

1996-2003

U.S. Geological Survey Reports by Western Mineral Resources Authors

- Amacher, M.C., Herring, J.R., and Stillings, L.L., 2001, Total recoverable selenium and other elements by HNO_3 and HClO_4 digestion and other soil characterization data from Wooley Valley units 3 and 4 waste rock dumps and Dairy Syncline lease area soils, southeast Idaho: U.S. Geological Survey Open-File Report 01-69, 65 p.
- Ariunbileg, Sodov, Badarch, Gombosuren, Berzin, N.A., Bulgatov, A.N., Chimed, Noosoi, Deikunenko, A.V., Dejidmaa, Gunchin, Diggles, M.F., Distanov, E.G., Dorjgotov, Dangindorjiin, Gerel, Ochir, Gordienko, I.V., Gotovsuren, Ayurzana, Hwang, Duk-Hwan, Hanchuk, A.I., Koch, R.D., Miller, R.J., Nokleberg, W.J., Obolenskiy, A.A., Ogasawara, Masatsugu, Dorjgotov, Dangindorjiin, Gerel, Ochir, Gordienko, I.V., Orolmaa, A.D., Oxman, V.S., Parfenov, L.M., Popeko, L.I., Prokopiev, A.V., Smelov, A.P., Sotnikov, V.I., Sudo, Sadahisa, Timofee, V.F., Tret, F.F., Vernikovsky, V.A., Ye, Mao, and Zadgenizov, A.P., *Scientific editors*, Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., 1999, Preliminary Publication Book 1 from project on Mineral Resources, Metallogenesis, and Tectonic of Northeast Asia: U.S. Geological Survey Open-File Report 99-165. <http://geopubs.wr.usgs.gov/open-file/of99-165/>
- Armstrong, A.K., Theodore, T.G., Oscarson, R.L., Harris, A.G., Bettles, K.H., Lauha, E.G., Hipsley, R.A., Griffin, G.L., Abbott, E.W., and Cluer, J.K., 1998, Preliminary facies analysis of Silurian and Devonian rocks that host gold along the Carlin trend, Nevada, *in* Tosdal, R.M., ed., Contributions to the Au metallogeny of the northern Great Basin: U.S. Geological Survey Open-File Report 98-338, p. 38-68. <http://geopubs.wr.usgs.gov/open-file/of98-338/>
- Ashley, R.P., Bailey, E.A., Balistrieri, L.S., Foster, A.L., Gough, L.P., Gray, F., Koski, R.A., Rytuba, J.J., Seal, R.R., Smith, K.S., Stillings, L.L., and Wanty, R.B., 2002, Introduction to pathways of metal transfer from mineralized sources to bioreceptors, *in* Balistrieri, L.S. and Stillings, L.L., eds., Pathways of metal transfer from mineralized sources to bioreceptors—a synthesis of the Mineral Resources Program's past environmental studies in the western United States and future research directions: U.S. Geological Survey Bulletin 2191, Chapter 1, p. 1-7. <http://geopubs.wr.usgs.gov/bulletin/b2191/>
- Baldyga, C.A., 2001, Relationship of faults in basin sediments to the gravity and magnetic expression of their underlying fault systems: U.S. Geological Survey Open-File Report 01-502, 113 p. <http://geopubs.wr.usgs.gov/open-file/of01-502/>
- Balistrieri, L.S., 1998, Preliminary estimates of benthic fluxes of dissolved metals in Coeur d'Alene Lake, Idaho: U.S. Geological Survey Open-File Report 98-793, 40 p.

- Balistrieri, L.S., Bookstrom, A.A., Box, S.E., and Ikramuddin, M., 1998, Drainage from adits and tailings piles in the Coeur d'Alene mining district, Idaho—sampling, analytical methods, and results: U.S. Geological Survey Open-File Report 98-127, 19 p.
- Balistrieri, L.S., Box, S.E., and Bookstrom, A.A., 2002, A geoenvironmental model for polymetallic vein deposits—a case study in the Coeur d'Alene mining district and comparisons with drainage from mineralized deposits in the Colorado Mineral Belt and Humboldt Basin, Nevada, *in* Seal, R.R. II, and Foley, N.K., eds., Progress on geoenvironmental models for selected mineral deposit types: U.S. Geological Survey Open-File Report 02-195, p. 143-160.
- Balistrieri, L.S., Box, S.E., Bookstrom, A.A., Hooper, R.L., and Mahoney, J.B., 2002, Impacts of historical mining in the Coeur d'Alene Basin, *in* Balistrieri, L.S. and Stillings, L.L., eds., Pathways of metal transfer from mineralized sources to bioreceptors—a synthesis of the Mineral Resources Program's past environmental studies in the western United States and future research directions: U.S. Geological Survey Bulletin 2191, Chapter 6, p. 1-34.
<http://geopubs.wr.usgs.gov/bulletin/b2191/>
- Balistrieri, L.S., Box, S.E., Ikramuddin, M., Horowitz, A.J., and Elrick, K.A., 2000, A study of porewater in water saturated sediments of levee banks and marshes in the lower Coeur d'Alene River valley, Idaho—sampling, analytical methods, and results: U.S. Geological Survey Open-File Report 00-126, 62 p.
- Balistrieri, L.S., Shanks, III, W.C., Cuhel, R.L., Aguilar, C., and Klump, J.V., [in press], The influence of sub-lacustrine hydrothermal vents on the geochemistry of Yellowstone Lake: U.S. Geological Survey Professional Paper (Integrated Geoscience Studies in the Greater Yellowstone Area—Volcanic, Tectonic, and Hydrothermal Processes in the Yellowstone Geoecosystem), 39 msp., 17 figs., and 4 tables. [not listed on USGS publications web site March 13, 2003 – sent to Western Publications 1/10/03]
- Bartsch-Winkler, Susan, ed., 1997, Mineral and energy resources of the Mimbres Resource Area in southwestern New Mexico; *with sections on* Industrial and energy mineral resources of the Mimbres Resource Area, *compiled by* Susan Bartsch-Winkler; *with sections on* Natural aggregate; *compiled by* William H. Langer, Gregory N. Green, James D. Bliss, and Daniel H. Knepper, Jr.; *with sections on* Alunite and alum (aluminum); jarosite; marble; ricolite; scoria and pumice; *compiled by* Virginia T. McLemore; *with sections on* Fluorspar and barite; *compiled by* Alan R. Wallace and Virginia T. McLemore; *with sections on* Iron and manganese; *compiled by* Daniel R. Hack; *with sections on* Perlite; *compiled by* James M. Barker and Ernest F. Scharkan; *with sections on* Zeolites in tertiary volcaniclastic rocks; *compiled by* Richard A. Sheppard; *with sections on* Geothermal potential; *compiled by* Wendell A. Duffield and Susan S. Priest; *with sections on* Uranium occurrences; *compiled by* Virginia T. McLemore; and *with sections on* Coal resources by J. David Sanchez: U.S. Geological Survey Open-File Report 97-521, 718 p., CD-ROM.
- Berger, V.I., Singer, D.A., and Theodore, T.G., 2001, Sedimentology of the Pennsylvanian and Permian Strathearn Formation, northern Carlin trend, Nevada, *with a section on* Microfossil control on age of the Strathearn Formation by Anita

- G. Harris and Calvin H. Stevens: U.S. Geological Survey Open-File Report 01-402, 99 p. <http://geopubs.wr.usgs.gov/open-file/of01-402>
- Berzin, N.A., 1999, Preliminary terrane and overlap assemblage map of Altay-Sayan region, southern Siberia, in Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, scale 1:5,000,000, CD-ROM.
- Bliss, J.D., 1999, Preliminary mineral resource assessment of selected industrial and collector minerals of the Prescott National Forest, Arizona: U.S. Geological Survey Open-File Report 99-305, 74 p.
- Bliss, J.D., 1997, Mineral resource assessment of selected nonmetallic and metallic resources of the Coconino National Forest, Arizona: U.S. Geological Survey Open-File Report 97-486, 262 p.
- Bliss, J.D., and Moyle, P.G., 2001, Part one—geology and background information for the assessment of the sand and gravel of the Lower Boise River Valley Area, Idaho: U.S. Geological Survey Open-File Report 01-130, 41 p.
<http://geopubs.wr.usgs.gov/open-file/of01-130>
- Boleneus, D.E., 2000, Geologic datasets for weights of evidence analysis in northeast Washington-4—mineral industry activity in Washington, 1985-1997: U.S. Geological Survey Open-File Report 00-014, 68 p.
<http://geopubs.wr.usgs.gov/open-file/of00-014/>
- Boleneus, D.E., 1999, Geologic datasets for weights-of-evidence analysis in northeast Washington-2—mineral databases: U.S. Geological Survey Open-File Report 99-384, 34 p. <http://wrgis.wr.usgs.gov/open-file/of99-384/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-384/metadata.faq.html>
- Boleneus, D.E., 1999, Geologic datasets for weights of evidence analysis in northeast Washington-3—minerals-related permits on national forests, 1967 to 1998: U.S. Geological Survey Open-File Report 99-414, 32 p.
<http://geopubs.wr.usgs.gov/open-file/of99-414/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-414/metadata.faq.html>
- Boleneus, D.E., Applegate, L.M., Joseph, N.L., and Brandt, T.R., 2001, Raster images of geologic maps of Middle Proterozoic Belt strata in parts of Benewah, Bonner, Kootenai and Shoshone Counties, Idaho and Lincoln, Mineral and Sanders Counties, Montana: U.S. Geological Survey Open-File Report 01-438, 34 p.
<http://geopubs.wr.usgs.gov/open-file/of01-438>
- Boleneus, and Causey, J.D., 2000, Geologic datasets for weights of evidence analysis in northeast Washington-1—geologic raster data: U.S. Geological Survey Open File Report 00-495, digital database version 1.0, 35 p.
<http://geopubs.wr.usgs.gov/open-file/of00-495/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/00-495/metadata.html>
- Boleneus, D.E., and Chase, D.W., 1999, Digital analytical data from mineral resource assessments of National Forest lands in Washington: U.S. Geological Survey Open-File Report 99-344-B, 65 p. <http://wrgis.wr.usgs.gov/open-file/of99-344> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-344/b/metadata.faq.html>

- Boleneus, D.E., Raines, G.L., Causey, J.D., Bookstrom, A.A., Frost, T.P., and Hyndman, P.C., 2001, Assessment method for epithermal gold deposits in northeast Washington State using weights-of-evidence GIS modeling: U.S. Geological Survey Open-File Report 01-501, 52 p. <http://geopubs.wr.usgs.gov/open-file/of01-501/>
- Bolm, K.S., Frank, D.G., and Schneider, J.L., 2000, Three Western Mineral Resources Archives, U.S. Geological Survey Fact Sheet 099-00, 4 p. <http://geopubs.wr.usgs.gov/fact-sheet/fs099-00/>
- Bolm, K.S., Lewis, Tasha, Hirschberg, D.M., Pitts, G.S., and Dickinson, W.R., 2002, Spatial digital database for geology of the San Pedro River Basin in Cochise, Gila, Graham, Pima, and Pinal counties, Arizona: U.S. Geological Survey Open-File Report 02-393, version 1.0, 36 p. <http://geopubs.wr.usgs.gov/open-file/of02-393/>
- Bookstrom, A.A., Box, S.E., Campbell, J.K., Foster, K.I., and Jackson, B.L., 2001, Lead-rich sediments, Coeur d'Alene River Valley, Idaho: Area, volume, tonnage, and lead content: U.S. Geological Survey Open-File Report 01-140, 77 p. 2 sheets. <http://geopubs.wr.usgs.gov/open-file/of01-140/>
- Bookstrom, A.A., Box, S.E., Jackson, B.L., Brandt, T.R., Derkey, P.D., and Munts, S.R., 1999, Digital map of surficial geology, wetlands, and deepwater habitats, Coeur d'Alene River valley, Idaho: U.S. Geological Survey Open-File Report 99-548, 186 p. and 11 digital plates, scale: 1:24,000 (plates 1 and 2) and scale 1:50,000 (plates 3-11). <http://geopubs.wr.usgs.gov/open-file/of99-548/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-548/metadata.faq.html> Available as Print-on-Demand maps <http://rmmcweb.cr.usgs.gov/public/mod/>
- Bookstrom, A.A., Johnson, B.R., Cookro, T.M., Lund, Karen, Watts, K.C., King, H.D., Kleinkopf, M.D., Pitkin, J.A., Sanchez, J.D., and Causey, J.D., 1998, Potential mineral resources, Payette National Forest, Idaho—description and probabilistic estimation: U.S. Geological Survey Open-File Report 98-219A, 254 p., 1 plate, scale 1:200,000. <http://wrgis.wr.usgs.gov/open-file/of98-219a/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/98-219/a/metadata.faq.html> <http://geo-nsdi.er.usgs.gov/metadata/open-file/98-219/a/depmod.faq.html>
- Bookstrom, A.A., Raines, G.L., and Johnson, B.R., 1995, Digital mineral resource maps of phosphate and natural aggregate for the Pacific Northwest—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-681, 28 p. and 4 plates, scale 1:2,000,000. http://wrgis.wr.usgs.gov/docs/northwest_region/ofr95-681.html metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/95-681/metadata.html>
- Bookstrom, A.A., Zientek, M.L., Box, S.E., Derkey, P.D., Elliott, J.E., Frishman, David, Ashley, R.P., Evarts, R.C., Stoeser, D.B., Moyer, L.A., Cox, D.P. and Ludington, Steve, 1995, Status and metal content of significant metallic mineral deposits in the Pacific Northwest—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-688, 98 p. and 1 plate, scale 1:2,000,000. http://wrgis.wr.usgs.gov/docs/northwest_region/ofr95-688.html
- Box, S.E., Bookstrom, A.A., Ikramuddin, Mohammed, and Lindsay, James, 2001, Geochemical analyses of soils and sediments, Coeur d'Alene drainage basin,

- Idaho—sampling, analytical methods, and results: U.S. Geological Survey Open-File Report 01-139, 140 p. <http://geopubs.wr.usgs.gov/open-file/ofr01-139/>
- Box, S.E., Bookstrom, A.A., and Kelley, W. N., [in press, 2000], Surficial geology of the valley of the South Fork of the Coeur d'Alene River, Idaho: U.S. Geological Survey Open-File Report 00-xxx, 186 p., 18 digital plates, scale: 1:12,000 (plates 1-10) and scale 1:24,000 (plates 11-18).
- Box, S.E., Bookstrom, A.A., Zientek, M.L., Derkey, P.D., Ashley, R.P., Elliott, J.E. and Peters, S.G., 1996, Assessment of undiscovered mineral resources in the Pacific Northwest—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-682, 425 p. http://wrgis.wr.usgs.gov/docs/northwest_region/ofr95-682.html
- Box, S.E. and Wallis, J.C., 2002, Surficial geology along the Spokane River, Washington and its relationship to the metal content of sediments (Idaho-Washington Stateline to Latah Creek confluence): U.S. Geological Survey Open-File Report 02-126. <http://geopubs.wr.usgs.gov/open-file/ofr02-126/>
- Brady, L.M., Gray, Floyd, Castaneda, Mario, Boltman, Mark, and Bolm, K.S., 2002, Preliminary United States–Mexico Border Watershed Analysis, Twin Cities area of Nogales, Arizona And Nogales, Sonora: U.S. Geological Survey Open-File Report 02-112, 48 p. <http://geopubs.wr.usgs.gov/open-file/ofr02-112/>
- Brady, L.M., Gray, Floyd, Wissler, C.A. and Guertin, D.P., 2001, Spatial variability of sediment erosion processes using GIS analysis within watersheds in a historically mined region, Patagonia Mountains, Arizona: U.S. Geological Survey Open-File Report 01-267, 51 p. <http://geopubs.wr.usgs.gov/open-file/ofr01-267/>
- Bultman, M.W., 2002, Time-domain electronic signatures of polymetallic vein mineral deposits in cottonwood Canyon area, Santa Cruz county, Arizona: U.S. Geological Survey Open-File Report 02-18.
- Bultman, M.W., 1999, Geometry, structure, and concealed lithology of the San Rafael basin, southeastern Arizona: U.S. Geological Survey Open-File Report 99-0399.
- Bultman, M.W., Gettings, M.E., and Wynn, Jeff, 1999, An interpretation of the 1997 AirborneElectroMagnetic (AEM) survey, Fort Huachuca vicinity, Cochise County, Arizona: U.S. Geological Survey Open-File Report 99-7-A, CD-ROM, 99-7-B [on-line version].
- Campbell, H.W., 1996, Procedure for making a mining claim density map from BLM claim recordation data: U.S. Geological Survey Open-File Report 96-736, 13 p. http://wrgis.wr.usgs.gov/docs/northwest_region/ofr96-736.html
- Campbell, H.W. and Hyndman, P.C., 1996, Digital mining claim density map for Federal lands in the Pacific Northwest: U.S. Geological Survey Open-File Report 96-737, 12 p., scale 1:2,000,000. http://wrgis.wr.usgs.gov/docs/northwest_region/ofr96-737.html metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/96-737/metadata.html>
- Campbell, H.W. and Hyndman, P.C., 1998, Digital mining claim density map for Federal lands in Montana—1996: U.S. Geological Survey Open-File 98-489, 16 p., scale 1:500,000. <http://wrgis.wr.usgs.gov/open-file/ofr98-489/>
- Carlson, M.C. and Kelley, W.N., 2000, [unpublished] Digital geologic map of the Montana part of the Hamilton 1:100,000 quadrangle—a digital database for the

