

# PHYSICAL CHARACTERISTICS OF STREAM SUBBASINS IN THE POMME DE TERRE RIVER BASIN, WEST-CENTRAL MINNESOTA

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## Abstract

Data describing the physical characteristics of stream subbasins upstream from selected points on streams in the Pomme de Terre River Basin, located in west-central Minnesota, are presented in this report. The physical characteristics are the drainage area of the subbasin, the percentage area of the subbasin covered only by lakes, the percentage area of the subbasin covered by both lakes and wetlands, the main-channel length, and the main-channel slope. The points on the stream include outlets of subbasins of at least 5 square miles, outfalls of sewage treatment plants, and locations of U.S. Geological Survey low-flow, high-flow, and continuous-record gaging stations.

## Introduction

This report is one of several that present physical characteristics of streams in Minnesota. This report presents selected data for points on streams at outlets of subbasins larger than about 5 square miles; at outfalls of sewage treatment plants; and at locations of U.S. Geological Survey low-flow, high-flow, and continuous-record gaging stations located in the Pomme de Terre River Basin.

The Pomme de Terre River drains an area of 875 square miles. The Pomme de Terre River Basin is represented by hydrologic accounting unit 07020002 (U.S. Geological Survey, 1974) and includes parts of Big Stone, Douglas, Grant, Otter Tail, Stevens, and Swift Counties in west-central Minnesota.

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## Acknowledgments

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## Methods

U.S. Geological Survey 7-1/2 minute series topographic maps were used as source maps to obtain the data recorded in this report. Paper copies of the maps were used. Data recorded from paper copies were in error by no

more than twice the horizontal accuracy of National Mapping Standards of 40 feet (Thompson, 1987, p. 104). Data recorded from these maps were projected into an Albers Equal-Area projection for storage and analysis.

The subbasin boundaries were delineated on the basis of topographic features and human activities recorded on topographic maps. Human activities along subbasin divides such as the installation of storm sewers, the drainage of wetlands, and the diversions of streams may alter the drainage area of the stream. Data from field inspections and recent drainage-ditch maps, therefore, were transferred to the topographic maps.

The subbasin boundaries (represented by line segments) and labels were recorded using a geographic information system (GIS). The GIS was used to define the subbasin polygons, recording the line segments that comprise each subbasin and identifying the subbasin with a label. The GIS automatically calculated the area of each subbasin.

The lake data were obtained from the Minnesota State Planning Information Center. The outline of each water body was compared to 7-1/2 minute topographic maps. The lake data were overlaid onto the subbasin data to associate each lake with a subbasin. The total lake area for each subbasin was calculated by the GIS.

Marsh data were recorded using a computer-aided drafting (CAD) system and transferred to the GIS. The marsh data were overlaid onto the subbasin data to associate each marsh area with a subbasin. The total marsh area for each subbasin was calculated by the GIS. The marsh area plus the lake area is the storage area.

Main channels were delineated for each subbasin on the 7-1/2 minute topographic maps starting at the mouth of the subbasin and working upstream. Whenever the main channel joined with another stream, the stream upstream of the junction that drained the largest area was selected as the main channel. The main channel is continuous and is a single trace that passes through marshes, lakes, and the midline of wide rivers and braided streams. The main channel was extended to the basin divide from the uppermost stream trace on the topographic map. The stream-channel segments forming the main channel were recorded using the CAD and transferred to the GIS. Line segments forming an individual stream channel were identified manually and entered into the GIS data base.

Elevation data at the intersection of topographic contour lines and main channels were recorded using the CAD system. The data were transferred to the GIS and each data point was associated with a main-channel line segment. Two points on the main channel, at 10 percent and at 85 percent of the main-channel length from the basin outlet to the drainage divide, were located by the GIS. The elevations of these two points were interpolated from the data recorded in the GIS. Main-channel slope was calculated by dividing the differences in elevation between these points by the distance along the main channel between these points.

## Physical Characteristics of Stream Subbasins

The physical characteristics determined for each of the subbasins shown on plate 1 are presented in table 1 at the end of this report. The stream subbasins presented in table 1 are ordered from headwaters to mouth. The rank of the stream is shown by indentation and indicates the drainage pattern of the stream. Rank was assigned by area of the drainage basin drained by the stream. Whenever two streams joined, the stream draining the smaller of the two drainage basins was assigned a lower rank. The first-ranked river is the Pomme de Terre River. Tributary streams are indented.

