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## PUBLICATION LIST FROM THE ALASKA DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS (DGGS) NORTH SLOPE PROGRAM (1994-PRESENT)

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- Decker, P.L., LePain, D.L., Wartes, M.A., Gillis, R.J., Mongrain, J.R., Kirkham, R.A., and Shellenbaum, D.P., *in revision*, Sedimentology, Stratigraphy, and Subsurface Expression of Upper Cretaceous Strata in the Sagavanirktok River Area, east-central North Slope, Alaska: Alaska Division of Geological and Geophysical Surveys Preliminary Interpretive Report 2016-X
- LePain, D.L. and Wartes, M.A., *in revision*, Measured sections of the Permian Echooka and Triassic Ivishak Formations, Shaviovik River, eastern Sagavanirktok Quadrangle: Alaska Division of Geological and Geophysical Surveys Preliminary Interpretive Report 2016-X
- Decker, P.L. and LePain, D.L., *in review*, Subsurface relationships of Albian-Cenomanian shallow marine to nonmarine topsets of the Nanushuk Formation, northwestern NPRA: DGGS Report of Investigations 2016-X-1
- LePain, D.L. and Decker, P.L., *in review*, Lithofacies analysis of the Wainwright #1 continuous core, western Arctic Slope, Alaska: Transition from lower to upper delta plain environments in the Nanushuk Formation: DGGS Report of Investigations 2016-X-2
- Helmold, K.P., *in review*, Sedimentary petrology and reservoir quality of Lower Cretaceous Nanushuk sandstones, USGS Wainwright #1 test well, western North Slope, Alaska, DGGS Report of Investigations 2016-X-3
- Shimer, G.T., Benowitz, J.A., Layer, P.W., McCarthy, P.J., Hanks, C.L., and Wartes, M.A., 2016,  $^{40}\text{Ar}/^{39}\text{Ar}$  ages and geochemical characterization of Cretaceous bentonites in the Nanushuk, Seabee, Tuluva, and Schrader Bluff formations, North Slope, Alaska: *Cretaceous Research*, v. 57, p. 325-341.
- van der Kolk, D.A., Whalen, M.T., and Wartes, M.A., 2015, Source-rock potential of the Lower Cretaceous Pebble shale unit, northeastern Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2015-1, 37 p. doi:[10.14509/29401](https://doi.org/10.14509/29401)
- Dumoulin, J.A., and Whalen, M.T., 2015, Reconnaissance investigation of the Lisburne Group in the Cobblestone Creek area, Chandler Lake Quadrangle, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2015-2, 18 p. doi:[10.14509/29403](https://doi.org/10.14509/29403)
- Flaig, P.P., and van der Kolk, D.A., 2015, Depositional environments of the Prince Creek Formation along the east side of the Toolik River, Sagavanirktok Quadrangle, North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2015-4, 17 p., 1 sheet. doi:[10.14509/29407](https://doi.org/10.14509/29407)
- Herriott, T.M., Wartes, M.A., Decker, P.L., Gillis, R.J., Shellenbaum, D.P., Mauel, D.J., and Helmold, K.P., 2015, Geologic map of the Umiat-Gubik area, central North Slope, Alaska - Integration of fieldwork and subsurface data in a region of known oil and gas accumulations (poster): Geological Society of America, Cordilleran Section Annual Meeting, May 11-13, 2015, Anchorage, Alaska: Alaska Division of Geological & Geophysical Surveys, 1 sheet. doi:[10.14509/29442](https://doi.org/10.14509/29442)

- Wartes, M.A., Decker, P.L., Gillis, R.J., Herriott, T.M., and LePain, D.L., 2014, Regional Stratigraphy of the Brookian Sequence: A Summary of Underexplored Deep-water Plays on the North Slope, Alaska: Alaska Geological Society Annual Technical Conference Abstracts: <http://dgg.alaska.gov/pubs/id/29545>
- Wallace, W.K., Wartes, M.A., Decker, P.L., Delaney, P.R., Gillis, R.J., Loveland, A.M., and Reifensuhl, R.R., 2014, Interpretations of seismic reflection data and structural cross sections for the Kavik River map area, Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigation 2011-3B, 19 p., 3 sheets. doi:[10.14509/25399](https://doi.org/10.14509/25399)
- Wentz, R., 2014, Fracture Characteristics and Distribution in Cretaceous Rocks Near the Umiat Anticline, North Slope of Alaska: University of Alaska, Fairbanks MS Thesis, 171 p.
- Gillis, R.J., Decker, P.L., Wartes, M.A., Loveland, A.M., and Hubbard, T.D., 2014, Geologic map of the south-central Sagavanirktok Quadrangle, North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigation 2014-4, 24 p., 2 sheets, scale 1:63,360. doi:[10.14509/29138](https://doi.org/10.14509/29138)
- Hutton, E., 2014, Surface to Subsurface Correlation of the Shublik Formation: Implications for Triassic Paleocyanography and Source Rock Accumulation: University of Alaska, Fairbanks MS Thesis.
- Sanders, C., 2014, Structure and Kinematics of the Big Bend Anticline Area, Umiat A-4 Quadrangle, Brooks Range Foothills, Alaska: University of Alaska, Fairbanks MS Thesis.
- Houseknecht, D.W., and Wartes, M.A., 2013, Clinof orm Deposition Across a Boundary Between Orogenic Front and Foredeep – an Example from the Lower Cretaceous in Arctic Alaska: Terra Nova, v. 25, p. 206-211.
- Wartes, M.A., Decker, P.L., Gillis, R.J., Herriott, T.M., and LePain, D.L., 2013, Predicting Deep Water Reservoirs in the Brookian Sequence: Underexplored Plays on the North Slope, Alaska: American Association of Petroleum Geologists 3P Arctic Conference.
- Shimer, G., 2013, Sedimentology and Stratigraphy of the Nanushuk Formation and Related Foreland Basin Deposits, North Slope, Alaska: University of Alaska, Fairbanks Ph.D. Thesis.
- Wartes, M.A., 2012, Stratigraphy of Northern Alaska, with an Emphasis on the Cretaceous – Cenozoic Foreland Basin: Alaska Geological Society Fold & Thrust Belt Workshop, Anchorage, AK.
- Wartes, M.A., 2012, Summary of fossil fuel and geothermal resource potential in the North Slope energy region, in Swenson, R.F., Wartes, M.A., LePain, D.L., and Clough, J.G., Fossil fuel and geothermal energy sources for local use in Alaska: Summary of available information: Alaska Division of Geological & Geophysical Surveys Special Report 66H, p. 73-82. doi:[10.14509/24431](https://doi.org/10.14509/24431)
- Wartes, M.A., 2012, Summary of fossil fuel and geothermal resource potential in the Northwest Arctic energy region, in Swenson, R.F., Wartes, M.A., LePain, D.L., and Clough, J.G., Fossil fuel and geothermal energy sources for local use in Alaska: Summary of available information: Alaska Division of Geological & Geophysical Surveys Special Report 66I, p. 83-93. doi:[10.14509/24432](https://doi.org/10.14509/24432)
- Bigot-Buschendorf, M., Fillon, C., Mouthereau, F., Labrousse, L., Auxietre, J., Wartes, M.A., Moore, T.E., and van der Beek, P., 2012, Dynamics of Orogenic Processes in the Brooks Ranges, Alaska: Insights from Low-T Thermochronology: Geological Society of America Annual Meeting, Abstracts with Programs.
- Houseknecht, D.W. and Wartes, M.A., 2012, Early Cretaceous Wedgetop-Clinof orm Deposition along the Southern Margin of the Colville Foreland Basin, Arctic Alaska: American Association of Petroleum Geologists Annual Meeting.
- Wartes, M.A., Wallace, W.K., Loveland, A.M., Gillis, R.J., Decker, P.L., Reifensuhl, R.R., Delaney, P.R., LePain, D.L., and Carson, E.C., 2011, Geologic map of the Kavik River area, northeastern Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigation 2011-3A, 14 p., 1 sheet, scale 1:63,360. doi:[10.14509/22602](https://doi.org/10.14509/22602)
- Wartes, M.A., Decker, P.L., Houseknecht, D.W., Gillis, R.J., and LePain, D.L., 2011, Foreland Basin Response to Paleocene Rejuvenation in the Brooks Range, Northern Alaska: AAPG 3P Polar Petroleum Potential Meeting, Halifax, Nova Scotia, Canada: <http://dgg.alaska.gov/pubs/id/29547>
- Wartes, M.A., Wallace, W.K., Houseknecht, D.W., Swenson, R.F., Mull, C.G., Decker, P.L., and O'Sullivan, P.B., 2011, The Early to Middle Cretaceous Foreland Basin Record of Brooks Range Tectonics, Northern Alaska: Sixth International Conference on Arctic Margins, Fairbanks, AK

