

Parks and Recreation Department State Historic Preservation Office 725 Summer St NE Ste C Salem, OR 97301-1266 Phone (503) 986-0690 Fax (503) 986-0793 www.oregonheritage.org

July 14, 2017

Mr. Michael Dryden USDA FS Hood River RD 6780 Hwy 35 Mt. Hood-Parkdale, OR 97041

RE: SHPO Case No. 17-1105
USFS, Mt. Hood NF, Project #2017-060606/004, Tilly Jane A Frame Warming Shelter Security Gate Addition
Add steel gate withing
Forest Service Road 3512-630 (2S 9E 15), Hood River County

Dear Mr. Dryden:

We have reviewed the materials submitted on the USFS, Mt. Hood NF, Project #2017-060606/004, Tilly Jane A Frame Warming Shelter Security Gate Addition project as referenced above and we concur with the determination that the Tilly Jane A Frame or Warming Hut is eligible for and listed in the National Register of Historic Places. We also concur with the finding of no adverse effect for the proposed project.

Unless there are changes to the project, this concludes the requirement for consultation with our office under Section 106 of the National Historic Preservation Act (per 36 CFR Part 800) for above-ground historic resources. Local regulations, if any, still apply and review under local ordinances may be required. Please feel free to contact me if you have any questions, comments or need additional assistance.

Sincerely,

N Halin

Jessica Gabriel Historian (503) 986-0677 Jessica.Gabriel@oregon.gov



Project Review for Heritage Resources under the Terms of the 2004 Programmatic Agreement among the USFS R6, ACHP, and SHPO June 2004

Forest:	Mount Hood National Forest
Ranger District:	Hood River Ranger District
Counties:	Hood River County
Undertaking/Project	Tilly Jane A-Frame Security Gate Addition Project
Name	Project 2017/060601/0004
USGS Quads:	Mt. Hood North, OR 1979

By signing this document, the Forest Specialist certifies that for this project the Forest complies with Section 106 of the National Historic Preservation Act, under the terms of the 2004 Programmatic Agreement (PA) for the State of Oregon. This form shall be kept on file as supporting documentation

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	Stipulation III (A) 1	Undertaking meets the criteria listed in Appendix A of the PA
	Date:	Inspection, monitoring, or other identification will be submitted to
		the Forest Specialist.
	Stipulation III(A)2	Undertaking meets the criteria listed in Appendix B of the PA.
	Date:	Inspection, monitoring, or other identification will be submitted to
		the Forest Specialist.
	Stipulation III(A)3	Undertaking meets the criteria listed in Appendix C (Exempt/Non-
		undertaking).
	Stipulation III (B)1	Undertaking meets the criteria in the PA for a No Historic Properties
		Affected determination.
	Stipulation III(B)2	Undertaking meets the criteria in the PA for a Historic Properties
		Avoided determination.
	Stipulation III(B)3	The Forest has notified interested Tribes and persons, as appropriate,
		of the findings and made the findings available to the public.
Χ	Stipulation III(B)4	Historic Properties may be Adversely Affected. SHPO review
	Date: 06/20/2017	period (30-day) required.
	Stipulation III(B)5	No Historic Properties Affected: The Forest Service provided
	Date:	documentation to the SHPO and notified all interested parties, and
		made the information available to the public. SHPO review period
		(30-days) required.
	1 Atom 1	
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Michal D.	walk	06/20/2017
Forest Specialist	$\bigcirc /$	Date

For SHPO USE: For Historic Properties Adversely Affected, please indicate your opinion of our determination by marking the appropriate box below, sign and return this form to the Forest.

I concur with No Historic	
Properties Adversely Affected	
I do not concur, because in my	
opinion	
Date Received	
SHPO Bibliographic Number:	

OREGON SHPO CLEARANCE FORM Do not use this form for ODOT or Federal Highway projects or to record archaeological sites