The data for drainage area, for main-channel length, and for main-channel slope are reported using three significant figures or rounded to the nearest hundredth of a unit. The data for lake area and for storage area are reported using two significant figures or to the nearest tenth of a percent.

The following is an explanation of terms used in table 1:

**Basin number.** The arbitrary number used to identify a subbasin. The number is based on the Minnesota Common Stream Number System.

**Stream name and location.** The name of the stream shown on U.S. Geological Survey 1:24,000 topographic maps. The relative position of the subbasin above other subbasins, streams, gaging stations, and outfalls from sewage treatment plants also is given.

**Outlet location.** The U.S. Public Lands Survey System is used to describe the location the stream flows out of the subbasin to quarter-quarter section. The description includes quarter-quarter section, section, township, and range.

**Drainage area.** That area, measured on a horizontal plane, enclosed by a topographic divide, within which direct surface runoff from precipitation normally flows by gravity into a watercourse above a specific point. This may include closed basins and other areas that do not contribute directly to surface runoff.

**Lake area.** The percentage of the drainage area covered by open water.

**Storage area.** The percentage of a drainage area covered by open water and marshes as shown on 7-1/2 minute topographic maps. Marsh areas are not shown on plate 1.

**Main-Channel length.** The total length of the main channel from the basin outlet to the drainage divide. The main channel is the watercourse that drains the greatest area.

**Main-Channel slope.** The average slope of the watercourse between the points at 10 and at 85 percent of the distance along the main channel from the basin outlet to the drainage divide.

## References

Thompson, M.M., 1987, Maps for America, Third edition: U.S. Geological Survey, 265 p.

U.S. Geological Survey, 1974, Hydrologic Unit Map-- 1974 State of Minnesota: Scale 1:500,000, 1 plate.

Table 1.—Physical characteristic data for the Pomme de Terre River drainage basin

[All cities and towns are in Minnesota; --, not computed]

Basin number	Stream name and location	Outlet location			By subbasin			Cumulative to mouth of basin			Main-channel slope (foot per mile)	
		Quarter-section	Sec-tion	Town-ship	Range	Drainage area (square miles)	Lake area (percent of sub-basin area)	Storage area (percent of sub-basin area)	Drainage area (square miles)	Lake area (percent of total area)		Storage area (percent of total area)
2301909	Noncontributing area	No outlet				19.1	22	30	19.1	22	30	--
2301900	Unnamed tributary to Stalker Lake above mouth	SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	28	132N	41W	13.4	9.6	14	32.5	17	23	8.85
2302100	Pomme de Terre River above outlet of Stalker Lake	SE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	32	132N	41W	24.0	15	23	56.5	16	23	10.4
2302000	Pomme de Terre River above North Tennile Lake	SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	16	131N	42W	39.0	14	20	95.5	15	22	23.0
2302201	Pomme de Terre River above gaging station near Dalton (near outlet of Tennile Lake), station number is 05293210	NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	34	131N	42W	18.6	29	33	114	18	24	26.9
2302200	Pomme de Terre River above outlet of Tennile Lake	NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	34	131N	42W	2.56	6.2	13	117	17	24	27.1
2302700	Pomme de Terre River above Pelican Creek	SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	12	130N	42W	15.7	11	17	132	16	23	30.7
2302509	Noncontributing area	No outlet				19.9	13	24	19.9	13	24	--
2302500	Lake Christina above outlet	SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	13	130N	41W	40.6	19	29	60.5	17	28	9.99
2302600	Pelican Lake above outlet	SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	16	130N	41W	20.9	31	35	81.4	21	30	13.8
2302409	Noncontributing area	No outlet				4.40	13	17	4.40	13	17	--

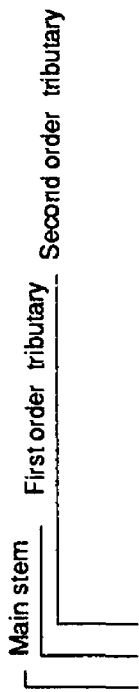


Table 1.—Physical characteristic data for the Pomme de Terre River drainage basin—continued