- Wartes, M.A., Decker, P.L., and Gillis, 2011, Improving the Nomenclature of the Brookian Depositional System in Northern Alaska: the Role of Sequence Stratigraphy: Pacific Section AAPG meeting, Anchorage, AK
- Herriott, T.M., Wartes, M.A., Newberry, R.J., Gillis, R.J., and Wallace, W.K., 2011, Geology, Geochemistry, and Regional Implications of Mafic Igneous Rocks in the Carboniferous Lisburne Group, Ivishak River Area, Northeastern Brooks Range, Alaska: Sixth International Conference on Arctic Margins, Fairbanks, AK.
- Wallace, W.K., Wartes, M.A., Decker, P.L., Delaney, P., Duncan, A., Gillis, R.J., Herriott, T.M., Loveland, A., Polkowski, S., Reifensstuhl, R.R., Sanders, C.M., Speeter, G., Swenson, R., 2011, Contrast in Style and evolution of Structures Between the Central and Eastern Foothills of the Brooks Range: Pacific Section AAPG meeting, Anchorage, AK
- Herriott, T.M., Wartes, M.A., Decker, P.L., Wallace, W.K., Gillis, R.J., Reifensstuhl, R.R., and Speeter, G., 2011, Structural and Stratigraphic Implications of Detailed Geologic Mapping of Ellesmerian and Brookian units in the Echooka And Ivishak Rivers Region, East-central North Slope, Alaska: Pacific Section AAPG meeting, Anchorage, AK
- Gillis, R.J., Decker, P.L., Wartes, M.A., and Loveland, A.M., 2011, Insights from Recent Geologic Mapping of the South-central Sagavanirktok Quadrangle, North Slope, Alaska: Pacific Section AAPG meeting, Anchorage, AK
- Wright, A., Martinez-Kulikowski, N., Decker, P.L., and Wartes, M.A., 2011, A Combined Chemostratigraphic, Lithostratigraphic and Sequence Stratigraphic Approach to the Characterization of Lower Cretaceous to Paleocene Formations of the Brookian Sequence, Alaskan North Slope Foothills: Geological Society of America Annual Meeting.
- van der Kolk, D.A., Whalen, M.T., Wartes, M.A., Newberry, R.J., and McCarthy, P., 2011, Geology and Source Rock Evaluation of the Lower Cretaceous Pebble Shale Unit, Northeastern Alaska: Pacific Section AAPG meeting, Anchorage, AK
- Herriott, T.M., Wartes, M.A., Gillis, R.J., Decker, P.L., Wallace, W.K., Loveland, A.M., Reifensstuhl, R.R., and LePain, D.L., 2011, Detailed Geologic Mapping and Overview of Structural and Stratigraphic Studies in the Sagavanirktok, Echooka, and Kavik Rivers Areas, East-central North Slope, Alaska: AAPG 3P Polar Petroleum Potential Meeting, Halifax, Nova Scotia, Canada
- Loveland, A.M., Wallace, W.K., Wartes, M.A., Gillis, R.J., Decker, P.L., Reifensstuhl, R.R., and Delany, P., 2011, Detailed Mapping in the Kavik River Area, Eastern North Slope, Alaska: New Constraints on Stratigraphy and Structural Style: Pacific Section AAPG meeting, Anchorage, AK
- Wartes, M.A., Decker, P.L., LePain, D.L., Gillis, R.J., and O'Sullivan, P., 2010, Late Cretaceous Depositional Systems in the Colville Foreland Basin, East-central North Slope, Alaska: Alaska Geological Society Annual Technical Conference Abstracts.
- van der Kolk, D., Whalen, M., Wartes, M., Newberry, R., and McCarthy, P., 2010, Geochemistry, Sedimentology, and Stratigraphy of the Lower Cretaceous Pebble Shale Unit, Northeastern Alaska: AAPG International Meeting, Calgary, Alberta, Canada
- Fiorillo, A.R., Decker, P.L., LePain, D.L., Wartes, M.A., McCarthy, P.J., 2010, A Probable *Neoceratopsian Manus* Track from the Nanushuk Formation (Albian, Northern Alaska): *Journal of Iberian Geology*, v. 36, no. 2, p. 165-174.
- Van der Kolk, D.A., 2010, Geochemistry, sedimentology, and stratigraphy of the Lower Cretaceous pebble shale unit, northeastern Alaska: University of Alaska Fairbanks, M.S. thesis, xiii, 116 p., illust., maps.
- Wright, A., Decker, P.L., and Wartes, M.A., 2010, Stratigraphic Characterization of Lower Cretaceous to Paleocene Formations of the Brookian Sequence, Alaskan North Slope Foothills, Using a Combined Chemostratigraphic and Sequence Stratigraphic Approach: American Association of Petroleum Geologists Annual Meeting.
- Speeter, G.G., 2010, Character and controls of fold-and-thrust deformation from pre-orogenic to foreland basin deposits: An example from the Gilead Creek region of the northeastern Brooks Range, Alaska: University of Alaska Fairbanks, M.S. thesis, 78 p.
- Wartes, M.A., Decker, P.L., LePain, D.L., Gillis, R.J., and O'Sullivan, P., 2009, New Constraints on the Evolution of Late Cretaceous Depositional Systems in the Colville Foreland Basin, East-central North Slope, Alaska: *Geological Society of America Abstracts with Programs*, Vol. 41, No. 7, p. 301

- Mull, C.G., Harris, E.E., Delaney, P.R., and Swenson, R.F., 2009, Geology of the Cobblestone Creek-May Creek area, east-central Brooks Range Foothills, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2009-5, 40 p., 1 sheet, scale 1:63,360. doi:[10.14509/19661](https://doi.org/10.14509/19661)
- Wartes, M.A., Wallace, W.K., Swenson, R.F., Houseknecht, D.W., Mull, C.G., and O'Sullivan, P.B., 2009 [invited], The Early to middle Cretaceous Foreland Basin Record of Brooks Range Tectonics, Northern Alaska: Penrose Conference, Geological Society of America: Tectonic Development of the Amerasia Basin.
- Harris, E.E., Delaney, P.R., Mull, C.G., LePain, D.L., and Burns, P.C., 2009, Geologic map of the Kanayut River area, Chandler Lake Quadrangle, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2009-7, 1 sheet, scale 1:63,360. doi:[10.14509/19781](https://doi.org/10.14509/19781)
- LePain, D.L., McCarthy, P.J., and Kirkham, Russell, 2009, Sedimentology and sequence stratigraphy of the middle Albian-Cenomanian Nanushuk Formation in outcrop, central North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigation 2009-1 v. 2, 76 p., 1 sheet. doi:[10.14509/19761](https://doi.org/10.14509/19761)
- Carson, E.C., 2009, Surficial-geologic map of the Kavik River area, west-central Mount Michelson Quadrangle, northeastern Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigation 2009-3, 1 sheet, scale 1:63,360. doi:[10.14509/19361](https://doi.org/10.14509/19361)
- Wallace, W.K., and 12 others, 2009, Mechanical stratigraphy and the structural geometry and evolution of the central and eastern foothills of the Brooks Range, northern Alaska: in Hanks, C.L., ed., Unraveling the timing of fluid migration and trap formation in the Brooks Range foothills: A key to discovering hydrocarbons: National Energy Technology Laboratory, Department of Energy, Final report for DOE award DE-FC26-06NT41248, Chapter 2, 34 pp.
- van der Kolk, D.A., Whalen, M.T., Wartes, M.A., Newberry, R.J., and McCarthy, P.J., 2009, A surface to subsurface correlation of the Lower Cretaceous Pebble Shale Unit, Northeastern Alaska: Alaska Geological Society annual Technical Conference abstracts
- Wright, M., Ratcliffe, K.T., Decker, P.L., and Wartes, M.A., 2009, Chemostratigraphic Characterization of lower Cretaceous to Paleocene Formations of the Brookian Sequence, Alaskan North Slope Foothills: Alaska Geological Society annual Technical Conference abstracts
- Wallace, W.K., Polkowski, S.J., Swenson, R.F., Wartes, M.A., 2009, Relations at the leading edge of the Endicott Mountains. Allochthon, east-central Brooks Alaska Geological Society annual Technical Conference abstracts
- Speeter, G., Wallace, W.K., and Decker, P.L., 2009, Preliminary geologic map of the Gilead syncline area, northeast Brooks Range, Alaska [abs.]: Alaska Geological Society Technical Conference Abstracts, p. 41.
- Speeter, G. and Wallace, W.K., 2009, Analysis of mechanical stratigraphy and structural architecture of the Gilead Creek area, northeastern Brooks Range, Alaska: Geological Society of America Annual Meeting abstracts, V. 41, No. 7, p. 570.
- Loveland, A.M., Gillis, B.G., Decker, P.L., and Wartes, M.A., 2009, Geologic map of the southcentral Sagavanirktok Quadrangle, North Slope, Alaska [abs.]: AGS annual meeting abstracts
- Decker, P.L., LePain, D.L., Wartes, M.A., Gillis, R.J., Mongrain, J.R., Kirkham, R.A., and Shellenbaum, D.P., 2009, Sedimentology, Stratigraphy, and Subsurface Expression of Upper Cretaceous Strata in the Sagavanirktok River Area, East-central north Slope, Alaska [abs.]: AGS annual meeting abstracts
- Wartes, M.A., and Decker, P.L., eds., 2008, Preliminary results of recent geologic field investigations in the Brooks Range Foothills and North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2008-1, 206 p. doi:[10.14509/16083](https://doi.org/10.14509/16083)
- Wartes, M.A., and Decker, P.L., 2008, Overview of recent geologic field investigations, North Slope and Brooks Range foothills, Alaska, in Wartes, M.A., and Decker, P.L., eds., Preliminary results of recent geologic field investigations in the Brooks Range Foothills and North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2008-1A, p. 1-10, 1 sheet. doi:[10.14509/16085](https://doi.org/10.14509/16085)
- Wartes, M.A., 2008, Measured section and facies analysis of the Lower Cretaceous Fortress Mountain Formation, Atigun syncline, northern Alaska, in Wartes, M.A., and Decker, P.L., eds., Preliminary results of recent geologic field

