

ORIGINAL

LAWRENCE G. WASDEN
Attorney General

CLIVE J. STRONG
Deputy Attorney General
Chief, Natural Resources Division

DAVID I. STANISH (ISB No. 7310)
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Attorneys for the Idaho Water Resource Board

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BEFORE THE DEPARTMENT OF WATER RESOURCES
OF THE
STATE OF IDAHO

IN THE MATTER OF APPLICATION FOR)
PERMIT NO. 94-07423 IN THE NAME OF) **AFFIDAVIT OF DAVID I.**
CONNIE DOUGALL) **STANISH**
_____)

State of Idaho)
)ss
County of Ada)

DAVID I. STANISH, being first duly sworn, deposes and states, as follows:

1. I am a deputy attorney general assigned to represent the Idaho Water Resource Board (IWRB) in the above-captioned proceedings. I am a competent adult over the age of eighteen years, and the statements made herein are based upon my own personal knowledge of the events described.

2. Attached hereto as Attachment I is a true and correct copy of Water Right License No. 94-07341 held in the name of the IWRB.

3. Attached hereto as Attachment II are true and correct copies of excerpts from the 2002 through 2007 United States Geological Survey (USGS) Water Data Reports pertaining to the USGS measuring gage on the Coeur d'Alene River at Cataldo, Idaho (No. 12413500). The Affiant has attempted to highlight the measurements that appear to fall below the minimum stream flow rates set forth in the IWRB's minimum stream flow license no. 94-07431.

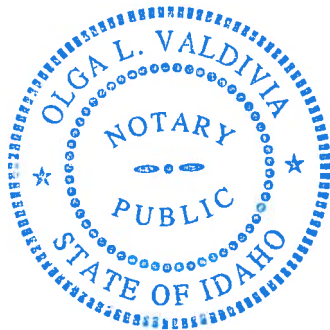
4. Further your affiant sayeth naught.

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DAVID I. STANISH
Deputy Attorney General
Natural Resources Division

Subscribed and sworn (or affirmed) to before me, a notary public in and for the State of Idaho this 23rd day of January, 2009.



Notary Public for Idaho
Residing at Boise
My Commission expires: 2/8/2012

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CERTIFICATE OF SERVICE

I certify that on the 23rd day of January, 2009, I caused to be served the original and/or copy of this AFFIDAVIT OF DAVID I. STANISH on each of the following persons by the indicated method.

1. Original to:

Keith Franklin
Idaho Department of Water Resources
Northern Region
7600 Mineral Drive, Ste 100
Coeur d'Alene, ID 83815

- ☒ U.S. Mail, postage prepaid
☐ Hand Delivery
☐ Federal Express
☐ Facsimile: _____

2. Copies to

Connie Dougall
219 S. Laurel Street
Post Falls, ID 83854

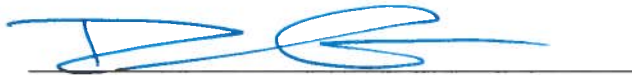
- ☒ U.S. Mail, postage prepaid
☐ Hand Delivery
☐ Federal Express
☐ Facsimile: _____

Idaho Department of Fish and Game
Panhandle Region
Attn: Mary Terra-Berns
2885 West Kathleen Avenue
Coeur d'Alene, ID 838315

- ☒ U.S. Mail, postage prepaid
☐ Hand Delivery
☐ Federal Express
☐ Facsimile: _____
☐ Email: _____

Walt Poole
Idaho Department of Fish and Game
600 S. Walnut
Boise, ID 83712

- ☐ U.S. Mail, postage prepaid
☒ Statehouse Mail
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DAVID I. STANISH
Deputy Attorney General

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Attachment I

Water Right License No. 94-07341

State of Idaho
Department of Water Resources

WATER RIGHT LICENSE

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WATER RIGHT NO. 94-07341

Priority: June 15, 1992

Minimum Instream Flow:

1018.00 CFS

This is to certify, that STATE OF IDAHO

IDAHO WATER RESOURCE BOARD

STATEHOUSE

BOISE ID 83720

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated June 15, 1992; and has submitted Proof of Beneficial Use on June 6, 1994. A minimum stream flow in

COEUR D ALENE RIVER

tributary to COEUR D ALENE LAKE

has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE</u>
MINIMUM INSTREAM FLOW	11/01 to 06/30	1018.00 CFS
MINIMUM INSTREAM FLOW	07/01 to 10/31	413.00 CFS

LOCATION OF MINIMUM STREAM FLOW REACH:

Beginning of Stream Flow Reach

NENW, Sec. 31, Township 49N, Range 02E

End of Stream Flow Reach

Lots 3 & 4 (SWNW), Sec. 36, Township 48N, Range 04W

KOOTENAI County

CONDITIONS OF APPROVAL AND REMARKS

1. Use of water under this right shall be non-consumptive.
2. This minimum streamflow shall be subject to future municipal and domestic development from the Coeur d'Alene River and its tributaries for use in the basin within and upstream of the minimum streamflow reach. The minimum streamflow will not be subject to water rights established in the future for irrigation uses or other large consumptive purposes even though covered under a municipal or domestic use definition.
3. Specifically because of the generalization of the Tennant method, the Director retains jurisdiction, as described below, to review and amend any and all parameters of this right. The Board, upon receiving a request, or upon its own initiative, may petition the Director for an amendment to the right. The petition must set forth any significant change in circumstances and evidence of the public interest supporting the proposed amendment. The Director will notify the general public and specific persons or known interested parties of the proposed change, and conduct a hearing for the purpose of determining whether the right should be amended in the public interest. The burden of proof at the hearing shall be upon the persons or parties seeking the amendment to establish that the amendment of the right would be in the public interest.

NOV 16 1995

State of Idaho
Department of Water Resources**WATER RIGHT LICENSE**

WATER RIGHT NO. 94-07341

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IDWR/NorthCONDITIONS OF APPROVAL AND REMARKS

4. Use of water under this right shall recognize and allow the continued beneficial diversion of water under any prior existing water right established by diversion and application to beneficial use or by an application, permit, or license on file or issued by the Director under Chapter 2, Title 42, Idaho Code, with a priority of water right date earlier than 06/15/1992.
5. Upon further finding and order of the Director that gauging stations are required to maintain the approved minimum flows on Coeur d'Alene River, such measuring devices shall be permanently installed and maintained as specified by the Director.
6. This minimum stream flow is for the protection of fish and wildlife habitat, aquatic life and recreational values.
7. This minimum stream flow begins at the confluence of the Coeur d'Alene River and the South Fork Coeur d'Alene River in the NENW, S31, T49N, R2E, Shoshone County and extends downstream approximately 35 miles to the mouth of the Coeur d'Alene River in Lots 3 and 4 (SWNW), S36, T48N, R4W, Kootenai County.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code.
Witness the seal and signature of the Director, affixed at Boise, this 24TH
day of OCTOBER, 1995.

