

**Specialist's Factual Report – Addendum 1**

**NWS Weather Forecast Products for the period August 25-30, 2020**

**METEOROLOGY**

DCA20FM027

This addendum report provides additional NWS products issued from August 25-30, 2020, regarding the development and warnings issued of Hurricane to Storm Force conditions across southwest Alaska. The NWS Ocean Prediction Center's (OPC) Alaska 24-hour and Pacific 48-hour Surface Forecast Charts are issued every 12-hours. The bold italic text highlights important discussions regarding the developing storm system and/or applicable periods.

**August 25, 2020 (Tuesday)**

The NWS OPC Alaska 24-hour and Pacific 48-hour graphical surface forecasts issued at 1005 and 1030 AKDT respectively on August 25, 2020, are included as figures 1 and 2. The 48-hour chart depicted a developing low-pressure system at 992-hPa was expected to develop over the Bering Sea with Gale Force conditions<sup>1</sup> and move eastward and deepen or further fall in central pressure to 987-hPa.

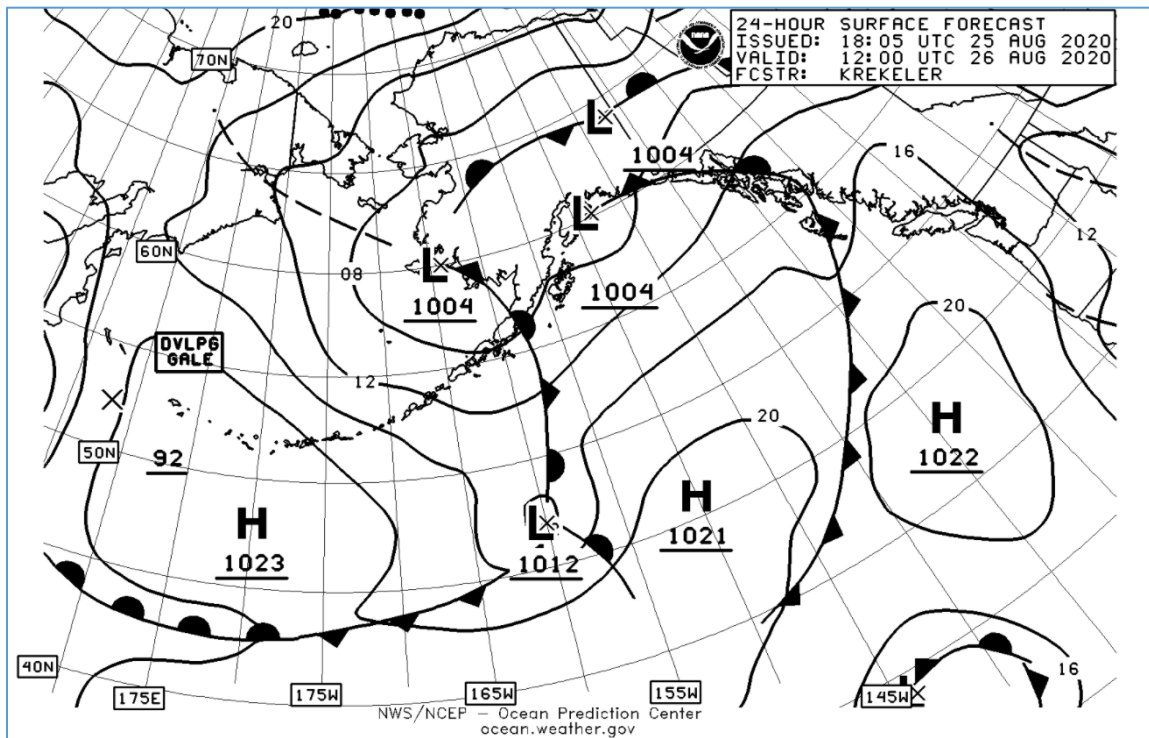


Figure 1 - NWS OPC Alaska 24-hour Surface Forecast valid for 0400 AKDT August 26, 2020.

<sup>1</sup> Gale Force winds of 34 to 47 knots.

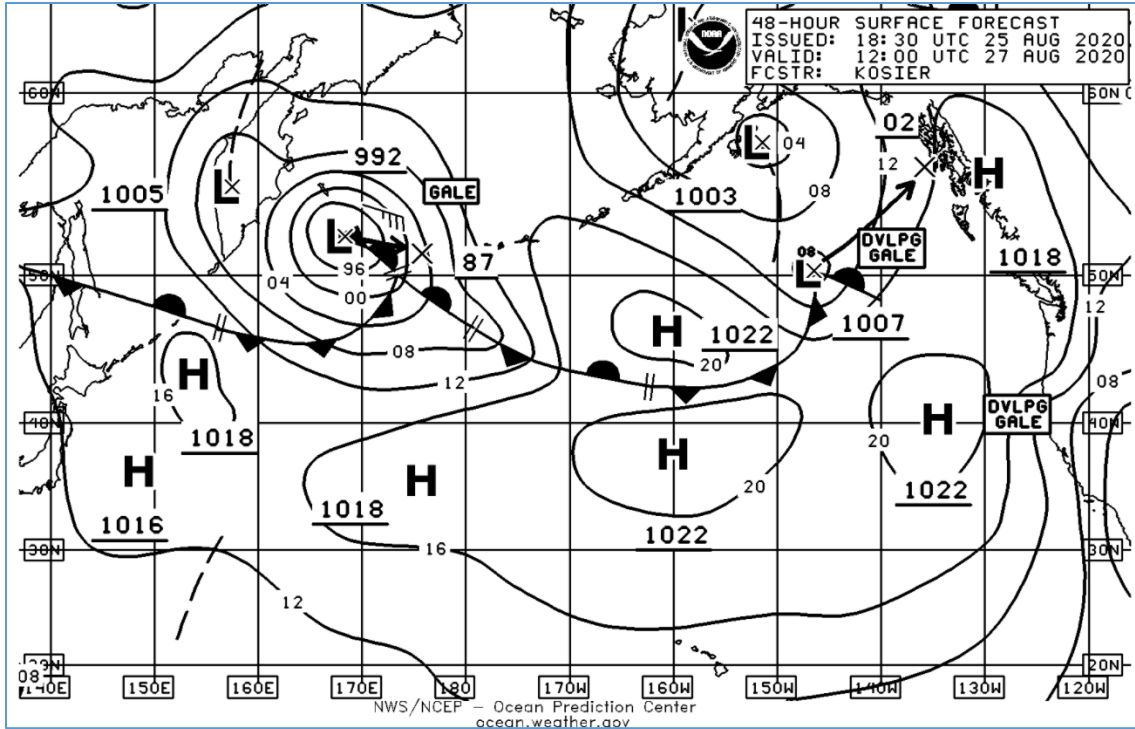


Figure 2 - NWS OPC 48-hour Pacific Surface Forecast valid for 0400 AKDT on August 27, 2020.

**Area Forecast Discussion**

FXAK68 PAFC 251455 CCA  
 AFDAFC  
 Southcentral and Southwest Alaska Forecast Discussion...CORRECTED  
 National Weather Service Anchorage AK  
 655 AM AKDT Tue Aug 25 2020

.MARINE (Days 3 through 5/ Thursday through Saturday)...

A North Pacific low and front moves over the Aleutians and Bering through Sat. Model track and development favor a path for the low south of Aleutians with the front stretching across to the Alaska Peninsula by Sat. **Confidence is good for east to southeast small craft winds and waves with local gales over the Aleutians and Bering through Sat.**

A low in the Western Gulf moves into southeast Alaska and dissipates into an elongated trough across the Northern Gulf through Sat. Expect brief and diminishing periods of easterly small craft winds and waves in the coastal zones for Thu and Fri. The trailing front stretches across the Southern Gulf through Sat. Confidence is good for westerly small craft winds and waves through Sat.

.AFC WATCHES/WARNINGS/ADVISORIES...  
 PUBLIC...NONE.  
 MARINE...NONE.  
 FIRE WEATHER...NONE.

FXAK68 PAFC 260210  
AFDAFC  
Southcentral and Southwest Alaska Forecast Discussion  
National Weather Service Anchorage AK  
610 PM AKDT Tue Aug 25 2020

.SHORT TERM FORECAST SOUTHWEST ALASKA (Days 1 through 3)...

**A 960 mb low pressure system is presently coming ashore over Cape Newenham. This low pressure will continue to bring the area strong winds and periods of rain through Monday morning. High wind warnings remain in effect for Southwest Alaska with the strongest winds in Bristol Bay, along the coast mainly east of Dillingham and from King Salmon and areas southward. Expect the strongest winds to occur from now through this evening. Much of Bristol Bay will see Storm Force winds continuing from now through early Monday especially in eastern portions, however Hurricane force gusts are possible across eastern Bristol Bay. Winds will gradually ease as we head into Monday morning as the low pressure moves inland and weakens.**

*This storm also continue to bring a good amount of rain as it has copious moisture from tropical regions with 1 to 1.5" of rain possible across the Bristol Bay region and near King Salmon and areas northward. Less rain is expected in the YK delta region with up to a half inch in most areas. Rain will decrease Monday and Tuesday as the system moves towards the Interior of Alaska. The steadiest rainfall will occur through the remainder of today into Monday morning before becoming more showery in nature.*

*Coastal flooding remains expected in Bristol Bay due to strong southwesterly onshore flow creating the potential for water levels to rise 2 to 4 feet above highest astronomical tide this evening through Monday morning. Areas with a concave coastline (where the coastline curves into the land) are the most prone to coastal flooding and erosion as the onshore flow will help funnel the water in these areas. Areas with a convex coastline (i.e. Cape Newenham where the land points outward) are less prone to coastal flooding as the water is less likely to funnel with the onshore flow in these regions. A Coastal Flood Advisory remains in effect from 8 PM AKDT this evening through 9 AM AKDT Monday for Cape Constantine to Port Heiden.*

.MARINE (Days 3 through 5/ Thursday through Saturday)...

**A North Pacific low moves across the Aleutians through Saturday. Model confidence during this timeframe has increased and we have introduced gale force winds along the front in the western to central Bering Sea. Confidence begins to waiver Sunday morning. This complex system spins up another low somewhere between 953 and 970 mb. Depending on the strength of this low will determine if winds could potentially reach storm force or even hurricane force per some guidance. Placement varies from outside of the Aleutian waters south of Adak, to north of Adak in the Bering or somewhere in between. The track of this storm by Sunday night remains highly variable landing somewhere between the northeastern Bering or over towards the Alaska Peninsula. All in all, there will be plenty of refinement associated with this system as we go through the week, but mariners in the area should pay close attention.**

*For the Western Gulf, timing, placement and strength of a front associated with a low over the Aleutians is expected Saturday morning sometime into the afternoon. Confidence is limited whether this front will produce small craft or gale force winds as it propagates towards Prince William Sound late Saturday into Sunday.*

### **Zone Forecast**

FPAK52 PAFC 251143  
ZFPALU  
Alaska Zone Weather Forecasts  
National Weather Service Anchorage AK

343 AM AKDT Tue Aug 25 2020

AKZ161-260200-

Bristol Bay- Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point

343 AM AKDT Tue Aug 25 2020

.TODAY...Scattered rain showers in the morning, then numerous rain showers in the afternoon. Highs in the mid 50s to lower 60s. West wind 15 mph.

.TONIGHT...Mostly cloudy with scattered rain showers. Lows in the mid 40s to lower 50s. South wind 15 mph.

.WEDNESDAY...Numerous rain showers in the morning, then widespread rain showers in the afternoon. Highs in the mid 50s to lower 60s. Light winds.

.WEDNESDAY NIGHT...Mostly cloudy with scattered rain showers. Lows in the 40s. Variable wind 10 mph.

.THURSDAY...A chance of rain in the morning, then rain likely in the afternoon. Highs in the mid 50s to mid 60s. variable wind to 10 mph.

.THURSDAY NIGHT...Mostly cloudy with a chance of rain. Lows in the 40s.

.FRIDAY...Partly sunny with a chance of rain. Highs in the 60s.

.FRIDAY NIGHT THROUGH MONDAY...Rain. Lows 45 to 55. Highs 55 to 65.

FPAK52 PAFC 252335

ZFPALU

Alaska Zone Weather Forecasts

National Weather Service Anchorage AK

335 PM AKDT Tue Aug 25 2020

AKZ161-261215-

Bristol Bay-Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point

335 PM AKDT Tue Aug 25 2020

.TONIGHT...Cloudy with scattered rain showers. Lows in the 40s. South wind 15 mph.

.WEDNESDAY...Rain showers. Highs in the lower 50s to lower 60s. Light winds.

.WEDNESDAY NIGHT...Cloudy with a chance of rain showers. Lows in the 40s. Light winds.

.THURSDAY...Mostly cloudy with a chance of rain showers. Highs around 60. Light winds.

.THURSDAY NIGHT...Mostly cloudy. A chance of rain showers in the evening. Lows in the 40s. variable wind to 10 mph.

.FRIDAY...Partly sunny. Highs in the 60s.

.FRIDAY NIGHT THROUGH TUESDAY...Rain. Lows 45 to 55. Highs 55 to 65.

### **Coastal Waters Forecast**

FZAK52 PAFC 251042

CWFALU

Coastal Waters Forecast

National Weather Service Anchorage Alaska

242 AM AKDT Tue Aug 25 2020

Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.

Wind forecasts reflect the predominant speed and direction expected. Sea forecasts represent an average of the highest one-third of the combined wind wave and swell height.

PKZ199-252315-

242 AM AKDT Tue Aug 25 2020

*.SYNOPSIS FOR SOUTHWEST ALASKA+BRISTOL BAY+THE ALASKA PENINSULA WATERS AND THE ALEUTIAN ISLANDS...*

*A 1007 mb low 100 nm north of Saint Matthew Island moves to 50 nm southeast of Cape Newenham at 1004 mb by Wed afternoon. A 995 mb low moves to 200 nm west of Attu Thu morning. Its front tracks across the western Aleutians through Thu.*

*.  
PKZ160-252315-*

*Bristol Bay-*

*242 AM AKDT Tue Aug 25 2020*

*.TODAY...W wind 15 kt. Seas 4 ft.*

*.TONIGHT...SW wind 15 kt. Seas 5 ft. Widespread rain showers.*

*.WED...S wind 10 kt. Seas 5 ft. Rain showers.*

*.WED NIGHT...W wind 15 kt. Seas 5 ft.*

*.THU...W wind 15 kt. Seas 4 ft.*

*.FRI...SE wind 20 kt. Seas 3 ft.*

*.SAT...E wind 25 kt. Seas 6 ft.*

*FZAK52 PAFC 252349*

*CWFALU*

*Coastal Waters Forecast*

*National Weather Service Anchorage Alaska*

*349 PM AKDT Tue Aug 25 2020*

*Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.*

*Wind forecasts reflect the predominant speed and direction expected. Sea forecasts represent an average of the highest one-third of the combined wind wave and swell height.*

*.  
PKZ199-261230-*

*349 PM AKDT Tue Aug 25 2020*

*.SYNOPSIS FOR SOUTHWEST ALASKA+BRISTOL BAY+THE ALASKA PENINSULA WATERS AND THE ALEUTIAN ISLANDS...*

*A 1006 mb low 175 nm northwest of Mekoryuk moves to 20 nm west of Cape Newenham at 1004 mb Wed afternoon before moving inland. A 998 mb low 375 nm west of Shemya Wed afternoon moves to 65 nm southwest of Shemya at 989 mb Thu afternoon.*

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PKZ160-261230-*

*Bristol Bay-*

*349 PM AKDT Tue Aug 25 2020*

*.TONIGHT...SW wind 15 kt. Seas 5 ft. Rain showers.*

*.WED...S wind 15 kt diminishing to 10 kt in the afternoon. Seas 4 ft. Rain showers.*

*.WED NIGHT...W wind 15 kt. Seas 5 ft.*

*.THU...NW wind 15 kt. Seas 4 ft.*

*.THU NIGHT...W wind 10 kt. Seas 4 ft.*

*.FRI...SE wind 20 kt. Seas 3 ft.*

*.SAT...E wind 25 kt. Seas 6 ft.*

*.SUN...S wind 20 kt. Seas 5 ft.*

## August 26, 2020 (Wednesday)

Figures 3-6 are the NWS OPC's Alaska 24-hour, 48-hour, 72-hour, and 96-hour Pacific Surface Forecast valid for 0400 AKDT on August 27 through August 30. The 24-hour forecast depicted a low-pressure system at 992-hPa associated with an occluded front moving eastward and deepening to 989-hPa, with gale force conditions expected. The 48-hour Pacific Surface Forecast the expected 989-hPa low continuing to move east-northeastward and continue to deepen to 988-hPa with gale force conditions over the Aleutian Islands and the Bering Sea with developing gale force conditions near the Bristol Bay area. The 72-hour forecast depicted a low-pressure system at 980-hPa developing south of the other low with developing storm force conditions expected. The NWS OPC 96-hour forecast showed the low-pressure system developing as it moved northeastward with the low at 971-hPa with storm force conditions expected, the low's 24-hour expected motion placed the low in Bristol Bay at 970-hPa.

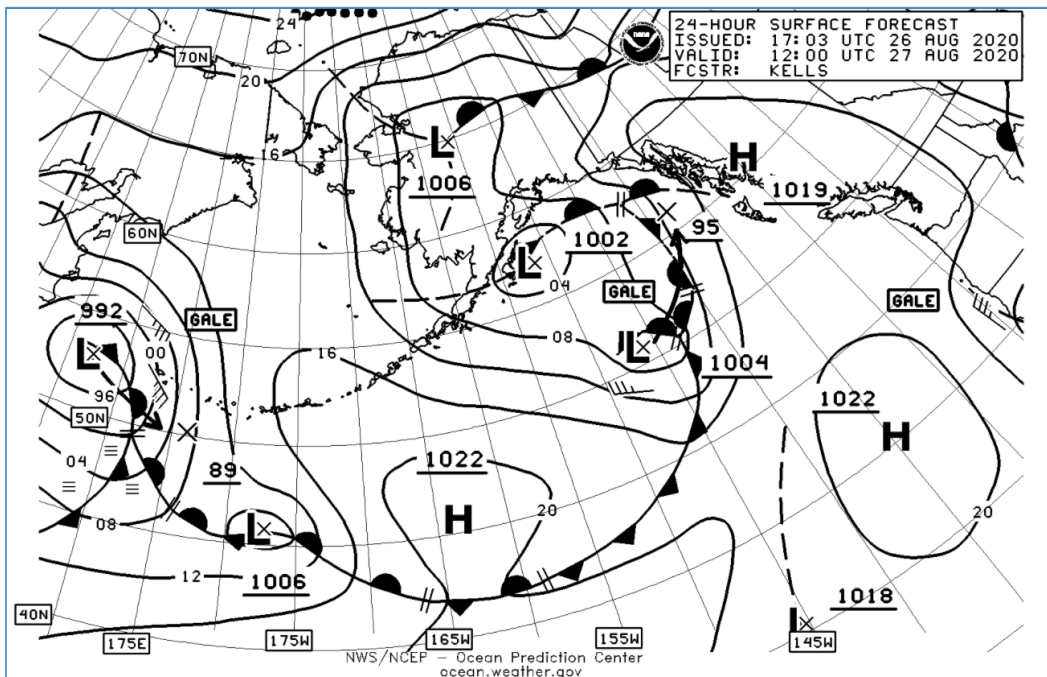


Figure 3 - NWS OPC Alaska 24-hour Surface Forecast valid for 0400 AKDT August 27, 2020.



