

Reports on Alaska in Non-USGS Publications Released in 2001 That Include USGS Authors

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[USGS authors are marked with asterisks (*), Some reports dated 1995, 1999, and 2000 did not become available until 2001; they are included in this listing]

- Allewalt, Jessica, *Forester, R.M., *Ager, T.A., Strasser, J.C., and Ensminger, S.L., 2001, A postglacial history of the Matanuska valley [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 4, p. 4.
- Amato, J.M., Bogar, M.J., and *Calvert, A.T., 2001, Metamorphism in the Tlikakila Complex Lake Clark National Park, Alaska—does it record the collision of the Peninsular terrane with Alaska? [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 1238.
- *Atwater, B.F., Yamaguchi, D.K., Bondevik, Stein, *Barnhardt, W.A., Amidon, L.J., Benson, B.E., Skjerdal, Gudrun, Shulene, J.A., and Nanayama, Futoshi, 2001, Rapid resetting of an estuarine recorder of the 1964 Alaska earthquake: Geological Society of America Bulletin, v. 113, no. 9, p. 1193–1204.
- *Bailey, E.A., *Gray, J.E., and Hines, M.E., 2001, Mercury methylation and demethylation in soils near abandoned mercury mines in Alaska, USA [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 361.
- *Bird, K.J., 2000, Potential oil and gas resources of the Arctic National Wildlife Refuge in Alaska—1002 area: Polar Geography, v. 24, no. 1, p. 13–34.
- Bruhn, R.L., Pavlis, T.L., *Plafker, George, Serpa, Lora, and Picornell, Carlos, 2001, Structure and tectonics of the Saint Elias Orogen [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 857–858.
- *Carlson, P.R., *Hooge, P.N., and *Stevenson, Andrew, 2001, Multibeam imagery shows extensive iceberg reworking of the lower Glacier Bay, Alaska fjord [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 165.
- Clautice, K.H., Newberry, R.J., Blodgett, R.B., Bundtzen, T.K., Gage, B.G., Harris, E.E., Liss, S.A., *Miller, M.L., Reifensuhl, R.R., Clough, J.G., and Pinney, D.S., 2001, Bedrock geologic map of the Chulitna region, southcentral Alaska: Alaska Division of Geological and Geophysical Surveys Report of Investigations 2001–1A, 31 p., scale 1:63,360.
- Clautice, K.H., Newberry, R.J., Pinney, D.S., Blodgett, R.B., Bundtzen, T.K., Gage, B.G., Harris, E.E., Liss, S.A., *Miller, M.L., Reifensuhl, R.R., and Clough, J.G., 2001, Geologic map of the Chulitna region, southcentral Alaska: Alaska Division of Geological and Geophysical Surveys Report of Investigations 2001–1B, 32 p., scale 1:63,360.
- *Coombs, M.L., and Gardner, J.E., 2001, Shallow-storage conditions for the rhyolite of the 1912 eruption at Novarupta, Alaska: Geology, v. 29, no. 9, p. 775–778.
- Cunico, M.L., Walder, J.S., Fountain, A.G., and *Trabant, D.C., 2001, Localized glacier deformation associated with filling and draining of a glacier-dammed lake and implications for outburst flood hydraulics [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 522.
- *Detweiler, Shane, *Catchings, R.D., *Goldman, M.R., *Gandhok, Gini, Kiger, Lora, *Nelson, G.L., and *Moran, Edward, 2001, Preliminary results of a high-resolution seismic imaging investigation on St. Paul Island, Pribilof Islands, Alaska [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 1204.
- Drake, Jeff, Layer, P.W., *Mangan, M.T., *Miller, T.P., and *Waythomas, C.F., 2001, ⁴⁰Ar/³⁹Ar age constraints on caldera formation of the Emmons Lake volcanic center, Alaska Peninsula, Alaska [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 1405.
- Duk-Rodkin, Alejandra, Barendregt, R.W., and *Weber, Florence, 2001, Traces of old glaciations in east-central Alaska [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 320.
- *Dumoulin, J.A., *Harris, A.G., Young, L.E., and *Blome, C.D., 2001, Sedimentologic and paleontologic constraints on setting and age of the Red Dog Zn-Pb-Ag massive sulfide deposit, western Brooks Range, Alaska [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 272.
