

# COCORAHS IN ALASKA 2022

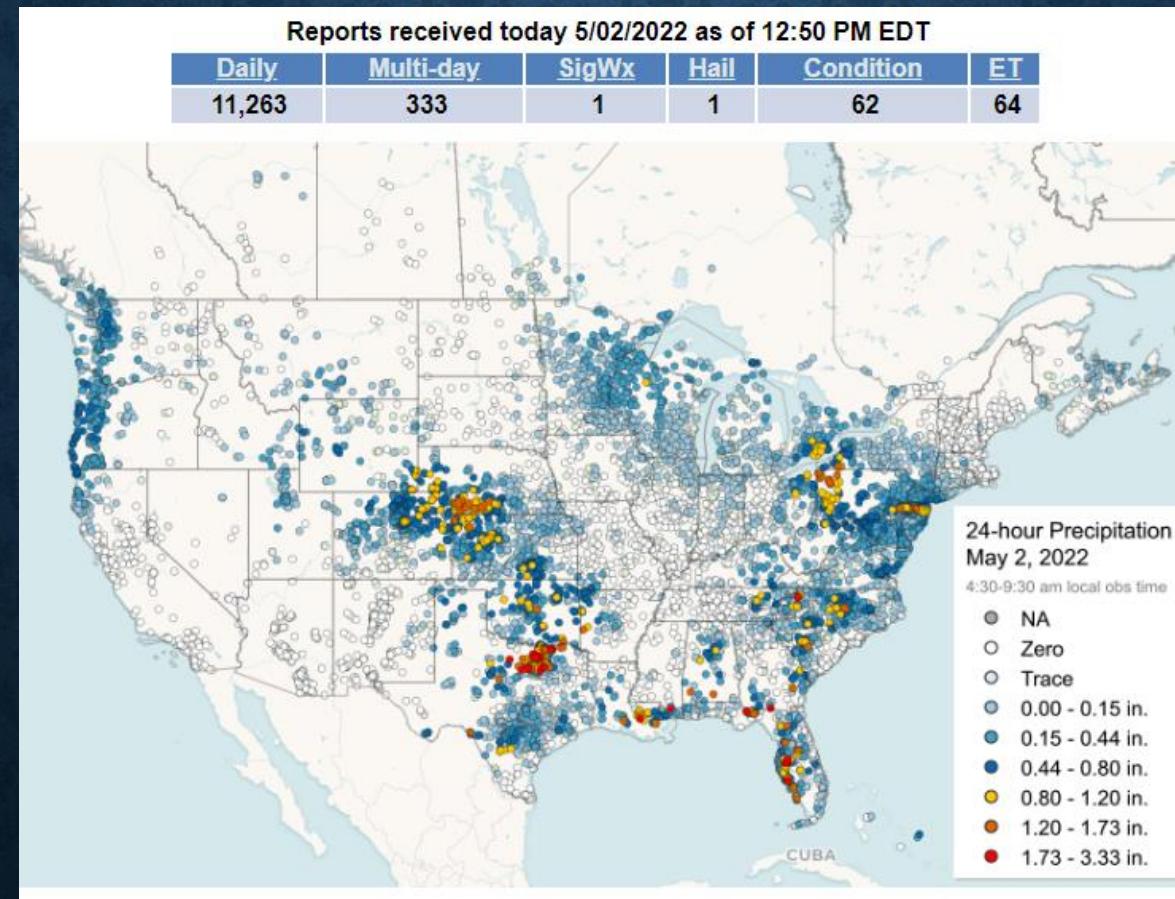
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