1944-45	19,895.2	875	0	54.5	39,467

BOIS DE SIOUX RIVER NEAR WHITE ROCK, S. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	96.4	4.9	1.7	3.11	191
November	33.8	3.8	.2	11.3	67
December	8.5	1.2	0	.27	17
January	0	0	0	0	0
February	0	0	0	0	0
March	872.0	130	0	28.1	1.730
April	15,914.0	825	7.5	530	31,560
May	767.1	90	3.8	24.7	1,520
June	393.8	36	5.3	13.1	781
July	1,199.1	185	2.1	38.7	2,380
August	129.3	7.5	2.0	4.17	256
September	69.5	3.8	1.6	2.32	138
Water year 1945-46	19,483.5	825	0	53.4	38,640

WILD RICE NEAR MANTADOR, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	451.1	24	8.2	14.6	895
November	535.2	29	6.7	17.8	1,060
December	96.6	------	------	3.12	192
January	------	------	------	------	------
February	------	------	------	------	------
March	11,586	924	0.0	374	22,980
April	8,310	479	214	277	16,480
May	2,915	205	42	94	5,780
June	3,003	162	25	100	5,960
July	299.2	24	3.6	9.65	593
August	55.9	6.2	0	1.80	111
September	46.5	8.0	0	1.55	92
Water year 1944-45	27,298.5	924	0	74.8	54,143

WILD RICE RIVER NEAR MANTADOR, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	35.4	2.2	.6	1.14	70
November	69.6	4.8	.4	2.32	138
December	16.1	1.5	0	.52	32
January	0	0	0	0	0
February	0	0	0	0	0
March	3,254	290	0	105	6,450
April	4,050	247	35	135	8,030
May	453.9	31	5.9	14.6	900
June	168.9	18	1.5	5.63	335
July	572.7	73	3.6	18.5	1,140
August	11.6	2.6	0	.37	23
September	29.6	3.6	0	.99	59
Water year 1945-46	8,661.8	290	0	23.7	17,180

WILD RICE RIVER NEAR ABERCROMBIE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	64.5	4.4	1.1	2.08	128
November	78.6	3.6	1.8	2.62	156
December	21.5	1.9	0	.69	43
January	0	0	0	0	0
February	0	0	0	0	0
March	16,663	2,300	0	538	33,050
April	6,077	343	69	203	12,050
May	836	58	11	27.0	1,660
June	246.3	24	3.6	8.21	489
July	947.2	84	9.2	30.6	1,880
August	78.4	17	0	2.53	156
September	3.6	.8	0	.12	7.1
Water year 1945-46	25,016.1	2,300	0	68.5	49,620

WILD RICE RIVER NEAR ABERCROMBIE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	609	26	15	19.6	1,210
November	972	74	13	32.4	1,930
December	396.5	28	1.9	12.8	786
January	27.6	1.8	.6	.89	55
February	35.1	1.4	.8	1.25	70
March	31,181.7	2,800	1.4	1,010	61,850
April	12,374	780	261	412	24,540
May	4,041	261	60	130	8,020
June	4,723	433	40	157	9,370
July	490.5	38	7.7	15.8	973
August	129.9	7.7	.6	4.19	258
September	65.8	9.7	0	2.19	131
Water year 1945	55,046.1	2,800	0	151	109,200

ANTELOPE CREEK AT DWIGHT, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	22.6	1.3	0.4	0.73	45
November	117.7	13	.5	3.92	233
December	10.9	2.7	0	135	22
January	0	0	0	0	0
February	0	0	0	0	0
March	5,351	850	0	173	10,610
April	786.6	55	9.6	26.2	1,560
May	112.9	11	.8	3.64	224
June	488.5	104	.1	16.3	969
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1944-45	6,890.2	850	0	18.9	13,660

ANTELOPE CREEK AT DWIGHT, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
March	6,742	1,260	.....	217	13,370
April	312.8	32	.2	10.4	620
May	1.5	.4	0	.05	3.0
June	0	0	0	0	0
July	210.6	34	0	6.79	418
August	1.1	.3	0	.04	2.2
September	0	0	0	0	0
Water year 1945-46	7,268.0	1,260	0	19.9	14,410

SHEYENNE RIVER NEAR HARVEY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
November	8.8	.6	0	.29	17
December	12.4	.7	.2	.40	25
January	3.0	.2	0	.10	6.0
February	0	0	0	0	0
March	718.1	119	0	23.2	1,420
April	214.8	23	2.4	7.16	426
May	35.5	2.0	0	1.15	70
June	5.8	3.1	0	.19	12
July	69.9	8.4	.2	2.25	139
August	0.4	.2	0	.01	.8
September	0	0	0	0	0
Water year 1945-46	1,068.7	119	0	2.93	2,120

SHEYENNE RIVER AT SHEYENNE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	9.6	2.0	0	0.31	19
November	302.2	27	0	10.1	599
December	162.3	10	2.5	5.24	322
January	12.5	2	0	0.4	25
February	5.6	-------	-------	0.2	11
March	6,614.2	901	0.2	213	13,120
April	1,058.8	84	7.4	35.3	2,100
May	328	25	3.0	10.6	651
June	221.1	16	1.6	7.37	439
July	28.7	3.6	0	0.93	57
August	117.9	16	0	3.8	234
September	1.2	-------	-------	0.4	2.4
Water year 1944-45	8,862.1	901	0	24.3	17,579.4

SHEYENNE RIVER AT SHEYENNE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	3.7	1.0	0	0.12	7.3
November	.5	.5	0	.02	1.0
December	24.1	2.0	0	.78	48
January	14.6	1.0	0	.47	29
February	0	0	0	0	0
March	7,943	1,120	0	256	15,750
April	1,557.6	157	6.6	51.9	3,090
May	186.9	22	.3	6.03	371
June	84.2	14	0	2.81	167
July	2,274.9	443	2.4	73.4	4,510
August	179.8	27	.1	5.80	357
September	41.0	14	0	1.37	81
Water year 1945-46	12,310.3	1,120	0	33.7	24,410

SHEYENNE RIVER NEAR COOPERSTOWN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	-------	-------	-------	-------	-------
November	-------	-------	-------	-------	-------
December	-------	-------	-------	-------	-------
January	-------	-------	-------	-------	-------
February	-------	-------	-------	-------	-------
March	1,037	-------	-------	-------	2,060
April	3,845	278	64	128	7,630
May	2,424	100	61	78.2	4,810
June	1,968	114	26	65.6	3,900
July	613	37	11	19.8	1,220
August	265.8	24	2.6	8.57	527
September	306.3	29	2.0	10.2	608
Water year 1944-45	10,459.1	278	2.0	-------	20,755

SHEYENNE RIVER NEAR COOPERSTOWN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	289.8	28	3.4	9.35	575
November	385	18	11	12.8	764
December	262.4	11	5.6	8.46	520
January	292.5	11	8.1	9.44	580
February	103.9	10	1.9	3.71	206
March	11,484.3	958	6.5	370	22,780
April	8,921	964	70	297	17,690
May	1,641	68	37	52.9	3,250
June	722	40	15	24.1	1,430
July	1,919	348	10	61.9	3,810
August	1,052.9	142	7.6	34.0	2,090
September	389.9	25	4.5	13.0	773
Water year 1945-46	27,463.7	964	1.9	75.2	54,470