This form is for: federal cultural resource reviews (Section 106); state cultural resource reviews (ORS 358.653)							
SECTION 1: PR	OPERTY INFORMATION	SHPO Case Number:					
Property Name:	Tilly Jane Ski Warming Hut (A-Frame) – FS T	emporary Number 666EA0092A					
Street Address:	Forest Service Road 3512-630; T2S, R9E, N	E ¼ SE ¼ NE ¼ Section 15					
City: N/A	County: Ho	bod River					
Agency Project a	#2017/060606/0004 Project Na	me: Tilly Jane A-Frame Security Gate Addition					
If there is not a str	reet address, include the Township, Range, and Se	ection, cross streets, or other address description					
Owner: 🗌 Pri	vate 🗌 Local Gov 🔲 S	tate Gov 🛛 Federal Gov 🗌 Other:					
Are there one or	more buildings or structures?	□ NO – If no, skip to Section 2 and append photo(s)					
Is the property li Historic Places?	sted in the National Register of YES	– Individually 🛛 YES – In a district 🗌 NO					
Original Constru	iction date: _1939 🗌 Check box if da	te is estimated					
Siding Type(s) a	and Material(s): Wood lap and shake	Window Type(s) and Material(s): four-paned fixed wood					
Has the property	y been physically altered?	terations 🛛 Few Alterations 🗌 Major / Many Alterations					
SECTION 2: AP	PLICANT DETERMINATION OF ELIGIBILIT	Y - Check the appropriate box					
Places. Fully esta years or greater) a documentation ma	blishing historic significance can be very costly and and integrity (historic appearance), which are the m ay be needed further in the process, but typically in	"eligible" (historic) or already listed in the National Register of Historic d time consuming. Therefore initial evaluations are based on age (50 ninimum qualifications for listing in the National Register. Additional itial evaluations allow the review process to proceed expeditiously.					
 is at least 	is considered Eligible at this time because it 50 years old and retains its historic integrity ntial significance (architectural or historical)						
The property	is considered Not Eligible at this time becau						
	an 50 years old or is 50 years or older but the to have no significance, based on National Re	re have been major alterations to key features					
	PLICANT DETERMINATION OF EFFECT -						
The project h		because there is no eligible property involved or because the					
The project w	vill have a minor impact on a property that is e	ligible or already listed in the National Register, and therefore eplacement of some, but not all, siding, doors, or windows, etc.					
The project w	vill have a major impact on a property that is e	ligible or already listed in the National Register, therefore there					
	· · · · · · · · · · · · · · · · · · ·	rtial demolition, complete residing, full window replacement, etc.					
	RIC PRESERVATION OFFICE COMMENTS -						
Eligibility:	 Concur with the eligibility determination at Do not concur with the eligibility determination 						
Effect:	 Concur with the effect determination above Do not concur with the effect determination 	n above.					
Signed:	Date	e: ILS					
CONTACT	INFORMATION STAMP						
Comments:							

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SECTION 4: PREVIOUS ALTERATIONS TO THE BUILDING OR STRUCTURE

Only complete this section for buildings that are 50 years old or older. Describe any alterations that have already occurred to the building, such as material replacement, including siding, windows, and doors; any additions, including garages; and any removal or addition of architectural details, such as brackets, columns, and trim. Provide estimated dates for the work. Attach additional pages as necessary.

A contributing element to the Cloud Cap-Tilly Jane Historic District, listed on the National Register on March 22, 1981. At some time in the past, additional flooring was added to the sleeping loft. Starting in 1979 and partially completed in September 1980, a "Preservation and Maintenance Plan" was developed for the Tilly Jane Warming Hut and the American Legion Cookhouse by Mackenzie Engineering Inc. of Portland. This plan recommended the following actions:

- 1. Replace the fireplace with fuel-efficient stove (to reduce smoke and fire hazard from misuse of the fireplace).
- 2. Install new ("A" frame leg) footings.
- 3. Repair legs for "A" frame.
- 4. New building perimeter wall footings.
- 5. Improved site drainage.
- 6. Repair roofing and ridge cap.
- 7. Install a new FS standard exterior toilet.
- 8. Repair and replace south wall shingles.

9. Repair and replace windows. Windows are to be hinged from the top and rehung to open outward so that they may be blocked open with a small piece of wood (to provide a ventilation alternative to breaking the window).

- 10. Repair doors and provide durable latch sets.
- 11. Provide safety rail at loft.
- 12. Provide second loft ladder access.
- 13. Provide interior, durable, first floor bunks/benches.
- 14. Repair exterior siding.

About half of the above actions were completed in the early 1980's before the National Register Nomination. The completed items included replacement of the fireplace, repair of the roofing and ridge cap, repair and replacement of the south wall shingles, installation of the second loft ladder and safety rail, repair and replacement of the windows, and repair of the exterior siding. Concrete footings were installed replacing the original boulders on the south buttresses. The rock facing was added on two-and-a-half of these. Two of the south-side buttresses were replaced.