Attorney for

MARL J. DREHER

Director

NOV 1 3 10 05

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Attachment II

**Excerpts from the 2002–07 USGS Water
Data Reports for the Cataldo Gage
(No. 12413500)**

SPOKANE RIVER BASIN

12413500 COEUR D'ALENE RIVER AT CATALDO, ID

LOCATION.--Lat 47°33'17", long 116°19'26", in NW 1/4 SE 1/4 NW 1/4 sec.34, T.49 N., R.1 E., Kootenai County, Hydrologic Unit 17010303, Cataldo quadrangle, on left bank at Cataldo, downstream side of abandoned railroad bridge, 0.9 mi upstream from Interstate Highway 90, 1.5 mi downstream from old gage site, 3.4 mi upstream from Latour Creek, about 2 mi upstream from Coeur d'Alene Lake backwater, 4.9 mi downstream from South Fork, and at mile 162.9.

DRAINAGE AREA.--1,223 mi², approximately.

PERIOD OF RECORD.--April 1911 to December 1912, July 1920 to September 1972, October 1986 to current year. Miscellaneous measurements made at this site 1972-80, published as 12413600.

REVISED RECORDS.--WSP 1396; WSP 1736; 1934 M.

GAGE.--Water-stage recorder. Gage readings have been reduced to datum of gage at 2,100.00 ft above NGVD of 1929. National Geodetic Survey adjustment in 1991 found datum to be 3.67 ft higher. Apr. 25, 1911 to Dec. 31, 1912, nonrecording gage at site 1.4 mi upstream at different datum. July 29, 1920 to Oct. 10, 1925, nonrecording gage. Oct. 11, 1925 to Sept. 30, 1972, recording gage at site 1.5 mi upstream at datum 2.84 ft lower and Aug. 22, 1986 to Feb. 3, 1997 at site 50 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records good. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,000 ft³ s Feb. 9, 1996, gage height, 51.62 ft, from rating curve extended above 30,000 ft³ s, on basis of runoff comparisons with upstream stations; maximum gage height, 56.90 ft, datum then in use, Dec. 22 or 23, 1933, (from floodmark); minimum discharge, 122 ft³ s Dec. 4, 1929; minimum gage height, 32.89 ft, Oct. 1-7, 1994.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 16, 1974 reached a discharge of 79,000 ft³ s, by indirect computation.

EXTREMES FOR CURRENT YEAR.--Peak discharges above a base discharge of 11,000 ft³ s and maximum (*):

Date	Time	Discharge (ft ³ s)	Gage height (ft)	Date	Time	Discharge (ft ³ s)	Gage height (ft)
Jan. 9	0600	18,400	42.25	May 3	2245	12,400	40.45
Feb. 23	1300	12,600	40.51	May 23	1000	19,800	42.63
Apr. 15	0245	*37,600	*46.51	May 29	0915	15,900	41.54

Minimum daily, 258 ft³ s Oct. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	276	1340	945	727	1590	3100	3990	10000	11900	2300	707	451
2	272	1040	974	654	1460	2650	4550	11200	10300	2070	686	437
3	268	842	1040	670	1370	2360	4630	11900	9360	1910	675	432
4	262	722	1070	701	1300	2190	4500	11600	8720	1790	665	426
5	265	649	1000	669	1220	2080	4760	9820	8440	1690	676	427
6	258	591	949	667	1190	2050	5760	8360	8110	1590	680	435
7	259	594	900	1500	1210	1880	7610	6980	7030	1520	663	458
8	270	617	833	11200	1330	1680	9980	6000	5950	1530	637	446
9	305	442	823	16700	1240	1610	9720	5250	5260	1520	622	426
10	319	462	810	10100	1160	1560	9230	4770	4660	1400	600	415
11	359	444	780	6420	1150	1910	12700	4490	4260	1330	588	406
12	396	430	756	5000	1100	6070	13700	4710	4110	1270	571	399
13	397	420	790	5200	1050	6440	16500	6120	4350	1220	558	391
14	402	424	1670	4430	1090	5140	27900	9850	4940	1180	545	386
15	392	903	1920	3650	1030	4250	33000	11000	5390	1130	535	380
16	397	898	1550	3060	1020	3660	19800	9400	5550	1090	524	378
17	335	933	1900	2640	1050	3200	12800	8870	5260	1060	514	404
18	322	1070	2310	2320	1080	2840	9610	9230	4820	1030	499	434
19	327	1610	1960	2120	1100	2660	8220	10600	4590	994	493	423
20	345	922	1610	2010	1220	3080	7800	16000	3980	965	490	402
21	350	947	1390	1890	1240	2670	7880	16500	3600	929	564	357
22	372	1090	1220	1720	3120	2440	8640	16500	3530	900	627	373
23	511	1700	1090	1570	11700	2450	9100	19000	3590	877	555	374
24	632	1990	901	1520	9840	2610	8410	14400	3440	864	531	371
25	588	1650	337	2470	6830	2600	7530	10800	3190	838	520	367
26	514	1370	750	4020	5140	2640	7100	9980	2980	822	503	345
27	468	1170	674	3170	4250	3080	6910	11700	2850	804	497	365
28	609	1050	800	2510	3630	3420	6740	14100	2710	783	490	362
29	678	1030	340	2100	---	3490	6800	15500	2750	765	476	364
30	652	984	765	1860	---	3450	8000	14700	2650	750	469	382
31	956	---	730	1710	---	3560	---	13200	---	723	462	---
TOTAL	12705	27701	34613	104978	69710	92820	303870	332530	158270	37644	17622	12074
MEAN	409.8	923.4	1117	3386	2490	2994	10130	10730	5276	1214	568.5	402.5
MAX	956	1990	2310	16700	11700	6440	33000	19000	11900	2300	707	458
MIN	258	420	674	654	1020	1560	3990	4490	2650	723	462	362
AC-FT	25200	54940	68650	208200	138300	184100	602700	659600	313900	74670	34950	23950
CFSM	0.34	0.76	0.91	2.77	2.04	2.45	8.28	8.77	4.31	0.99	0.46	0.33
IN.	0.39	0.84	1.05	3.19	2.12	2.82	9.24	10.11	4.81	1.15	0.54	0.37

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SPOKANE RIVER BASIN
12413500 COEUR D'ALENE RIVER AT CATALDO, ID--Continued

