

# Swan River Streamflows near Bigfork USGS Gage #1237000 Compared to CSKT Compact

## June 2023

CSKT Compact Daily Flow Requirements as specified in Appendix 26 Abstract # 76K 30063809													USGS Provisional Data - Discharge CFS (Mean)				
Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Gage	Date	CFS	Excess (Shortfall)	
1	336	320	319	600	1,175	2,707	1,426	570	357	341	357	362	USGS	12370000	6/1/2023	3,030	323
2	337	319	321	626	1,211	2,648	1,395	556	355	340	357	360	USGS	12370000	6/2/2023	2,910	262
3	338	321	322	652	1,251	2,541	1,363	543	352	341	358	360	USGS	12370000	6/3/2023	2,780	239
4	338	322	324	677	1,292	2,406	1,329	532	350	341	358	359	USGS	12370000	6/4/2023	2,660	254
5	337	323	326	688	1,332	2,294	1,294	521	348	341	358	357	USGS	12370000	6/5/2023	2,530	236
6	337	323	327	700	1,369	2,273	1,257	510	345	340	359	356	USGS	12370000	6/6/2023	2,430	157
7	338	324	329	712	1,400	2,237	1,220	500	347	338	359	356	USGS	12370000	6/7/2023	2,400	163
8	337	324	331	727	1,427	2,196	1,183	490	347	338	360	357	USGS	12370000	6/8/2023	2,390	194
9	336	322	332	743	1,450	2,152	1,147	480	347	338	362	358	USGS	12370000	6/9/2023	2,490	338
10	334	320	334	757	1,470	2,120	1,111	470	347	336	363	357	USGS	12370000	6/10/2023	2,590	470
11	333	318	337	771	1,487	2,105	1,076	461	347	335	366	356	USGS	12370000	6/11/2023	2,580	475
12	334	317	341	783	1,504	2,095	1,043	451	347	335	369	357	USGS	12370000	6/12/2023	2,500	405
13	334	316	345	795	1,523	2,076	1,010	441	346	337	370	357	USGS	12370000	6/13/2023	2,430	354
14	336	313	348	806	1,542	2,062	980	433	345	339	371	357	USGS	12370000	6/14/2023	2,320	258
15	337	312	351	817	1,562	2,046	949	424	346	341	371	357	USGS	12370000	6/15/2023	2,230	184
16	339	311	356	827	1,604	2,021	919	416	347	342	372	358	USGS	12370000	6/16/2023	2,130	109
17	339	310	361	839	1,645	1,971	889	409	348	343	372	358	USGS	12370000	6/17/2023	2,010	39
18	339	310	368	854	1,671	1,899	861	402	350	344	371	357	USGS	12370000	6/18/2023	1,930	31
19	337	309	376	873	1,691	1,819	834	396	352	345	369	356	USGS	12370000	6/19/2023	1,930	111
20	335	310	384	895	1,724	1,749	808	391	355	345	366	355	USGS	12370000	6/20/2023	1,890	141
21	332	312	394	918	1,769	1,693	783	386	356	345	364	354	USGS	12370000	6/21/2023	1,790	97
22	330	313	405	944	1,821	1,662	760	382	357	346	365	352	USGS	12370000	6/22/2023	1,680	18
23	327	315	416	971	1,868	1,634	737	379	357	346	365	351	USGS	12370000	6/23/2023	1,580	-54
24	325	316	428	998	1,906	1,608	716	376	356	347	367	351	USGS	12370000	6/24/2023	1,500	-108
25	325	316	441	1,024	1,956	1,582	695	374	353	349	367	351	USGS	12370000	6/25/2023	1,410	-172
26	325	317	455	1,047	2,087	1,558	675	372	351	350	368	351					
27	325	318	469	1,069	2,251	1,535	656	370	348	351	368	351					
28	324	318	485	1,091	2,426	1,512	636	367	346	353	369	349					
29	322	318	514	1,115	2,574	1,485	618	365	344	354	367	349					
30	321		544	1,143	2,671	1,457	601	362	343	355	365	348					
31	320		573		2,716		585	359		357		346					

Figures are noted in Cubic Feet per Second (CFS). One cubic feet of water per second is the equivalent of 724 acre feet per year, or enough water to cover 724 acres of land with 1 foot of water for an entire year.