During the summer of 2016, four of the original boulder anchors for the rafter/buttresses on the north side of the structure were restored, and the previously spliced rafters were replaced. Four of the badly deteriorated rafters on the south side of the structure were replaced, with splices situated just beneath the roofline.

SECTION 5: PROJECT DESCRIPTION

Describe what work is proposed, including what materials will be used and how they will be installed. Specifically identify what historic materials will be retained, restored, replaced, or covered. Include drawings, photos, cut sheets (product descriptions), additional sheets, and other materials as necessary. For vacant lots, please describe the intended use.

The proposed project consists of adding a security gate within the vestibule at the main (front) entrance. The gate would consist of 1" metal square tube pickets mounted six inches apart within a framework constructed of 1 ³/₄" square metal tubes. Two doorways each measuring 24" x 80" would be placed side-by-side in the center of the framework.

The project also consists of treating the exposed rafter ends with wood preservative.

There will be no ground disturbance in association with this proposed project.

SECTION 6: FUNDING SOURCE								
ARRA FCC FERC HUD OD	OE 🗌 USDARD 🗌 USFS							
SECTION 7: AGENCY CONTACT INFORMATION								
Name of Organization Submitting the Project: USDA Forest Service								
Project Contact Name and Title: Michael D. Dryden, East Zone Archaeologist, Mt. Hood National Forest								
Street Address, City, Zip: 6780 Highway 35, Mt.Hood – Parko	lale, OR 97041							
Phone: 541-352-1246	Email: mddryden@fs.fed.us							
Date of Submission: June 20, 2017								

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SECTION 8: ATTACHMENTS							
REQUIRED	3 – 4, color, 4 x 5 photographs of the subject property, digital or print. One photo is sufficient for vacant property						
	\boxtimes Project area map, for projects including more than one tax lot						
AS NEEDED	Additional drawings, reports, or other relevant materials						
Contact SHPO staff with questions	Continuation sheet for sections 4 or 5, or additional context to determine National Register Eligibility.						
	and Compliance, Oregon SHPO, 725 Summer St. NE, Suite C, Salem, OR 97301						
Documents meeting all aspects of the digital submission policy may be submitted by email to ORSHPO.Clearance@oregon.gov							

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CONTINUATION SHEET

- Include additional documentation for Section 4 or 5 as necessary. Attach maps, drawings, and reports as needed to illustrate current conditions and the planned project. If submitting this form by email, photos and maps may be inserted into continuation sheets.
- If completing a complete Determination of Eligibility (DOE) or Finding of Effect (FOE), use continuation sheets as necessary or include appendixes.

A contributing element to the Cloud Cap-Tilly Jane Historic District, the Tilly Jane A-Frame, or Ski Warming Hut was constructed by the CCC's in 1939 and is the last addition to the Historic district. It is a one and one half story rectangular log A-frame building with a concrete foundation. It is on an east-west axis measuring 18 by 56 feet. The shake, gabled roof is built with log rafters that extend to the ground level forming the "A" shape. About half of these rafters are anchored on partially buried boulder abutments. The remaining foundations are concrete replacements installed in the early 1980's. The roof reaches the ground on the front 15 feet of the structure covering the vestibule. The exterior walls are all covered with shakes with the exception of the areas on either side of the vestibule, which are filled with vertical half-log siding (photo above). The fenestration of the building is regular, four-paned, fixed-wood sash windows. The exception to this is the nine-panel, fixed-wood sash window looking out from the upstairs loft above the rear entrance.

The vestibule leading to the main entrance on the east elevation is 15 feet deep, has a dirt floor and contains toilets on either side. A steep stairway on the north side leads up inside to the loft and out through a door onto a pole railed balcony. The main room has a cement slab floor and is finished with vertical board walls. A large open circular fireplace was replaced in the early 1980's by a wood stove. The upstairs loft area has nearly as much floor space as the room below. The loft floor is made of large planks and the ceiling is open-log beamed. There is a steep ladder connecting the main floor with the loft.



Figure 1. East elevation, Tilly Jane Ski Warming Hut (A Frame). Undated USFS photograph.

