

High-resolution modeling of coastal freshwater discharge Gulf of Alaska watershed

Water Resources Research

52, 3888-3909

DOI: [10.1002/2015wr018457](https://doi.org/10.1002/2015wr018457)

Citation Report

#	ARTICLE	IF	CITATIONS
1	How much cryosphere model complexity is just right? Exploration using the conceptual cryosphere hydrology framework. <i>Cryosphere</i> , 2016, 10, 2147-2171.	3.9	18
2	Hypsometric control on glacier mass balance sensitivity in Alaska and northwest Canada. <i>Earth's Future</i> , 2017, 5, 324-336.	6.3	42
3	Glacial density and GIA in Alaska estimated from ICESat, GPS and GRACE measurements. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 76-90.	2.8	18
4	Hydrologic impacts of changes in climate and glacier extent in the Gulf of Alaska watershed. <i>Water Resources Research</i> , 2017, 53, 7502-7520.	4.2	33
5	The Andes Cordillera. Part IV: spatiotemporal freshwater runoff distribution to adjacent seas (1979–2014). <i>International Journal of Climatology</i> , 2017, 37, 3175-3196.	3.5	12
6	High-Resolution Historical Climate Simulations over Alaska. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 709-731.	1.5	17
7	Accurate coastal DEM generation by merging ASTER GDEM and ICESat/GLAS data over Mertz Glacier, Antarctica. <i>Remote Sensing of Environment</i> , 2018, 206, 218-230.	11.0	23
8	The challenge of monitoring glaciers with extreme altitudinal range: mass-balance reconstruction for Kahiltna Glacier, Alaska. <i>Journal of Glaciology</i> , 2018, 64, 75-88.	2.2	4
9	Enhancement of a Parsimonious Water Balance Model to Simulate Surface Hydrology in a Glacierized Watershed. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 1116-1132.	2.8	7
10	Spatial and temporal variation in winter condition of juvenile Pacific herring (<i>Clupea pallasii</i>) in Prince William Sound, Alaska: Oceanographic exchange with the Gulf of Alaska. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 147, 116-126.	1.4	16
11	Hydrographic trends in Prince William Sound, Alaska, 1960–2016. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 147, 43-57.	1.4	11
12	High-resolution ice sheet surface mass-balance and spatiotemporal runoff simulations: Kangerlussuaq, west Greenland. <i>Arctic, Antarctic, and Alpine Research</i> , 2018, 50, .	1.1	8
13	Seasonal variability of ⁷ Be in suspended sediments from the Copper River, Alaska: implications for quantifying recent flood deposits in coastal environments. <i>Geo-Marine Letters</i> , 2018, 38, 467-480.	1.1	0
14	A Physically Based Daily Simulation of the Glacier-Dominated Hydrology of the Copper River Basin, Alaska. <i>Water Resources Research</i> , 2018, 54, 4983-5000.	4.2	5
15	Annual River Runoff Variations and Trends for the Andes Cordillera. <i>Journal of Hydrometeorology</i> , 2018, 19, 1167-1189.	1.9	7
16	Modeled spatial-temporal distribution of productivity, chlorophyll, iron and nitrate on the northern Gulf of Alaska shelf relative to field observations. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 165, 163-191.	1.4	34
17	Connectivity between spawning and nursery areas for Pacific cod (<i>Gadus macrocephalus</i>) in the Gulf of Alaska. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 165, 113-126.	1.4	17
18	Seasonal components of freshwater runoff in Glacier Bay, Alaska: diverse spatial patterns and temporal change. <i>Cryosphere</i> , 2019, 13, 1597-1619.	3.9	7