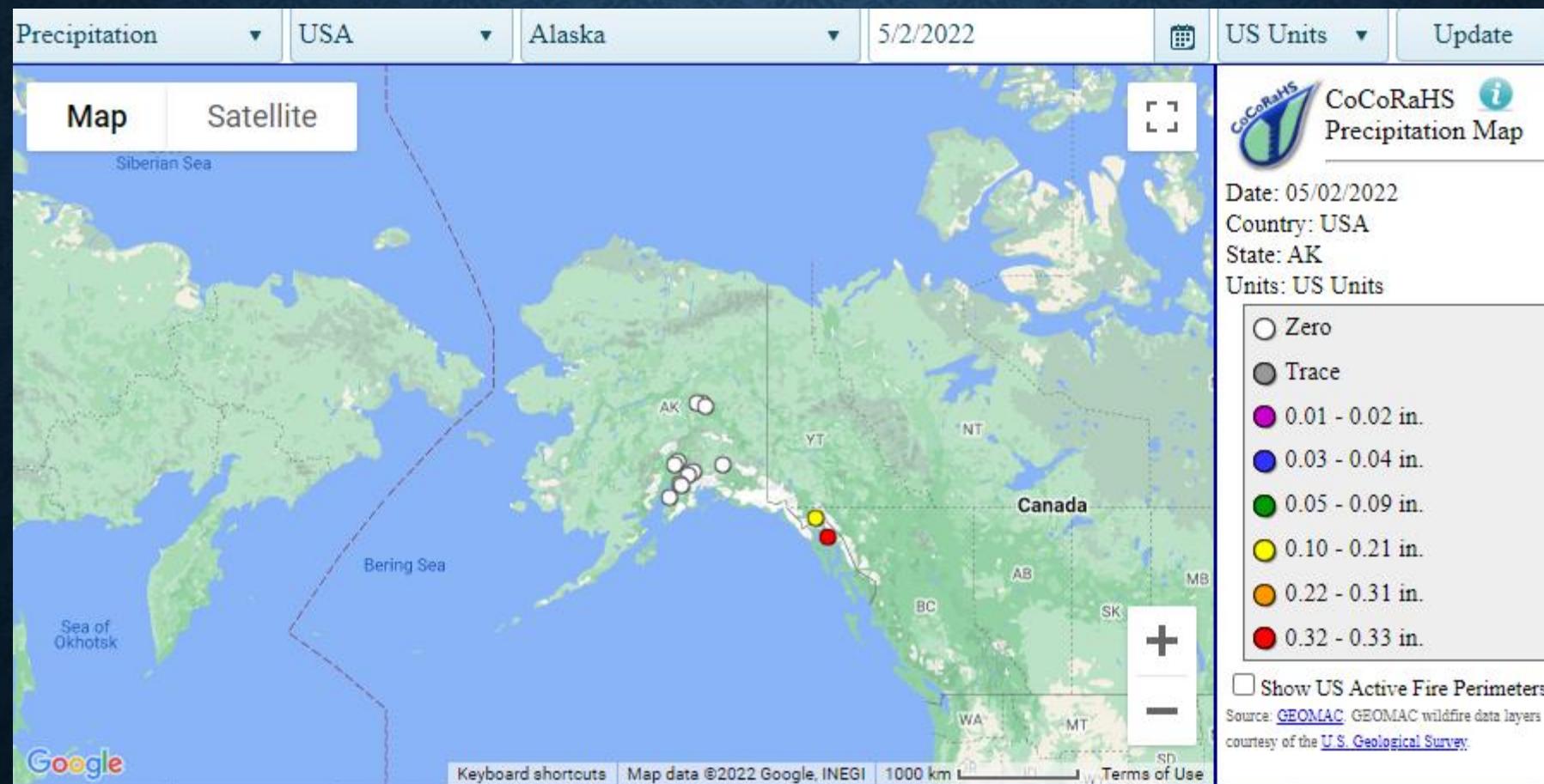
# COCORAHS: COMMUNITY COLLABORATIVE RAIN, HAIL & SNOW NETWORK. STARTED IN CO 1998