SHEYENNE RIVER NEAR COOPERSTOWN, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	722	35	17	23.3	1,430
November	545	26	13	18.2	1,080
December	298	15	6	9.6	591
January	240	30	5	7.7	476
February	125	10	2	4.5	248
March	4,704	490	1	152	9,330
April	12,466	1,100	104	416	24,730
May	2,067	101	52	66.7	4,100
June	1,931	193	44	64.4	3,830
July	909	77	12	29.3	1,800
August	450.1	28	5.5	14.5	893
September	161.4	18	1.9	5.38	320
Water year 1946-47	24,618.5	1,100	1	67.4	48,830

SHEYENNE RIVER AT VALLEY CITY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	659	31	16	21.3	1,310
November	1,640	99	20	54.7	3,250
December	961	53	11	31.0	1,910
January	320.4	12	7.8	10.3	636
February	346.2	27	9.0	12.4	687
March	13,877	1,010	10	448	27,520
April	5,041	375	76	168	10,000
May	2,826	113	71	91.2	5,610
June	2,383	121	34	79.4	4,730
July	822	39	16	26.5	1,630
August	799.4	113	0.8	25.8	1,590
September	363	29	1.0	12.1	720
Water year 1944-45	30,038	1,010	0.8	82.3	59,593

SHEYENNE RIVER AT VALLEY CITY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	263.9	24	2.5	8.51	523
November	438	21	10	14.6	869
December	302.3	14	5.3	9.75	600
January	313.2	11	9.2	10.1	621
February	141.8	12	1.8	5.06	281
March	12,761.6	1,130	2.8	412	25,310
April	11,425	976	88	381	22,660
May	2,174	88	50	70.1	4,310
June	1,107	84	19	36.9	2,200
July	1,432.6	267	3.0	46.2	2,840
August	1,443.5	228	3.7	46.6	2,860
September	607.9	43	4.9	20.3	1,210
Water year 1945-46	32,410.8	1,130	1.8	88.8	64,280

SHEYENNE RIVER AT VALLEY CITY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	1,101	62	19	35.5	2,180
November	742	35	16	24.7	1,470
December	355.8	17	7.0	11.5	706
January	473.7	68	5.3	15.3	940
February	241.2	21	2.6	8.61	478
March	7,159.3	800	1.8	231	14,200
April	18,886	1,890	149	630	37,460
May	2,699	146	60	87.1	5,350
June	2,857	199	50	95.2	5,670
July	1,099.8	81	9.8	35.5	2,180
August	395.4	38	4.3	12.8	784
September	47.6	4.1	.9	1.59	94
Water year 1946-47	36,057.8	1,890	.9	98.8	71,510

SHEYENNE RIVER AT WEST FARGO, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	2,444	97	59	78.8	4,850
November	2,775	120	66	92.5	5,500
December	1,883	85	40	60.7	3,730
January	1,380	68	34	44.5	2,740
February	1,317	50	40	47.0	2,610
March	17,139	1,330	40	553	33,990
April	13,689	975	226	456	27,150
May	5,841	221	149	188	11,590
June	4,804	199	110	160	9,530
July	2,446	109	62	78.9	4,850
August	1,959	95	42	63.2	3,890
September	1,130	52	31	37.7	2,240
Water year 1944-45	56,807	1,330	31	156	112,670

SHEYENNE RIVER AT WEST FARGO, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	1,151	53	30	37.1	2,280
November	1,135	50	28	37.8	2,250
December	823	34	22	26.5	1,630
January	894	32	26	28.8	1,770
February	1,021	42	31	36.5	2,030
March	10,309	1,630	42	333	20,450
April	20,626	1,390	230	688	40,910
May	4,694	219	117	151	9,310
June	3,448	172	93	115	6,840
July	2,747	126	48	88.6	5,450
August	2,301	161	36	74.2	4,560
September	1,260	62	30	42.5	2,500
Water year 1945-46	50,409	1,630	22	138	99,980

MAPLE RIVER AT MAPLETON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	157.0	8.7	3.4	5.06	309
November	434.9	28	6.3	14.5	863
December	150.0	11	1.3	4.84	298
January	10.2	1.5	0	.33	20
February	0	0	0	0	0
March	2,888	230	0	93.2	5,730
April	2,593	315	38	86.4	5,140
May	780	43	14	25.2	1,550
June	495.1	35	3.0	16.5	982
July	111.5	22	.8	3.60	221
August	104.6	6.6	.3	3.37	207
September	14	3	.1	.47	28
Water year 1944-45	7,738.3	315	0	21.2	15,350

MAPLE RIVER AT MAPLETON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	40.8	3.6	0.6	1.32	81
November	70.5	6.6	.7	2.35	140
December	24.6	1.4	.1	.79	49
January	3.1	.1	.1	.10	6.1
February	.9	.1	0	.03	1.8
March	3,591.1	527	.2	116	7,120
April	2,094	149	18	69.8	4,150
May	273.5	17	6.3	8.82	542
June	281.2	21	5.5	9.37	558
July	136.8	11	.3	4.41	271
August	1.3	.2	0	.04	2.6
September	3.8	1.9	0	.13	7.5
Water year 1945-46	6,521.6	527	0	17.9	12,930

RUSH RIVER AT AMENIA, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
July 8-31	6.8	1.1	0	.28	13
August	0	0	0	0	0
September	0	0	0	0	0
The period	------	------	------	------	13

GOOSE RIVER NEAR PORTLAND, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
March	3,508	520	0	113	6,960
April	546.6	50	4.5	18.2	1,080
May	86.8	3.8	1.4	2.80	172
June	26.3	2.6	0	.88	52
July	21.1	2.7	0	.68	42
The period 1945-46	4,188.8	520	0	11.5	8,310

GOOSE RIVER NEAR PORTLAND, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
January	0	0	0	0	0
February	0	0	0	0	0
March	1,617	260	0	52.2	3,210
April	1,949.3	200	6.5	65.0	3,870
May	92.9	6.1	.8	3.00	184
June	441.7	41	1.5	14.7	876
July	21.1	1.8	0	.68	42
August	.6	.3	0	.02	1.2
September	0	0	0	0	0
Water year 1946-47	4,122.6	260	0	11.3	8,180

GOOSE RIVER AT HILLSBORO, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	88.9	4.8	1.4	2.87	176
November	403.6	36.0	1.8	13.5	801
December	173.5	14.0	1.4	5.6	344
January	20.5	1.4	0.4	0.66	41
February	18.0	0.9	0.4	0.64	36
March	3,052.5	283.0	0.2	98.5	6,050
April	1,215.0	90.0	18.0	40.5	2,410
May	564.0	27.0	13.0	18.2	1,120
June	513.2	27.0	6.4	17.1	1,020
July	185.5	38.0	0.9	5.98	368
August	40.4	4.1	0.4	1.3	80
September	32.6	2.8	0.0	1.09	65
Water year 1944-45	6,307.7	283.0	0.0	17.3	12,511