#	ARTICLE	IF	CITATIONS
19	Reanalysis of the US Geological Survey Benchmark Glaciers: long-term insight into climate forcing of glacier mass balance. <i>Journal of Glaciology</i> , 2019, 65, 850-866.	2.2	46
20	Evaluation of the North American Regional Reanalysis (NARR) precipitation fields in a topographically complex domain. <i>Hydrological Sciences Journal</i> , 2020, 65, 786-799.	2.6	5
21	Accelerated retreat of coastal glaciers in the Western Prince William Sound, Alaska. <i>Arctic, Antarctic, and Alpine Research</i> , 2020, 52, 617-634.	1.1	3
22	Applying the index of watershed integrity to the Matanuska-Susitna basin. <i>Arctic, Antarctic, and Alpine Research</i> , 2020, 52, 435-449.	1.1	2
23	Thermal Diversity of Salmon Streams in the Matanuska-Susitna Basin, Alaska. <i>Journal of the American Water Resources Association</i> , 2020, 56, 630-646.	2.4	5
24	Deglacierization of a Marginal Basin and Implications for Outburst Floods, Mendenhall Glacier, Alaska. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	14
25	High Resolution Mapping of Ice Mass Loss in the Gulf of Alaska From Constrained Forward Modeling of GRACE Data. <i>Frontiers in Earth Science</i> , 2020, 7, .	1.8	7
26	Interannual glacier and lake mass changes over Scandinavia from GRACE. <i>Geophysical Journal International</i> , 2020, 221, 2126-2141.	2.4	7
27	Central Asian river streamflows have not continued to increase during the recent warming hiatus. <i>Atmospheric Research</i> , 2020, 246, 105124.	4.1	12
28	Demonstrating a High-Resolution Gulf of Alaska Ocean Circulation Model Forced Across the Coastal Interface by High-Resolution Terrestrial Hydrological Models. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015724.	2.6	10
29	A Classification of Streamflow Patterns Across the Coastal Gulf of Alaska. <i>Water Resources Research</i> , 2020, 56, e2019WR026127.	4.2	32
30	Identification of Seasonal Streamflow Regimes and Streamflow Drivers for Daily and Peak Flows in Alaska. <i>Water Resources Research</i> , 2021, 57, e2020WR028425.	4.2	14
32	Modeling the impacts of climate change on mass balance and discharge of Eklutna Glacier, Alaska, 1985-2019. <i>Journal of Glaciology</i> , 2021, 67, 909-920.	2.2	5
33	A Changing Hydrological Regime: Trends in Magnitude and Timing of Glacier Ice Melt and Glacier Runoff in a High Latitude Coastal Watershed. <i>Water Resources Research</i> , 2021, 57, e2020WR027404.	4.2	7
34	Development and evaluation of 0.05° terrestrial water storage estimates using Community Atmosphere Biosphere Land Exchange (CABLE) land surface model and assimilation of GRACE data. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4185-4208.	4.9	4
35	Spatial and temporal variability of dissolved aluminum and manganese in surface waters of the northern Gulf of Alaska. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2021, 189-190, 104952.	1.4	6
36	Assimilation of citizen science data in snowpack modeling using a new snow data set: Community Snow Observations. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4651-4680.	4.9	9
37	Using the Global Hydrodynamic Model and GRACE Follow-On Data to Access the 2020 Catastrophic Flood in Yangtze River Basin. <i>Remote Sensing</i> , 2021, 13, 3023.	4.0	6