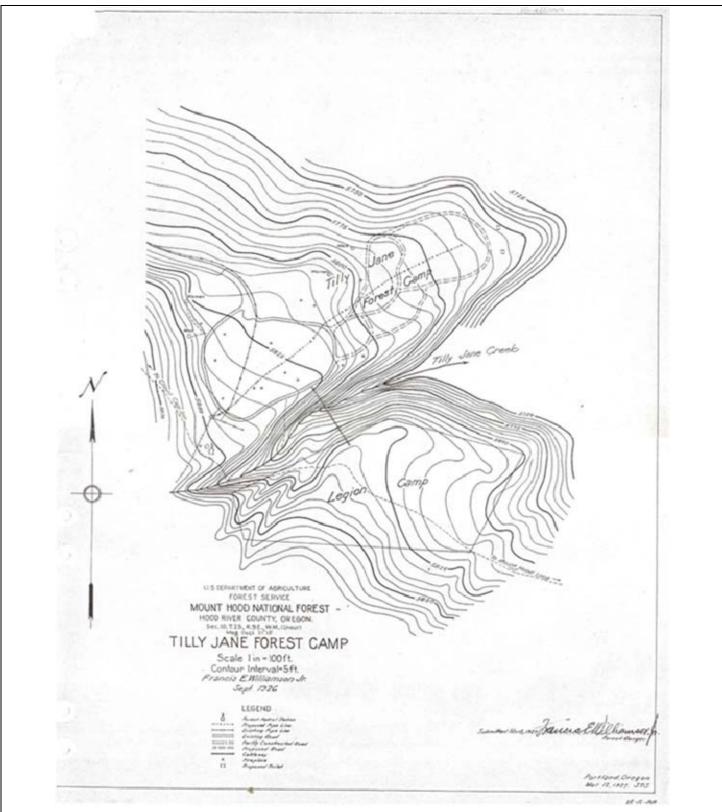
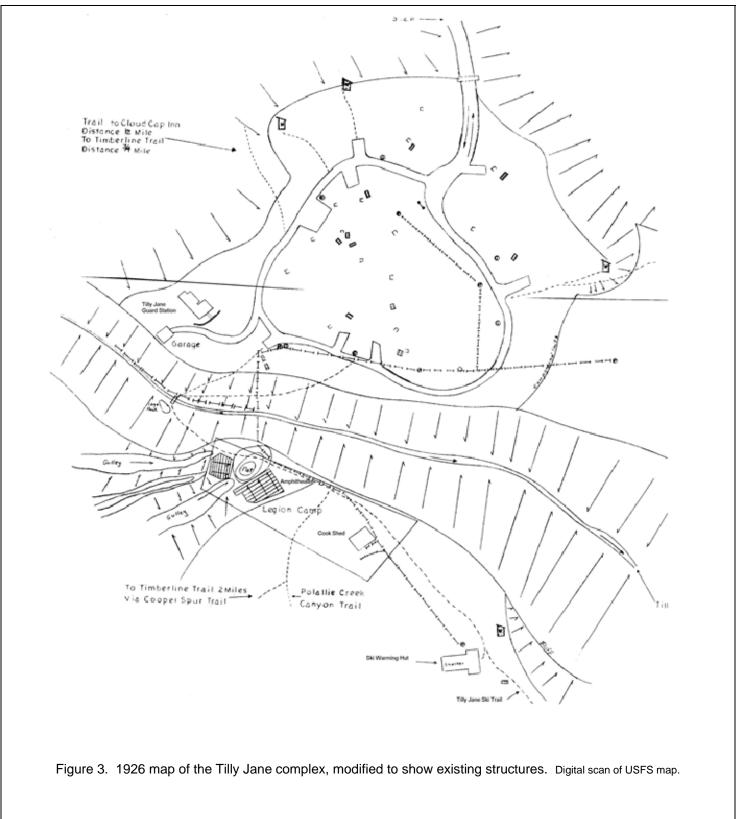


Figure 2. Map of Tilly Jane Forest Camp, showing area of Legion Camp from across the campground. Digital scan of September, 1926 drawing by Francis E. Williamson Jr.