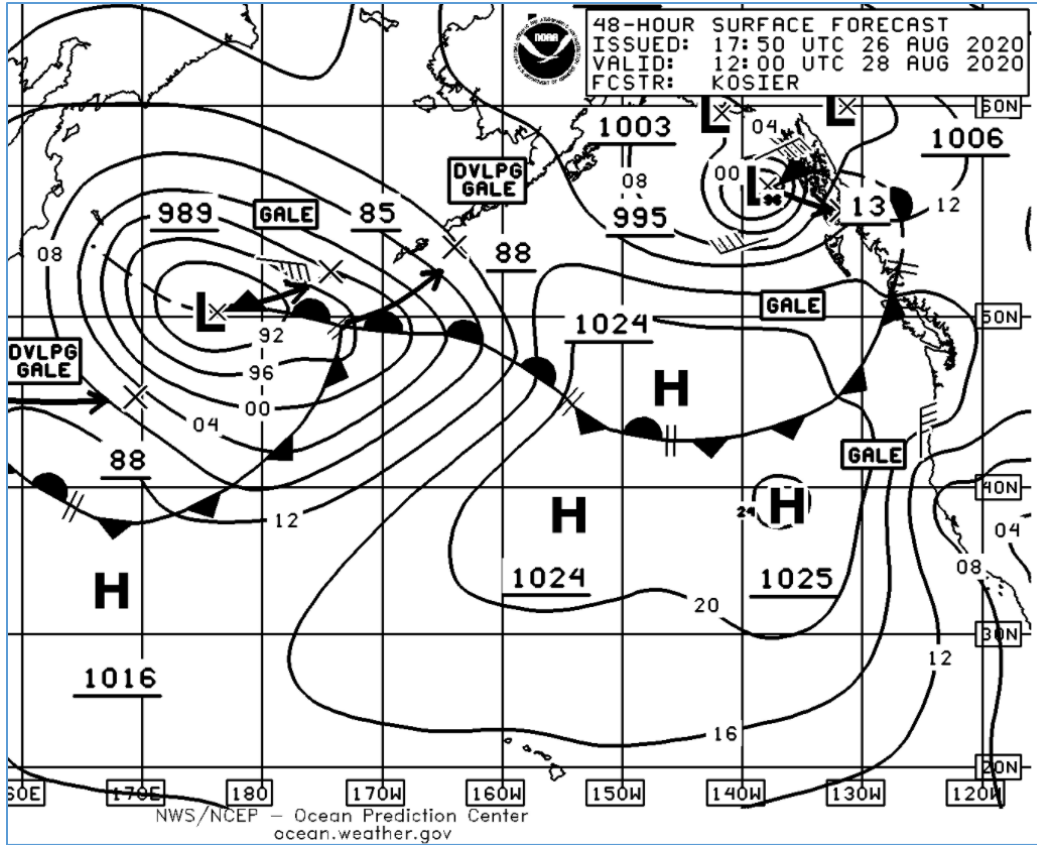


Figure 4 - NWS OPC 48-hour Pacific Surface Forecast valid for 0400 AKDT August 28, 2020.

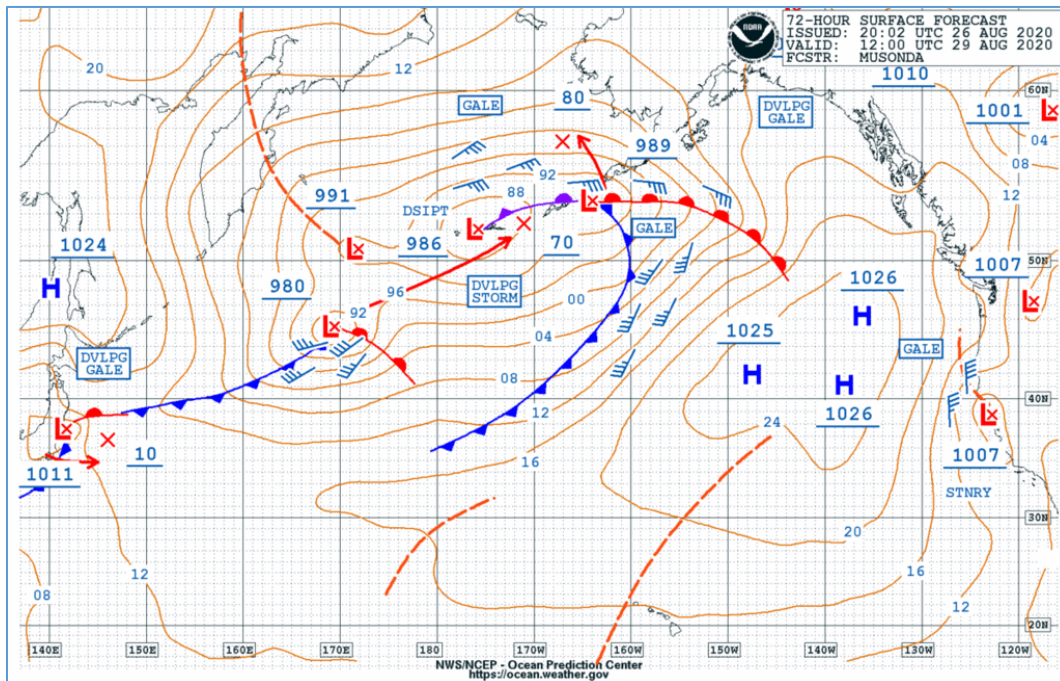


Figure 5 - NWS OPC 72-hour Pacific Surface Forecast valid for 0400 AKDT August 29, 2020.



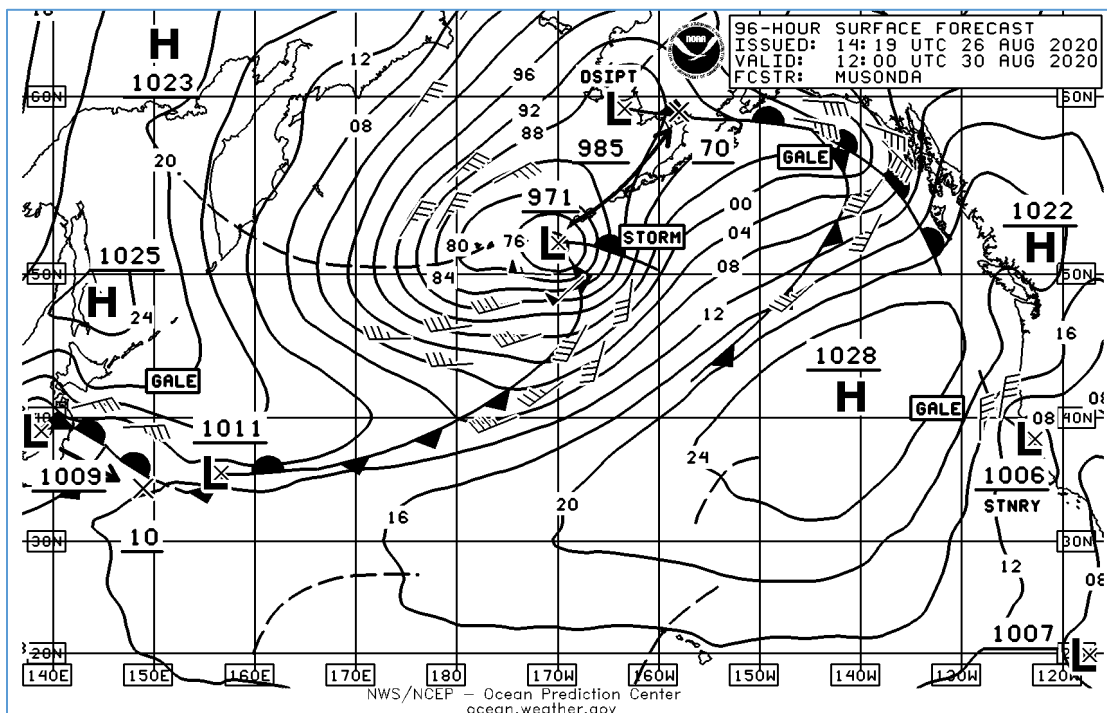


Figure 6 - NWS OPC 96-hour Pacific Surface Forecast valid for 0400 AKDT August 30, 2020

### Area Forecast Discussion

FXAK68 PAF6 261243

AFDAFC

.Southcentral and Southwest Alaska Forecast Discussion

National Weather Service Anchorage AK

443 AM AKDT Wed Aug 26 2020

.MARINE (Days 3 through 5/ Thursday through Saturday)...

A North Pacific low moves across the Aleutians through Saturday. Model confidence during this timeframe has increased and we have introduced gale force winds along the front in the western to central Bering Sea. Confidence begins to waiver Sunday morning. This complex system spins up another low somewhere between 953 and 970 mb. Depending on the strength of this low will determine if winds could potentially reach storm force or even hurricane force per some guidance. Placement varies from outside of the Aleutian waters south of Adak, to north of Adak in the Bering or somewhere in between. The track of this storm by Sunday night remains highly variable landing somewhere between the northeastern Bering or over towards the Alaska Peninsula. All in all, there will be plenty of refinement associated with this system as we go through the week, but mariners in the area should pay close attention.

For the western Gulf, timing, placement and strength of a front associated with a low over the Aleutians is expected Saturday morning sometime into the afternoon. Confidence is limited whether this front will produce small craft or gale force winds as it propagates towards Prince William Sound late Saturday into Sunday.

.AFC WATCHES/WARNINGS/ADVISORIES...

PUBLIC...NONE.

MARINE...Gale Warning: 177 178.  
FIRE WEATHER...NONE.

FXAK68 PAFC 270025  
AFDAFC  
Southcentral and Southwest Alaska Forecast Discussion  
National Weather Service Anchorage AK  
425 PM AKDT Wed Aug 26 2020

.ANALYSIS AND UPPER LEVELS...

*The pattern is slowly starting to change across the state. The 2 primary features this morning are a parent low just west of Western AK and a vertically stacked low over the Northern Gulf. First, the low out west continues to push precipitation and moisture over SW AK. It produced some dense fog this morning over Bristol Bay, which have now yielded to a fairly healthy band of showers. The low over the Gulf of AK continues to produce showers and some gusty winds over the coastal sites. This low will start to lift inland this afternoon leading to more widespread showers. Another weak wave continues to move over the Copper River Basin towards the Susitna Valley courtesy of the broad cyclonic flow. The rest of the Bering Sea remains quiet today with just some patchy low stratus. By the time you get to the Western Aleutians, the next front is just starting to push some steady SE winds into that area.*

.  
**MARINE (Days 3 through 5)...**

**A North Pacific low moves across the Aleutians through Saturday.** Model confidence during this timeframe has remained consistent and gale force winds are expected along the front in the eastern Bering/Aleutians. Confidence begins to waiver Sunday morning. **This complex system spins up another low somewhere between 957 and 968 mb. Depending on the strength of this low will determine if winds could potentially reach storm force or even hurricane force per some guidance. As of now, high end gales are being forecasted.** Placement varies from over Dutch Harbor to just south of Saint Paul with various locations in between not outside the realm of possibility. The track of this storm through Monday remains highly variable landing somewhere between the northeastern Bering or crossing the Alaska Peninsula. All in all, there will be plenty of refinement associated with this system as we go through the week, but mariners in the area should pay close attention.

*For the Western Gulf, timing of a front associated with a low over the Aleutians is in better agreement today, expected Saturday morning. Confidence is limited in regards to strength and progression across the Gulf. Small craft to gale force winds are possible as it propagates towards Prince William Sound late Saturday into Sunday. Behind this front, confidence is reduced as the track of the low, and its strength, remain in question. If the storm tracks across the Alaska Peninsula, it could bring up to storm force winds into the Gulf Monday.*

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.AFC WATCHES/WARNINGS/ADVISORIES...

PUBLIC...NONE.

**MARINE...Gale Warning: 177 178 411.**

FIRE WEATHER...NONE.

### **Zone Forecasts**

FPAK51 PAFC 260339 AAA  
ZFPAER  
Alaska Zone Weather Forecasts...UPDATED  
National Weather Service Anchorage AK  
329 AM AKDT Wed Aug 26 2020.

AKZ161-270015-

Bristol Bay-Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point  
817 AM AKDT Wed Aug 26 2020

.REST OF TODAY...patchy morning fog. Scattered rain showers in the morning, then numerous rain showers in the afternoon. Visibility one quarter mile or less at times in the morning. Highs in the lower 50s to lower 60s. variable wind to 10 mph.

.TONIGHT...Cloudy with scattered rain showers. Lows in the 40s. Variable wind 10 mph.

.THURSDAY...Mostly cloudy with scattered rain showers. Highs around 60. Variable wind 10 mph.

.THURSDAY NIGHT...Mostly cloudy with scattered rain showers. Lows in the 40s. Light winds.

.FRIDAY...Partly sunny. A slight chance of rain in the afternoon. Highs in the upper 50s to mid 60s. Light winds.

.FRIDAY NIGHT...Mostly cloudy with a slight chance of rain. Lows in the 40s.

.SATURDAY THROUGH MONDAY NIGHT...Rain. Highs 55 to 65. Lows 45 to 55.

.TUESDAY...Cloudy with a chance of rain. Highs 55 to 65.

FPAK52 PAFC 262356

ZFPALU

Alaska Zone Weather Forecasts

National Weather Service Anchorage AK

356 PM AKDT Wed Aug 26 2020

AKZ161-271215-

Bristol Bay- Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point  
356 PM AKDT Wed Aug 26 2020

.TONIGHT...Cloudy. Scattered rain showers and isolated thunderstorms in the evening, then scattered rain showers after midnight. Lows in the 40s. Variable wind 10 mph.

.THURSDAY...Cloudy with scattered rain showers. Highs in the mid 50s to lower 60s. Variable wind 10 mph.

.THURSDAY NIGHT...Mostly cloudy. Scattered rain showers in the evening. Lows in the 40s. Light winds.

.FRIDAY...Partly sunny. Highs in the upper 50s to mid 60s. variable wind to 10 mph.

.FRIDAY NIGHT...Partly cloudy in the evening, then mostly cloudy with a chance of rain after midnight. Lows in the mid 40s to lower 50s. East wind 15 mph.

.SATURDAY...Rain. Highs in the 50s.

.SATURDAY NIGHT THROUGH MONDAY NIGHT...Rain. Lows 45 to 55. Highs 55 to 65.

.TUESDAY...Cloudy with a chance of rain. Highs 55 to 65.

.TUESDAY NIGHT AND WEDNESDAY...Mostly cloudy with a chance of rain. Lows in the 40s. Highs in the 50s.

### **Coastal Waters Forecast**

FZAK52 PAFC 262354

CWFALU

Coastal Waters Forecast

National Weather Service Anchorage Alaska

354 PM AKDT Wed Aug 26 2020

Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.

Wind forecasts reflect the predominant speed and direction expected. Sea forecasts represent an average of the highest one-third of the combined wind wave and swell height.

PKZ199-271315-

354 PM AKDT Wed Aug 26 2020

.SYNOPSIS FOR SOUTHWEST ALASKA+BRISTOL BAY+THE ALASKA PENINSULA WATERS AND THE ALEUTIAN ISLANDS...

A 1004 mb low 40 nm west of Cape Newenham moves southeast before crossing the Alaska Peninsula Thu afternoon.  
A 998 mb low 435 nm west of Shemya moves to 120 nm southwest of Shemya at 992 mb Thu afternoon and then moves to 185 nm southwest of Adak at 988 mb Fri afternoon.

PKZ160-271315-

Bristol Bay-

354 PM AKDT Wed Aug 26 2020

.TONIGHT...NW wind 15 kt. Seas 5 ft.

.THU...N wind 15 kt becoming NW in the afternoon. Seas 4 ft.

.THU NIGHT...W wind 15 kt. Seas 4 ft.

.FRI...W wind 10 kt. Seas 3 ft.

.FRI NIGHT...E wind 20 kt. Seas 3 ft.

.SAT THROUGH SUN...S wind 40 kt. Seas 8 ft.

.MON...SW wind 40 kt. Seas 10 ft.

Figure 7 is the NWS OPC Alaska 24-hour Surface Forecast issued at 2237 AKDT August 26, 2020, and valid for 1600 AKDT on August 27, 2020. The chart depicted the low-pressure system at 990-hPa with gale force conditions expected to move eastward and deepen to 987-hPa. Developing gale force conditions was depicted over the Aleutian Islands.

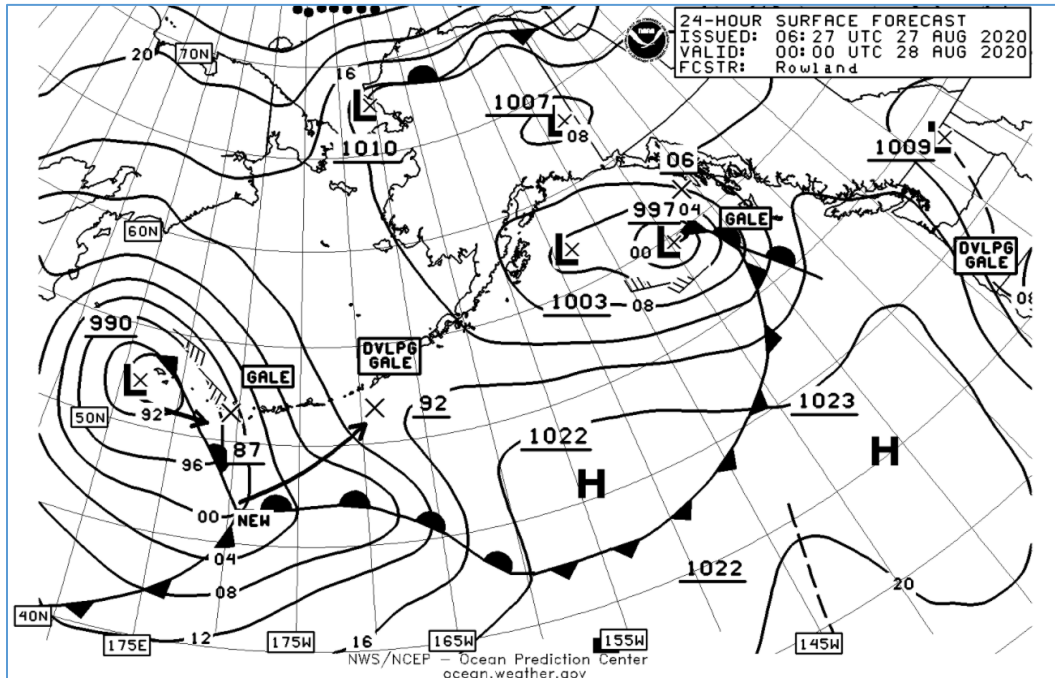


Figure 7 - NWS OPC Alaska 24-hour Surface Forecast issued at 2200 AKDT on August 26, 2020, and valid for 1600 AKDT August 27, 2020.