- investigations in the Brooks Range Foothills and North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2008-1B, p. 11-24, 1 sheet. doi:[10.14509/16086](https://doi.org/10.14509/16086)
- Wartes, M.A., 2008, Evaluation of stratigraphic continuity between the Fortress Mountain and Nanushuk Formations in the central Brooks Range foothills--Are they partly correlative?, in Wartes, M.A., and Decker, P.L., eds., Preliminary results of recent geologic field investigations in the Brooks Range Foothills and North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2008-1C, p. 25-39. doi:[10.14509/16087](https://doi.org/10.14509/16087)
- LePain, D.L., Decker, P.L., and Wartes, M.A., 2008, Measured sections and preliminary interpretations of the Nanushuk Formation exposed along the Colville River near the confluences with the Awuna and Killik rivers, in Wartes, M.A., and Decker, P.L., eds., Preliminary results of recent geologic field investigations in the Brooks Range Foothills and North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2008-1D, p. 41-45, 4 sheets. doi:[10.14509/16088](https://doi.org/10.14509/16088)
- Decker, P.L., and Wartes, M.A., 2008, Geochemistry of the Aupuk gas seep along the Colville River--Evidence for a thermogenic origin, in Wartes, M.A., and Decker, P.L., eds., Preliminary results of recent geologic field investigations in the Brooks Range Foothills and North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2008-1E, p. 47-54. doi:[10.14509/16084](https://doi.org/10.14509/16084)
- Decker, P.L., Wartes, M.A., Wallace, W.K., Houseknecht, D.W., Schenk, C.J., Gillis, R.J., and Mongrain, Jacob, 2008, Stratigraphic and structural investigations in the Ivishak River and Gilead Creek areas: Progress during 2007, in Wartes, M.A., and Decker, P.L., eds., Preliminary results of recent geologic field investigations in the Brooks Range Foothills and North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2008-1F, p. 55-83, 1 sheet. doi:[10.14509/16089](https://doi.org/10.14509/16089)
- LePain, D.L., Kirkham, Russell, Gillis, R.J., and Mongrain, Jacob, 2008, Turonian-Campanian strata east of the Trans-Alaska Pipeline corridor, North Slope foothills, Alaska: Progress during the 2001-02 and 2007 field seasons, in Wartes, M.A., and Decker, P.L., eds., Preliminary results of recent geologic field investigations in the Brooks Range Foothills and North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2008-1G, p. 85-134. doi:[10.14509/16090](https://doi.org/10.14509/16090)
- Mull, C.G, Houseknecht, D.W., and Pessel, G. H., 2008, Geologic map of Point Lay quadrangle, Alaska: U.S. Geological Survey Scientific Investigations Map 2817-E, scale 1:250,000.**
- Dumoulin, J.A., Whalen, M.T., and Harris, A.G., 2008, Lithofacies, age, and sequence stratigraphy of the Carboniferous Lisburne Group in the Skimo Creek area, central Brooks Range, in Haeussler, Peter J., and Galloway, John P., eds., Studies by the U.S. Geological Survey in Alaska, 2006: U.S. Geological Survey Professional Paper 1739-B, 64 p.
- LePain, D.L., Decker, P.L., Wartes, M.A., Gillis, R.J., Mongrain, J.R., Kirkham, R., and Shellenbaum, D.P., 2008, Sedimentology and Stratigraphy of Upper Cretaceous Strata in the Sagavanirktok River Area, East-central North Slope, Alaska: AAPG abstract
- Delaney, P.R., Loveland, A.M., Clough, J.G., and Wartes, M.A., 2008, Strain analysis of elliptical grains from a fold and thrust belt, Kavik River area, northeastern Alaska [abs.]: AAPG annual meeting abstracts.
- Duncan, A.S., 2007, Evolution of fractures and tertiary fold-and-thrust deformation in the central Brooks Range foothills, Alaska: University of Alaska Fairbanks, M.S. thesis, 159 p., illust., maps.
- Peapples, P.R., Wallace, W.K., Wartes, M.A., Swenson, R.F., Mull, C.G., Dumoulin, J.A., Harris, E.E., Finzel, E.S., Reifenhuth, R.R., and Loveland, A.M., 2007, Geologic map of the Siksikpuk River area, Chandler Lake Quadrangle, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2007-1, 1 sheet, scale 1:63,360. doi:[10.14509/15757](https://doi.org/10.14509/15757)
- Decker, P.L., 2007, Brookian sequence stratigraphic correlations, Umiat Field to Milne Point Field, west-central North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2007-2, 19 p., 1 sheet. doi:[10.14509/15758](https://doi.org/10.14509/15758)
- Kelly, L.N., Whalen, M.T., McRoberts, C.A., Hopkin, E., and Tomsich, C.S., 2007, Sequence stratigraphy and geochemistry of the upper Lower through Upper Triassic of Northern Alaska: Implications for paleoredox history, source rock

