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WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

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| APPLICATION NO./COURT CLAIM NO.: Court Claim No. 1676 | | |
| APPLICANT NAME Dave Blanchard Northland Resources 206 West First St. Cle Elum, WA 98922 | CONTACT NAME Dave Blanchard Tom McDonald Lisa Pelly Tim Flynn | TELEPHONE NO. 425-417-5311 360-786-5039 509-888-0970 206-780-7730 |
| WATER RIGHT HOLDER'S NAME (if different) n/a Real Estate Investment Group | | EMAIL: dblanchard@SapphireSkies.net |

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| DATE OF APPLICATION: 7-15-09 | PRIORITY DATE: June 30, 1900 |
| WATER SOURCE: Yakima River | CROP: Alfalfa |
| INSTANTANEOUS QUANTITY: 0.7 cfs | ANNUAL QUANTITY: 195.50 |
| PERIOD OF USE: May 1-September 15 (195 AF) Year round stockwater (0.495 AF) | |
| PLACE OF USE: The west 1470.00 feet of the SW ¼ of section 29, T. 20 N, R. 16 E.W.M., EXCEPT that portion thereof bounded by a line described as follows: Beginning at the southwest corner of said section 29, the true point of beginning; thence N 1°03'17" E, 1220.00 feet along the west line of said Section; thence S 88°20'47" E, 1440.00 feet; thence S 1°03'17" W, 1212.00 feet to the south line of said Section; thence 89°20'39" W, 1440.04 feet along said south line to the true point of beginning. Also, EXCEPT the following described tract: That portion of the west 1470.00 feet of the SW ¼ of Section 29, T. 20 N., R. 16 E.W.M., lying northerly of an existing ditch bounded by a line described as follows: Beginning at the northwest corner of said southwest quarter, the true point of beginning; thence S 1°03'17" W, 481.94 feet along the west line thereof to the centerline of said ditch; thence S 87°39'20" E 96.00 feet along said ditch centerline; thence S 76°49'30" E 329.00 feet along said ditch centerline; thence N 77°51'30" E, 378.00 feet along said ditch centerline; thence 77°09'00" E, 705.00 feet along said ditch centerline to the east line of said west 1470.01 feet of the southwest quarter; thence N 1°03'17" E, 303.69 feet along said line to the north line of said southwest quarter; thence N 89°11'17" W, 1470.01 feet along said north line to the true point of beginning. | PURPOSE OF USE: Irrigation of 33.2 acres to mitigation water bank |
| IRRIGATION METHOD: Wheel Line | |

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| <p>CONSUMPTIVE USE CALCULATION:</p> <p>Consumptive use calculations using the ASCE Penman Monteith method based on site specific irrigation requirements:</p> <p>CIR plus evaporation-based:</p> <ul style="list-style-type: none"> ▪ CIR for Alfalfa = 24.2 in/acre annually or 2.016 AF/acre ▪ 2.016 AF per acre x 32 acres = 64.4 AF/year CIR ▪ 10% evaporative loss (reel sprinkler in high winds) of 92 af/yr = 9.2 af/yr evap. loss. <p>64.4 AF/year CIR + 9.2 AF/yr evaporative loss associated with flood irrigation = 73.6 total AF/year CU</p> <p>NARRATIVE DESCRIPTION OF PROJECT:</p> <p>Northland Resources (Northland) has been working with the Department of Ecology to utilize a mitigation water bank for new surface water and groundwater appropriations for its proposed developments in Kittitas County. (see attachment A) Northland will place into the State's Trust Water Rights Program existing irrigation rights to</p> |
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create the mitigation water bank. The Real Estate Investment Group (Newton) water right is under contract with Northland Resources and is one of the existing water rights to be placed into the Trust program for the purpose of the water bank. The water bank is consistent with WAC 173-539A. Northland Resources has requested this water right be placed into trust for instream flow until needed for mitigation.

