



Application for a Water Right Permit

#50.
ck # 131596
11/19/14
BRG



Follow the attached instructions. Attach additional sheets as necessary.

- GROUND WATER SURFACE WATER
- PERMANENT SHORT TERM TEMPORARY
- DROUGHT

***A NON-REFUNDABLE MINIMUM FEE OF \$50.00 MUST ACCOMPANY THIS APPLICATION.**

Section 1. APPLICANT NAME: TALL TIMBER GROUND WATER

I have participated in a pre-application conference with Ecology.

Applicant/Business Name: Yakama Nation/Tall Timber Ranch	Phone No: 509-865-6262 & 509-763-3127	Other No:
Address: 401 Fort Rd & (see Legal Owner below)		
City: Toppenish & (see Legal Owner below)	State: WA	Zip: 98948
Email Address (if available):		

Contact Name (if different from above): Cory Kamphaus	Phone No: 509-548-9413 x 102	Other No:
Relationship to Applicant: Project Biologist for Coho Reintroduction Program		
Address: 7051 Hwy. 97		
City: Peshastin	State: WA	Zip: 98847
Email Address (if available): kamc@yakamafish-nsn.gov		

Legal Land Owner or Part Owner Name of the Proposed Place of Use: Tall Timber Ranch	Phone No: 509-763-3127	Other No:
Address: 27875 White River Road		
City: Leavenworth	State: WA	Zip: 98826
Email Address (if available): stan@talltimber.org, becky@talltimber.org		

For Ecology Use	APPLICATION NO: <u>64-33127</u>	SEPA: Exempt/Not Exempt
	Fee Paid: <u>50.00</u>	Check No: <u>131596 11-19-2014</u> ECY Coding: 001-001-WR1-0285-000011
Date Returned	By	Priority Date <u>11-19-2014</u> By <u>[Signature]</u> WRIA: <u>45 CHELAN</u>

Pre-application interviewer:

Section 2. STATEMENT OF INTENT

Do you own the land on which the proposed point of diversion/withdrawal is located? YES NO
If no, do you have legal authority to make this application for use of another's land? YES NO

Briefly describe the purpose of your proposed project: The Yakama Nation proposes to acclimate coho salmon and possibly other salmonid species in and existing slough on Tall Timbers Ranch property. Acclimation would begin in mid March and fish would be released to migrate volitionally in May. A well would provide water to the during the acclimation period. If fish still reside in-pond after June 15, they will be forced out of the site.

Anticipated length of time to complete your project: 3 Years

Water Use List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only)		Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
	<input checked="" type="checkbox"/> Cubic Feet per Second (CFS)	<input type="checkbox"/> Gallons per Minute (GPM)		
Salmon Acclimation	1.2 cfs (Quantity may be revised after well tests are completed)		220	Seasonal, March 15 to June 15
TOTAL:	1.2			

Short Term/Temporary Water Use

Is this a request for a short term project (less than four months and non-recurring)? YES NO

Is this request for a temporary permit? YES NO

If yes to either question above, indicate the dates that the water will be needed:

FROM: TO:

1.2 CFS = 538 GPM

Section 3. POINT OF DIVERSION OR WITHDRAWAL

(Complete A or B, and C below)

A.) If Surface Water Source	B.) If Ground Water Source
<input type="checkbox"/> Spring <input type="checkbox"/> Creek <input type="checkbox"/> River <input type="checkbox"/> Lake <input type="checkbox"/> Other: _____ Source _____ Tributary to: _____ Number of proposed diversion points: _____ Do you have an existing diversion? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> Well(s) <input type="checkbox"/> Other: _____ _____ Well diameter & depth: To be determined _____ Number of proposed points of withdrawal: _____ Do you have an existing well? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If available, attach Water Well Report and pump test.

