

## Alaska Tidal Datum Portal – Summary of November 2019 Changes and Updates

- Edited text on portal site
  - Link to NGS tidal benchmark observation status
- Updated tidal stations that are currently accepted by NOAA CO-OPS (table 1; table 2)
- Updated tidal stations that have OPUS observations (table 3; table 4)
- Updated tidal datum connection to NAVD88, using OPUS observation taken closest to mid-point of analysis period

Table 1. Tidal stations added to NOAA CO-OPS since 2016

ID	NEW TIDAL STATIONS
9465182	BLACK ROCK, WALRUS IS BRISTOL B
9464961	CAPE CONSTANTINE, NUSHAGAK PENINSULA
9455558	COAL POINT
9450286	Dunbar Inlet GPS Tide Buoy
9450251	Entrance to Windy Cove
9457726	Geese Island GPS Tide Buoy
9465265	KULUKAK POINT
9464075	Meshik, Port Heiden
9465283	NE SIDE SUMMIT ISLAND, TOGIAK BAY A
9450642	Northern Carroll Inlet GPS Tide Buoy
9457512	Sitkalidak Island GPS Tide Buoy
9459465	ZACHARY BAY, UNGA IS (N. SIDE)

Table 2. Tidal stations removed from NOAA CO-OPS since 2016

ID	OUTDATED STATIONS
9468283	Akeftapak, St. Lawrence Island
9457743	Aiaktalik Island
9452141	Annex Creek Entrance
9452263	Auke Bay
9465182	Black Rock, Walrus Island Bristol Bay
9450406	Block Island, Tlevak Narrows
9452378	Boat Harbor
9450949	Burnette Inlet, Etolin Island
9451781	Cannery Cove, Pybus Bay
9456477	Cape Douglas
9453849	Cape Saint Elias
9451558	Cape Straight (backup)
9458945	Chignik Lagoon Main Channel
9455137	Coleman Bay
9454672	College Fiord
9452682	Composite Island, Glacier Bay

<b>ID</b>	<b>OUTDATED STATIONS</b>
9451335	Cosmos Point
9452082	Crib Point, Port Snettisham, Stephens Passage
9497778	Cross Island (Dinkum Sands)
9453196	Disenchantment Bay
9457393	Dovolno Point, Kizhuyak Bay
9465346	East Side, Togiak Bay
9451706	Eliza harbor, Federick Sound
9454757	Eshamy Lagoon, Knight Island Passage
9465249	Estus Point, Hagemeister Strait
9452447	Excursion Inlet (North End)
9455916	Fire Island BM ADCP
9450879	Fitzgibbon Cove
9455452	Flat Island
9452321	Funter, Mansfield Peninsula
9463058	Grant Point, Izembek Bay
9454824	Harriman Fiord
9452292	Hawk Inlet
9451634	Herring Bay, Frederick Sound
9465173	High Island, Bristol Bay
9455557	Homer
9453472	Icy Bay Entrance, A
9453471	Icy Bay Entrance, B
9452596	Idaho Inlet (South End), icy Strait
9450254	Kah Shakes Cove, Revillagigedo Channel
9453444	Kichyatt Point, Icy Bay
9465265	Kulukak Point
9452568	Lemesurier Island
9452336	Lincoln Island, Favorite Channel
9469541	Little Diomed Island
9454825	Long Bay Entrance, Culross Passage
9450466	Mckenzie Inlet
9455820	Moose Point
9452584	Muir Inlet, Glacier Bay
9465283	NE Side Summit Island, Togiak Bay
9457258	Near Island
9494937	Niksiuraq, Elson Lagoon
9465234	North End, Hagemeister Island
9452005	North Shore Upper Endicott Arm
9455168	Northwest Holgate Arm
9455178	Northwest Passage
9456463	Oil Bay
9452184	Oliver Inlet, Portage

<b>ID</b>	<b>OUTDATED STATIONS</b>
9455427	Perl Island
9452478	Pleasant Island (North End), Icy Strait
9452516	Point Adolphus
9452542	Point Gustavus
9452091	Point High, Glass Peninsula, Seymour
9451779	Point Lull
9454729	Point Perry, Perry Island
9455923	Point Woronzof BM ADCP
9450467	Polk Inlet (S. End) Kasaan Bay
9458471	Poltava Island
9455428	Port Chatam
9451771	Port Houghton, Stephens Passage
9457261	Port of Kodiak
9452081	Port Snettisham, Speel River Arm
9497649	Prudhoe Bay #2
9465123	Pyrite Point, Bristol Bay
9453456	Riou Bay, Icy Bay
9450651	Rudyerd Bay
9453178	Russell Fiord
9455514	Sadie Cove
9452377	Saint James Bay
9452022	Sawyer Island, Tracy Arm, Holkham Bay
9450982	Shakan Bay Entrance
9456173	Snug Harbor
9457588	South Arm of Uganik Bay, Kodiak
9465089	South End, Hagemeister Island, Bristol Bay
9454952	Southern Blackston Bay (Inside)
9464962	SW Side, Nushagak Penninsula
9453407	Taan Fjord North
9452131	Taku Inlet (middle), Taku River Entrance
9452069	Tracy Arm, Holkham Bay
9451655	Turnabout Island, Fredrick Sound
9455506	Tutka Bay
9455174	Upper Harris Bay
9455478	Ushagat Island
9457728	Uyak (Cannery Dock), Uyak Bay
9450761	Vixen Harbor, Union Bay, Earnest Sound
9452632	Wachusett Inlet, Glacier Bay
9452046	Windham Bay East, Stephens Passage

Table 3. Tidal stations accepted by NOAA CO-OPS that did not have OPUS observations in 2016, and now do have OPUS observations.