**Data Sources:** Swan River Appendix 26 Abstract 76K 30063809 (2015 Version of Compact did not have daily table, this table was included in 2013 Compact)  
 USGS Statistics for Swan River at Bigfork Gage #1237000 as specified in Appendix 26 Water Rights Abstract)

STATE OF MONTANA  
 DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

**GENERAL ABSTRACT**

**Water Right Number:** 76K 30063809 COMPACT  
**Version:** 1 – ORIGINAL RIGHT

**Version Status:**

**Owners:** USA (DEPT OF INTERIOR BUREAU OF INDIAN AFF)  
 IN TRUST FOR CONFEDERATED SALISH & KOOTENAI TRIBES  
 OF THE FLATHEAD INDIAN RESERVATION, MONTANA  
 911 NE 11TH AVENUE  
 PORTLAND, OR 97232-4169

ALL COMMUNICATION SHALL BE COPIED TO THE CSKT TRIBAL CHAIRMAN AS THE BENEFICIAL OWNER AT PO BOX 278, PABLO, MT 59855-0278.

**Priority Date:** TIME IMMEMORIAL

**Purpose (use):** INSTREAM FISHERY

**Maximum Flow Rate:** 2,716.00 CFS

THE ENFORCEABLE LEVELS OF THIS WATER RIGHT ARE INDIVIDUAL FOR EACH CALENDAR DAY OF THE YEAR AND ARE IDENTIFIED IN THE TECHNICAL REPORT FILED WITH THIS WATER RIGHT (SEE APPENDIX 26 OF SCANNED FILING).

CALL MAY BE INITIATED ON THE DAY FOLLOWING A 24-HOUR PERIOD WHERE AVERAGE DAILY RIVER FLOWS FALL BELOW THEIR RESPECTIVE DAILY ENFORCEABLE VALUE.

ENFORCEABLE LEVELS OF THIS WATER RIGHT SHALL BE MEASURED AT THE USGS GAGE #12370000 LOCATION ON THE SWAN RIVER NEAR BIG FORK, MONTANA (48°01'27.23"N, 113°58'43.75"W, NAD83) (NWSESW SEC 11 T26N R19W). IF USGS GAGE #12370000 IS DISCONTINUED OR OTHERWISE RENDERED NONFUNCTIONAL, MEASUREMENTS SHALL BE TAKEN EITHER AT THIS SAME LOCATION OR AS NEAR TO THAT POINT AS IS REASONABLY PRACTICABLE.

**Maximum Volume:**

**Source Name:** SWAN RIVER  
**Source Type:** SURFACE WATER

**Point of Diversion and Means of Diversion:**

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1			2	26N	19W	LAKE

**Period of Diversion:** JANUARY 1 TO DECEMBER 31

**Diversion Means:** INSTREAM

**Diversion Type:** PRIMARY

2			11	26N	19W	LAKE
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**Period of Diversion:** JANUARY 1 TO DECEMBER 31

**Diversion Means:** INSTREAM

**Diversion Type:** PRIMARY

3			14	26N	19W	LAKE
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**Period of Diversion:** JANUARY 1 TO DECEMBER 31

**Diversion Means:** INSTREAM

**Diversion Type:** PRIMARY

4			35	26N	19W	LAKE
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**Period of Diversion:** JANUARY 1 TO DECEMBER 31

**Diversion Means:** INSTREAM

**Diversion Type:** PRIMARY

**Period of Use:** JANUARY 1 to DECEMBER 31

**Place of Use:**

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1				2	26N	19W	LAKE
2				11	26N	19W	LAKE
3				14	26N	19W	LAKE
4				35	26N	19W	LAKE

**Place of Use:**

ID      Acres   Govt Lot      Qtr Sec   Sec   Twp   Rge   County

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**Remarks:**

THE DESIGNATION OF A PLACE OF USE OF THIS WATER RIGHT IS A DESIGNATION FOR PURPOSES OF MEASUREMENT OF THE ENFORCEABLE LEVELS AND IS NOT A GEOGRAPHIC LIMITATION ON THE LOCATION OF JUNIOR WATER RIGHTS AGAINST WHOM THIS RIGHT MAY BE ENFORCED.