- 1996 Lonn and Berg map: U.S. Geological Survey unpublished report and digital data, 28 p., 1 digital sheet, version 1.0.
- Casto, D.W., 2001, Calculating depths to shallow magnetic sources using aeromagnetic data from the Tucson basin: U.S. Geological Survey Open-File Report 01-505, 231 p. <http://geopubs.wr.usgs.gov/open-file/of01-505/>
- Causey, J.D., 1998, MAS/MILS Arc/Info point coverage for the Western U.S. (excluding Hawaii): U.S. Geological Survey Open-File Report 98-512, 42 p. <http://wrgis.wr.usgs.gov/open-file/of98-512/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/98-512/metadata.html>
- Causey, J.D. and Moyle, P.R., 2001, Digital database of mining-related features at selected historic and active phosphate mines, Bannock, Bear Lake, Bingham, and Caribou Counties, Idaho: U.S. Geological Survey Open-File Report 01-142, digital database, version 1.0, 46 p. <http://geopubs.wr.usgs.gov/open-file/of01-142/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/01-142/metadata.met>
- Chernoff, C.B., and Orris, G.J., 2002, Data set of world Phosphate mines, deposits, and occurrences-Part A. Geologic Data: U.S. Geological Survey Open-File Report 02-156A [on line version].
- Childs, J.R., Lowenstern, J.B., Phillips, R.L., Hart, P., Rytuba J.J., Barron, J.A., Starratt, S.W., and Spaulding S., 2000, Bathymetric, Geophysical and geologic sample data from Medicine Lake, Siskiyou County, northern California: U.S. Geological Survey Open-File Report OF 00-043. <http://geopubs.wr.usgs.gov/open-file/OF00-043/>
- Conway, C.M. and Theodore, T.G., [in press], Other types of deposits, in Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Scenic Area, San Bernardino County, California: U.S. Geological Survey Bulletin.
- Coombs, Mary Jane, Kotlyar, B.B., Ludington, Steve, Folger, H.W., and Mossotti, V.G., 2002, Multielement geochemical dataset of surficial materials for the Northern Great Basin: U.S. Geological Survey Open-File Report 02-227. <http://geopubs.wr.usgs.gov/open-file/of02-227/>
- Corvalan, D.J., Guild, P.W., Piper, D.A., Swint-Iki, T.R., McCoy, F.W., Sullivan, L.G., Manheim, F.T., Lane-Bostwick, C.M., and Luepke, Gretchen, 1996, Mineral-resources map of the Circum-Pacific region, southeast quadrant: U.S. Geological Survey Circum-Pacific Map Series CP-42, scale 1:10,000,000, with pamphlet, 30 p.
- Cox, L.J., 1999, An evaluation of sand and gravel resources in and near the Prescott National Forest in the Verde Valley, Arizona *with a section on* evaluation of sand and gravel resources using selected engineering variables, by Bliss, J.D. and Miller, R.J.: U.S. Geological Survey Open-File Report 99-127, 40 p. <http://wrgis.wr.usgs.gov/open-file/of99-127/>
- Cox, D.P., Lindsey, D.A., Singer, D.A., and Diggles, M.F., 2003, Sediment-hosted copper deposits of the world—Deposit models and database: U. S. Geological Survey Open-File Report 03-107, <http://geopubs.wr.usgs.gov/open-file/of03-107/>
- Dejidmaa, G., 1999, Preliminary table of placer gold deposits and occurrences of Mongolia, in Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources,

- metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, 9 p., CD-ROM.
- Dejidmaa, G., and Badarch, G., 1999, Summary of pre-accretionary and accretionary metallogenic belts of Mongolia, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, 10 p., CD-ROM.
- Derkey, P.D. and Johnson, B.R., 1995, Digital maps of low- to moderate-temperature geothermal springs and wells in the Pacific Northwest—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-689, 11 p. and 3 plates, scale 1:2,000,000.
http://wrgis.wr.usgs.gov/docs/northwest_region/ofr95-689.html metadata
<http://geo-nsdi.er.usgs.gov/metadata/open-file/95-689/metadata.html>
- Derkey, P.D., Johnson, B.R. and Carver, Michael, 1996, Digital geologic map of the Coeur d'Alene district, Idaho and Montana: U.S. Geological Survey Open-File Report 96-299, 6 p. and 1 digital plate, scale 1:62,500.
http://wrgis.wr.usgs.gov/docs/northwest_region/ofr96-299.html metadata
<http://geo-nsdi.er.usgs.gov/metadata/open-file/96-299/metadata.html>
- Derkey, P.D., Johnson, B.R., Lackaff, B.B. and Derkey, R.E., 1998, Digital geologic map of the Rosalia 1:100,000 quadrangle, Washington and Idaho: a digital database for the 1990 S.Z. Waggoner map: U.S. Geological Survey Open-File Report 98-357, 27 p., scale 1:100,000. <http://wrgis.wr.usgs.gov/open-file/of98-357> metadata
<http://geo-nsdi.er.usgs.gov/metadata/open-file/98-357/metadata.html>
- Dickinson, W.R., Hirschberg, D.M., Pitts, G.S., and Bolm, K.S., 2002, Spatial digital database of the geologic map of Catalina Core Complex and San Pedro Trough, Pima, Pinal, Gila, Graham, and Cochise counties, Arizona: U.S. Geological Survey Open-File Report 02-365, version 1.0, 25 p., 1 digital sheet, scale 1:125,000. <http://wrgis.wr.usgs.gov/open-file/of02-393/>
- Dohrenwend, J.C., 2003, Tertiary and Quaternary deposits, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160.
<http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Dohrenwend, J.C., 2003, Development of pediment domes, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160.
<http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Dohrenwend, J.C., Gray, Floyd, and Miller, R.J., 2001, Processed Thematic Mapper satellite imagery for selected areas within the U.S.–Mexico borderlands: U.S. Geological Survey Open File Report 00-309, 3 CD-ROMs.
<http://wrgis.wr.usgs.gov/open-file/of00-309/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/00-309/metadata.met>
- Drewes, Harald, Fields, R.A., Hirschberg, D.M., and Bolm, K.S., 2002, Spatial digital database for the tectonic map of southeast Arizona: U.S. Geological Survey Miscellaneous Investigations Series Map I-1109, version 2.0, 38 p., 2 digital sheets, scale 1:125,000. <http://geopubs.wr.usgs.gov/i-map/i1109/>

- Drewes, Harald, Kelley, W.N. and Munts, S.R., 2001, Tectonic map of southeast Arizona—a digital database for the west part: U.S. Geological Survey Miscellaneous Investigations Series Map I-1109, digital database, version 1.0, 29 p., 1 digital sheet, scale 1:125,000. <http://geopubs.wr.usgs.gov/i-map/i1109/>
[metadata http://geo-nstd.er.usgs.gov/metadata/map-i/1109/metadata.met](http://geo-nstd.er.usgs.gov/metadata/map-i/1109/metadata.met)
- Elliott, J.E., Kamilli, R.J., Miller, W.R., and Livo, K.E., 1995, Vein and greisen Sn and W deposits, *in* du Bray, E.A., ed., Preliminary compilation of descriptive geoenvironmental mineral deposit models: U.S. Geological Survey Open-File Report 95-831, p. 62-69.
- Evans, J.G., 1996, Geologic map of the Monument Peak quadrangle, Malheur County, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-2317, scale 1:24,000.
- Evans, J.G. and Binger, G.B., 1999, Preliminary geologic map of the Skull Springs quadrangle, Malheur County, Oregon: U.S. Geological Survey Open-File Report 99-331, 16 p., scale 1:24,000.
- Evans, J.G. and Binger, G.B., 1999, Preliminary geologic map of the Star Creek Reservoir, Malheur County, Oregon: U.S. Geological Survey Open-File Report 99-583, 18 p., scale 1:24,000.
- Evans, J.G. and Binger, G.B., 1998, Geologic map of the Shumway Reservoir quadrangle, Malheur County, Oregon: U.S. Geological Survey Open-File Report 98-138, 15 p., scale 1:24,000.
- Evans, J.G., and Binger, G.B., 1998, Geologic map of the Alder Creek quadrangle, Malheur County, Oregon: U.S. Geological Survey Open-File Report 98-484, 12 p., scale 1:24,000.
- Evans, J.G. and Binger, G.B., 1998, Geologic map of the Little Black Canyon quadrangle, Malheur County, Oregon: U.S. Geological Survey Open-File Report 98-493, 12 p., scale 1:24,000.
- Evans, J.G. and Binger, G.B., 1997, Geologic map of the Westfall Butte quadrangle, Malheur County, Oregon: U.S. Geological Survey Open-File Report OF-97-481, 11 p., scale 1:24,000.
- Evans, J.G. and Geisler, T.A., 2001, Geologic field-trip guide to Steens Mountain Loop Road, Harney County, Oregon: U.S. Geological Survey Bulletin 2183, 15 p., 1 plate, scale 1:100,000.
- Evans, J.G. and Keith, W.J., 1996, Geologic map of the Tims Peak quadrangle, Malheur County, Oregon: U.S. Geological Survey Miscellaneous Field Studies Map MF-2316, scale 1:24,000.
- Fisher, Fred, Bultman, Mark, and Pappagianis, Demosthenes, 2000, Operational guidelines for geological field work in areas endemic for *Coccidioido mycosis* (valley fever): U.S. Geological Survey Open-File Report 00-348.
<http://geopubs.wr.usgs.gov/open-file/of00-348/>
- Fleck, R.J., Theodore, T.G., Sarna-Wojcicki, Andrei, and Meyer, C.E., 1998, Age and possible source of air-fall tuffs of the Miocene Carlin Formation, northern Nevada, *in* Tosdal, R.M., ed., Contributions to the Au metallogeny of the northern Great Basin: U.S. Geological Survey Open-File Report 98-338, p. 176-192.
<http://geopubs.wr.usgs.gov/open-file/of98-338/>

- Folger, H.W., Hofstra, A.H., Eberl, D.D., and Snee, L.W., 1998, Importance of clay characterization to interpretation of 40Ar/39Ar dates on illite from Carlin-type gold deposits: Insights from Jerritt Canyon Nevada, *in* Tosdal, R. M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open File-Report 98-338, p. 193-201.
- Force, E.R., 1996, The Bisbee Group of the Tombstone Hills, southeastern Arizona—stratigraphy, structure, metamorphism, and mineralization: U.S. Geological Survey Bulletin 2042-B, 22 p.
- Frank, D.G., 1999, An Arc/Info point coverage of Mineral Resource Data System (MRDS) locations in eleven western states: U.S. Geological Survey Open-File Report 99-169, 14 p., 1 digital plate. <http://wrgis.wr.usgs.gov/open-file/of99-169/>
- Frank, D.G., Galloway, J.P., Weathers, Judy, Kiilsgaard, T.H., and Wallis, John, 2003, Index to the United States Minerals Exploration Assistance Records from the DMA, DMEA, OME Mineral Exploration Programs, 1950-1974: U.S. Geological Survey Open-File Report 03-94. <http://geopubs.wr.usgs.gov/open-file/of03-94/>
- Frank, D.G., Moyle, P.R., Box, S.E., and Zientek, M.L., 2000, Research Activities in the Spokane, Washington, Field Office: U.S. Geological Survey Fact Sheet 93-00, 2 p. <http://geopubs.wr.usgs.gov/fact-sheet/fs093-00/>
- Frank, Dave, Weathers, Judy, and Galloway, John, 2001, Mineral Resources Out of the Ground Into Our Daily Lives: U.S. Geological Survey Open-File Report 01-360. <http://geopubs.wr.usgs.gov/open-file/of01-360/>
- Frost, T.P., Raines, G.L., Almquist, C. and Johnson, B.R., 1995, Digital map of possible bat habitats for the Pacific Northwest—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-683, 23 p. and 1 digital plate, scale 1:2000000. http://wrgis.wr.usgs.gov/docs/northwest_region/ofr95-683.html metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/95-683/metadata.html>
- Galloway, J.P., Weathers, Judy, and Frank, Dave, 2001, Consumer uses of industrial minerals in the San Francisco Bay area—houses to interstates, *in* Stoffer, P.W., and Gordon, L.C., eds., Geology and Natural History of the San Francisco Bay Area A Field-Trip Guidebook: U.S. Geological Survey Bulletin 2188, p. 173-178.
- Gemery, P.A., Shanks, W.C. III, Balistrieri, L.S., and Lee, G.K., [in press], Geochemical data for selected rivers, lake waters, hydrothermal vents and sub-aerial geysers in Yellowstone National Park, Wyoming, and vicinity, 1996-2002: U.S. Geological Survey Professional Paper (Integrated Geoscience Studies in the Greater Yellowstone Area—Volcanic, Tectonic, and Hydrothermal Processes in the Yellowstone Geosystem).
- Gettings, Mark E., 2002, An Interpretation of the 1996 Aeromagnetic data for the Santa Cruz basin, Tumacacori Mountains, Santa Rita Mountains, and Patagonia Mountains, South-Central Arizona: U.S. Geological Survey Open-File Report 02-99. <http://geopubs.wr.usgs.gov/open-file/of02-99/>
- Gettings, M.E., and Houser, B.B., 2000, Depth to bedrock of the upper San Pedro Valley, Cochise County, southeastern Arizona: U.S. Geological Survey Open-File Report 00-138 <http://geopubs.wr.usgs.gov/open-file/of00-138/>

- Gettings, M.E., and Houser, B.B., 1997, Basin geology of the Upper Santa Cruz Valley, Pima and Santa Cruz Counties, southeastern Arizona: US Geological Survey Open-File Report 97-676, 39 p. 6 plates.
- Gordienko, I.V., and Bulgatov, A.N., 1999, Preliminary terrane and overlap assemblage map of Trans-Baikal and Eastern Sayan region, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, scale 1:5,000,000, CD-ROM.
- Gordienko, I.V., and Bulgatov, A.N., 1999, Terranes, synaccretionary, and postaccretionary complexes of the Transbaikalia and southeastern part of Eastern Sayn Regions, Siberia, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, 9 p., CD-ROM.
- Gostyayeva, Natalya, Theodore, T.G., and Lowenstern, J.B., 1996, Implications of fluid-inclusion relations in the Elder Creek porphyry copper system, Battle Mountain Mining District, Nevada: U.S. Geological Survey Open-File Report 96-268, 60 p.
- Grauch, V.J.S., 1998, Crustal structure and relation to gold belts in north-central Nevada—overview and progress report, *in* Tosdal, R.M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report, p. 34-37.
- Grauch, V.J.S., Klein, D.P., and Rodriguez, B.D., 1998, Progress on understanding the crustal structure near the Battle Mountain-Eureka mineral trend from geophysical constraints, *in* Tosdal, R.M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report 98-338, p. 8-14.
- Grauch, R.I., Tysdal, R.G., Johnson, E.A., Herring, J.R., and Desborough, G.A., 2001, Stratigraphic section and selected semiquantitative chemistry, Meade Peak Phosphatic Shale Member of Permian Phosphoria Formation, central part of Rasmussen Ridge, Caribou County, Idaho: U.S. Geological Survey Open-File Report 99-20-E, 1 plate with text.
- Gray, Floyd, Brady, L.M., Caruthers, Kerry, Ailiang, Gu, Velez, Carlos, Bolm, Karen, Chaffee, Maurice, and Wirt, Laurie, 2000, USDA Forest Service preliminary assessment (PA) report on the Alum Gulch-Flux Canyon watershed within the Northern Patagonia Mountains, southeastern Arizona: U.S. Geological Survey Administrative Report, December 2000.
- Gray, Floyd, Chaffee, Maurice, Wirt, Laurie, Lichte, Fred, and Caruthers, K., 1997, Source chemistry and characteristics of intermittent stream waters having low pH and elevated metal concentrations, Patagonia Mountains, Santa Cruz County, Arizona [abs.]: International Symposium on Environmental Geochemistry, 4th, Program with Abstracts, Wanty, R.B., Marsh, Sherman, and Gough Larry, eds.: US Geological Survey Open File Report 97-496, p. 30-31.
- Greninger, M.L., Klemperer, S.L., and Nokleberg, W.J., 1999, Geographic information systems (GIS) compilation of geologic, geophysical, and tectonic data for the Circum-North Pacific, *in* Nokleberg, W.J., and Diggles, M.F., eds., Geographic Information Systems (GIS) Compilation of Geophysical, Geologic, and Tectonic