- accumulation, and paleoceanography: Alaska Division of Geological & Geophysical Surveys Report of Investigation 2007-1, 50 p. doi:[10.14509/15773](https://doi.org/10.14509/15773)
- Houseknecht, D.W., Schenk, C.J., and Wartes, M.A., 2007, Sedimentology and sequence stratigraphy of the Cretaceous Fortress Mountain and Torok Formations exposed along the Siksikpuk River, north-central Alaska: in, Haeussler, P.J., and Galloway, J.P., eds., Studies by the U.S. Geological Survey in Alaska, 2006: U.S. Geological Survey Professional Paper 1739-D, 20pp.
- White, J.G., 2007, Carbonate facies and sequence stratigraphy of the Carboniferous Lisburne group, Upper Nanushuk River region, central Brooks Range, Alaska: University of Alaska Fairbanks, M.S. thesis, 177 p.s.
- Wartes, M.A., Loveland, A.L., Wallace, W.K., Gillis, R. Peapples, P.R., Reifentstuh, R.R., and Mull, C.G., 2007, Geology of the Kavik River Area, East-central North Slope, Alaska: Preliminary Results of the 2006 STATEMAP project [abs.]: Alaska Geological Society Annual Technical Conference Abstracts.
- van der Kolk, D.A., Newberry, R.J., Whalen, M.T., and Wartes, M.A., 2007, A Characterization of the Pebble Shale Unit within the Northeast Brooks Range, Alaska: What's with the High Radioactive Zone? [abs.]: Alaska Geological Society Annual Technical Conference Abstracts.
- LePain, D.L., 2007, Sedimentology and Sequence Stratigraphy of the Nanushuk Formation, South-Central North Slope, Alaska [abs.]: Alaska Geological Society Newsletter.
- van der Kolk, D.A., Whalen, M.T., Wartes, M.A., and Newberry, R.J., 2007, A Characterization of the Pebble Shale Unit within the Northeast Brooks Range, Alaska: What's with the High Radioactive Zone? [abs.]: AAPG Annual Meeting Abstracts.
- Hudson, T.L., Nelson, P.H., Bird, K.J., and Huckabay, A., 2006, Exploration history (1964-2000) of the Colville High, North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Miscellaneous Publication 136 v. 1.0.2, 32 p. doi:[10.14509/14597](https://doi.org/10.14509/14597)
- Mull, C.G, Houseknecht, D.W., and Pessel, G. H., 2006, Geologic map of Utukok River quadrangle, Alaska: : U.S. Geological Survey Scientific Investigations Map 2817-D, scale 1:250,000.**
- Mull, C.G, Houseknecht, D.W., and Pessel, G. H., 2006, Geologic map of the Lookout Ridge quadrangle, Alaska: U.S. Geological Survey Scientific Investigations Map 2817-C, scale 1:250,000**
- Wartes, M.A., 2006, Slab detachment—an explanation for the mid-Cretaceous evolution of the Brookian Orogeny, northern Alaska [abs.]: Geological Society of America Abstracts with Program
- Dumoulin, J.A., 2006, The Lisburne Group of Northern Alaska: Regional Geology and Resource Implications [abs.]: Alaska Geological Society Newsletter.
- Decker, P.L., 2006, A Brief Overview of Alaska Petroleum Systems: Alaska GeoSurvey News, V. 9, No. 2, p. 1-6.
- Wartes, M.A., O'Sullivan, P.B., and Carroll, A.R., 2006, Enigmatic Permian U-Pb zircon ages from igneous clasts found in mid-Cretaceous deposits of the Colville Foreland Basin, northern Alaska [abs.]: Geological Society of America Abstracts with Program
- LePain, D.L., McCarthy, P., and Kirkham, R. 2006, Variations in facies stacking patterns in storm-influenced delta front and shoreface successions, Nanushuk Formation, central North Slope, Alaska [abs.]: Geological Society of America Abstracts with Program, v. 38, No. 5.
- Peapples, P.R., Swenson, R., Wartes, M.A., Wallace, W.K., Finzel, E.S., Mull, C.G., Decker, P., Dumoulin, J.A., Reifentstuh, R.R., and Harris, E.E., 2006, New detailed (1:63,360-scale) mapping of the Brooks Range northern foothills, Siksikpuk River area, central Brooks Range, Alaska [abs.]: Geological Society of America Abstracts with Program
- Whalen, M.T., Kelly, L., Hulm, E., Burruss, R.C., and Dumoulin, J.A., 2006, Sequence stratigraphy and geochemistry of the marine Triassic of Arctic Alaska, implications for Mesozoic paleogeography and oceanography [abs.]: Geological Society of America Abstracts with Program, v. 38, No. 5

- Duncan, A.S., Hanks, C.L., Wallace, W.K., O'Sullivan, P.B., and Parris, T.M., 2006, Evolution and timing of fractures and related map-scale structures of the central Brooks Range fold-and-thrust belt, northern Alaska [abs.]: Geological Society of America Abstracts with Programs, Vol. 38, No. 5, p. 89.
- Whalen, M.T., Dumoulin, J.A., Lukasic, J.J., and White, J.G., 2006, Simultaneous carbonate platform progradation and drowning, Lisburne Group, eastern and central Brooks Range, Alaska [abs.]: Geological Society of America Abstracts with Program, v. 38, No. 5
- White, J.G., and Whalen, M.T., 2006, Accumulation history, facies analysis, and reservoir potential of the Carboniferous Lisburne Group, Upper Nanushuk River drainage, central Brooks Range, Alaska [abs.]: Geological Society of America Abstracts with Program, v. 38, No. 5
- Wartes, M.A., Decker, P.L., Reifentstuh, R.R., Peapples, P., Finzel, E., Swenson, R., and Mull, C.G., 2006, Brooks Range foothills and North Slope Program [ext. abs.] Alaska Geology—Newsletter of the Alaska Geological Society, Volume 36, no. 5, p. 1-5.
- Peapples, P.R., Wallace, W.K., Finzel, E.S., and Mull, C.G., 2006, New Detailed (1:63,360-scale) Mapping of the Brooks Range Northern Foothills, Siksikpuk River area, Central Brooks Range, Alaska [abs.]: 2006 AAPG Annual Meeting Abstracts.
- Wallace, W.K., Duncan, A.S., Peapples, P.G., Swenson, R.F., Wartes, M.A., O'Sullivan, P.B., and Finzel, E.S., 2006, Geometry and evolution of the frontal part of an orogenic wedge, central Brooks Range Foothills, Alaska [abs.]: Geological Society of America Abstracts with Program, V. 38, No. 5, p. 24.
- Dumoulin, J.A., Whalen, M.T., Harris, A.G., and Slack, J.F., 2006, Paleogeographic and metallogenic implications of phosphatic rocks in the Lisburne Group (Permian-Carboniferous), northern Alaska [abs.]: Geological Society of America Abstracts with Program, v. 38, No. 5.
- Peapples, P.R., Wallace, W.K., Finzel, E.F., Mull, C.G., Wartes, M.A., Swenson, R.F., Reifentstuh, R.R., Decker, P.L., Dumoulin, J.A., Harris, E.E., Strauch, A.L., Duncan, A.S., LePain, D.L., Clautice, K.H., 2006, New detailed (1:63,360-scale) mapping of the Brooks Range northern foothills, Siksikpuk River area, central Brooks Range, Alaska [abs.]: American Association of Petroleum Geologists Annual Meeting
- Brown, P.J. II, Saltus, R.W., Peapples, P., Swenson, R.F., Duncan, A.S., and Wallace, W.K., 2006, Reduction procedures and implications of a high-resolution gravity traverse in the Brooks Range Foothills, Alaska [abs.]: Geological Society of America Abstracts with Programs, Vol. 38, No. 5, p. 83.
- Strauch, A.L., Hanks, C.L., Wallace, W.K., O'Sullivan, P.B., and Parris, T.M., 2006, Constraints on fracture evolution in the northeastern Brooks Range fold-and-thrust belt and Colville Basin, Alaska [abs.]: Geological Society of America Abstracts with Program, v. 38, No. 5.
- Finzel, E.S., and McCarthy, P.J., 2005, Architectural analysis of fluvial conglomerate in the Nanushuk Formation, Brooks Range Foothills, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2005-2, 18 p. doi:[10.14509/7021](https://doi.org/10.14509/7021)
- White, J.G., 2005, Preliminary investigation of the Lisburne Group, upper Nanushuk River region, central Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2005-3, 23 p. doi:[10.14509/7164](https://doi.org/10.14509/7164)
- Mull, C.G, Houseknecht, D.W., and Pessel, G. H., 2005 Geologic map of the Ikpikpuk River quadrangle, Alaska: U.S.**

**Geological Survey Scientific Investigations Map 2817-B, scale 1:250,000.**

- Kirkham, R., 2005, Sedimentology, petrology and reservoir characterization of the Torok Formation, Brooks Range foothills, Alaska: M.S. thesis, University of Alaska Fairbanks.
- Wartes, M.A., Reifentstuh, R.R., Finzel, E., Peapples, P., Harris, E., Swenson, B., Schafer, D., Mull, C.G., 2005, Brooks Range Foothills and North Slope Program [ext. abs.]: Alaska Geology—Newsletter of the Alaska Geological Society, v. 35, no. 3.