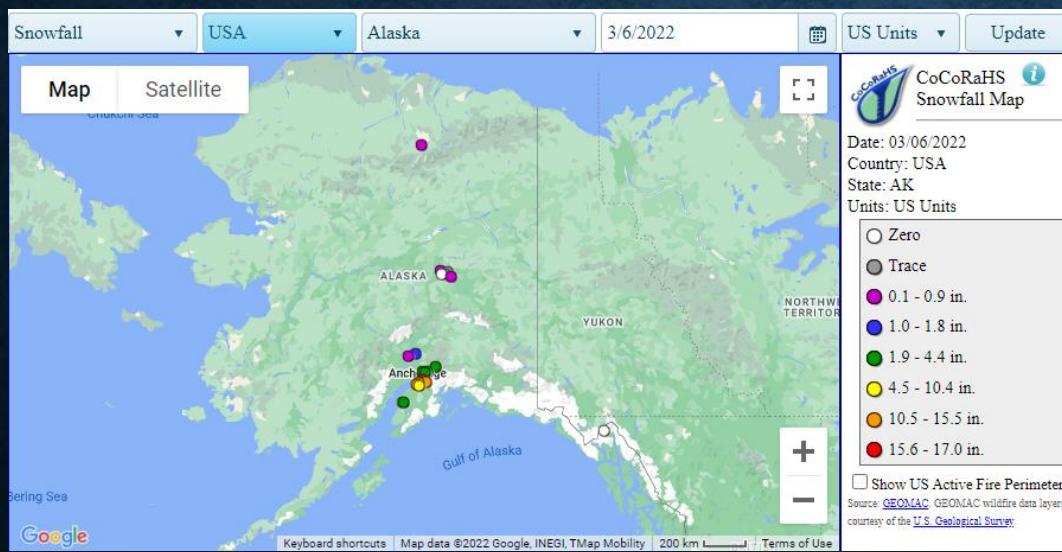
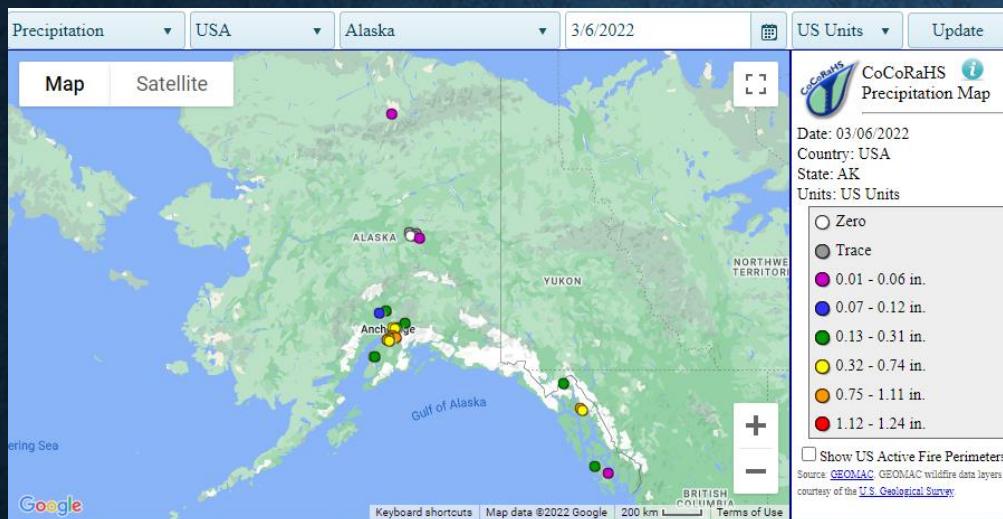
## COCORAHS AK