- *Dusel-Bacon, Cynthia, and Murphy, J.M., 2001, Apatite fission-track evidence of widespread Eocene heating and exhumation in the Yukon-Tanana Upland, interior Alaska: Canadian Journal of Earth Science, v. 39, no. 8, p. 1191–1204.
- *Dusel-Bacon, Cynthia, *Wooden, J.L., and Bressler, J.R., 2001, New U-Pb zircon and geochemical evidence for bimodal Mid-Paleozoic magmatism and syngenetic base

- metal mineralization in the Yukon-Tanana terrane, Alaska [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 185–186.
- *Emsbo, Paul, 2001, Gold in sedex deposits, *in* Hagemann, S.G., and Brown, P.E., eds., 2001, Gold in 2000: Reviews in Economic Geology, v. 13, p. 427–427.
- Farris, D.W., *Haeussler, P.J., and Rieser, Michael, 2001, Formation of the Kodiak batholith—a consequence of spreading ridge subduction [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 1354.
- George, Rhiannon, Turner, Simon, Hawkesworth, Chris, Nye, Chris, *Bacon, Charles, Stelling, Peter, and Dreher, Scott, 2001, Chemical versus temporal controls on evolution of tholeiitic and calc-alkaline volcanoes in the Aleutian arc [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 1200.
- Ghent, E.D., Roeske, Sarah, Stout, M.Z., *Bradshaw, J.Y., and *Snee, Larry, 2001, Mesozoic granulite facies metamorphism of the Pitka mafic-ultramafic complex, northern Alaska [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 249–250.
- *Glen, J.M.G., 2001, Regional faulting associated with the southern Alaska orocline [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 1203.
- *Gray, J.E., 2001, Mercury methylation and environmental effects of inactive mercury mines in the Circum-Pacific region [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 20, p. 93.
- Gu, Yingxin, Rose, W.I., and *Schneider, D.J., 2001, Advantageous GOES IR results for volcanic ash mapping at high latitudes—Cleveland eruptions 2001 [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 1360.
- *Haeussler, P.J., *Bradley, D.C., *Wells, Ray, Rowley, D.B., *Miller, Marti, *Ottoman, Aaron, and *Labay, Keith, 2001, Life and death of the Resurrection Plate—evidence for an additional plate in the NE Pacific in Paleocene-Eocene time [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 1118.
- *Hamilton, T.D., 2001, Quaternary glacial, lacustrine, and fluvial interactions in the western Noatak basin, northwest Alaska: Quaternary Science Reviews, v. 20, no. 1–3, p. 371–391.
- Hancock, J.R., Werner, Al, *Waythomas, C.F., and Kaufman, D.S., 2001, Reconstructing the ashfall history of the Anchorage Alaska area [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 1, p. 66.
- *Houseknecht, D.W., and *Bird, K.J., 2001, From boundaries to barrels—sequences stratigraphy and petroleum resource assessment of federal land in northern Alaska [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 354.
- *Josberger, E.G., Meadows, G.A., Shuchman, R.A., and Payne, John, 2001, Sediment control of convection in glacier dammed lakes [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 556.
- *Kelley, K.D., *Leach, D.L., *Slack, J.F., *Anderson, V.M., Clark, J.L., *Ayuso, R.A., and *Ridley, W.I., 2001, Evolution of trace element compositions in sphalerite and pyrite through time in the Zn-Pb-Ag shale-hosted Red Dog deposits, western Brooks Range, Alaska [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 272.
- Kerrich, Robert, *Goldfarb, Richard, Groves, David, and Garwin, Steven, 2001, The geodynamics of world-class gold deposits: characteristics, space-time distribution, and origins, *in* Hagemann, S.G., and Brown, P.E., eds., 2001, Gold in 2000: Reviews in Economic Geology, v. 13, p. 501–551.
- LePain, D.L., *Adams, K.E., and Mull, C.G., 1999, Measured section and interpretation of the Tingmerkpuk sandstone (Neocomian), northwestern DeLong Mountains, western Arctic Slope Alaska, *in* Pinney, D.S., and Davis, P.K., eds., Short notes on Alaska geology, 1999: Alaska Division of Geological and Geophysical Surveys Professional Report 229, p. 45–62.
- Lewchuk, M.T., *Leach, David, Symons, David, and Elmore, R.D., 2001, Paleomagnetic dating of mineralization at Red Dog and the Mesozoic tectonic history of the Brooks Range, Alaska [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 272.