GOOSE RIVER AT HILLSBORO, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	51.4	2.8	.7	1.66	102
November	15.8	.9	.3	.53	31
December	15.8	.9	.4	.51	31
January	14.6	.7	.4	.47	29
February	15.6	2.3	.4	.56	31
March	6,504.2	1,200	.3	210	12,900
April	1,548	122	18	51.6	3,070
May	496	27	11	16.0	984
June	273.2	27	3.8	9.11	542
July	274.5	23	2.2	8.85	544
August	16.8	1.9	0	.54	33
September	25.1	4.8	0	.84	50
Water year 1945-46	9,251.0	1,200	0	25.3	18,350

GOOSE RIVER AT HILLSBORO, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	42.3	4.1	0.6	1.36	84
November	43.9	2.8	.9	1.46	87
December	20.8	1.4	.2	.67	41
January	6.7	.4	.1	.22	13
February	3.9	.4	0	.14	7.7
March	3,765.5	650	0	121	7,470
April	11,841	1,660	72	395	23,490
May	1,187	68	14	38.3	2,350
June	1,559	120	12	52.0	3,090
July	284.3	20	2.6	9.17	564
August	60.2	2.9	1.4	1.94	119
September	26.6	1.4	.7	.89	53
Water year 1946-47	18,841.2	1,660	0	51.6	37,370

TURTLE RIVER AT MANVEL, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	64.3	3.7	1.3	2.07	128
November	54.2	4.9	.2	1.81	108
December	11.4	.9	.1	.37	23
January	3.1	.1	.1	.10	6.1
February	2.8	.1	.1	.10	5.6
March	4,355.2	650	.1	140	8,640
April	1,062	100	10	35.4	2,110
May	244.0	11	3.7	7.87	484
June	152.5	15	2.7	5.08	302
July	1,486.5	277	.8	48.0	2,950
August	8.9	1.1	.1	.29	18
September	171.5	21	.2	5.72	340
Water year 1945-46	7,616.4	650	.1	20.9	15,110

FOREST RIVER NEAR FORDVILLE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	87.7	3.2	2.2	2.83	174
November	255.8	25	2.4	8.53	507
December	201.4	8.5	2.4	6.50	399
January	114.9	5.0	2.2	3.71	228
February	137.7	5.6	4.3	4.92	273
March	2,561.6	224	5.0	82.6	5,080
April	609	63	12	20.3	1,210
May	355	15	10	11.5	704
June	263.8	16	4.5	8.79	523
July	121.1	4.4	3.0	3.91	240
August	50.7	2.9	1.0	1.64	101
September	84.5	5.0	1.0	2.82	168
Water year 1944-45	4,843.2	224	1.0	13.3	9,607

FOREST RIVER AT FORDVILLE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	91.7	3.8	2.3	2.96	182
November	111.4	4.0	3.5	3.71	221
December	117.8	4.2	3.5	3.80	234
January	142.4	4.8	4.0	4.59	282
February	118.2	4.8	3.8	4.22	234
March	3,772.4	900	4.5	122	7,480
April	599.9	49	8.9	20.0	1,190
May	223.4	9.8	5.2	7.21	443
June	210.7	19	4.7	7.02	418
July	123.0	8.9	2.2	3.97	244
August	71.3	3.6	2.0	2.30	141
September	129.1	14	2.4	4.30	256
Water year 1945-46	5,711.3	900	2.0	15.6	11,320

FOREST RIVER AT MINTO, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	75.5	3.0	2.3	2.44	150
November	440.0	26	2.3	14.7	873
December	347.2	18	3.7	11.2	689
January	79.2	4.5	1.2	2.55	157
February	45.8	2.3	1.2	1.64	91
March	2,776.2	239	0.8	89.6	5,510
April	1,418	127	24	47.3	2,810
May	622	24	18	20.1	1,230
June	455.6	19	9.3	15.2	904
July	173.2	9.3	2.3	5.59	344
August	89.8	4.5	.5	2.90	178
September	29.6	3.0	0	.99	59
Water year 1944-45	6,552.6	239	0	18.0	12,995

FOREST RIVER AT MINTO, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	65.6	4.6	0.8	2.12	130
November	82.7	3.8	2.1	2.76	164
December	32.7	2.0	.6	1.05	65
January	15.5	.5	.5	.50	31
February	5.5	.5	0	.20	11
March	4,802.0	1,000	0	155	9,520
April	1,267	109	21	42.2	2,510
May	328.6	18	7.0	10.6	652
June	267.0	13	7.0	8.90	530
July	166.1	13	0	5.36	329
August	0	0	0	0	0
September	89.3	12	0	2.98	177
Water year 1945-46	7,122.0	1,000	0	19.5	14,120

SOUTH BRANCH PARK RIVER NEAR PARK RIVER, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	11.1	0.6	0.2	.36	22
November	111	8.0	1	3.7	220
December	86.1	4.1	1	2.78	171
January	8.5	0.5	0.1	2.74	17
February	5.6	0.2	0.2	0.20	11
March	4,772.8	581	0.2	154	9,470
April	703	56	11	23.4	1,390
May	354.6	18	6.1	11.4	703
June	202.5	17	1.1	6.75	402
July	74.8	6.1	0.1	2.41	148
August	7.0	0.4	0.1	2.25	14
September	4.9	0.2	0.1	1.63	9.7
Water year 1944-45	6,341.9	581	0.1	17.4	12,577.7

SOUTH BRANCH OF PARK RIVER NEAR PARK RIVER, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	5.6	.2	.1	.18	11
November	4.5	.2	.1	.15	8.9
December	3.1	.1	.1	.10	6.1
January	3.1	.1	.1	.10	6.1
February	2.8	.1	.1	.10	5.6
March	2,854.0	400	.1	92.0	5,660
April	531.2	39	4.8	17.7	1,050
May	113.2	8.6	2.3	3.65	225
June	82.0	25	.1	2.73	163
July	3.5	.5	0	.11	6.9
August	3.1	.1	.1	.10	6.1
September	15.9	2.3	.1	.53	32
Water year 1945-46	3,622.0	400	0	9.92	7,180

PARK RIVER AT GRAFTON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	25.9	4.0	0.4	0.84	51
November	436.5	35	0.5	14.6	866
December	216.6	29	0.4	6.99	430
January	8.2	.3	0.2	0.26	16
February	6.4	.3	0.2	0.23	13
March	12,709.8	1,140	0.1	410	25,210
April	4,029	536	52	134	7,990
May	1,758	75	44	56.7	3,490
June	945	54	21	31.5	1,870
July	227.4	20	1.6	7.34	451
August	26.2	.2	.1	0.85	52
September	18.3	1.6	.1	0.61	36
Water year 1944-45	20,407.3	1,140	.1	55.9	40,475

PARK RIVER AT GRAFTON, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	5.0	.3	.1	.16	9.9
November	6.3	.4	.2	.21	12
December	4.3	.3	.1	.14	8.5
January	3.1	.1	.1	.10	6.1
February	3.5	.2	.1	.12	6.9
March	7,336.5	1,150	.1	237	14,550
April	2,055	147	28	68.5	4,080
May	295.8	19	4.5	9.54	587
June	147.9	9.4	3.0	4.93	293
July	39.3	6.3	0	1.27	78
August	4.0	1.1	0	.13	7.9
September	11.2	2.2	0	.37	22
Water year 1945-46	9,911.9	1,150	0	27.2	19,660