- Finzel, E.S., 2004, Architectural analysis and fold geometry of syntectonic fluvial conglomerate in the Nanushuk Formation, Brooks Range foothills, Alaska: University of Alaska Fairbanks, M.S. thesis, 230 p., illust., maps.
- Duncan, A.S., Hanks, C.L., Wallace, W.K., O'Sullivan, P.B., and Parris, T.M., 2005, Evolution and timing of fractures and related map-scale structures of the central Brooks Range fold-and-thrust belt, Northern Alaska [abs.]: Geological Society of America annual meeting.
- Peapples, P.R., Saltus, R.W., Swenson, R., Brown, P.J., 2005; Structural implications of new geologic mapping and a detailed gravity traverse in the Brooks Range Foothills, Chandler Lake Quadrangle, northern Alaska [abs.]: Eos Trans. AGU, v. 86, no. 52, Abstract T11B-0380.
- Duncan, A.S., Hanks, C.L., Wallace, W.K., and O'Sullivan, P.O., 2005, Evolution and timing of fractures and related map-scale structures of the central Brooks Range fold-and-thrust belt, Northern Alaska [abs.]: Alaska Geological Society Technology Conference Abstract.
- Wartes, M.A., and Swenson, R., 2005, New constraints on the structural and stratigraphic development of the proximal Colville Foreland Basin: Implications for burial history and oil and gas exploration in the central Brooks Range Foothills, northern Alaska [abs.]: Joint meeting Pacific Section AAPG & Cordilleran Section GSA
- Wartes, M.A., and Swenson, R., 2005, Reconstructing the evolution of the Brooks Range orogenic wedge: Preliminary structural and stratigraphic evidence from the Siksikuk River area, northern Alaska [abs.]: Alaska Geological Society Technology Conference, Abstracts Volume, Fairbanks, AK.
- Whalen, M.T., Dumoulin, J.A., Lukasic, J.J., McGee, M.M., White, J.G., and Toendel, T.D., 2005, Carboniferous phosphorite deposition and carbonate platform drowning, Lisburne Group, central Brooks Range, Alaska [abs.]: Geological Society of America Abstracts with Program, v. 37, no. 4, p. 93.
- Elder, W.P., and Loveland, Andrea, 2004, 2003 Megafossil report from the Chandler Lake Quadrangle, North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2004-2, 5 p. doi:[10.14509/3235](https://doi.org/10.14509/3235)
- Reifenstuhl, R.R., and Loveland, Andrea, 2004, Reservoir characterization study: porosity and permeability of 148 Tertiary to Mississippian age outcrop samples, east-central Brooks Range Foothills and North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2004-5, 21 p. doi:[10.14509/3312](https://doi.org/10.14509/3312)
- Mull, C.G, Houseknecht, D.W., and Pessel, G. H., 2004, Geologic map of the Umiat quadrangle, Alaska: U.S. Geological Survey Scientific Investigations Map 2817-A, scale 1:250,000.**
- LePain, D.L., McCarthy, P.J., and Kirkham, R., 2004, Outcrop Expression of Sequence Boundaries in the Albian-Cenomanian Nanushuk Formation, Central North Slope, Alaska [abs]: AAPG Annual Meeting Abstracts.
- Finzel, E., 2004, Facies Architecture and Syntectonic Fold Geometry of Cretaceous Nanushuk Formation Conglomerate, Brooks Range Foothills, Alaska: University of Alaska, Fairbanks Masters Thesis.
- Kelly, L., 2004, High Resolution Sequence Stratigraphy and Geochemistry of Middle and Upper Triassic Sedimentary Rocks, Northeast and Central Brooks Range, Alaska: University of Alaska, Fairbanks Masters Thesis.
- McCarthy, P.J., 2003, Alluvial facies and paleosols in the Cretaceous Nanushuk formation, Kanayut River, North Slope, Alaska, Preliminary results from the 2001 field season: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2003-1, 19 p. doi:[10.14509/2920](https://doi.org/10.14509/2920)
- Finzel, E.S., McCarthy, P.J., and Wallace, W.K., 2003, Facies architecture and syntectonic fold geometry of fluvial conglomerates in the Cretaceous Nanushuk Formation, Brooks Range foothills, Alaska [abs.]: Alaska Geological Society Science and Technology Conference, Abstracts volume, p. 33.
- Kirkham, R., LePain, D., and McCarthy, P., 2003, Sedimentology, petrology, and reservoir characterization of the Torok Fm., Brooks Range foothills, Alaska [abs.]: Alaska Geological Society Science and Technology Conference, Abstracts volume, Fairbanks, Alaska, p. 43.
- Wallace, W. K., 2003, Geometry and evolution of detachment folds in deformed foreland basin deposits of the Brooks Range foothills, northern Alaska [abs.]: AAPG Annual Meeting, v. 12, p. A177.

- Reifenstuhel, R.R., and Reifentuhel, A.E., 2003, Preliminary petrographic study of 11 Mississippian to Tertiary age sandstones, Sagavanirktok Quadrangle, Brooks Range foothills and North Slope, Alaska, in Clautice, K.H., and Davis, P.K., eds., *Short Notes on Alaska Geology 2003: Alaska Division of Geological & Geophysical Surveys Professional Report 120F*, p. 71-81. doi:[10.14509/2913](https://doi.org/10.14509/2913)
- Finzel, E. S., McCarthy, P. J. and Wallace, W. K., 2003, Facies architecture and syntectonic fold geometry of fluvial conglomerate in the Cretaceous Nanushuk Formation, Brooks Range foothills, Alaska [abs.]: American Association of Petroleum Geologists, Pacific Section Meeting, Abstracts volume.
- Kelly, L.N., and Whalen, M.T., 2003, High resolution sequence stratigraphy, geochemistry, and paleoenvironmental interpretation of Triassic upwelling zone deposits, northern, Alaska: implications for paleoredox conditions and paleoceanography [abs.]: Alaska Geological Society Geology Symposium, Abstracts Volume, p. 42.
- Harris, Ron, Moore, Tom, and Mull, C.G., 2003 Reply to paper by Hudson, et al on emplacement of Asik Mountain and related ultramafic complexes: *Geology*, v. 31, p. 91-92.
- Mull, C.G., Houseknecht, D.W., and Bird, K.J., 2003, Revised Cretaceous and Tertiary stratigraphic nomenclature in the Colville basin, northern Alaska: U.S. Geological Survey Professional Paper 1673, 51 p.,
- Wartes, M.A., and Carroll, A.R., 2003, Provenance analysis of the Lower Cretaceous Colville Foreland Basin; new constraints on the unroofing history of the Brooks Range, Northern Alaska [abs.]: Geological Society of America Abstracts with Programs
- Finzel, E. S., McCarthy, P. J., Wallace, W. K., and LePain, D. L., 2003, Architectural analysis and fold geometry of syntectonic fluvial conglomerate in the Nanushuk Formation, Brooks Range foothills, Alaska [abs.]: Geological Society of America, Abstracts with Programs, v. 34, no. 7, p. 509.
- Wartes, M.A., 2003, Exploring the possible role of slab detachment in the mid-Cretaceous tectonic and sedimentary evolution of northern Alaska [abs.]: Fourth International Conference on Arctic Margins, Halifax NS, Canada.
- LePain, D.L., Kirkham, R., and McCarthy, P.J., 2002, Shoreline to basin transition (?) in Albian-Cenomanian strata east of the Sagavanirktok River, Brooks Range foothills, Alaska [abs.]: AAPG Pacific Section/SPE Regional Conference, Program and Abstracts, p. 87.
- Harris, E.E., Mull, C.G., Reifentuhel, R.R., and Montayne, Simone, 2002, Geologic map of the Dalton Highway (Atigun Gorge to Slope Mountain) area, southern Arctic Foothills, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2002-2, 1 sheet, scale 1:63,360. doi:[10.14509/2867](https://doi.org/10.14509/2867)
- McCarthy, P.J. and LePain, D.L., 2002. Paleosols in the Nanushuk Formation, Brooks Range foothills, Alaska: preliminary observations and sequence stratigraphic implications [abs.]: AAPG Pacific Section /SPE Regional Conference.
- Wartes, M.A., 2002, Deposition of the Lower Cretaceous Fortress Mountain Formation: constraints on the tectonic evolution of the Brooks Range [abs.]: *Alaska Geology—Newsletter of the Alaska Geological Society*, v. 32, no. 2.
- Mull, C.G., Harris, E.E., Reifentuhel, R.R., and LePain, D.L., and Peapples, Paige R., 2002, Organic-rich Triassic-Jurassic rocks, thermal maturity anomalies, and oil and gas source rock potential, Brooks Range disturbed belt and southern Colville Basin, North Slope, Alaska [abs.]: Pacific Section AAPG
- Myers, M.D., 2002, Depositional architecture of slope-apron and basin-floor turbidite systems from the North Slope of Alaska to the Mackenzie Delta of Canada; examples from outcrops and oilfields [abs.]: AAPG Pacific Section and SPE Western Region conference, AAPG Bulletin, V. 86 N. 6, p. 1154-1155.
- Reifentuhel, R. R., 2002, Reservoir characterization pilot study: porosity, permeability, petrography, and facies analysis of 75 Tertiary to Mississippian age outcrop samples, east-central Brooks Range Foothills and North Slope, Alaska [abs.]: AAPG Annual Meeting, AAPG Bulletin vol. 85, no. 13.
- Wartes, M.A., and Carroll, A.R., 2002, Detailed facies analysis of the Lower Cretaceous Fortress Mountain Formation, Atigun Syncline, northern Alaska [abs.]: American Association of Petroleum Geologists Bulletin, v. 86, no. 6, p. 1162.
- LePain, D.L., and Kirkham, R., 2002, Stratigraphy of a Cenomanian estuarine complex in the Upper Nanushuk Formation, Ninuluk Bluff, Alaska [abs.]: Pacific Section AAPG Program and Abstracts, p. 87.