- for the Circum-North Pacific: U.S. Geological Survey Open-File Report 99-422, CD-ROM. <http://geopubs.wr.usgs.gov/open-file/of99-422/>
- Guild, P.W., Piper, D.Z., Swint-Iki, T.R., and McCoy, F.W., 1997, Mineral-resources map of the circum-Pacific region, Antarctic quadrant: U.S. Geological Survey Circum-Pacific Map Series CP-42, scale 1:10,000,000, with pamphlet, 40 p.
- Gunchin, D., Badarch, G., Chimed, N., and Dorjgotov, D., and Gotovsuren, A., 1999, Preliminary table of lode and placer deposits and occurrences of Mongolia, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, 62 p., CD-ROM.
- Gunchin, D., Dangindorjiin, D., Gerel, O., Gotovsuren, A., and Sodov, A., 1999, Preliminary Description of Mineral Deposit Models, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, 30 p., CD-ROM.
- Harrison, J.E., Cressman, E.R., Whipple, J.W., Kayser, H.Z., Derkey, P.D., and EROS Data Center, 2000, Geologic and structure maps of the Kalispell 1° x 2° quadrangle, Montana, and Alberta and British Columbia: a digital database: U.S. Geological Survey Miscellaneous Investigations Series, Map I-2267, version 1.0, 22 p., 1 digital plate, scale 1:250,000. <http://geopubs.wr.usgs.gov/i-map/i2267> metadata <http://geo-nsdi.er.usgs.gov/metadata/map-i/2267/metadata.faq.html>
- Harrison, J.E., Griggs, A.B., Wells, J.D., Kelley, W.N., Derkey, P.D., and EROS Data Center, 2000, Geologic and structure maps of the Wallace 1° x 2° quadrangle, Montana and Idaho: a digital database: U.S. Geological Survey Miscellaneous Investigations Series, Map I-1509-A, version 1.0, 21 p., 1 digital plate, scale 1:250,000. <http://geopubs.wr.usgs.gov/i-map/i1509a/> metadata <http://geo-nsdi.er.usgs.gov/metadata/map-i/1509/a/metadata.html>
- Harrison, J.E., Whipple, J.W., Lidke, D.J., Kayser, H.Z., and Miller, R.J., 2002, Spatial digital database of selected data from the geologic map of the western part of the Cut Bank 1° x 2° quadrangle, northwestern Montana: U.S. Geological Survey Geologic Investigations Series, Map I-2593, version 1.0, 32 p., 1 digital sheet, scale 1:250,000. <http://geopubs.wr.usgs.gov/i-map/i2593/> metadata <http://geo-nsdi.er.usgs.gov/metadata/map-i/2593/metadata.met>
- Haxel, G.B., 2003, Ultrapotassic rocks, carbonatite, and rare earth element deposit, Mountain Pass, Southern California, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160. <http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Haxel, G.B., 2003, Latest Proterozoic and Paleozoic strata, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160. <http://geopubs.wr.usgs.gov/bulletin/b2160/>

- Haxel, G.B., Hedrick, J.B., and Orris, G.J., 2002, Rare earth elements—critical resources for high technology: U.S. Geological Survey Fact Sheet 087-02, 4 p.
<http://geopubs.wr.usgs.gov/fact-sheet/fs087-02/>
- Haxel, G.B., and Miller, D.M., 2003, Mesozoic rocks, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160.
<http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Hegmann, Mary, 2001, Gravity and Magnetic surveys over the Santa Rita fault system, southeastern Arizona: U.S. Geological Survey Open-File Report 01-503, 111 p.
<http://geopubs.wr.usgs.gov/open-file/of01-503/>
- Hein, J.R., McIntyre, B., Perkins, R.B., Piper, D.Z., and Evans, J., 2002, Composition of the Rex Chert with emphasize on environmentally sensitive elements: U.S. Geological Survey Open-File Report 02-345, 30 p.
<http://geopubs.wr.usgs.gov/open-file/of02-345/>
- Hendricks, J.D., 2003, Geophysics, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160.
<http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Herring, J.R., Wilson, S.A., Stillings, L.A., Knudsen, A.C., Gunter, E., Tysdal, R.G., Grauch, R.I., Desborough, G.A., and Zielinski, R. A., 2000, Chemical composition of weathered and less-weathered strata of the Meade Peak Phosphatic Shale Member of the Permian Phosphoria Formation—B. Measured sections C and D, Dry Valley area, Caribou County, Idaho: U.S. Geological Survey Open-File Report 99-147-B, 34 p.
- Hirschberg, D.M. and Pitts, S.G., 2000, Digital geologic map of Arizona—a digital database derived from the 1983 printing of the Wilson E.D., Moore, R.T., and Cooper, J.R., 1:500,000-scale map: U.S. Geological Survey Open-File Report 00-409, version 1.0, 67 p., 3 digital plates. <http://geopubs.wr.usgs.gov/open-file/of00-409/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/00-409/metadata.html>
- Hirschberg, D.M., Pitts, G.S., Melcher, H.L., and Bliss, J.D., 2001, Digital data for construction material sources reported by the Arizona Department of Transportation in 1977 for Maricopa County, Arizona: U.S. Geological Survey Open-File Report 01-122, 35 p., 1 digital plate, scale 1:250,000.
<http://wrgis.wr.usgs.gov/open-file/of01-122/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/01-122/metadata.met>
- Hofstra, A.H., and Rye, R.O., 1998, δ D and $\delta^{18}\text{O}$ data from Carlin-type gold deposits—implications for genetic models, *in* Tosdal, R. M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report 98-338, p. 202-210.
- Houser, B.B., and Gettings, M.E., 2000, Stratigraphy and tectonic history of the Tucson basin, Arizona, based on re-examination of cuttings and geophysical logs of the Exxon State (32)-1 well: U.S. Geological Survey Open-File Report 00-139, 38 p., 7 plates.
- Houser, B.B., Gettings, M.E., Bultman, M.W., Gray, Floyd, Caruthers, K.R., and Hirschberg, D.M., 2000, Field trip guide to selected studies of the Southwest

- Mineral and Environmental Investigations Project in southeastern Arizona: U.S. Geological Survey Open-File Report 99-544, 55 p.
<http://geopubs.wr.usgs.gov/open-file/of99-544/>
- Howland, A. L., and Moyer, L.A., 2001, Chromite deposits in central part Stillwater Complex, Sweet Grass County, Montana—a digital database for the geologic map of the east slope of Iron Mountain: U.S. Geological Survey Open-File Report 10-321, version 1.0, 26 p., 1 digital sheet, scale 1:3,077.
<http://wrgis.wr.usgs.gov/open-file/of01-321/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/01-321/metadata.met>
- Hunerlach, M.P., Rytuba, J.J., and Alpers, C.A., 1999, Mercury contamination from hydraulic placer-gold mining in the Dutch Flat mining district, California, in Morganwalp, D.W., and Buxton, H.T., eds., U.S. Geological Survey Toxic Substances Hydrology Program—Proceeding of the Technical Meeting, March 8-12, 1999, v. 2: U.S. Geological Survey Water-Resources Investigation Report 99-4018-B, p. 179-190.
- Hyndman, P.C. and Campbell, H.W., 1999, Digital databases containing mining claim density information for Arizona, California, Colorado, Idaho, Montana, Nebraska, New Mexico, Nevada, Oregon, South Dakota, Utah, Washington, and Wyoming created from the BLM Mining Claim Recordation System: U.S. Geological Survey Open-File Report 99-325, 21 p. <http://wrgis.wr.usgs.gov/open-file/of99-325/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-325/metadata.html>
- Hyndman, P.C. and Campbell, H.W., 1999, Digital mining claim density map and database for Federal lands in Arizona—1996: U.S. Geological Survey Open-File Report 99-406, 23 p. <http://wrgis.wr.usgs.gov/open-file/of99-406/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-406/metadata.faq.html>
- Hyndman, P.C. and Campbell, H.W., 1999, Digital mining claim density map and database for Federal lands in Utah—1996: U.S. Geological Survey Open-File Report 99-407, 18 p. <http://wrgis.wr.usgs.gov/open-file/of99-407/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-407/metadata.faq.html>
- Hyndman, P.C. and Campbell, H.W., 1999, Digital mining claim density map and database for Federal lands in Washington—1996: U.S. Geological Survey Open-File Report 99-408, 18 p. <http://wrgis.wr.usgs.gov/open-file/of99-408/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-408/metadata.faq.html>
- Hyndman, P.C. and Campbell, H.W., 1999, Digital mining claim density map and database for Federal lands in California—1996: U.S. Geological Survey Open-File Report 99-409, 21 p. <http://wrgis.wr.usgs.gov/open-file/of99-409/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-409/metadata.faq.html>
- Hyndman, P.C. and Campbell, H.W., 1999, Digital mining claim density map and database for Federal lands in Colorado—1996: U.S. Geological Survey Open-File Report 99-410, 21 p. <http://wrgis.wr.usgs.gov/open-file/of99-410/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-410/metadata.faq.html>
- Hyndman, P.C. and Campbell, H.W., 1999, Digital mining claim density map and database for Federal lands in New Mexico—1996: U.S. Geological Survey Open-File Report 99-411, 20 p. <http://wrgis.wr.usgs.gov/open-file/of99-411/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-411/metadata.faq.html>

- Hyndman, P.C. and Campbell, H.W., 1999, Digital mining claim density map and database for Federal lands in Nevada—1996: U.S. Geological Survey Open-File Report 99-540, 20 p. <http://wrgis.wr.usgs.gov/open-file/of99-540> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-540/metadata.faq.html>
- Hyndman, P.C. and Campbell, H.W., 1999, Digital mining claim density map and database for Federal lands in Oregon—1996: U.S. Geological Survey Open-File Report 99-541, 21 p. <http://wrgis.wr.usgs.gov/open-file/of99-541/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-541/metadata.faq.html>
- Hyndman, P.C. and Campbell, H.W., 1999, Digital mining claim density map and database for Federal lands in Wyoming—1996: U.S. Geological Survey Open-File Report 99-542, 18 p. <http://wrgis.wr.usgs.gov/open-file/of99-542/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-542/metadata.faq.html>
- Hyndman, P.C. and Campbell, H.W., 1999, Digital mining claim density map and database for Federal lands in Idaho—1996: U.S. Geological Survey Open-File Report 99-543, 21 p. <http://wrgis.wr.usgs.gov/open-file/of99-543/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-543/metadata.html>
- Jewel, E.B., Ponce, D.A., and Morin, R.L., 1997, Principal facts for about 500 gravity stations in part of the Humboldt River basin, Lovelock and Winnemucca quadrangles, Nevada: U.S. Geological Survey Open-File Report 97-519, 17 p.
- John, D.A., King, H.D., Theodore, T.G., Connors, K.A., and Moring, B.C., 1996, Tracts for skarn deposits in the Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California, *in* Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G., and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management's Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, Plate 4, scale 1:1,100,000.
- John, D.A., and Wrucke, C.T., 2002, Geologic map of the Izzenhood Spring quadrangle, Lander County, Nevada: U.S. Geological Survey Miscellaneous Investigations Map I-2668, scale 1:24,000, 1 sheet, color. <http://geopubs.wr.usgs.gov/i-map/i-2668/>
- Johnson, B.R., Brodaric, Boyan, Raines, G.L., Hastings, J.T., and, Wahl, Ron, 1999, Digital geologic map data model, version 4.3, 69 p. <http://geology.usgs.gov/dm/>
- Johnson, B.R., Brodaric, Boyan, Raines, G.L., Hastings, J.T., Wahl, Ron, 1998, Digital geologic map data model, Addendum to Chapter 2, version 4.3, <http://geology.usgs.gov/dm/>
- Johnson, B.R., Brodaric, Boyan, Raines, G.L., Hastings, J.T., and Wahl, Ron, 1998, Digital geologic map data model, version 4.2 <http://geology.usgs.gov/dm/>
- Johnson, B.R. and Derkey, P.D., 1998, Digital geologic map of the Spokane 1:100,000 quadrangle, Washington and Idaho—a digital database for the 1990 N.L. Joseph map: U.S. Geological Survey Open-File Report 98-115, 13 p., 1 digital plate, scale 1:100,000. http://wrgis.wr.usgs.gov/docs/northwest_region/ofr98-115.html metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/98-115/metadata.html>
- Johnson, B.R., Derkey, P.D., Frost, T.P., Lackaff, B.B. and Derkey, R.E., compilers, 1998, Digital geologic map of Spokane County and vicinity, Washington and

- Idaho: U.S. Geological Survey Open-File Report 98-503, 42 p., 1 digital plate, scale 1:100,000. <http://wrgis.wr.usgs.gov/open-file/of98-503/> metadata <http://geonstdi.er.usgs.gov/metadata/open-file/98-503/metadata.faq.html>
- Johnson, B.R. and Raines, G.L., 2001, Map of major lithologic units in the Pacific Northwest—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Geologic Investigations Series Map I-2674, 11 p., scale 1:1,500,000. <http://geopubs.wr.usgs.gov/i-map/i2674/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/95-680/metadata.faq.html>
- Johnson, B.R. and Raines, G.L., 1995, Digital representation of the Idaho state geologic map—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-690, 22 p. <http://wrgis.wr.usgs.gov/open-file/of95-690/> or <http://wrgis.wr.usgs.gov/docs/geologic/id/idaho.html> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/95-690/metadata.html>
- Johnson, B.R. and Raines, G.L., 1995, Digital map of major lithologic bedrock units for the Pacific Northwest—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-680, 36 p. and 2 plates, scale 1:2,000,000. http://wrgis.wr.usgs.gov/docs/northwest_region/ofr95-680.html metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/95-680/metadata.html>
- Johnson, Rick, Close, Terry, and McHugh, Ed, 1998, Mineral resource appraisal of the Salmon National Forest Idaho: U.S. Geological Survey Open-File Report 98-478. <http://geopubs.wr.usgs.gov/open-file/of98-478/>
- Johnson, C.A., Grimes, D.J., and Rye, R.O., 1998, Accounting for cyanide and its degradation products at three Nevada gold mines—constraints from stable C- and N-isotopes: U.S. Geological Survey Open-File Report 98-0753. <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-98-0753/>
- Kamilli, R.J., and Criss, R.E., 1996, Fluid inclusion and oxygen isotopic studies of low sulfide gold-quartz veins in the Jabal Habashi quadrangle (26F), Kingdom of Saudi Arabia: Saudi Arabian Deputy Ministry for Mineral Resources: United States Geological Survey Open File Report 96-2, 17 p.
- Kamatani, M., Piper, D.Z., and others, 1997, Mineral-resources map of the circum-Pacific region, northwest quadrant: U.S. Geological Survey Circum-Pacific Map Series CP-42, scale 1:10,000,000, with pamphlet, 60 p.
- Kelley, W.N., 2000, [unpublished] Digital geologic map of the Butte 1° x 2° quadrangle, Montana—a digital database for the 1998 R.S. Lewis map: U.S. Geological Survey unpublished report and digital data, 23 p., 1 digital sheet, version 1.0.
- Kelley, W.N., 2000, [unpublished] Digital geologic map of the Montana part of the Nez Perce Pass 1:100,000 quadrangle—a digital database for the 1996 Berg and Lonn map: U.S. Geological Survey unpublished report and digital data, 28 p., 1 digital sheet, version 1.0.
- Kelley, W.N., and Kayser, H.Z., 2001, [unpublished] Digital geologic map of the St. Maries quadrangle, Idaho—a digital database for the unpublished Lewis, Burmester, Kauffman, and Frost map: U.S. Geological Survey unpublished report and digital data, 21 p., 1 digital sheet, version 1.0.