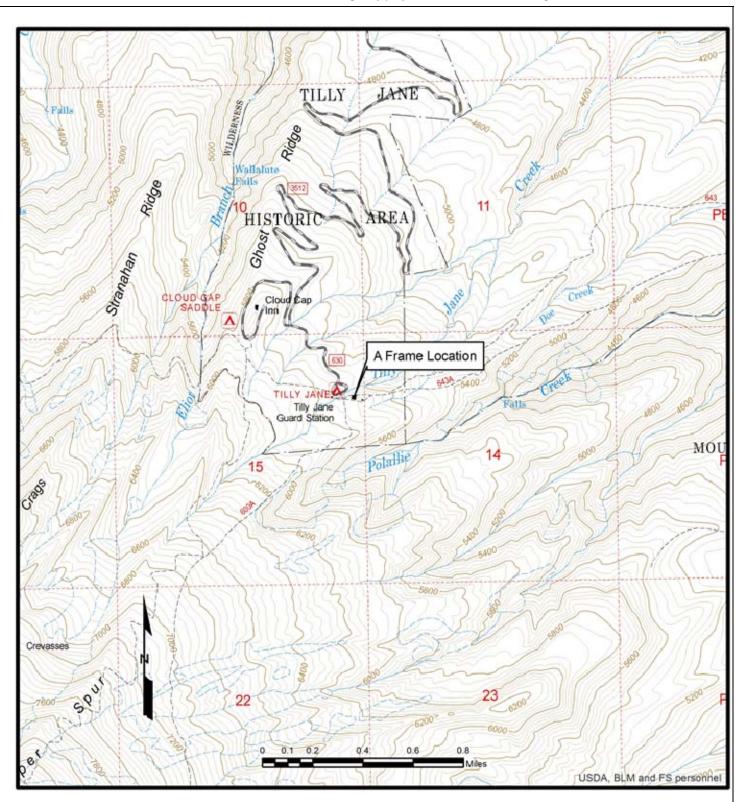


Figure 4. Location of Tilly Jane Ski Warming Hut (A Frame). Portion of Mt. Hood North, OR 1979 7.5' topographic quadrangle.

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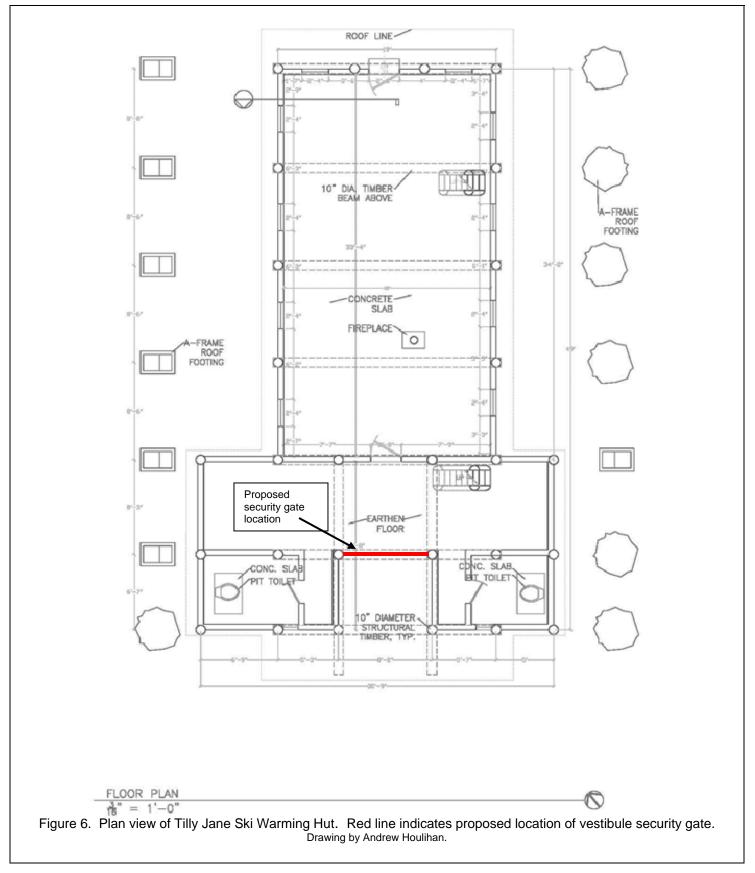
The Character Defining Exterior Elements of the Tilly Jane A-frame include: the unique ridge to ground rafters and boulder abutment system; the cedar shake roof shingles; the double coursed cedar shake siding; the split log siding on the entry vestibule; the single pane, true-light sash window units; the exposed purlins; the T-shaped architectural plan; the exterior log support brackets; and the second floor north balcony arrangement.



Figure 5. North elevation Tilly Jane Ski Warming Hut (A Frame). Undated USFS photograph.