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	566.4	1334	1974	1858	2571	3328	7327	7005	2722	912.2	483.7	416.5
MAX	1984	6529	13230	8323	10430	10340	12570	13690	6769	1906	898	839
(WY)	1928	1928	1934	1934	1996	1972	1943	1997	1933	1950	1948	1927
MIN	276	238	276	241	276	810	2489	1895	768	404	273	260
(WY)	1945	1930	1931	1930	1929	1955	1941	1992	1926	1926	1940	2001
SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR					FOR 2002 WATER YEAR			b WATER YEARS 1911 - 2002			
ANNUAL TOTAL	424851					1204537						
ANNUAL MEAN	1164					3300			2536			
HIGHEST ANNUAL MEAN									4057			
LOWEST ANNUAL MEAN									1043			
HIGHEST DAILY MEAN	10300					33000			56000			
LOWEST DAILY MEAN	243					258			141			
ANNUAL SEVEN-DAY MINIMUM	250					264			176			
ANNUAL RUNOFF (AC-FT)	842700					2389000			1837000			
ANNUAL RUNOFF (CFSM)	0.95					2.70			2.07			
ANNUAL RUNOFF (INCHES)	12.92					36.64			28.17			
10 PERCENT EXCEEDS	2500					9650			6840			
50 PERCENT EXCEEDS	579					1300			1110			
90 PERCENT EXCEEDS	277					401			348			

SPOKANE RIVER BASIN

12413500 COEUR D'ALENE RIVER AT CATALDO, ID

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LOCATION.--Lat 47°33'17", long 116°19'26", in NW¼SE¼NW¼ sec.34, T.49 N., R.1 E., Kootenai County, Cataldo quad., Hydrologic Unit 17010303, Cataldo quadrangle, on left bank at Cataldo, downstream side of abandoned railroad bridge, 0.9 mi upstream from Interstate Highway 90, 1.5 mi downstream from old gage site, 3.4 mi upstream from Latour Creek, about 2 mi upstream from Coeur d'Alene Lake backwater, 4.9 mi downstream from South Fork, and at mile 162.9.

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GAGE.--Water-stage recorder. Gage readings have been reduced to datum of gage at 2,100.00 ft above NGVD of 1929. National Geodetic Survey adjustment in 1991 found datum to be 3.67 ft higher. Apr. 25, 1911 to Dec. 31, 1912, nonrecording gage at site 1.4 mi upstream at different datum. July 29, 1920 to Oct. 10, 1925, nonrecording gage. Oct. 11, 1925 to Sept. 30, 1972, recording gage at site 1.5 mi upstream at datum 2.84 ft lower and Aug. 22, 1986 to Feb. 3, 1997 at site 50 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,000 ft³/s Feb. 9, 1996, gage height, 51.62 ft, from rating curve extended above 30,000 ft³/s, on basis of runoff comparisons with upstream stations; maximum gage height, 56.90 ft, datum then in use. Dec. 22 or 23, 1933, (from floodmark); minimum discharge, 122 ft³/s Dec. 4, 1929; minimum gage height, 32.89 ft, Oct. 1-7, 1994.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 16, 1974 reached a discharge of 79,000 ft³/s, by indirect computation.

EXTREMES FOR CURRENT YEAR.--Peak discharges above a base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 1	1330	*24,100	*43.69	Mar. 23	1845	20,500	42.82

Minimum daily, 250 ft³/s Sept. 3-7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	300	330	334	333	21000	1450	6310	2990	2650	680	340	4200
2	300	330	334	333	15000	1300	7220	2910	2300	660	340	4200
3	300	330	334	333	1110	9300	1310	6470	3000	2140	640	4200
4	300	330	334	333	1510	6450	1200	5020	3120	1350	620	4200
5	300	330	334	333	1600	4000	1220	4050	3120	1600	617	4200
6	300	330	334	333	1040	3930	1210	4420	2900	1050	600	415
7	300	330	334	333	1500	3310	1170	3940	2700	1020	590	400
8	300	330	334	333	1320	2910	1110	3570	2600	1500	587	400
9	300	330	334	333	1150	2600	1020	3580	2420	1510	584	400
10	300	330	334	333	2340	1210	3820	2270	1470	503	400	400
11	300	330	334	333	2110	1350	4500	2100	1450	543	390	400
12	300	330	334	333	1930	2350	5340	2230	1300	525	390	400
13	300	330	334	333	1040	1700	3850	5700	2450	1200	511	400
14	300	330	334	333	1040	1700	5470	5770	2030	1250	503	400
15	300	330	334	333	1100	1500	7020	5620	2000	1170	493	400
16	300	330	334	333	1100	1000	7010	5090	2900	1100	484	400
17	300	330	334	333	1040	1700	7030	4050	2600	1050	482	400
18	300	330	334	333	1340	1770	6700	4410	2400	1010	460	400
19	300	330	334	333	1090	1710	5050	3950	2230	970	457	400
20	300	330	334	333	1750	4030	3670	2040	900	443	400	400
21	300	330	334	333	2070	4450	3570	1920	950	434	400	400
22	300	330	334	333	2320	6570	3820	1840	940	420	400	400
23	300	330	334	333	2240	10200	4340	1800	915	414	400	400
24	300	330	334	333	1940	14900	4570	2170	874	400	400	400
25	300	330	334	333	1000	9000	4050	3200	840	380	400	400
26	300	330	334	333	2740	1700	7710	4480	3600	802	400	400
27	300	330	334	333	5000	1600	6010	3900	3100	700	400	400
28	300	330	334	333	7050	1500	5020	2830	2830	700	400	400
29	300	330	334	333	5540	---	4000	3240	3020	700	400	400
30	300	330	334	333	4920	---	4300	3080	2900	650	400	400
31	300	330	334	333	7400	---	4480	---	2800	650	400	400
TOTAL	10900	13040	21140	65702	100030	152940	130040	62570	30603	15410	10002	6604
MEAN	355	455	682	2122	3000	4834	4601	2004	1200	497	323	209
MAX	403	507	1710	9000	21000	10200	7220	3000	2650	680	415	354
MIN	304	280	342	947	1500	1000	3080	1040	600	253	260	250
AC-FT	21010	27070	41950	130500	211500	303400	273800	103600	76730	36500	19040	17220
CFSH	0.20	0.37	0.50	1.74	3.11	4.03	3.76	2.10	1.05	0.41	0.20	0.24
TH	0.33	0.42	0.64	2.00	3.24	4.05	4.20	2.51	1.10	0.47	0.30	0.26