- Kelley, W.N. and Koenig, M.C., 2000, [unpublished] Digital geologic map of the Montana part of the Wallace 1:100,000 quadrangle—a digital database for the 1999 Lonn and McFaddan map: U.S. Geological Survey unpublished report and digital data, 23 p., 1 digital sheet, version 1.0.
- Kelley, W.N. and Koenig, M.C., 2001, [unpublished] Digital geologic map of the Montana part of the Missoula West 1:100,000 quadrangle—a digital database for the 1998 R.S. Lewis map: U.S. Geological Survey unpublished report and digital data, 26 p., 1 digital sheet, version 1.0.
- Khanchuk, A.I., and Popeko, L.I., 1999, Preliminary terrane and overlap assemblage map of Russian Southeast region, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, scale 1:5,000,000, CD-ROM.
- Kiilsgaard, Thor, 1998a, Mining properties in Washington that were involved in the DMA, DMEA, OME Mineral Exploration Programs, 1950–1974: U.S. Geological Survey Open-File Report 98-232. <http://geopubs.wr.usgs.gov/open-file/of98-232/>
- Kiilsgaard, Thor, 1998b, Mining properties in Oregon that were involved in the DMA, DMEA, OME Mineral Exploration Programs, 1950–1974: U.S. Geological Survey Open-File Report 98-464. <http://geopubs.wr.usgs.gov/open-file/of98-464/>
- Kiilsgaard, Thor, 1997, Mining properties in Idaho that were involved in the DMA, DMEA, OME Mineral Exploration Programs, 1950–1974: U.S. Geological Survey Open-File Report 97-439. <http://geopubs.wr.usgs.gov/open-file/of07-439/>
- Kiilsgaard, Thor, 1996, Mining properties in Montana that were involved in the DMA, DMEA, OME Mineral Exploration Programs, 1950–1974: U.S. Geological Survey Open-File Report 96-501. <http://geopubs.wr.usgs.gov/open-file/of96-501>.
- Knudsen, A.C., Gunter, M.E., and Herring, J.R., 2001, Preliminary mineralogical characterization of weathered and less-weathered strata of the Meade Peak Phosphatic Shale Member of the Permian Phosphoria Formation—measured sections C and D, Dry Valley, Caribou County, Idaho: U.S. Geological Survey Open-File Report 00-72. <http://geopubs.wr.usgs.gov/open-file/of01-72/>
- Knudsen, A.C., Gunter, M.E., and Herring, J. R., 2000, Preliminary mineralogical characterization of weathered and less-weathered strata of the Meade Peak Phosphatic Shale Member of the Permian Phosphoria Formation—Measured sections A and B, central part of Rasmussen Ridge, Caribou County, Idaho: U.S. Geological Survey Open-File Report 00-116, 74 p.
- Knudsen, A.C., Gunter, M.E., Herring, J.R., and Grauch, R.I., 2002, Mineralogical Characterization of Strata of the Meade Peak Phosphatic Shale Member of the Permian Phosphoria Formation—Channel and Individual Rock Samples of Measured Section J and their Relationship to Measured Sections A and B, Central Part of Rasmussen Ridge, Caribou County, Idaho: U.S. Geological Survey, Open-File Report 02-125.
- Knudsen, A.C., Gunter, M.E., and Herring, J.R., and Grauch, R.I., 2002, Mineralogical characterization of weathered and less weathered strata of the Meade Peak phosphatic shale member of the permian phosphoria formation—Measured Sections E and F, Rasmussen Ridge, and Measured Sections G and H, Sage Creek

- area of the Webster Range, Caribou County, Idaho: U.S. Geological Survey Open-File Report 02-392, 37 p. <http://geopubs.wr.usgs.gov/open-file/of02-392/>
- Kotlyar, B.B., Singer, D.A., Jachens, R.C., and Theodore, T.G., 1998, Regional analysis of the distribution of gold deposits in northeast Nevada using NURE arsenic data and geophysical data, *in* Tosdal, R.M., ed., Contributions to the Au metallogeny of the northern Great Basin: U.S. Geological Survey Open-File Report 98-338, p. 234–242. <http://geopubs.wr.usgs.gov/open-file/of98-338/>
- Kotlyar, B.B., and Theodore, T.G., 1998, Multilevel geochemical anomalies at the Fortitude gold skarn, Battle Mountain Mining District, Nevada, *in* Tosdal, R.M., ed., Contributions to the Au metallogeny of the northern Great Basin: U.S. Geological Survey Open-File Report 98-338, p. 259-263. <http://geopubs.wr.usgs.gov/open-file/of98-338/>
- Kouda, Ryoichi, and Singer, D.A., 2002, Cognitive exploration by artificial neural networks, *in* Singer, D.A., ed., Abstracts for the Symposium on the Application of Neural Networks to the Earth Sciences; U.S. Geological Survey Open-File Report 02-315. <http://geopubs.wr.usgs.gov/open-file/of02-315/>
- Kuwabara, J.S., Berelson, W.M., Balistrieri, L.S., Woods, P.F., Topping, B.R., Steding, D.J., and Krabbenhoft, D.P., 2000, Benthic flux of metals and nutrients into the water column of Lake Coeur d'Alene, ID—report of an August, 1999 Pilot Study: U.S. Geological Survey Water Resources Investigations Report 00-4132, CD-ROM.
- Lamontagne, P.J., and Herring, J.R., 2001, Selenium and other trace elements in air samples collected near the Wooley Valley phosphate mine waste pile, Angus Creek and Little Long Valley, Caribou County, Idaho: U.S. Geological Survey Open-File Report 00-514, 14 p.
- Lee, W.H., 2000, A history of phosphate mining in southeastern Idaho: U.S. Geological Survey Open- File Report 00-425, 253 p., 1 CD ROM. <http://geopubs.wr.usgs.gov/open-file/of00-425/>
- Leonard, C.S., Mihalasky, M.J., and Peters, S.G., 2002, Chapter 6: Weights-of-evidence modeling of sedimentary rock-hosted Au deposits, P.R. China, *in* Peters, S.G., ed., Geology, geochemistry, and geophysics of the sedimentary-rock hosted Au deposits in P.R. China: U.S. Geological Survey Open-File Report 02-131, version 1.0, p. 255-337, CD-ROM. http://wrgis.wr.usgs.gov/open-file/of02-131/chapters/OF02-131_chapter6.pdf
- Lewis, R.S., Burmester, R.F., McFadden, M.D., Derkey, P.D., and Oblad, J.R., 1999, Digital geologic map of the Wallace 1:100,000 quadrangle, Idaho: U.S. Geological Survey Open-File Report 99-390, 46 p., 1 digital plate, scale 1:100,000. <http://wrgis.wr.usgs.gov/open-file/of99-390/> metadata<http://geo-nsdi.er.usgs.gov/metadata/open-file/99-390/metadata.faq.html>
- Lewis, R.S. and Derkey, P.D., 1999, Digital geologic map of part of the Thompson Falls 1:100,000 quadrangle, Idaho: U.S. Geological Survey Open-File Report 99-438, 32 p., 1 digital plate, scale 1:100,000. <http://wrgis.wr.usgs.gov/open-file/of99-438/> metadata<http://geo-nsdi.er.usgs.gov/metadata/open-file/99-438/metadata.faq.html>
- Li, Zhiping, and Peters, S.G., 1999, Comparative geology and geochemistry of sedimentary rock-hosted (Carlin-type) gold deposits in the People's Republic of

- China and in Nevada, USA: U.S. Geological Survey Open-File Report 99-466
160 p.
- Long, K.R., DeYoung, Jr., J.H., and Ludington, Steve, 1998, Significant deposits of gold, silver, copper, lead, and zinc in the United States: U.S. Geological Survey Open-File Report 98-206A, 33 p., 98-206B, one 3.5 in. diskette.
<http://geopubs.wr.usgs.gov/open-file/of98-206/>
- Long, Keith R., and Singer, D.A., 2001, A simplified economic filter for open-pit mining and heap-leach recovery of copper in the United States: U.S. Geological Survey Open-File Report 01-218, 21p. <http://geopubs.wr.usgs.gov/open-file/of01-018/>
- Ludington, S., Bookstrom, A.A., Kamilli, R.J., Walker, B.M., and Klein, D.P., 1995, Climax Mo deposits, *in* du Bray, E.A., ed., Preliminary compilation of descriptive geoenvironmental mineral deposit models: U.S. Geological Survey Open-File Report 95-831, p. 70-74.
- Lund, K., Derkey, P.D., Brandt, T.K., and Oblad, J.R., 1999, Digital geologic map database of the Payette National Forest and vicinity, Idaho: U.S. Geological Survey Open-File Report 98-219B, 45 p., 10 digital plates, scale 1:100,000.
<http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-98-0219-b/> metadata
<http://geo-nsdi.er.usgs.gov/metadata/open-file/98-219/b/metadata.faq.html>
[superceeds Lund, Karen, Derkey, P.D., Brandt, T.K., and Oblad, J.R., 1998, Digital geologic map of the Payette National Forest and vicinity, Idaho: U.S. Geological Survey Administrative Report, 47 p., 10 plates, scale 1:100,000.
[color]]
- McGibbon, D.A., and Theodore, T.G., 2002 [in press], Magmatic affiliations for enigmatic gold deposits in the northern Battle Mountain Mining District, *in* Hofstra, A.E., ed., U.S. Geological Survey Open-File Report.
- Menzie, W.D., Singer, D.A., Karangan, Nathan, and Tresnadi, Hirdir, 1997, The Hila Prospect: A recently discovered copper occurrence on Ambon Island, Republic of Indonesia: U.S. Geological Survey Open-File Report 97-86, 17 p
- Mihalasky, M.J., 2001, Mineral potential modeling of gold and silver mineralization in the Nevada Great Basin—a GIS-based analysis using weights of evidence: U.S. Geological Survey Open-File Report 01-291, 448 p.
<http://geopubs.wr.usgs.gov/open-file/of01-291/>
- Miller, D.M., Wooden, J.L., and Conway, C.M., 2003, Proterozoic rocks and their mineralization, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160. <http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Miller, F.K., Burmester, R.F., Powell, R.E., Miller, D.M., and Derkey, P.D., 1999, Digital geologic map of the Sandpoint 1- by 2-degree quadrangle, Washington, Idaho, and Montana: U.S. Geological Survey Open-File Report 99-144, 11p., and 1 digital plate, scale 1:250,000. <http://wrgis.wr.usgs.gov/open-file/of99-144/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/99-144/metadata.faq.html>
- Miller, F.K., Cossette, P.M., and Derkey, P.D., [in press], Digital geologic map of the Chewelah 30- x 60-minute quadrangle, Stevens, Spokane, and Pend Oreille counties, Washington, and Bonner County, Idaho: U.S. Geological Survey Miscellaneous Field Investigations Map I-2354, version 1.0.

- Miller, F.K., Cossette, P.M., and Derkey, P.D., 2000, Geologic map of the Chewelah 30-x 60-minute quadrangle, Washington and Idaho: U.S. Geological Survey Miscellaneous Field Studies Map MF-2354, 20 p., version 1.0, 1 plate, scale 1:100,000. <http://wrgis.wr.usgs.gov/map-mf/mf2354/README.pdf> metadata <http://geo-nsdi.er.usgs.gov/metadata/map-mf/2354/metadata.html>
- Miller, R.J., Koch, R.D., Nokleberg, W.J., Hwang, Duk-Hwan, Ogasawara, Masatsugu, Orolmaa, Demberel, Prokopiev, A.V., Sudo, Sadahisa, Vernikovsky, V.A., and Ye, Mao, 1998, Geographic base map of Northeast Asia: U.S. Geological Survey Open-File Report 98-769, scale 1:5,000,000, 2 diskettes.
- Miller, R.J., Koch, R.D., Nokleberg, W.J., Hwang, Duk-Hwan, Ogasawara, Masatsugu, Orolmaa, Demberel, Prokopiev, A.V., Sudo, Sadahisa, Vernikovsky, V.A., and Ye, Mao, 1999, Geographic base map of Northeast Asia, *in* Geographic base map of Northeast Asia, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary Publications Book 1 from Project on Mineral Resources, Metallogenesis, and Tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, 3 p., scale 1:5,000,000., CD-ROM.
- Miller, R.J., and Rytuba, J.J., 2003, Tertiary rocks, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160. <http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Moore, G., Piper, D.Z., and others, 1998, Mineral-resources map of the Circum-Pacific region, Arctic quadrant: U.S. Geological Survey Circum-Pacific Map Series CP-42, scale 1:10,000,000, with pamphlet, 45 p.
- Moore, T.E., and Murchey, B.L., 1998, Initial results of stratigraphic and structural framework studies in the Cedars quadrangle, *in* Tosdal, R.M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report 98-338, p. 119-140.
- Mossotti, V.G., and Eldeeb, A.R., 2000, MORPH-II, a software package for the analysis of scanning-electron-micrograph images for the assessment of the fractal dimension of exposed stone surfaces: U.S. Geological Survey Open-File Report 00-13, 42 p. <http://geopubs.wr.usgs.gov/open-file/of00-013/>
- Mossotti, V.G., Eldeeb, R.A., and Oscarson, R.L., 1998, MORPH-I version 1.0 A software package for the analysis of electron micrograph images for the assessment of the fractal dimension of enclosed pore surfaces: U.S. Geological Survey Open File Report 98-248, p. 84. <http://caldera.wr.usgs.gov/of98-248>
- Mossotti, V.G., Eldeeb, A.R., Reddy, M.M., Fries, T.L., Schmiermund, R.L., and Sherwood, S.I., 1998, Statistical compilation of NAPAP chemical erosion observations on limestone and marble: U.S. Geological Survey Open-File Report 98-755, p. 280. <http://caldera.wr.usgs.gov/of98-755>
- Mossotti, V.G., and Striegel, M., 1998, National Acid Precipitation Assessment Program Biennial Report to Congress—an integrated assessment (materials effects): U.S. Geological Survey Administrative Report, p. 118. http://www.nnic.noaa.gov/CENR/NAPTA/NAPAP_96.htm
- Moyer, L.A., 2000, Preliminary digital map of cryptocrystalline occurrences in northern Nevada: U.S. Geological Survey Open-File Report 99-523, version 1.0, 38 p.,

- scale 1:750000. <http://geopubs.wr.usgs.gov/open-file/of99-523/> metadata
<http://geo-nsdi.er.usgs.gov/metadata/open-file/99-523/metadata.html>
- Moyle, P.R., and Causey, J.D., 2001, Chemical composition of samples collected from waste rock dumps and other mining-related features at selected phosphate mines in southeastern Idaho, western Wyoming, and northern Utah: U.S. Geological Survey Open-File Report 01-411, 38 p. <http://geopubs.wr.usgs.gov/open-file/of01-411/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/01-411/metadata.met>
- Mudge, M.R., Earhart, R.L., Whipple, J.W., Harrison, J.E., Munts, S.R., and Silkwood, J.T., 2001, Geologic and structure map of the Choteau 1° x 2° quadrangle, western Montana: a digital database: U.S. Geological Survey Miscellaneous Investigations Series Map I-1300, version 1.0, 38 p., 1 digital plate, scale 1:250,000. <http://geopubs.wr.usgs.gov/i-map/i1300/> metadata <http://geo-nsdi.er.usgs.gov/metadata/map-i/1300/metadata.met>
- Munts, S.R., 2000, Digital geologic map of the Coeur d'Alene 1:100,000 quadrangle, Idaho and Montana: U.S. Geological Survey Open-File Report 00-135, version 1.0, 30 p., 1 digital plate, scale 1:100,000. <http://geopubs.wr.usgs.gov/open-file/of00-135/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/00-135/metadata.html>
- Mutschler, F.E., Ludington, Steve, and Bookstrom, A.A., 1999, Giant porphyry-related metal camps of the world—a database: U.S. Geological Survey Open-File Report 99-556. <http://geopubs.wr.usgs.gov/open-file/of99-556>
- Nokleberg, Warren, 2002, International work—mineral systems of Northeast Asia: USGS Minerals News, <http://minerals.usgs.gov/news/v1n1/>, 3 p.
- Nokleberg, W.J., 2001, Conduct of Global Mineral Resource Assessment Project (GMRAP) in Central Asia: Discussions and Comments from August 2001 Project Trip to Kazakhstan, Kyrgyzstan, and Poland, August 11-31, 2001: U.S. Geological Survey Administrative Report submitted to K. Schulz, Project Chief, and K. Johnson, USGS Mineral Resource Program Coordinator, 8 p.
- Nokleberg, W.J., 1997, Major mineral deposits, metallogenesis, and tectonics of the Russian Far East, Alaska, and the Canadian Cordillera—summary and list of Publications for a collaborative project by the Russian Academy of Sciences, ROSKOMNEDRA, the Alaska Division of Geological and Geophysical Surveys, the Geological Survey of Canada, and the U.S. Geological Survey: U.S. Geological Survey Administrative Report submitted to Chief Scientist, Western Minerals Team, May, 1997, 5 p.
- Nokleberg, W.J., 1997, Mineral resources, metallogenesis, and tectonics of Eastern and Southern Siberia, Mongolia, Northeastern China, South Korea, and Japan—summary of a new a collaborative project by the Russian Academy of Sciences, Mongolian Academy of Sciences, Changchun University of Earth Sciences, Korean Institute of Geology and Mining, the Geological Survey of Japan, and the U.S. Geological Survey: U.S. Geological Survey Administrative Report submitted to Chief Scientist, Western Minerals Team, May, 1997, 3 p
- Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Goryachev, N.A., Khanchuk, A.I., Monger, J.W.H., Obolenskiy, A.A., Parfenov, V.V., Rodionov, S.M., and Shpikerman, V.I., 2003, *in* Briskey, J.A., ed., Overview of

methodology of combined regional metallogenic and tectonic analysis, Papers on Workshop on Deposit Modeling, Mineral Resource Assessment, and Their Role in Sustainable Development: U.S. Geological Survey Open-File Report 02-423, p. 37-48.

Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Goryachev, N.A., Koch, R.D. Ratkin, V.V., Rozenblum, I.S., Shpikerman, V.I., Frolov, Y.F., Gorodinsky, M.E., Melnikov, V.D., Ognyanov, N.V., Petrachenko, E.D., Petrachenko, R.I., Pozdeev, A.I., Ross, K.V., Wood, D.H., Grybeck, Donald, Khanchuk, A.I., Kovbas, L.I., Nekrasov, I.Ya., and Sidorov, A.A., 1996, Significant metalliferous and selected non-metalliferous lode deposits and placer districts for the Russian Far East, Alaska, and the Canadian Cordillera U.S. Geological Survey Open-File Report 96-513-A, 385 p.

Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Goryachev, N.A., Koch, R.D. Ratkin, V.V., Rozenblum, I.S., Shpikerman, V.I., Frolov, Y.F., Gorodinsky, M.E., Melnikov, V.D., Diggles, M.F., Ognyanov, N.V., Petrachenko, E.D., Petrachenko, R.I., Pozdeev, A.I., Ross, K.V., Wood, D.H., Grybeck, Donald, Khanchuk, A.I., Kovbas, L.I., Nekrasov, I.Ya., and Sidorov, A.A., 1997, Significant metalliferous lode deposits and placer districts for the Russian Far East, Alaska, and the Canadian Cordillera: U.S. Geological Survey Open-File Report 96-513-B, CD-ROM, <http://wrgis.wr.usgs.gov/open-file/of96-513-b>

Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Goryachev, N.A., Khanchuk, A.I., Monger, J.W.H., Obolenskiy, A.A., Parfenov, V.V., Rodionov, S.M., and Shpikerman, V.I., 2002, Overview of methodology of combined regional metallogenic and tectonic analysis, *in* Briskey, J.A., and Schulz, K.J., eds., Agenda, Extended Abstracts, and Bibliographies for a Workshop on Deposit Modeling, Mineral Resources Assessment, and Their Role in Sustainable Development (International Geological Congress, 31st): U.S. Geological Survey Open-File Report 02-423, p. 37-48. <http://pubs.usgs.gov/of/2002/of02-423/>

Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Eremin, R.A., Ratkin, V.V., Shpikerman, V.I., Goryachev, N.A., Khanchuk, A.I., Koch, R.D., Rozenblum, I.S., Gorodinsky, M.E., Frolov, Y.F., Pozdeev, A.I., Parfenov, L.M., and Sidorov, A.A., 1997, Mineral deposit and metallogenic belt maps of the Russian Far East, Alaska, and the Canadian Cordillera: U.S. Geological Survey Open-File Report 97-161 and Geological Survey of Canada Open File 3446, 2 sheets, scale 1:5,000,000, 5 sheets, scale 1:10,000,000.

Nokleberg, W.J., Cox, D.P., Campbell, D.L., Goldfarb, R.J., and Yeend, Warren, 1999, Mineral resource tract maps, mineral resource tract descriptions with references, and mineral resource database for 37 tracts in South-Central Alaska (76 pages of single-spaced text), *in* U.S. Geological Survey National Mineral Resource Assessment Team, Assessment of Undiscovered Deposits of Gold, Silver, Copper, Lead, and Zinc in the United States: U.S. Geological Survey Circular 1178, 21 p., CD-ROM.

Nokleberg, W.J., Miller, R.J., Naumova, V.V., Khanchuk, A.I., Parfenov, L.M., Kuzmin, M.I., Bounaeva, T.M., Obolenskiy, A.O., Rodionov, S.M., Seminskiy, Z.V., and Diggles, M.F., eds., 2003, Preliminary Publications Book 2 from Project on

- Mineral Resources, Metallogenesis, and Tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 03-203, 1 CD-ROM.
- Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., 1999, Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, CD-ROM. <http://wrgis.wr.usgs.gov/open-file/of99-165/>
- Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., 1999, Introduction to preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, 6 p., CD-ROM
- Nokleberg, W.J., Parfenov, L.M., and Monger, J.W.H., and Baranov, B.V., Byalobzhesky, S.G., Bundtzen, T.K., Feeney, T.D., Fujita, Kazuya, Gordey, S.P., Grantz, Arthur, Khanchuk, A.I., Natal'in, B.A., Natapov, L.M., Norton, I.O., Patton, W.W., Jr., Plafker, George, Scholl, D.W., Sokolov, S.D., Sosunov, G.M., Stone, D.B., Tabor, R.W., Tsukanov, N.V., and Vallier, T.L., 1997, Summary Circum-North Pacific tectono-stratigraphic terrane map: U.S. Geological Survey Open-File Report 96-727, scale 1:10,000,000.
- Nokleberg, W.J., Parfenov, L.M., Monger, J.W.H., Norton, I.O., Khanchuk, A.I., Stone, D.B., Scholl, D.W., and Fujita, K., 1998, Phanerozoic tectonic evolution of the Circum-North Pacific: U.S. Geological Survey Open-File Report 98-574, 125 p.
- Nokleberg, W.J., Parfenov, L.M., Monger, J.W.H., Norton, I.O., Khanchuk, A.I., Stone, D.B., Scholl, D.W., and Fujita, K., 2000, Phanerozoic tectonic evolution of the Circum-North Pacific: U.S. Geological Survey Professional Paper 1626, 122 p. <http://geopubs.wr.usgs.gov/prof-paper/pp1626/>
- Nokleberg, W.J., West, T.D., Dawson, K.M., Shpikerman, V.I., Bundtzen, T.K., Parfenov, L.M., Monger, J.W.H., Ratkin, V.V., Baranov, B.V., Byalobzhesky, S.G., Diggles, M.F., Eremin, R.A., Fujita, K., Gordey, S.P., Gorodinskiy, M.E., Goryachev, N.A., Feeney, T.D., Frolov, Y.F., Grantz, A., Khanchuk, A.I., Koch, R.D., Natalin, B.A., Natapov, L.M., Norton, I.O., Patton, W.W. Jr., Plafker, G., Pozdeev, A.I., Rozenblum, I.S., Scholl, D.W., Sokolov, S.D., Sosunov, G.M., Stone, D.V., Tabor, R.W., Tsukanov, N.V., and Vallier, T.L., 1998, Summary terrane, mineral deposit, and metallogenic belt maps of the Russian Far East, Alaska, and the Canadian Cordillera: U.S. Geological Survey Open-File Report 98-136, CD-ROM. <http://wrgis.wr.usgs.gov/open-file/of98-136/>
- Norman, L.M., Wissler, C.A., Guertin, D.P., and Gray, Floyd, 2002, Digital soils survey map of the Patagonia Mountains, Arizona: U.S. Geological Survey Open-File Report 02-324. <http://geopubs.wr.usgs.gov/open-file/of02-324/>
- Nowlan, G.A., and Theodore, T.G., 2003, Geochemistry, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160. <http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Obolenskiy, A.A., Distanov, E.G., and Sotnikov, V.I., 1999, Preliminary table of lode and occurrences of Altay-Sayan Region and adjacent areas, Eastern Siberia,

Russia, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, 13 p., CD-ROM.

Obolenskiy, A.A., Rodionov, S.M., Ariunbileg, Sodov, Dejidmaa, Gunchin, Distanov, E.G., Dorjgotov, Dangindorjiin, Gerel, Ochir, Hwang, Duk Hwan, Sun, Fengyue, Gotovsuren, Ayurzana, Letunov, S.N., Li, Xujun, Nokleberg, W.J., Ogasawara, Masatsugu, Seminsky, Z.V., Smelov, A.P., Sotnikov, V.I., Spiridonov, A.A., Zorina, L.V., and Yan, Hongquan, 2003, Preliminary mineral deposit models for Northeast Asia, *in* Nokleberg, W.J., and 10 others, eds., Preliminary Publications Book 2 from Project on Mineral Resources, Metallogenesis, and Tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 03-203 (CD-ROM), 47 p. [Adobe Acrobat PDF and Word versions].

Obolenskiy, A.A., Rodionov, S.M., Dejidmaa, Gunchin, Gerel, Ochir, Hwang, Duk Hwan, Miller, R.J., Nokleberg, W.J., Ogasawara, Masatsugu, Smelov, A.P., Yan, Hongquan, and Seminsky, Z.V., with compilations on specific regions by Ariunbileg, Sodov, Biryul'kin, G.B., Byamba, Jamba, Davydov, Y.V., Distanov, E.G., Dorjgotov, Dangindorjiin, Gamyanin, G.N., Fridovskiy, V.Yu., Goryachev, N.A., Gotovsuren, Ayurzana, Khanchuk, A.I., Kochnev, A.P., Kostin, A.V., Kuzmin, M.I., Letunov, S.A., Li, Jiliang, Li, Xujun, Malceva, G.D., Melnikov, V.D., Nikitin, V.M., Parfenov, L.M., Popov, N.V., Prokopiev, A.V., Ratkin, V.V., Shpikerman, V.I., Sotnikov, V.I., Spiridonov, A.V., Stogniy, V.V., Sudo, Sadahisa, Sun, Fengyue, Sun, Jiapeng, Sun, Weizhi, Supletsov, V.M., Timofeev, V.F., Tyan, O.A., Vetluzhskikh, V.G., Wakta, Koji, Xi, Aihua, Yakovlev, Y.V., Zhizhin, V.I., Zinchuk, N.N., and Zorina, L.M., 2003, Preliminary metallogenic belt and mineral deposit location maps for Northeast Asia, *in* Nokleberg, W.J., and 10 others, eds., Preliminary Publications Book 2 from Project on Mineral Resources, Metallogenesis, and Tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 03-203 (CD-ROM), 1 sheet, scale 1: 7,500,000, 3 sheets, scale 1: 15,000,000, explanatory text, 93 p. [Adobe Acrobat PDF versions].

Obolenskiy, A.A., Rodionov, S.M., Dejidmaa, Gunchin, Gerel, Ochir, Hwang, Duk Hwan, Miller, R.J., Nokleberg, W.J., Ogasawara, Masatsugu, Smelov, A.P., Yan, Hongquan, and Seminsky, Z.V., with compilations on specific regions by Ariunbileg, Sodov, Biryul'kin, G.B., Byamba, Jamba, Davydov, Y.V., Distanov, E.G., Dorjgotov, Dangindorjiin, Gamyanin, G.N., Fridovskiy, V.Yu., Goryachev, N.A., Gotovsuren, Ayurzana, Khanchuk, A.I., Kochnev, A.P., Kostin, A.V., Kuzmin, M.I., Letunov, S.A., Li, Jiliang, Li, Xujun, Malceva, G.D., Melnikov, V.D., Nikitin, V.M., Parfenov, L.M., Popov, N.V., Prokopiev, A.V., Ratkin, V.V., Shpikerman, V.I., Sotnikov, V.I., Spiridonov, A.V., Stogniy, V.V., Sudo, Sadahisa, Sun, Fengyue, Sun, Jiapeng, Sun, Weizhi, Supletsov, V.M., Timofeev, V.F., Tyan, O.A., Vetluzhskikh, V.G., Wakta, Koji, Xi, Aihua, Yakovlev, Y.V., Zhizhin, V.I., Zinchuk, N.N., and Zorina, L.M., 2003, Preliminary metallogenic belt and mineral deposit location maps for Northeast Asia: U.S. Geological Survey Open-File Report 03-204, 1 sheet, scale 1:7,500,000, 3 sheets, scale 1:15,000,000, explanatory text, 143 p. [Paper version available from USGS Maps

- on demand: <http://rockyweb.cr.usgs.gov/mod/ak.html> (\$15.00 per sheet). web version: <http://geopubs.wr.usgs.gov/open-file/of03-204/>
- Orris, G.J., and Bliss, J.D., 2002, The mines and mineral occurrences of Afghanistan: U.S. Geological Survey Open-File Report 02-110, 114 p.
<http://geopubs.wr.usgs.gov/open-file/of02-110/>
- Orris, G.J., and Chernoff, C.B., 2002, Data set of world phosphate mines, deposits, and occurrences- Part B.—location and mineral economic data: U.S. Geological Survey Open-File Report 02-156-B, 328 p.
- Orris, G.J. and Grauch, R.I., 2002, Rare earth element mines, deposits, and occurrence: U.S. Geological Survey Open-File Report 02-189.
<http://geopubs.wr.usgs.gov/open-file/of02-189/>
- Page, N.J., Nokleberg, W.J., and Miller, R.J., 2002, Geologic map of the Stillwater Complex, Montana: a digital database: U.S. Geological Survey Miscellaneous Investigations Series Map I-797, version 1.0, 29 p., 5 digital sheets, scale 1:12,000. <http://geopubs.wr.usgs.gov/i-map/i797/> metadata <http://geonames.er.usgs.gov/metadata/map-i/797/geology.met> <http://geonames.er.usgs.gov/metadata/map-i/797/topobase.met> <http://geonames.er.usgs.gov/metadata/map-i/797/source.met>
- Parfenov, L.M., Khanchuk, A.I., Badarch, Gombosuren, Miller, R.J., Naumova, V.V., Nokleberg, W.J., Ogasawara, Masatsugu, Prokopiev, A.V., and Yan, Hongquan, with contributions on specific regions by Belichenko, Valentina, Berzin, N.A., Bulgatov, A.N., Byamba, Jamba, Deikunenko, A.V., Dong, Yongsheng, Dril, S.I., Gordienko, I.V., Hwang, Duk Hwan, Kim, B.I., Korago, E.A., Kos'ko, M.K., Kuzmin, M.I., Orolmaa, Demberel, Oxman, V.S., Popeko, L.I., Rudnev, S.N., Sklyarov, E.V., Smelov, A.P., Sudo, Sadahisa, Suprunenko, O.I., Sun, Fengyue, Sun, Jiapeng, Sun, Weizhi, Timofeev, V.F., Tret'yakov, F.F., Tomurtagoo, Onongin, Vernikovsky, V.A., Vladimiro, A.G., Wakita, Koji, Ye, Mao, and Zedgenizov, A.N., 2003, Preliminary Northeast Asia Geodynamics Map, in Nokleberg, W.J., and 10 others, eds., Preliminary Publications Book 2 from Project on Mineral Resources, Metallogenesis, and Tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 03-203 (CD-ROM), 2 sheets, scale 1:5,000,000. [Adobe Acrobat PDF version].
- Parfenov, L.M., Khanchuk, A.I., Badarch, Gombosuren, Miller, R.J., Naumova, V.V., Nokleberg, W.J., Ogasawara, Masatsugu, Prokopiev, A.V., and Yan, Hongquan, with contributions on specific regions by Belichenko, Valentina, Berzin, N.A., Bulgatov, A.N., Byamba, Jamba, Deikunenko, A.V., Dong, Yongsheng, Dril, S.I., Gordienko, I.V., Hwang, Duk Hwan, Kim, B.I., Korago, E.A., Kos'ko, M.K., Kuzmin, M.I., Orolmaa, Demberel, Oxman, V.S., Popeko, L.I., Rudnev, S.N., Sklyarov, E.V., Smelov, A.P., Sudo, Sadahisa, Suprunenko, O.I., Sun, Fengyue, Sun, Jiapeng, Sun, Weizhi, Timofeev, V.F., Tret'yakov, F.F., Tomurtagoo, Onongin, Vernikovsky, V.A., Vladimiro, A.G., Wakita, Koji, Ye, Mao, and Zedgenizov, A.N., 2003, Preliminary Northeast Asia geodynamics map: U.S. Geological Survey Open-File Report 03-205, 2 sheets, scale 1:5,000,000. [Paper version available from USGS Maps on demand:
<http://rockyweb.cr.usgs.gov/mod/ak.html> (\$15.00 per sheet). web version: <http://geopubs.wr.usgs.gov/open-file/of03-205/>]

- Parfenov, L.M., Khanchuk, A.I., and Nokleberg, W.J., 1999, Terrane map of Northeast Asia: Principles of compilation and major subdivisions of the legend, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, 11 p., CD-ROM.
- Parfenov, L.M., Khanchuk, A.I., Badarch, Gombosuren, Miller, R.J., Naumova, V.V., Nokleberg, W.J., Ogasawara, Masatsugu, Prokopiev, A.V., Yan, Hongquan, and 22 contributors, [in press], Northeast Asia Geodynamics Map: U.S. Geological Survey Map I-~~xxx~~, 2 sheets, scale 1:5,000,000.
- Parfenov, L.M., Prokopiev, A.V., Deikunenko, A.V., Oxman, V.S., Smelov, A.P., Timofeev, V.F., Tret'yakov, F.F., Zadgenizov, A.P., and Vernikovsky, V.A., 1999, Preliminary geodynamic map of Yakutia region, eastern Siberia, *in* Nokleberg, W.J., Naumova, V.V., Kuzmin, M.I., and Bounaeva, T.V., eds., Preliminary publications book 1 from project on mineral resources, metallogenesis, and tectonics of Northeast Asia: U.S. Geological Survey Open-File Report 99-165, 11 p., 2 sheets, scale 1:5,000,000, CD-ROM.
- Perkins, M.B., McIntyre, B., Hein, J.R., and Piper, D.Z., 2003, Geochemistry of Permian rocks from the margins of the Phosphoria Basin—Lakeridge core, western Wyoming: U.S. Geological Survey Open-File Report 03-21, 60 p.
<http://geopubs.wr.usgs.gov/open-file/of03-21/>
- Peters, S.G., ed., 2002, Geology, geochemistry, and geophysics of sedimentary rock-hosted Au deposits in P.R. China: U.S. Geological Survey Open-File Report 02-131, CD-ROM.
- Peters, S.G., 2001, Use of structural geology in exploration for mining of sedimentary rock-hosted Au deposits: U.S. Geological Survey Open-File Report 01-151.
<http://geopubs.wr.usgs.gov/open-file/of01-151/>
- Peters, S.G., 1999, Relations between the Richmond Mountain thrust, and the Crescent Valley-Independence Lineament, Lynn Window, Eureka County, Nevada: U.S. Geological Survey Open-File Report 99-329, 16 p., scale 1:6,000 scale.
- Peters, S.G., 1998, Evidence for the Crescent Valley-Independence Lineament, north central Nevada, *in* Tosdal, R.M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report 98-338, p. 106-118.
- Peters, S.G., 1997, Structural transect across the northcentral Carlin Trend, Eureka County, Nevada: U.S. Geological Survey Open-File Report 97-83, 41 p. 6 sheets, scale 1:500.
- Peters, S.G., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Nash, J.T., John, D.A., King, H.D., Theodore, T.G., Connors, K.A., and Moring, B.C., 1996, Mining districts and mineral occurrences in the Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California, *in* Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G., and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management's Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, Plate 1, scale 1:1,100,000.

