



RECEIVED

JAN 31 2006

WATER RESOURCES
WESTERN REGION

January 28, 2006

Dan Nelson
Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705

Subject: Application for Permit From the Boise River for Steven and Chris Stout

Dear Dan:

This letter provides responses to the questions in your letter of October 19, 2005.

Page 1, Item 1. Regarding ponds, there are existing ponds within the natural slough along the north side of the property. No permanent pond construction is anticipated as part of this permit. The applicant may temporarily flood agricultural fields to create waterfowl habitat.

Page 1, Item 2. The proposed development period will be five (5) years.

Page 1, Item 3. You are correct. This 30 cfs application is for the same use as permit 63-31350, and will supplement the 5 cfs authorized under that permit, for a total proposed diversion rate of 35 cfs.

Page 2, Item 1. Attached is a letter to the Bureau of Reclamation describing the application and seeking comment.

Page 2, Item 2. No change is proposed to the Baxter Ditch or the associated diversion structure. The headworks of the ditch currently can divert far in excess of 35 cfs, with any diversion that exceeds the lower ditch capacity spilling back to the river at a controlled spill point in the upper portion of the ditch. The ditch capacity below the spill point appears to be in the range of 30 to 35 cfs. I have attached a discharge rating table for the ditch that was obtained from the Boise River Watermaster. The table is for a gauge height of up to 3.5 feet with an estimated discharge of 28.5 cfs. The maximum flow depth through the measurement structure is 3.8 feet, suggesting a flow of approximately 31 cfs. The rating table is very rough, and an actual flow measurement with a current meter while the ditch is full will be necessary to accurately establish total ditch capacity.

Page 3, Item 3. Since no enlargement of the ditch is proposed, we are not submitting financial resources documentation.

Page 3, Item 4. Attached are letters to the Army Corps of Engineers and Idaho Department of Environmental Quality describing our project.

Please contact me if you need additional information regarding this application.

Sincerely,

A handwritten signature in black ink, appearing to read "Terry M. Scanlan". The signature is fluid and cursive, with the first name "Terry" being more prominent.

Terry M. Scanlan, P.E., P.G.

Cc: Steve Stout - Applicant
E. Gail McGarry - BOR
Chas. Ariss - IDEQ
Greg Martinez - USACOE

BAXTER
DISCHARGE TABLE
MAY 1981

GAUGE	DISCHARGE CFS	CHANGE	GAUGE	DISCHARGE CFS	CHANGE
.10	1		2.80	22.5	1
.20	1.5	.05	2.90	23.5	1
.30	2.5	1	3.00	24.0	.05
.40	3.0	.05	3.10	25.0	1
.50	4.0	1	3.20	26.0	1
.60	5.0	1	3.30	26.5	.05
.70	5.5	.05	3.40	27.5	1
.80	6.5	1	3.50	28.5	1
.90	7.5	1			
1.00	8.0	.05			
1.10	9.0	1			
1.20	9.5	.05			
1.30	10.5	1			
1.40	11.5	1			
1.50	12.0	.05			
1.60	13.0	1			
1.70	13.5	.05			
1.80	14.5	1			
1.90	15.5	1			
2.00	16.0	.05			
2.10	17.0	1			
2.20	17.5	.05			
2.30	18.5	1			
2.40	19.5	1			
2.50	20.0	.05			
2.60	21.0	1			
2.70	21.5	.05			
		1			



SPF Water Engineering, LLC
water resource consultants

January 28, 2006

E. Gail McGarry
U.S. Bureau of Reclamation
1150 North Curtis Road, Suite 100
Boise, ID 83706-1234

Subject: Application for Permit from the Boise River for Steven and Chris Stout

Dear Gail:

At the request of Dan Nelson of the Idaho Department of Water Resources, I have enclosed a copy of an application for permit proposing diversion of 30 cfs from the Boise River for recreation and wildlife purposes. These purposes include waterfowl hunting and habitat enhancement. Applicants are Steven and Chris Stout.

