



**PNWAS NEWS  
BULLETIN 141**

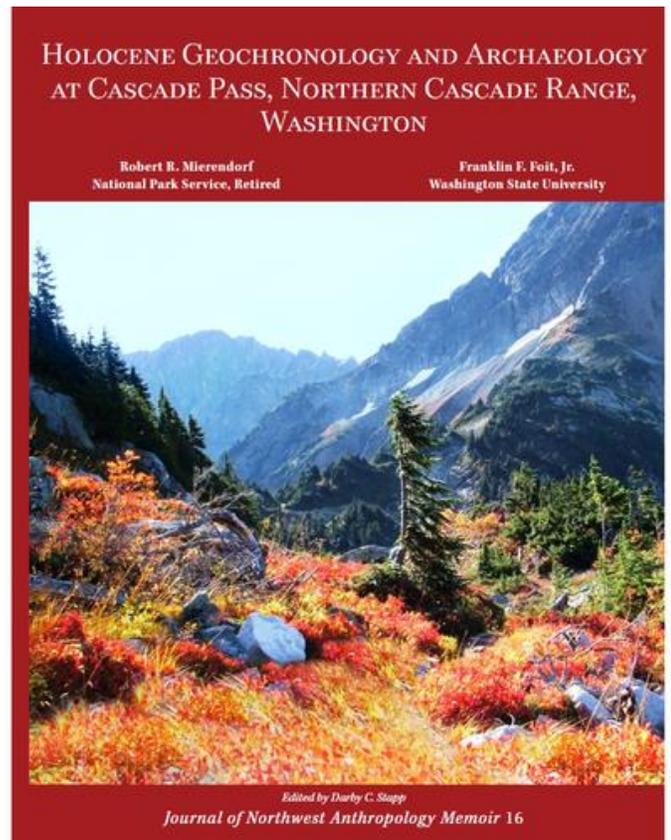
**WELCOME TO  
SPRING PNWAS  
PROGRAMS AND SUMMER  
CAMPOUT AT HOKO FOR  
MAKAH DAYS!!!!**

*We had a wonderful March PNWAS talk by Scott Williams on his ongoing work in search of the BeesWax Spanish Galleon off the coast of Oregon. Our Spring talk continues our theme on the high country archaeology, this time on the Cascade Pass, Northern Cascade Range, Washington by Robert R. Mierendorf and Franklin F. Foit, Jr., May 17th. We will have cake for their coming out of their new book, and a book signing to follow.*

*Please be sure you are current for PNWAS and please join for 2019 programs—We are establishing plans for our August 23-25 Hoko Campout and Makah Day Celebration Weekend—please reserve on your calendars—Thank you for your support.*



*(Left) Our youngest PNWAS member Julian Carter with our salmon dinner and (Right) the group picture with Ed Carriere, Suquamish Elder, in T-shirt; he showed us how to gather spruce roots.*



May 17th, 2019

**Holocene Geochronology and  
Archaeology at Cascade Pass,  
Northern Cascade Range, WA**

**By Robert R. Mierendorf, National Park  
Service and Franklin F. Foit, Jr., WSU**

Indigenous uses of Cascade Pass began by about 9,600 years ago and continues through the present. Cascade Pass is one of many on the northern Cascade Range divide that separates east-flowing from west-flowing rivers (to the Columbia River and Salish Sea, respectively). In the Lushootseed language of Skagit people, Cascade Pass is *z?lu*'s which translates as "over the mountain". Cascade Pass' traditional importance is further recorded in ethnographic and historic accounts of Salish elders from villages on both sides of the range (Northwest Coast and Plateau culture areas). It became one of the first trans-Cascade routes explored in the contact period and later the area attracted prospectors, photographers, road planners, hikers and campers, and climbers.

Cascade Pass is administered as part of North Cascades National Park (Park) and the Stephen Mather Wilderness. The Pass (1646 m [5398 ft] elevation) remains one of the most visited parts of the Park's wilderness and is accessed by a maintained trail through old-growth forest, across avalanche slopes, leading to alpine meadows, often accompanied in summer by the sounds of cracking glaciers and cascading meltwater.



*Oblique aerial photograph of Cascade Pass facing south.*

In response to overuse from the burgeoning popularity of camping in the Pass meadows, the eroded soils of the early 1970s have been largely returned to native meadow plants. Beginning in 2005, Park archaeologists conducted limited excavations to gather baseline data and determine the significance of the archaeological remains recorded in 1977 as archaeological site 45CH221.

Seeking to maximize information with a minimum of disturbance to vegetation and soils, a series of ground probes (auger and posthole) yielded data on site boundaries and several locations of well stratified archaeological and geological layers. In two of these locations (located 22 m apart), three 1x0.5 m rectangles (test units) were excavated down to glacial boulders, a depth of about 0.9 m (2.9 ft). A total assemblage of 527 flaked stone artifacts was retrieved from 1.3 m<sup>3</sup> of excavated site deposits (artifact density = 439/m<sup>3</sup>).



*Posthole Probe of Cascade Pass site area for initial determination of stratigraphy, artifact content and site boundaries (9-5-2005)*

This presentation describes the technical results of the excavations and more generally, the way these contribute to understanding how the site formed (site formation processes) and its state of preservation (taphonomy), how it was used for over nine millennia, and what this new data means in light of current understandings of Pacific Northwest peoples' traditional occupation of alpine areas in the larger region, and to broader research and conservation issues.



