

Draft/Worksheet

Submission/Final Date Rcvd: \_\_\_/\_\_\_/\_\_\_



# CONSOLIDATED APPLICATION FORM IRRIGATION EFFICIENCIES GRANTS PROGRAM/TRUST WATER RIGHTS PROGRAM



**Project Name:** Marty Hall, M&I Livestock



(Check all that apply.)

Temporary IF TEMPORARY, START DATE \_\_\_\_\_ END DATE \_\_\_\_\_

Contract No. \_\_\_\_\_

Permanent

Portion of the identified existing water right

**\*\*IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS\*\***

## 1. Recipient Information:

Yes  No Does the Cost Share Recipient own all water rights pertinent to this project proposal?

APPLICANT/BUSINESS NAME Marty Hall, M&I Livestock	PHONE NO. (509) 843-6037	FAX NO. ( )
ADDRESS 1944 Tucannon Road		
CITY Pomeroy	STATE WA.	ZIP CODE 99347

## 2. How is Water to be Made Available for Trust from Tucannon River

<input type="checkbox"/> Alteration in method of diversion	<input checked="" type="checkbox"/> Alteration in water use/ irrigated acreage
<input type="checkbox"/> Alteration in method of delivery/conveyance	<input checked="" type="checkbox"/> Alteration in method of water application
<input type="checkbox"/> Other, Explain:	

C33-145472CL

02-27-2012  
35 COLUMBIA



**Project Summary (Please be specific about every detail):**

Marty Hall, M&I Livestock a portion (18.4 acres) of irrigated agriculture production properties along the Tucannon River, Surface Water Claim #145472 were assessed for the Office of Columbia River to identify program eligibility and potential water savings for placement into the "Water Trust Program". This assessment was completed by Jack Myrick, WSCC Irrigation Efficiencies Technical Coordinator, site visit with Jon Culp, WSCC Water Resources, Marty Hall, landowner and support from Columbia Conservation District staff.

Onsite field assessments and consultation with Mr. Hall identified efficiency savings potential on these 18.4 acres. Mr. Myrick's findings conclude that these 18.4 acres have historically been irrigated at a QI use of .96 CFS and a QA rate of 73.71 acre feet. These acres are currently being irrigated by hand and wheel lines. The new irrigation system will be 16.57 acres under center pivot.

The new irrigation usage will be 48.09 acre feet and will require approximately 110 GPM or .245 CFS. Total QA savings will be 25.62 acre feet with 4.514 acre feet being Consumptive. Total QI savings will be approximately 320.25 GPM or .713 CFS.

The Snake River Salmon Recovery Plan for SE Washington (Plan) and NOAA have identified the Tucannon River from the confluence of Pataha Creek to Tucannon headwaters as a Major Spawning Aggregation area (MSA) for recovery of spring Chinook and Steelhead. The section of the Tucannon River impacted by this proposal supports Spring and fall Chinook, Steelhead and Bull Trout for various life cycles. Limiting factors (sediment, flow and temperature) were identified from Ecosystem Diagnosis Treatment (EDT) modeling analysis to identify priority habitat factors and priority actions to maximize recovery efforts. This modeling analysis was conducted in 2004 and relied primarily on data from the 1990's and expert opinion and is currently being re-evaluated by the Snake River Salmon Recovery Region's Regional Technical Team. Preliminary findings are that channel confinement, floodplain connectivity, habitat diversity and riparian function are likely to be the adjusted primary limiting factors for fish recovery in the Tucannon and that sedimentation, flow and water temperature are likely to continue to be contributing but secondary limiting factors. Improvements to conditions of sediment, flow and temperature have been achieved thru prior activities, irrigation efficiencies, riparian buffers thus changing the primary limiting factors. Any permanent/sustainable improvements in temperature, flow and sediment will increase the effectiveness of restoring floodplain connectivity, habitat diversity and riparian function. Any gains made through water right acquisition support the recovery effort in addressing low flow conditions throughout time while contributing to the various ecological benefits. This project supplements previous irrigation efficiency projects completed in the within the Tucannon River basin and is in direct relation with completed project upstream and downstream.