C.) Point of Diversion/Withdrawal – Legal Description						
Parcel No.	¼	¼	Section	Township	Range	County
281618300050	NE	SW	18	28N	16E	Chelan
Lot(s)	Block(s)		Subdivision			
If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner: <u>2,600</u> Feet (<input type="checkbox"/> North/ <input checked="" type="checkbox"/> South) and <u>2,000</u> feet (<input type="checkbox"/> East/ <input checked="" type="checkbox"/> West) from the (<input type="checkbox"/> NW <input type="checkbox"/> SW <input checked="" type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> ____) corner of Section <u>18</u> .						
Parcel No.	¼	¼	Section	Township	Range	County
Lot(s)	Block(s)		Subdivision			
If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner: _____ feet (<input type="checkbox"/> North/ <input type="checkbox"/> South) and _____ feet (<input type="checkbox"/> East/ <input type="checkbox"/> West) from the (<input type="checkbox"/> NW <input type="checkbox"/> SW <input type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> ____) corner of Section _____.						

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CHELAN

NOTE: If more than two points of diversion/withdrawal attach additional information on a separate sheet of paper.

Section 4. PLACE OF USE

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

Legal Description: TOWNSHIP 28N RANGE 16EWM SECTION 18
PT HES #163 ACRES 132.8500

¼	¼	Section	Twp.	Range	County	Parcel No.
NE	SW	18	28N	16E	Chelan	281618300050

Do you own all the lands on which the proposed place of use is located? YES NO.

If no, do you have legal authority to make this application for use of another's land? YES NO

Provide owner name(s), address, and phone number:

Tall Timber Ranch

27875 White River Road

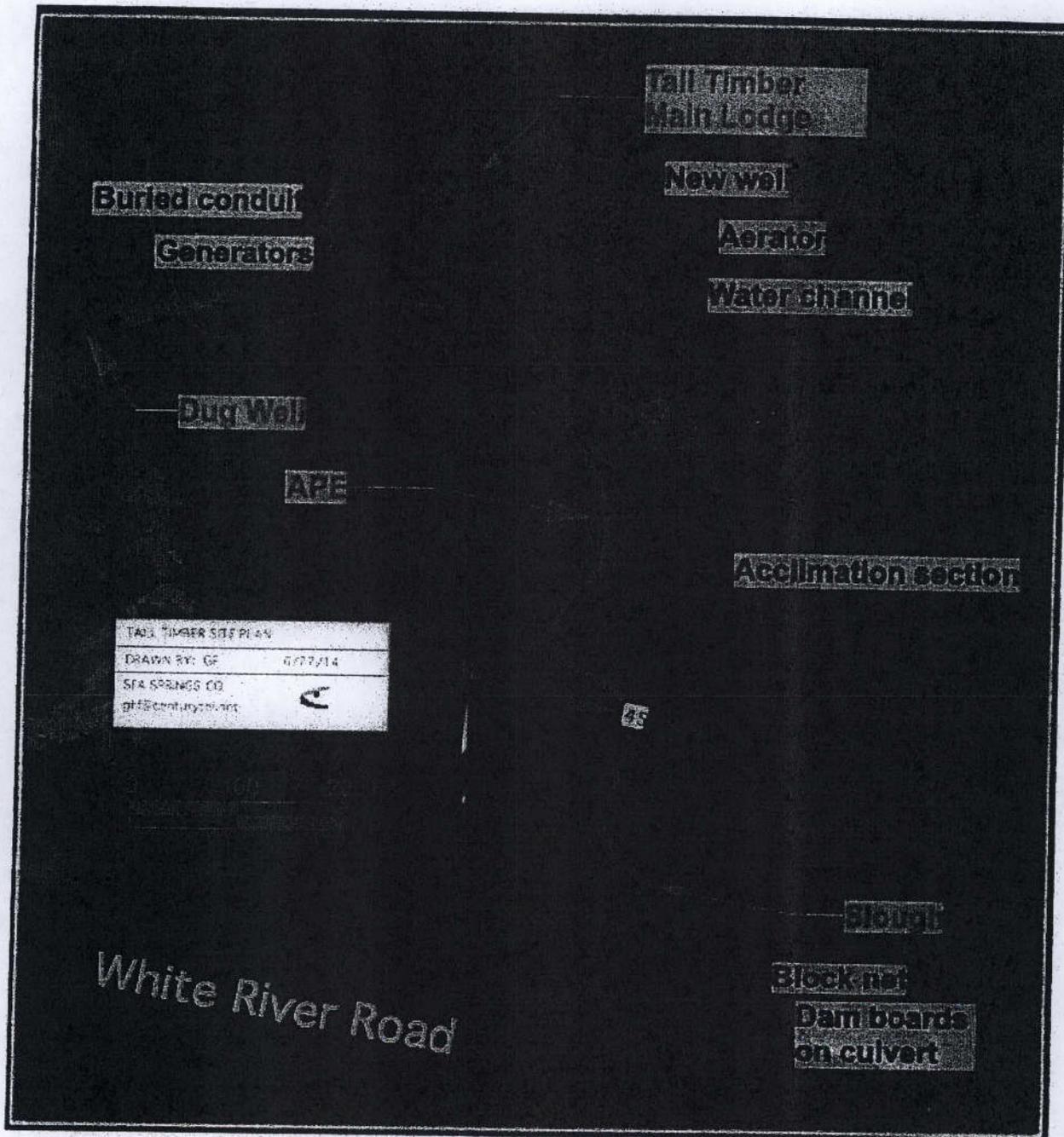
Leavenworth, WA

Contact: Stan and Becky Fishburn (509) 763-3127

Are there any other water rights or claims associated with this property or water system? YES NO

If yes, provide the water right and/or claim numbers: Tall Timber Ranch is supplied under a portion of G4-01194C, G4-31432P and permit exempt rights under RCW 90.44.050

Attach a map of your project showing the point of diversion/withdrawal and place of use. If platted property, be sure to include a complete copy of the plat map.



Section 5. WATER SYSTEM DESCRIPTION

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source): A new well is proposed that will supply water to a slough that will be used for salmon acclimation. The diameter and depth of the well have not yet been determined.

Following is a draft ground water withdrawal impact analysis from GeoEngineers done in August of 2013:

“Tall Timber Groundwater Withdrawal Impact Analysis

The Tall Timber site is located within the northwest-southeast trending basin occupied by the White River, near its confluence with the Napeequa River, and is underlain by Quaternary alluvium. The underlying bedrock is Cretaceous age biotite schist

and amphibolite of the Chiwaukum Schist Formation and late Cretaceous age serpentanized metaperidotite and metaperidotite. The proposed groundwater source at the Tall Timber site is the unconsolidated alluvium overlying the bedrock. The lateral extent of the aquifer is generally restricted to the valley floor adjacent to the White and Napeequa Rivers.

There is a Presbyterian Church wilderness camp at Tall Timber Ranch. According to Washington State Department of Ecology records and a site visit on May 31, 2013, there are four existing water-supply wells located at the site. A new well or wells would draw from the unconsolidated alluvium composed of sand, gravel, silt and clay layers. Multiple wells may be needed to meet the proposed demand of 540 gpm (1.2 cfs). Several water-bearing layers of sand and gravel appear to have the potential to be moderately productive based on nearby well log descriptions. Although the thickness, lateral extent and other characteristics of the aquifer at the site are not known, the aquifer is likely to be in hydraulic continuity with the White and Napeequa Rivers.

Groundwater Levels. Groundwater withdrawals could cause localized impacts to groundwater levels, with potential water level reductions in the existing domestic wells at the site. Based on existing information from on-site and nearby wells, the aquifer parameters are variable. Based on a range of aquifer transmissivity values, the drawdown cone, defined by drawdown greater than 1 foot, would reach approximately 500 to 1,500 feet depending on the degree of confinement of the source aquifer and amount of hydraulic continuity with surface waters.

Surface Water Flows. Groundwater withdrawals could cause localized impacts to stream flows due to the potential that the source aquifer is in hydraulic continuity with surface water (White and Napeequa Rivers). Lower groundwater levels would likely reduce stream flow, the magnitude of which depends on the degree of hydraulic continuity between aquifer and surface water. However, any reduction in stream flow would be completely offset and balanced by return flows from the acclimation pond and would result in no regional impact to streamflow.