PEMBINA RIVER NEAR MANITOU, MANITOBA, CANADA
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	------	------	------	------	------
November	------	------	------	------	------
December	------	------	------	------	------
January	------	------	------	------	------
February	------	------	------	------	------
March	7,414	1,480	472	927	14,710
April	25,535	980	700	851	50,650
May	16,256	710	383	524	32,240
June	8,259	366	192	275	16,380
July	6,156	480	136	199	12,210
August	2,961	131	70	95.5	5,870
September	1,913	81	54	63.8	3,790
Water year 1944-45	68,494	1,480	54	------	135,800

PEMBINA RIVER NEAR MANITOU, MANITOBA, CANADA
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	1,308.7	54	35.6	42.2	2,600
November	------	------	------	------	------
December	------	------	------	------	------
January	------	------	------	------	------
February	------	------	------	------	------
March 23-31	5,696	863	559	633	11,300
April	13,644	616	293	455	27,060
May	5,595	279	87	181	11,100
June	1,837.0	87	36.8	61	3,640
July	1,102.4	50	22.5	35.6	2,190
August	540.0	21.0	14.4	17.4	1,070
September	328.4	13.0	6.8	10.9	652

PEMBINA RIVER NEAR MANITOU, MANITOBA, CANADA
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	429.5	17.5	10.0	13.9	852
November 1-15	189.5	17.0	10.5	12.6	376
December	------	------	------	------	------
January	------	------	------	------	------
February	------	------	------	------	------
March 30-31	125	75	50	63	248
April	9,742	516	100	325	19,320
May	6,484	283	137	209	12,860
June	2,543	134	54	85	5,040
July	1,118.5	77	26.0	37.0	2,220
August	1,587.1	83	25.5	51	3,150
September	1,363.6	49.8	40.8	45.5	2,700

PEMBINA RIVER NEAR WALHALLA, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	5,612	242	135	181	11,130
November	6,389	938	80	213	12,670
December	2,768	135	50	89.3	5,490
January	1,299	50	36	41.9	2,580
February	1,161	47	34	41.5	2,300
March	24,915	2,780	32	804	49,420
April	30,182	1,560	876	1,006	59,870
May	21,441	899	531	692	42,530
June	11,188	527	24.8	373	22,190
July	6,963	375	175	225	13,810
August	3,663	166	80	118	7,270
September	2,401	97	70	80	4,760
Water year 1944-45	117,982	2,780	32	323	234,020

PEMBINA RIVER NEAR WALHALLA, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	1,729	69	40	55.8	3,430
November	907	47	24	30.2	1,800
December	504	26	10	16.3	1,000
January	293.2	10	7.9	9.46	582
February	223.9	8.8	7.5	8.00	444
March	19,241	1,910	7.9	621	38,160
April	18,780	911	382	626	37,250
May	7,521	371	135	243	14,920
June	2,543	123	56	84.8	5,040
July	1,521	86	31	49.1	3,020
August	644	29	15	20.8	1,280
September	448.2	21	9.4	14.9	889
Water year 1945-46	54,355.3	1,910	7.5	149	107,800

PEMBINA RIVER NEAR WALHALLA, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	668	29	16	21.5	1,320
November	603	28	14	20.1	1,200
December	289	14	4	9.3	573
January	151	12	2	4.9	300
February	77.9	4	1.3	2.78	155
March	373.8	100	.4	12.1	741
April	16,960	1,240	200	565	33,640
May	7,996	371	188	258	15,860
June	5,112	266	144	170	10,140
July	2,105	121	38	67.9	4,180
August	3,975	958	36	128	7,880
September	1,671	69	48	55.7	3,310
Water year 1946-47	39,981.7	1,240	.4	110	79,300

PEMBINA RIVER AT NECHE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	6,298	274	153	203	12,490
November	7,012	680	77	234	13,910
December	3,256	181	54	105	6,460
January	1,329	53	36	42.9	2,640
February	1,387	56	42	49.5	2,750
March	22,966	2,400	38	741	45,550
April	32,391	1,730	918	1,080	64,250
May	23,542	933	607	759	46,690
June	13,179	597	305	439	26,140
July	7,968	352	213	257	15,800
August	4,413	204	101	142	8,750
September	2,892	111	79	96.4	5,740
Water year 1944-45	126,633	2,400	36	347	251,170

PEMBINA RIVER AT NECHE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	2,071	79	54	66.8	4,110
November	1,069	53	23	35.6	2,120
December	673	34	11	21.7	1,330
January	278.5	11	8.1	8.98	552
February	250.8	9.3	8.1	8.96	497
March	17,619.5	2,070	8.1	568	34,950
April	20,221	917	450	674	40,110
May	8,996	430	172	290	17,840
June	3,402	165	77	113	6,750
July	2,094	96	44	67.5	4,150
August	992	42	23	32	1,970
September	609.3	28	9.3	20.3	1,210
Water year 1945-46	58,276.1	2,070	8.1	160	115,600

PEMBINA RIVER AT NECHE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	915	39	27	29.5	1,810
November	683	42	12	22.8	1,350
December	229.0	11	3.0	7.39	454
January	54.7	3.0	.8	1.76	108
February	33.5	1.5	.6	1.20	66
March	31.8	2.6	.6	1.03	63
April	18,270.4	1,290	3.4	609	36,240
May	9,050	387	213	292	17,950
June	5,994	278	147	200	11,890
July	2,726	159	53	87.9	5,410
August	3,793	566	46	122	7,520
September	1,950	87	56	65.0	3,870
Water year 1946-47	43,730.4	1,290	.6	120	86,730

PEMBINA RIVER AT NECHE, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	1,658	66	48	53.5	3,290
November	844	48	18	28.1	1,670
December	478	20	12	15.4	948
January	436	16	10	14.1	865
February	159	9	5	5.5	315
March	156	6	5	5.0	309
April	27,907	3,600	6	930	55,350
May	27,542	1,310	654	888	54,630
June	12,387	628	274	413	24,570
July	9,671	510	213	312	19,180
August	6,106	255	165	197	12,110
September	3,517	162	84	117	6,980
Water year 1947-48	90,861	3,600	5	248	180,200

TONGUE RIVER AT CAVALIER, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	112.8	4.8	3.2	3.64	224
November	1,358.9	321	3.4	45.3	2,700
December	310.2	18	4.4	10.0	615
January	113.1	4.4	3.1	3.65	224
February	79.3	3.4	2.4	2.83	157
March	5,717.3	855	2.2	184	11,340
April	1,808	130	38	60.3	3,590
May	1,318	114	27	42.5	2,610
June	899	130	13	30.0	1,780
July	530.5	114	5.7	17.1	1,050
August	106.9	6.2	1.8	3.45	212
September	127.1	8.1	1.8	4.24	252
Water year 1944-45	12,481.1	855	1.8	34.2	24,754