<b>ID</b>	<b>NOW HAS OPUS OBS.</b>
9455120	Aguchik Island, Kukak Bay
9454818	BLUE FJORD, PORT NELLIE JUAN
9450581	Kasaan Bay
9454794	Applegate Island
9464961	CAPE CONSTANTINE, NUSHAGAK PENINSULA
9455558	COAL POINT
9465265	KULUKAK POINT
9450815	Ratz Harbor
9455500	Seldovia
9456992	TAKLI ISLAND, SHELIKOF STRAIT

Table 4. Tidal stations accepted by NOAA CO-OPS that do not have OPUS observations as of this update.

<b>ID</b>	<b>NO OPUS OBS.</b>
9455146	AIALIK SILL, AIALIK BAY
9460150	ATTU, MASSACRE BAY
9454755	Bainbridge Point
9452318	Barlow Cove
9455128	BEAR COVE, AIALIK PENINSULA, KENAI PENIN
9455595	Bear Cove, Kachemak Bay
9450906	BECK ISLAND, CLARENCE STRAIT
9451287	Beecher Pass
9450623	Big Salt Lake
9459251	Bird Island, Shumagin Bank
9465182	BLACK ROCK, WALRUS IS BRISTOL B
9450973	Blashke Island
9454381	BLIGH ISLAND, T-16
9450305	BOCA DE QUADRA
9455777	BOULDER POINT
9451012	Bradfield Canal
9450914	Burrough Bay, Behm Canal
9454374	Busby Island
9451074	BUSHY ISLAND, SNOW PASSAGE
9455151	CAMP COVE, HARRIS PENNINSULA
9451906	CANNERY WHARF, GAMBIER BAY
9454329	Cape Hichinbrook
9455711	Cape Kasilof
9462787	Cape Sarichef, Unimak Island

<b>ID</b>	<b>NO OPUS OBS.</b>
9458907	Castle Bay
9458849	Chankliut Island
9454777	CHENEGA ISLAND (S.W. END)
9455735	CHINULNA POINT, COOK INLET
9454851	COCHRANE BAY, PR. WILLIAM SOUND
9459949	Cold Bay
9454460	Columbia Glacier
9455159	CRATER BAY, HARRIS BAY
9451376	Dorothy Cove
9450286	Dunbar Inlet GPS Tide Buoy
9451438	Entrance Island
9452437	EXCURSION INLET (SOUTH END)
9457726	Geese Island GPS Tide Buoy
9451421	Golf Island
9451909	GOOD ISLAND, GAMBIER BAY
9454751	Guguak
9452294	Hawk Inlet
9454691	HERRING POINT, KNIGHT ISLAND, PR WIL SND
9452067	HOLKHAM BAY, STEPHENS PASSAGE
9450544	Hollis Anchorage, Kasaan Bay
9458964	Hump Island, Kuiukta Bay
9469626	Ikpek Lagoon
9455732	KALIGAN ISLAND (NORTH END), COOK INLET
9454951	KINGS BAY INSIDE, PRINCE WILLIAM SOUND
9491247	Kivalina Lagoon
9457283	KODIAK, ST PAULS HARBOR
9450913	Kuiu Island, Affleck Canal
9458819	KUJULIK BAY (NORTH SHORE)
9469982	Lagoon at 165 West
9454713	Latouche
9451422	LECONTE BAY
9450625	Lindeman Cove
9469338	LOST RIVER, SEWARD PENINSULA
9454642	LOUIS BAY
9454674	Macleod Harbor
9451152	Madan Bay
9454616	Montague Island
9453443	Moraine Bay
9451409	MOUNTAIN POINT
9458779	NAKCHAMIK ISLAND, CHIGNIK BAY
9465283	NE SIDE SUMMIT ISLAND, TOGIK BAY A
9450642	Northern Carroll Inlet GPS Tide Buoy

<b>ID</b>	<b>NO OPUS OBS.</b>
9450711	Nossuk Bay
9456717	NUKSHAK ISLAND, SHELIKOF STRAIT
9469515	Outside Lopp Lagoon
9454561	Perch Point
9454721	PERRY ISLAND (SOUTH BAY)
9454814	Point Erlington, Erlington Island
9451005	POINT HARRINGTON, CLARENCE STRAIT
9454671	POINT HELEN, KNIGHT ISLAND
9454673	PORT AUDREY
9454511	Port Chalmers
9451936	Provorotni Island
9458209	Puale Bay
9451467	Red Bluff Bay, Baranof Island
9451124	REEF POINT, STIKINE STRAIT
9451497	Saginaw Bay, Kuiu Island
9450495	Saltery Cove
9451805	Scraggy Island
9454564	SEAL ISLAND
9451454	Security Bay GPS Buoy
9451853	Sergius Narrows
9450618	Shinaku Inlet
9469804	Shishmaref Inlet Inside
9457512	Sitkalidak Island GPS Tide Buoy
9454662	Snug Harbor
9454652	SOUTH ARM, KNIGHT ISLAND, BAY OF ISLES
9450578	Steamboat Bay
9452368	SWANSON HARBOR
9452434	TAIYASANKA HARBOR
9452123	TAKU HARBOR
9451785	THE BROTHERS, STEPHENS PASSAGE
9450970	Thoms Point
9450938	Thorne Island
9458762	UNAVIKSHAK ISLAND
9455204	UPPER NORTHWESTERN FIORD
9451037	Village Rock
9452249	YOUNG BAY
9459465	ZACHARY BAY, UNGA IS (N. SIDE)