The water will be diverted from the River through the existing Baxter Ditch. The Baxter Ditch diversion is located between River Mile 12 and 13, approximately 2 miles west of Notus. The application does not propose enlargement of the existing ditch or diversion structure. As a result, most of the use will occur during the non-irrigation season when there is excess capacity in the ditch.

Diverted water will be used to flood fields and maintain open water habitat in an existing slough on the Stout property. The water will return to the river from the outlet of the slough at River Mile 11. The use of water will be almost entirely non-consumptive, as very little evaporation loss or evapotranspiration is anticipated from non-irrigation season diversions.

The proposed diversion of water downstream of Notus should not reduce River flows below the minimum flows released from Lucky Peak by the Bureau of Reclamation. The River typically gains more than 500 cfs between Lucky Peak Dam and the heading of the Baxter Ditch. These flow gains result from both groundwater inflow and tributary inflow, and are documented by USGS WRI 38-74 (Thomas and Dion, 1974) and current gaging data. I have attached excerpts from WRI 38-74 describing the sources of river gains. Also attached are recent hydrographs for the Boise River at Glenwood Bridge in Boise, and Highway 95 near Parma. The hydrographs show more than 600 cfs in gain between Boise and Parma during low flow periods in January 2006.

Please contact me with any questions or comments concerning this proposed application.

Sincerely,

Terry M. Scanlan, P.E., P.G.

CHARACTERISTICS OF STREAMFLOW AND GROUND-WATER CONDITIONS IN THE BOISE RIVER VALLEY, IDAHO

By C. A. Thomas and N. P. Dion

U.S. GEOLOGICAL SURVEY

Water-Resources Investigations 38-74

Prepared in cooperation with
the Idaho Department of Water Resources
and the Corps of Engineers, U.S. Army,
Walla Walla District

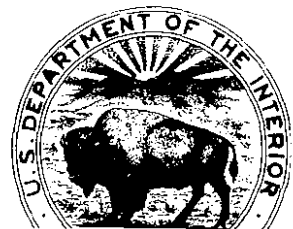


Table 2. Summary of surface-water flow (ground-water discharge) in the Boise River valley, November 18-19, 1971.

Section	River mileage	Measured dis- charge (ft ³ /s)	Increase in discharge (ft ³ /s)		
			From major drainage channels	From seeps or very short drains	Total
near Boise (13202000)	63.8	0.99			
			0	4.94	4.94
below Barber Dam (13203700)	58.8	5.93			
			1.0	0.96	1.96
near Olson City	56.3	7.89			
			0	5.8	5.8
at Broadway Ave. bridge	53.7	13.7			
			3.0	1.0	4.0
at Capital Blvd. (13205500)	52.8	17.7			
			0	5.7	5.7
at Fairview Ave. bridge	51.5	23.4			
			6.60	26.5	33.1
at E. 47th St. in Garden City	49.4	56.5			
			9.3	9.0	18.3
at Strawberry Glenn bridge	47.1	74.8			
			24.0	8.2	32.2
at Eagle Road	42.8	107			
			5.3	23.7	29.0
at Linder Road	39.1	136			
			14.9	20.1	35.0
at Star Road	33.9	171			
			126	0	126
at Middleton Road	26.7	297			
			129	16.0	145
at Highway 20-26 near Caldwell	21.1	442			
			289	41.0	330
at Notus (13212500)	13.8	772			
			102	37	139
Gaging station nr Parma (13213000)	3.8	911			
			99	0	99
at mouth (Snake River)	0	1,010			
Totals	-	-	809.1	199.9	1,009