Existing Condition: The A-frame shelter is in fair shape; however, the sleeping loft is showing signs of age and the supporting joists are on four-foot centers. The old loft floorboards and wide span results in sagging and a feeling of insecurity. The exposed portions of many of the buttresses have rotted. Some have been strengthened by the addition of 2x10 boards (Figures 10, 11 and 12). A modern door has been used to replace the balcony door on the main elevation. Of the two toilet areas in the original design, one is used for wood storage and the other is non-standard barrel toilet. A number of trees are growing next to the structure. Their branches are rubbing against the building resulting in abrasion and loss of shingles. Their roots have the potential to impact the buildings foundation. Many of the exposed rafter and purlin ends are exposed to the elements and also exhibit decay. The north balcony shows varying degrees of deterioration, and the existing rail system is inadequate. Some of the exterior wall shakes show deterioration from ground contact and from birds boring for insects. All of the buttress/rafters on the north side have been replaced in the 1970s; the proposed project would replace non-historic materials on that side of the structure. The inspection of the structure by a regional Forest Service engineer Steven Oravetz revealed that all of the buttress/rafters on the south side of the structure have severely deteriorated and no longer retain any structural strength or stability and should be replaced.

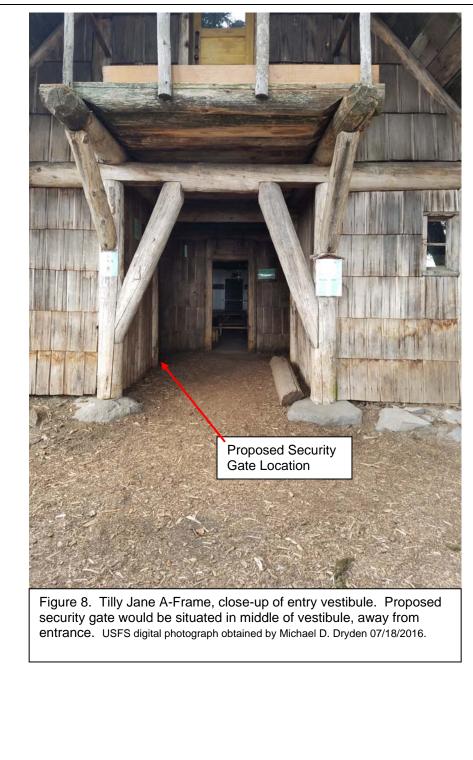
Use: In the winter it is used, as designed, for overnight stays by skiers who ski up the Tilly Jane ski trail (#643) or FS Road 3512 (usually an all day trip) and then ski down either the Old Wagon Road or the Tilly Jane ski trail (#643). During the summer there is incidental use by backpackers or climbers. The structure is currently rented out through the national reservation system and managed by the Oregon Nordic Club under a special use permit with the USDA Forest Service.



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Figure 7. Tilly Jane Ski Warming Hut, east elevation showing entrance vestibule (front). USFS digital photograph obtained by Michael D. Dryden 07/18/2016.



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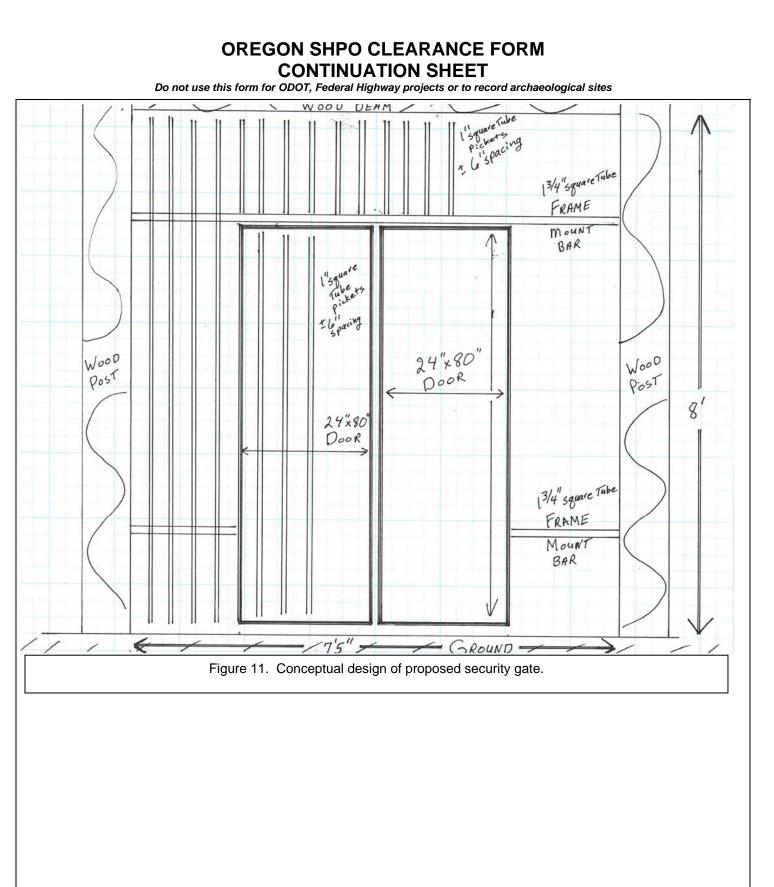