Figure 8 is the 48-hour Pacific Surface Forecast issued at 2200 AKDT on August 26, 2020, and valid for 1600 AKDT on August 28, 2020. The chart depicted the main low-pressure system at 987-hPa at the end

of the occluded front, with a new low-pressure system developing at the triple point at 992-hPa. That new low-pressure system was depicted moving towards Bristol Bay and deepening to 990-hPa with gale force conditions.

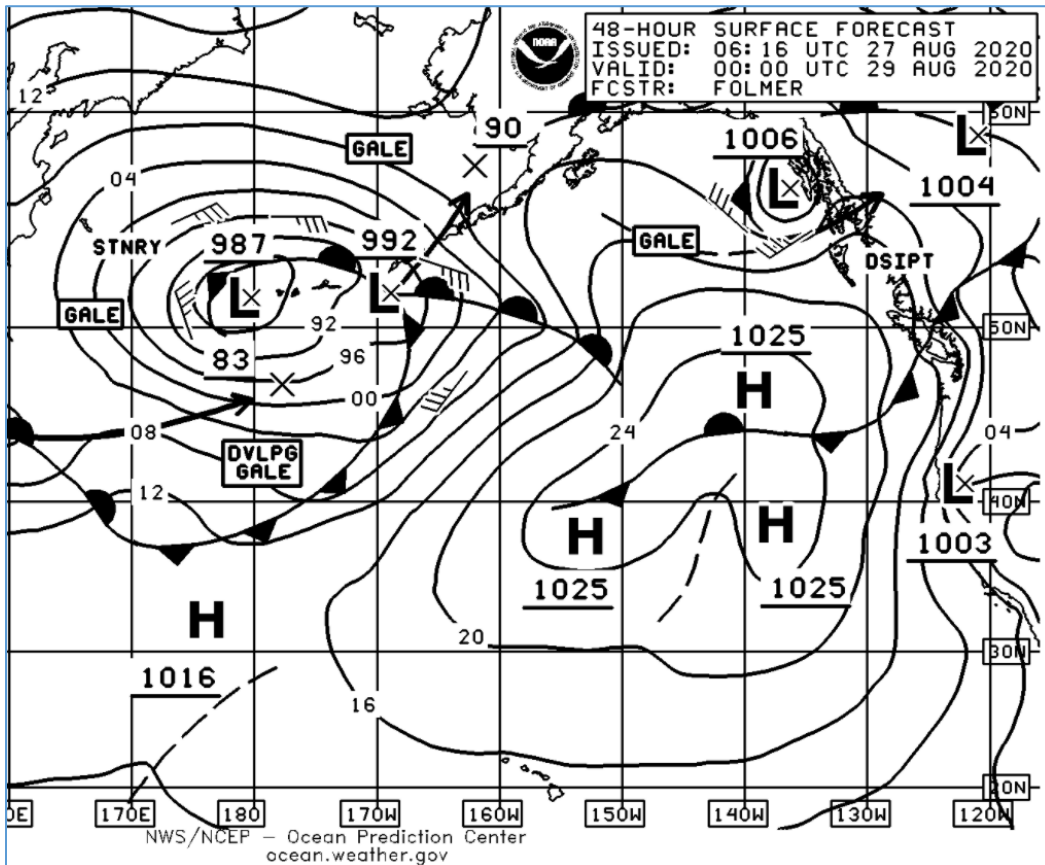


Figure 8 - NWS OPC 48-hour Pacific Surface Forecast issued at 2200 AKDT on August 26, 2020, and valid for 1600 AKDT August 28, 2020.

Figure 9 is the NWS OPC 72-hour Pacific Surface Forecast depicting the low-pressure system and associated occluded frontal system at 967-hPa moving towards the Bristol Bay area with storm force<sup>2</sup> conditions associated with the system.

<sup>2</sup> Storm force conditions with sustained winds or frequent gusts, in the range of 48 to 63 knots (55 to 73 mph).

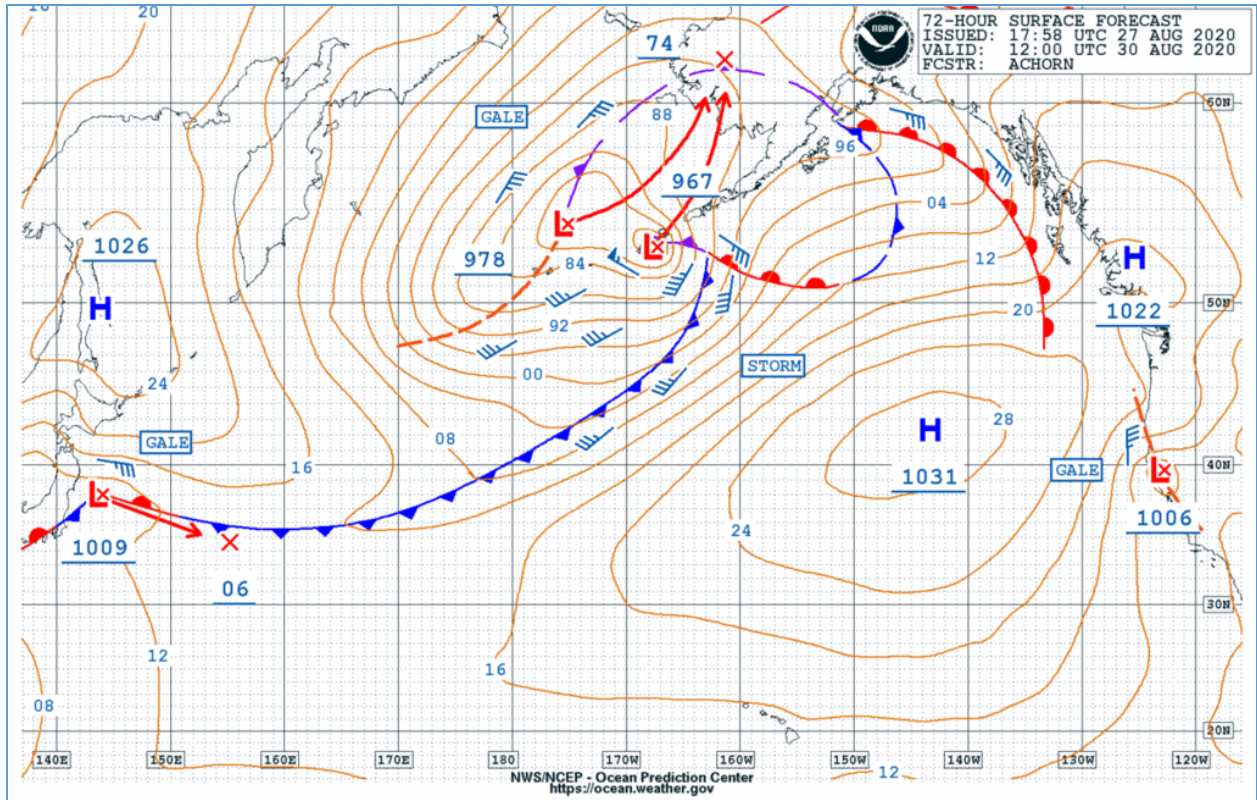


Figure 9 - NWS OPC 72-hour Surface Forecast valid for 0400 AKDT on August 30, 2020.



## August 27, 2020 (Thursday)

Figure 10 is the NWS OPC Alaska 24-hour Surface Forecast issued at 0955 AKDT on August 27, 2020, and valid for 0400 AKDT on August 28, 2020. The chart depicted the low-pressure system at 986-hPa with the associated occluded front with gale force conditions, continuing to move eastward and expected to strengthen to 983-hPa near the western tip of the Aleutian Islands. Another low-pressure system at 1002-hPa was impacting the northern Gulf of Alaska and southeast Alaska with gale force conditions.

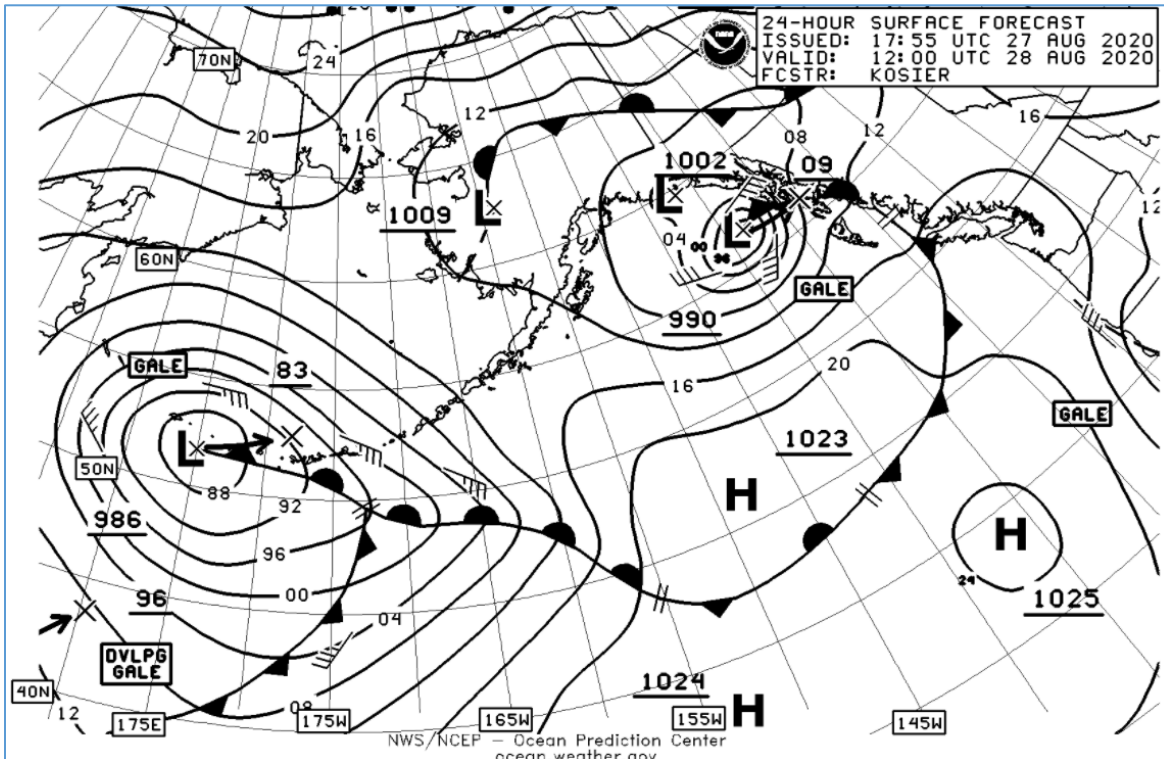


Figure 10 – NWS OPC Alaska 24-hour Surface Forecast issued at 0955 AKDT and valid for 0400 AKDT on August 28, 2020.

Figure 11 is the NWS OPC 48-hour Pacific Forecast issued at 0935 AKDT and valid for 0400 AKDT on August 29, 2020. The chart depicted the low-pressure system at 983-hPa expected to move northeastward and deepen to 978-hPa with gale force conditions. Another low-pressure system was depicted associated with a frontal wave following the main low at 996-hPa and rapidly deepen to 967-hPa with developing Storm force conditions.

Figure 12 is the NWS OPC 72-hour Pacific Surface Forecast issued at 1030 AKDT and valid for 0400 AKDT on August 30, 2020. The chart depicted the developing low-pressure system at 967-hPa expected to move north-northeast into the Bristol Bay area with storm force conditions.



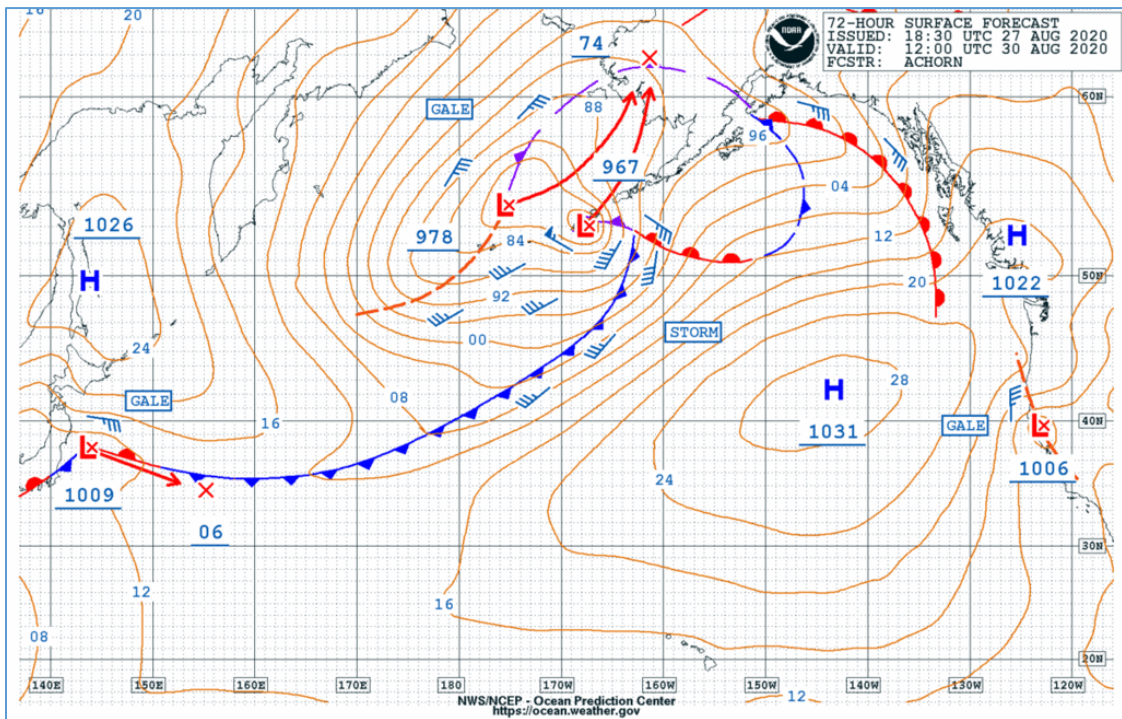
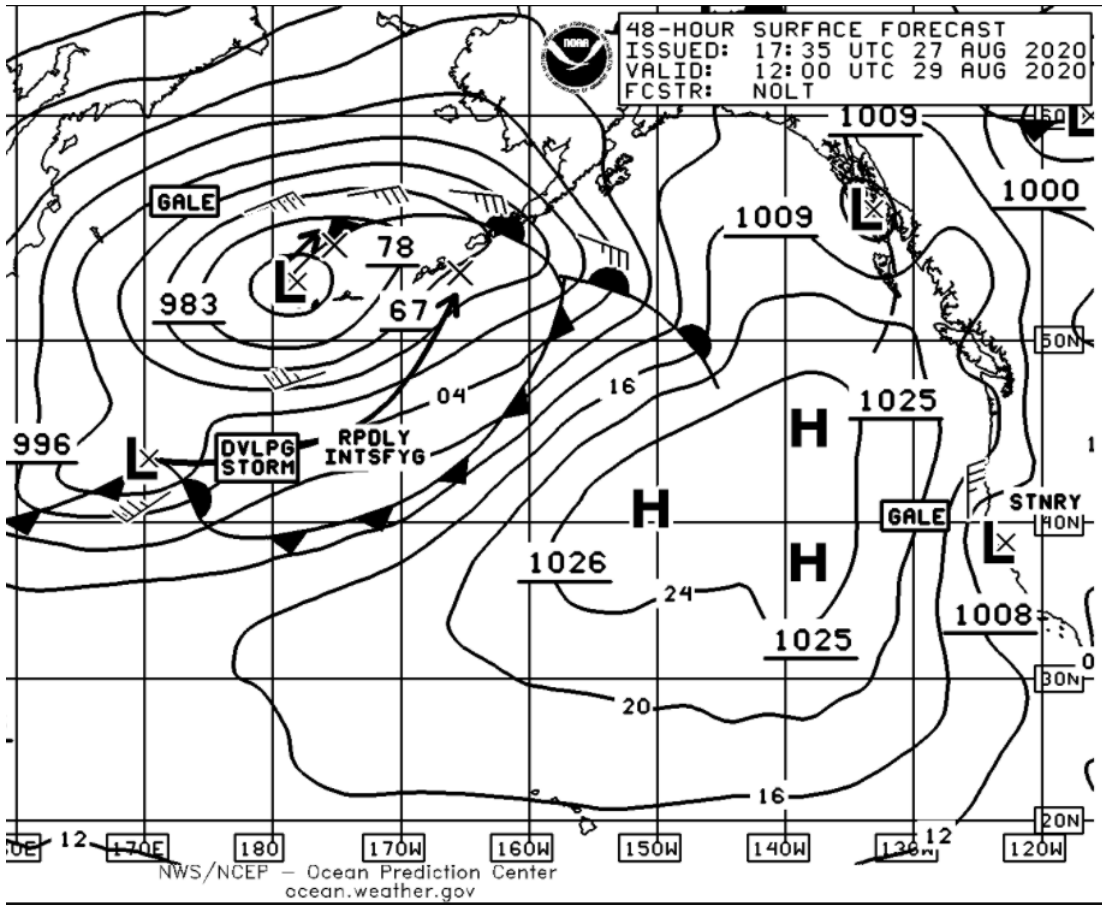


Figure 12 - NWS OPC 72-hour Pacific Surface Forecast valid for 0400 AKDT on August 30, 2020.

## Area Forecast Discussion

FXAK68 PAFC 271424

AFDAFC

Southcentral and Southwest Alaska Forecast Discussion

National Weather Service Anchorage AK

624 AM AKDT Thu Aug 27 2020

.ANALYSIS AND UPPER LEVELS...