Court Claim 1676 is a 1900 water right authorizing diversion from Younger Ditch off of the Yakima River for irrigation between May 1 and September 15. The water right was confirmed in the Conditional Final Order issued in Subbasin No. 5 (Elk Heights), dated February 8, 2001, changed in June 27, 2005 for 195 afy for irrigation and 0.495 acre feet for stock water. This water right was first perfected with a point of diversion from the Teanaway River and moved to the Younger Ditch in approximately 1950.

Crop irrigation requirements for alfalfa in the Cle Elum area were calculated by Aspect Consulting using the ASCE Penman Monteith method with a total irrigation use estimated of 120 afy. By dividing the crop consumptive use of 64.4 by the total use of 120 afy estimated based on power records Aspect estimated an irrigation application efficiency of about 54 percent. However, during its review of the beneficial use, Ecology indicated an application efficiency of 70 percent was more reasonable. Using this application efficiency and the crop consumptive use, Ecology has proposed a total beneficial use number closer to 92 afy. Calculated crop irrigation requirements over the period of May 1st through September 15th are about 24.2 inches. Applying this crop irrigation requirement over the estimated 32 irrigated acres results in a crop consumptive use of about 64.4 afy.

Based on Ecology Guidance 1210, approximately 10 percent of the total applied water using a wheel line irrigation system is consumed by evaporative losses prior to reaching the root zone. For this case, about 9.2 afy is lost to evaporation.

Northland Resources is still working with Ecology on the final numbers for consumptive use.

The Adjudication Court confirmed the water right with a condition to be regulated to protect senior flows on the Teanaway River when water is not available at the Teanaway point of diversion for the class 16 right. The water right holder has to-date not been regulated by Ecology or requested by Senior Water Right holders to shut down its diversion based on stream flow levels on the Teanaway River. The water right holder has historically fully exercised the water right from Younger Ditch on the 32 acres every year.

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WTWG CHECKLIST

| 1. Validity | <i>Response</i> |
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| Is there continued beneficial use history sufficient to ensure that the right has not been relinquished or abandoned? | <i>Yes</i> |
| Is it free of any “cloud” or claim on the title of the water right? | <i>Yes</i> |
| 2. Water Budget Neutrality | |
| Is the transfer water budget neutral? | <i>Yes</i> |
| Is the transfer TWSA (Total Water Supply Available) neutral? | <i>Yes</i> |
| Does the transfer of the right result in equal or less consumptive use? | <i>Yes</i> |
| Can the transfer be made without detriment or injury to existing rights? (RCW 90.03.380(1)) | <i>Yes</i> |
| 3. Timing and Availability | |
| Temporary Transfers: If a seasonal transfer, can the transfer be implemented in the time remaining in the season? | <i>n/a</i> |
| Permanent Transfers: Is there a map of the fallowed land or discontinued use and can it be confirmed? | <i>Yes</i> |
| 4. Impairment of instream flow | |
| Does the transfer cause no adverse change to instream flows? | <i>Yes</i> |
| Is all the water accounted for at Parker and Prosser (if applicable)? | <i>Yes</i> |
| 5. Operational Considerations | |
| If the transfer relies on space in existing Reclamation storage, is storage capacity available? | <i>Yes</i> |
| Can the transfer be “bucketed”, with different rate and timing, without adverse impacts on other users and fish and other aquatic life? | <i>Yes</i> |
| Does the transfer have no impermissible impact on Yakima Project operations? | <i>Yes</i> |
| 6. For Transfers Between Surface Water and Ground Water | |
| Can the hydrologic impacts of the transfer be accurately evaluated? | <i>Yes</i> |
| 7. Other considerations | |
| Is the transfer in agreement with public policy? | <i>Yes</i> |
| Is the transfer free of unacceptable secondary effects – economic, environmental, or cultural? | <i>Yes</i> |
| Does the transfer not rely on return flow? | <i>Yes</i> |

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Figure 5
2006 Aerial Photograph
Newton Water Right, Cle Elum Washington

Aspect Consulting
May 5, 2009
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