Figure 9. Entrance vestibule showing opening where proposed steel security gate would be attached to support posts. USFS digital photograph obtained by Michael D. Dryden 07/18/2016.

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Figure 10. Proposed security gate design, placed in proposed location. Note that rustic color of proposed gate would blend in with the structure and environment. USFS digital photograph obtained by Michael D. Dryden 07/18/2016.



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Purpose and Need for the Project

The Tilly Jane Ski Warming Hut (A-Frame) is currently operated by the Portland Chapter of the Oregon Nordic Club (ONC) under a Granger-Thye special use permit. The permit allows for rental funds to be returned back to the building for appropriate maintenance projects in coordination with the USDA Forest Service. The building is primarily rented by Nordic skiers using the trails within the Cloud Cap – Tilly Jane National Historic District during the winter months.

A single wood stove heats the entire two-story structure. It is believed that the stove has been replaced several times through the years, and may have initially consisted of a large, circular fire pit as mortar evidence of such a structure remains visible on the concrete floor. The current wood stove is very energy efficient and is capable of heating the building; however, an adequate and reliable source of wood is essential to the heating capabilities of the stove, and is also essential for the successful rental of the structure.

The Tilly Jane A-Frame has experienced an increasing amount of vandalism, as non-renters have broken the simple hasp lock on the front entry door, or have climbed in through the small transom above the door. Vandals have damaged the building interior and appropriated items.

Prior to the winter rental months, the ONC purchases several cords of split wood and hosts a work party to transport the split wood by hand over 600 feet to the A-Frame. Once at the A-Frame, much of the split wood is stacked within the entry vestibule. This shields the wood from the deep snows and provides for easy access to the renters. However, non-renters have been observed removing the wood for use elsewhere, or have also been observed making large bon-fires with the wood. Late-season legitimate renters have arrived at the A-Frame to find no remaining wood. There is not a viable way to re-stock the wood while there are winter snows.

There is a need to prevent vandals from gaining access to the interior of the building. There is also a need to prevent the theft of purchased wood.

The project proposes to:

Install a steel security gate within the entry vestibule on the north side of the building.

- The gate would be custom made to fit the opening.
- The gate would be constructed of 1" square tubing pickets spaced 6" apart. The pickets would be within a framework and mountings constructed of 1 ³/₄" square tubing.
- The gate would be set back away from the main entrance.
- The gate would be attached to the existing support posts framing the vestibule.
- The gate would be constructed of steel tubing, weathered to be rust-colored; dark red or reddish-brown.
- The gate would include two doorways, each measuring 24" wide x 80" tall.
- The gate would be custom made to fit the opening measuring 8' tall and 7' 5" wide.

The project also proposes to:

Treat the exposed rafter ends with wood preservative.

- A consolidating wood epoxy would be applied. The wood epoxy would match the color of the exposed rafter ends.
- Bor8 wood preservative rods would be inserted into the rafter ends.

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The project meets the Secretary of the Interior's Standards for the Treatment of Historic Properties for Rehabilitation.

- 1) A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.
 - The structure will be rented to the general public through the national reservation system. Primary use of the structure will be as it was originally intended as a ski warming shelter. The structure will also be made available during the summer for campers and explorers.
- 6) Deteriorated historic features be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
- 7) Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.
 - The Pacific silver fir and hemlock used in the initial construction of the building are especially subject to fungal decay and dry rot. The exposed rafter ends will be treated with Bor8 wood preservative rods. The rods measure from ¼" to ¾" in diameter, and in lengths from ½" to 4". Small shafts of the appropriate size will be drilled into the logs from below at the appropriate spacing. The rods will be inserted into the shafts; the holes will be plugged with wood plugs. The plugs will be hidden from view on the backside of the buttress/rafters and will not be visible to the casual observer.
 - Consolidating epoxy would be applied to the deteriorated ends of the exposed rafters. The epoxy would match the color of the weather wood.
- 9) New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work will be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the integrity of the property and its environment.
- 10) New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.
 - The proposed security gate will be attached to the existing wood support posts and entry framework. The gate would be constructed of steel square tubing weathered to appear rustic. Although primarily constructed of wood, the existing structure does contain metal elements; however the structure does not contain any features or components identical to the gate materials. The materials of the gate will be differentiated from the old, and will be weathered to appear rustic and compatible with the other historic materials. The gate will be placed in a secondary entry situated to the interior of the prominent front entry. The weathered components and placement of the gate will allow it to recede into the shadows and be less visible to the casual observer; the essential form and integrity of the property would remain unimpaired. No historic materials would be removed in the placement of the gate. The gate could be removed in the future without affecting the historic property or its environment.