- *Lu, Zhong, *Power, J.A., McConnell, V.S., *Wicks, Charles, and *Dzurisin, Daniel, 2001, Eruptive activity and ground deformation revealed by satellite radar interferometry at Makushin volcano, Alaska—1993–2000 [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 273.
- *Manies, K.L., *Harden, J.W., and *King, S.L., 2001, The role of woody debris in boreal forest recovery after fire [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 184.
- Mankowski, L.C., Riley, C.M., Rose, W.I., and *McGimsey, R.G., 2001, Mapping ash grain-size distribution from the August 18, 1992, eruption of Mt. Spurr [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 1379.
- *Marsh, Erin, *Goldfarb, Richard, Hart, Craig, and *Johnson, Craig, 2001, The Clear Creek intrusion-related gold deposit, Tintina Gold Belt, Yukon Canada [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 420.
- *McNamara, D.E., and *Benz, Harley, 2001, Three-dimensional P and S wave velocity structure of the Alaskan subduction zone [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 1203.
- McNutt, S.R., Marzocchi, Warner, and *Power, J.A., 2001, Simultaneous earthquake swarms and eruptions in Alaska, fall 1996 [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 811.
- Meier, M.F., Cohn, John, *Krimmel, R.M., and Pfeiffer, W.T., 2001, The past and future dynamics of Columbia Glacier, Alaska [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 535.
- *Molnia, B.F., 2001, Assessing the response of Alaskan glaciers to Post-Little Ice Age climate change [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 541.

- *Moran, S.C., *Power, J.A., and Stihler, S.D., 2001, Volcanic earthquake triggered by dynamic stresses associated with nearby tectonic earthquakes—constraints from the Katmai Group volcanoes, Alaska [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 837–838.
- *Muhs, D.R., *Ager, T.A., and Begét, J.E., 2001, Vegetation and paleoclimate of the Last Interglacial period, central Alaska: *Quaternary Science Reviews*, v. 20, no. 1–3, p. 41–61.
- *Nokleberg, W.J., Bundtzen, T.K., *Brew, D.A., and *Plafker, George, 1995, Metallogenesis and tectonics of porphyry copper, molybdenum (gold, silver), and granitoid-hosted gold deposits of Alaska, *in* Schroeter, T.G., ed., *Porphyry deposits of the northwest Cordillera of North America: Canadian Institute of Mining, Metallurgy and Petroleum Special Volume 46*, p. 103–141.
- Pfeffer, W.T., *Krimmel, R.M., and Meier, M.F., 2001, Heterogeneity of strain rate and the location of fracture events leading to iceberg calving, Columbia Glacier, Alaska [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 529.
- *Phillips, R.L., *Ager, T.A., *Barron, J.A., and *Starratt, Scott, 2001, Diamictite from the Chukchi Sea—evidence of northern glaciation during the Late Miocene and Early Pliocene [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 798–799.
- *Plafker, George, Synolakis, C.E., and Okal, E.A., 2001, New near-source tsunami field data for the April 1, 1946 Aleutian earthquake, Alaska [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 819.
- *Potter, C.J., and *Moore, T.E., 2001, Application of regional structural interpretations to oil and gas assessments of federal lands in the frontal Brookian deformed belt of Alaska's North Slope [abs.]: *Geological Society of America Abstracts with Programs*, v. 33, no. 6, p. 353–354.
- Rioux, M.E., Mehl, Luc, Hacker, B.R., Mattinson, J.M., Gans, Phillip, and *Wooden, J.L., 2001, Understanding island arc evolution through U/Pb and ⁴⁰Ar/³⁹Ar geochronology of the Talkeetna Arc, south-central Alaska [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 1200.
- Rioux, Matthew, Mehl, Luc, Hacker, Bradley, Mattinson, James, and *Wooden, J.L., 2001, Understanding island arc thermal structure through U-Pb and ⁴⁰Ar-³⁹Ar geochronology of the Talkeetna arc section, south-central Alaska [abs.]: *Geological Society of America Abstracts with Programs*, v. 33, no. 6, p. 256–257.
- Roeske, S.M., Ghent, E.D., Stout, M.Z., and *Bradshaw, J.Y., 2001, Thickened ocean crust or basal island arc origin for the Pitka Mafic-ultramafic Complex, northern Alaska [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 1237.
