**Spring Breakup Outlook for Alaska**
Valid June 06, 2025
Alaska-Pacific River Forecast Center
Next Product Issuance: None for 2025
www.weather.gov/aprfc

**EXPERIMENTAL PRODUCT**
**Spring Breakup Outlook for Alaska**

**Statewide Summary**

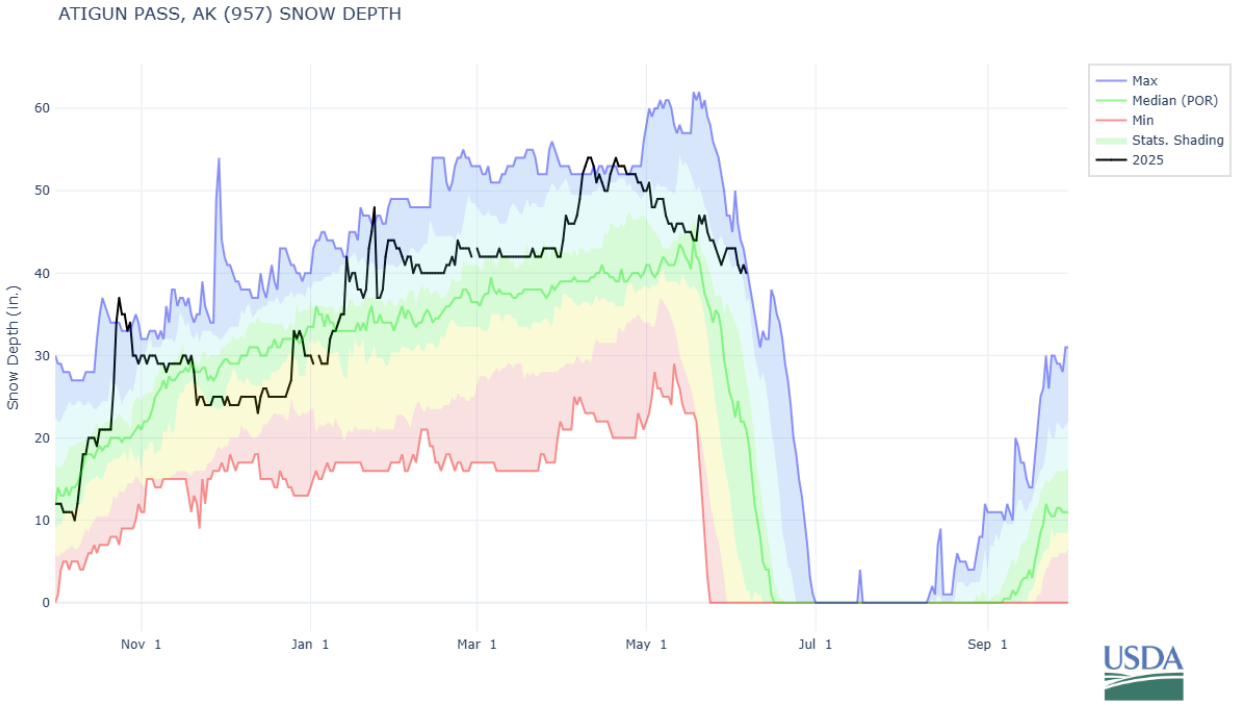
**The flood risk for North Slope rivers remains high due to above average late season snowpack combined with warming temperatures in mid-June.**

Breakup is over for all areas south of the Brooks Range with high water from snowmelt and drift pulsing down the Yukon. Winter conditions persist and snowmelt has been minimal to nonexistent on the North Slope although a climatic pattern shift toward more normal temperatures is expected next week.