- In AK, CoCoRaHS spun up in 2008-2011, with some organized recruiting efforts. By the early 2010's, limited participation (maybe 10-15 reports per day in late 2010's). Mid-2010's: some gauge distr. with mixed success.
- 2020: Efforts revitalized with involvement of State Climatologist office and NOAA coordinators. 2021: new gauge distr.
- Aaron Jacobs and Kimberly Vaughan: SE/Panhandle Coordinators
- Erin Billings: Central AK Coordinator
- 2021: AK Newsletter startup

# COCORAHS AK

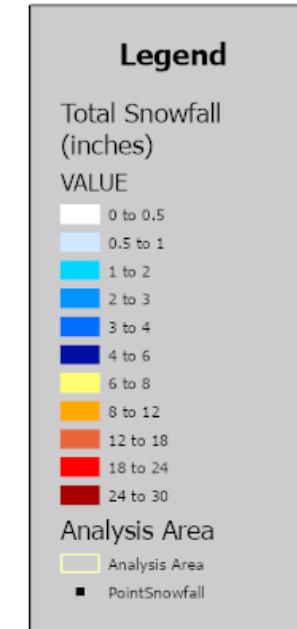
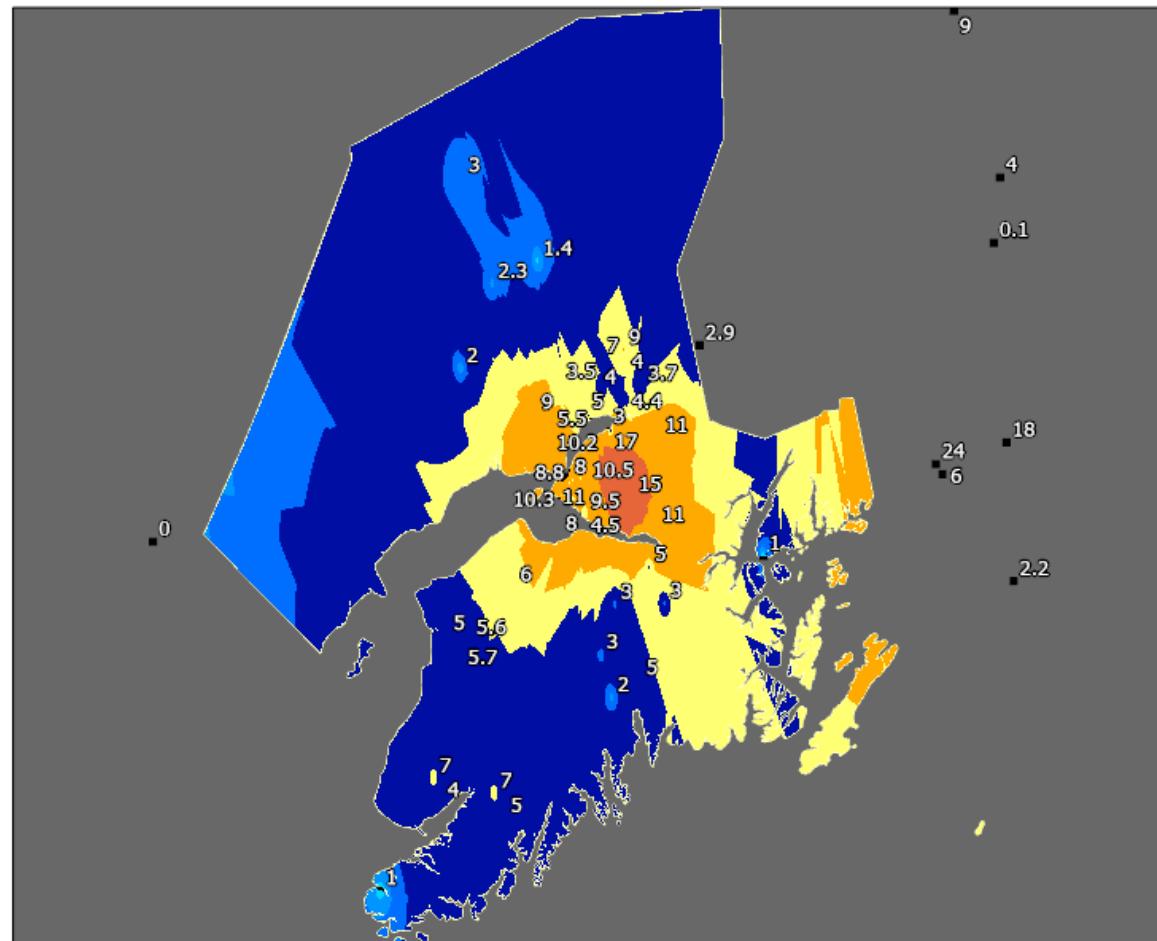