TONGUE RIVER AT CAVALIER, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	107.1	5.1	2.3	3.45	212
November	115.5	5.3	3.0	3.85	229
December	75.8	4.1	1.0	2.45	150
January	48.4	1.8	1.1	1.56	96
February	36.3	1.4	1.2	1.30	72
March	2,826.3	363	1.2	91.2	5,610
April	981	77	11	32.7	1,950
May	370.0	18	9.2	11.9	734
June	184.4	11	3.4	6.15	366
July	86.7	9.4	.7	2.80	172
August	13.9	1.1	.2	.45	28
September	72.1	7.9	.1	2.40	143
Water year 1945-46	4,917.5	363	.1	13.5	9,760

TONGUE RIVER AT CAVALIER, N. DAK.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	118.2	7.0	2.0	3.81	234
November	83.7	4.5	1.1	2.79	166
December	28.9	2.5	0	.93	57
January	1.0	.1	0	.03	2.0
February	0	0	0	0	0
March	15	10	0	.5	30
April	2,465	300	24	82.2	4,890
May	419.3	24	7.9	13.5	832
June	1,077.6	128	7.9	35.9	2,140
July	282.4	24	3.9	9.11	560
August	139.1	7.9	1.5	4.49	276
September	61.8	6.1	.4	2.06	123
Water year 1946-47	4,692.0	300	0	12.9	9,310

SOURIS RIVER NEAR SHERWOOD, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	442.6	18	8.5	14.3	878
November	336.5	26	4.6	11.2	667
December	130.2	5.8	1.6	4.2	258
January	50.2	2	1.0	1.62	100
February	40.3	1.7	1.2	1.44	79.9
March	873.6	105	1.1	28.2	1,730
April	963	68	20	32.1	1,910
May	482	20	13	15.5	956
June	518	27	13	17.3	1,030
July	928	56	15	29.9	1,840
August	313.4	17	2.7	10.1	622.
September	66	4.4	1.0	2.2	131
Water year 1944-45	5,143.8	105	1.0	14.1	10,201.9

SOURIS RIVER NEAR SHERWOOD, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	117.0	4.7	2.4	3.77	232
November	118.5	6.0	2.4	3.95	235
December	25.6	2.4	0	.83	51
January	0	0	0	0	0
February	.5	.1	0	.02	1.0
March	17,162	1,980	0	554	34,040
April	8,599	863	55	287	17,060
May	1,076	54	27	34.7	2,130
June	700	36	11	23.3	1,390
July	439.2	23	8.8	14.2	871
August	185.6	15	3.2	5.99	368
September	52.3	4.4	.8	1.74	104
Water year 1945-46	28,475.7	1,980	0	78.0	56,480

SOURIS RIVER NEAR SHERWOOD, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	95.6	5.8	1.9	3.08	190
November	58.5	2.6	1.6	1.95	116
December	34.9	1.6	.5	1.13	69
January	22.5	.8	.7	.73	45
February	13.0	.6	.1	.46	26
March	1,692.4	900	.1	54.6	3,360
April	48,080	2,250	840	1,603	95,370
May	11,310	721	168	365	22,430
June	6,544	682	58	218	12,980
July	4,417	473	38	142	8,760
August	919	42	21	29.6	1,820
September	713.6	46	6.9	23.8	1,420
Water year 1946-47	73,900.5	2,250	.1	202	146,600

SOURIS RIVER NEAR SHERWOOD, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	410.2	29	4.5	13.2	814
November	287.3	14	6.2	9.58	570
December	329	13	8	10.6	653
January	247	12	4	7.97	490
February	174	6	6	6.0	345
March	161	6	4	5.2	319
April	41,111	7,380	5	1,370	81,540
May	73,509	7,070	262	2,371	145,800
June	5,040	248	118	168	10,000
July	2,870	140	74	92.6	5,690
August	1,500	149	23	48.4	2,980
September	375.4	21	8.4	12.5	745
Water year 1947-48	126,013.9	7,380	4	344	249,900

SOURIS RIVER NEAR FOXHOLM, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	3,121	107	87	101	6,190
November	3,213	137	60	107	6,370
December	2,644	89	84	85.3	5,240
January	2,622	87	84	84.6	5,200
February	2,097	87	36	74.9	4,160
March	1,377	77	17	44.4	2,730
April	567.1	31	5.7	18.9	1,120
May	409.8	39	1.7	13.2	813
June	138.2	12	0.2	4.6	274
July	15.2	1.4	0.1	0.49	30
August	3.3	1.7	0	0.11	6.5
September	21.0	2	0.3	0.7	42
Water year 1944-45	16,228.6	137	0	44.5	32,175.5

SOURIS RIVER NEAR FOXHOLM, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	12.1	1.1	0.1	0.39	24
November	57.6	32	.3	1.92	114
December	8.6	.4	.2	.28	17
January	13.8	.7	.3	.45	27
February	10.0	.4	.3	.36	20
March	12.0	1.1	.2	.39	24
April	4,211.1	250	.2	140	8,350
May	1,365.9	151	3.4	44.1	2,710
June	73.4	3.4	1.7	2.45	146
July	536.3	58	0	17.3	1,060
August	3.2	.5	0	.10	6.3
September	1,384.2	68	0	46.1	2,750
Water year 1945-46	7,688.2	250	0	21.1	15,250

SOURIS RIVER NEAR FOXHOLM, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	53.7	6.2	.3	1.73	107
November	2,718	112	15	90.6	5,390
December	2,289.6	107	.4	73.9	4,540
January	8.9	.5	.2	.29	18
February	6.4	.3	.2	.23	13
March	5,109.4	950	.2	.65	10,130
April	23,926	1,310	160	798	47,460
May	13,096	1,140	120	422	25,980
June	3,346	157	52	112	6,640
July	10,054	404	187	324	19,940
August	8,122.9	359	9.9	262	16,110
September	1,530.5	110	4.4	51.0	3,040
Water year 1946-47	70,261.4	1,310	.2	192	139,400

SOURIS RIVER NEAR FOXHOLM, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	136.0	13	1.2	4.39	270
November	200.3	9.9	1.2	6.68	397
December	310.8	12	8.2	10.0	616
January	305.6	10	9.0	9.86	606
February	290	10	10	10.0	575
March	4,400	380	10	142	8,730
April	22,032.9	2,090	3.9	734	43,700
May	68,420	2,790	1,560	2,207	135,700
June	13,536.9	1,190	5.2	451	26,850
July	3,338	195	13	108	6,620
August	1,113	106	1.2	35.9	2,210
September	2,946	122	91	98.2	5,840
Water year 1947-48	117,029.5	2,790	1.2	320	232,100

SOURIS RIVER ABOVE MINOT, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	3,501	119	105	113	6,940
November	3,582	142	89	119	7,100
December	2,622	100	82	84.6	5,200
January	2,653	93	84	85.6	5,260
February	2,238	98	38	79.9	4,440
March	2,960	425	36	95.5	5,870
April	921	53	15	30.7	1,830
May	578.5	34	8.1	18.7	1,150
June	416	41	2	13.9	825
July	104.8	8.1	0.8	3.38	208
August	26.1	3.2	0	0.84	52
September	0	0	0	0	0
Water year 1944-45	19,602.4	425	0	53.7	38,875