Basin number	Stream name and location	By subbasin										Main-channel slope (foot per mile)	
		Outlet location					Cumulative to mouth of basin						
		Quarter-section	Sec-tion	Town-ship	Range	Drainage area (square miles)	Lake area (percent of sub-basin area)	Storage area (percent of sub-basin area)	Drainage area (square miles)	Lake area (percent of total area)	Storage area (percent of total area)		Main channel length (miles)
2302400	██████████ Pelican Creek above outlet of Jolly Arm Lake	NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	24	131N	41W	20.0	19	24	24.4	18	22	6.42	12.5
2302300	██████████ Pelican Creek above mouth	SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	12	130N	42W	28.2	7.7	14	134	18	25	20.0	6.91
2305101	Pomme de Terre River above gaging station near Ashby (near inlet to Pomme de Terre Lake), station number is 05293330	NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	25	130N	42W	4.81	8.9	20	271	17	24	34.4	4.33
2305100	Pomme de Terre River above Pomme de Terre Lake	SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	25	130N	42W	.03	.6	46	271	17	24	34.5	4.32
2303100	██████████ Unnamed tributary to Pomme de Terre Lake above Pomme de Terre Lake	SE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	7	129N	41W	20.0	2.6	7.0	20.0	2.6	7.0	11.2	14.8
2305200	Pomme de Terre Lake above gaging station near Elbow Lake (at outlet of Pomme de Terre Lake), station number is 05293365	NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	7	129N	41W	15.8	19.8	23	307	16	23	38.1	3.66
2303201	Pomme de Terre River above gaging station near Elbow Lake, station number is 05293370	NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	13	129N	42W	.97	.0	9.2	308	16	23	39.3	3.50
2303200	Pomme de Terre River above Barrett Lake	NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	6	128N	41W	10.7	.1	6.3	319	16	22	45.8	3.09
2303300	Pomme de Terre River above gaging station at Barrett (at outlet of Barrett Lake), gaging station number is 05293405	NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	12	128N	42W	11.8	7.6	9.2	330	15	22	46.8	3.09
2303501	Pomme de Terre River above outfall from sewage treatment plant for Barrett	SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	7	128N	41W	.13	.0	.0	331	15	22	47.2	3.08
2303600	██████████ Unnamed tributary to Pomme de Terre River above mouth	SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	30	128N	41W	5.47	8.1	10	5.47	8.1	10	4.89	26.0

Table 1.—Physical characteristic data for the Pomme de Terre River drainage basin—continued

Basin number	Stream name and location	Outlet location				By subbasin				Cumulative to mouth of basin			
		Quarter-section		Township	Range	Drainage area (square miles)	Lake area (percent of sub-basin area)	Storage area (percent of sub-basin area)	Drainage area (square miles)	Lake area (percent of total area)	Storage area (percent of total area)	Main channel length (miles)	Main-channel slope (foot per mile)
		Quarter-section	Section										
2303500	Pomme de Terre River above subbasin 2303400	SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	30	128N	41W	5.98	0.5	3.6	342	15	21	51.8	2.96
2303409	Noncontributing area	No outlet				8.38	15	18	8.38	15	18	--	--
2303400	Unnamed tributary to Pomme de Terre River above mouth	SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	30	128N	41W	5.54	2.4	3.9	13.9	9.9	12	6.02	8.06
2303701	Pomme de Terre River above gaging station near Hoffinan, station number is 05293430	NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	29	127N	41W	12.6	1.3	5.2	369	14	20	59.6	2.87
2303700	Pomme de Terre River above subbasin 2303800	SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	30	127N	41W	4.34	.0	3.1	373	14	20	60.7	2.85
2303800	Unnamed tributary to Pomme de Terre River above mouth	SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	30	127N	41W	9.78	7.0	10	9.78	7.0	10	7.30	12.2
2304602	Pomme de Terre River above gaging station near Morris (at outlet of Pomme de Terre Lakes), station number is 05293460	NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	30	126N	41W	33.7	6.5	11	416	13	19	69.4	2.79
2304601	Pomme de Terre River above gaging station near Morris, station number is 05293470	W <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	8	125N	41W	6.73	.7	2.1	423	13	19	73.0	2.76
2304600	Pomme de Terre River above subbasin 2304400	E <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	36	125N	42W	22.3	2.5	6.3	445	12	18	79.4	2.71
2304400	Unnamed tributary to Pomme de Terre River above mouth	SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	36	125N	42W	5.31	1.1	4.5	5.31	1.1	4.5	4.97	13.0
2304302	Pomme de Terre River above outfall from sewage treatment plant for Morris	NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	13	124N	42W	8.65	5.1	6.9	459	12	18	82.6	2.65
2304500	Unnamed tributary to Pomme de Terre River above mouth	NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	13	124N	42W	14.4	.8	3.2	14.4	.8	3.2	9.26	12.7

Table 1.—Physical characteristic data for the Pomme de Terre River drainage basin—continued