SPOKANE RIVER BASIN
12413500 COEUR D'ALENE RIVER AT CATALDO, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2003, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
MEAN	563	1322	1956	1862	2589	3351	7288	6944	2701	906	481
MAX	1984	6529	13230	8323	10430	10340	12576	13090	6769	1906	898
(WY)	1928	1928	1934	1934	1936	1972	1943	1997	1933	1950	1948
MIN	276	238	276	241	270	610	2469	1895	708	404	273
(WY)	1945	1930	1931	1930	1929	1955	1941	1992	1928	1926	1940

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1911 - 2003
ANNUAL TOTAL	1175209	664541	2526
ANNUAL MEAN	3229	1821	4957
HIGHEST ANNUAL MEAN			1943
LOWEST ANNUAL MEAN			1944
HIGHEST DAILY MEAN	33000	21800	50000
LOWEST DAILY MEAN	280	250	141
ANNUAL SEVEN-DAY MINIMUM	313	253	176
ANNUAL RUNOFF (AC-FT)	2331000	1316000	1830000
ANNUAL RUNOFF (CFSM)	2.63	1.49	2.07
ANNUAL RUNOFF (INCHES)	35.75	20.21	28.06
10 PERCENT EXCEEDS	9650	4650	6820
50 PERCENT EXCEEDS	1186	647	1110
90 PERCENT EXCEEDS	361	303	347

± Estimated

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SPOKANE RIVER BASIN

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LOCATION.--Lat 47°33'17", long 116°19'26", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.49 N., R.1 E., Kootenai County, Cataldo quad., Hydrologic Unit 17010303, Cataldo quadrangle, on left bank at Cataldo, downstream side of abandoned railroad bridge, 0.9 mi upstream from Interstate Highway 90, 1.5 mi downstream from old gage site, 3.4 mi upstream from Latour Creek, about 2 mi upstream from Coeur d'Alene Lake backwater, 4.9 mi downstream from South Fork, and at mile 162.9.

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GAGE.--Water-stage recorder. Gage readings have been reduced to datum of gage at 2,100.00 ft above NGVD of 1929. National Geodetic Survey adjustment in 1991 found datum to be 3.67 ft higher. Apr. 25, 1911 to Dec. 31, 1912, nonrecording gage at site 1.4 mi upstream at different datum. July 29, 1920 to Oct. 10, 1925, nonrecording gage, Oct. 11, 1925 to Sept. 30, 1972, recording gage at site 1.5 mi upstream at datum 2.84 ft lower and Aug. 22, 1986 to Feb. 3, 1997 at site 50 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,000 ft³/s Feb. 9, 1996, gage height, 51.62 ft, from rating curve extended above 30,000 ft³/s, on basis of runoff comparisons with upstream stations; maximum gage height, 56.90 ft, datum then in use, Dec. 22 or 23, 1933, (from floodmark); minimum discharge, 122 ft³/s Dec. 4, 1929; minimum gage height, 32.89 ft, Oct. 1-7, 1994.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 16, 1974 reached a discharge of 79,000 ft³/s, by indirect computation.

EXTREMES FOR CURRENT YEAR.--Peak discharges above a base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 15	0330	*9,820	*39.52	No peaks greater than base discharge.			

Minimum daily, 253 ft³/s Oct. 5, 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	259	454	1080	626	3450	2600	7600	4140	5650	1080	500	560
2	261	375	993	618	2550	2410	6390	4490	5100	1040	490	535
3	258	361	1010	638	2040	2210	5550	5260	4420	989	483	521
4	255	354	1180	584	1740	2120	5660	5560	3900	963	491	505
5	253	333	1180	6450	1520	1960	6990	5210	3530	948	489	488
6	253	285	1640	6310	1360	1810	8080	4570	3520	906	485	472
7	256	280	2500	413	1280	1620	8550	3960	3250	920	552	455
8	260	293	2050	567	1190	1550	8680	3800	2860	905	561	439
9	268	324	1600	613	1110	1790	8330	3790	2590	865	524	430
10	272	339	1330	621	1050	2600	7300	3500	2450	841	492	424
11	272	553	1160	626	1000	3450	6440	3440	2430	812	470	437
12	286	672	1050	625	952	3690	6190	3100	2250	783	456	511
13	336	565	987	615	895	3750	6680	2770	2160	757	444	541
14	347	482	980	611	894	3740	8400	2530	2080	738	437	601
15	358	440	899	624	925	3610	9440	2270	1940	715	427	703
16	386	432	827	655	916	3510	7610	2190	1830	694	421	838
17	450	568	781	672	942	3550	6080	2230	1740	679	415	834
18	429	900	744	682	1400	4160	5170	2240	1650	675	407	933
19	344	1380	769	683	2680	5570	4530	2380	1580	681	405	1050
20	357	1460	669	689	2880	5850	4220	2570	1520	674	414	940
21	362	1200	692	690	2660	4980	3970	2690	1460	657	407	837
22	433	934	634	680	2390	4560	3630	3530	1400	636	416	753
23	103	763	663	703	2180	5110	3420	4340	1340	610	485	697
24	371	768	661	721	2090	6140	3550	4130	1280	592	532	653
25	346	659	711	734	2120	6440	3660	3610	1240	578	784	617
26	331	613	734	709	2210	6210	3630	3350	1200	563	1570	586
27	324	573	714	694	2430	6070	4050	4150	1220	552	1140	561
28	349	536	752	768	2670	5680	5340	4780	1160	539	891	539
29	567	729	675	1120	2710	5110	5230	4880	1190	527	754	521
30	594	1150	669	3870	---	4980	4450	4700	1150	517	662	507
31	471	---	571	4770	---	6410	---	5310	---	509	601	---
TOTAL	10802	18735	30780	27457	52234	123240	178820	115470	69090	22945	17606	18488
MEAN	348	624	993	886	1801	3975	5961	3725	2303	740	568	616
MAX	594	1460	2500	4770	3450	6440	9440	5560	5650	1080	1570	1050
MIN	253	280	571	340	894	1550	3420	2190	1150	509	406	424
AC-FT	21430	37160	61050	54460	103600	244400	354700	229000	137000	45510	34920	36670
CFSM	0.28	0.51	0.81	0.72	1.47	3.25	4.87	3.05	1.88	0.61	0.46	0.50
IN.	0.33	0.57	0.94	0.84	1.59	3.75	5.44	3.51	2.10	0.70	0.54	0.56

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SPOKANE RIVER BASIN

12413500 COEUR D'ALENE RIVER AT CATALDO, ID--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2004, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	560	1312	1942	1848	2577	3360	7270	6899	2696	904	483	418
MAX	1984	6529	13230	8323	10430	10340	12570	13690	6769	1906	898	839
(WY)	1928	1928	1934	1934	1996	1972	1943	1997	1933	1950	1948	1927
MIN	276	238	276	241	276	810	2489	1895	768	404	273	260
(WY)	1945	1930	1931	1930	1929	1955	1941	1992	1926	1926	1940	2001