SOURIS RIVER ABOVE MINOT, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	13.5	1.4	0	.44	27
November	82.3	14	.2	2.74	163
December	41.5	2.0	1.0	1.34	82
January	36.8	1.4	.8	1.19	73
February	15.1	.8	.4	.54	30
March	899.6	124	.4	29	1,780
April	4,403	243	21	147	8,730
May	1,520.7	148	2.7	49.1	3,020
June	57.2	3.6	1.3	1.91	113
July	467.1	57	0	15.1	926
August	1.1	.4	0	.04	2.2
September	1,320.6	69	0	44.0	2,620
Water year 1945-46	8,858.5	243	0	24.3	17,570

SOURIS RIVER ABOVE MINOT, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	110.5	8.7	1.5	3.56	219
November	2,516.4	112	2.3	83.9	4,990
December	2,347.2	105	3.4	75.7	4,660
January	44.5	3.0	1.0	1.44	88
February	17.0	.9	.4	.61	34
March	6,512.5	1,050	.4	210	12,920
April	27,402	1,350	288	913	54,350
May	15,096	1,230	129	487	29,940
June	4,486	332	96	150	8,900
July	9,954	400	118	321	19,740
August	8,176	343	29	264	16,220
September	1,905	115	11	63.5	3,780
Water year 1946-47	78,567.1	1,350	.4	215	155,800

SOURIS RIVER ABOVE MINOT, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	288.9	26	4.6	9.32	573
November	309.9	12	8.7	10.3	615
December	371	12	11	12.0	736
January	344	12	10	11.1	682
February	305	11	10	10.5	605
March	4,057	340	11	131	8,050
April	24,290	1,650	380	810	48,180
May	67,080	2,680	1,760	2,164	133,100
June	15,478	1,660	24	516	30,700
July	4,208	203	53	136	8,350
August	2,386	111	39	77.0	4,730
September	3,299	130	97	110	6,540
Water year 1947-48	122,416.8	2,680	4.6	334	242,900

SOURIS RIVER AT VERENDRYE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	3,615	162	68	117	7,170
November	3,881	157	101	129	7,700
December	2,632	100	79	84.9	5,220
January	2,608	88	79	84.1	5,170
February	2,363	90	81	84	4,690
March	8,274	640	52	267	16,410
April	2,130	171	35	71	4,220
May	1,121	68	24	36.2	2,220
June	967	57	14	32.2	1,920
July	538	28	12	17.4	1,070
August	408.5	23	8	13.2	810
September	222.5	10	6	7.42	441
Water year 1944-45	28,760	640	6	78.8	57,041

SOURIS RIVER AT VERENDRYE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	198.0	9.3	4.2	6.39	393
November	234.0	9.3	6.8	7.80	464
December	213.6	8.2	5.3	6.89	424
January	168.8	6.0	5.0	5.45	335
February	144.0	5.3	4.9	5.14	286
March	4,221.2	376	5.3	136	8,370
April	4,797	267	62	160	9,510
May	2,306	154	18	74.4	4,570
June	390.0	21	8.2	13.0	774
July	469.4	39	5.3	15.1	931
August	130.6	7.3	2.7	4.21	259
September	1,022.9	65	4.5	34.1	2,030
Water year 1945-46	14,295.5	376	2.7	39.2	28,350

SOURIS RIVER AT VERENDRYE, N. D.
(Addition to Supplement "B" of the Fourth Biennial Report.)
Stream-Flow Information

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	401.3	37	7.1	12.9	796
November	1,999.5	105	8.8	66.6	3,970
December	2,757	110	28	88.9	5,470
January	270.0	24	3.0	8.71	536
February	80.6	5.0	2.0	2.88	160
March	4,545.0	750	1.0	147	9,010
April	26,651	1,300	498	888	52,860
May	19,460	1,220	179	628	38,600
June	5,724	360	136	191	11,350
July	9,592	431	115	309	19,030
August	9,477	388	38	306	18,800
September	2,090	156	31	69.7	4,150
Water year 1946-47	83,047.4	1,300	1.0	228	164,700

SOURIS RIVER AT VERENDRYE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	625	32	15	20.2	1,240
November	451	19	12	15.0	895
December	470	17	14	15.2	932
January	456	16	13	14.7	904
February	348	12	12	12.0	690
March	2,396	230	12	77.3	4,750
April	28,560	1,980	240	952	56,650
May	63,520	2,290	1,290	2,049	126,000
June	24,833	1,970	170	828	49,260
July	6,571	291	120	212	13,030
August	3,121	131	77	101	6,190
September	3,606	147	98	120	7,150
Water year 1947-48	134,957	2,290	12	369	267,700

SOURIS RIVER NEAR BANTRY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	3,501	135	92	113	6,940
November	3,838	150	115	128	7,610
December	3,152	130	77	102	6,250
January	2,561	91	75	82.6	5,080
February	2,539	102	84	90.7	5,040
March	9,015	766	75	291	17,880
April	5,586	381	63	186	11,080
May	2,042	72	62	65.9	4,050
June	2,135	169	40	71.2	4,230
July	1,208	54	28	39	2,400
August	856	40	13	27.6	1,700
September	276.3	17	6.9	9.21	548
Water year 1944-45	36,709.3	766	6.9	101	72,808

SOURIS RIVER NEAR BANTRY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	457	26	10	14.7	906
November	557	22	18	18.6	1,100
December	486	19	11	15.7	964
January	384	13	11	12.4	762
February	290.3	11	9.2	10.4	576
March	2,857	594	10	92.2	5,670
April	6,411	606	84	214	12,720
May	3,717	218	74	120	7,370
June	1,249	92	21	41.6	2,480
July	773	41	15	24.9	1,530
August	201.0	14	3.9	6.48	399
September	402.1	49	5.1	13.4	798
Water year 1945-46	17,784.4	606	3.9	48.7	35.280

SOURIS RIVER NEAR BANTRY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	1,218	72	18	39.3	2,420
November	1,581	89	19	52.7	3,140
December	2,964	106	80	95.6	5,880
January	657.0	70	8.0	21.2	1,300
February	152.0	8.0	2.5	5.43	301
March	1,008.0	420	1.0	32.5	2,000
April	25,175	1,320	500	839	49,930
May	24,902	1,230	334	803	49,390
June	7,507	389	195	250	14,890
July	10,919	427	198	352	21,660
August	10,477	389	276	338	20,780
September	2,432	213	62	81.1	4,820
Water year 1946-47	88,992.0	1,320	1.0	244	176,500

SOURIS RIVER NEAR BANTRY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	1,353	87	23	43.6	2,680
November	700	32	20	23.3	1,390
December	607	21	18	19.6	1,200
January	522	18	14	16.8	1,040
February	344	13	11	11.9	682
March	1,566	210	12	50.5	3,110
April	22,965	1,700	220	766	45,550
May	53,970	1,990	1,470	1,741	107,000
June	39,590	1,990	478	1,320	78,530
July	10,969	449	252	354	21,760
August	4,785	275	114	154	9,490
September	3,427	133	98	114	6,800
Water year 1947-48	140,798	1,990	11	385	279,200