- Peters, S.G., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Nash, J.T., John, D.A., King, H.D., Theodore, T.G., Connors, K.A., and Moring, B.C., 1996, Tracts for pluton-related deposits in the Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California, *in* Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G., and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management's Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, Plate 2, scale 1:1,100,000.
- Peters, S.G., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Nash, J.T., John, D.A., King, H.D., Theodore, T.G., Connors, K.A., and Moring, B.C., 1996, Tracts for tungsten deposits in the Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California, *in* Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G., and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management's Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, Plate 3, scale 1:1,100,000.
- Peters, S.G., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Nash, J.T., John, D.A., King, H.D., Theodore, T.G., Connors, K.A., and Moring, B.C., 1996, Tracts for polymetallic vein, replacement manganese, and distal-disseminated silver-gold deposits in the Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California, *in* Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G., and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management's Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, Plate 5, scale 1:1,100,000.
- Peters, S.G., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Nash, J.T., John, D.A., King, H.D., Theodore, T.G., Connors, K.A., and Moring, B.C., 1996, Tracts for hot-spring-related deposits in the Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California, *in* Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G., and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management's Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, Plate 6, scale 1:1,100,000.
- Peters, S.G., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Nash, J.T., John, D.A., King, H.D., Theodore, T.G., Connors, K.A., and Moring, B.C., 1996, Tracts for volcanic and pluton-related uranium deposits in the Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California, *in* Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G.,

- and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management's Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, Plate 7, scale 1:1,100,000.
- Peters, S.G., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Nash, J.T., John, D.A., King, H.D., Theodore, T.G., Connors, K.A., and Moring, B.C., 1996, Tracts for sediment-hosted gold deposits in the Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California, *in* Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G., and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management's Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, Plate 8, scale 1:1,100,000.
- Peters, S.G., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Nash, J.T., John, D.A., King, H.D., Theodore, T.G., Connors, K.A., and Moring, B.C., 1996, Tracts for low-sulfide (Chugach-type) gold-quartz deposits in the Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California, *in* Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G., and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management's Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, Plate 9, scale 1:1,100,000.
- Peters, S.G., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Nash, J.T., John, D.A., King, H.D., Theodore, T.G., Connors, K.A., and Moring, B.C., 1996, Tracts for placer gold deposits in the Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California, *in* Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G., and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management's Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, Plate 11, scale 1:1,100,000.
- Peters, S.G., Ferdock, G.C., Woitsekhowskaya, M.B., Leonardson, Robert, and Rahn, Jerry, 1998, Oreshoot zoning in the Carlin-type Betze Orebody, Goldstrike Mine, Eureka County, Nevada: U.S. Geological Open-File Report 98-620, 49 p.
- Peters, S.G., Huang, Jiazhan, Wang, Y.J., Mihalasky, M.J., and Chenggui, Jing, 2002, Chapter 5—Geology and geochemistry of sedimentary-rock-hosted Au deposits in the middle-lower Yangtze River area, Hubei and Anhui Provinces, P.R. China, *in* Peters, S.G., ed., Geology, geochemistry, and geophysics of the sedimentary-rock-hosted Au deposits in P.R. China: U.S. Geological Survey Open-File Report 02-131, version 1.0, p. 338-403, CD-ROM. http://wrgis.wr.usgs.gov/open-file/of02-131/chapters/OF02-131_chapter5.pdf metadata <http://geonstdi.er.usgs.gov/metadata/open-file/>

- Peters, S.G., Mihalasky, M.J., and Theodore, T.G., [in press], Assessment for sedimentary rock-hosted Au–Ag deposits, Chapter 8, in Wallace, A.R., Mihalasky, M.J., Peters, S.G., Theodore, T.G., Ponce, D.A., Ludington, Steve, John, D.A., and Berger, B.R., Metallic mineral resources of the Humboldt River Basin, northern Nevada: U.S. Geological Survey Digital Data Series DDS–xxx approx. 75 msp. [not listed on WPG publication list March 13, 2003]
- Peters, S.G., Nash, J.T., John, D.A., Spanski, G.T., King, H.D., Connors, K.A., Moring, B.C., Doebrich, J.L., McGuire, D.J., Albino, G.V., Dunn, V.C., Theodore, T.G., and Ludington, Steve, 1996, Metallic mineral resources in the U.S. Bureau of Land Management’s Winnemucca District and Surprise Resource Area, northwest Nevada and northeast California: U.S. Geological Survey Open-File Report 96-712, 147 p.
- Peters, S.G., Spanski, G.T., Brooks, H.C., Evans, J.G., Carlson, R.R., Lee, G.K., Connors, K.A., Rytuba, J.J., Griscom, Andrew, Albino, G.V., and Halvorson, P.H., 1996, Resource assessment of BLM’s Malheur, Jordan, and Andrews Resource Areas: U.S. Geological Survey Administrative Report, 69 p., 7 plates.
- Phillips, J.D., 2002, Processing and Interpretation of aeromagnetic data for the Santa Cruz Basin—Patagonia Mountains area, south-central Arizona: U.S. Geological Survey Open-File Report 02-98. <http://geopubs.wr.usgs.gov/open-file/of02-98/>
- Piper, D.Z., 1999, Trace elements and major-element oxides in the Phosphoria Formation at Enoch Valley, Idaho—Permian sources and current reactivities: U.S. Geological Survey Open-File Report 99-163, 66 p.
- Piper, D.Z., Amey, E.B., Hilliard, H.E., Hedrick, J.B., Galtseva, N., and Nokleberg, W.J., 1999, Historical trends of U.S. mineral statistics for gold, silver, and the rare-earth elements: U.S. Geological Survey Open-File Report 99-39, 28 p.
- Piper, D.Z., and Dean, W.E., 2002, Trace-element deposition in the Cariaco Basin, Venezuela shelf, under sulfate-reducing conditions—a history of the local hydrography and global climate: U.S. Geological Survey Professional Paper 1670, 41 p.
- Piper, D.Z., and Nokleberg, W.J., 2002, Historical trends in U.S. mineral statistics for selected non-ferrous metals: U.S. Geological Survey Open-File Report 02-29, 86 p. <http://geopubs.wr.usgs.gov/open-file/of02-29/>
- Piper, D.Z., Skorupa, J.P., Presser, T.S., Hardy, M.A., Hamilton, S.J., Huebner, M., and Gulbrandsen, R.A., 2000, The Phosphoria Formation at the Hot Springs Mine in southeast Idaho—a source of selenium and other trace elements to surface water, ground water, vegetation, and biota: U.S. Geological Survey Open-File Report 00-050, 73 p.
- Plouff, Donald, 1998, Computer programs to display and modify data in geographic coordinates and methods to transfer positions to and from maps, with applications to gravity data processing, global positioning systems, and 30-meter digital elevation: U.S. Geological Survey Open-File Report 98-233, 43 p.
- Plouff, Donald, 2000, Field estimates of gravity terrain corrections and Y2K-compatible method to convert from gravity readings with multiple base stations to tide- and long-term drift-corrected observations: U.S. Geological Survey Open-File Report 00-140, 35 p.

- Plume, R.W., and Ponce, D.A., 1998, Hydrologic framework and ground-water levels, 1982 and 1996, in the Humboldt River Basin, Nevada: U.S. Geological Survey Water Resources Report WRI 89-4209, 24 p., 2 plates.
- Ponce, D.A., 1997, Gravity data of Nevada: U.S. Geological Survey Digital Data Series DDS-42, 27 p., CD-ROM.
- Ponce, D.A. and Moring, B.C., 1998, Drill-hole lithology map of the Winnemucca 1:250,000 scale quadrangle, Nevada: U.S. Geological Survey Open-File Report 98-220, 8 p.
- Ponce, D.A., and Morin, R.L., 2000, Isostatic gravity map of the Battle Mountain 30 x 60 minute quadrangle, north-central Nevada: U.S. Geological Survey Geologic Investigation Series Map I-2687, scale 1:100,000. [color]
- Raines, G.L., 2001, Resource materials for a GIS spatial analysis course: U.S. Geological Survey Open-File Report 01-221, 216 p.
<http://geopubs.wr.usgs.gov/open-file/of01-221/>
- Raines, G.L. and Johnson, B.R., 1995a, Digital representation of the Montana state geologic map—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-691, 19 p.
<http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-95-0691/> metadata
<http://geo-nsdi.er.usgs.gov/metadata/open-file/95-691/metadata.html>
- Raines, G.L. and Johnson, B.R., 1995b, Digital representation of the Washington state geologic map—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-684, 20 p.
<http://wrgis.wr.usgs.gov/docs/geologic/wa/ofr95-684.html> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/95-684/metadata.html>
- Raines, G.L., Johnson, B.R., Frost, T.P., and Zientek, M.L., 1995, Digital maps of compositionally classified lithologies derived from 1:500,000-scale geologic mapping for the Pacific Northwest—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-685, 28 p., 6 plates. <http://wrgis.wr.usgs.gov/open-file/of95-685> metadata
<http://geo-nsdi.er.usgs.gov/metadata/open-file/95-685/metadata.html>
- Raines, G.L. and Smith, C.L., 1995, Digital National Uranium Resource Evaluation (NURE) geochemistry for the Pacific Northwest—a contribution to the Interior Columbia Basin Ecosystem Management Project: U.S. Geological Survey Open-File Report 95-686, 20 p. http://wrgis.wr.usgs.gov/docs/northwest_region/ofr95-686.html metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/95-686/metadata.html>
- Raines, G.L., Sawatzky, D.L., and Connors, K.A., 1996, Great Basin geoscience database: U.S. Geological Survey Digital Data Series DDS-41, CD-ROM.
- Rember, W.C., Bennett, E.H., and Kayser, H.Z., 2001, Spatial digital database for the geologic map of the east part of the Pullman 1° x 2° quadrangle, Idaho: U.S. Geological Survey Open-File Report 01-262, 29 p., 1 digital sheet, scale 1:250,000. <http://geopubs.wr.usgs.gov/open-file/of01-262/> metadata <http://geo-nsdi.er.usgs.gov/metadata/open-file/01-262/metadata.met>
- Rember, W.C., Bennett, E.H., and Kayser, H.Z., 2001, Spatial digital database for the geologic map of the east part of the Pullman 1° x 2° quadrangle, Idaho: U.S. Geological Survey Open-File Report 01-262, version 1.0, 29 p., 1 digital sheet,

- scale 1:250000. <http://geopubs.wr.usgs.gov/open-file/of01-262/> metadata
<http://geo-nsdi.er.usgs.gov/metadata/open-file/01-262/metadata.met>
- Rytuba, J.J., 2002, Mercury geoenvironmental models, *in* Seal, R. and Hammerstrom, J., eds., Geoenvironmental models short course, ICARD: U.S. Geological Survey Open-File Report OF 02-195, p. 161-175. <http://wrgis.wr.usgs.gov/of/2002/0f02-195/>
- Rytuba, J.J., 1999 [in press], Environmental impact of mercury from mercury deposits and mining—examples from the California Coast Range mercury mineral belt, *in* Gray, John, ed., Mercury in the Environment: U. S. Geological Survey Bulletin xxx. [not in GeoRef. March 4, 2003]
- Rytuba, J.J., 1997, Environmental geochemistry of mercury deposits in the Coast Range mercury belt, CA [abs.], *in* Wanty, R.B., Marsh, S.P., and Gough, L.P., eds., International Symposium on Environmental Geochemistry, 4th, Proceedings: U.S. Geological Survey Open-File Report 97-496, p. 78-79.
- Rytuba, J.J., Janik, Cathy, and Goff, Fraser, 1996, Transport of mercury in Sulphur Creek, CA. [abs.]: U.S. Geological Survey, Mercury Workshop on Mercury Cycling in the Environment, Program with Abstracts.
<http://toxics.usgs.gov/pubs/hg/abstracts.html>
- Rytuba, J.J., John, D.A., Foster, A., Ludington, S.D. and Kotlyar, B., 2003 [in press], Hydrothermal enrichment of gallium in zones of advanced argillic alteration; examples from the Paradise Peak and McDermitt ore deposits, Nevada: U.S. Geological Survey Bulletin, 28 msp.
- Rytuba, J. J., Kotlyar, B.B., Wilkerson, G., and Olson, J., 2001, Geochemistry of selected mercury mine-tailings in the Parkfield Mercury District, California: U.S. Geological Survey Open-File Report 01-336 15p. <http://wrgis.wr.usgs.gov/open-file/of01-336/>
- Schruben, P.G. Wyann, J.C., Gray, Floyd, Cox, D.P., Stewart, J.H., and Brooks, W.E., 1997, Geology and mineral resource assessment of the Venezuelan Guayana Shield at 1:500,000 scale—a digital representation of maps published by the U.S. Geological Survey: U.S. Geological Survey Digital Data Series DDS-46.
- Scotese, C.R., Nokleberg, W.J., Monger, J.W.H., Norton, I.O., Parfenov, L.M., Bundtzen, T.K., Dawson, K.M., Eremin, Frolov, Y.F., Fujita, Kazuya, R.A., Goryachev, N.A., Khanchuk, A.I., Pozdeev, A.I., Ratkin, V.V., Rodinov, S.M., Rozenblum, I.S., Shpikerman, V.I., Sidorov, A.A., and Stone, D.B., 2001, *in* Nokleberg, W.J. and Diggles, M.F., eds., Dynamic computer model for the metallogenesis and tectonics of the Circum-North Pacific: U.S. Geological Survey Open-File Report 01-261, CD-ROM. <http://geopubs.wr.usgs.gov/open-file/of01-261/>
- Senterfit, R.M., Ratté, J.C., Kamilli, R.J., and Klein, D.P., 1996, Audio-magnetotelluric study of the Bursum Caldera and Mogollon Mining District, Southwestern New Mexico: U.S. Geological Survey Open-File Report 96-0037, 34 p.
- Singer, D.A., [in press], Estimating amounts of undiscovered mineral resources, *in* Schulz, Klaus, ed., Methods for Global Mineral Resource Assessment, Chapter xxx: U.S. Geological Survey Professional Paper 1640, 17 msp.
- Singer, D.A., ed., 2002, Abstracts for the Symposium on the Application of Neural Networks to the Earth Sciences: U.S. Geological Survey Open-File Report 02-315. <http://geopubs.wr.usgs.gov/open-file/of02-315/>

- Singer, D.A., 2002, Deposit models and their application in mineral resource assessments, *in* Briskey, J. A., and Schulz, Klaus, eds., Agenda, extended abstracts, and bibliographies for a Workshop on Deposit Modeling, Mineral Resources Assessment, and Their Role in Sustainable Development: U.S. Geological Survey Open-file Report 02-423, p. 62-65, <http://pubs.usgs.gov/of/2002/of02-423/>
- Singer, D.A., 2002, Estimating amounts of undiscovered mineral resources, *in* Briskey, J. A., and Schulz, Klaus, eds., Agenda, extended abstracts, and bibliographies for a Workshop on Deposit Modeling, Mineral Resources Assessment, and Their Role in Sustainable Development: U.S. Geological Survey Open-file Report 02-423, p. 66-70, <http://pubs.usgs.gov/of/2002/of02-423/>
- Singer, D. A., 1999, Classifying the Shumagin and Alaska Apollo deposits, *in* Reihle, J.R. ed., A geological and geophysical study of the gold-silver vein system of Unga Island, Southwestern Alaska: U. S. Geological Survey Open-File Report 99-136, 6 p., CD-ROM.
- Singer, D.A., 1998, Revised grade and tonnage model of carbonatite deposits: U.S. Geological Survey Open-File Report 98-235, 7 p.
- Singer, D.A., and Berger, Vladimir, [in press], Deposit models and their application in mineral resource assessments, *in* Schulz, Klaus, ed., Methods for global mineral resource assessment, Chapter xxx: U.S. Geological Survey Professional Paper 1640, 20 p.
- Singer, D. A., Berger, V.I., and Moring, B.C., 2002, Porphyry copper deposits of the world: database, maps, and preliminary analysis: U.S. Geological Survey Open-File Report 02-268, 62 p. <http://geopubs.wr.usgs.gov/open-file/of02-268/>
- Singer, D.A., and Bliss, J.D., 2002, Use of a probabilistic neural network to reduce costs of selecting construction rock, *in* Singer, D.A., ed., 2002, Abstracts for the Symposium on the Application of Neural Networks to the Earth Sciences: U.S. Geological Survey Open-File Report 02-315. <http://geopubs.wr.usgs.gov/open-file/of02-315/>
- Singer, D.A., and Kouda, Ryoichi, 2002, Typing mineral deposits using their grades and tonnages in an artificial neural network, *in* Singer, D.A., ed., 2002, Abstracts for the Symposium on the Application of Neural Networks to the Earth Sciences: U.S. Geological Survey Open-File Report 02-315. <http://geopubs.wr.usgs.gov/open-file/of02-315/>
- Singer, D.A., Menzie, W.D., and Long, K.R., 2000, A simplified economic filter for underground mining of massive sulfide deposits: U. S. Geological Survey Open-File Report 00-349, 20 p.
- Singer, D.A., Menzie, W.D., and Long, K.R., 1998, A simplified economic filter for open-pit gold-silver mining in the United States: U.S. Geological Survey Open-File Report 98-207, 10 p.
- Singer, D.A., Menzie, W.D., Sutphin, David, Mosier, D.L., and Bliss, J.D., 2001, Mineral deposit density—an update, *in* Schulz, Klaus, ed., Methods in global mineral resource assessment, Chapter A: U.S. Geological Survey Professional Paper 1640, p. 1-13. <http://pubs.usgs.gov/prof/p1640a/>
- Singer, D.A., Waller, Nichelle, Mosier, D.L., and Bliss, J.D., 1997, Digital mineralogy data for 55 types of mineral deposits: Macintosh version: U.S. Geological Survey Open-File Report 97-160, 1 disk, 55 files.