- Whalen, M. T., Kelly, L.N., Mull, C. G., Mickey, M., Banet, A., and Hulm, E.J., 2002, High Resolution Outcrop Stratigraphy and Surface-to-Subsurface Correlation of Upper Triassic Rocks, Northern Alaska [abs.]: American Association of Petroleum Geologists Pacific Section.
- Harris, E.E., Mull, C.G., Reifensuhl, R.R., LePain, D. L., and Peapples, Paige R., 2002, Detailed geologic mapping of the central Brooks Range foothills: Sagavanirktok River to Nanushuk River [abs.]: American Association of Petroleum Geologists Bulletin, v. 86, no. 6.
- Mull, C.G., Houseknecht, D.W., and Bird, K.J., 2002, New and revised Cretaceous and Tertiary stratigraphic nomenclature, east-central Colville basin, North Slope, Alaska [abs.]: Pacific Section AAPG.
- Whalen, M. T., and Kelly, L., 2002, High resolution sequence stratigraphy, geochemistry, and paleoenvironmental interpretation of Triassic upwelling zone deposits, northern Alaska [abs.]: Geological Society of America Abstracts with Programs, v. 34, p. 15-16.
- Kirkham, R., 2002, Composition of outer shelf sandstones in the Torok Formation, Brooks Range foothills, Alaska [abs.]: Pacific Section AAPG Program and Abstracts, p. 84.
- Kirkham, R., 2001, Petrology of Torok Formation sandstones from the central foothills area, central North Slope, Alaska [abs.]: Alaska Geological Society Science and Technology Conference, abstracts volume.
- Mull, C.G., Harris, E.E., Whalen, M. T., Mickey, M. B., and Banet, A., 2001, Organic-rich, Oil-prone Triassic-Lower Jurassic Source Rocks and a New Exploration play Type in Southern Colville Basin and East-central Brooks Range Foothills, Northern Alaska [abs.]: AAPG Annual Meeting, AAPG Bulletin, vol. 85, no. 13.
- Reifensuhl, R. R., 2001, Tectonic setting and provenance, petrography and reservoir characteristics of nine siliciclastic sandstone formations, Mississippian to Tertiary age, Sagavanirktok Quadrangle, east-central Brooks Range Foothills and Arctic Slope, Alaska [abs.]: AAPG Annual Meeting AAPG Bulletin vol. 85, no. 13.
- Spicer, R.A., Herman, A.B., 2001, The Albian flora of the Kukpowruk River, western North Slope, Alaska: stratigraphy, palaeofloristics, and plant communities: Cretaceous Research, v. 22, p. 1-40.
- LePain, D.L., and Kirkham R., 2001, Potential reservoir facies in the Nanushuk Formation (Albian-Cenomanian), central North Slope, Alaska: Examples from outcrop and core: in Houseknecht, D.W., ed., NPRA Core Workshop - Petroleum Plays and Systems in the National Petroleum Reserve-Alaska: SEPM Core Workshop No. 21, p.19-36.
- Mickey, M.B., and Haga, Hideyo, 2000, Biostratigraphy report, 129 outcrop samples, western De Long Mountains (Tingmerkpuq) North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2000-8, 99 p., 1 sheet, scale 1:250,000. doi:[10.14509/2667](https://doi.org/10.14509/2667)
- Mull, C.G., Harris, E.E., Houseknecht, D., and Freeman, P., 2000, USGS/DGGs North Slope electronic map compilation project [abs.]: Alaska Geological Society-Geophysical Society of Alaska Technology Conference.
- LePain, D. L., Kirkham, R. A., Ryherd, T., Clough, J. G., Reifensuhl, R. R. and McCarthy, P., 2000, Stratigraphic variations in the Nanushuk Group along the Nanushuk River between Arc Mountain and Rooftop Ridge, Brooks Range Foothills, Alaska: Implications for reservoir quality [abs.]: Alaska Geological Society & Geophysical Society of Alaska Science and Technical Conference, unpaginated Programs and Abstracts.
- Mull, C.G., 2000, Summary report on the geology and hydrocarbon potential of the foothills of the northwestern De Long Mountains, western Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 2000-9, 16 p. doi:[10.14509/2668](https://doi.org/10.14509/2668)
- Chmielowski, R.M., Wallace, W.K., and O'Sullivan, P.B., 2000, Duplex structure and Paleocene displacement of the Toyuk thrust zone near the Dalton Highway, north-central Brooks Range, in Pinney, D.S., and Davis, P.K., eds., Short Notes on Alaska Geology 1999: Alaska Division of Geological & Geophysical Surveys Professional Report 119B, p. 11-31. doi:[10.14509/2684](https://doi.org/10.14509/2684)
- Mull, C.G., Harris, E.E., Reifensuhl, R.R., and LePain, D.L., 2000, Hydrocarbon source rock potential in the Colville Basin, east-central North Slope foothills belt [abs.]: Alaska Geological Society & Geophysical Society of Alaska Science and Technical Conference.

- Hanks, C.L., Parker, M., and Jemison, E.B., 2000, Borehole breakouts and implications for regional in situ stress patterns of the northeastern North Slope, Alaska, in Pinney, D.S., and Davis, P.K., eds., Short Notes on Alaska Geology 1999: Alaska Division of Geological & Geophysical Surveys Professional Report 119C, p. 33-43. doi:[10.14509/2685](https://doi.org/10.14509/2685)
- Reifenstuhel, R. R., Mull, C. G., LePain, D. L., Harris, E. E., and Dickey, D. B., 2000, New Geologic Mapping in Cretaceous rocks of the Brooks Range foothills south of Prudhoe Bay, Sagavanirktok quadrangle, Alaska [abs.]: Alaska Geological Society & Geophysical Society of Alaska Science and Technical Conference.
- Reifenstuhel, R. R., Mull, C. G., LePain, D. L., Harris, E. E., and Dickey, D. B., 2000, New Geologic Mapping in Cretaceous rocks of the Brooks Range foothills south of Prudhoe Bay, Alaska, USA: AAPG Annual Meeting, AAPG Bulletin, v. 84, no. 13.
- LePain, D.L., Adams, K.E., and Mull, C.G., 2000, Measured section and interpretation of the Tingmerkpuk sandstone (Neocomian), northwestern De Long Mountains, western Arctic Slope, Alaska, in Pinney, D.S., and Davis, P.K., eds., Short Notes on Alaska Geology 1999: Alaska Division of Geological & Geophysical Surveys Professional Report 119D, p. 45-62. doi:[10.14509/2686](https://doi.org/10.14509/2686)
- Dow, W.G., 2000, Geochemical analysis of outcrop samples from Tingmerkpuk project: Alaska Division of Geological & Geophysical Surveys Raw Data File 2000-3, 66 p., 1 sheet, scale 1:250,000. doi:[10.14509/2660](https://doi.org/10.14509/2660)
- Reifenstuhel, R.R., Mull, C.G., Harris, E.E., LePain, D.L., Pinney, D.S., and Wallace, W.K., 2000, Geologic map of the Sagavanirktok B-1 Quadrangle, eastern North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigation 2000-1A, 15 p., 1 sheet, scale 1:63,360. doi:[10.14509/2675](https://doi.org/10.14509/2675)
- Reifenstuhel, R.R., Mull, C.G., Harris, E.E., LePain, D.L., and Wallace, W.K., 2000, Interpretive bedrock geologic map of the Sagavanirktok B-1 Quadrangle, eastern North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigation 2000-1B, 11 p., 1 sheet, scale 1:63,360. doi:[10.14509/2676](https://doi.org/10.14509/2676)
- Mull, C.G., Harris, E.E., Reifenstuhel, R.R., and Moore, T.E., 2000, Geologic map of the Coke Basin-Kukpowruk River area, De Long Mountains D-2 and D-3 quadrangles, Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigation 2000-2, 1 sheet, scale 1:63,360. doi:[10.14509/2737](https://doi.org/10.14509/2737)
- Pinney, DeAnne S., 2000, Reconnaissance engineering-geologic map of the Sagavanirktok B-1 quadrangle, eastern North Slope Alaska: Report of Investigations - Alaska, Division of Geological & Geophysical Surveys, 2000-1D, p. 2 (1 sheet)..
- LePain, D.L., and Adams, K.E., 1999, Stratigraphy and depositional setting of the Tingmerkpuk sandstone (Neocomian), northwestern De Long Mountains, western Arctic Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Preliminary Interpretive Report 1999-2, 5 p., 1 sheet, scale 1:127. doi:[10.14509/2244](https://doi.org/10.14509/2244)
- Mull, C.G., Reifenstuhel, R.R., Harris, E.E., Kirkham, R.A., and T.E. Moore, 1999, Future exploration plays in the western Colville Basin and National Petroleum Reserve, Alaska (NPRA) [abs.]: AAPG Annual meeting, AAPG Bulletin, v. 83, no. 13, p. A97.
- Mull, C. G., 1999, Exploration opportunities for Independents in Alaska: Program and abstracts, Annual Meeting of the Society of Independent Professional Earth Scientists (SIPES).
- LePain, D.L., Adams, K., and Mull, C.G., 1999, Outer-shelf to upper slope storm deposits in the Tingmerkpuk Sandstone (Neocomian), western North Slope, Alaska [abs.]: Alaska Geological Society Science and Technology Conference.
- Haga, Hideyo, and Mickey, M.B., 1999, Reworked palynomorph trends in Late-Jurassic to Neocomian strata of the Colville Delta Region, Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigation 99-8, 14 p. doi:[10.14509/2598](https://doi.org/10.14509/2598)
- Reifenstuhel, R. R., Mull, C. G., LePain, D. L., Harris, E. E., and Wallace, W. K., 1999 Sagavanirktok Quadrangle, North Slope, Alaska; new geologic mapping (1:250,000 and 1:63,360 scale) [abs.]: Arctic Science Conference, Science in the North; 50 years of change, v. 50, p. 216-217.
- Houseknecht, D. W., Schenk, C. J., LePain, D. L., Burruss, R. C., Moore, T. E., and Bird, K. J., 1999, Petroleum Potential of Torok and Nanushuk Depositional Sequences in the National Petroleum Reserve - Alaska (NPRA) and Adjacent Areas [abs.]: AAPG Bulletin, v. 83, no. 13.