*Microblades from Cascade Pass (45CH221) (ventral, top row, dorsal, bottom row) made of chert (a,b,c) and quartz crystal (d,e).*

**PNWAS Summer Fieldtrip—August 23<sup>rd</sup>-25<sup>th</sup>, 2019, for the Hoko River Mouth Retreat (HRMR) campout and MAKAH DAYS! Bring family and friends**



*Close-up showing tephra and sampling locations (where sample number is present).*

The results of this study are pertinent to those with interest in management and research of large tracts of Wilderness and other protected lands in the Cascade Range, including federal and state agency levels, Tribal and First Nation governments, researchers, and the public.

**Book signing and sales by authors to follow program**

**DATE:** *Friday, May 17th, 2019*

**TIME:** 7 pm to 9 pm

**PLACE:** **Mountaineers Seattle Program Center, 7700 Sand Point Way NE, Seattle, WA 98115 in the Cascade Room**

**COST:** FREE to members, \$10.00 to non-members, \$5.00 for Students (*please renew membership for 2019 and these programs at <http://www.pnwas.org> and now through PayPal*) Refreshments provided (Please bring cookies/snacks to share with the beverages).

**HOKO:** *Join us Makah Days at the Hoko River Mouth Retreat*



*Our lit-up and covered firepit area for dinners at the Hoko River Mouth Retreat*

**PRELIMINARY AGENDA:**

1. Arrive at the Hoko River Mouth Retreat on Friday afternoon and set up your tent camp for our weekend campout. If you reserve a “small cabins” that sleeps up to 6 indoors, we will charge an extra \$50 total at the camp for the 2 nights. They have electricity and heaters [only one left].

After Saturday morning breakfast we will pack lunches and go to Neah Bay to enjoy a **Makah Days** parade, youth dances, canoe races, their wonderful salmon bake, and great vendors for shopping! Also tours of the Makah Museum and hike to Cape Flattery.



*Makah Day Queen in Makah Day Parade*

3. Sunday you have the option of hiking around the area and pack equipment and bag lunch to leave or hike down to the Ozette Site and stay another night.
- 4.

If you stay until Monday, we will have a tour around Hoko and pack equipment and bag lunch for trip home.

### What to Bring with You to the Hoko River Mouth

**Retreat**—You mainly need to bring a **sleeping bag, sleeping pad and tent** to camp on the Hoko River beach. Other things you should bring are: camp chairs, rubber boots (for tidal collecting), rain gear (just in case), flashlight, sun glasses, pocket knife, bathing suit (river is warm!?), changes of clothing and personal snacks.

And we have (1) canopy with a kitchen (hot/cold water stainless sinks, refrigerator, propane stoves, pots and pans, and paper plates/plastic ware), (2) covered firepit with two grills and lots of firewood (see picture above), (3) enclosed hot/cold shower facility, (4) two deluxe outhouses (with lights and cassette-tape/radio!) and two porta-potties as the main toilets; you can see some of the facilities on web: <http://hrmr.weebly.com/>. You will park your van/car/camper-on-pickup at Hoko on the lawn by the beach--the road is gravel and steep, but ok, **however it will not support large vehicles or RVs, so DO NOT bring trailers or RVs! You cannot get them back up the gravel road.**

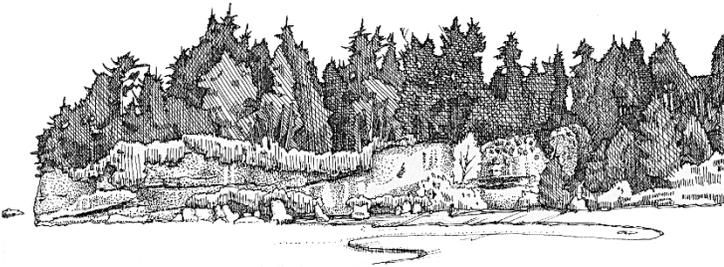


**DATE: Friday, August 23<sup>rd</sup> to 25<sup>th</sup>, 2019**

**TIME:** Meet at **HOKO RIVER MOUTH RETREAT** Friday afternoon to set up your tents

**PLACE: Hoko River Mouth Retreat west of Sekiu, Washington on river mouth beach** (maps will be sent)

**COST:** \$60.00 for members, \$75.00 for non-members (**please renew membership for 2019 and these programs at <http://www.pnwas.org> and pay through PayPal at this web site**) or mail a check to our PNWAS address, 1219 Irving Street SW Tumwater WA 98512, for reservation **by August 18th**. Also see Hoko River Mouth Retreat web site at: <http://hrmr.weebly.com/> where you can also pay through *PayPal*. All facilities and meals in camp are covered for the weekend. We will send you directions and maps when you signup.

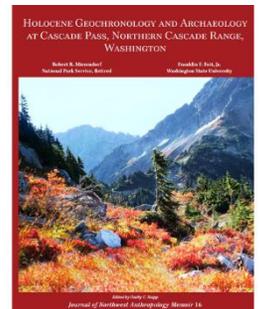


## Pacific Northwest Archaeological Society

1219 Irving Street SW Tumwater WA 98512

Join at <http://www.pnwas.org>

Also join us at Hoko Makah Days



Join us Friday May 17th, 2019 for

## Holocene Geochronology and Archaeology at Cascade Pass, Northern Cascade Range, WA

By **Robert R. Mierendorf, National Park Service and Franklin F. Foit, Jr., WSU**

Book sales and signing on new Cascade Pass Archaeology book