- Slate, J.L., Berry, M.E., Young, O.D., Dixon, G.L., Rowley, P.D., Workman, J.B., Fridrich, C.J., McKee, E.H., Ponce, D.A., Fleck, R.J., and others, 1999, Digital geologic map of the Nevada Test Site and vicinity, Nye, Lincoln, and Clark Counties, Nevada, and Inyo County, California: U.S. Geological Survey Open-File Report 99-554-A, 84p.
- Soller, D.R., Brodaric, Boyan, Hasting, J.T., Johnson, B.R., Raines, G.L., and Wahl, R.R., 1998, Progress toward developing a standard geologic map data model: U.S. Geological Survey Open File Report 98-487, p. 47-48.
- Stewart, J.H., 1997, Triassic and Jurassic stratigraphy and paleogeography of west-central Nevada and eastern California with a correlation diagram of Triassic and Jurassic rocks by John H. Stewart, N.J. Silberling, and D.S. Harwood: U.S. Geological Survey Open File Report 97-495, 57 p.
- Stewart, J.H., and Perkins, M.E., 1999, Stratigraphy, tephrochronology, and structure of part of the Miocene Truckee Formation in the Trinity Range-Hot Springs Mountains area, Churchill County, west-central Nevada: U.S. Geological Survey Open File Report 99-330, 23 p.
- Stewart, J.H., and Poole, F.G., 2002, Inventory of Neoproterozoic and Paleozoic strata in Sonora, Mexico: U.S. Geological Survey Open-File Report 2-97.
<http://geopubs.wr.usgs.gov/open-file/of02-97>
- Stewart, J.H., Andrei Sarna-Wojcicki, Meyer, C.E., and Wan, Elmira, 1999, Stratigraphy, tephrochronology, and structural setting of Miocene sedimentary rocks in the Cobble Cuesta area, west-central Nevada: U.S. Geological Survey Open File Report 99-352, 21 p.
- Stewart, J.H., Andrei Sarna-Wojcicki, Meyer, C.E., Starratt, S.W., and Wan, Elmira, 1999, Stratigraphy, tephrochronology, and structural setting of Miocene sedimentary rocks in the Middlegate area, west-central Nevada: U.S. Geological Survey Open File Report 99-350, 17 p.
- Theodore, T.G., ed., 2003, Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160. <http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Theodore, T.G., 2003, Evaluation of metallic mineral resources, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160.
<http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Theodore, T.G., 1998, Pluton-related Au—an overview, *in* Tosdal, R.M., ed., Contributions to the Au metallogeny of the northern Great Basin: U.S. Geological Survey Open-File Report 98-338, p. 251-252.
- Theodore, T.G., 1998, Large distal-disseminated precious-metal deposits, Battle Mountain Mining District, Nevada, *in* Tosdal, R.M., ed., Contributions to the Au metallogeny of the northern Great Basin: U.S. Geological Survey Open-File Report 98-338, p. 253-258.
- Theodore, T.G., ed., 1997, Annual report of the Western Region Gold Project for fiscal year 1997: U.S. Geological Survey Administrative Report, 74 p.
- Theodore, T.G., 1997, Santa Renia Fields [extended abs.], *in* Theodore, T.G., ed., 1997, Annual report of the Western Region Gold project for fiscal year 1997: U.S. Geological Survey Administrative Report, p. 40-41.

- Theodore, T.G., Armstrong, A.K., Harris, A.G., Stevens, C.H., and Tosdal, R.M., 1998, Geology of the northern terminus of the Carlin trend, Nevada—links between crustal shortening during the late Paleozoic Humboldt orogeny and northeast-striking faults, *in* Tosdal, R.M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report 98-338, p. 69-105.
<http://geopubs.wr.usgs.gov/open-file/of98-338/>
- Theodore, T.G., and Kotlyar, B.B., 1997, Studies in the gold-rich pluton-related environment at Battle Mountain [extended abs.], *in* Theodore, T.G., ed., 1997, Annual report of the Western Region Gold project for fiscal year 1997: U.S. Geological Survey Administrative Report, p. 62-67.
- Theodore, T.G., Kotylar, B.B., Berger, V.L., Moring, B.C., Singer, D.A., and Edstrom, S.A., 1999, Geochemistry of stream-sediment samples from the Santa Renia Fields and Beaver Peak quadrangles, Northern Carlin Trend, Nevada: U.S. Geological Survey Open-File Report 99-341, 109 p.
<http://wrgis.wr.usgs.gov/open-file/of99-341/>
- Theodore, T.G., Kotlyar, B.B., Moring, B.C., Singer, D.A., and Edstrom, S.A., 2000, Geochemistry of rock samples from the Santa Renia Fields and Beaver Peak quadrangles, northern Carlin trend, Nevada: U.S. Geological Survey Open-File Report 00-402, 125 p.
- Theodore, T.G., Mihalasky, M.J., Peters, S.G., and Moring, B.C., [in press], Assessment for pluton-related deposits, Chapter 7, *with a section on PGE potential of the Humboldt mafic complex by Zientek, M.L., Sidder, G.B., and Zierenberg, R.A., in Wallace, A.R., Mihalasky, M.J., Peters, S.G., Theodore, T.G., Ponce, D.A., Ludington, Steve, John, D.A., and Berger, B.R., Metallic mineral resources of the Humboldt River Basin, northern Nevada: U.S. Geological Survey Digital Data Series DDS-xxx [approx. 165 msp.]*.
- Tosdal, R.M., ed., 1998, Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report 98-338, 290 p., CD-ROM.
- Tosdal, R.M., 1998, Contributions to the gold metallogeny of northern Nevada—Preface, *in* Tosdal, R.M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report 98- 338, p. 1-7.
- Tosdal, R.M., Cline, J.S., Hofstra, A.H., Peters, S.G., Wooden, J.L., Young-Mitchelol, M.N., 1998, Mixed sources of Pb in sedimentary-rock-hosted Au deposits, northern Nevada: U.S. Geological Survey Open-File Report 98-338, p. 223-233.
- Tosdal, R.M., 2003, General geologic setting, *in* Theodore, T.G., ed., Geology and mineral resources of the East Mojave National Preserve, San Bernardino County, California: U.S. Geological Survey Bulletin 2160.
<http://geopubs.wr.usgs.gov/bulletin/b2160/>
- Tysdal, R.G., Herring, J.R., Desborough, G.A., Grauch, R.I. and Stillings, L.A., 2000, Stratigraphic sections of the Meade Peak Phosphatic Shale Member of the Phosphoria Formation, Dry Valley area, Caribou County, Idaho: U.S. Geological Survey Open-File Report 99-20-B, 1 sheet.
- U.S. Geological Survey Minerals Team, 1996, Data base for a national mineral-resource assessment of undiscovered deposits of gold, silver, copper, lead, and zinc in the conterminous United States: U.S. Geological Survey Open-File Report 96-96, CD-ROM.

- Wallace, A.R., [in press], Regional geologic setting of Late Cenozoic lacustrine diatomite deposits, Great Basin and surrounding region: Overview and plans for investigations, *in* Bliss, J.D., ed., Western Industrial Minerals Project: U.S. Geological Survey e-Bulletin xxx. [not listed on WPG publication list March 13, 2003]
- Wallace, A.R., 2002, Late Cenozoic evolution of the Culebra horst and graben, Rio Grande rift, southern Colorado [abs.]: U.S. Geological Survey and Colorado Geological Survey Conference on Colorado Earthquake Hazards, Crestone, Colo., April 22-24, 2002, [unpublished abstract]
- Wallace, A.R., and John, D.A., 1998, New studies of Tertiary volcanic rocks and mineral deposits, northern Nevada rift, *in* Tosdal, R.M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report 98-338, p. 264-278.
- Wallace, A.R., Mihalasky, M.J., Peters, S.G., Theodore, T.G., Ponce, D.A., Ludington, Steve, John, D.A., and Berger, B.R., 2002 [in press], Metallic mineral resources of the Humboldt River basin, northern Nevada: U.S. Geological Survey Digital Data Series DDS-xxx. [approx. 500 msp.]. [not listed on WPG publication list March 13, 2003]
- Weathers, Judy, Galloway, John, and Frank, Dave, 2001, Minerals in Our Environment: U.S. Geological Survey Open-File Report 00-144, Print on Demand version 1.0 <http://geopubs.wr.usgs.gov/open-file/of00-144/>
- Woitsekowskaya, M.B., and Peters, S.G., 1998, Geochemical modeling of alteration and gold deposition in the Betze deposit, Eureka County, Nevada, *in* Tosdal, R.M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report 98-338, p. 211-222.
- Wooden, J.L., Kistler, R.W., and Tosdal, R.M., 2000, Strontium, lead, and oxygen isotopic data for granitoid and volcanic rocks from the northern Great Basin and Sierra Nevada, California, Nevada, and Utah: U.S. Geological Survey Open-File Report 99-569, 19 p.
- Wooden, J.L., Tosdal, R.M., and Kistler, R.W., 1998, Pb isotopic mapping of crustal structure in the northern Great Basin and relationships to Au deposit trends, *in* Tosdal, R.M., ed., Contributions to the gold metallogeny of northern Nevada: U.S. Geological Survey Open-File Report 98-338, p. 20-33.
- Wrucke, C.T., Bromfield, Calvin, Simons, Frank, Greene, Robert, Houser, B.B., Miller, R.J., and Gray, Floyd, [in press], Geologic map of the San Carlos Indian Reservation, Arizona: U.S. Geological Survey Miscellaneous Investigations Map I-xxxx, (includes a digital database, version 1.0) scale 1:125,000. [need I-number]
- Wynn, J.C., and Gettings, M.E., 1997, A preliminary interpretation of the 1997 Airborne Electromagnetic (EM) survey over Fort Huachuca, Arizona, and the upper San Pedro, basin: U.S. Geological Survey Open-File Report 97-457, 18 p.

Non-U.S. Geological Survey Reports (outside publications) by Western Mineral Resource Authors

- Armstrong, A.K., Theodore, T.G., Kotlyar, B.B., Lauha, E.G., Griffin, G.L., Lorge, D.L., and Abbott, E.W., 1997, Preliminary facies analysis of Devonian autochthonous rocks that host gold along the Carlin trend, Nevada, *in* Vikre, Peter, Thompson, T.B., Bettles, Keith, Christensen, Odin, and Parratt, Ron, eds., Carlin-type gold deposits field conference: Society of Economic Geology Guidebook Series, v. 28, p. 53-73.
- Ashley, R.P., 1999, Environmental impacts of lode gold mining in the Sierra Nevada, California [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 35.
- Ashley, R.P., 1999, Mercury associated with gold mining in the Sierra Nevada Region, California [abs.]: Book of Abstracts, International Conference on Mercury, as a Global Pollutant, 5th, Rio de Janeiro, Brazil, May 23-28, 1999, p. 483.
- Ashley, R.P., and Ziarkowski, D.V., 1999, Arsenic in waters affected by mill tailings at the Lava Cap mine, Nevada Co., California [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 35.
- Ashley, R.P., Foster, A.L., and Ziarkowski, D.V., 2000, Arsenic in waters affected by mill tailings and mine drainage at the Lava Cap mine, Nevada County, California [poster]: International Conference on Arsenic Exposure and Health Effects, Proceedings 4th, June 18-22, San Diego, Calif.
- Ashton, K.L. and Duarte, O.A., 2003, Soil characterization at the World's Fair mine site, Patagonia Mountains, Santa Cruz County, SE Arizona—implications for baseline metal transport during storm runoff events: Tucson, University of Arizona, 31st Annual GeoDaze Geoscience Symposium 2003, p. 55.
- Bailey, E.A., Hines, M.E., Gray, J.E., and Rytuba, J.J., 1999, Mercury transformations in soils at abandoned mercury mines [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 36.
- Balistrieri, L.S., Bookstrom, A.A., Box, S.E., and Ikramuddin, M., 1997, A comparison of the geochemistry of water draining from adits and tailings piles in the Coeur d'Alene mining district: information for the geoenvironmental component of mineral deposit models [abs.]: International Symposium on Environmental Geochemistry 4th.
- Balistrieri, L.S., Box, S.E., Bookstrom, A.A., and Ikramuddin, M., 1999, Assessing the influence of reacting pyrite and carbonate minerals on the geochemistry of drainage in the Coeur d'Alene mining district: Environmental Science & Technology, 33, no. 19, p. 3347-3353.
- Balistrieri, L.S., Shanks, W.C., Meier, A., Cuhel, R.L., Aguilar, C., and Lovalvo, D., 1997, Geochemical consequences of stream influx, evaporation, and sublacustrine hydrothermal venting on the metal chemistry of Yellowstone Lake [abs.]: Eos (American Geophysical Union Transactions), v. 78, no. 46, p. 809.
- Balistrieri L.S., Tempel R.N., and, Stillings, L.L., 2000. Processes affecting water quality in pit lakes—a case study in Dexter Pit Lake, Tuscarora, NV. [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. 344.

- Barth, A.P., Coleman, D.S., Wooden, J.L., and Stewart, J.H., 2000, Disassembling California—rifting and initiation of the Cordilleran miogeocline, San Bernardino Mountains, California [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 6, p. 3.
- Beaudoin, G., Leach, D.L., Hofstra, A., Seifert, T., and Zak, K., 1999, Silver-lead-zinc veins—a descriptive model, in Proceedings of the Fifth biennial SGA meeting and the Tenth quadrennial IAGOD symposium, Stanley, C.J., and others, eds., Mineral deposits—processes to processing, Aug. 22-25, London, United Kingdom, SGA Biennial Meeting, v. 5, p. 923-926.
- Berger, B.R., Drew, L.J., and Singer, D.A., 1999, Quantifying mineral-deposit models for resource assessment, in Ódo, L., Korpás, L., McCammon, R.B., and Hofstra, A.H., eds., Deposit modeling and mining-induced environmental risks: Geologica Hungarica Serie Geologica, v. 24, p.41-54.
- Berger, B.R., Tingley, J.V., and Drew, L.J., 2003, Structural localization and origin of compartmentalized fluid flow, Comstock Lode, Virginia City, Nevada: Economic Geology, v. 98, no. 2, 409-424.
- Berger, V.I., Theodore, T.G., Tosdal, R.M., and Oscarson, R.L., 2000, Implications of celsian in the Ruby Mountains, Elko County, Nevada, in Cluer, J. K., Price, J.G., Struhsacker, E. M., Hardiman, R.F., and Morris, C.L., eds., Geology and Ore Deposits 2000—the Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings, v. 1, p. 325-347.
- Bezy, J.V., Gutmann, J.T., and Haxel, G.B., 2000, Field guide to the geology of Organ Pipe Cactus National Monument, Arizona and Pinacate Biosphere Reserve, Sonora: Arizona Geological Survey Down-to-Earth Series, v. 9, 63 p.
- Blakely, R.J., Schruben, P.G., and Moring, B.C., 1996, Shallow magnetic lithologies as interpreted from low-altitude aeromagnetic data, in Singer, D.A., ed., An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 95-689, Chapter 3.
<http://www.nbmge.unr.edu/dox/ofr962/>
- Bliss, J.D., 1998, Aggregate modeling and assessment, in Bobrowsky, P.T., ed., Aggregate Resources—a global perspective: Rotterdam, A.A. Balkema Publishers, p. 255-274.
- Bliss, J.D., 1999, Quantitative models for aggregate; some types and examples from Oklahoma carbonate rocks, in Johnson, K.S., ed., Proceedings of the Forum on the Geology of Industrial Minerals, 34th, 1998: Oklahoma Geological Survey Circular 102, p. 37-45.
- Bliss, J.D., and Bolm, K.S., 2001, Statistical analysis of sand and gravel aggregate deposits of Late Pleistocene Lake Bonneville, Utah, in Bon, R.L., Riordan, R.F., and Krukowski, S.T., eds., Proceedings of the Forum on the Geology of Industrial Minerals—the Intermountain West Forum 1999, 35th: Utah Geological Survey Miscellaneous Publication 01-2, p. 195-214.
- Bliss, J.D., and Singer, D.A., 2001, Can probabilistic neural networks be used to successfully classify carbonate aggregate? [abs.]: Forum on Geology of Industrial Minerals, 37th, Program and extend abstracts, p 169-170.