- LePain, D.L., Adams, K., and Mull, C.G., 1999, Outer-shelf to upper slope storm deposits in the Tingmerkpuk sandstone (Neocomian), western North Slope, Alaska [abs.]: AAPG Bulletin Vol. 83, no.13.
- Mickey, M.B., and Haga, Hideyo, 1998, Micropaleontology of Cretaceous and Jurassic shales from the northwestern De Long Mountains, western Brooks Range, Alaska, 1994-1997: Alaska Division of Geological & Geophysical Surveys Public Data File 98-34, 193 p., 1 sheet, scale 1:250,000. doi:[10.14509/1860](https://doi.org/10.14509/1860)
- Dow, W.G., 1998, Organic geochemistry of Cretaceous, Jurassic, and Triassic shales from the northwestern De Long Mountains, western Brooks Range, Alaska, 1994-1997: Alaska Division of Geological & Geophysical Surveys Public Data File 98-35, 181 p., 1 sheet, 1 DVD. doi:[10.14509/1861](https://doi.org/10.14509/1861)
- Elder, W.P., 1998, Cretaceous and Jurassic megafossil collection, 1994-1996, Tingmerkpuk project, northwest De Long Mountains, western Arctic Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 98-38, 9 p., 1 sheet, scale 1:250,000. doi:[10.14509/1867](https://doi.org/10.14509/1867)
- Baesemann, J.F., Brenckle, P.L., and Gruzlovic, P.D., 1998, Composite standard correlation of the Mississippian-Pennsylvanian (Carboniferous) Lisburne Group from Prudhoe Bay to the Eastern Arctic National Wildlife Refuge, North Slope Alaska, in Clough, J.G., and Larson, Frank, eds., Short notes on Alaska geology 1997: Alaska Division of Geological & Geophysical Surveys Professional Report 118B, p. 23-36. doi:[10.14509/2329](https://doi.org/10.14509/2329)
- Banet, A.C., and Mowatt, T.C., 1998, Enigmatic source of oil from Chucki Sea, northwestern Alaska, in Clough, J.G., and Larson, Frank, eds., Short notes on Alaska geology 1997: Alaska Division of Geological & Geophysical Surveys Professional Report 118C, p. 37-51. doi:[10.14509/2330](https://doi.org/10.14509/2330)
- Decker, P.L., Wilson, G.C., Watts, A.B., and Work, David, 1998, Growth-position petrified trees overlying thick Nanushuk Group coal, Lili Creek, Lookout Ridge Quadrangle, North Slope Alaska, in Clough, J.G., and Larson, Frank, eds., Short notes on Alaska geology 1997: Alaska Division of Geological & Geophysical Surveys Professional Report 118E, p. 63-70. doi:[10.14509/2332](https://doi.org/10.14509/2332)
- Mull, C. G. and Harris, E. E., 1998, Western Arctic energy project (Tingmerkpuk): Alaska Division of Geological and Geophysical Surveys, Alaska GeoSurvey News, vol. 2, no. 2, June 1998, 3 p., 4 inserts.
- LePain, D.L., 1998, Paleotopographic control on deposition of the Lower Kayak Shale, northern Franklin Mountains, Brooks Range, Alaska, in Clough, J.G., and Larson, Frank, eds., Short notes on Alaska geology 1997: Alaska Division of Geological & Geophysical Surveys Professional Report 118F, p. 71-85. doi:[10.14509/2333](https://doi.org/10.14509/2333)
- Paegle, J.S., Layer, P.W., and West, A.W., 1998, Cooling history of the Okpilak Batholith, northeastern Brooks Range, as determined from potassium-feldspar thermochronometry, in Clough, J.G., and Larson, Frank, eds., Short notes on Alaska geology 1997: Alaska Division of Geological & Geophysical Surveys Professional Report 118G, p. 87-97. doi:[10.14509/2334](https://doi.org/10.14509/2334)
- Reifenstuhel, R.R., Wilson, M.D., and Mull, C.G., 1998, Petrography of the Tingmerkpuk Sandstone (Neocomian), northwestern Brooks Range, Alaska: A preliminary study, in Clough, J.G., and Larson, Frank, eds., Short notes on Alaska geology 1997: Alaska Division of Geological & Geophysical Surveys Professional Report 118I, p. 111-124. doi:[10.14509/2336](https://doi.org/10.14509/2336)
- Wartes, M.A., and Reifenstuhel, R.R., 1998, Preliminary petrography and provenance of six Lower Cretaceous sandstones, northwestern Brooks Range, Alaska, in Clough, J.G., and Larson, Frank, eds., Short notes on Alaska geology 1997: Alaska Division of Geological & Geophysical Surveys Professional Report 118K, p. 131-140. doi:[10.14509/2338](https://doi.org/10.14509/2338)
- Mull, C.G., Harris, E., Reifenstuhel, R.R., and Wartes, M.A., 1998, Exploration frontiers in Neocomian to Upper Jurassic sandstones, National Petroleum Reserve in Alaska (NPR) [abs.]: Alaska Geological Society and Technology Conference, Karl, S.M., ed., Abstracts Volume, Anchorage Alaska.
- Mull, C.G., Glenn, R.K., and Adams, K.E., 1997, Tectonic evolution of the central Brooks Range mountain front: Evidence from the Atigun Gorge region: Journal of Geophysical Research, vol. 102, no. B9, p.20749-20773.
- Moore, T.E., Wallace, W.K., Mull, C.G., Adams, K.E., Plafker, G., and Nokleberg, W.J., 1997, Crustal implications of bedrock geology along the Trans-Alaska Crustal Transect, northern Alaska: Journal of Geophysical Research, vol. 102, no. B9, p.20749-20773.