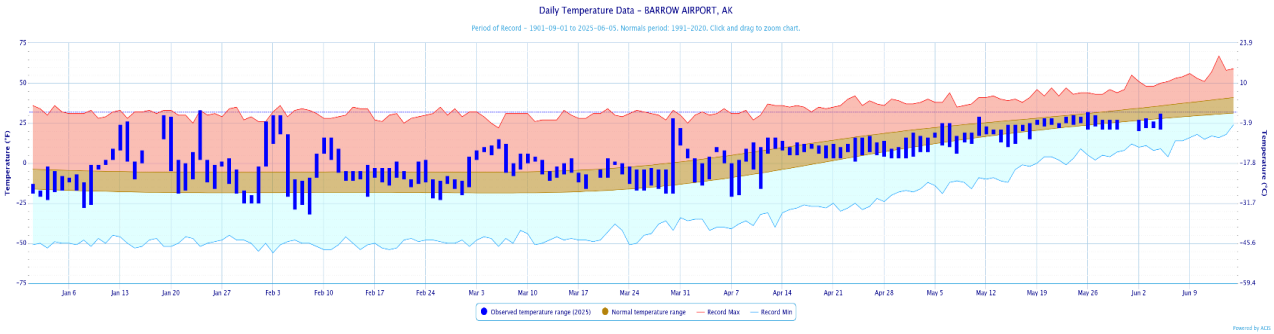
This will be the final Spring Breakup Outlook Statewide Summary for 2025. Information regarding North Slope rivers will be coordinated directly with partners and stakeholders in the region.

**North Slope**
Breakup is well behind schedule, with widespread snowpack and North Slope rivers still mostly frozen. Observations show the snowpack is ripe and the ground temperatures are warm around Imnaviat Creek, suggesting that spring is on its way. NWS anticipates air temperatures will begin to warm this coming week, with daily lows staying above freezing, but arapid temperature increase is not expected. Overall consensus is that breakup should begin late next week.

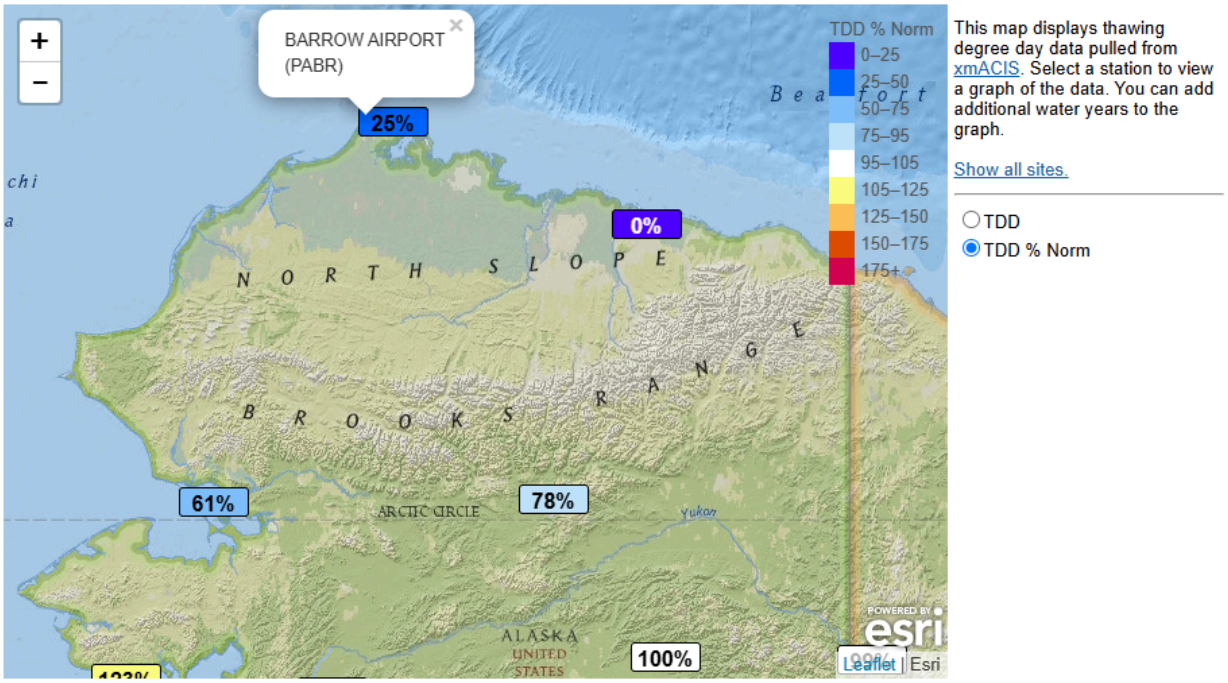
Snowpack remains widespread across the North Slope with more than 3 feet still reported at Atigun Pass (4,800 ft). Despite air temperatures still below normal and several NWS Winter Storm Warnings in Interior Alaska this past week, most snow depth gauges across the region show snowmelt has begun. The snowpack graphic below from Atigun Pass illustrates the delayed onset of snowmelt on the North Slope.