### 3. Project Cost Share Information

LEASE LENGTH PROPOSAL (IN YEARS)	Perpetuity YEARS
PROPOSED WATER SAVINGS AMOUNT (CFS)	_.713_ CFS
PERCENTAGE OF TOTAL WATER SAVINGS TO TRUST	100 PERCENT
ESTIMATED COST OF PROJECT PROPOSAL	\$ 60,200
COST SHARE AMOUNT REQUESTED	\$ 51,240
NUMBERS OF ACRES SERVED BY THIS PROPOSAL	16.57 ACRES
COST PER ACRE	\$ 3,092
COST PER CFS	\$ 71,865
MATCH DOLLAR SOURCE? <u>landowner, labor, materials, equipment, cash</u> AMOUNT:	\$ 8,960
COST PER ACRE-FOOT	\$ 2,000

## WATER RIGHT DESCRIPTION

### 4. Water Right Holder Information

**If Water Right Holder is the Cost Share Recipient, please skip to number 4.**

NAME (IF DIFFERENT FROM ABOVE)	PHONE NO. ( )	FAX NO. ( )
IS THE WATER RIGHT HOLDER AN IRRIGATION DISTRICT?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
IS THE PLACE OF USE WITHIN AN IRRIGATION DISTRICT?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
ADDRESS		
CITY	STATE	ZIP CODE

### 5. Water Right Information:

**Please attach copies of any documentation that demonstrates consistent, historical use of water since the right was established.**

WATER RIGHT OR CLAIM NUMBER Surface Water Claim #145472	RECORDED NAME(S) Wallace Robertson
DO YOU OWN THE RIGHT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO      IF NO, PROVIDE OWNER(S) NAME and ADDRESS:	
HAS THE WATER BEEN PUT TO BENEFICIAL USE IN THE LAST FIVE (5) YEARS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ARE WATER DIVERSIONS / WITHDRAWALS OF THIS WATER RIGHT METERED OR MEASURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ARE PUMP-POWER RECORDS AVAILABLE FOR THE LAST FIVE YEARS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ARE AERIAL PHOTOS OF THE PROJECT SITE AVAILABLE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ARE FSA CROP RECORDS AVAILABLE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ARE THERE ANY OTHER RIGHTS, CLAIMS, OR RELEVANT CHANGES ASSOCIATED WITH THE PROJECT AREA? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
<b>IMPORTANT! PROVIDE INFORMATION OF THE EXTENT OF WATER USE FOR EACH OF THE LAST FIVE YEARS:</b> WATER USE DOCUMENTED BY JACK MYRICK, WSCC. DOE LETTER, BILL NEVE AUGUST 2003 CONFIRMS WATER RIGHT/CLAIM IS APPURTENANT TO THESE LANDS (ATTACHED) AND IDENTIFIES A PRIORITY DATE OF "PRIOR TO 1880". WATER RIGHT SOLUTIONS, BILL NEVE CLAIM NO. 145472 REVIEW (JANUARY 2011)	

### 6. Project Water Information

NUMBER OF ESA OR SASSI LISTED SPECIES IN AFFECTED TRIBUTARY? Snake River spring & fall Chinook, Steelhead, Bull Trout
MONTHS CRITICAL TO LISTED SPECIES? (PLEASE HIGHLIGHT OR CIRCLE) January February March <b>April</b> May June July August <b>September</b> <b>October</b> November December
MONTHS WHEN PROJECT WATER SAVINGS WILL INCREASE INSTREAM FLOW IN PROJECT TRIBUTARY? (Circle any) January February March <b>April</b> May June July August <b>September</b> <b>October</b> November December
HISTORIC / BENEFICIAL USE QUANTITY OF THE WATER RIGHT? (Highest of the last 5 irrigation seasons; in instantaneous rate and annual quantity) CFS <u>.96</u> AF <u>73.71</u>
TOTAL QUANTITY OF PROJECT WATER SAVINGS? CFS <u>.713</u> AF <u>25.62</u>
WILL THE INSTANTANEOUS RATE SAVINGS VARY FROM MONTH TO MONTH THROUGH THE IRRIGATION SEASON? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (Please list quantities by month) January February March April May June July August September October November December