**A 120 kt upper level jet extending from the Sea of Okhotsk into the North Pacific is leading to the intensification of an upper level low near the western Aleutians. This is likewise strengthening the surface low and associated front as it tracks across the Chain. Southerly gale force winds and moderate rain are likely.** An upper ridge remains in place over the central Bering/Aleutians with the usual patchy fog/low stratus accompanying it, but is otherwise quiet there. Farther east, a large upper low is centered just south of Kodiak Island. It is not deepening as the upper jet core is well to the south, however its series of shortwaves in conjunction with the surface low will continue to bring rain along the Gulf Coast today. Downsloped areas and locations farther north away from higher terrain should remain mostly dry.

.SHORT TERM FORECAST SOUTHWEST ALASKA (Days 1 through 3: Thursday through Saturday)...

Some showers continue to linger in Southwest Alaska, circulating around the backside of low pressure that is now centered just south of Kodiak Island. As this low continues to move slowly away from Southwest AK, we can expect most showers to clear out. Enough instability remains where showers will likely fire over areas of elevated terrain and the Y-K Delta. Ridging responsible for this break in the weather is only transitory, moving in from the Eastern Bering and exiting on Saturday. The next round of weather arrives Saturday on the heels of this ridge in the form a front moving in from the Eastern Bering. **This means rain and increased winds for Southwest AK over the weekend.**

.MARINE (Days 3 through 5/Saturday through Monday)...

A North Pacific low moves across the Aleutians through Saturday. Model confidence during this timeframe has remained consistent and gale force winds are expected along the front in the eastern Bering/Aleutians. Confidence begins to waiver Sunday morning. **This complex system spins up another low somewhere between 957 and 968 mb. Depending on the strength of this low will determine if winds could potentially reach storm force or even hurricane force per some guidance. As of now, high end gales are being forecasted.** Placement varies from over Dutch Harbor to just south of Saint Paul with various locations in between not outside the realm of possibility. The track of this storm through Monday remains highly variable landing somewhere between the northeastern Bering or crossing the Alaska Peninsula. All in all, there will be plenty of refinement associated with this system as we go through the week, but mariners in the area should pay close attention.

.AFC WATCHES/WARNINGS/ADVISORIES...

PUBLIC...NONE.

**MARINE...Gales 177 178 411 413.**

FIRE WEATHER...NONE.

## Zone Forecast

AKZ161-280015-

Bristol Bay-

Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point

534 AM AKDT Thu Aug 27 2020

.TODAY...Cloudy with scattered rain showers. Highs in the mid 50s to lower 60s. Variable wind 10 mph.  
.TONIGHT...Mostly cloudy. Scattered rain showers in the evening. Lows in the 40s. Light winds.  
.FRIDAY...Partly sunny. Highs in the upper 50s to mid 60s. variable wind to 10 mph.  
.FRIDAY NIGHT...Partly cloudy in the evening, then mostly cloudy with a chance of rain after midnight. Lows in the mid 40s to lower 50s. East wind 15 mph.  
**.SATURDAY...Rain. Highs in the mid 50s to lower 60s. East wind 20 to 35 mph. Gusts to 50 mph in the afternoon.**  
.SATURDAY NIGHT...Rain. Lows 45 to 55.  
.SUNDAY THROUGH MONDAY NIGHT...Rain. Highs 55 to 65. Lows 45 to 55.  
.TUESDAY THROUGH WEDNESDAY...Mostly cloudy with a chance of rain. Highs in the 50s. Lows in the 40s.

### **Coastal Waters Forecast**

FZAK52 PAFC 272342  
CWFALU  
Coastal Waters Forecast  
National Weather Service Anchorage Alaska  
342 PM AKDT Thu Aug 27 2020

Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.

Wind forecasts reflect the predominant speed and direction expected. Sea forecasts represent an average of the highest one-third of the combined wind wave and swell height.

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PKZ199-281230-  
342 PM AKDT Thu Aug 27 2020  
.SYNOPSIS FOR SOUTHWEST ALASKA+BRISTOL BAY+THE ALASKA PENINSULA WATERS AND THE ALEUTIAN ISLANDS...

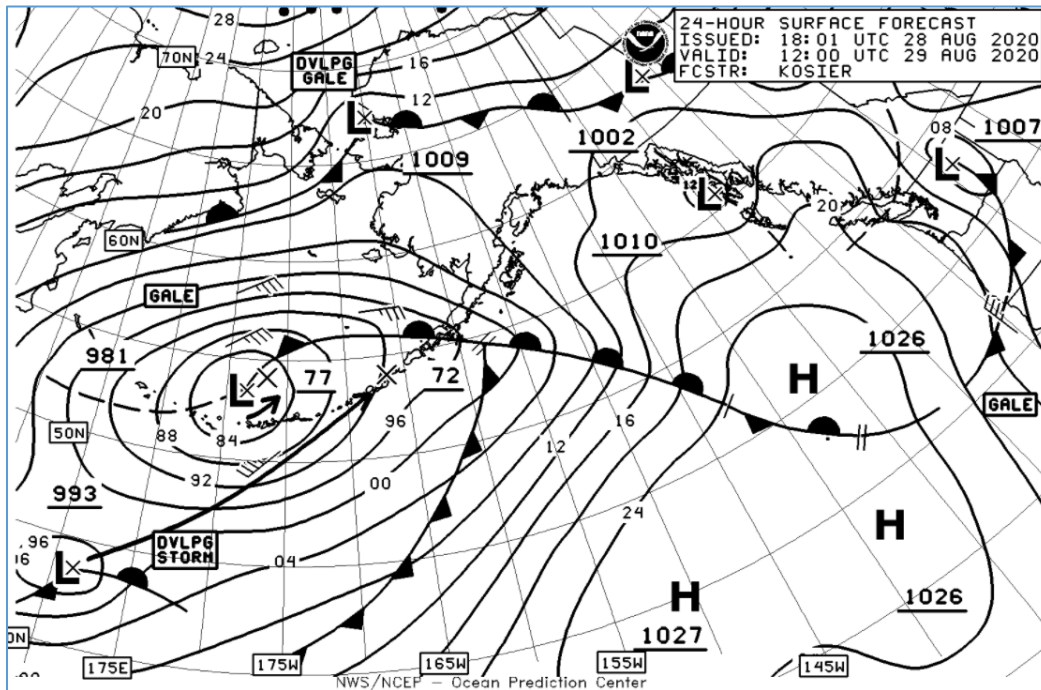
A 990 mb low 35 nm west of Shemya moves to 130 nm northwest of Adak at 986 mb Fri afternoon and then remains nearly stationary through Sat afternoon.

.  
PKZ160-281230-  
Bristol Bay-  
342 PM AKDT Thu Aug 27 2020

.TONIGHT...W wind 15 kt diminishing to 10 kt after midnight. Seas 3 ft.  
.FRI...W wind 10 kt in the morning becoming variable less than 10 kt. Seas 3 ft.  
.FRI NIGHT...E wind 20 kt. Seas 3 ft.  
.SAT...E wind 35 kt. Seas 8 ft.  
.SAT NIGHT...S wind 20 kt. Seas 4 ft.  
**.SUN...S wind 40 kt. Seas 12 ft.**  
.MON...SW wind 30 kt. Seas 12 ft.  
.TUE...W wind 30 kt. Seas 8 ft.

**August 28, 2020 (Friday)**

Figure 13 is the NWS OPC Alaska 24-hour Surface Forecast issued at 1001 AKDT and valid for 0400 AKDT on August 29, 2020. The chart depicted the low-pressure system associated with he occluded front at 981-hPa and expected to deepen to 977-hPa, with another low-pressure system rapidly developing at 993-hPa and expected to strengthen to 972-hPa east of the other low's position with developing storm force conditions.



*Figure 13 - NWS OPC Alaska 24-hour Surface Forecast valid for 0400 AKDT August 29, 2020.*

Figure 14 is the NWS OPC's 48-hour Pacific Surface Forecast issued near the same period as the Alaska forecast and valid for 0400 AKDT on August 30, 2020. The full low-pressure system having deepened to 972-hPa and moving into the Bristol Bay area with storm force conditions. With Figure 15 the NWS OPC 72-hour Pacific Surface Forecast valid for 0400 AKDT on August 31, 2020, with the low-pressure system having moved inland at 976-hPa with gale force conditions behind the low.



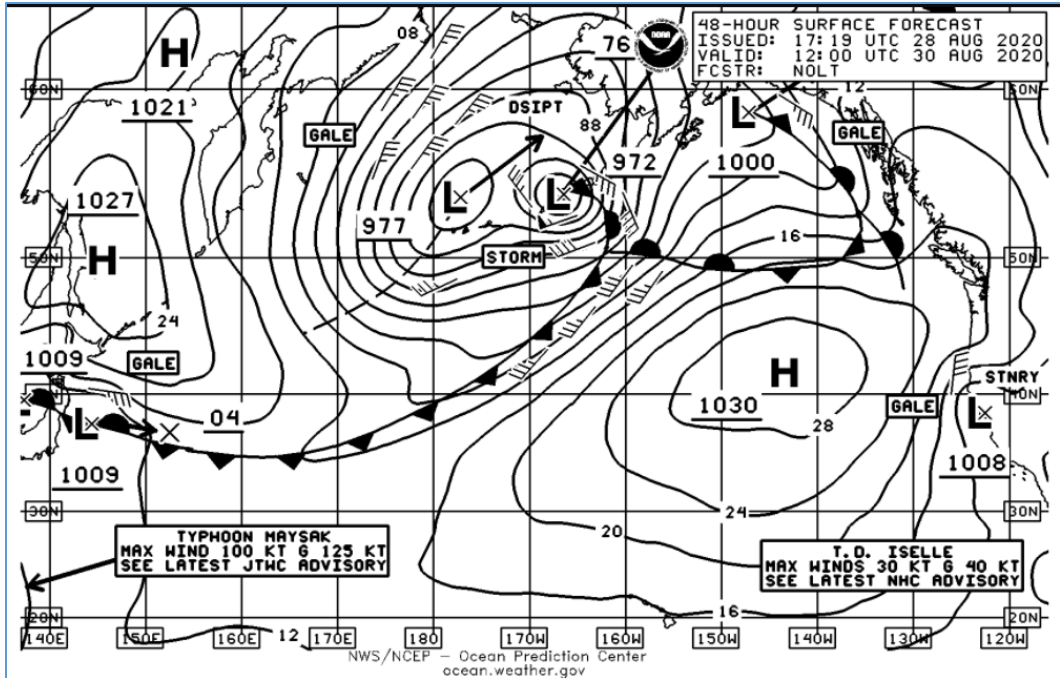


Figure 14 - NWS OPC 48-hour Pacific Surface Forecast valid for 0400 AKDT on August 30, 2020.

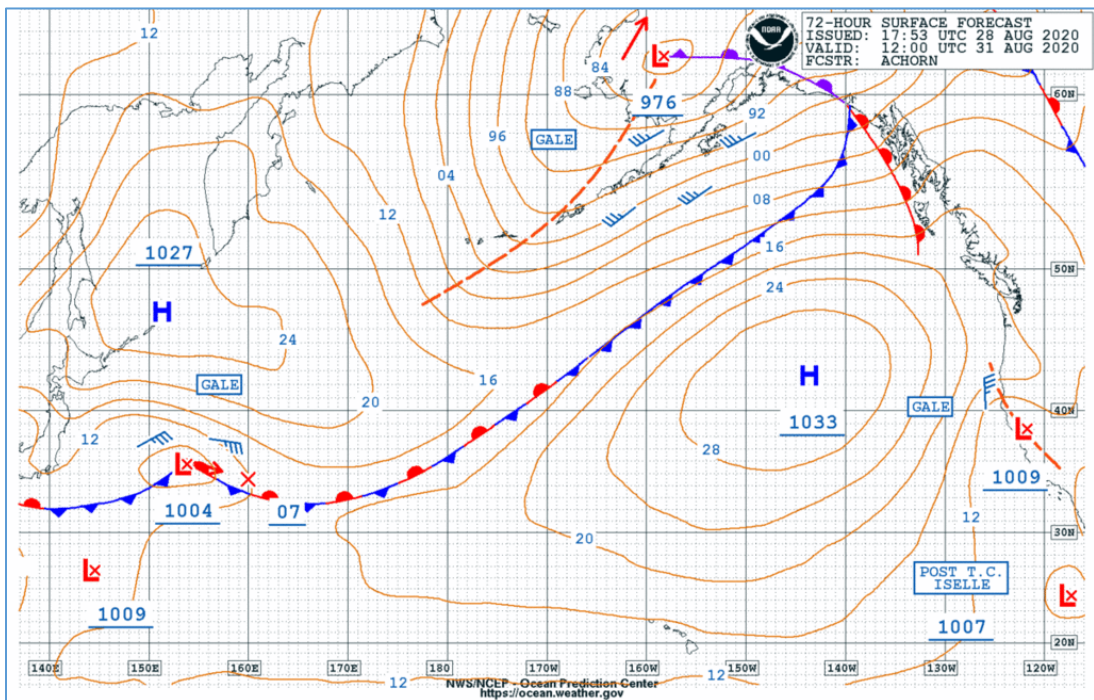


Figure 15 - NWS OPC 72-hour Pacific Surface Forecast valid for 0400 AKDT on August 31, 2020.

**Area Forecast Discussion**

FXAK68 PAFC 281330

AFDAFC

Southcentral and Southwest Alaska Forecast Discussion

National Weather Service Anchorage AK

530 AM AKDT Fri Aug 28 2020

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.  
.SHORT TERM FORECAST BERING SEA/ALEUTIANS (Days 1 through 3:  
Friday through Sunday)...

A weak frontal system continues to push east through the Bering Sea/Aleutians Islands. Satellite shows this system currently in the Central Aleutians. It is expected to push east and into Southwest AK tomorrow, bringing weak gale force winds as it goes.

**Saturday night into Sunday a stronger storm will develop over the Central Aleutians, with storm force winds forecasted with this low. This low looks to be the and early arrival of the first big low of the fall storm season, A couple changes made to the forecast tonight were to extend low end storm force winds into Bristol bay and increase wave heights to accompany the stronger winds. The NAM and the GFS have at least decent agreement on this. However, models are still moving the low track around and still getting honed in on it. So, while there is growing confidence in the forecast, right now confidence is moderate. More updates will certainly be made to the forecast, so stay tuned in coming days.**

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.MARINE (Days 3 through 5/Sunday through Tuesday)...

Model confidence has increased with a low approaching Bristol Bay Sunday afternoon. **The strength of this storm will produce storm force winds**, along the southern periphery of the low, south of the eastern Aleutians. There is some uncertainty beyond this, with the potential track up towards the northeast and gales across the western Gulf Monday. After that, a fairly benign wind pattern is expected across the Gulf and the Bering Sea for the remainder of the forecast period. **All in all, there will be plenty of refinement associated with the latter part of this system as we head towards the weekend, but mariners in the area should pay close attention.**

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.AFC WATCHES/WARNINGS/ADVISORIES...

PUBLIC...NONE.

**MARINE...Gale Warning:** 120 130-132 160 170 173 175 351 411-413.

FIRE WEATHER...NONE.

FXAK68 PAFC 290105

AFDAFC

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Southcentral and Southwest Alaska Forecast Discussion

National Weather Service Anchorage AK

505 PM AKDT Fri Aug 28 2020

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.ANALYSIS AND UPPER LEVELS...

A strong low near the western Aleutians had a frontal zone extending to the eastern Aleutians and then south to over north Pacific. Strong easterly winds were observed on the leading edge of the frontal zone and on the northern and western periphery of the low.

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.SHORT TERM FORECAST BERING SEA/ALEUTIANS (Days 1 through 3)...

**The first large storm system of the season is expected to form in the western Bering Saturday night as the post-tropical remnants of Typhoon Bavi merge with an upper level low. This will result in a rapidly strengthening low pressure system that is expected to track eastward into Bristol Bay by Sunday afternoon. Widespread gale force winds are expected with this storm with areas of storm force winds along the central to eastern Aleutians and Bristol Bay Saturday night through Sunday afternoon. In addition to storm force winds, high seas between 20-25ft are expected south of the Aleutians as storm force winds combined with large fetch will create favorable conditions for high seas to build. These seas can be locally higher at times as the west-southwesterly winds and primary swell will oppose the east-northeasterly currents which can locally stack the seas and shorten the wave**

**periods.** Winds may also be locally higher in the bays and passes along the Aleutian Chain ahead of the center of the low as those gaps are prone to funneling from the south. Winds will then gradually ease from west to east across the Bering/Aleutians Sunday afternoon onward. Seas will also gradually abate from west to east Sunday afternoon onward.

This storm will also bring ample rainfall in the Aleutians with the highest rainfall amounts expected in the Central to Eastern Aleutians on the windward side of the mountains.

.AFC WATCHES/WARNINGS/ADVISORIES...

PUBLIC...Coastal Flood Watch: 161.

**MARINE...Storm Warning: 172**

**Gale Warning: 119 130-132 155 160 170 173 174 176 178 179 351-352 411-414.**

FIRE WEATHER...NONE.

### **Zone Forecast**

FPAK52 PAFC 281214

ZFPALU

Alaska Zone Weather Forecasts

National Weather Service Anchorage AK

414 AM AKDT Fri Aug 28 2020

AKZ161-290015-

Bristol Bay- Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point

414 AM AKDT Fri Aug 28 2020

### **...STRONG WIND SATURDAY AFTERNOON THROUGH SATURDAY NIGHT...**

.TODAY...Partly sunny. Highs in the lower to mid 60s. Light winds.

.TONIGHT...Mostly cloudy. A slight chance of rain after midnight. Lows in the mid 40s to lower 50s. Variable wind 10 mph except east 10 to 20 mph along the Western Capes.

.SATURDAY...A chance of rain in the morning, then rain in the afternoon. Highs in the 50s. East wind 15 to 30 mph. Gusts to 50 mph in the afternoon.

**.SATURDAY NIGHT...Rain in the evening, then widespread rain showers after midnight. Lows around 50. Southeast wind 15 to 30 mph. Gusts to 50 mph in the evening.**

**.SUNDAY...Widespread rain showers in the morning, then rain in the afternoon. Highs in the mid 50s to lower 60s. Southeast wind 10 to 20 mph with gusts to 40 mph increasing to 20 to 35 mph with gusts to 50 mph in the afternoon.**

.SUNDAY NIGHT...Rain. Lows 45 to 55.

.MONDAY...Rain. Highs 55 to 65.

.MONDAY NIGHT AND TUESDAY...Mostly cloudy with a chance of rain. Lows 45 to 55. Highs 55 to 65.

.TUESDAY NIGHT THROUGH THURSDAY...Mostly cloudy with a chance of rain. Lows in the 40s. Highs in the 50s.