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR				FOR 2004 WATER YEAR				WATER YEARS 1911 - 2004			
ANNUAL TOTAL	679067				685667							
ANNUAL MEAN	1860				1873				2517			
HIGHEST ANNUAL MEAN									4057			
LOWEST ANNUAL MEAN									1043			1996
HIGHEST DAILY MEAN	21800				Feb 1	9440	Apr 15	56000	Feb 9	1996		
LOWEST DAILY MEAN	250				Sep 3	253	Oct 5	141	Dec 5	1929		
ANNUAL SEVEN-DAY MINIMUM	253				Sep 1	257	Oct 1	176	Jan 16	1930		
ANNUAL RUNOFF (AC-FT)	1347000				1360000				1823000			
ANNUAL RUNOFF (CFSM)	1.52				1.53				2.06			
ANNUAL RUNOFF (INCHES)	20.66				20.86				27.96			
10 PERCENT EXCEEDS	4650				5020				6800			
50 PERCENT EXCEEDS	942				906				1100			
90 PERCENT EXCEEDS	290				405				347			

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SPOKANE RIVER BASIN

12413500 COEUR D'ALENE RIVER AT CATALDO, ID--Continued

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2005, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	563	1325	1969	1868	2568	3346	7229	6835	2675	900	481	416
MAX	1984	6529	13230	8323	10430	10340	12570	13690	6769	1906	898	839
(WY)	1928	1928	1934	1934	1996	1972	1943	1997	1933	1950	1948	1927
MIN	276	238	276	241	276	810	2489	1895	768	404	273	260
(WY)	1945	1930	1931	1930	1929	1955	1941	1992	1926	1926	1940	2001

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1911 - 2005
ANNUAL TOTAL	837224	717427	
ANNUAL MEAN	2287	1966	2509
HIGHEST ANNUAL MEAN			4057
LOWEST ANNUAL MEAN			1043
HIGHEST DAILY MEAN	18500	Dec 12	56000
LOWEST DAILY MEAN	340	Jan 6	141
ANNUAL SEVEN-DAY MINIMUM	412	Aug 16	176
ANNUAL RUNOFF (AC-FT)	1661000	1423000	1818000
ANNUAL RUNOFF (CFSM)	1.87	1.61	2.05
ANNUAL RUNOFF (INCHES)	25.47	21.82	27.87
10 PERCENT EXCEEDS	5400	4500	6770
50 PERCENT EXCEEDS	1280	1270	1110
90 PERCENT EXCEEDS	485	376	348

e Estimated

Water-Data Report 2006

12413500 COEUR D'ALENE RIVER AT CATALDO, ID

Spokane Basin
Coeur D'Alene Lake Subbasin

LOCATION.--Lat 47°33'18", long 116°19'28" referenced to North American Datum of 1983, in NW ¼ SE ¼ NW ¼ sec.34, T.49 N., R.1 E., Kootenai County, ID, Hydrologic Unit 17010303, Cataldo quad., on left bank at Cataldo, downstream side of Rails-to-Trails bicycle bridge, 0.9 mi upstream from Interstate 90, 1.5 mi downstream from old gage site, 3.4 mi upstream from Latour Creek, about 2 mi upstream from Coeur d'Alene Lake backwater, 4.9 mi downstream from South Fork, and at mile 162.9.

DRAINAGE AREA.--1,223 mi², approximately.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1911 to December 1912, July 1920 to September 1972, October 1986 to current year. Miscellaneous measurements made at this site 1972-80, published as 12413600.

REVISED RECORDS.--WSP 1396: 1945. WSP 1736: 1934 M.

GAGE.--Water-stage recorder. Gage readings have been reduced to datum of gage at 2,100.00 ft above NGVD of 1929. National Geodetic Survey adjustment in 1991 found datum to be 3.67 ft higher. Apr. 25, 1911 to Dec. 31, 1912, nonrecording gage at site 1.4 mi upstream at different datum. July 29, 1920 to Oct. 10, 1925, nonrecording gage, Oct. 11, 1925 to Sept. 30, 1972, recording gage at site 1.5 mi upstream at datum 2.84 ft lower and Aug. 22, 1986 to Feb. 3, 1997 at site 50 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,000 ft³/s Feb. 9, 1996, gage height, 51.62 ft, from rating curve extended above 30,000 ft³/s, on basis of runoff comparisons with upstream stations; maximum gage height, 56.90 ft, datum then in use, Dec. 22 or 23, 1933, (from floodmark); minimum discharge, 122 ft³/s Dec. 4, 1929; minimum gage height, 32.89 ft, Oct. 1-7, 1994.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 16, 1974 reached a discharge of 79,000 ft³/s, by indirect computation.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 11	1815	12,100	40.52
Jan 15	1130	11,200	40.20
Apr 10	0445	12,000	40.66
Apr 16	0145	*20,800	*43.04
Apr 30	2145	13,000	40.99

Minimum daily discharge, 303 ft³/s, Dec 8.