SOURIS RIVER NEAR WESTHOPE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	2,920	346	19	94.2	5,790
November	2,015.7	157	0.5	67.2	4,000
December	4,357	149	130	141	8,640
January	3,638	146	68	117	7,220
February	2,015	79	68	72	4,000
March	4,874	1,040	1	157	9,670
April	22,631	1,020	213	754	44,890
May	5,208.3	650	0.2	168	10,330
June	784.9	47	0.3	26.2	1,560
July	591.4	41	2.5	19.1	1,170
August	2,757.5	196	3.9	89.0	5,470
September	545.9	37	1.9	18.2	1,080
Water year 1944-45	52,338.7	1,040	0.2	143	103,820

SOURIS RIVER NEAR WESTHOPE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	582.6	54	9.6	18.8	1,160
November	20.1	12	0	.67	40
December	0	0	0	0	0
January	0	0	0	0	0
February	0	0	0	0	0
March	61.8	25	0	1.99	123
April	9,630	600	30	321	19,100
May	752	120	13	24.3	1,490
June	576.9	26	7.8	19.2	1,140
July	485.5	24	1.1	15.7	963
August	640.8	29	1.7	20.7	1,270
September	1,910	122	18	63.7	3,790
Water year 1945-46	14,659.7	600	0	40.2	29,080

SOURIS RIVER NEAR WESTHOPE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	373.8	28	3.1	12.0	741
November	15.6	9.3	0	.52	31
December	0	0	0	0	0
January	8.6	1.0	0	.28	17
February	28.8	1.1	1.0	1.03	57
March	31.6	1.3	1.0	1.02	63
April	31,258	1,800	3.0	1,042	62,000
May	20,960	940	40	676	41,570
June	5,849	438	97	195	11,600
July	11,861	450	140	383	23,530
August	8,881	320	191	286	17,620
September	2,199	275	11	73.3	4,360
Water year 1946-47	81,466.4	1,800	0	223	161,600

SOURIS RIVER NEAR WESTHOPE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	331.7	17	6.8	10.7	658
November	303.4	42	0	10.1	602
December	24.9	1.6	0	.80	49
January	18.4	1.6	0	.59	36
February	6.4	.3	.1	.22	13
March	14.5	.5	.4	.47	29
April	26,701	2,900	1	890	52,960
May	67,970	2,800	1,750	2,193	134,800
June	50,900	1,900	1,100	1,697	101,000
July	10,536	950	21	340	20,900
August	7,669	433	47	247	15,210
September	1,284	47	36	42.8	2,550
Water year 1947-48	165,759.3	2,900	0	453	328,800

LONG CREEK NEAR CROSBY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1942-1943					
October	-------	-------	-------	-------	-------
November	-------	-------	-------	-------	-------
December	-------	-------	-------	-------	-------
January	-------	-------	-------	-------	-------
February	-------	-------	-------	-------	-------
March	-------	-------	-------	-------	-------
April 1-10, 1943	15,925	2,960	463	1,590	31,590
May	-------	-------	-------	-------	-------
June	-------	-------	-------	-------	-------
July	-------	-------	-------	-------	-------
August	-------	-------	-------	-------	-------
September	-------	-------	-------	-------	-------

LONG CREEK NEAR CROSBY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1943-1944					
October	-------	-------	-------	-------	-------
November	-------	-------	-------	-------	-------
December	-------	-------	-------	-------	-------
January	-------	-------	-------	-------	-------
February	-------	-------	-------	-------	-------
March	-------	-------	-------	-------	-------
April 7-16, 1944	2.6	0.7	0	0.26	5.2
May	-------	-------	-------	-------	-------
June 4-30	491.0	58	0	18.2	974
July 27-31	10.8	2.6	1.2	2.16	21
August	131.1	9.4	0	4.23	260
September	0	0	0	0	0

LONG CREEK NEAR CROSBY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October 1944	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
January 1945	0	0	0	0	0
February	0	0	0	0	0
March	67.2	5.4	0	2.17	133
April	51.7	7.7	0	1.72	102
May	.8	.6	0	.03	1.6
June	0	0	0	0	0
July	0	0	0	0	0
August	11.0	3.8	0	.35	22
September	0	0	0	0	0
Water year 1944-45	130.7	7.7	0	.36	259

LONG CREEK NEAR CROSBY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
January	0	0	0	0	0
February	0	0	0	0	0
March	3,582.7	678	0	116	7,110
April	589.2	67	3.5	19.6	1,170
May	31.6	5.2	0	1.02	63
June	.9	.3	0	.03	1.8
July	344.2	150	0	11.1	683
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1945-46	4,548.6	678	0	12.5	9,030

LONG CREEK NEAR CROSBY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
January	0	0	0	0	0
February	0	0	0	0	0
March	3,340	600	0	108	6,620
April	11,319	936	63	377	22,450
May	579.6	61	7.7	18.7	1,150
June	455.1	83	3.6	15.2	903
July	193.7	34	.4	6.25	384
August	264.6	31	.1	8.54	525
September	240.6	20	2.5	8.02	477
Water year 1946-47	16,392.6	936	0	44.9	32,510

LONG CREEK NEAR CROSBY, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	162.9	8.3	0.6	5.25	323
November	90.3	5.4	1.9	3.01	179
December	31	------	------	1.0	61
January	15.5	------	------	.5	31
February	0	0	0	0	0
March	0	0	0	0	0
April	35,215	6,010	0	1,174	69,850
May	3,716	518	12	120	7,370
June	189.0	13	1.5	6.30	375
July	262.0	110	.6	8.45	520
August	3.5	.6	0	.11	6.9
September	0	0	0	0	0
Water year 1947-48	39,685.2	6,010	0	108	78,720

DES LACS RIVER AT FOXHOLM, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	17.4	1.0	0.2	0.56	35
November	30.4	2.0	.5	1.01	60
December	3.8	.5	0	.12	7.5
January	0	0	0	0	0
February	0	0	0	0	0
March	795.0	110	0	25.6	1,580
April	285.2	25	3.0	9.51	566
May	72.8	3.3	1.5	2.35	144
June	20.4	2.0	.2	.68	40
July	29.9	2.8	.1	.96	59
August	3.7	.4	.1	.12	7.3
September	.3	.1	0	.01	.6
Water year 1945-46	1,258.9	110	0	3.45	2,500

DES LACS RIVER AT FOXHOLM, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
October	14.6	0.9	0	0.47	29
November	18.0	.9	.3	.60	36
December	4.5	.5	0	.15	8.9
January	0	0	0	0	0
February	0	0	0	0	0
March	2,360	600	0	76.1	4,680
April	2,183.0	322	9.0	72.8	4,330
May	180.2	9.2	2.7	5.81	357
June	889.6	290	2.3	29.7	1,760
July	152.0	21	.5	4.90	301
August	46.5	3.7	.4	1.50	92
September	49.6	7.5	.3	1.65	98
1946-1947					
Water year 1946-47	5,898.0	600	0	16.2	11,690