FPAK52 PAFC 281214

ZFPALU

Alaska Zone Weather Forecasts

National Weather Service Anchorage AK

414 AM AKDT Fri Aug 28 2020

AKZ161-290015-

Bristol Bay-Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point



414 AM AKDT Fri Aug 28 2020

**...STRONG WIND SATURDAY AFTERNOON THROUGH SATURDAY NIGHT...**

.TODAY...Partly sunny. Highs in the lower to mid 60s. Light winds.

.TONIGHT...Mostly cloudy. A slight chance of rain after midnight. Lows in the mid 40s to lower 50s. Variable wind 10 mph except east 10 to 20 mph along the Western Capes.

.SATURDAY...A chance of rain in the morning, then rain in the afternoon. Highs in the 50s. East wind 15 to 30 mph. Gusts to 50 mph in the afternoon.

**.SATURDAY NIGHT...Rain in the evening, then widespread rain showers after midnight. Lows around 50. Southeast wind 15 to 30 mph. Gusts to 50 mph in the evening.**

**.SUNDAY...Widespread rain showers in the morning, then rain in the afternoon. Highs in the mid 50s to lower 60s. Southeast wind 10 to 20 mph with gusts to 40 mph increasing to 20 to 35 mph with gusts to 50 mph in the afternoon.**

.SUNDAY NIGHT...Rain. Lows 45 to 55.

.MONDAY...Rain. Highs 55 to 65.

.MONDAY NIGHT AND TUESDAY...Mostly cloudy with a chance of rain. Lows 45 to 55. Highs 55 to 65.

.TUESDAY NIGHT THROUGH THURSDAY...Mostly cloudy with a chance of rain. Lows in the 40s. Highs in the 50s.

FPAK52 PAFC 281926 AAA

ZFPALU

Alaska Zone Weather Forecasts...UPDATED

National Weather Service Anchorage AK

1126 AM AKDT Fri Aug 28 2020

AKZ161-290015-

Bristol Bay- Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point

1126 AM AKDT Fri Aug 28 2020

**...COASTAL FLOOD WATCH IN EFFECT FROM SUNDAY EVENING THROUGH MONDAY MORNING FROM TOGIAK TO PORT HEIDEN...**

**...STRONG WIND SATURDAY AFTERNOON THROUGH SATURDAY NIGHT...**

.REST OF TODAY...Partly sunny. Highs in the lower to mid 60s. Light winds.

.TONIGHT...Mostly cloudy. A slight chance of rain after midnight. Lows in the mid 40s to lower 50s. Variable wind 10 mph except east 10 to 20 mph along the Western Capes.

.SATURDAY...A chance of rain in the morning, then rain in the afternoon. Highs in the 50s. East wind 15 to 30 mph. Gusts to 50 mph in the afternoon.

**.SATURDAY NIGHT...Rain in the evening, then widespread rain showers after midnight. Lows around 50. Southeast wind 15 to 30 mph. Gusts to 50 mph in the evening.**

**.SUNDAY...Widespread rain showers in the morning, then rain in the afternoon. Highs in the mid 50s to lower 60s. Southeast wind 10 to 20 mph with gusts to 40 mph increasing to 20 to 35 mph with gusts to 50 mph in the afternoon.**

.SUNDAY NIGHT...Rain. Lows 45 to 55.

.MONDAY...Rain. Highs 55 to 65.

.MONDAY NIGHT AND TUESDAY...Mostly cloudy with a chance of rain. Lows 45 to 55. Highs 55 to 65.

.TUESDAY NIGHT THROUGH THURSDAY...Mostly cloudy with a chance of rain. Lows in the 40s. Highs in the 50s.

**Coastal Waters Forecast**

FZAK52 PAFC 281149

CWFALU  
Coastal Waters Forecast  
National Weather Service Anchorage Alaska  
349 AM AKDT Fri Aug 28 2020

Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.

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PKZ160-290115-  
Bristol Bay-  
349 AM AKDT Fri Aug 28 2020

...GALE WARNING SATURDAY...

.TODAY...W wind 10 kt in the morning becoming variable less than 10 kt. Seas 3 ft.  
.TONIGHT...E wind 20 kt. Seas 3 ft.  
.SAT...E wind 35 kt. Seas 8 ft. Widespread rain showers.  
.SAT NIGHT...S wind 20 kt. Seas 4 ft.  
**.SUN...S wind 50 kt. Seas 19 ft.**  
.MON...SW wind 40 kt. Seas 11 ft.  
.TUE...W wind 30 kt. Seas 7 ft.

FZAK52 PAFC 282350  
CWFALU  
Coastal Waters Forecast  
National Weather Service Anchorage Alaska  
350 PM AKDT Fri Aug 28 2020

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PKZ160-291300-  
Bristol Bay-  
350 PM AKDT Fri Aug 28 2020

...GALE WARNING SATURDAY...

.TONIGHT...E wind 15 kt increasing to 25 kt after midnight. Seas 4 ft.  
.SAT...E wind 35 kt. Seas 7 ft. Widespread rain showers.  
.SAT NIGHT...S wind 20 kt. Seas 4 ft. Rain showers.  
**.SUN...SE wind 45 kt. Seas 14 ft. Locally higher winds and gusts near capes.**  
**.SUN NIGHT...SW wind 45 kt. Seas 17 ft.**  
.MON...SW wind 30 kt. Seas 11 ft.  
.TUE...W wind 30 kt. Seas 7 ft.  
.WED...W wind 25 kt. Seas 5 ft.

FZAK52 PAFC 290217 CCA  
CWFALU  
Coastal Waters Forecast...CORRECTED  
National Weather Service Anchorage Alaska  
617 PM AKDT Fri Aug 28 2020

Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.

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PKZ199-291300-

617 PM AKDT Fri Aug 28 2020

.SYNOPSIS FOR SOUTHWEST ALASKA+BRISTOL BAY+THE ALASKA PENINSULA WATERS AND THE ALEUTIAN ISLANDS...

A 984 mb low 160 nm west of Adak moves to 175 nm northwest of Adak at 980 mb by Sat afternoon. It merges with a 968 mb low near Dutch Harbor by Sun morning and then moves inland near Cape Newenham at 967 mb by Sun afternoon.

PKZ160-291300-

Bristol Bay-

617 PM AKDT Fri Aug 28 2020

**...GALE WARNING SATURDAY...**

.TONIGHT...E wind 15 kt increasing to 25 kt after midnight. Seas 4 ft.

.SAT...E wind 35 kt. Seas 7 ft. Widespread rain showers.

.SAT NIGHT...S wind 20 kt. Seas 4 ft. Rain showers.

**.SUN...SE wind 45 kt. Seas 14 ft. Locally higher winds and gusts near capes.**

**.SUN NIGHT...SW wind 45 kt. Seas 17 ft.**

.MON...SW wind 30 kt. Seas 11 ft.

.TUE...W wind 30 kt. Seas 7 ft.

.WED...W wind 25 kt. Seas 5 ft.

FZAK52 PAFC 290424 AAB

CWFALU

Coastal Waters Forecast...UPDATED

National Weather Service Anchorage AK

824 PM AKDT Fri Aug 28 2020

Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.

PKZ199-291715-

824 PM AKDT Fri Aug 28 2020

.SYNOPSIS FOR SOUTHWEST ALASKA+BRISTOL BAY+THE ALASKA PENINSULA WATERS AND THE ALEUTIAN ISLANDS...

A 984 mb low 160 nm west of Adak moves to 175 nm northwest of Adak at 980 mb by Sat afternoon. It merges with a 968 mb low near Dutch Harbor by Sun morning and then moves inland near Cape Newenham at 967 mb by Sun afternoon.

PKZ160-291715-

Bristol Bay-

824 PM AKDT Fri Aug 28 2020

**...GALE WARNING SATURDAY...**

.TONIGHT...E wind 15 kt increasing to 25 kt after midnight. Seas 4 ft.

.SAT...E wind 35 kt. Seas 7 ft. Widespread rain showers.

.SAT NIGHT...S wind 20 kt. Seas 4 ft. Rain showers.

**.SUN...SE wind 45 kt. Seas 14 ft. Locally higher winds and gusts near capes.**

**.SUN NIGHT...SW wind 45 kt. Seas 17 ft.**

.MON...SW wind 30 kt. Seas 11 ft.

.TUE...W wind 30 kt. Seas 7 ft.

.WED...W wind 25 kt. Seas 5 ft.

## August 29, 2020 (Saturday)

Figure 16 is the NWS OPC Alaska 24-hour Surface Forecast issued at 0912 AKDT and valid for 0400 AKDT on August 30, 2020. The newly developed low-pressure system was at 966-hPa and expected to move rapidly north-northeast into the Bristol Bay area. Hurricane force conditions were depicted mainly south of the low. The other low-pressure system was identified at 978-hPa and expected to continue to dissipate.

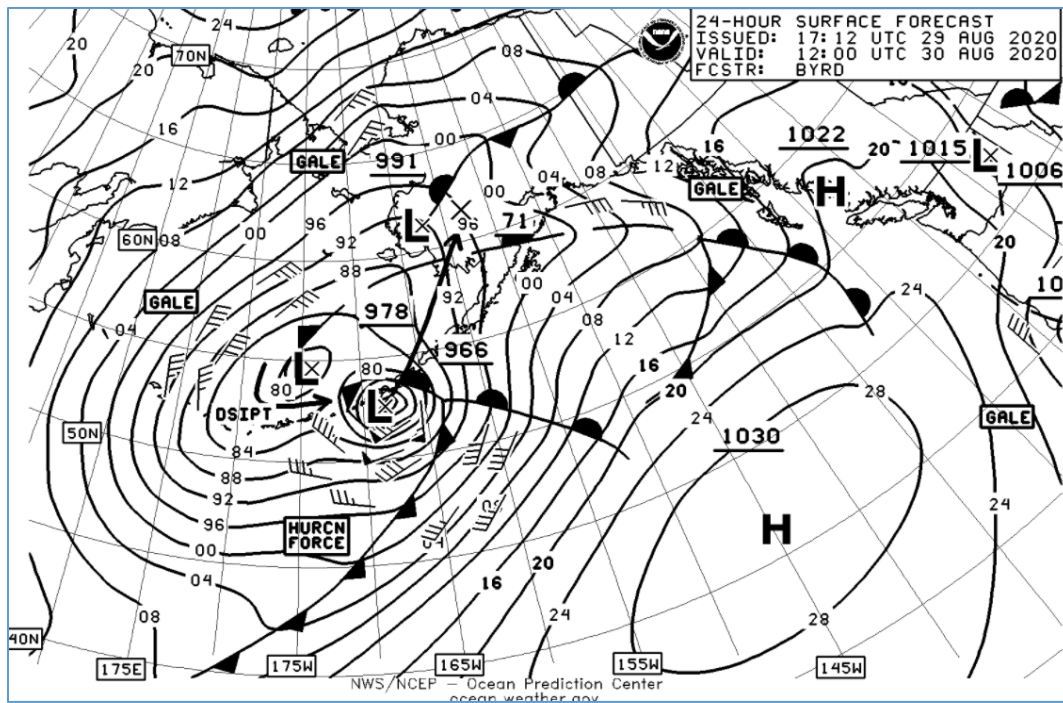


Figure 16 - NWS OPC Alaska 24-hour Surface Forecast valid for 0400 AKDT August 30, 2020.

Figure 17 is the NWS OPC Alaska 24-hour Surface Forecast issued at 2200 AKDT and valid for 1600 AKDT August 30, 2020. The chart depicted the low-pressure system at 965-hPa over the Bristol Bay area with hurricane force conditions and moving northeastward. A wind barb in the vicinity of the accident site depicted winds from the south-southwest at 70 knots.

Figure 18 is the NWS OPC 24-hour Pacific Wind & Wave Forecast issued at 2334 AKDT and valid for 1600 AKDT on August 30, 2020. The chart depicted significant wave heights to 21 ft near Bristol Bay, with another area with waves of 27 ft south of the Aleutian Islands and Dutch Harbor.

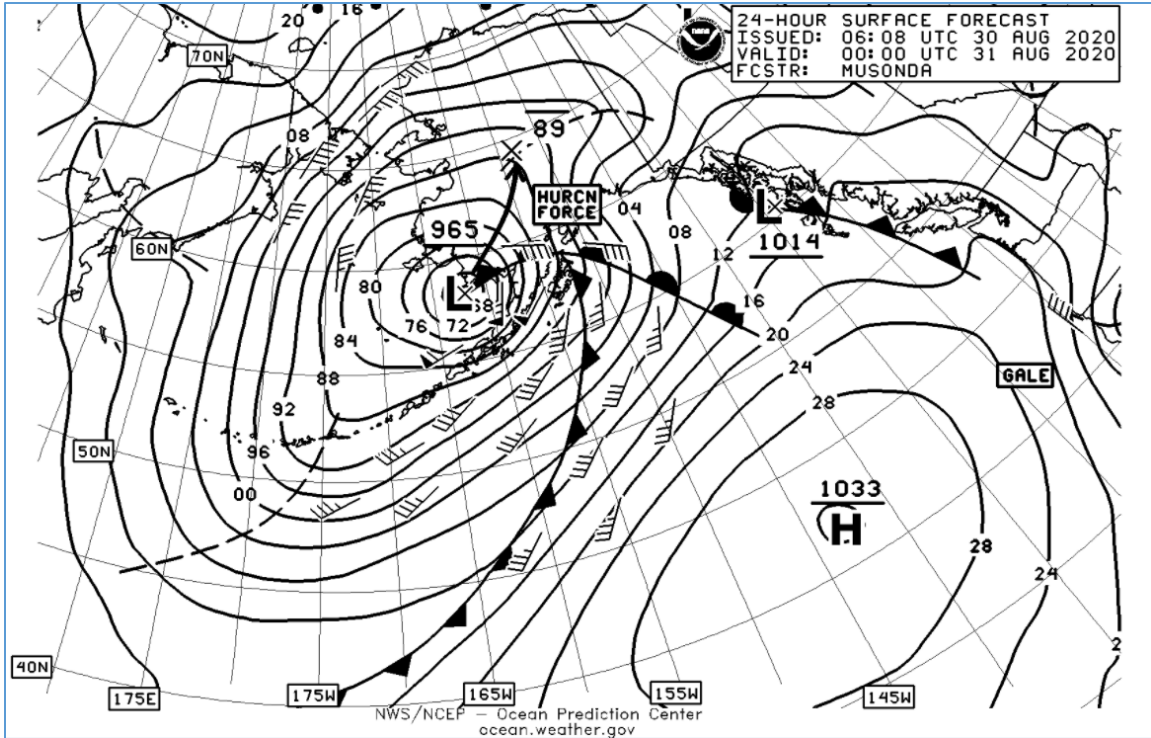


Figure 17 - NWS OPC Alaska 24-hour Surface Forecast valid for 1600 AKDT August 30, 2020.

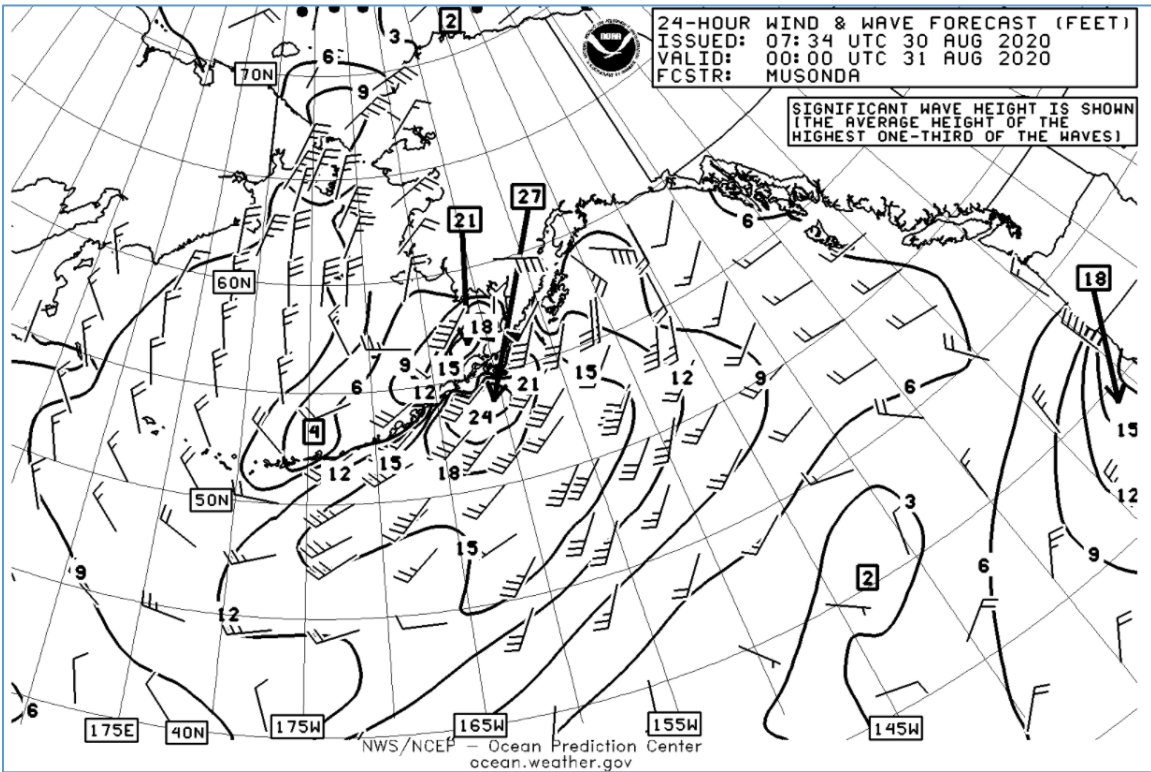


Figure 18 - NWS OPC 24-hour Wind & Wave Forecast valid for 2600 AKDT on August 30, 2020.

Figure 19 is the NWS OPC 48-hour Pacific Surface Forecast issued at 1025 AKDT and valid for 0400 AKDT on August 31, 2020. The chart depicted the main low-pressure system in the interior of Alaska at 975-hPa with gale force conditions over the coastal waters over southwest Alaska.