THE PLACE OF USE OF THIS WATER RIGHT INCLUDES THE REACH OF THE SWAN RIVER STARTING JUST ABOVE THE CONFLUENCE OF THE SWAN RIVER AND PETERSON CREEK (48°03'53"N, 113°58'29"W, NAD83) (NENENW SEC 35 T27N R19W) AND EXTENDING UPSTREAM TO THE CONFLUENCE OF THE SWAN RIVER AND JOHNSON CREEK (48°01'17"N, 113°58'46"W, NAD83) (NWNENW SEC 14 T26N R19W).

THIS WATER RIGHT SHALL NOT BE EXERCISED IN CONJUNCTION WITH ANY ARTIFICIAL DIVERSION.

THE OWNER OF THIS WATER RIGHT SHALL BE ENTITLED TO MAKE A CALL, IN ACCORDANCE WITH STATE LAW, TO ENFORCE THIS WATER RIGHT ONLY AGAINST JUNIOR WATER RIGHTS IN BASIN 76K (SWAN DRAINAGE) THE PURPOSE OF WHOSE RIGHTS IS IRRIGATION AND WHOSE SOURCE OF SUPPLY IS SURFACE WATER, OR AGAINST JUNIOR USERS THE PURPOSE OF WHOSE RIGHTS IS IRRIGATION, WHOSE SOURCE OF SUPPLY IS GROUNDWATER CONNECTED TO THE SURFACE SOURCES IN BASIN 76K (SWAN DRAINAGE) AND WHOSE FLOW RATE IS GREATER THAN 100 GALLONS PER MINUTE.

THE EXERCISE OF THIS WATER RIGHT IS SUBJECT TO THE TERMS AND CONDITIONS OF THE WATER RIGHTS COMPACT ENTERED INTO BY THE CONFEDERATED SALISH & KOOTENAI TRIBES, THE STATE OF MONTANA, AND THE UNITED STATES OF AMERICA.

THIS IS A NONCONSUMPTIVE INSTREAM WATER RIGHT; THE PURPOSE AND INSTREAM PLACE OF USE CANNOT BE CHANGED.