- Wartes, M.A., 1997, Mesozoic stratigraphy at Surprise Creek: preliminary evidence for anomalous Brookian tectonism and burial history, northwestern Brooks Range, Alaska [abs.]: Geological Society of America Abstracts with Programs, v. 29, no. 6, p. 274.
- Mull, C.G., Harris, A.G., and Carter, J.L., 1997, Lower Mississippian (Kinderhookian) biostratigraphy and lithostratigraphy of the western Endicott Mountains, west-central Brooks Range, in Dumoulin, J.S., and Gray, J.E., eds., Geological Studies in Alaska by the U.S. Geological Survey, 1995: U.S. Geological Survey Professional Paper 1574, p. 221-241.
- Mull, C.G., T.E. Moore, E.E., Harris, and I.L. Tailleir, 1996. Geologic map of the Killik River quadrangle, central Brooks Range, Alaska,: U.S. Geological Survey. Open-File Map 94-679, scale 1:125,000.
- Crowder, R. K., Mull, C. G., Adams, K. E., 1995, Lowstand Depositional Systems Related to Early Cretaceous Rifting of the Arctic Alaska Plate [abs.]: A New Stratigraphic Play on Alaska's North Slope: AAPG Pacific Section Meeting, AAPG Bulletin, vol. 79, no 4, p. 582,.
- Hanks, C.L., and Krumhardt, A.P., 1995, Distribution and character fractures in deformed carbonates of the Lisburne Group, northeastern Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 95-26, 42 p. doi:[10.14509/1705](https://doi.org/10.14509/1705)
- Dow, W.G., and Talukdar, S.C., 1995, Geochemical analysis of outcrop samples northwestern De Long Mountains, Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 95-29, 43 p. doi:[10.14509/1708](https://doi.org/10.14509/1708)
- Grow, J.A., Miller, J.J., Mull, C.G. and Bird, K.J., 1995, Seismic stratigraphy near the Tunalik well, North Slope, Alaska [abs.]: AAPG Pacific Section Meeting, AAPG Bulletin , vol. 79, no. 4, p. 586.
- Grow, J. A., Miller, J. J., Mull, C. G., and Bird, K. J., 1995, Seismic stratigraphy near the Tunalik Well, North Slope [abs.]: Geological Society of America, Cordilleran Section, 91st annual meeting, Abstracts with Programs, v. 27, no. 5, p. 23.
- Mowatt, T. C., Mull, C. G., Banet, A. C., Wilson, M. D., and Reeder, J. W., 1995, Petrography of Neocomian sandstones in Western Brooks Range, and Tunalik, Klondike and Burger Wells, Northwestern Arctic Slope-Chukchi Sea: AAPG Bulletin Vol. 79, no. 4, p. 594.
- Mull, C. G., Crowder, R.K and Reifentstuh, R.R., 1995, Exploration frontiers in Neocomian sandstones in northwest Alaska [abs.]: 1995 Abstracts with Programs, Cordilleran Section, Geological Society of America meeting, p. 66.
- Reifentstuh, R.R., and Mull, C.G., Allochthonous Kemik Sandstone facies (Neocomian), western Mt. Michelson and E. Sagavanirktok Quads., NE Brooks Range foothills, Alaska [abs.]: 1995 Abstracts with Programs, Cordilleran Section, Geological Society of America meeting, p. 73.
- Mull, C.G., Moore, T.E., Werdon, M.B., and Crowder, R.K., 1995, How the central Brooks Range mountain-front and foothills came to be [abs.]: 1995 Abstracts with Programs, Cordilleran Section, Geological Society of America meeting, p. 66.
- Mull, C. G., Reifentstuh, R.R., Harris, E.E., and Crowder, R.K, 1995, Neocomian source and reservoir rocks in the western Brooks Range and Arctic Slope, Alaska [abs.]: AAPG Pacific Section meeting, AAPG Bulletin, vol. 79, no. 4, p. 594.
- Mull, C.G., 1995, Preliminary evaluation of the hydrocarbon source rock potential of the Tingmerkpuk Sandstone (Neocomian) and related rocks, northwestern De Long Mountains, Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 95-30, 22 p. doi:[10.14509/1709](https://doi.org/10.14509/1709)
- Mickey, M.B., Haga, Hideyo, and Mull, C.G., 1995, Paleontologic data: Tingmerkpuk Sandstone and related units, northwestern De Long Mountains, Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 95-31, 44 p. doi:[10.14509/1710](https://doi.org/10.14509/1710)
- Mull, C.G., 1995, The geological distribution of chert in the Brooks Range: Alaska Division of Geological & Geophysical Surveys Public Data File 95-32, 13 p. doi:[10.14509/1711](https://doi.org/10.14509/1711)
- Clough, J.G., 1995, Porosity, permeability and grain density analyses of twenty Katakturuk Dolomite outcrop samples, northeastern Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 95-35, 12 p. doi:[10.14509/1718](https://doi.org/10.14509/1718)

- Meigs, A.J., and Imm, T.A., 1995, Geometry and deformation of a duplex and its roof layer: observations from the Echooka Anticlinorium, northeastern Brooks Range, Alaska, in Combellick, R.A., and Tannian, Fran, eds., Short notes on Alaska Geology 1995: Alaska Division of Geological & Geophysical Surveys Professional Report 117C, p. 19-31. doi:[10.14509/2319](https://doi.org/10.14509/2319)
- Reifenstuhel, R.R., 1995, Lithofacies, petrology, and petrophysics of the Kemik Sandstone (Lower Cretaceous), eastern Arctic Slope, Alaska, in Combellick, R.A., and Tannian, Fran, eds., Short notes on Alaska Geology 1995: Alaska Division of Geological & Geophysical Surveys Professional Report 117F, p. 53-67. doi:[10.14509/2322](https://doi.org/10.14509/2322)
- Kornbrath, R.W., 1995, Analysis of historical oil and gas lease sale and exploration data for Alaska: Alaska Division of Geological & Geophysical Surveys Report of Investigation 95-11, 22 p. doi:[10.14509/2525](https://doi.org/10.14509/2525)
- Myers, M. D., Smith, T. N., Krouskop, D. L., and Ryherd, T.J., 1995, Paleogeographic and sequence stratigraphic reconstruction of the Cretaceous Nanushuk Group, central North Slope, Alaska; Slope Mountain outcrop to the Lupine Well [abs.]: Geological Society of America, Cordilleran Section, V. 27 N. 5, p. 67.
- Hanks, C.L., Lorenz, J.C., and Krumhardt, A.P., 1994, Mechanical stratigraphy of the Lisburne Group, eastern Sadlerochit Mountains: A preliminary report of field results: Alaska Division of Geological & Geophysical Surveys Public Data File 94-19, 30 p. doi:[10.14509/1644](https://doi.org/10.14509/1644)
- Krumhardt, A.P., 1994, Conodont analyses from the Arctic National Wildlife Refuge, northeast Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 94-25, 79 p. doi:[10.14509/1650](https://doi.org/10.14509/1650)
- Clough, J.G., and Stricker, G.D., 1994, Coal resources of the Colville mining district, central North Slope, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 94-26, 16 p. doi:[10.14509/1651](https://doi.org/10.14509/1651)
- Crowder, R.K., Adams, K.E., and Mull, C.G., 1994, Measured stratigraphic section of the Tingmerkpuk sandstone (Neocomian), western NPRA, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 94-29, 8 p., 1 sheet, scale 1:237. doi:[10.14509/1654](https://doi.org/10.14509/1654)
- Reifenstuhel, R.R., 1994, North Slope foreland basin sedimentation, and Brooks Range fold-and-thrust-belt orogenesis, Northern Alaska [abs.]: Conference on Overthrusting into foreland basins; sedimentologic consequences, Northeastern Geology, v. 16 no. 1, p. 40.
- Homza, T.X., 1994, The structural geometry of detachment folds above a duplex in the Franklin Mountains, northeastern Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 94-43, 34 p., 3 sheets, scale 1:25,000. doi:[10.14509/1668](https://doi.org/10.14509/1668)
- Adams, K.E., 1994, Columnar sections and lithostratigraphic correlation of the Permian Siksikpuk and Echooka Formation, northcentral Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 94-45, 5 p., 11 sheets, scale 1 inch = 4 meters. doi:[10.14509/1670](https://doi.org/10.14509/1670)
- Reifenstuhel, R.R., 1994, Kemik Sandstone; petrology, physical properties, facies, and depositional environments, Northeast North Slope, Alaska [abs.]: Geological Society of America, Cordilleran Section annual meeting.
- Bodnar, D.A., 1994, Columnar sections and lithostratigraphic correlation of the Triassic-Jurassic Otuk Formation, northcentral Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 94-47, 3 p., 14 sheets, scale 1 inch = 4 meters. doi:[10.14509/1671](https://doi.org/10.14509/1671)
- Mull, C.G., and Werdon, M.B., 1994, Generalized geologic map of the western Endicott Mountains, central Brooks Range, Alaska: Alaska Division of Geological & Geophysical Surveys Public Data File 94-55, 1 sheet, scale 1:250,000. doi:[10.14509/1679](https://doi.org/10.14509/1679)
- Moore, T.E., Wallace, W.K., Bird, K.J., Karl, S.M., Mull, C.G., and Dillon, J.T., 1994, Geology of northern Alaska, in Plafker, George, and Berg, H.C., eds., The Geology of Alaska: Geological Society of America, p. 49-138.