

## Skinner, Corey

---

**From:** Erick Powell [erick.powell@brockwayeng.com]  
**Sent:** Thursday, April 05, 2012 10:45 AM  
**To:** Skinner, Corey  
**Cc:** 'Robert E. Williams'  
**Subject:** Additional Information for Permit No. 47-17575  
**Attachments:** Additional information for permit no 47-17575 2012\_04\_05.pdf

Dear Corey,

Attached to this email is the additional information for Permit No. 47-17575 as requested by IDWR.

Regards,  
Erick

---

**G. Erick Powell, Ph.D., P.E.**  
Brockway Engineering, PLLC  
2016 Washington Street North, #4  
Twin Falls, Idaho 83301  
Office: 208-736-8543  
[erick.powell@brockwayeng.com](mailto:erick.powell@brockwayeng.com)

*All information, calculations, maps, drawings, or other documents transmitted via email are preliminary unless explicitly stated in the email text or in the documents themselves.*

## Additional Information for Permit No. 47-17575

L&S Land Holdings, LLC

G. Erick Powell, Ph.D., P.E.  
Brockway Engineering, PLLC

April 5, 2012

---

The following information is provided to IDWR in support of permit no. 47-17575, as requested by IDWR in the letter to L&S Land Holdings, LLC dated 3/30/2012. The additional information is described in the Idaho Code, Section 42-203A(5) and IDWR Rule 40.05.

Rule 040.05.c and Idaho Code, Section 42-203A(5)(a) Information relative to effects on existing rights:

- i. If diverting from a surface water source with 5 or fewer existing users, submit the water right numbers held by those users if available.

*More than 5 users have water rights from Rock Creek.*

- ii. If you are diverting from a groundwater source, submit a map locating your proposed well and all other wells within a ½ mile radius of your well.

*The source is not Groundwater.*

- iii. This rule seeks general information about the type of irrigation system you intend to install and how the project may affect other users. If you feel your proposed project will not affect other users, then explain why. You may describe any techniques or equipment you intend to employ which may reduce impacts on other water rights or promote water conservation.

*As described in the permit application and the accompany narrative, the permit seeks to store Rock Creek water during high spring flow events. Stored water will be used during times of low flow. Permit will be fully mitigated by submitting Rock Creek and stacked Groundwater as mitigation.*

Rule 040.05.d and Idaho Code, Section 42-203A(5)(b) Information relative to sufficiency of water supply:

- i. Provide projections for your peak and average water demands. While your well or diversion may not yet be completed, you should be able to estimate project demand based on size of project, type or texture of local soils, type of crops grown, and type of irrigation system used. Demand projections should be given in terms of flow rate (cfs or gpm) and annual volume diverted (acft).

*The capacity of the conveyance ditch is 9.6 cfs and the maximum volume of the ponds is 198 acft.*

- ii. You should be able to provide some basic information about the nature of the water supply. If the diversion is from a surface water source for example, you should provide stream flow data or estimate the amount of stream flow

available for diversion and describe generally the seasonal availability of water.

*Rock Creek flow fluctuates throughout the year, but typically experiences increased runoff during the Spring when snow melt contributes to the stream flow. USGS has historical data at the following stations: 13092000 (Rock Creek Nr Rock Creek, ID), 13092747 (Rock Creek AB HWY 30/93 Xing at Twin Falls, ID) and 13093000 (Rock Creek Below Poleline Road Near Twin Falls, ID). Hydrographs and flow statistics can be generated from the historical flow data, as demonstrated by the hydrographs in Figures 1 and 2. In addition, decreed water rights offered for mitigation have a diversion rate of 4.85 cfs. Prior to the irrigation season, the only water right demand would be Idaho Power.*

Rule 040.05.e and Idaho Code, Section 42-203A(5)(c) Information relative to good faith, delay, or speculative purposes of the applicant:

- i. If you do not own the land to be irrigated and where the point of diversion is located, you must submit copies of lease agreements, easements of rights-of-way, etc. If you are the owner of the place of use and point of diversion, documentation of ownership is not required.

*Point of diversion is located at the historical POD for decreed water rights offered for mitigation. Twin Falls County and Watermaster do not have recorded easement. The POD listed is the diversion of East Ditch from Rock Creek. The East Ditch POD from Rock Creek is listed on 45 decreed water rights as the authorized POD. No additional easements are necessary for this permit.*

- ii. If applicable, submit copies of applications for permits or approvals which are needed from other government agencies or individuals in order to complete the water development project.