The air temperature and thawing degree day (TDD) graphics below reflect the cold temperatures observed on the North Slope this spring. TDD are well below average for early June. These cold temperatures allow river ice to maintain its integrity and inhibit snow melt.



Thawing Degree Days - Percent of Normal



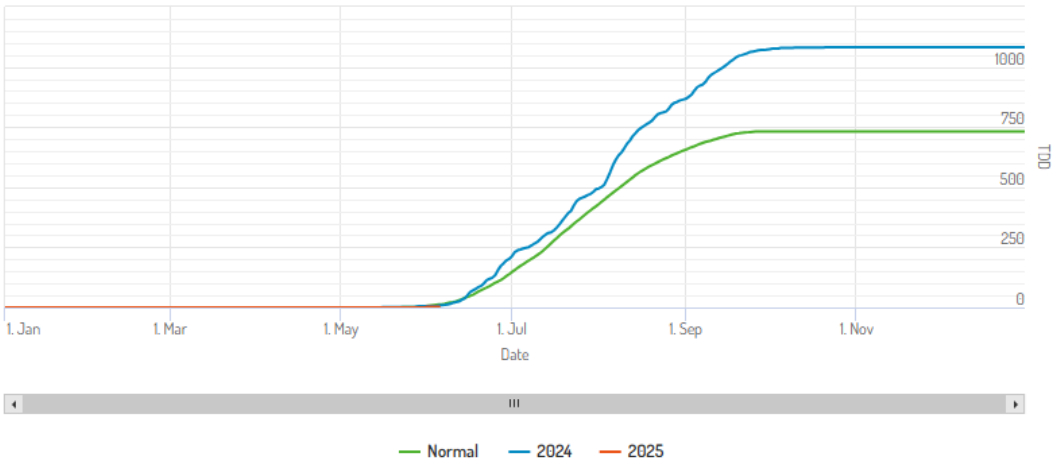

This map displays thawing degree day data pulled from xmACIS. Select a station to view a graph of the data. You can add additional water years to the graph.

Show all sites.