DISTANCE, IN KILOMETERS, DOWNSTREAM FROM GAGING STATION 13202000

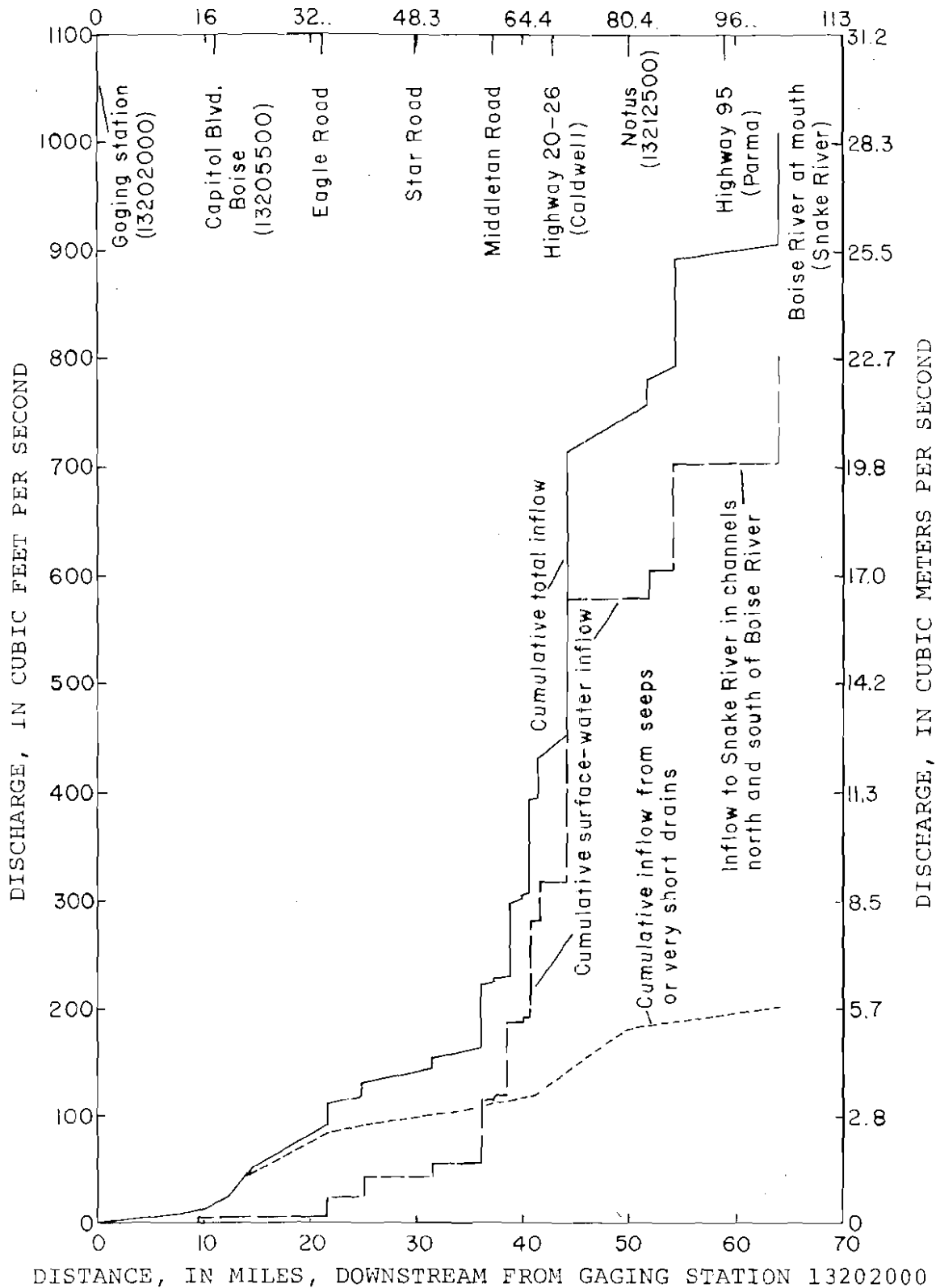
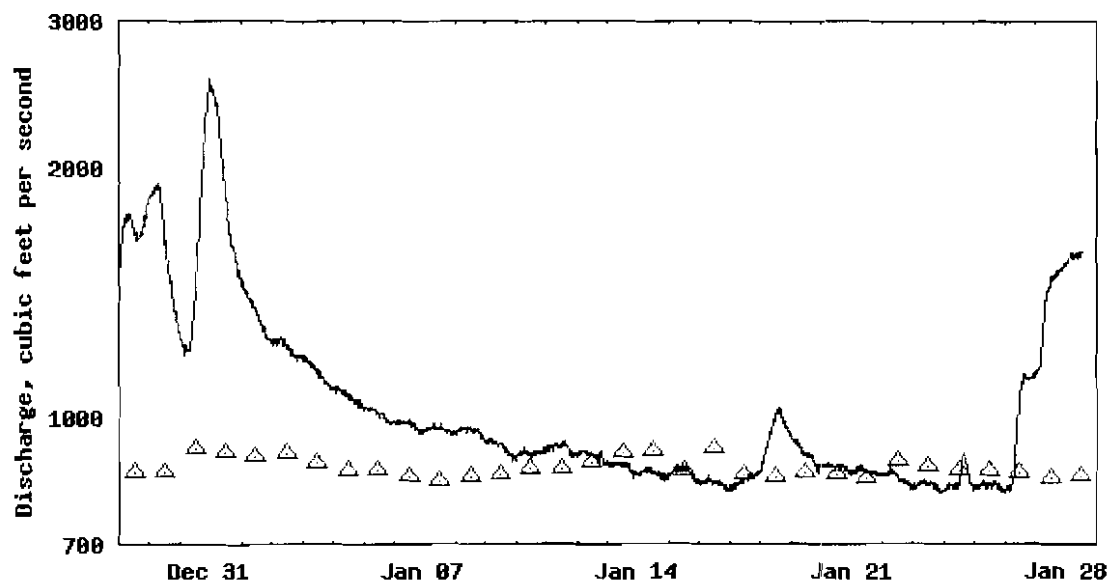


