

MEMORANDUM

Date: July 16, 2014
To: Transfer 79387
From: Blake Jordan
Re: Review & Evaluation of Sufficiency of Information

This transfer proposes to add points of diversion and change the place of use for water rights 25-2108C, 25-2115A, 25-2162A, 25-2163C, 25-4022(part), 25-7067, 25-7102A, 25-7506, 25-14124, 25-14168, 25-14290, 25-14294 and 25-2162B. The applicant is filing this transfer in response to a pending notice of violation dated July 11, 2013. The applicant seeks to rearrange the place of use for these water rights to cover land being irrigated without a water right. The applicant also seeks to list ten existing wells as authorized points of diversion on the water rights. This transfer will create a 1,876.1 acre combined place of use.

Authority to File:

The applicant is the current owner of water rights per warranty deeds. The applicant is the current owner of property at the proposed point of diversion and place of use per warranty deeds and Bonneville County taxlot data. The ownership of these water rights will be updated into the name of Chaco LLC.

Water Right Validity:

Decreed and licensed water rights. Aerial photography shows 1,876.1 acres being continuously irrigated. Forfeiture is not an issue.

Injury to Other Water Rights:

Points of diversion are within the ESPA model boundary. These water rights are not regulated by a water district. A weighted mean centroid of the ten points of diversion was used to determine potential impacts to the Snake River reaches. The spatial location of the weighted centroid is in an adjacent cell to all points of diversion except for the point of diversion located in the SWNE of Section 19, 03N, 41E. Currently only water right 25-7506 utilizes this point of diversion.

Water right 25-7506 was licensed on 02/29/2000. Because of the difficulty developing an adequate supply from the proposed well, this water right was licensed for only 0.67 cfs, 268 acre-feet and 67.0 acres (the original permit was for 5.36 cfs and 268 acres) . The weighted centroid and the point of diversion located in the SWNE of Section 19 was used for the ESPA analysis. Because of the pumping limitation of the well in the Section 19, 268.0 acre-feet was used as the volume input for the transfer tool. According to the analysis, all additional impacts to the Snake River reaches are less than two acre-feet per trimester or less than 10 percent of historic depletions. No additional mitigation is required. This transfer was advertised state wide and there are no protests.

Enlargement of Use:

No issues identified.

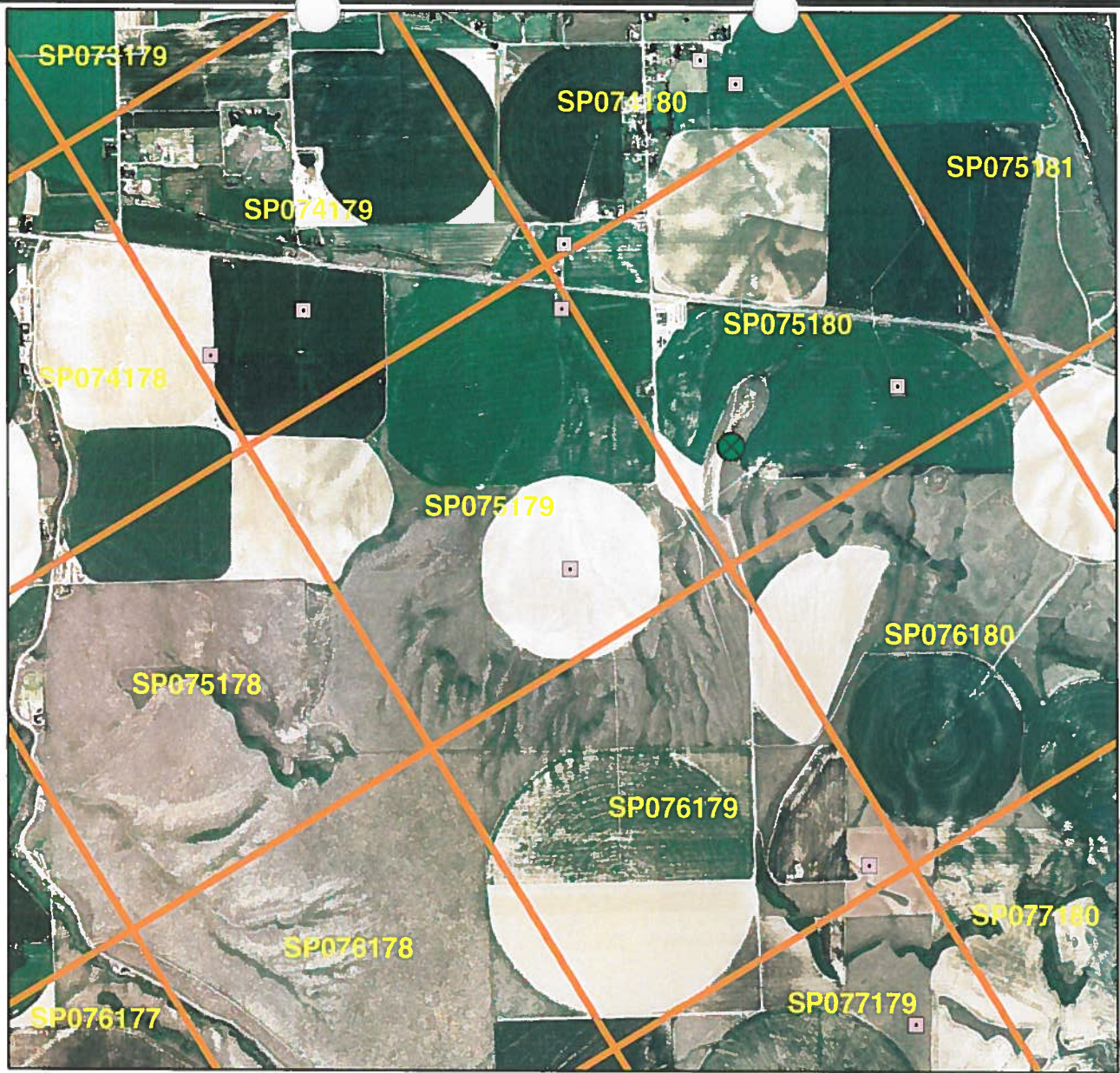
Local Public interest:

No issues identified.

Beneficial Use/Conservation of Water Resources:

No issues identified.

Review of the application finds there is no clear inconsistency with criteria set forth in Section 42-222 Idaho Code preventing processing of this application.



0 1,450 2,900 5,800 Feet

1 inch = 2,506 feet

- Water Right POD
- POD Weighted Mean Center

modelgrid



One-Way Analysis of Independent Transfers
From SP077179 to SP075180

W/R No.	Div. Rate (CFS)	Con. Vol. (AF/A)	No. of Irr Acres	Priority Date	POD Location	Dedicated Vol. AF/A AFT	Model Node
Transfer 1: Proposed Steady State Impacts following Transfer							
Transfer 1: Worst Case Transient State Impacts following Transfer							

Impact by Reach (AF/Trimester)											
Ashton to Rehburg		Heise to Shelley		Shelley to Nr Bickl		Nr Bickl To Neeley		Neeley to Mindoka		Dav Wld To Buhl	
16.13	67.61	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37
15.53	69.26	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99
16.13	67.61	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37
16.01	73.89	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27	2.27

Steady State Analysis

Mitigation Check 1 - >10% of Historical:	-3.7%	2.1%	-16.0%	-15.5%	-14.3%	-14.3%	-33.3%	-50.0%	0.0%	-50.0%	0.0%
Mitigation Check 2 > 2 AFT:	-0.6	1.5	-0.4	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitigation Check 3 - >10% of Total:	17.4%	77.6%	2.2%	2.6%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft):	-0.6	1.5	-0.4	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transient State Analysis

Mitigation Check 1 - >10% of Historical:	-0.7%	9.0%	-4.2%	-6.1%	-14.3%	-14.3%	-33.3%	-50.0%	0.0%	-50.0%	0.0%
Mitigation Check 2: > 2.01 AFT:	-0.1	6.1	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft):	-0.1	6.1	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Read Me

From SP075180 to SP077179

W/R No.	Div. Rate (CFS)	Con. Vol. (AF/A)	No. of Irr Acres	Priority Date	POD Location	Dedicated Vol. AF/A AFT	Model Node
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15.5	69.3	2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
16.1	67.8	2.4	2.4	2.8	0.1	0.1	0.1	0.1	0.0	0.0	0.0
15.5	69.3	2.0	2.4	2.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0
16.1	67.8	2.4	2.4	2.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0

Steady State Analysis

Mitigation Check 1 - >10% of Historical:	3.9%	-2.1%	19.1%	18.3%	16.7%	16.7%	50.0%	100.0%	0.0%	100.0%	0.0%
Mitigation Check 2: > 2 AFT:	0.6	-1.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitigation Check 3 - >10% of Total:	18.1%	75.9%	2.7%	3.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft):	0.6	-1.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transient State Analysis

Mitigation Check 1 - >10% of Historical:	3.9%	-2.1%	19.1%	18.3%	16.7%	16.7%	50.0%	100.0%	0.0%	100.0%	0.0%
Mitigation Check 2: > 2.01 AFT:	0.6	-1.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mitigation Required?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Mitigation Vol. Req'd (ac-ft):	0.6	-1.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0