- Roman, D.C., *Power, J.A., and *Moran, S.C., Cashman, K.V., and Stihler, S.D., 2001, Unrest at Iliamna volcano, Alaska in 1996—evidence for a magmatic intrusion? [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 1329.
- Rose, W.I., Bluth, G.J.S., *Schneider, D.J., Ernst, G.J., Riley, C.M., Henderson, L.J., and *McGimsey, R.G., 2001, Observations of volcanic clouds in their first few day of atmospheric residence—the 1992 eruptions of Crater Peak, Mount Spurr volcano, Alaska: *Journal of Geology*, v. 109, no. 6, p. 677–694.
- *Saltus, R.W., *Haeussler, P.J., and *Phillips, J.D., 2001, Geophysical mapping of subsurface structures in the Upper Cook Inlet basin, Alaska [abs.]: *Geological Society of America Abstracts with Programs*, v. 33, no. 6, p. 345.
- *Saltus, R.W., Hudson, T.L., and *Phillips, J.D., 2001, Basement geophysical interpretation of the National Petroleum Reserve Alaska (NPR), northern Alaska [abs.]: *Geological Society of America Abstracts with Programs*, v. 33, no. 3, p. 45.
- *Schneider, D.J., Prata, F.J., Gu, Yingzin, Watson, Matthew, and Rose, W.I., 2001, Use of MODIS for volcanic eruption cloud detection, tracking, and measurement—examples from the 2001 eruption of Cleveland volcano, Alaska [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 1356.
- *Slack, J.F., *Kelley, K.D., *Anderson, V.M., Clark, J.L., and *Ayuso, R.A., 2001, Geochemistry of silicified rocks in the Red Dog Zn-Pb-Ag district, western Brooks Range, Alaska—evidence for multistage diagenetic and hydrothermal fluid flow and fluid-rock reactions [abs.]: *Geological Society of America Abstracts with Programs*, v. 33, no. 6, p. 272.
- *Stephens, C.D., and *Chouet, B.A., 2001, Evolution of the December 14, 1989 precursory long-period event swarm at Redoubt volcano, Alaska: *Journal of Volcanology and Geothermal Research*, v. 109, no. 1–3, p. 133–148.
- *Stottlemeyer, Robert, 2001, Biogeochemistry of a treeline watershed, northwestern, Alaska: *Journal of Environmental Quality*, v. 30, no. 6, p. 1990–1998.
- *Trabant, D.C., and *Krimmel, R.M., 2001, Hubbard Glacier will block the entrance to Russell Fiord, Alaska [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 531–532.
- *Verplanck, P.L., *Mueller, S.H., *Nordstrom, K.K., *Goldfarb, R.J., *Sanzolone, R.F., Youcha, E.K., and Roller, Michelle, 2001, Arsenic variability in ground water, Ester Dome, Alaska [abs.]: *Geological Society of America Abstracts with Programs*, v. 33, no. 6, p. 54.
- *Waythomas, C.F., 2001, Formation and failure of volcanic debris dams in the Chakachatna River valley associated with eruptions of the Spurr volcanic complex, Alaska: *Geomorphology* v. 39, no. 3–4, p. 111–129.
- *Waythomas, C.F., *Mangan, M.T., *Miller, T.P., Layer, P.L., and *Trusdell, F.A., 2001, Caldera-forming eruptions of the Emmons Lake volcanic center, Alaska Peninsula, Alaska—probable source of the Dawson Creek tephra in Yukon Territory, Canada [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 1405.
- *Waythomas, C.F., *Miller, T.P., and Begét, J.E., 2000, Record of Late Holocene debris avalanches and lahars at Iliamna

- Volcano, Alaska: *Journal of Volcanology and Geothermal Research*, v. 104, no. 1–4, p. 97–130.
- *Woodruff, L.G., *Harden, J.W., *Cannon, W.F., and *Gough, L.P., 2001, Mercury loss from the forest floor during wildland fire [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 199.
- Zhuang, Qianiai, Clein, J.S., *McGuire, D.A., Dargaville, R.J., Kicklighter, D.W., Melillo, J.M., Hobbie, J.E., and Rastetter, E.B., 2001, Modeling the effects of soil thermal dynamics on the seasonality of carbon fluxes across northern temperate and high latitude regions [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 181.