TDD
TDD % Norm

Select an additional year to graph: 2025 Reset

BARROW AIRPORT THAWING DEGREE DAYS

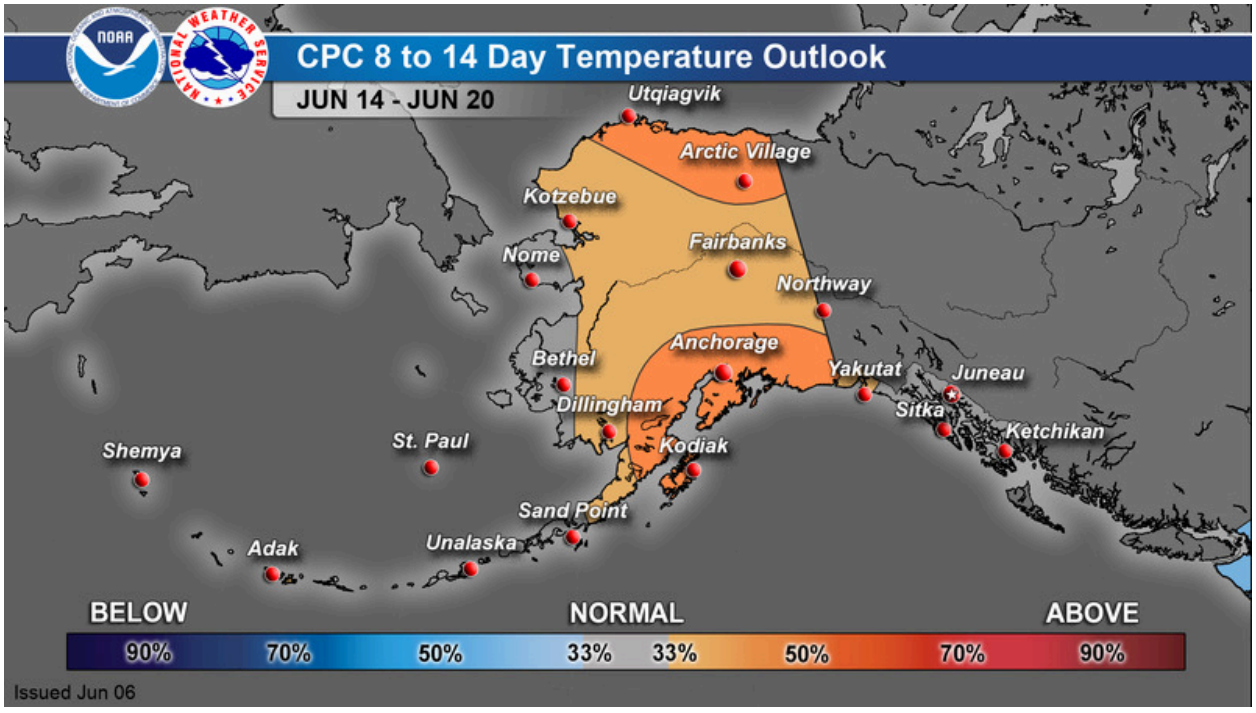



**Yukon River**

The NWS Yukon River at Tanana river observer recently reported that "[when] the two hills he looks at … are snow free the river usually starts to fall …[and it] is the latest he's seen them with snow." Yukon River high water with significant drift has reached Russian Mission today, with water levels near bankfull. No flooding is expected anywhere along the Yukon River as this wave passes to the Bering Sea Coast.

**Climate**

Climate Prediction Center (CPC) guidance has nearly spun a one-eighty since last week with the 8-14 day outlook changing from being +/-50% below normal to now 33-50% above normal across Alaska (graphic below). Should it verify, the higher percent of normal on the North Slope will help kickstart this later than normal breakup season.



## Statewide Breakup Map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**************************************************************************
* EVEN THOUGH A PARTICULAR RIVER OR REACH MAY BE DESCRIBED AS MOSTLY  *
* OPEN OR OPEN... IT IS STILL POSSIBLE FOR RUNS OF ICE AND DEBRIS TO  *
* MOVE THROUGH AS HEADWATERS UPSTREAM BREAKUP.  PLEASE USE CAUTION AT *
* ALL TIMES WHEN ATTEMPTING TO NAVIGATE RIVERS.                       *
**************************************************************************
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## Summary of 2025 Breakup Dates

*** indicates date of actual breakup in 2025*

| Tanana-Fairbanks | | | | |
|---|---|---|---|---|
| **River-Reach** | **Location** | **Median Breakup Date** | **Years of Record** | **2025 Breakup Date** |
| Chena River | | | | |
| | Chena Lakes Project | | | 4/23** |
| Tanana River | | | | |
| | Northway | 4/26 | 32 | 4/25** |
| | Salcha | 4/26 | 3 | 4/28** |

| | | | | |
|---|---|---|---|---|
| | Fairbanks | 4/30 | 22 | 4/30** |
| | Nenana | 4/30 | 45 | 4/27** |
| | Manley HS | 5/3 | 33 | 5/2** |