Appendix S

<b>Enforceable Daily Flows (CFS) for 76K 30063809 on the Swan River near Big Fork, Montana</b>												
Day	Month											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	336	320	319	600	1,175	2,707	1,426	570	357	341	357	362
2	337	319	321	626	1,211	2,648	1,395	556	355	340	357	360
3	338	321	322	652	1,251	2,541	1,363	543	352	341	358	360
4	338	322	324	677	1,292	2,406	1,329	532	350	341	358	359
5	337	323	326	688	1,332	2,294	1,294	521	348	341	358	357
6	337	323	327	700	1,369	2,273	1,257	510	345	340	359	356
7	338	324	329	712	1,400	2,237	1,220	500	347	338	359	356
8	337	324	331	727	1,427	2,196	1,183	490	347	338	360	357
9	336	322	332	743	1,450	2,152	1,147	480	347	338	362	358
10	334	320	334	757	1,470	2,120	1,111	470	347	336	363	357
11	333	318	337	771	1,487	2,105	1,076	461	347	335	366	356
12	334	317	341	783	1,504	2,095	1,043	451	347	335	369	357
13	334	316	345	795	1,523	2,076	1,010	441	346	337	370	357
14	336	313	348	806	1,542	2,062	980	433	345	339	371	357
15	337	312	351	817	1,562	2,046	949	424	346	341	371	357
16	339	311	356	827	1,604	2,021	919	416	347	342	372	358
17	339	310	361	839	1,645	1,971	889	409	348	343	372	358
18	339	310	368	854	1,671	1,899	861	402	350	344	371	357
19	337	309	376	873	1,691	1,819	834	396	352	345	369	356
20	335	310	384	895	1,724	1,749	808	391	355	345	366	355
21	332	312	394	918	1,769	1,693	783	386	356	345	364	354
22	330	313	405	944	1,821	1,662	760	382	357	346	365	352
23	327	315	416	971	1,868	1,634	737	379	357	346	365	351
24	325	316	428	998	1,906	1,608	716	376	356	347	367	351
25	325	316	441	1,024	1,956	1,582	695	374	353	349	367	351
26	325	317	455	1,047	2,087	1,558	675	372	351	350	368	351
27	325	318	469	1,069	2,251	1,535	656	370	348	351	368	351
28	324	318	485	1,091	2,426	1,512	636	367	346	353	369	349
29	322	318	514	1,115	2,574	1,485	618	365	344	354	367	349
30	321		544	1,143	2,671	1,457	601	362	343	355	365	348
31	320		573		2,716		585	359		357		346

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# ----- WARNING -----
# Some of the data that you have obtained from this U.S. Geological Survey database
# may not have received Director's approval. Any such data values are qualified
# as provisional and are subject to revision. Provisional data are released on the
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# for any damages resulting from its use.
#
# Additional info: https://help.waterdata.usgs.gov/policies/provisional-data-statement
#
# File-format description: https://help.waterdata.usgs.gov/faq/about-tab-delimited-output
# Automated-retrieval info: https://help.waterdata.usgs.gov/faq/automated-retrievals
#
# Contact: gs-w_waterdata_support@usgs.gov
# retrieved: 2023-06-26 10:06:22 EDT (sdww01)
#
# Data for the following 1 site(s) are contained in this file
# USGS 12370000 Swan River near Bigfork, MT
# -----
#
# Data provided for site 12370000
# TS parameter statistic Description
# 82101 00060 00003 Discharge, cubic feet per second (Mean)
#
# Data-value qualification codes included in this output:
# A Approved for publication -- Processing and review completed.
# P Provisional data subject to revision.
# e Value has been estimated.
#
agency_cd site_no datetime 82101_00060_00003 82101_00060_00003_cd
5s 15s 20d 14n 10s
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USGS	12370000	2022-12-02	416	A
USGS	12370000	2022-12-03	422	A
USGS	12370000	2022-12-04	392	A
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USGS	12370000	2022-12-06	395	A
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USGS	12370000	2022-12-21	327	A:e
USGS	12370000	2022-12-22	307	A:e
USGS	12370000	2022-12-23	277	A:e
USGS	12370000	2022-12-24	271	A:e
USGS	12370000	2022-12-25	304	A:e
USGS	12370000	2022-12-26	364	A:e
USGS	12370000	2022-12-27	427	A
USGS	12370000	2022-12-28	503	A
USGS	12370000	2022-12-29	555	A
USGS	12370000	2022-12-30	584	A
USGS	12370000	2022-12-31	587	A
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USGS	12370000	2023-01-02	566	A
USGS	12370000	2023-01-03	544	A
USGS	12370000	2023-01-04	513	A
USGS	12370000	2023-01-05	498	A
USGS	12370000	2023-01-06	482	A
USGS	12370000	2023-01-07	475	A
USGS	12370000	2023-01-08	464	A
USGS	12370000	2023-01-09	453	A
USGS	12370000	2023-01-10	459	A
USGS	12370000	2023-01-11	450	A
USGS	12370000	2023-01-12	437	A
USGS	12370000	2023-01-13	429	A
USGS	12370000	2023-01-14	426	A
USGS	12370000	2023-01-15	424	A
USGS	12370000	2023-01-16	420	A
USGS	12370000	2023-01-17	425	A
USGS	12370000	2023-01-18	424	A
USGS	12370000	2023-01-19	421	A
USGS	12370000	2023-01-20	416	A
USGS	12370000	2023-01-21	408	A
USGS	12370000	2023-01-22	403	A
USGS	12370000	2023-01-23	400	A
USGS	12370000	2023-01-24	393	A
USGS	12370000	2023-01-25	390	A
USGS	12370000	2023-01-26	387	A
USGS	12370000	2023-01-27	386	A:e
USGS	12370000	2023-01-28	387	A:e
USGS	12370000	2023-01-29	371	A:e
USGS	12370000	2023-01-30	344	A:e
USGS	12370000	2023-01-31	327	A:e
USGS	12370000	2023-02-01	322	A:e
USGS	12370000	2023-02-02	327	A:e
USGS	12370000	2023-02-03	339	A:e
USGS	12370000	2023-02-04	352	A:e
USGS	12370000	2023-02-05	372	A:e
USGS	12370000	2023-02-06	379	A
USGS	12370000	2023-02-07	382	A
USGS	12370000	2023-02-08	392	A



