

Thanks for helping to update the Alaska Tidal Datum Portal, improve the National Spatial Reference System, and facilitate public access to Alaska benchmarks!

You can learn more about the NGS GPS on benchmarks campaign here:

<http://www.ngs.noaa.gov/heightmod/GPSonBM.shtml>

Sharing an OPUS solution is easy! All you need is a high-quality GPS data file (at least 4 hours in duration), a photograph of the mark, a photograph of your occupation in-progress, and a willingness to help improve Alaska geospatial data. You can submit an opus solution here:

<http://www.ngs.noaa.gov/OPUS/> - don't forget to select "share my solution" in the dropdown options.

On the following pages there is a table of coastal areas in Alaska that have tidal datums established, but no published orthometric heights for any of the tidal benchmarks. If you will be in one of these areas with a dual frequency GPS/GNSS receiver, please consider taking some time to help us improve the number of sites included in our portal by sharing a tidal benchmark solution in OPUS DB. To find a tidal benchmark, click on the hyperlink next to the station and scroll to the bottom of the CO-OPS benchmark sheet to the "Tidal Datums" section. Pick any mark on the list (example figure below) that has a published MLLW height.

ALASKA	
NOAA Chart: 16682	Latitude: 59° 46.4' N
USGS Quad: BLYING SOUND (0-7)	Longitude: 149° 35.3' W
T I D A L   D A T U M S	
Tidal datums at AGNES COVE based on:	
LENGTH OF SERIES:	2 MONTHS
TIME PERIOD:	August 2001 - September 2001
TIDAL EPOCH:	1983-2001
CONTROL TIDE STATION:	9455090 SEWARD, RESURRECTION BAY
Elevations of tidal datums referred to Mean Lower Low Water (MLLW), in METERS:	
MEAN HIGHER HIGH WATER	MHHW = 3.257
MEAN HIGH WATER	MHW = 2.976
MEAN SEA LEVEL	MSL = 1.703
MEAN TIDE LEVEL	MTL = 1.699
MEAN LOW WATER	MLW = 0.421
MEAN LOWER LOW WATER	MLLW = 0.000
Bench Mark Elevation Information	
In METERS above:	
Stamping or Designation	MLLW      1984
5120 A 2001	6.850    3.874
5120 B 2001	6.023    3.046
5120 C 2001	5.581    2.604
5120 D 2001	6.029    3.053
5120 E 2001	4.363    1.386