12413500 COEUR D'ALENE RIVER AT CATALDO, ID—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

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Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,250	747	612	5,090	2,800	4,410	5,180	11,600	3,590	1,440	608	392
2	1,640	1,150	615	5,030	2,840	4,720	5,890	8,840	3,490	1,380	598	381
3	1,180	1,190	596	4,270	2,980	4,460	5,870	6,910	3,510	1,320	589	369
4	948	1,200	546	3,650	3,260	4,050	5,990	5,830	3,390	1,270	575	361
5	842	1,190	508	3,140	3,640	3,530	6,880	5,400	3,430	1,230	562	354
6	730	1,130	530	2,830	3,310	3,310	8,710	5,560	3,120	1,270	551	346
7	668	1,070	408	2,720	2,960	3,450	11,100	6,270	2,930	1,250	e540	339
8	636	1,020	303	3,010	2,680	3,530	11,600	6,940	3,050	1,150	e500	343
9	603	931	412	3,060	2,460	3,600	11,400	6,550	2,990	1,100	e490	346
10	559	858	525	4,430	2,230	3,340	11,700	5,600	2,850	1,060	e500	338
11	526	829	501	10,800	2,040	3,040	10,600	5,060	2,710	1,040	547	330
12	501	868	479	9,990	1,960	2,750	9,100	5,040	2,530	1,000	566	323
13	480	877	479	7,150	1,940	2,530	8,450	5,320	2,400	987	536	316
14	470	931	473	8,140	1,880	2,390	9,450	5,340	2,620	959	506	324
15	456	954	435	10,800	1,750	2,300	16,500	5,800	3,260	919	489	333
16	440	927	395	8,940	1,700	2,140	18,400	7,950	3,500	886	475	331
17	427	893	351	6,880	e1,300	2,060	12,500	9,620	3,630	858	482	331
18	416	845	306	5,660	e1,050	2,030	9,320	9,820	3,350	832	494	323
19	414	803	304	4,640	e1,200	1,960	7,450	9,300	3,110	814	478	335
20	462	772	429	4,110	e1,450	1,930	6,420	8,760	2,870	795	454	400
21	509	740	483	3,610	1,530	1,920	6,370	7,940	2,620	775	440	457
22	481	714	695	3,060	1,470	1,900	7,230	6,560	2,410	753	428	473
23	452	691	2,170	2,710	1,440	1,890	8,000	6,260	2,230	735	413	433
24	434	671	3,010	2,490	1,410	2,050	7,880	5,460	2,070	715	407	397
25	419	659	3,320	2,350	1,260	2,730	7,430	4,740	1,940	698	401	374
26	423	673	3,590	2,270	1,260	3,950	6,880	4,320	1,820	680	398	360
27	456	656	3,870	2,190	1,420	4,180	6,910	3,880	1,730	666	392	351
28	460	630	4,080	2,130	2,410	4,030	7,850	3,660	1,650	651	384	341
29	473	615	5,920	2,090	---	3,840	9,200	3,910	1,570	635	376	335
30	490	627	5,580	2,190	---	3,820	11,800	4,010	1,520	623	375	328
31	528	---	4,780	2,700	---	4,290	---	3,830	---	616	389	---
Total	18,773	25,861	46,705	142,130	57,630	96,130	272,060	196,080	81,890	29,107	14,943	10,764
Mean	606	862	1,507	4,585	2,058	3,101	9,069	6,325	2,730	939	482	359
Max	1,640	1,200	5,920	10,800	3,640	4,720	18,400	11,600	3,630	1,440	608	473
Min	414	615	303	2,090	1,050	1,890	5,180	3,660	1,520	616	375	316
Ac-ft	37,240	51,300	92,640	281,900	114,300	190,700	539,600	388,900	162,400	57,730	29,640	21,350
Cfsm	0.50	0.70	1.23	3.75	1.68	2.54	7.42	5.17	2.23	0.77	0.39	0.29
In.	0.57	0.79	1.42	4.32	1.75	2.92	8.28	5.96	2.49	0.89	0.45	0.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2006, BY WATER YEAR (WY)

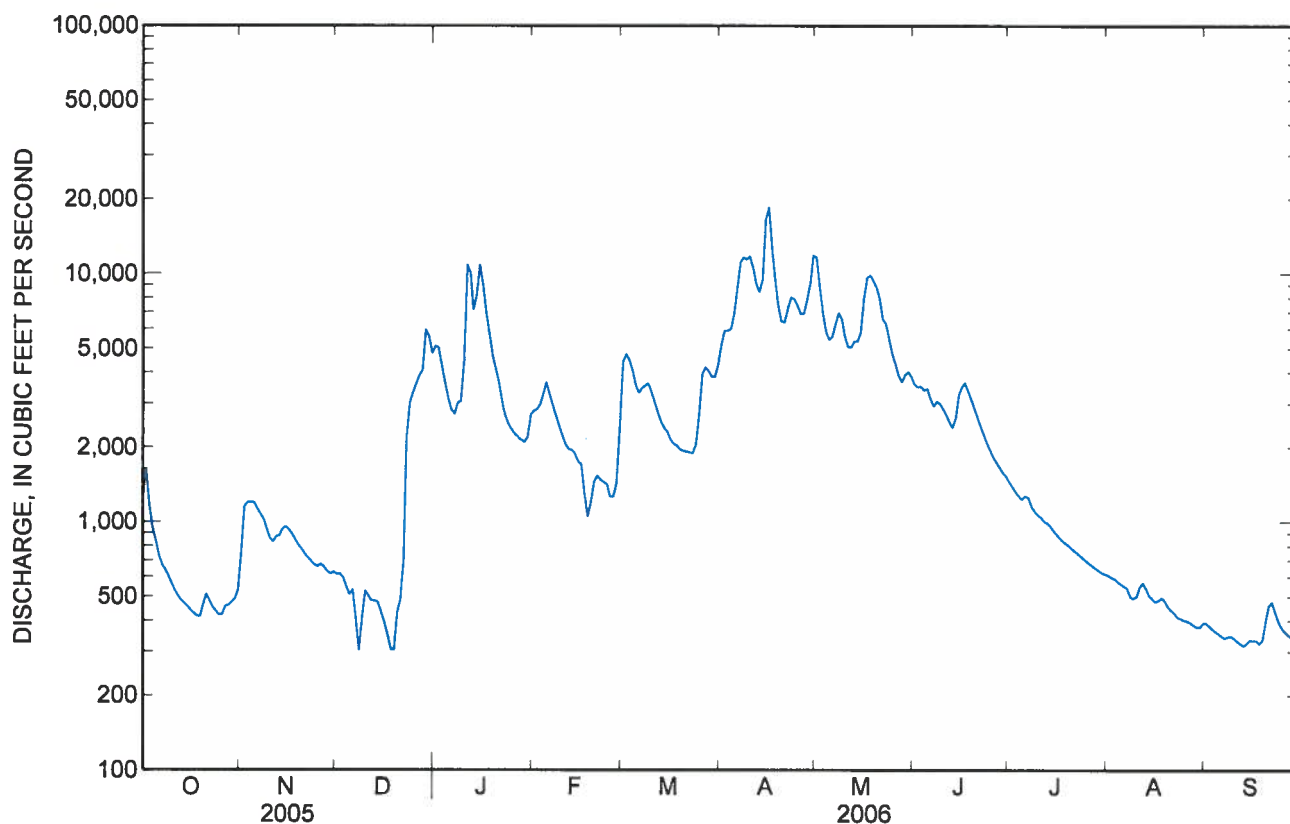
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	564	1,319	1,963	1,905	2,561	3,343	7,254	6,828	2,676	901	481	416
Max	1,984	6,529	13,230	8,323	10,430	10,340	12,570	13,690	6,769	1,906	898	839
(WY)	(1928)	(1928)	(1934)	(1934)	(1996)	(1972)	(1943)	(1997)	(1933)	(1950)	(1948)	(1927)
Min	276	238	276	241	276	810	2,489	1,895	768	404	273	260
(WY)	(1945)	(1930)	(1931)	(1930)	(1929)	(1955)	(1941)	(1992)	(1926)	(1926)	(1940)	(2001)

12413500 COEUR D'ALENE RIVER AT CATALDO, ID—Continued

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SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1911 - 2006	
Annual total	596,892		992,073			
Annual mean	1,635		2,718		2,512	
Highest annual mean					4,057	
Lowest annual mean					1,043	
Highest daily mean	11,600	Mar 29	18,400	Apr 16	56,000	Feb 9, 1996
Lowest daily mean	303	Dec 8	303	Dec 8	141	Dec 5, 1929
Annual seven-day minimum	314	Sep 22	326	Sep 12	176	Jan 16, 1930
Annual runoff (ac-ft)	1,184,000		1,968,000		1,820,000	
Annual runoff (cfs)	1.34		2.22		2.05	
Annual runoff (inches)	18.16		30.18		27.91	
10 percent exceeds	4,100		6,920		6,770	
50 percent exceeds	1,110		1,450		1,110	
90 percent exceeds	366		398		348	



12413500 COEUR D'ALENE RIVER AT CATALDO, ID—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1987 to March 2000, October 2003, October 2004, October 2005, October 2006.