# COCORAHS AK



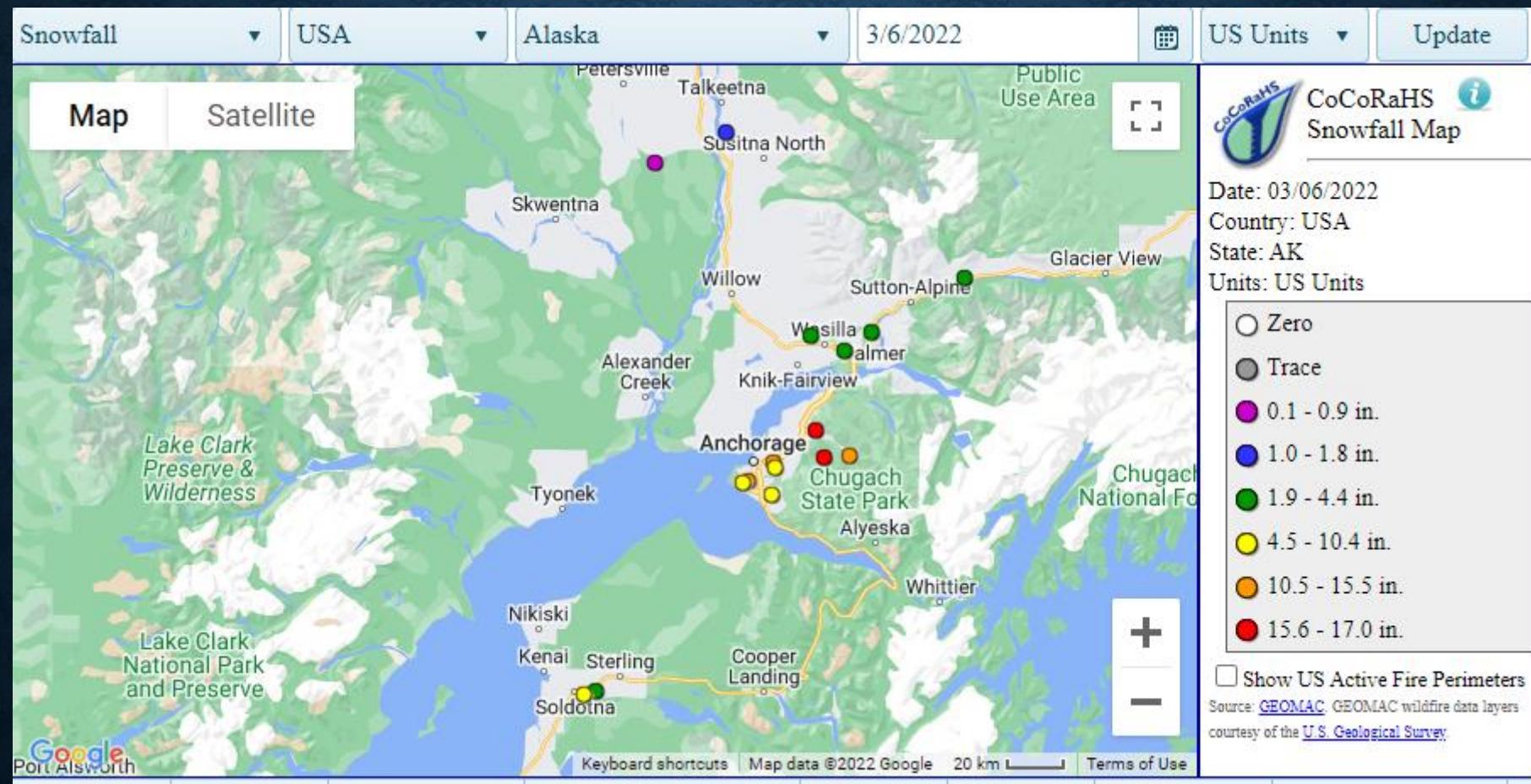
# COCORAHS AK

## Storm Total Snowfall: March 5, 2022



ZONE	MIN	MAX	RANGE	MEAN	STD	PCT10	PCT25	MEDIAN	PCT75	PCT90
101	4.510944	15.637345	11.126401	11.260441	2.038728	8.559328	9.12373	11.744472	13.119292	13.628812
111	4.078444	12.883471	8.805027	7.296975	1.691268	5.681763	5.881212	6.676399	8.498077	9.916093
125	1.136832	12.228024	11.091191	6.381202	1.538317	4.622218	5.089154	6.430439	7.276905	8.390491
145	1.58212	8.86839	7.28627	4.77442	0.932329	3.875693	4.168451	4.678261	5.066411	5.872657
121	1.10243	10.418544	9.316114	5.85475	1.244836	4.793073	5.190668	5.527436	6.585513	7.815007

# COCORAHS AK



**COCORAHS  
AK**



# COCORAHS AK



# WEATHER IN AK: 09/21 AND 09/27



# COCORAHS AK



## MORE TYPICAL SNOW EVENT....

000  
NOAK48 PAFC 222037  
PNSAFC  
AKZ101-111-230845-

PUBLIC INFORMATION STATEMENT  
NATIONAL WEATHER SERVICE ANCHORAGE AK  
1137 AM AKST SUN NOV 22 2020

...SNOW TOTALS FOR ANCHORAGE AND THE MATANUSKA VALLEY THIS MORNING...