*IDWR has reviewed and authorized the storage structures. To our knowledge, no other permits or approvals are required.*

Rule 040.05.f and Idaho Code, Section 42-203A(5)(d) Information relative to financial resources:

- i. Submit a current financial statement or other statement describing how you will finance the project. You must also submit plans and specifications along with basic estimates of construction and equipment costs of the proposed project.

*The diversion works, conveyance ditch, and storage facilities are already constructed. No financial statements and/or cost estimates will be provided since the facilities are operational.*

Rule 040.05.g and Idaho Code, Section 42-203A(5)(e) Information relative to conflict with the local public interest:

- i. You, as the applicant, bear the initial burden of coming forward with evidence as to whether your proposed project may have any affect concerning local public interest. If you have any reason to believe that the proposed project under your application may be of concern to any local individuals, governments, tribal reservations, irrigation districts, the State Fish and Game Department, or Health and Welfare Department, then you are responsible for seeking comments from those individuals or groups.

*To our knowledge, the proposed permit does not pose negative impacts to any local individuals, governments, tribal reservations, irrigation districts, the State Fish and Game Departments, or Health and Welfare Departments. Twin Falls Canal Company has been provided a copy of the permit application and comments have been requested, but have not been received yet.*

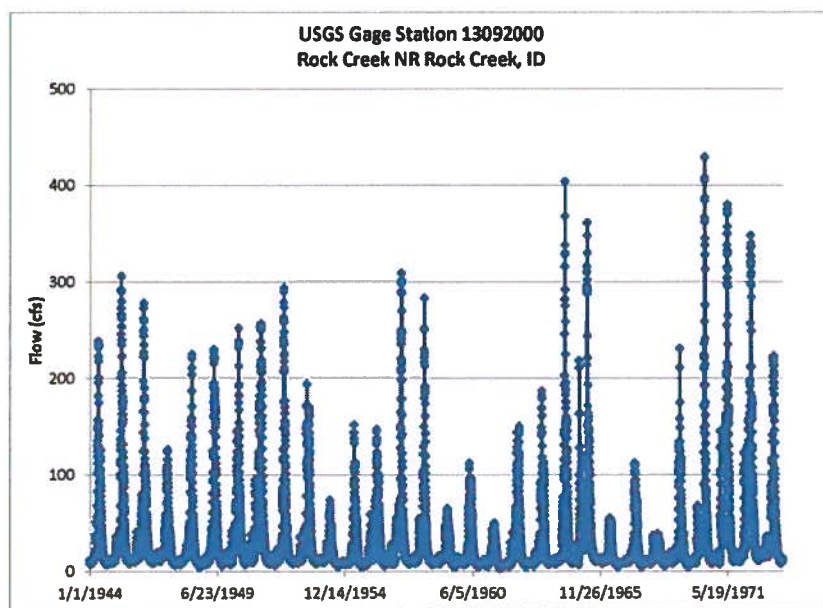


Figure 1: USGS Gage 13092000 hydrograph

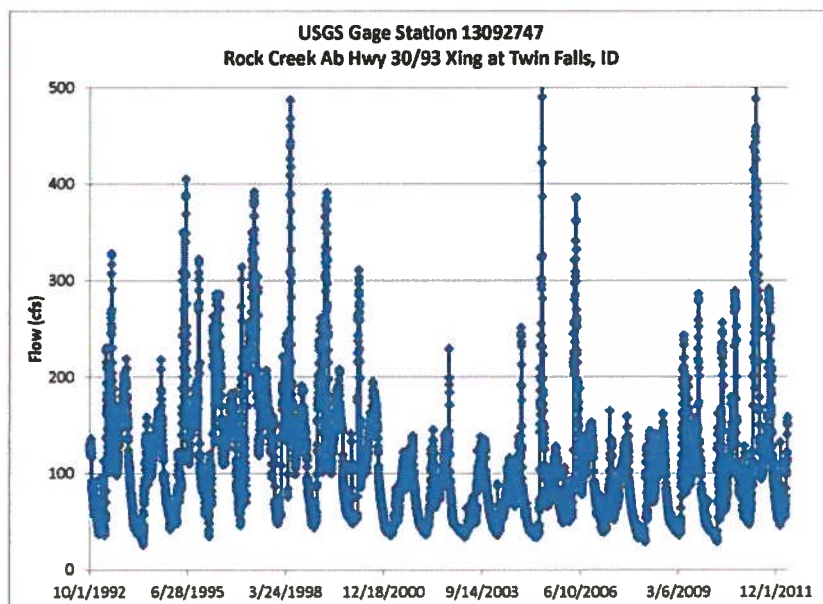


Figure 2: USGS Gage 13092747 hydrograph