Basin number	Stream name and location	By subbasin										Main-channel slope (foot per mile)	
		Outlet location					Cumulative to mouth of basin						
		Quarter-quarter section	Sec-tion	Town-ship	Range	Drainage area (square miles)	Lake area (percent of sub-basin area)	Storage area (percent of sub-basin area)	Drainage area (square miles)	Lake area (percent of total area)	Storage area (percent of total area)		Main channel length (miles)
2304301	Pomme de Terre River above gaging station near Morris, station number is 05293515	SW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	24	124N	42W	4.25	1.2	7.7	478	12	17	85.6	2.60
2304300	Pomme de Terre River above Muddy Creek	SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	23	124N	42W	.11	.0	17	478	12	17	85.9	2.59
2301601	Muddy Creek above outfall from sewage treatment plant for Chokio	NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	3	124N	44W	11.5	.0	1.0	11.5	.0	1.0	10.0	5.86
2301600	Muddy Creek above County Ditch No. 25	SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	12	124N	44W	4.68	.0	.0	16.2	.0	.7	12.6	4.95
2301700	County Ditch No. 25 above mouth	SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	12	124N	44W	8.51	.0	.2	8.51	.0	.2	6.67	6.82
2301300	County Ditch No. 18 above mouth	NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	8	124N	43W	10.1	.0	1.8	10.1	.0	1.8	7.89	9.92
2301200	Muddy Creek above subbasin 2300800	NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	4	124N	43W	7.67	3.7	4.1	42.5	.7	1.5	17.1	4.68
2300800	Unnamed tributary (County Ditch No. 3) above mouth	NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	4	124N	43W	22.4	8.3	13	22.4	8.3	1?	12.8	5.81
2305000	Muddy Creek above subbasin 2304700	NE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	36	125N	43W	13.1	1.9	7.2	77.9	3.1	5.6	20.8	4.27
2304700	Unnamed tributary to Muddy Creek above mouth	NE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	36	125N	43W	35.8	.5	5.5	35.8	.5	5.5	10.2	11.2
2304000	Unnamed tributary to Muddy Creek above mouth	SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	1	124N	43W	3.94	2.2	7.9	3.94	2.2	7.9	4.83	10.9
2304800	Muddy Creek above subbasin 2304100	NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	17	124N	42W	9.28	.0	3.8	127	2.1	5.5	26.4	3.66
2304100	Unnamed tributary to Muddy Creek above mouth	NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	17	124N	42W	6.02	.0	3.0	6.02	.0	3.0	5.04	15.0
2304201	Muddy Creek above gaging station near Morris, station number is 05293600	NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	22	124N	42W	6.90	1.6	5.9	140	2.0	5.4	30.7	3.26

Table 1.—Physical characteristic data for the Pomme de Terre River drainage basin--continued

Basin number	Stream name and location	Outlet location				By subbasin				Cumulative to mouth of basin			
		Quarter-section		Town-ship	Range	Drainage area (square miles)	Lake area (percent of sub-basin area)	Storage area (percent of sub-basin area)	Drainage area (square miles)	Lake area (percent of total area)	Storage area (percent of total area)	Main channel length (miles)	Main channel slope (foot per mile)
		Quarter-section	Sec-tion										
2304200	Muddy Creek above mouth	SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	23	124N	42W	0.54	0.0	0.6	140	2.0	5.4	31.7	3.17
2304900	Pomme de Terre River above gaging station near Morris, station number is 4527200955720	NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	20	123N	42W	26.2	.0	.6	645	9.2	14	94.8	2.61
2300900	Unnamed tributary to Pomme de Terre River above mouth	NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	20	123N	42W	10.7	.0	1.6	10.7	.0	1.6	8.33	14.2
2301000	Pomme de Terre River above Dry Wood Creek	NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	5	122N	42W	8.22	.4	2.2	664	8.9	14	99.2	2.56
2303900	Unnamed tributary to County Ditch No. 22 above mouth	NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	26	123N	44W	12.6	1.6	2.9	12.6	1.6	2.9	9.86	10.2
2301800	County Ditch No. 22 above mouth	SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	7	122N	43W	11.4	.2	3.3	23.9	.9	3.1	13.8	8.01
2302800	Unnamed tributary to Artichoke Lake above Artichoke Lake	NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	14	122N	44W	15.8	.8	5.1	15.8	.8	5.1	10.2	8.58
2300100	Artichoke Creek above Dry Wood Lake	SE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	6	122N	43W	25.6	15	19	65.4	6.3	9.9	13.7	6.06
2301400	Dry Wood Lake above outlet	NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>	5	122N	43W	23.5	3.0	7.0	88.9	5.4	9.1	14.4	6.02
2301500	Dry Wood Creek above mouth	NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>	5	122N	42W	12.8	.0	.8	102	4.8	8.1	24.5	4.60
2300500	Unnamed tributary to Pomme de Terre River above mouth	NE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	9	122N	42W	9.24	.0	1.6	9.24	.0	1.6	8.22	14.5
2300601	Pomme de Terre River above gaging station near Fairfield, station number is 05293780	NE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	16	122N	42W	5.24	0.0	0.7	780	8.2	13	102	2.51
2300600	Pomme de Terre River above subbasin 2302900	SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>	16	122N	42W	.41	.0	1.5	780	8.2	13	103	2.51
2303000	Unnamed tributary to unnamed tributary to Pomme de Terre River above mouth	NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>	15	122N	42W	12.0	.5	4.2	12.0	.5	4.2	8.65	9.80