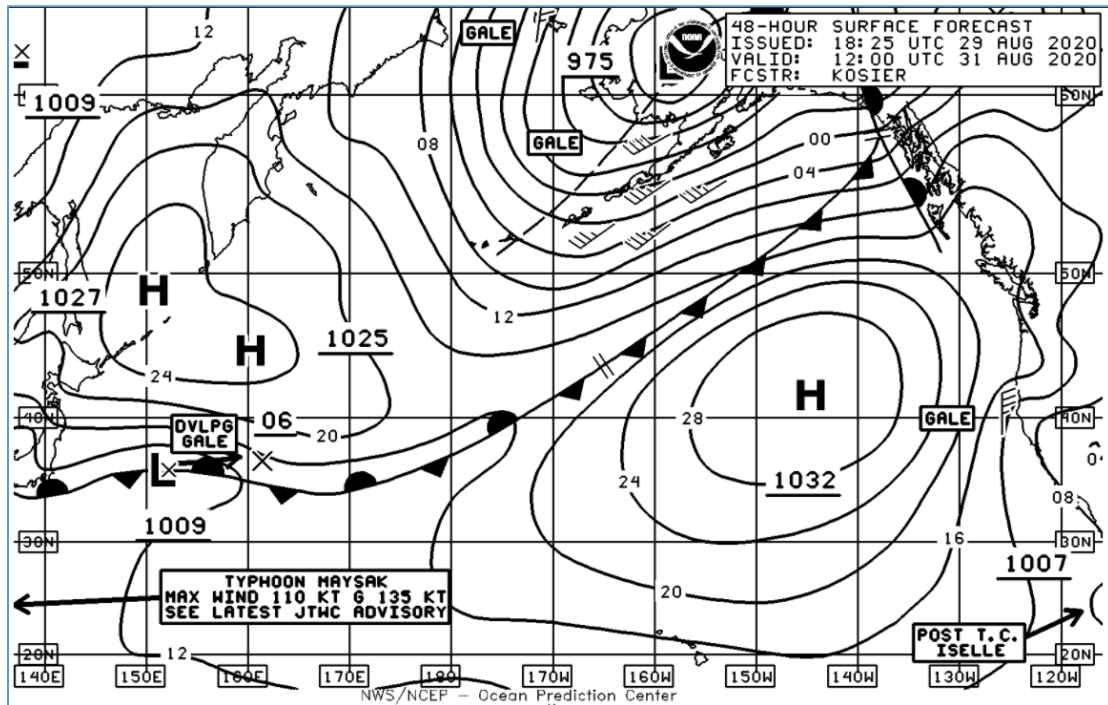


Figure 19 - NWS OPC 48-hour Pacific Surface Forecast valid for 0400 AKDT August 31, 2020.

### Area Forecast Discussion

FXAK68 PAFC 291338

AFDAFC

Southcentral and Southwest Alaska Forecast Discussion

National Weather Service Anchorage AK

538 AM AKDT Sat Aug 29 2020

.ANALYSIS AND UPPER LEVELS...

A strengthening ~150 kt upper level jet extends from eastern Russia through the North Pacific. A broad 500 mb low is likewise intensifying in its left exit region. As the vertically stacked surface low fills it, its associated front is bringing widespread rain and gusty southeasterly winds as it moves over the eastern Aleutians.

.SHORT TERM FORECAST SOUTHCENTRAL ALASKA (Days 1 and 2)...

**The bigger event will be Sunday when a large and unseasonably strong low moves into Bristol Bay from the southwest which will send a strong front across Southcentral. This will bring wind and rain across the region. Rainfall will be heaviest along the Gulf coast where 2 to 2.5 inches of rain is likely over the course of the weekend and into Monday. The areas on the eastern shores of Cook Inlet will see a bit of downsloping until the front passes through on Sunday and then rain will increase. Timing of the front through Anchorage looks to be Sunday evening.**

*Winds will increase across the region for Sunday into Monday as the track of the Bristol Bay low will bring strong winds into Anchorage Sunday afternoon through then evening. Winds will then shift to more of a south-southwest direction but remain gusty into Monday.*

*A change to this forecast package is with the winds in the Seward area on Sunday. After the second front moves through, the pressure rises behind it will suddenly, and significantly, increase the south winds. The winds are expected to be variable as the front passes through and then quickly become southerly at 25 to 35 mph shortly after frontal passage.*

*.MARINE (Days 3 through 5/Monday through Wednesday)...*

*Gulf of Alaska: For the Monday morning into Monday evening time period the Gulf of Alaska especially the western side will continue to be experiencing southwesterly gale force winds as a tight pressure gradient remains across the region. Gale force winds will subside to small crafts overnight along with diminishing waves as the pressure gradient eases.*

*Bering Sea and Aleutians: The beginning of the forecast period will feature a mainly northerly to northwesterly wind flow regime on the back side of the low pressure on Monday. Small craft advisory criteria winds are expected through at least Monday evening especially across the eastern Bering Sea to Bristol Bay.*

*.AFC WATCHES/WARNINGS/ADVISORIES...*

*PUBLIC...Coastal Flood Watch: 161.*

***MARINE...Hurricane Force Wind Warning: 172.***

***Storm Warning: 155 160 165 170 171***

***Gale Warning: 119 120 130-132 137-139 150 173 174 176 178 180 351 352 411-414***

*FIRE WEATHER...NONE.*

## **Coastal Waters Forecast**

*FZAK52 PAFC 291148*

*CWFALU*

*Coastal Waters Forecast*

*National Weather Service Anchorage Alaska*

*348 AM AKDT Sat Aug 29 2020*

*Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.*

*.PKZ199-300030-*

*348 AM AKDT Sat Aug 29 2020*

*.SYNOPSIS FOR SOUTHWEST ALASKA+BRISTOL BAY+THE ALASKA PENINSULA WATERS AND THE ALEUTIAN ISLANDS...*

*A 982 mb low at 100nm northwest of Adak moves deepens to 978 mb by Sun morning and remains nearly stationary. It merges with a 968 mb low 70 nm southwest of Dutch Harbor by Sun morning and then moves inland near Cape Newenham at 965 mb by Sun afternoon.*

*.PKZ160-300030-*

*Bristol Bay-*

*348 AM AKDT Sat Aug 29 2020*

***...STORM WARNING SUNDAY...***



.TODAY...E wind 35 kt. Seas 7 ft. Widespread rain showers.  
.TONIGHT...S wind 20 kt. Seas 4 ft. Rain showers.  
**.SUN...SE wind 45 kt becoming S 55 kt in the afternoon. Seas 9 ft building to 15 ft in the afternoon. Rain.**  
**.SUN NIGHT...SW wind 50 kt. Seas 17 ft.**  
.MON...SW wind 30 kt. Seas 12 ft.  
.TUE...W wind 20 kt. Seas 7 ft.  
.WED...NW wind 15 kt. Seas 5 ft.

FZAK52 PAFC 292355  
CWFALU  
Coastal Waters Forecast  
National Weather Service Anchorage Alaska  
355 PM AKDT Sat Aug 29 2020

Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.

.  
PKZ199-301230-  
355 PM AKDT Sat Aug 29 2020

.SYNOPSIS FOR SOUTHWEST ALASKA+BRISTOL BAY+THE ALASKA PENINSULA WATERS AND THE ALEUTIAN ISLANDS...

A 981 mb low 220 nm west of Adak and a 980 mb North Pacific low 400 nm south of Adak Sat afternoon merge near 120 nm west of Dutch Harbor at 968 mb by Sun morning. This low then moves inland near Cape Newenham at 964 mb by Sun afternoon. The associated front weakens across the central Bering through Mon afternoon.

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PKZ160-301230-  
Bristol Bay-  
355 PM AKDT Sat Aug 29 2020

**...STORM WARNING SUNDAY AND SUNDAY NIGHT...**

.TONIGHT...S wind 20 kt. Seas 5 ft.  
**.SUN...SE wind 40 kt becoming S 55 kt with gusts to 65 kt in the afternoon. Seas 7 ft building to 14 ft in the afternoon. Rain.**  
**.SUN NIGHT...SW wind 50 kt gusting to 65 kt diminishing to 40 kt gusting to 55 kt after midnight. Seas 18 ft. Rain.**  
**Winds will be locally higher near capes and gaps.**  
.MON...SW wind 30 kt. Seas 13 ft.  
.MON NIGHT...W wind 25 kt. Seas 9 ft.  
.TUE...W wind 20 kt. Seas 7 ft.  
.WED THROUGH THU...W wind 15 kt. Seas 4 ft.

### **Special Weather Statement**

WWAK82 PAFC 291902  
SPSALU

SPECIAL WEATHER STATEMENT  
National Weather Service ANCHORAGE AK  
1102 AM AKDT Sat Aug 29 2020

AKZ152-155-161-302015-

Lower Kuskokwim Valley-Kuskokwim Delta-Bristol Bay-Including the cities of Aniak, Sleetmute, Bethel, Hooper Bay, Nunivak Island, King Salmon, Dillingham, Naknek, and Pilot Point  
1102 AM AKDT Sat Aug 29 2020

...WET AND WINDY CONDITIONS EXPECTED AS THE FIRST BIG STORM OF THE FALL SEASON MOVES INTO SOUTHWEST ALASKA SUNDAY INTO MONDAY...

A strong low moving in from the Bering on Sunday into Monday will produce strong winds, periods of heavy rain, and potentially high water levels along the Bristol Bay Coast.

Rainfall will move into Southwest Alaska Sunday afternoon associated with this system, which will continue through Monday. Areas across interior Bristol Bay and the Kuskokwim Valley can expect to see over an inch of rain through this time period. Strong southwesterly winds will move into Bristol Bay by Sunday afternoon impacting coastal locations from Togiak to Port Heiden, with the possibility for high water levels. Elevated water levels are also expected along the Iliamna River late Sunday into Monday.

Please stay tuned for the latest forecast throughout the weekend.

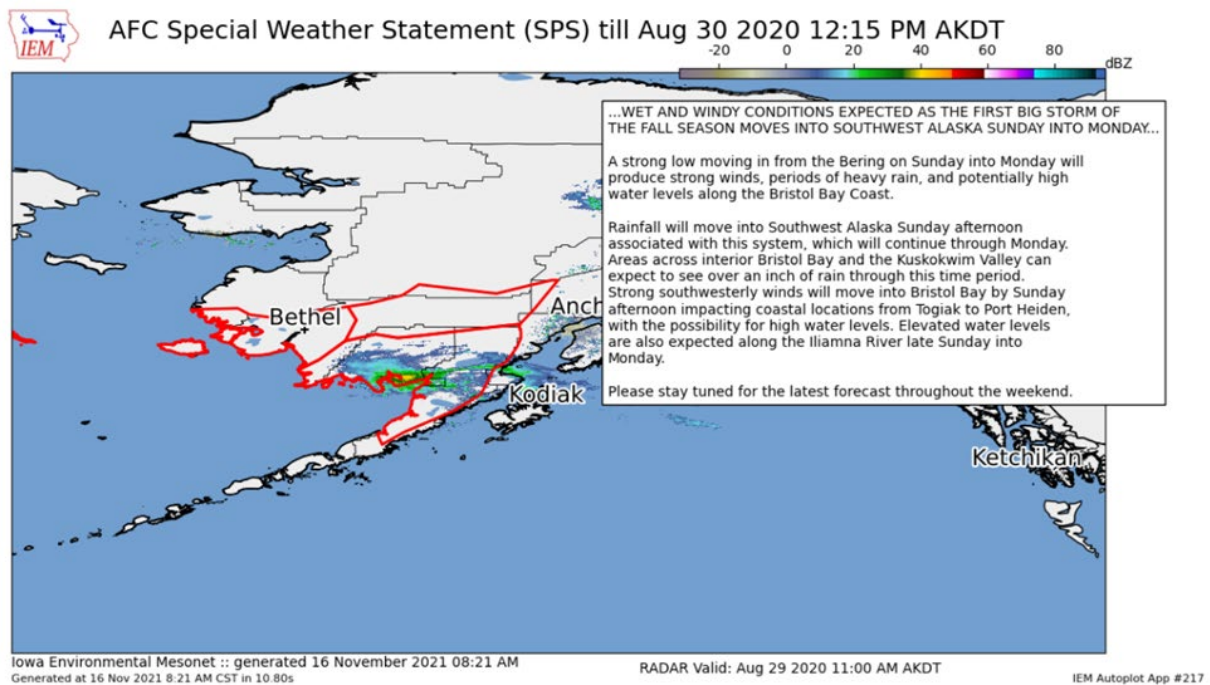


Figure 20 - NWS Special Weather Statement about 1100 AKDT on August 29, 2020.

### **Zone Forecast**

FPAK52 PAFC 291210

ZFPALU

Alaska Zone Weather Forecasts

National Weather Service Anchorage AK

410 AM AKDT Sat Aug 29 2020

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AKZ161-300030-

Bristol Bay- Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point 410 AM AKDT Sat Aug 29 2020

...**STRONG WIND LATE THIS AFTERNOON THROUGH TONIGHT...**

...**STRONG WIND SUNDAY MORNING THROUGH SUNDAY NIGHT...**

...**COASTAL FLOOD WATCH IN EFFECT FROM SUNDAY EVENING THROUGH MONDAY MORNING...**

.**TODAY...Rain. Highs in the 50s. East wind 15 to 30 mph. Gusts to 50 mph in the afternoon.**

.**TONIGHT...Rain in the evening, then numerous rain showers after midnight. Lows around 50. Southeast wind 15 to 30 mph. Gusts to 50 mph in the evening.**

.**SUNDAY...Rain. Highs in the mid 50s to lower 60s. Southeast wind 15 to 30 mph increasing to 30 to 45 mph in the afternoon. Along the Western Capes...southeast wind 25 to 40 mph increasing to 40 to 55 mph in the afternoon.**

.**SUNDAY NIGHT...Rain. Lows in the mid 40s to lower 50s. Southwest wind 30 to 45 mph. Along the Western Capes...west wind 40 to 55 mph becoming southwest and decreasing to 25 to 40 mph after midnight.**

.**MONDAY...Rain. Highs in the mid 50s to lower 60s. Southwest wind 15 to 30 mph. Gusts to 45 mph in the morning.**

.**MONDAY NIGHT...Rain. Lows 45 to 55.**

.**TUESDAY THROUGH THURSDAY...Mostly cloudy with a chance of rain. Highs in the 50s. Lows 35 to 45.**

.**THURSDAY NIGHT AND FRIDAY...Mostly cloudy. A chance of rain. Lows 35 to 45. Highs in the 50s.**

FPAK52 PAFK 300355 AAA

ZFPALU

Alaska Zone Weather Forecasts...UPDATED

National Weather Service Anchorage AK

755 PM AKDT Sat Aug 29 2020

AKZ161-301215-

Bristol Bay-Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point

755 PM AKDT Sat Aug 29 2020

...**HIGH WIND WARNING IN EFFECT FROM 2 PM TO 10 PM AKDT SUNDAY...**

...**COASTAL FLOOD ADVISORY IN EFFECT FROM 8 PM SUNDAY TO 9 AM AKDT**

**MONDAY FROM CAPE CONSTANTINE TO PORT HEIDEN...**

.**TONIGHT...Rain in the evening, then scattered rain showers after midnight. Lows around 50. Southeast wind 15 to 30 mph. Gusts to 50 mph in the evening.**

.**SUNDAY...Rain. Highs in the mid 50s to lower 60s. Southeast wind 20 to 35 mph increasing to 35 to 50 mph in the afternoon. Along the Western Capes...southeast wind 40 to 55 mph.**

.**SUNDAY NIGHT...Rain in the evening, then a chance of rain after midnight. Lows around 50. Southwest wind 30 to 45 mph. Gusts to 75 mph decreasing to 65 mph after midnight.**

.**MONDAY...A chance of rain in the morning, then rain likely in the afternoon. Highs in the mid 50s to lower 60s. Southwest wind 15 to 30 mph. Gusts to 45 mph in the morning.**

.**MONDAY NIGHT...Mostly cloudy with a chance of rain. Lows in the mid 40s to lower 50s. Southwest wind 10 to 25 mph except west 15 to 30 mph along the Western Capes.**

.**TUESDAY...Mostly cloudy with a chance of rain. Highs 55 to 65.**

.**TUESDAY NIGHT THROUGH SATURDAY...Mostly cloudy with a chance of rain. Lows 35 to 45. Highs in the 50s.**

**August 30, 2020 (Sunday)**

Figures 21 and 22 are the NWS OPC Alaska 24-hour Surface Forecast and Wind & Wave Forecast issued at 0916 and 0952 AKDT respectively and valid for 0400 AKDT on August 31, 2020. The chart depicted the low-pressure system over southwestern Alaska at 973-hPa with gale force conditions over the region. While the 24-hour Wind and Wave Forecast began to display decreasing seas over the area with the maximum significant wave heights of 5 ft near Bristol Bay and 7 ft south of Dutch Harbor.

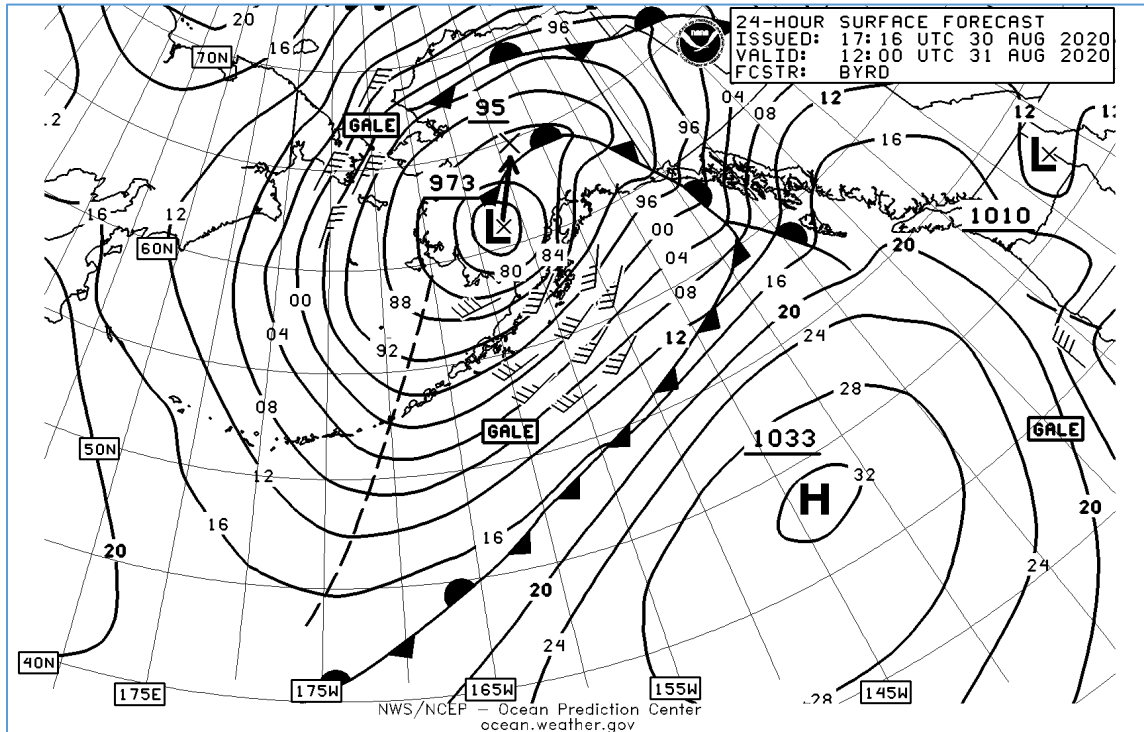


Figure 21 - NWS OPC Alaska 24-hour Surface Forecast issued at 0916 AKDT and valid for 0400 AKDT August 31, 2020.