FIGURE 21.--Graph of cumulative inflow to the Boise River between Lucky Peak Dam and mouth November 18-19, 1971.



USGS 13213000 BOISE RIVER NR PARMA ID

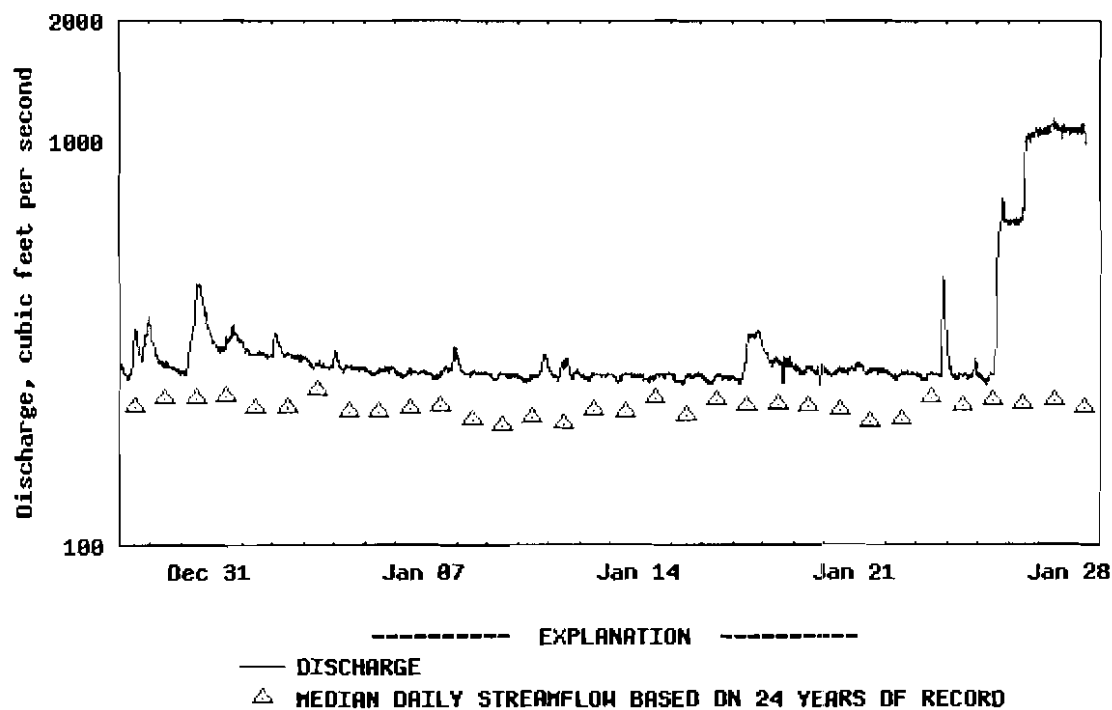


----- EXPLANATION -----
— DISCHARGE
△ MEDIAN DAILY STREAMFLOW BASED ON 29 YEARS OF RECORD

Provisional Data Subject to Revision



USGS 13206000 BOISE RIVER AT GLENWOOD BRIDGE NR BOISE ID



Provisional Data Subject to Revision



January 28, 2006

Greg Martinez
U.S. Army Corps of Engineers
Regulatory Office
304 North 8th, Room 140
Boise, Idaho 83702-5820

Subject: Application for Permit from the Boise River for Steven and Chris Stout

Dear Mr. Martinez:

At the request of Dan Nelson of the Idaho Department of Water Resources, I have enclosed a copy of an application for permit proposing diversion of 30 cfs from the Boise River for recreation and wildlife purposes. These purposes include waterfowl hunting and habitat enhancement. Applicants are Steven and Chris Stout.

The water will be diverted from the River through the existing Baxter Ditch. The Baxter Ditch diversion is located between River Mile 12 and 13, approximately 2 miles west of Notus. The application does not propose enlargement of the existing ditch or diversion structure. As a result, most of the use will occur during the non-irrigation season when there is excess capacity in the ditch. Because the project will utilize existing facilities, no dredging or filling is proposed.

Diverted water will be used to flood fields and maintain open water habitat in an existing slough on the Stout property. The water will return to the river from the outlet of the slough at River Mile 11. The use of water will be almost entirely non-consumptive, as very little evaporation loss or evapotranspiration is anticipated from non-irrigation season diversions. The outlet from the slough is an existing discharge point for surface water runoff and groundwater discharge. The application should have no net impact on River flows.

Please contact me with any questions or comments concerning this proposed application.

Sincerely,

Terry M. Scanlan, P.E., P.G.



January 28, 2006

Charles Ariss, P.E.
Regional Engineering Manager
Idaho Department of Environmental Quality
1445 North Orchard Street
Boise, ID 83706

Subject: Application for Permit from the Boise River for Steven and Chris Stout

Dear Chas:

At the request of Dan Nelson of the Idaho Department of Water Resources, I have enclosed a copy of an application for permit proposing diversion of 30 cfs from the Boise River for recreation and wildlife purposes. These purposes include waterfowl hunting and habitat enhancement. Applicants are Steven and Chris Stout.

The water will be diverted from the River through the existing Baxter Ditch. The Baxter Ditch diversion is located between River Mile 12 and 13, approximately 2 miles west of Notus. The application does not propose enlargement of the existing ditch or diversion structure. As a result, most of the use will occur during the non-irrigation season when there is excess capacity in the ditch.

Diverted water will be used to flood fields and maintain open water habitat in an existing slough on the Stout property. The water will return to the river from the outlet of the slough at River Mile 11. The use of water will be almost entirely non-consumptive, as very little evaporation loss or evapotranspiration is anticipated from non-irrigation season diversions.

No adverse impact to River water quality is anticipated from this application. Intentional flooding of pastures or agricultural fields will be done in a manner that will not cause erosion, or increase the sediment load to the river. Flow of water through the slough should provide settling, which may improve the quality of water diverted from the river. The outlet from the slough is an existing discharge point for surface water runoff and groundwater discharge.

Please contact me with any questions or comments concerning this proposed application.

Sincerely,

Terry M. Scanlan, P.E., P.G.