A QUICK BUT HARD-HITTING BAND OF SNOW MOVED ACROSS ANCHORAGE AND  
THE MATANUSKA VALLEY THIS MORNING. HERE IS A SUMMARY OF THE  
SNOWFALL TOTALS THAT HAVE BEEN REPORTED SO FAR.

HAVE ADDITIONAL SNOW TOTALS TO REPORT? VISIT  
[WEATHER.GOV/APRFC/SUBMIT?SITE=AFC](http://WEATHER.GOV/APRFC/SUBMIT?SITE=AFC) TO SUBMIT YOUR REPORT.

PLACE.....AMOUNT

SOUTH ANCHORAGE.....	6.0 INCHES.
NORTHEAST ANCHORAGE.....	4.1 INCHES.
HILAND RD. S OF EAGLE RIVER...	3.7 INCHES.
EAGLE RIVER.....	3.1 INCHES.
ANCHORAGE HILLSIDE.....	2.5 INCHES.
PALMER.....	2.0 INCHES.
MIDTOWN ANCHORAGE.....	1.5 INCHES.
2 ESE POTTER HILL.....	1.5 INCHES.
NWS ANCHORAGE.....	1.0 INCHES.

# COCORAHS AK

## *CHALLENGES*

- The weather (wind/ice accum/extreme conditions for up to 8 months/yr)...tough on equipment and observers.
- Access to suitable gauge sites, and access to the site itself. We do not typically have suitable sites on residential lots. And it's *DARK* through 10am+ during the cold months.
- Reporting: many folks have limited internet connectivity; utilizing a cell phone does not encourage comprehensive reports
- Interest: impactful weather limited due to sparsity in population
  - E.g. consistent reporting from primarily scientists
- No human population in large areas; many residents are not semi-permanent
- Few meetup opportunities (eg. COVID, expensive travel, etc.)

## COCORAHS AK

Efforts to deal with these limitations

AK Newsletter Fall '21

Fall 2021

# ALASKA CoCoRaHS NEWSLETTER

## Welcome to the Alaska CoCoRaHS Newsletter!

This newsletter will discuss Autumn '21 updates to the Alaska Community Collaborative Rain, Hail, and Snow Network.

Thank you for submitting your daily precipitation reports! This newsletter's purpose is to inform all of the volunteers about weather events in Alaska, and to talk about current events and opportunities.

# COCORAHS AK

- 1 **Observer Recognition/  
New Observers**
- 2 **Fall 2021  
Weather**
- 3 **Director Visit  
and new Haines  
observers**
- 4 **Water Year  
Summaries**
- 5 **Spread the  
Word!**



## COCORAHS AK

Fall 2021

### New Members in the vicinity of Haines

*Thanks to Steve Wishstar and Erik Stevens  
of the Haines Science Center and the Haines Avalanche Center: setup of  
gauges and observations in the Haines area; station numbers  
AK-HB-2, AK-HB-3, AK-HB-4, AK-HB-5*

*Distribution of gauges in the Haines area was possible thanks to the  
Canadian CEC and LEO network.*

## **COCORAHS AK**

- Thanks to the Canadian CEC and the LEO network, we have been distributing gauges to interested volunteers.
- To date (9 months) about 10 new gauges have been implemented in the Anchorage area (schools, interested scientists, the public, etc.).
- State of the Art: on an active precipitating day, 25-30 statewide reports. Inactive days: 15-20 reports.
- Some efforts at regular QC of the data have initiated (primarily during the cold season)
- **Distribution of brochures**
- Visit in-person late summer '21 by Director Henry Reges, who accomplished a lot of advertising with travel and visits through a large portion of the state.

Service High School  
Anchorage AK  
10/2022



# COCORAHS AK



# COCORAHS IN AK 2022

- SUMMARY:
  1. Challenges are numerous
  2. Some headway has been noted with newsletters, gauges, QC efforts.
  3. Active precip. days: 25-30 observations
  4. Observer recruitment/retention remains a difficulty
  5. Efforts on inroads into the Indigenous Tribal communities are increasing.