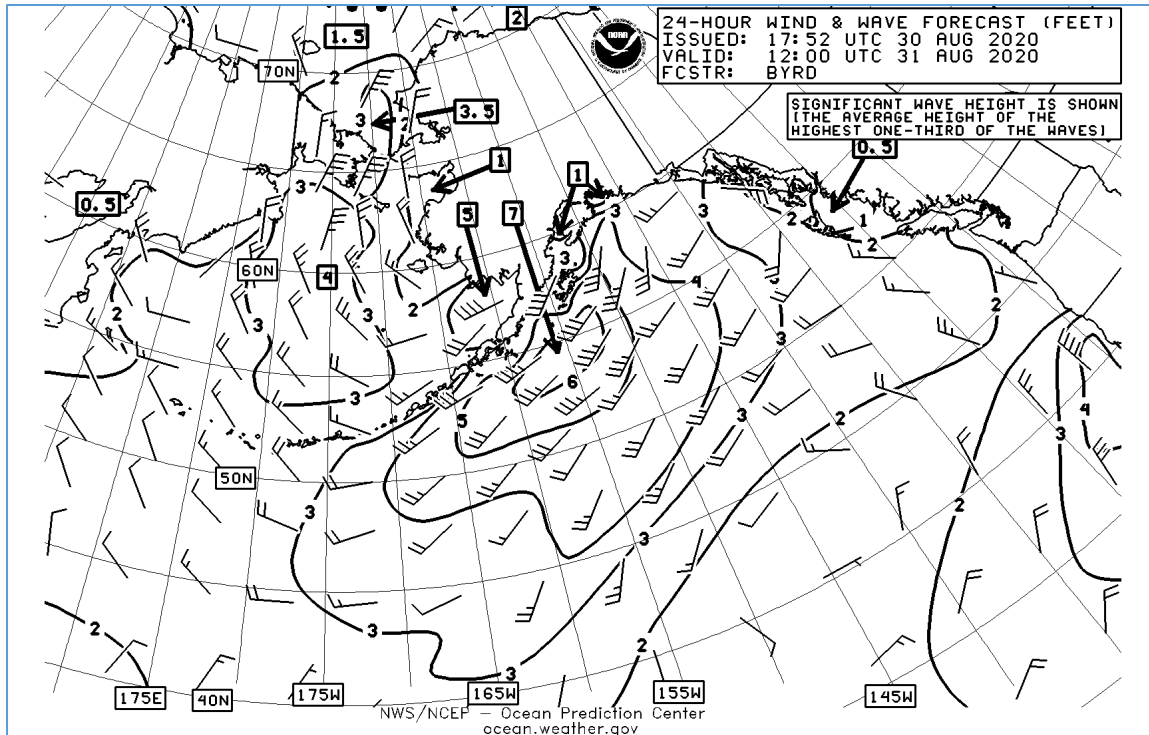


Figure 22 – NWS OPC Alaska 24-hour Wind & Wave Forecast valid for 0400 AKDT August 31, 2020.

### Area Forecast Discussion

FXAK68 PAFC 301319

AFDAFC

Southcentral and Southwest Alaska Forecast Discussion

National Weather Service Anchorage AK

519 AM AKDT Sun Aug 30 2020

.ANALYSIS AND UPPER LEVELS...

A ~170 kt upper level jet extends across the North Pacific. Its left exit region is strengthening a 500 mb low near Unalaska leading to a deep surface low and very strong winds over the central Bering/Aleutians. These are further enhanced by a nearly 100 kt 700 mb LLJ. This will track eastward into Bristol Bay through today. An upper level trough over the Gulf is leading to a surface front along the coast bringing moderate rain and gusty southeasterly winds through terrain gaps. The overall active pattern will continue over the next several days.

.SHORT TERM FORECAST SOUTHCENTRAL ALASKA (Days 1 and 2)...

The first of two lows is barreling into the north Gulf coast just south of Prince William Sound early this morning. Rainfall will be mostly relegated to coastal areas with downsloping keeping the areas on the lee side of the mountains mostly dry at least through the morning.

The second, and **much stronger**, low is moving quickly towards Bristol Bay and will send its front into lower Cook Inlet area this afternoon with it moving into the northern Susitna Valley to Prince William Sound by late evening. This is the main low and front that we have been talking about for the past number of days. Strong and gusty winds will

develop across the area and especially through channeled terrain. Once again, there will be a lot of downsloping on the lee of the mountains this afternoon as the front moves across the area. There will probably still be some rain that makes it through in spite of the downsloping due to the amount of lift with this front. The main rain will move into the area this evening behind the front as the low center shifts winds to the southwest and the low center is closer bringing in abundant moisture without the downsloping.

.SHORT TERM FORECAST SOUTHWEST ALASKA (Days 1 through 3)...

**The strong low pressure system will be moving into Southwest Alaska today with increasing winds and plenty of rain. High wind warnings are in effect for Southwest Alaska with the strongest winds in Bristol Bay, along the coast mainly east of Dillingham and from King Salmon and areas southward. Expect the strongest winds to hit the area from midday through the afternoon and evening hours. Much of Bristol Bay will see storm force winds Sunday afternoon especially, however hurricane force gusts are possible across eastern areas. Winds will ease up as we head into Monday morning as the low pressure moves inland and weakens.**

This storm also will bring a good amount of rain as it has copious moisture from tropical regions with 1 to 1.5" of rain possible across the Bristol Bay region and near King Salmon and areas northward. Less rain is expected in the YK delta region with up to a half inch in most areas. Rain will decrease Monday and Tuesday as the system moves towards the interior of Alaska.

**Coastal flooding is also expected in Bristol Bay due to strong southwesterly onshore flow creating the potential for water levels to rise 2 to 4 feet above highest astronomical tide. Areas with a concave coastline (where the coastline curves into the land) are the most prone to coastal flooding and erosion as the onshore flow will help funnel the water in these areas. Areas with a convex coastline (i.e. Cape Newenham where the land points outward) are less prone to coastal flooding as the water is less likely to funnel with the onshore flow in these regions.**

.SHORT TERM FORECAST BERING SEA/ALEUTIANS (Days 1 through 3)...

A strong low pressure system will move across the Aleutians today and towards Bristol Bay by afternoon. Storm and hurricane force winds will track just south of Dutch Harbor this morning. These storm force winds will reach Cold Bay later this morning as **the low continues to move northeastward towards Bristol Bay. Winds are expected to gust to hurricane force over the western Alaska Peninsula on Sunday as well.** Locally higher winds and gusts are expected in the gaps due to the localized funneling of winds. A High Wind Warning remains issued for the western Alaska Peninsula from 8am to 8pm AKDT today. Winds will gradually ease from west to east across the Aleutians Sunday evening through Monday afternoon.

High seas from 20-30ft are expected south of the central Aleutians (Pacific side) due to the storm and hurricane force southwesterly winds combined with ample fetch for these seas to build. Seas will be locally higher while wave periods will be locally shorter at times as the west-southwesterly winds and west-southwesterly primary swell direction will oppose the east-northeasterly currents and locally stack the seas. The highest seas will be south of Dutch Harbor (Pacific side of Aleutians) due to this area having hurricane force winds while RTOFS data shows the east-northeasterly currents being strongest in that region. Due to those factors, the area south of Dutch Harbor will have seas closer to 30ft at times Sunday morning. Seas will gradually subside and lengthen in period from west to east across the Bering/Aleutians Sunday evening through Monday evening.

Ample rainfall is expected from this storm in the Aleutians. The highest rainfall amounts are expected in the mountains due to upsloping. Rainfall amounts will total between 0.75" and 1.00" in those areas through Monday afternoon.

.AFC WATCHES/WARNINGS/ADVISORIES...

PUBLIC...Coastal Flood Advisory: 161.

High Wind Warning: 161 181 185

**MARINE...Hurricane Force Wind Warning: 172.**

**Storm Warning:** 155 160 165 170 171.

**Gale Warning:** 119 120 125 130-132 138-141 150 174 180 351 352 411-414.

FIRE WEATHER...NONE.

FXAK68 PAFC 310158

AFDAFC

Southcentral and Southwest Alaska Forecast Discussion

National Weather Service Anchorage AK

558 PM AKDT Sun Aug 30 2020

**.ANALYSIS AND UPPER LEVELS...**

**A powerful storm center, former Typhoon Bavi, was moving eastward toward Bristol Bay with the leading edge of the spreading rain across Southwest Alaska and into the western Gulf. Strong winds on the southern periphery of the storm were showing gusts in excess of 70 mph across the eastern Aleutians and portions of the Alaska Peninsula. A wind report of 120 mph was reported at Dutch Harbor as the storm center was passing. Winds in advance of the storm along the Bristol Bay coast were increasing. The cloud shield in advance of the front was rapidly advancing over Southcentral with some rain spreading to Cook Inlet. Gap winds were also increasing across Southcentral (Turnagain Arm, Knik River Valley, and along the Copper River to name a few).**

**.SHORT TERM FORECAST SOUTHWEST ALASKA (Days 1 through 3)...**

A 960 mb low pressure system is presently coming ashore over Cape Newenham. This low pressure will continue to bring the area strong winds and periods of rain through Monday morning. High wind warnings remain in effect for Southwest Alaska with the strongest winds in Bristol Bay, along the coast mainly east of Dillingham and from King Salmon and areas southward. Expect the strongest winds to occur from now through this evening. Much of Bristol Bay will see Storm Force winds continuing from now through early Monday especially in eastern portions, however Hurricane force gusts are possible across eastern Bristol Bay. Winds will gradually ease as we head into Monday morning as the low pressure moves inland and weakens.

This storm also continues to bring a good amount of rain as it has copious moisture from tropical regions with 1 to 1.5" of rain possible across the Bristol Bay region and near King Salmon and areas northward. Less rain is expected in the YK delta region with up to a half inch in most areas. Rain will decrease Monday and Tuesday as the system moves towards the Interior of Alaska. The steadiest rainfall will occur through the remainder of today into Monday morning before becoming more showery in nature.

Coastal flooding remains expected in Bristol Bay due to strong southwesterly onshore flow creating the potential for water levels to rise 2 to 4 feet above highest astronomical tide this evening through Monday morning. Areas with a concave coastline (where the coastline curves into the land) are the most prone to coastal flooding and erosion as the onshore flow will help funnel the water in these areas. Areas with a convex coastline (i.e. Cape Newenham where the land points outward) are less prone to coastal flooding as the water is less likely to funnel with the onshore flow in these regions. A Coastal Flood Advisory remains in effect from 8 PM AKDT this evening through 9 AM AKDT Monday for Cape Constantine to Port Heiden.

**.SHORT TERM FORECAST BERING SEA/ALEUTIANS (Days 1 through 3)...**

A 960 mb low pressure system will continue to move onshore over Cape Newenham and then inland while weakening. Storm force winds are expected across Bristol Bay and along the Bering side of the AKPEN with Hurricane force gusts possible the remainder of the afternoon and into the overnight hours. Locally higher winds and gusts are expected in the gaps due to the localized funneling of winds. A High Wind Warning remains in effect for the western Alaska Peninsula through 8pm AKDT this evening. Winds will gradually ease from west to east across the Aleutians this evening through Monday afternoon.

High seas from 18-25ft are expected south of the central Aleutians (Pacific side) due to the high end gale force southwesterly winds combined with ample fetch for these seas to build. Seas will be locally higher while wave periods



*will be locally shorter at times as the west-southwesterly winds and west- southwesterly primary swell direction will oppose the east- northeasterly currents and locally stack the seas. Seas will gradually abate and lengthen in period from west to east across the Bering/Aleutians Sunday evening through Monday evening. Ample rainfall is expected from this storm in the Aleutians. The highest rainfall amounts are expected in the mountains due to upsloping. Rainfall amounts will total between 0.75" and 1.00" in those areas through Monday afternoon.*

*.AFC WATCHES/WARNINGS/ADVISORIES...*

*PUBLIC...Flood Watch 111-145. Coastal Flood Advisory 161. High Wind Warning 161 181.*

*MARINE...Gale 119 120 125 130 131 132 138 139 140 351 352 150 155 172 180 414.*

*Storm 160 165.*

### **Coastal Waters Forecast**

*FZAK52 PAFC 301152*

*CWFALU*

*Coastal Waters Forecast*

*National Weather Service Anchorage Alaska*

*352 AM AKDT Sun Aug 30 2020*

*Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.*

*Wind forecasts reflect the predominant speed and direction expected. Sea forecasts represent an average of the highest one-third of the combined wind wave and swell height.*

*PKZ199-310115-*

*352 AM AKDT Sun Aug 30 2020*

*.SYNOPSIS FOR SOUTHWEST ALASKA+BRISTOL BAY+THE ALASKA PENINSULA WATERS AND THE ALEUTIAN ISLANDS...*

*A 964 low near Umnak Island moves inland near Cape Newenham by this evening. The associated front weakens across the central Bering through Mon afternoon.*

*.*

*PKZ160-310115-*

*Bristol Bay-*

*352 AM AKDT Sun Aug 30 2020*

### ***...STORM WARNING THROUGH TONIGHT...***

***.TODAY...SE wind 40 kt becoming S 55 kt with gusts to 65 kt in the afternoon. Seas 7 ft building to 14 ft in the afternoon. Rain.***

***.TONIGHT...SW wind 50 kt gusting to 65 kt diminishing to 40 kt gusting to 55 kt after midnight. Seas 18 ft. Rain. Winds will be locally higher near capes and gaps.***

*.MON...SW wind 30 kt. Seas 13 ft subsiding to 9 ft in the afternoon.*

*.MON NIGHT...W wind 25 kt. Seas 9 ft.*

*.TUE...W wind 20 kt. Seas 7 ft.*

*.WED THROUGH THU...W wind 15 kt. Seas 4 ft.*

*FZAK52 PAFC 302358*

*CWFALU*

*Coastal Waters Forecast*

National Weather Service Anchorage Alaska  
358 PM AKDT Sun Aug 30 2020

Coastal Waters Forecast for Southwest Alaska+Bristol Bay+The Alaska Peninsula Waters and the Aleutian Islands up to 100 nm out.

.  
PKZ160-311245-  
Bristol Bay-  
358 PM AKDT Sun Aug 30 2020

**...STORM WARNING TONIGHT...**

**.TONIGHT...SW wind 55 kt gusting to 65 kt diminishing to 45 kt gusting to 55 kt after midnight. Seas 25 ft in the evening subsiding to 17 ft. Widespread rain showers. Winds will be locally higher near capes and gaps.**

.MON...SW wind 35 kt diminishing to 25 kt in the afternoon. Seas 17 ft subsiding to 10 ft in the afternoon.

.MON NIGHT...W wind 25 kt. Seas 8 ft.

.TUE...W wind 25 kt. Seas 8 ft.

.TUE NIGHT...W wind 20 kt. Seas 5 ft.

.WED THROUGH THU...W wind 15 kt. Seas 4 ft.

.FRI...S wind 10 kt. Seas 3 ft.

### **Zone Forecast**

AKZ161-310030-  
Bristol Bay-Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point

...HIGH WIND WARNING IN EFFECT FROM 2 PM THIS AFTERNOON TO 10 PM AKDT THIS EVENING...

...COASTAL FLOOD ADVISORY IN EFFECT FROM 8 PM THIS EVENING TO 9 AM AKDT MONDAY...

.TODAY...Scattered rain showers in the morning, then widespread rain showers in the afternoon. Highs in the 50s. Southeast wind 20 to 35 mph increasing to 35 to 50 mph in the afternoon. Along the Western Capes...southeast wind 40 to 55 mph.

.TONIGHT...Widespread rain showers in the evening, then scattered rain showers after midnight. Lows around 50. Southwest wind 30 to 45 mph. Gusts to 75 mph decreasing to 65 mph after midnight.

.MONDAY...Scattered rain showers in the morning, then numerous rain showers in the afternoon. Highs in the mid 50s to lower 60s. Southwest wind 15 to 30 mph. Gusts to 45 mph in the morning.

.MONDAY NIGHT...Cloudy with scattered rain showers. Lows in the mid 40s to lower 50s. Southwest wind 10 to 25 mph except west 15 to 30 mph along the Western Capes.