| Yukon River | | | | |
|---|---|---|---|---|
| **River-Reach** | **Location** | **Median Breakup Date** | **Years of Record** | **2025 Breakup Date** |
| Yukon River (Upper) | | | | |
| | Dawson, YT | 5/4 | 45 | 4/30** |
| | Eagle | 5/4 | 45 | 5/1** |
| | Circle | 5/9 | 41 | 5/5** |
| | Fort Yukon | 5/11 | 41 | 5/6** |
| | Beaver | 5/11 | 28 | 5/12** |
| | Stevens Village | 5/11 | 26 | 5/13** |
| | Rampart | 5/12 | 28 | 5/13** |
| Yukon River (Mid) | | | | |
| | Tanana | 5/8 | 40 | 5/8** |
| | Ruby | 5/9 | 39 | 5/7** |
| | Galena | 5/11 | 44 | 5/8** |
| | Koyukuk | 5/10 | 18 | 5/9** |
| | Nulato | 5/12 | 27 | 5/9** |
| | Kaltag | 5/12 | 39 | 5/10** |
| | Anvik | 5/14 | 36 | 5/12** |
| | | | | |
| Yukon River (Lower) | | | | |
| | Holy Cross | 5/14 | 38 | 5/12** |
| | Russian Mission | 5/15 | 38 | 5/12** |
| | Marshall | 5/15 | 33 | 5/12** |
| | Pilot Station | 5/13 | 28 | 5/12** |
| | Mountain Village | 5/15 | 38 | 5/13** |
| | Alakanuk/Emmonak | 5/20 | 39 | 5/17** |

| Kuskokwim River | | | | |
|---|---|---|---|---|
| **River-Reach** | **Location** | **Median Breakup Date** | **Years of Record** | **2025 Breakup Date** |
| Kuskokwim River | | | | |
| | Nikolai | 4/23 | 39 | 4/22** |
| | McGrath | 5/4 | 45 | 5/3** |
| | Stony River | 5/2 | 37 | 4/27** |
| | Sleetmute | 5/1 | 36 | 4/27** |
| | Red Devil | 5/3 | 39 | 4/28** |
| | Crooked Creek | 5/4 | 39 | 4/28** |
| | Aniak | 5/5 | 42 | 5/1** |
| | Kalskag | 5/5 | 36 | 5/5** |
| | Tuluksak | 5/7 | 33 | 5/2** |
| | Akiak | 5/8 | 39 | 5/7** |
| | Kwethluk | 5/5 | 13 | 5/6** |
| | Bethel | 5/9 | 45 | 5/6** |
| | Napakiak | 5/10 | 30 | 5/8** |

| Southeast-Southcentral | | | | |
|---|---|---|---|---|
| **River-Reach** | **Location** | **Median Breakup Date** | **Years of Record** | **2025 Breakup Date** |
| Southeast | | | | |
| Kenai River | | | | |
| Anchor River | | 4/17 | 16 | Early April** |
| Matanuska River | | | | |
| Susitna River | | | | |
| | Gold Creek | 5/2 | 9 | 4/25** |
| | Sunshine | 5/2 | 36 | 4/28** |
| Talkeetna | | | | |
| | Talkeetna | 4/28 | 5 | 4/24** |
| Yentna River | | | | |
| | Lake Creek | 5/1 | 33 | 4/23** |
| Skwentna River | | | | |
| | Skwentna | 4/30 | 30 | 4/24** |
| Copper River | | | | |
| | Gakona | 5/1 | 36 | 4/29** |
| | Gulkana | 5/1 | 34 | 4/29** |

| North Slope-Northwest | | | | |
|---|---|---|---|---|
| **River-Reach** | **Location** | **Median Breakup Date** | **Years of Record** | **2025 Breakup Date** |
| Koyukuk River | | | | |
| | Bettles | 5/10 | 43 | 5/16** |
| | Allakaket | 5/11 | 38 | 5/12** |
| | Hughes | 5/11 | 38 | 5/13** |
| | | | | |
| Seward Peninsula | | | | |
| | Buckland | 5/18 | 35 | 5/15** |
| | | | | |
| Kobuk River | | | | |
| | Kobuk | 5/14 | 40 | 5/16** |
| | Shungnak | 5/16 | 32 | 5/16** |
| | Ambler | 5/16 | 38 | 5/22** |
| Noatak River | | | | |
| | Noatak | 5/19 | 27 | 5/20** |
| | | | | |
| Brooks Range | | | | |
| | Colville at Umiat | 5/25 | 22 | 5/22-5/28 |
| | Colville at Colville Village | 6/3 | 23 | 5/31-6/6 |

This is the final Spring Breakup Outlook for 2025.

For more detail and to see the Flood Potential Map refer to the APRFC website at:
https://www.weather.gov/aprfc/floodpotential

This product is experimental. For more information and to submit comments, please contact:

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