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WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 2

Date	Time	Agency ana- lyzing sample, code (00028)	Alti- tude of land surface feet (72000)	Instan- taneous dis- charge, cfs (00061)	Drain- age area, mi ² (81024)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat un- f uS/cm 25 deg C (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Cadmium water, fltrd, ug/L (01025)	Lead, water, fltrd, ug/L (01049)
Oct 17...	1420	80020	2,100.00	426	1,223	7.2	99	23.0	12.0	10.5	3.36	1.87	1.90

WATER-QUALITY
DATA
WATER YEAR
OCTOBER 2005 TO
SEPTEMBER 2006

Part 2 of 2

Date	Zinc, water, fltrd, ug/L (01090)
Oct 17...	315

12413500 COEUR D'ALENE RIVER AT CATALDO, IDSpokane Basin
Coeur D'Alene Lake Subbasin

LOCATION.--Lat 47°33'18", long 116°19'28" referenced to North American Datum of 1983, in NW ¼ SE ¼ NW ¼ sec.34, T.49 N., R.1 E., Kootenai County, ID, Hydrologic Unit 17010303, Cataldo quad., on left bank at Cataldo, downstream side of Rails-to-Trails bicycle bridge, 0.9 mi upstream from Interstate 90, 1.5 mi downstream from old gage site, 3.4 mi upstream from Latour Creek, about 2 mi upstream from Coeur d'Alene Lake backwater, 4.9 mi downstream from South Fork, and at mile 162.9.

DRAINAGE AREA.--1,223 mi², approximately.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1911 to December 1912, July 1920 to September 1972, October 1986 to current year. Miscellaneous measurements made at this site 1972-80, published as 12413600.

REVISED RECORDS.--WSP 1396: 1945. WSP 1736: 1934 M.

GAGE.--Water-stage recorder. Gage readings have been reduced to datum of gage at 2,100.00 ft above NGVD of 1929. National Geodetic Survey adjustment in 1991 found datum to be 3.67 ft higher. Apr. 25, 1911 to Dec. 31, 1912, nonrecording gage at site 1.4 mi upstream at different datum. July 29, 1920 to Oct. 10, 1925, nonrecording gage, Oct. 11, 1925 to Sept. 30, 1972, recording gage at site 1.5 mi upstream at datum 2.84 ft lower and Aug. 22, 1986 to Feb. 3, 1997, at site 50 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Station equipment includes satellite telemetry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,000 ft³/s Feb. 9, 1996, gage height, 51.62 ft, from rating curve extended above 30,000 ft³/s, on basis of runoff comparisons with upstream stations; maximum gage height, 56.90 ft, datum then in use, Dec. 22 or 23, 1933, (from floodmark); minimum discharge, 122 ft³/s Dec. 4, 1929; minimum gage height, 32.89 ft, Oct. 1-7, 1994.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 16, 1974 reached a discharge of 79,000 ft³/s, by indirect computation.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 7	2330	11,600	40.57
Mar 13	1030	*24,400	*44.29
Mar 21	1000	12,700	40.97
Mar 26	1500	19,000	42.92

Minimum discharge, 222 ft³/s, Sept. 16, 17, gage height, 32.82 ft.

12413500 COEUR D'ALENE RIVER AT CATALDO, ID—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	319	318	1,530	1,520	981	2,140	6,440	6,150	1,810	778	374	314
2	315	300	1,430	1,590	981	1,940	6,160	6,170	1,840	750	365	320
3	312	370	1,320	2,460	878	1,790	5,590	6,320	1,840	727	358	301
4	313	685	1,260	3,680	924	1,730	4,970	5,620	1,820	702	348	284
5	310	1,070	1,250	3,470	980	1,720	4,470	4,640	1,840	682	343	273
6	308	1,980	1,190	3,100	991	1,740	4,150	3,870	1,810	661	339	267
7	312	8,750	1,150	2,680	997	1,930	4,280	3,460	1,710	643	334	261
8	320	8,880	1,120	2,600	1,070	2,700	5,010	3,560	1,560	627	331	256
9	313	4,450	1,120	2,410	1,210	3,640	6,300	4,590	1,450	612	338	252
10	304	2,770	1,130	2,450	1,330	3,750	8,290	5,230	1,500	600	330	248
11	298	2,410	1,150	e2,200	1,470	4,560	7,950	4,860	1,480	584	326	242
12	298	2,290	1,380	e1,720	1,680	11,500	6,570	4,700	1,350	569	319	236
13	296	2,460	1,990	e1,440	1,840	22,800	5,480	4,910	1,270	551	311	234
14	293	2,730	2,770	e1,370	1,920	16,800	4,920	4,570	1,220	537	304	229
15	309	2,220	3,920	e1,430	2,050	10,900	4,800	3,860	1,170	528	296	229
16	385	2,460	4,250	e1,580	3,080	8,270	4,790	3,550	1,140	521	291	228
17	428	2,900	3,430	1,700	3,610	6,870	4,990	3,660	1,170	511	291	228
18	399	2,460	2,750	1,680	3,760	6,860	5,160	3,710	1,210	544	288	244
19	382	2,060	2,350	1,610	3,890	8,350	5,050	3,460	1,110	531	291	255
20	459	2,300	2,160	e1,480	4,530	10,300	4,590	3,190	1,040	515	336	262
21	442	3,610	2,040	e1,420	4,880	12,300	4,160	2,910	996	500	426	287
22	393	3,960	1,940	e1,340	4,130	10,500	3,840	2,610	968	485	437	285
23	357	3,730	1,810	e1,290	3,570	8,440	3,680	2,350	935	469	395	279
24	338	3,470	1,650	1,270	3,030	7,160	4,110	2,210	909	455	357	289
25	331	2,980	1,630	1,200	2,760	10,400	4,950	2,180	919	445	334	282
26	327	2,540	1,690	1,130	2,610	17,800	5,440	2,060	896	432	318	271
27	323	2,350	1,860	1,070	2,410	14,800	5,250	2,050	854	420	312	257
28	313	2,050	1,970	959	2,270	10,600	5,180	2,090	824	412	304	253
29	311	1,790	1,840	906	---	8,220	5,890	2,020	807	401	296	278
30	347	1,620	1,700	899	---	7,020	6,340	1,890	800	391	290	277
31	344	---	1,540	952	---	6,530	---	1,810	---	383	287	---
Total	10,499	81,963	58,320	54,606	63,832	244,060	158,800	114,260	38,248	16,966	10,269	7,921
Mean	339	2,732	1,881	1,761	2,280	7,873	5,293	3,686	1,275	547	331	264
Max	459	8,880	4,250	3,680	4,880	22,800	8,290	6,320	1,840	778	437	320
Min	293	300	1,120	899	878	1,720	3,680	1,810	800	383	287	228
Ac-ft	20,820	162,600	115,700	108,300	126,600	484,100	315,000	226,600	75,860	33,650	20,370	15,710
Cfsm	0.28	2.23	1.54	1.44	1.86	6.44	4.33	3.01	1.04	0.45	0.27	0.22
In.	0.32	2.49	1.77	1.66	1.94	7.42	4.83	3.48	1.16	0.52	0.31	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	561	1,337	1,962	1,903	2,558	3,404	7,228	6,786	2,657	896	479	414
Max	1,984	6,529	13,230	8,323	10,430	10,340	12,570	13,690	6,769	1,906	898	839
(WY)	(1928)	(1928)	(1934)	(1934)	(1996)	(1972)	(1943)	(1997)	(1933)	(1950)	(1948)	(1927)
Min	276	238	276	241	276	810	2,489	1,895	768	404	273	260
(WY)	(1945)	(1930)	(1931)	(1930)	(1929)	(1955)	(1941)	(1992)	(1926)	(1926)	(1940)	(2001)