DES LACS RIVER AT FOXHOLM, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	32.7	1.1	1.0	1.05	65
November	30.3	1.2	.8	1.01	60
December	19.7	1.0	.3	.64	39
January	5.6	.3	0	.18	11
February	0	0	0	0	0
March	3.1	2.0	0	.10	6.1
April	5,390.0	498	.1	180	10,690
May	1,806.8	219	9.1	58.3	3,580
June	251.1	32	2.0	8.37	498
July	1,072	63	23	34.6	2,130
August	1,116	86	24	36.0	2,210
September	509.7	23	6.8	17.0	1,010
Water year 1947-48	10,237.0	498	0	28.0	20,300

WINTERING RIVER NEAR KARLSRUHE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1944-1945					
October	128	5.2	3.2	4.13	254
November	216.7	14	2.9	7.22	430
December	79.2	4	0.6	2.55	157
January	10.3	0.5	0.2	0.33	20
February	2.8	0.1	0.1	0.1	5.6
March	2,481.5	200	0.1	80	4,920
April	1,456	114	14	48.5	2,890
May	321.1	15	8.4	10.4	637
June	210.9	11	3.2	7.03	418
July	140.1	7	2.7	4.52	278
August	88.6	6.2	0.9	2.86	176
September	78.7	5.0	0.9	2.62	156
Water year 1944-45	5,213.9	200	0.1	14.3	10,341.6

WINTERING RIVER NEAR KARLSRUHE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1945-1946					
October	105.8	4.6	2.9	3.41	210
November	77.1	4.3	1.9	2.57	153
December	62.6	2.9	1.5	2.02	124
January	40.9	1.7	.6	1.32	81
February	4.2	.5	.1	.15	8.3
March	656.4	67	.1	21.1	1,300
April	801.1	62	7.9	26.7	1,590
May	166.3	7.7	3.2	5.36	330
June	91.8	5.0	1.9	3.06	182
July	49.3	4.4	.6	1.59	98
August	32.5	2.9	.5	1.05	64
September	52.6	2.9	1.0	1.75	104
Water year 1945-46	2,140.6	67	.1	5.86	4,240

WINTERING RIVER NEAR KARLSRUHE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1946-1947					
October	114.4	6.1	2.1	3.69	227
November	79.8	6.1	1.0	2.66	158
December	27.3	2.1	.1	.88	54
January	3.1	.1	.1	.10	6.1
February	.5	.1	0	.02	1.0
March	371	70	0	12.0	736
April	2,009	156	17	67.0	3,980
May	270.2	15	4.9	8.72	536
June	248.3	19	3.8	8.28	492
July	1,097.5	116	7.4	35.4	2,180
August	559.2	53	4.3	18.0	1,110
September	137.8	6.0	3.5	4.59	273
Water year 1946-47	4,918.1	156	0	13.5	9,750

WINTERING RIVER NEAR KARLSRUHE, N. D.
Stream-Flow Information
(Addition to Supplement "B" of the Fourth Biennial Report.)

Month	Second Foot Days	Maximum	Minimum	Mean	Run-off in Acre-Feet
1947-1948					
October	106.7	3.8	3.2	3.44	212
November	87.9	4.2	2.5	2.93	174
December	65.5	2.5	1.8	2.11	130
January	42.9	1.7	.8	1.38	85
February	4.8	.7	0	.17	9.5
March	16.1	2	0	.52	32
April	3,218	377	2	107	6,380
May	1,486	131	11	47.9	2,950
June	230.8	13	4.9	7.69	458
July	320.0	19	2.6	10.3	635
August	404.6	22	5.2	13.1	803
September	91.3	4.9	2.4	3.04	181
Water year 1947-48	6,074.6	331	0	16.6	12,050

DEVILS LAKE NEAR DEVILS LAKE, N. D.

Month 1944-45	Elevation in feet
October 14th	1,403.40
November 18th	1,403.50
December	- - -
January	- -
February	- -
March 5th	1,404.09
April 25th	1,404.31
May 10th	1,404.34
June 11th	1,404.36
July 12th	1,404.06
August 18th	1,403.90
September 25th	1,403.79

DEVILS LAKE NEAR DEVILS LAKE, N. D.

Month 1945-1946	Elevation in feet
October 16th	1,403.69
November 30th	1,403.67
December 11th	1,403.69
January	
February	
March	
April 17th	1,404.75
May 10th	1,404.70
June 21st	1,404.32
July 11th	1,404.27
August 11th	1,403.84
September 6th	1,403.47

DEVILS LAKE NEAR DEVILS LAKE, N. D.

Month 1946-1947	Elevation in feet
October 21st	1,403.57
November 30th	1,403.59
December 10th	1,403.45
January 7th	1,403.48
February	
March	
April	
May 26th	1,403.55
June 25th	1,403.43
July 16th	1,403.28
August 13th	1,403.25
September	1,403.25

LAKE DARLING NEAR FOXHOLM, N. D.

Month	Maximum		Minimum	
	Gage-height	Storage in Acre-feet	Gage-height	Storage in Acre-feet
1944-45				
October	16.4	70,400	15.3	61,400
November	15.3	61,400	14.9	58,300
December	14.9	58,300	14.4	54,800
January	14.4	54,800	13.5	49,000
February	13.5	49,000	13.0	46,000
March	13.0	46,000	12.7	44,200
April	13.0	46,000	13.0	46,000
May	13.0	46,000	12.6	43,600
June	12.6	43,600	12.5	43,000
July	12.5	43,000	12.5	43,000
August	12.1	40,600	11.8	39,000
September	12.0	40,000	11.0	35,000
1945-46				
October	12.4	42,400	11.7	38,500
November	12.0	40,000	12.0	40,000
December	12.0	40,000	12.0	40,000
January	12.0	40,000	12.0	40,000
February	12.0	40,000	12.0	40,000
March	15.0	59,000	12.0	40,000
April	17.4	78,900	14.9	58,300
May	17.0	75,500	16.7	72,950
June	16.7	72,950	16.6	72,100
July	16.6	72,100	16.1	67,850
August	16.1	67,850	15.9	66,200
September	15.9	66,200	15.0	59,000

LAKE DARLING NEAR FOXHOLM, N. D.

	Gage	Maximum	Gage	Minimum
1946-1947				
October	15.4	60,600	15.10	59,000
November	15.3	60,200	14.7	56,200
December	14.7	56,200	14.1	52,560
January	14.1	52,560	14.1	52,560
February	14.1	52,560	14.1	52,560
March	14.1	52,560	13.0	46,000
April	19.4	94,800	12.9	44,800
May	19.4	94,800	19.0	90,300
June	19.8	99,700	19.0	90,300
July	19.7	99,300	18.9	88,500
August	18.9	88,500	16.8	69,600
September	16.8	69,600	15.9	64,600
1947-1948				
October	16.0	65,000	15.9	64,600
November	16.0	64,600	15.9	64,600
December	16.0	64,600	15.9	64,600
January	16.0	64,600	15.9	64,600
February	16.0	64,600	15.9	64,600
March	16.0	64,600	14.8	55,500
April	15.8	63,800	12.0	40,000
May	22.7	130,500	17.5	77,200
June	19.6	95,200	18.0	81,000
July	17.9	80,400	17.7	79,100
August	18.3	83,600	17.8	79,400

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