#	ARTICLE	IF	CITATIONS
38	Integrated Assessment of Ocean Acidification Risks to Pteropods in the Northern High Latitudes: Regional Comparison of Exposure, Sensitivity and Adaptive Capacity. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	23
39	Modulation of ocean acidification by decadal climate variability in the Gulf of Alaska. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	16
40	A regional hindcast model simulating ecosystem dynamics, inorganic carbon chemistry, and ocean acidification in the Gulf of Alaska. <i>Biogeosciences</i> , 2020, 17, 3837-3857.	3.3	18
41	GrSMBMIP: intercomparison of the modelled 1980â€“2012 surface mass balance over the Greenland Ice Sheet. <i>Cryosphere</i> , 2020, 14, 3935-3958.	3.9	111
43	Calibration of a hydrologic model in data-scarce Alaska using satellite and other gridded products. <i>Journal of Hydrology: Regional Studies</i> , 2022, 39, 100979.	2.4	0
44	Mountain Permafrost Hydrologyâ€”A Practical Review Following Studies from the Andes. <i>Geosciences (Switzerland)</i> , 2022, 12, 48.	2.2	20
45	Modeling in an integrated ecosystem research framework to explore recruitment in Gulf of Alaska groundfish â€” Applications to management and lessons learned. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 197, 105048.	1.4	4
46	Seasonal and interannual variation in high-latitude estuarine fish community structure along a glacial to non-glacial watershed gradient in Southeast Alaska. <i>Environmental Biology of Fishes</i> , 2022, 105, 431-452.	1.0	8
47	Marine CO<sub>2</sub> system variability along the northeast Pacific Inside Passage determined from an Alaskan ferry. <i>Biogeosciences</i> , 2022, 19, 1277-1301.	3.3	5
50	Stuck in the Wildâ€”The Hydrology of the Teklanika River (Alaska) in the Summer of 1992. <i>Frontiers in Earth Science</i> , 0, 10, .	1.8	0
51	Temperature variations in the northern Gulf of Alaska across synoptic to century-long time scales. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 203, 105155.	1.4	12
52	New projections of 21st century climate and hydrology for Alaska and HawaiÎ»i. <i>Climate Services</i> , 2022, 27, 100312.	2.5	2
53	Maritime glacier retreat and terminus area change in Kenai Fjords National Park, Alaska, between 1984 and 2021. <i>Journal of Glaciology</i> , 2023, 69, 251-265.	2.2	1
54	Influence of environmental and population factors on Prince William Sound herring spawning phenology. <i>Marine Ecology - Progress Series</i> , 2022, 696, 103-117.	1.9	1
55	Can seamounts in the Gulf of Alaska be a spawning ground for sablefish settling in coastal nursery grounds?. <i>Fisheries Research</i> , 2023, 261, 106625.	1.7	1
56	Increasing rate of 21st century volume loss of the Patagonian Icefields measured from proglacial river discharge. <i>Journal of Glaciology</i> , 2023, 69, 1187-1202.	2.2	1
57	Hydroclimate Drives Seasonal Riverine Export Across a Gradient of Glacierized Highâ€”Latitude Coastal Catchments. <i>Water Resources Research</i> , 2023, 59, .	4.2	5
58	The Rise and Fall of Alaska and Yukon Glaciers Detected by TOPEX/Poseidon and Jasonâ€”2 Altimeters Using a Novel Glacierâ€”Threshold Method. <i>Journal of Geophysical Research F: Earth Surface</i> , 2023, 128, .	2.8	0

#	ARTICLE	IF	CITATIONS
59	Contribution of Fresh Submarine Groundwater Discharge to the Gulf of Alaska. Water Resources Research, 2023, 59, .	4.2	0
60	Widespread ciliate and dinoflagellate mixotrophy may contribute to ecosystem resilience in a subarctic sea: the northern Gulf of Alaska. Aquatic Microbial Ecology, 0, , .	1.8	0
61	More Than Marine Heatwaves: A New Regime of Heat, Acidity, and Low Oxygen Compound Extreme Events in the Gulf of Alaska. AGU Advances, 2024, 5, .	5.4	0
62	Evaluating flood potential in the Mahanadi River Basin, India, using Gravity Recovery and Climate Experiment (GRACE) data and topographic flood susceptibility index under non-stationary framework. Environmental Science and Pollution Research, 2024, 31, 17206-17225.	5.3	0
63	Hydrologic and Landscape Controls on Rock Weathering Along a Glacial Gradient in South Central Alaska, USA. Journal of Geophysical Research F: Earth Surface, 2024, 129, .	2.8	0
64	Geochemical Weathering Variability in High Latitude Watersheds of the Gulf of Alaska. Journal of Geophysical Research F: Earth Surface, 2024, 129, .	2.8	0