ANY OF THESE

<b>Station Name</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Tidal Benchmark Sheet</b>
Agnes Cove	59.773	-149.588	<a href="#">9455120</a>
Aguchik Island, Kukak Bay	58.290	-154.270	<a href="#">9456901</a>
Aialik Bay, North End	59.953	-149.715	<a href="#">9455145</a>
Aialik Sill, Aialik Bay	59.885	-149.718	<a href="#">9455146</a>
Applegate Island	60.623	-148.165	<a href="#">9454794</a>
Bainbridge Point	60.197	-148.042	<a href="#">9454755</a>
Barlow Cove	58.322	-134.878	<a href="#">9452318</a>
Bear Cove, Aialik Peninsula, Kenai Penin	59.802	-149.615	<a href="#">9455128</a>
Bear Cove, Kachemak Bay	59.725	-151.023	<a href="#">9455595</a>
Beck Island, Clarence Strait	56.047	-132.862	<a href="#">9450906</a>
Beecher Pass	56.595	-132.987	<a href="#">9451287</a>
Big Salt Lake	55.600	-132.950	<a href="#">9450623</a>
Bird Island, Shumagin Bank	54.835	-159.760	<a href="#">9459251</a>
Blackstone Bay, Pr. William Sound	60.765	-148.523	<a href="#">9454907</a>
Blashke Island	56.127	-132.895	<a href="#">9450973</a>
Bligh Island	60.807	-146.798	<a href="#">9454381</a>
Blue Fjord, Port Nellie Juan	60.492	-148.242	<a href="#">9454818</a>
Boca de Quadra	55.117	-130.798	<a href="#">9450305</a>
Bradfield Canal	56.183	-131.572	<a href="#">9451012</a>
Burrough Bay, Behm Canal	56.038	-131.095	<a href="#">9450914</a>
Busby Island	60.898	-146.782	<a href="#">9454374</a>
Bushy Island, Snow Passage	56.277	-132.985	<a href="#">9451074</a>
Camp Cove, Harris Peninsula	59.693	-149.748	<a href="#">9455151</a>
Cannery Wharf, Gambier Bay	57.483	-133.960	<a href="#">9451906</a>
Cape Hichinbrook	60.238	-146.648	<a href="#">9454329</a>
Cape Kasilof	60.337	-151.380	<a href="#">9455711</a>
Cape Sarichef, Unimak Island	54.600	-164.928	<a href="#">9462787</a>
Castle Bay	56.232	-158.347	<a href="#">9458907</a>
Chankliut Island	56.147	-158.107	<a href="#">9458849</a>
Chenega Island (S.W. End)	60.283	-148.113	<a href="#">9454777</a>
Chignik, Anchorage Bay	56.297	-158.400	<a href="#">9458917</a>
Chilkat Inlet	59.170	-135.400	<a href="#">9452421</a>
Chinulna Point, Cook Inlet	60.503	-151.283	<a href="#">9455735</a>
Chowiet Island	56.052	-156.698	<a href="#">9458519</a>
Cochrane Bay, Pr. William Sound	60.663	-148.357	<a href="#">9454851</a>
Cold Bay	55.208	-162.698	<a href="#">9459949</a>
Columbia Glacier	61.023	-147.085	<a href="#">9454460</a>
Crater Bay, Harris Bay	59.713	-149.787	<a href="#">9455159</a>
Dorothy Cove	56.722	-135.075	<a href="#">9451376</a>

Dovolno Point, Kizhuyak Bay	56.127	-132.895	<a href="#">9457393</a>
Entrance Island	56.812	-133.787	<a href="#">9451438</a>
Excursion Inlet (South End)	58.417	-135.447	<a href="#">9452437</a>
Golf Island	56.787	-135.393	<a href="#">9451421</a>
Good Island, Gambier Bay	57.487	-133.898	<a href="#">9451909</a>
Guguak	60.100	-148.038	<a href="#">9454751</a>
Hawk Inlet	58.085	-134.777	<a href="#">9452294</a>
Herring Point, Knight Island, Pr Wil Snd	60.475	-147.792	<a href="#">9454691</a>
Holkham Bay, Stephens Passage	57.760	-133.603	<a href="#">9452067</a>
Hollis Anchorage, Kasaan Bay	55.480	-132.645	<a href="#">9450544</a>
Homer	59.603	-151.420	<a href="#">9455557</a>
Hump Island, Kuiu Bay	56.113	-158.598	<a href="#">9458964</a>
Ikpek Lagoon	65.893	-167.273	<a href="#">9469626</a>
Kaligan Island (North End), Cook Inlet	60.512	-151.952	<a href="#">9455732</a>
Kasaan Bay	55.535	-132.397	<a href="#">9450581</a>
Kasitsna Bay, Kachemak Bay	59.468	-151.565	<a href="#">9455517</a>
Kings Bay Inside, Prince William Sound	60.457	-148.665	<a href="#">9454951</a>
Kivalina Lagoon	67.727	-164.532	<a href="#">9491247</a>
Kuiu Island, Affleck Canal	56.037	-134.115	<a href="#">9450913</a>
Kujulik Bay (North Shore)	56.613	-157.983	<a href="#">9458819</a>
Lagoon At 165 West	66.462	-165.055	<a href="#">9469982</a>
Latouche	60.053	-147.907	<a href="#">9454713</a>
Leconte Bay	56.788	-132.502	<a href="#">9451422</a>
Lindeman Cove	55.602	-132.512	<a href="#">9450625</a>
Lost River, Seward Peninsula	65.390	-167.145	<a href="#">9469338</a>
Louis Bay	60.462	-147.672	<a href="#">9454642</a>
Macleod Harbor	59.890	-147.795	<a href="#">9454674</a>
Madan Bay	56.392	-132.169	<a href="#">9451152</a>
Montague Island	60.025	-147.592	<a href="#">9454616</a>
Moraine Bay	59.930	-141.363	<a href="#">9453443</a>
Mountain Point	56.740	-132.958	<a href="#">9451409</a>
Nakchamik Island, Chignik Bay	56.352	-157.812	<a href="#">9458779</a>
North Shore Upper Endicott Arm	57.522	-133.055	<a href="#">9452005</a>
Nossuk Bay	55.722	-133.350	<a href="#">9450711</a>
Nukshak Island, Shelikof Strait	58.392	-153.958	<a href="#">9456717</a>
Perch Point	60.127	-147.395	<a href="#">9454561</a>
Perry Island (South Bay)	60.672	-147.932	<a href="#">9454721</a>
Point Erlington, Erlington Island	59.938	-148.227	<a href="#">9454814</a>
Point Harrington, Clarence Strait	56.178	-132.697	<a href="#">9451005</a>
Point Helen, Knight Island	60.153	-147.767	<a href="#">9454671</a>
Point Lockwood	56.558	-132.963	<a href="#">9451263</a>
Port Audrey	60.343	-147.768	<a href="#">9454673</a>
Port Chalmers	60.242	-147.249	<a href="#">9454511</a>