Water Rights. The proposed activities at the Tall Timber site could impact existing groundwater rights located within the potential source area of the proposed Tall Timber site. Both rights (G4-01194C and G4-3142) are associated with the Tall Timber Ranch water-supply wells. Logs of five additional wells potentially located within the radius of influence (1,500 feet) of the proposed Tall Timber point of withdrawal were obtained from Washington Department of Ecology's well log database. Four of these wells are completed in the unconsolidated alluvium. Although their locations are approximate, all four wells appear to be located near the furthest extent, or even outside, the expected drawdown cone. Proposed new well(s) may cause drawdown interference, but the likelihood of impairment is minimal.

There are no surface water rights on the Napeequa River near or downstream from the site. The proposed activities at the Tall Timber site would not impact surface water rights. Because of the water-balance neutrality of the proposed withdrawal of groundwater from an aquifer in hydraulic continuity with the stream and discharge of the return water back into the stream, there would be no regional impacts to stream flow upstream or downstream of the Tall Timber site."

Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION

(Complete A or B, and C below)

A.) Domestic Water Systems only	B.) Municipal Water Systems only (defined under RCW 90.03.015)
Projected number of connections to be served: _____	Present population to be served water: _____
Type of connections: _____ (e.g., home, recreational cabin)	Estimate future population to be served: _____ (20 year projection)
C.) Water System Planning	
Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? <input type="checkbox"/> YES <input type="checkbox"/> NO	

If yes, date plan was approved ____/____/____ Water System Number: _____

Name of water system: _____

Are you within the service area of an existing water system? YES NO

If yes, explain why you are unable to connect to the system: _____

Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES

Irrigation

Total number of acres requested to be irrigated under this application = _____ ACRES

NOTE: Outline the area to be irrigated on your attached map.

Stockwater

List number and kind of stock: _____

Is the proposed project for a dairy farm? YES NO

Other Proposed Farm Uses

Describe all proposed uses: _____

Family Farm Water Act (RCW 90.66):

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres? YES NO

Do you have a controlling interest in a Family Farm Development Permit? YES NO

If yes, enter Permit No: _____

Section 8. OTHER WATER USES

Hydropower

Indicate total feet of head _____ and proposed capacity in kilowatts: _____

Describe works: _____

Indicate all uses to which power is to be applied: _____

FERC License No: _____

Mining/Industrial Use

Describe use, method of supplying and utilizing water: _____

Section 11. REQUIRED SIGNATURES

I certify that the information provided in this application is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though the employees of the Department of Ecology may have assisted me in the preparation of the above application, all responsibility for the accuracy of the information rests with me, the applicant.

Yakama Nation & Tall Timber Ranch
 Print Name
 (Applicant or authorized representative)
Stan Fishburn
 Print Name
 (Legal Owner or Part Owner Place of Use)

[Signature]
 Signature
10-23-14
 Date

Stan Fishburn
 Signature
 Executive Director
9/24/2014
 Date

 Print Name
 (Legal Owner or Part Owner Place of Use)

 Signature

 Date

Please check the region in which the project is located:

<p>*Submit your application to: DEPARTMENT OF ECOLOGY CASHIERING SECTION PO BOX 47611 OLYMPIA, WA 98504-7611</p>	<input checked="" type="checkbox"/> Central Regional Office 15 W Yakima Avenue, Suite 200 Yakima, WA 98902 (509) 575-2490	<input type="checkbox"/> Eastern Regional Office 4601 N. Monroe Spokane, WA 99205-1295 (509) 329-3400
	<input type="checkbox"/> Northwest Regional Office 3190 - 160 th Avenue SE Bellevue, WA 98008-5452 (425) 649-7000	<input type="checkbox"/> Southwest Regional Office PO Box 47775 Olympia, WA 98504-7775 (360) 407-6300

If you need this document in an alternate format, please call the Water Resources Program at 360-407-6872. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

If you have questions about your application, contact the Water Resources program at the regional office in which your project is located.

