



Haines Avalanche Center

Supporting and promoting avalanche forecasting, education and research to reduce injuries and deaths caused by snow avalanches.



Dear Sponsor,

The Haines Avalanche Center is seeking corporate sponsorships to support and promote avalanche safety in southeast Alaska. Your contribution will provide community outreach to prevent injuries and deaths caused by snow avalanches. Specifically, sponsor funds allow us to provide the data and information people need to stay safe: through our mountain weather stations, professional forecast products, and free community avalanche safety classes.

Sponsorships like yours help build stronger southeast Alaska communities by protecting residents and visitors while promoting year-round recreation. By becoming a cooperate sponsor you will help the Haines Avalanche Center reduce avalanche related incidents like the one that claimed the lives of 2 young Haines men in December of 2019.

Last season, our online avalanche safety outreach received more than 50,000 visitor-impressions. We taught 15 local avalanche courses to 158 students. These classes included local residents, industry professionals and out of town visitors. (You can visit our website at www.alaskasnow.org or find us on Facebook and Instagram)

By becoming a Gold level cooperate sponsor you will receive brand recognition on the Haines Avalanche Center website as well as course advertising materials both online and in print.

Sincerely,

Erik Stevens
Director - Haines Avalanche Center
estevens@alaskasnow.org

For corporate sponsors, we are pleased to offer the following options:

Silver

Tax-deductible Donation:
\$1000

- Your logo on HAC webpages
- Your logo on HAC email updates

Gold

Tax-deductible Donation:
\$2500

- All the perks of Silver, PLUS:
- Dedicated sponsorship of 3 local avalanche education classes with direct callout to your organization
- Special Social Media Callout
- Your Logo on our Weather Station webpages

In the last 9 years, 8 people have died in avalanches in Haines. With your help, the Haines Avalanche Center can reduce accidents, prevent deaths, increase our quality of life, and contribute to our local winter tourism economy.



Tax-Deductible Donation Form

Haines Avalanche Center

C/O Alaska Avalanche Information Center

AAIC is a 501(c)3 non-profit organization

EIN # 80-0674646



You can also donate online by visiting alaskasnow.org/donate and clicking on **Haines**

Date: __/__/__

Person making donation: _____

Company/Organization: _____

Address:

State: __ Zip Code: _____

Phone: _____

Email: _____

Please write checks to the *Alaska Avalanche Information Center*. Write HAC in the memo.

Amount: \$ _____

Please Mail to:

Alaska Avalanche Information Center

POBox 665

Haines, AK 99827

Haines AvalancheCenter (HAC) is an office of the Alaska Avalanche Information Center (AAIC). The AAIC is a 501(c)3 non-profit organization. In an effort to foster support for local avalanche centers the AAIC provides insurance, non-profit status and services that small avalanche centers cannot afford. Your donation makes it possible for small avalanche centers like HAC to survive. **100% of your donation will go directly to the HAC.** If you need a receipt, just let us know and we will send one to you.

Thanks for your local support!

Erik Stevens

Haines Avalanche Center

estevens@alaskasnow.org

Alaska Avalanche Information Center
P.O. Box 665
Haines, AK 99827
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Haines Avalanche Center 2020-2021 season stats:

HAC Forecast webpage visits: 18,584
HAC Facebook reach: 32,080 impressions
74 Haines forecasts published
15 Haines classes taught
158 Haines students directly reached via hands-on training (all ages)

Haines Avalanche Center Season End Report, submitted to the American Avalanche Association May, 2021

With deep snowpack down to sea level for most of the winter, skiers and riders had no need to drive to the Chilkat pass to access the snow (which is a blessing, since the Canadian border is closed to recreational traffic). In fact, since the pass is not accessible for us in these lingering COVID times, HAC could not produce a reliable forecast for that zone. We focused instead on our two closer zones, and those forecasts benefited from the extra attention. Due to reduced funding, we once again were limited to forecasting for weekends only.

The big story this winter was the unprecedented atmospheric river event of Dec 1st-7th, 2020. This ended up being a 500-year event for Haines. It caused widespread flooding, erosion, debris flows, and landslides. The largest of the landslides destroyed part of the Beach Road neighborhood, sweeping multiple homes into the sea. Two local residents lost their lives, and many were affected by losing access to their homes. This disaster stopped almost everything in the community for weeks. HAC staff spent all of December helping in the disaster response and directly participating with the Borough's Emergency Operations Center. Rainfall totals for the event were staggering:

24-hour total: 7.18"
48-hour total: 10.49"
7-day total: 14.85"

This atmospheric river was well-forecasted in advance. We bumped the avalanche danger to Extreme for Dec. 1st and 2nd. Our wording in the forecast was simple: "If we receive as much precip. as expected, that would likely be a 75-100 year storm, as per the National Weather Service. It is not out of the question to see 75-100 year avalanches as well."

We ended up with a 500-year storm. While the big story ended up being the landslides and devastation, this was also a large snow avalanche event. One avalanche at Chilkat Lake was large enough to break through the thick lake ice, causing a small tsunami that propagated across the lake and broke up all the ice, flooding the opposite shore.