QUANTITY OF PROJECT WATER SAVINGS TO TRUST?  
 CFS .713 AF 25.62

WILL THE INSTANTANEOUS RATE SAVINGS APPLIED TO THE TRUST VARY FROM MONTH TO MONTH THROUGH THE IRRIGATION SEASON?  
 YES  NO  
 (Please list quantities by month)

January February March April May June July August September October November December

Please explain:

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IS THE WATER RIGHT PART OF AN ADJUDICATED BASIN?  YES  NO  
 EXPLAIN HOW THE SENIORITY OF THE RIGHT(S) RELATES TO OTHER RIGHTS *WITHIN* THE PRIMARY REACH:

Landowner secured the services of Water Right Solutions, Bill Neve to review the seniority of rights on Claim No. 145472, letter attached.

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EXPLAIN HOW THE SENIORITY OF THE RIGHT(S) RELATES TO OTHER RIGHTS *ABOVE AND BELOW* THE PRIMARY REACH:

Same as above

**7. Point(s) of Diversion/Withdrawal:**

**A. Existing POD**

SOURCE	NO.	¼	¼	SEC.	TWP.	RGE.	PARCEL #	WELL TAG #
<u>Tucannon River</u>		<u>SE</u>		<u>2</u>	<u>11N</u>	<u>39E</u>	<u>2-011-39-002-2450</u>	

*Please include copies of all water well reports involved with this proposal. Also, if you know the distances from the nearest section corner to the above point(s) of diversion/withdrawal, please include that information in Item No. 6 (remarks) or as an attachment.*

**B. Proposed POD**

SOURCE	NO.	¼	¼	SEC.	TWP.	RGE.	PARCEL #	WELL TAG #
<u>Tucannon River</u>		<u>SE</u>		<u>2</u>	<u>11N</u>	<u>39E</u>	<u>2-011-39-002-2450</u>	

**8. Purpose of Use:**

**A. Existing Use of the Water Right**

PURPOSE OF USE	GPM or CFS	ACRE-FT/YR	PERIOD OF USE
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<b>Irrigation of 18.4 acres</b>	<b>.96 cfs</b>	<b>73.71</b>	<b>April 1-Oct. 15</b>

**B. Proposed Use of the Water Right**

PURPOSE OF USE	GPM or CFS	ACRE-FT/YR	PERIOD OF USE
<b>Irrigation of 16.57 acres</b>	<b>0.245 cfs</b>	<b>48.09 acre-ft</b>	<b>April 1 - Oct. 15</b>

**9. Place of Use:**

**A. Existing:**

LEGAL DESCRIPTION OF LANDS WHERE WATER IS PRESENTLY USED:							
<b>Please see attached Water Right Claim #145472 and field map</b>							
¼	¼	SEC.	TWP.	RGE.	COUNTY	PARCEL #	# OF ACRES
	<b><u>SE</u></b>	<b><u>2</u></b>	<b><u>11N</u></b>	<b><u>39E</u></b>	<b><u>Columbia</u></b>		<b><u>18.4</u></b>
DO YOU OWN ALL THE LANDS IN THE EXISTING PLACE OF USE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO – IF NO, PROVIDE OWNER(S) NAME:							

**B. Proposed:**

IDENTIFY THE WATER BODY TO BE BENEFITED OR OTHER PLACE TO BE BENEFITED	
<b><i>Saved non consumptive water placed into "Trust" for instream flow benefit in the Tucannon River. Consumptive water will be re-allocated.</i></b>	

**10. Remarks and Other Relevant Information:**