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USGS	12370000	2023-02-10	386	A
USGS	12370000	2023-02-11	377	A
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USGS	12370000	2023-02-23	390	A:e
USGS	12370000	2023-02-24	383	A:e
USGS	12370000	2023-02-25	376	A:e
USGS	12370000	2023-02-26	366	A:e
USGS	12370000	2023-02-27	357	A:e
USGS	12370000	2023-02-28	355	A:e
USGS	12370000	2023-03-01	363	A
USGS	12370000	2023-03-02	355	A
USGS	12370000	2023-03-03	351	A
USGS	12370000	2023-03-04	351	A
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USGS	12370000	2023-03-07	326	A
USGS	12370000	2023-03-08	324	A
USGS	12370000	2023-03-09	319	A
USGS	12370000	2023-03-10	311	A
USGS	12370000	2023-03-11	312	A
USGS	12370000	2023-03-12	315	A
USGS	12370000	2023-03-13	320	A
USGS	12370000	2023-03-14	329	A
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USGS	12370000	2023-03-16	340	A
USGS	12370000	2023-03-17	343	A
USGS	12370000	2023-03-18	339	A
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USGS	12370000	2023-03-20	335	A
USGS	12370000	2023-03-21	336	A
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USGS	12370000	2023-03-23	342	A
USGS	12370000	2023-03-24	344	A
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USGS	12370000	2023-03-27	356	A
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USGS	12370000	2023-04-06	404	A
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USGS	12370000	2023-04-23	1010	A
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USGS	12370000	2023-04-25	977	A
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USGS	12370000	2023-04-27	1060	A
USGS	12370000	2023-04-28	1150	A
USGS	12370000	2023-04-29	1280	A
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USGS	12370000	2023-05-03	2810	A:e
USGS	12370000	2023-05-04	3450	A:e
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USGS	12370000	2023-05-07	4990	P
USGS	12370000	2023-05-08	5160	P
USGS	12370000	2023-05-09	4800	P
USGS	12370000	2023-05-10	4300	P
USGS	12370000	2023-05-11	3790	P
USGS	12370000	2023-05-12	3420	P
USGS	12370000	2023-05-13	3190	P
USGS	12370000	2023-05-14	3110	P
USGS	12370000	2023-05-15	3150	P
USGS	12370000	2023-05-16	3380	P
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USGS	12370000	2023-05-19	4440	P
USGS	12370000	2023-05-20	4420	P
USGS	12370000	2023-05-21	4420	P
USGS	12370000	2023-05-22	4490	P
USGS	12370000	2023-05-23	4560	P
USGS	12370000	2023-05-24	4490	P
USGS	12370000	2023-05-25	4190	P
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USGS	12370000	2023-05-28	3390	P
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USGS	12370000	2023-06-21	1790	P
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