### TEMPERATURE / PRECIPITATION

King Salmon 59 50 59 / 100 100 70

Dillingham 55 50 58 / 100 90 60

Iliamna 59 51 59 / 80 100 70

FPAK52 PAFC 310000

ZFPALU

.  
Alaska Zone Weather Forecasts  
National Weather Service Anchorage AK  
400 PM AKDT Sun Aug 30 2020

AKZ161-311330-

Bristol Bay- Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point  
400 PM AKDT Sun Aug 30 2020

*...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 10 PM AKDT THIS EVENING...*

*...COASTAL FLOOD ADVISORY REMAINS IN EFFECT FROM 8 PM THIS EVENING TO 9 AM AKDT MONDAY FROM CAPE CONSTANTINE TO PORT HEIDEN...*

*.TONIGHT...Rain. Lows around 50. South wind 30 to 45 mph. Gusts to 70 mph decreasing to 55 mph after midnight.*

*.MONDAY...Numerous rain showers. Highs in the 50s. Southwest wind 20 to 35 mph.*

*.MONDAY NIGHT...Cloudy with scattered rain showers. Lows in the mid 40s to lower 50s. Southwest wind 10 to 20 mph. Gusts to 35 mph in the evening.*

*.TUESDAY...Mostly cloudy with a chance of rain showers. Highs in the mid 50s to lower 60s. West wind 10 to 20 mph.*

*.TUESDAY NIGHT...Mostly cloudy with a chance of rain showers. Lows in the 40s. Northwest wind 10 to 20 mph.*

*.WEDNESDAY...Mostly cloudy with a chance of rain showers. Highs in the 50s.*

*.WEDNESDAY NIGHT...Mostly cloudy with a chance of rain showers. Lows 35 to 45.*

*.THURSDAY THROUGH SUNDAY...Mostly cloudy with a chance of rain. Highs in the 50s. Lows 35 to 45.*

### **Special Weather Statement**

WWAK82 PAFC 301220

SPSALU

SPECIAL WEATHER STATEMENT

National Weather Service ANCHORAGE AK

420 AM AKDT Sun Aug 30 2020

AKZ152-155-161-310100-

Lower Kuskokwim Valley-Kuskokwim Delta-Bristol Bay-Including the cities of Aniak, Sleetmute, Bethel, Hooper Bay, Nunivak Island, King Salmon, Dillingham, Naknek, and Pilot Point

420 AM AKDT Sun Aug 30 2020

*...WET AND WINDY CONDITIONS EXPECTED AS THE FIRST BIG STORM OF THE FALL SEASON MOVES INTO SOUTHWEST ALASKA SUNDAY INTO MONDAY...*

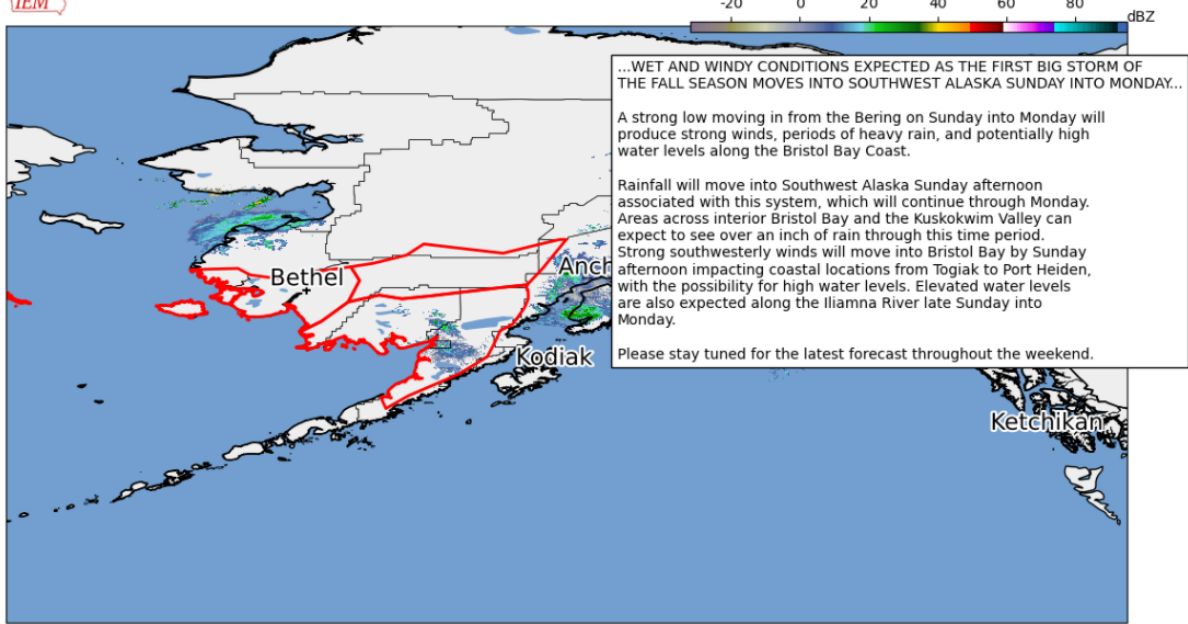
*A strong low moving in from the Bering on Sunday into Monday will produce strong winds, periods of heavy rain, and potentially high water levels along the Bristol Bay Coast.*

*Rainfall will move into Southwest Alaska Sunday afternoon associated with this system, which will continue through Monday. Areas across interior Bristol Bay and the Kuskokwim Valley can expect to see over an inch of rain through this time period. Strong southwesterly winds will move into Bristol Bay by Sunday afternoon impacting coastal locations from Togiak to Port Heiden, with the possibility for high water levels. Elevated water levels are also expected along the Iliamna River late Sunday into Monday.*

*Please stay tuned for the latest forecast throughout the weekend.*



# AFC Special Weather Statement (SPS) till Aug 30 2020 5:00 PM AKDT



Iowa Environmental Mesonet :: generated 16 November 2021 09:05 AM  
Generated at 16 Nov 2021 9:05 AM CST in 10.42s

RADAR Valid: Aug 30 2020 4:20 AM AKDT

IEM Autoplot App #217

Figure 23 - Special Weather Statement boundaries.

WWAK82 PAFC 310032

SPSALU

SPECIAL WEATHER STATEMENT

National Weather Service ANCHORAGE AK

432 PM AKDT Sun Aug 30 2020

AKZ152-155-161-311400-

Lower Kuskokwim Valley-Kuskokwim Delta-Bristol Bay-Including the cities of Aniak, Sleetmute, Bethel, Hooper Bay, Nunivak Island, King Salmon, Dillingham, Naknek, and Pilot Point

432 PM AKDT Sun Aug 30 2020

*...WET AND WINDY CONDITIONS OCCURRING AS THE FIRST BIG STORM OF THE FALL SEASON MOVES INTO SOUTHWEST ALASKA THROUGH MONDAY...*

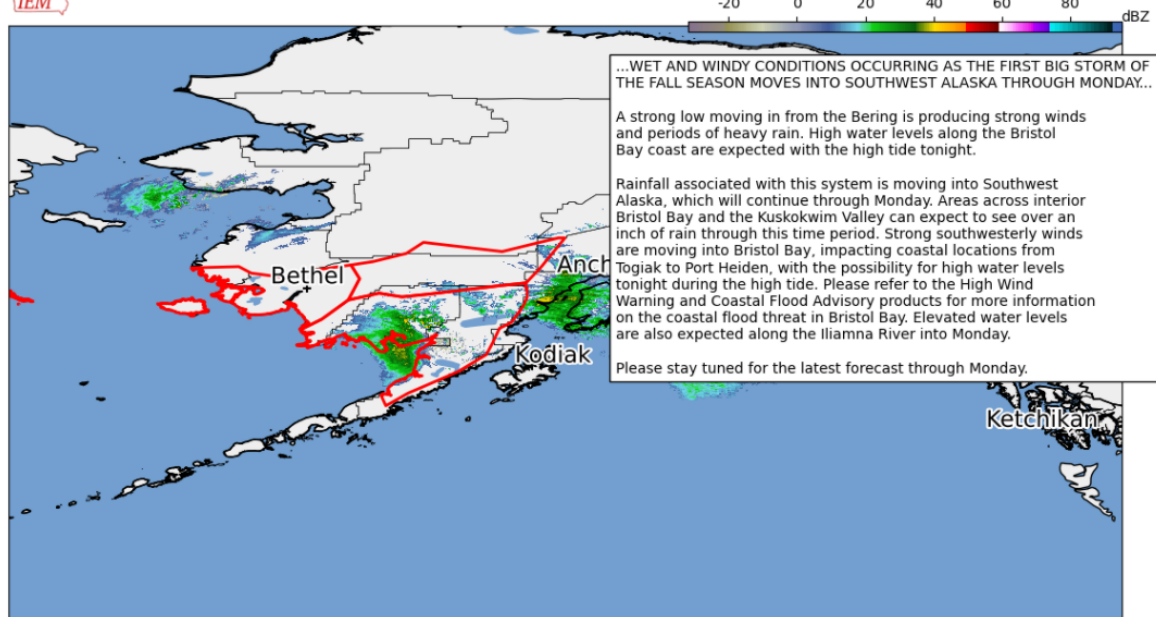
*A strong low moving in from the Bering is producing strong winds and periods of heavy rain. High water levels along the Bristol Bay coast are expected with the high tide tonight.*

*Rainfall associated with this system is moving into Southwest Alaska, which will continue through Monday. Areas across interior Bristol Bay and the Kuskokwim Valley can expect to see over an inch of rain through this time period. Strong southwesterly winds are moving into Bristol Bay, impacting coastal locations from Togiak to Port Heiden, with the possibility for high water levels tonight during the high tide. Please refer to the High Wind Warning and Coastal Flood Advisory products for more information on the coastal flood threat in Bristol Bay. Elevated water levels are also expected along the Iliamna River into Monday.*

*Please stay tuned for the latest forecast through Monday.*



# AFC Special Weather Statement (SPS) till Aug 31 2020 6:00 AM AKDT



Iowa Environmental Mesonet :: generated 16 November 2021 09:25 AM  
Generated at 16 Nov 2021 9:25 AM CST in 10.76s

RADAR Valid: Aug 30 2020 4:30 PM AKDT

IEM Autoplot App #217

Figure 24 - NWS Special Weather Statement boundary.

## **Weather Warning**

WWAK72 PAFC 301224  
NPWALU

URGENT - WEATHER MESSAGE  
National Weather Service Anchorage AK  
424 AM AKDT Sun Aug 30 2020

AKZ161-310100-  
/O.CON.PAFC.HW.W.0010.200830T2200Z-200831T0600Z/  
Bristol Bay-Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point  
424 AM AKDT Sun Aug 30 2020

**...HIGH WIND WARNING REMAINS IN EFFECT FROM 2 PM THIS AFTERNOON TO 10 PM AKDT THIS EVENING...**

**\* WHAT...South winds becoming west 35 to 45 mph with gusts 60 to 75 mph expected.**

**\* WHERE...Bristol Bay. Highest winds expected south of King Salmon.**

**\* WHEN...From 2 PM to 10 PM AKDT Sunday.**

**\* IMPACTS...High winds may move loose debris, damage property, and cause power outages. Travel will be difficult, especially for high profile vehicles.**

**\* ADDITIONAL DETAILS...Strongest winds along the coast and through channeled terrain.**

PRECAUTIONARY/PREPAREDNESS ACTIONS...

*People are urged to secure loose objects that could be blown around or damaged by the wind. Prepare for the possibility of widespread power outages. Use caution if you must drive.*

WWAK72 PAFC 301704  
NPWALU  
URGENT - WEATHER MESSAGE  
National Weather Service Anchorage AK  
904 AM AKDT Sun Aug 30 2020

AKZ161-310600-  
/O.CON.PAFC.HW.W.0010.200830T2200Z-200831T0600Z/  
Bristol Bay- Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point  
904 AM AKDT Sun Aug 30 2020

*...HIGH WIND WARNING REMAINS IN EFFECT FROM 2 PM THIS AFTERNOON TO 10 PM AKDT THIS EVENING...*

*\* WHAT...South winds becoming west 35 to 45 mph with gusts 60 to 75 mph expected.*

*\* WHERE...Bristol Bay. Highest winds expected south of King Salmon.*

*\* WHEN...From 2 PM to 10 PM AKDT Sunday.*

*\* IMPACTS...High winds may move loose debris, damage property, and cause power outages. Travel will be difficult, especially for high profile vehicles.*

*\* ADDITIONAL DETAILS...Strongest winds along the coast and through channeled terrain.*

PRECAUTIONARY/PREPAREDNESS ACTIONS...

*People are urged to secure loose objects that could be blown around or damaged by the wind. Prepare for the possibility of widespread power outages. Use caution if you must drive.*

WWAK72 PAFC 310345  
NPWALU  
URGENT - WEATHER MESSAGE  
National Weather Service Anchorage AK  
745 PM AKDT Sun Aug 30 2020

AKZ161-310600-  
/O.CON.PAFC.HW.W.0010.000000T0000Z-200831T0600Z/  
Bristol Bay- Including the cities of King Salmon, Dillingham, Naknek, and Pilot Point  
745 PM AKDT Sun Aug 30 2020

*...HIGH WIND WARNING REMAINS IN EFFECT UNTIL 10 PM AKDT THIS EVENING...*

*\* WHAT...Southwest winds 35 to 45 mph with gusts to 75 mph.*

*\* WHERE...Bristol Bay. Highest winds along the coast.*



\* *WHEN...Until 10 PM AKDT Sunday.*

\* *IMPACTS...High winds may move loose debris, damage property, and cause power outages. Travel will be difficult, especially for high profile vehicles.*

\* *ADDITIONAL DETAILS...Strongest winds along the coast and through channeled terrain.*  
*PRECAUTIONARY/PREPAREDNESS ACTIONS...*

*People are urged to secure loose objects that could be blown around or damaged by the wind. Prepare for the possibility of widespread power outages. Use caution if you must drive.*

## **Storm Report**

*NZUS60 PAFC 301838*  
*REPORT*

*Submitted: Sun Aug 30 2020 10:33:44 AKDT-0800*

*Office: AFC*

*Event Date: 2020-08-30 9:00 AM Alaska Daylight Time*

*Reported By: Andy Dietrick*

*Spotter Id:*

*Profile: General Public*

*Location: Unalaska AK*

*Latitude: 53.87*

*Longitude: -166.54*

*Place: Aleutians West Census Area*

***High Speed Wind: Stronger than 80 mph***

*Additional Details: 8/30/2020 - 10:30 am: Storm report for this morning in Unalaska/Dutch Harbor. The anemometer on the APL crane recorded 120 mph. Plenty of damage to greenhouse roofs, flying totes, debris, and plywood, 32' North River aluminum boat flipped on its top on its trailer, weather port tents flattened, containers flipped on their side, large vessels dragging anchor in Captain's Bay, flags shredded at both post office's.*

Figure 25 is the NWS OPC Sea-State Analysis for 1600 AKDT on August 30, 2020, depicting the significant wave heights over the region (included in Weather Factual Report).

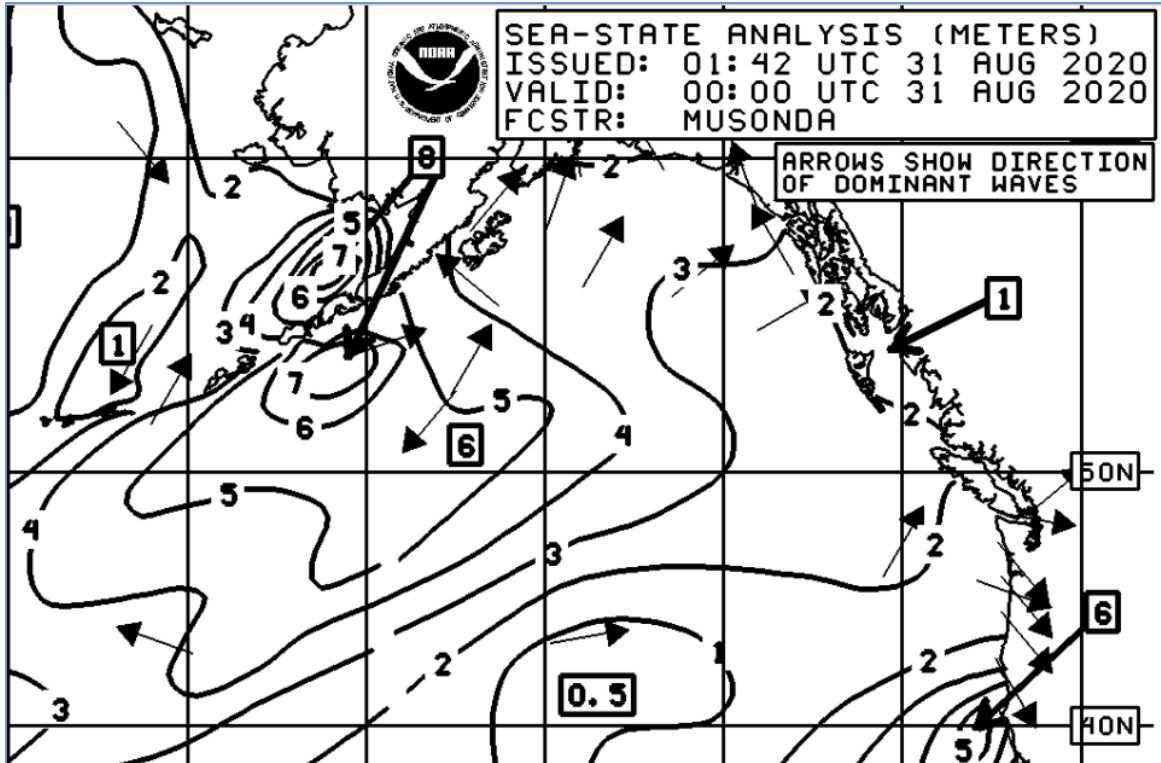


Figure 25 - NWS OPC Sea-State Analysis for 1600 AKDT on August 30, 2021, depicting a maximum significant wave heights to 8 meters (or 24 ft) near Bristol Bay.

Figure 26 is the NWS OPC Surface Analysis valid for 2200 AKDT on August 30, 2020, showing the main low-pressure system over southwestern Alaska at 967-hPa with storm force conditions and the occluded front beginning to dissipate over the area (included in Weather Factual Report).

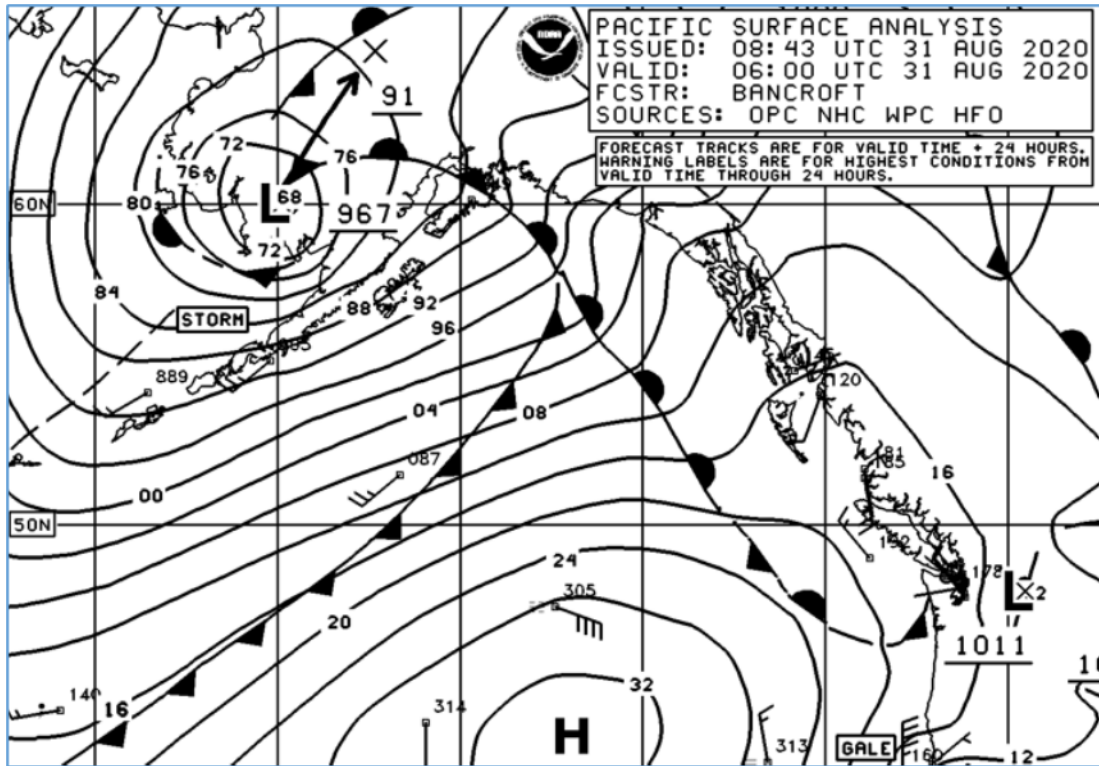


Figure 26 - NWS OPC Pacific Surface Analysis valid for 2200 AKDT on August 30, 2020.