The proposed project meets the Secretary of the Interior's Standards for the Treatment of Historic Properties for Rehabilitation and we believe will *no adverse effect* on the historic Tilly Jane Ski Warming Hut (A-frame) and *no adverse effect* on the Cloud Cap – Tilly Jane National Historic District.

OREGON SHPO CLEARANCE FORM INSTRUCTIONS

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SECTION 1: PROPERTY INFORMATION:

- o Include complete address and agency project number and name, if applicable.
- Check YES if there are any buildings on the site. Check NO if it is a vacant parcel (in which case it will be evaluated for archaeology and the potential impact on surrounding buildings only.)
- Check YES if your research (look on our website at <u>http://heritagedata.prd.state.or.us/historic/</u> and/or call your local planning office) shows the property is listed. Check NO if you find that it is not listed.
- Fill in the construction date. Check box if date is estimated.
- o Describe the siding and window types and materials. Examples: double hung wood windows; vertical wood siding.
- Check to what degree the property has been altered. Ask yourself, would the original owner recognize the building, or have there been many changes that obscure the historic features?

SECTION 2: APPLICANT DETERMINATION OF ELIGIBILITY:

- Check the ELIGIBLE box if the building is listed (National Register OR Local landmarks register), has previously been evaluated as eligible, or is 50 years of age AND the majority of the exterior historic features are retained.
- Check the NOT ELIGIBLE box if the building is not yet 50 years old, or if in your opinion there have been many and/or major changes (e.g. additions, siding and/or window replacement, porch enclosures).
- Applicants who acknowledge that the property meets the minimum qualifications for listing in the National Register but choose to contest this determination must complete a Determination of Eligibility (DOE). The DOE must demonstrate that the property is not eligible for the National Register using the Criteria listed in National Register Bulletin 15, "How to Apply the National Register Criteria for Evaluation." The DOE may be submitted on continuation sheets or as a separate document.

SECTION 3: APPLICANT DETERMINATION OF EFFECT:

- Check the NO EFFECT box if the property is NOT ELIGIBLE for listing in the National Register or if the work will not replace or alter the appearance of any of the building's exterior features.
- Check the NO ADVERSE EFFECT box if the property is ELIGIBLE for listing or is already listed in the National Register and the work is visible (e.g. re-roofing with same materials, window or siding repair, adding a vent) but will not remove or obscure historic features.
- Check ADVERSE EFFECT if the property is ELIGIBLE or listed in the National Register and the work includes major changes, such as replacing the siding or windows.

SECTION 4: PREVIOUS ALTERATIONS

 List the changes that already occurred to the building, including siding, windows, doors, porches, additions including dormers, or if the property was moved. Include the approximate date of each alteration. The information can be provided in list format.

SECTION 5: PROJECT DESCRIPTION:

Clearly describe what is being repaired or replaced, and how that work will be done. What materials and
installation process are proposed? Include sufficient information (e.g. close-up photos, product specification
sheets) so we can compare what exists with what is proposed. The information can be provided in list format.

SECTION 6: FUNDING SOURCE:

o Check the federal or state agency funding the project; or check "other" and fill in the agency name.

SECTION 7: AGENCY CONTACT INFORMATION:

o List the name of the organization submitting the Clearance Form

SECTION 8: ATTACHMENTS:

- Photos: Include photos of the entire building, especially the elevations that can be seen from the street. Include close-ups of features that will be impacted by the project.
- Additional Information: When applicable, include window specifications, plans or diagrams that illustrate pertinent existing conditions and/or proposed work
- Continuation sheets for additional Section 4 or 5 narrative or to append a formal Determination of Eligibility (DOE) or Finding of Effect (FOE). These materials may also be submitted as a separate document.