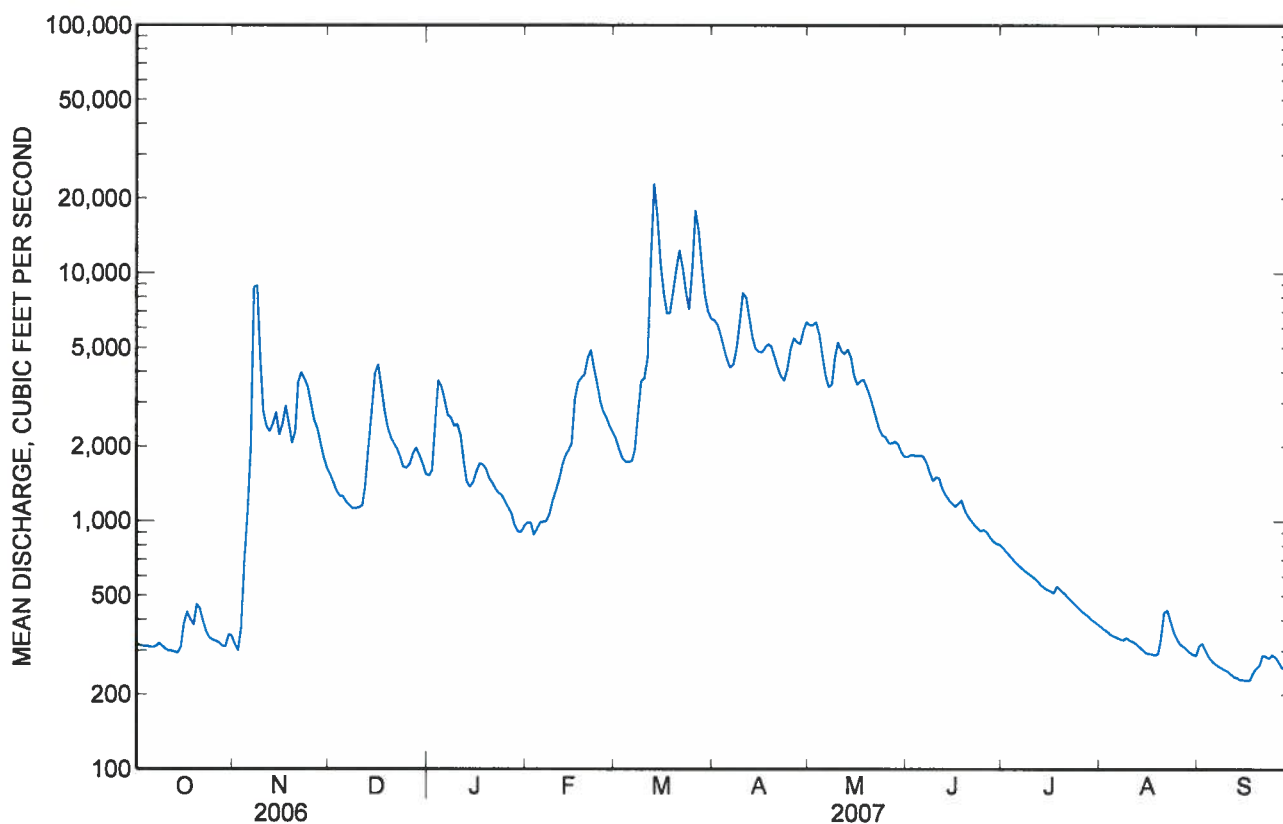
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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1911 - 2007	
Annual total	1,051,516		859,744			
Annual mean	2,881		2,355		2,510	
Highest annual mean					4,057	
Lowest annual mean					1,043	
Highest daily mean	18,400	Apr 16	22,800	Mar 13	56,000	Feb 9, 1996
Lowest daily mean	293	Oct 14	228	Sep 16	141	Dec 5, 1929
Annual seven-day minimum	302	Oct 9	232	Sep 11	176	Jan 16, 1930
Annual runoff (ac-ft)	2,086,000		1,705,000		1,818,000	
Annual runoff (cfs)	2.36		1.93		2.05	
Annual runoff (inches)	31.98		26.15		27.88	
10 percent exceeds	7,180		5,460		6,760	
50 percent exceeds	2,040		1,450		1,120	
90 percent exceeds	340		296		347	



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1987 to March 2000, October 2003, October 2004, October 2005, October 2006.

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WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Time	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf μ S/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Cadmium, water, fltrd, μ g/L (01025)	Lead, water, fltrd, μ g/L (01049)	Zinc, water, fltrd, μ g/L (01090)
Oct 05...	1310	316	7.2	114	20.0	11.9	49	12.9	4.13	2.03	1.12	381