Table 1.—Physical characteristic data for the Pomme de Terre River drainage basin--continued

Basin number	Stream name and location	Outlet location				By subbasin				Cumulative to mouth of basin				
		Quarter-quarter section		Township	Range	Drainage area (square miles)	Lake area (percent of sub-basin area)	Storage area (percent of sub-basin area)	Drainage area (square miles)	Lake area (percent of total area)	Storage area (percent of total area)	Main channel length (miles)	Main-channel slope (foot per mile)	
		section	quarter											
2301100	Judicial Ditch No. 2 above County Ditch No. 63	SE <sup>1</sup> / <sub>4</sub>	SE <sup>1</sup> / <sub>4</sub>	2	122N	42W	10.7	0.7	4.6	10.7	0.7	4.6	6.01	8.22
2302900	Unnamed tributary to Pomme de Terre River above mouth	SE <sup>1</sup> / <sub>4</sub>	NW <sup>1</sup> / <sub>4</sub>	16	122N	42W	6.44	.0	.8	29.2	.5	3.6	10.2	10.8
2300401	Pomme de Terre River above gaging station near Fairfield, station number is 05293880	NE <sup>1</sup> / <sub>4</sub>	SE <sup>1</sup> / <sub>4</sub>	20	122N	42W	2.59	.0	.0	812	7.9	12	105	2.48
2300400	Pomme de Terre River above subbasin 2300300	SE <sup>1</sup> / <sub>4</sub>	SE <sup>1</sup> / <sub>4</sub>	30	122N	42W	3.95	.0	.4	816	7.9	12	108	2.49
2300200	Noncontributing area	No outlet					7.61	16	19	7.61	16	19	--	--
2300300	Unnamed tributary to Pomme de Terre River above mouth	SE <sup>1</sup> / <sub>4</sub>	SE <sup>1</sup> / <sub>4</sub>	30	122N	42W	12.3	.3	1.8	19.9	6.2	8.3	6.45	12.7
2300705	Pomme de Terre River above gaging station near Fairfield, station number is 05293950	SW <sup>1</sup> / <sub>4</sub>	SW <sup>1</sup> / <sub>4</sub>	4	121N	42W	5.40	.3	2.3	841	7.8	12	112	2.47
2300704	Pomme de Terre River above gaging station near Holloway, station number is 05293960	SW <sup>1</sup> / <sub>4</sub>	SE <sup>1</sup> / <sub>4</sub>	18	121N	42W	4.17	.0	.1	845	7.7	12	115	2.43
2300703	Pomme de Terre River above gaging station near Appleton, station number is 05293980	NW <sup>1</sup> / <sub>4</sub>	NE <sup>1</sup> / <sub>4</sub>	1	120N	42W	11.4	.0	1.0	857	7.6	12	120	2.29
2300702	Pomme de Terre River above gaging station at Appleton, station number is 05294000	SW <sup>1</sup> / <sub>4</sub>	NW <sup>1</sup> / <sub>4</sub>	14	120N	43W	7.27	1.8	1.8	864	7.6	12	125	2.14
2300701	Pomme de Terre River above outfall from sewage treatment plant for Appleton	SW <sup>1</sup> / <sub>4</sub>	NE <sup>1</sup> / <sub>4</sub>	15	120N	43W	.86	.0	.0	865	7.6	12	125	2.14
2300700	Pomme de Terre River above mouth	SW <sup>1</sup> / <sub>4</sub>	NE <sup>1</sup> / <sub>4</sub>	30	120N	43W	9.63	.0	1.1	875	7.5	12	133	1.96