It was a wild, tragic December and we were happy to get back to normal winter operations by late January. The rest of the season brought ample snowfall and relatively benign conditions, with the occasional crust-facet PWL problem but no serious accidents.

See below for a series of photos from this year's season.

Haines Avalanche Center would like to extend a heartfelt thanks to all of its supporters, sponsors, and contributors this year!



Haines Avalanche Center
November 30, 2020 · 🌐

Expecting very heavy precipitation rates Monday night- Wednesday. Possible record accumulations of 5-10" of water equivalent through Wednesday afternoon. Snow levels start at sea level today and will be rising to near 4000ft by the end of the storm. We are expecting a large or very large natural avalanche cycle during this period. Please avoid all avalanche terrain and lower runout zones. Also, keep an eye on the loading on your roof when heavy rain begins falling over heavily laden roofs.

Winter Storm Warning

Haines Highway and Klondike Highway

WHAT TO EXPECT

 Heavy snow with accumulations of 24 to 36 inches. Wind gusts up to 45 mph.

 6 PM Monday to 9 PM Tuesday

MAIN CONCERNS

 Visibility will be poor. Objects will be blown around in the wind. Power outages are possible. Hazardous travel conditions.



 National Weather Service | Juneau, AK Issued: 11/30/2020 6:36 AM

5,324 People Reached 385 Engagements Boost Post

Caption: On November 30th, 2020, 2 days before the destructive December Weather Event, HAC began sounding the alarm on social media. Our prediction of 5-10" of rain was close. In the end, 10.49" of rain fell in 48 hours. It was the worst storm on record in Haines, and considered a 500-year event by the National Weather Service.



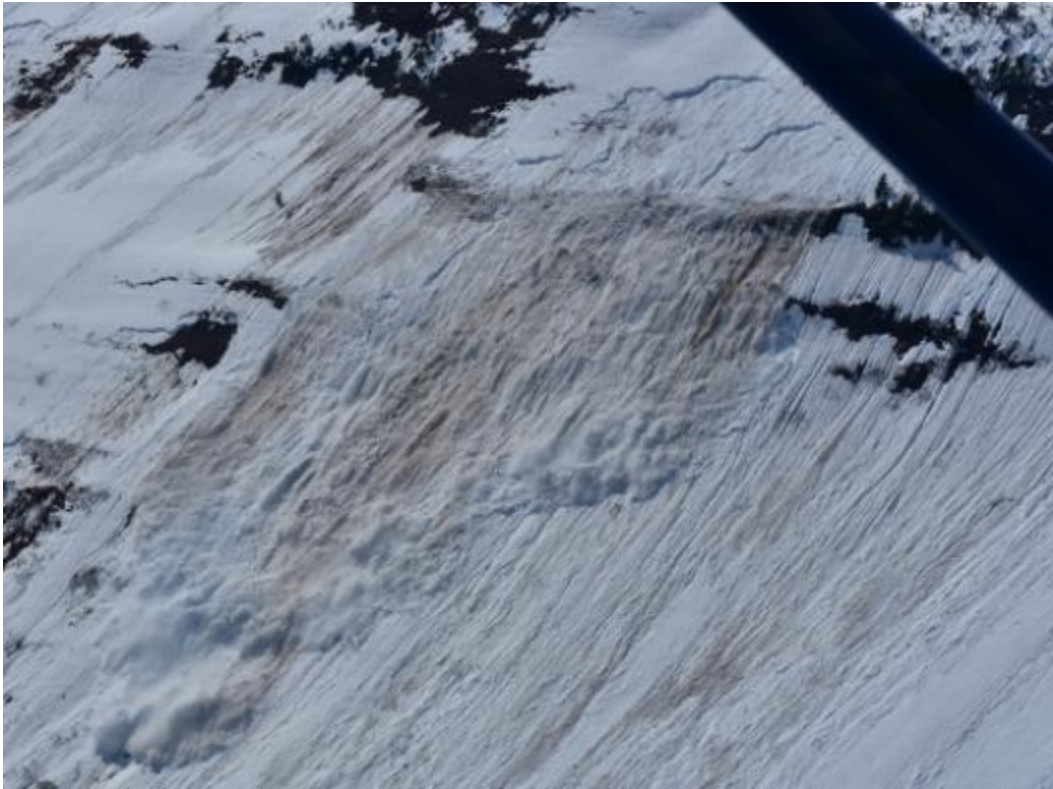
Caption: This large avalanche crossed the Haines Highway at 21-mile on January 18th, 2021. This is a historically inactive path that may have expanded to reach the highway this year. We will be keeping an eye on it and other Haines Highway paths as winter comes in again.



Caption: HAC Forecaster/Educator Jeff Moskowitz teaching avalanche beacon skills to students at the Haines School. February, 2021.



Caption: This year's extremely deep snowpack challenged our forecasters to dig quite deep to assess buried weak layers. Luckily, deep snowpacks tend to be stronger and less avalanche-prone.



Caption: April 19th, 2021, HAC staff caught this D3 Wet Avalanche in action in our Transitional Zone. This was a big year for wet slides in Haines, with a deep spring snowpack that clashed with record high temperatures in late April and May.