Port Mackenzie	61.268	-149.917	<a href="#">9455934</a>
Provorotni Island	57.515	-135.555	<a href="#">9451936</a>
Puale Bay	57.707	-155.393	<a href="#">9458209</a>
Ratz Harbor	55.880	-132.595	<a href="#">9450815</a>
Red Bluff Bay, Baranof Island	56.857	-134.723	<a href="#">9451467</a>
Reef Point, Stikine Strait	56.353	-132.553	<a href="#">9451124</a>
Saginaw Bay, Kuiu Island	56.903	-134.303	<a href="#">9451497</a>
Saltery Cove	55.402	-132.328	<a href="#">9450495</a>
Scraggy Island	57.340	-135.707	<a href="#">9451805</a>
Seal Island	60.425	-147.410	<a href="#">9454564</a>
Sergius Narrows	57.410	-135.627	<a href="#">9451853</a>
Shakan Strait (Northeast End)	56.148	-133.460	<a href="#">9450987</a>
Shinaku Inlet	55.593	-133.152	<a href="#">9450618</a>
Shishmaref Inlet Inside	66.170	-166.207	<a href="#">9469804</a>
Snug Harbor	60.250	-147.717	<a href="#">9454662</a>
South Arm, Knight Island, Bay Of Isles	60.367	-147.700	<a href="#">9454652</a>
Steamboat Bay	55.533	-133.637	<a href="#">9450578</a>
Swanson Harbor	58.215	-135.127	<a href="#">9452368</a>
Taiyasanka Harbor	59.302	-135.428	<a href="#">9452434</a>
Takli Island	58.063	-154.477	<a href="#">9456992</a>
Taku Harbor	58.068	-134.012	<a href="#">9452123</a>
The Brothers, Stephens Passage	57.295	-133.797	<a href="#">9451785</a>
Thoms Point	56.118	-132.078	<a href="#">9450970</a>
Thorne Island	56.058	-132.968	<a href="#">9450938</a>
Unavikshak Island	56.492	-157.740	<a href="#">9458762</a>
Upper Northwestern Fiord	59.790	-150.032	<a href="#">9455204</a>
Uyak	57.635	-154.007	<a href="#">9457728</a>
Village Rock	56.220	-132.297	<a href="#">9451037</a>
Wooded Island	59.875	-147.403	<a href="#">9454562</a>
Young Bay	58.183	-134.587	<a href="#">9452249</a>
Boulder Point	60.777	-151.245	<a href="#">9455777</a>
False Pass, Unimak Island	54.858	-153.407	<a href="#">9462955</a>