- Bliss, J.D., Langer, W.H., and Foley, N.K., 2002, Map showing United States Geological Survey research in industrial minerals [abs.]: 38th Forum on the Geology of Industrial Minerals, St. Louis, Miss., Apr. 28-May 3, 2002, p. 13-14.
- Bliss, J.D., Moyle, P.R., and Bolm, K.S., 2003, Statistical, economic and other tools for aggregate: *Bulletin of Engineering Geology and the Environment*, v. 62, no. 1, p. 71-75.
- Bliss, J.D., Stanley, M.C., and Long, K.R., 2002, Role of megaquarries in future aggregate supply: Annual Highway Geology Symposium, 53rd, San Luis Obispo, Calif., Aug. 13-16, p. 303-315. [[publisher?](#)]
- Blodgett, R.B., Moore, T.E., and Gray, F., 2002, Stratigraphy and paleontology of Lower Permian rocks north of Cananea, northern Sonora, Mexico: *Journal of South American Geology*, v. 15, no. 4, p. 481-495.
- Blodgett, Robert B., Moore, Thomas, E., Gray, Floyd, and Walker, Bruce, 1998, Stratigraphy and paleontology of Lower Permian rocks near Rancho La Cueva, Santa Cruz Sheet, Northern Sonora, Mexico [abs.]: *Geological Society of America Abstracts with Programs*, v. 30, no. 5, p. 6.
- Boleneus, D.E., 2002, Stratigraphic control of copper-silver deposits in Revett Formation, Idaho and Montana [abs.]: Northwest Mining Association' Annual Meeting, Exposition and Short Course, 108th.
- Boleneus, D.E., 1994, Guidelines for surface geochemical surveying: *Oil and Gas Journal*, Tulsa, Oklahoma, v. 92, no. 23, p. 59-64.
- Boleneus, D.E. and Applegate, L.M., 2001, Analysis of digital geologic and mineral resource data of the Revett Formation in the western Montana copper belt, Idaho and Montana: *Northwest Geology*, v. 30, p. 4-6.
- Boleneus, D.E., and Applegate, L.M., 2000, Stratigraphic, mineralogic, and copper-silver mineral occurrence data for the Revett Formation, Idaho and Montana [abs.]: *Geological Society of America Abstract for Programs*, v. 32, no. 5, p. 3.
- Boleneus, D.E. and Derkey, R.F., 1996, Geohydrology of Peone Prairie, Spokane County, Washington: *Washington Geology*, v. 24, no. 1, p. 30-39.
- Boleneus, D.E., Raines, G.L., Causey, J.D., Bookstrom, A.A., Frost, T.P., Hyndman, P.C., 1998, Mineral activity classification system based on mineral deposit models and historic mining claim activity using weights-of-evidence in a GIS—an example using epithermal gold deposits, northeast Washington: Northwest Mining Association' Annual Meeting, Exposition and Short Course, 108th.
- Bolm, K.S., Frank, D.G., and Schneider, J.L., 2000, Three archives of the U.S. Geological Survey's Western Mineral Resources Team, *in* Heiser, Lois, ed., Communication Divides—perspectives on Supporting Information Bridges in the Geosciences, Proceedings of the Geoscience Information Society, 34th, October 25-28 1999, Denver, Colo., p. 65-67.
- Bolm, K.S., Frank, D.G., and Schneider, J.L., 1999, Three archives of the U.S. Geological Survey's Western Mineral Resources Team [abs.]: *Geological Society of America Abstracts with Programs*, v. 31, no. 7, p. 163.
- Bonham-Carter, G.F., Ming, and Raines, G.L., 2002, GeoDas—an Arcview extension for the analysis of geochemical data: York University web publication
<http://www.gisworld.org/geodas/>

- Boucot, A.J., and Blodgett, R.B., and Stewart, J.H., 1997, European Province Late Silurian brachiopods from the Ciudad Victoria area, Tamaulipas, northeast Mexico, *in* Klapper, G., Murphy, M.A., and Talent, J.A., eds., Paleozoic sequence stratigraphy, biostratigraphy, and biogeography: Geological Society of America Special Paper 321, Studies in honor of J. Granville ("Jess") Johnson, p. 273-293.
- Box, S., Bookstrom, A., Balistrieri, L., and Ikramuddin, M., 1997, Sources and processes of dissolved metal loading, Coeur d'Alene River, Idaho [abs.]: Inland Northwest Water Resources Conference, Spokane, Wash.
- Box, S.E., Bookstrom, A.A., Balistrieri, L.S., and Long, K.R., 2001, Dispersal of metals in surface environments in and downstream of the Coeur d'Alene mining district, Idaho [abs.]: Proceedings, Tobacco Root Geological Society Field Conference.
- Brady, L.M., 2001, Twin Cities of Nogales—a border-shed analysis in GIS: Proceedings of the Arizona Hydrological Society Symposium, September 12-15, 2001, Tucson, Ariz.
- Brady, L.M., Gray, Floyd, Castaneda, Mario, and Bolm, Karen, 2001, Critical U.S.–Mexico Borderland Watershed Analysis: Proceedings Annual ESRI International User Conference, 21st, July 8-13, San Diego, California.
- Brady, L.M., Gray, Floyd, Wissler, Craig, Guertin, D.P., 2000, GIS analysis of spatial variability of contaminated watershed components in a historically mined region, Arizona: Proceedings ESRI International User Conference, 20th, June 8-13, San Diego, Calif.
- Brady, Laura Margaret, 2000, GIS analysis of spatial variability of contaminated watershed components in a historically mined region, basin and range province, Southeast Arizona: Tucson, University of Arizona, Master thesis, 127 p.
- Brown, G.E., Jr., Kim, C.S., Shaw, S., Lowry, G.V., Rytuba, J.J., Gustin, M.S., 2001, Processes Controlling the Chemical/Isotopic Speciation and Distribution of Mercury from Contaminated Mine Sites [abs.], *in*: Workshop on the fate, transport, and transformation of mercury in aquatic and terrestrial environments, U.S. EPA Office of Research and Development, 1:22.
- Brueseke, M.E., Hart, W.K., Wallace, A.R., Heizer, M.T., and Fleck, R.J., 2003, Mid-Miocene volcanic field development in northern Nevada—New age constraints on the timing of Santa Rosa-Calico volcanism [abs.]: Geological Society of America Abstracts with Programs, v. 35, no. 4, p. 63.
- Bultman, M.W., Fisher, F.S., and Pappagianis, Demosthenes [in press] An overview of the ecology of soil-borne human pathogens *in* Medical Geology—Earth Science in Support of Public Health Protection, New York, Academic Press.
- Bultman, M.W., Fisher, F.S., and Gettings, M.E., 2000, Modelling the occurrence of *Coccidioides immitis* with a spatial fuzzy system: Proceedings of the Modelling Complex Systems Conference, Montreal, Quebec, Canada, July 31-August 2, 2000.
- Caleix, C., Davidoff, R.L., Boleneus, D.E., Goode, J., Tauchid, M., and Nicolet, J.-P., 1996, Steps in preparing uranium production feasibility studies—a guidebook: International Atomic Energy Agency, Nuclear Fuel Cycle and Materials Section, Wagrammerstrasse 5, P.O. Box 100, A-1400, Vienna, Austria, IAEA-TECDOC-885, 131 p.

- Castor, S.B., Boden, D.R., Henry, C.D., Cline, J.S., Hofstra, A.H., McIntosh, W.C., Tosdal, R.M., and Wooden, J.L., 2003, The Tuscarora Au-Ag district—Eocene, volcanic-hosted epithermal deposits in the Carlin gold region, Nevada: *Economic Geology*, v. 98, no. 2, 339-366.
- Causey, J. D., Zientek, M.L., Bookstrom, A.A., Frost, T.P., Boleneus, D.E., Van Gosen, B.S., Wilson, A.B. and Evans, K.V., 2002, Digital Geologic Map Data Model v. 4.3 Implementation, USGS Headwaters Project Area, Northern Rocky Mountains of Idaho, Western Montana, and Eastern Washington: Tobacco Root Geological Society Northwest Geology, Annual Meeting, 27th, v. 31, p. 85.
- Chavez, P., MacKinnon, D., Clow, G., Tigges, R., Urban, F., Fulton, R., Reheis, M., Miller, D., Bultman, M., and Reynolds, R., 2002, Monitoring dust emission in the southwest U.S.—interannual differences related to climatic variability [abs.]: *Geological Society of America Abstracts with Programs*, v. 34, no. 6, p. 246.
- Cheong, Sangwon, Peters, S.G., and Iriondo, Alexander, 2000, Summary of structural setting and fluid characteristics of metamorphic gold-quartz veins in northwest Nevada, *in* Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., *Geology and Ore Deposits 2000—the Great Basin and Beyond*: Geological Society of Nevada Symposium Proceedings, v. 1, p. 473-506.
- Cline, J.S. and Hofstra, A.H., 2000, Ore fluid evolution at the Getchell Carlin-type gold deposit: *European Journal of Mineralogy*, v. 12, no. 1, p. 195-212.
- Cline, J.S., Hofstra, A., Landis, G., Rye, R., 1997, Ore fluids at the Getchell, Carlin-type gold deposit, North-central Nevada, *in* Vikre, P., Thompson, T.B., Bottles, K., Christensen, O., and Parratt, R. eds., *Carlin-Type Gold Deposits Field Conference*, SEG Guidebook Series, v. 28, p. 155-166.
- Connors, K.A., Noble, D.C., Brake, S.S., Thomas, W.D., and Fleck, R.J., 1999, Gold and mercury mineralization associated with middle Miocene bimodal volcanism and faulting in the Goldbanks district, Pershing County, Nevada [abs.]: *Eos (American Geophysical Union Transactions)*, v. 80, no. 17, p. 373.
- Coolbaugh, M.F., Gustin, M.S., and Rytuba J.J., 2002, Annual emissions of mercury to the atmosphere from natural sources in Nevada and California: *Environmental Geology*, v. 42, p. 338-349.
- Coolbaugh, M.F., Taranik, J.V., Raines, G.L., Shevenell, L.A., Sawatzky, D.L., Minor, T.B., and Bedell, R., 2002, A geothermal GIS for Nevada: defining regional controls and favourable exploration terrains for extensional geothermal systems: *Geothermal Resources Council Transactions*, v. 26, http://www.unr.edu/geothermal/dcs/grc/GeothermalGIS_GRC02_colorv2.pdf
- Cox, D.P., Berger, B.R., Ludington, Steve, Moring, B.C., Sherlock, M.G., Singer, D.A., and Tingley, J.V., 1996, Delineation of mineral resource assessment tracts and estimation of number of undiscovered deposits in Nevada, *in* Singer, D.A., ed., *An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 96-2, Chapter 12*, p. 12.1-12.25, 3 sheets, scale 1:1,000,000. ftp://ftp.nbmge.unr.edu/NBMG/nbmge_ofr96_2/
- Cox, D.P., Ludington, Steve, Berger, B.R., Moring, B.C., Sherlock, M.G., Singer, D.A., and Tingley, J.V., 1996, Delineation of mineral resource assessment tracts and estimations of number of undiscovered deposits, *in* Singer, D.A., ed., *An analysis*

- of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 95-689, Chapter 12.
<http://www.nbmge.unr.edu/dox/ofr962/>
- Cummings, M.L., Evans, J.G., and Ferns, M.L., 2000, Evolution of the middle Miocene syntectonic Oregon-Idaho graben, southeast Oregon: Geological Society of America Bulletin, v. 112, no. 5, p. 668-682.
- Cunningham, C.G., Austin, G.W., Naeser, C.W., Rye, R.O., Ballantyne, G.H., and Barker, C.E., 2002, Carlin-type gold deposits related to the Bingham Canyon, Utah, porphyry Cu deposit: thermal and isotopic constraints [abs.]: Geological Society of America Abstracts with Programs, v. 34, no. 6, p. 143.
- Cunningham, C.G., Austin, G.W., Naeser, C.W., Rye, R.O., Stamm, R.G., and Barker, C.E., 2000, Thermal history study begins to yield clues about formation of Carlin-type gold deposits in Utah [abs.], in Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., Geology and Ore Deposits 2000—the Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings, v. 2, p. B2.
- Cunningham, C.G., Rasmussen, J.D., Steven, T.A., Rye, R.O., Rowley, P.D., Romberger, S.B., and Silverstone, J., 1998, Hydrothermal uranium deposits containing molybdenum and fluorite in the Marysvale Volcanic Field, west-central Utah: Mineralium Deposita, v. 33, no. 5, p. 477-494.
- Dean, W.E., Gardner, J.V., and Piper, D.Z., 1997, Inorganic geochemical indicators of glacial-interglacial changes in productivity and anoxia on the California continental margin: *Geochimica et Cosmochimica Acta*, v. 61, p. 4507-4518.
- Dean, W.E., Jr., Piper, D.Z., and Peterson, L., 1999, Mo accumulation in Cariaco Basin sediment over the past 0 to 24,000 years—a record of water-column anoxia and climate: *Geology*, v. 27, no. 6, p. 507-510.
- Diggles, M.F., Rytuba, J.J., Moring, B.C., Wrucke, C.T., Cox, D.P., Ludington, Steve, Ashley, R.P., Pickthorn, W.J., Hillman, C.T., and Miller, R.J., 1996, Geology and mineral issues, in Sierra Nevada Ecosystem Project, Final Report to Congress, vol. II, Assessments and Scientific Basis for Management Options: Davis, Univ. of Calif., Centers for Water and Wildlands Resources Report No. 37, p. 529-556.
- Doebrich, J.L., and Theodore, T.G., 1996, Geologic history of the Battle Mountain Mining District, Nevada, and regional controls on the distribution of mineral systems, in Coyner, A.R., and Fahey, P.L., eds., Geology and ore deposits of the American Cordillera: Geological Society of Nevada Symposium Proceedings, Reno/Sparks, Nevada, April, 1995, v. 1, p. 453-483.
- Doebrich, J.L., and Theodore, T.G., 1996, Geology and ore deposits of the Battle Mountain Mining District—a synopsis, in Doebrich, J.L., Wotruba, P.R., Theodore, T.G., McGibbon, D.H., and Felder, R.P., 1996, Field trip guidebook for Trip H—Geology and ore deposits of the Battle Mountain Mining District, in Green, S.M., and Struhsacker, Eric, eds., Field Trip Guidebook Compendium: Reno, Nevada, Geological Society of Nevada, U.S. Geological Survey, and Sociedad Geologica de Chile, Geology and ore deposits of the American Cordillera, p. 380-388.
- Doebrich, J.L., and Theodore, T.G., 2000, Geology and ore deposits of the Battle Mountain Mining District—a synopsis, in Kennedy, Larry, ed., Field trip

- guidebook: Trip 5-Ore deposits of the Battle Mountain area, Nevada: Reno, Nevada, Geological Society of Nevada Symposium 2000, 30 p. [Reprinted from report no. 115].
- Doebrich, J.L., Wotruba, P.R., Theodore, T.G., McGibbon, D.H., and Felder, R.P., 1996, Field trip guidebook for Trip H—Geology and ore deposits of the Battle Mountain Mining District, *in* Green, S.M., and Struhsacker, Eric, eds., Field Trip Guidebook Compendium: Reno, Nevada, Geological Society of Nevada, U.S. Geological Survey, and Sociedad Geologica de Chile, Geology and ore deposits of the American Cordillera, p. 327-388.
- Dohrenwend, J.C., Jachens, R.C., Moring, B.C., and Schruben, P.C., 1996, Indicators of subsurface basin geometry, *in* Singer, D.A., ed., An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 95-689, Chapter 8. <http://www.nbmge.unr.edu/dox/ofr962/>
- Dohrenwend, J.C., Schell, B.A., Menges, C.M., Moring, B.C., and McKittrick, M.A., 1996, *in* Singer, D.A., ed., An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 95-689, Chapter 10. <http://www.nbmge.unr.edu/dox/ofr962/>
- Drew, L.J., Singer, D.A., Menzie, W.D., and Berger, B.R., 1999, Mineral-resource assessment state of the art, *in* Ódo, L., Korpás, L., McCammon, R.B., and Hofstra, A.H., eds., Deposit modeling and mining induced environmental risks—Carlin gold in Hungary: *Geologica Hungarica Serie Geologica*, v. 24, p. 31-40.
- Dziak, R.O., Fox, C.G., Embley, R.W., Lupton, J.E., Johnson, G.C., Chadwick, W.W., and Koski, R.A., 1996, Detection of and response to a probable volcanogenic T-wave event swarm on the western Blanco transform fault zone: *Geophysical Research Letters*, v. 23, p. 873-876.
- Dziak, R.P., Fox, C.G., Embley, R.W., Nabelek, J.L., Braunmiller, Jochen, and Koski, R.A., 2000, Recent tectonics of the Blanco Ridge, eastern Blanco transform fault zone: *Marine Geophysical Researches*, v. 21, p. 423-450.
- Evans, J., 2000, Structure of Permian Phosphoria Formation in Meade Thrust Plate of Western Phosphate Field [abs.]: Northwest Mining Association' Annual Meeting, Exposition and Short Course, 106th, United States Geological Survey Open Industry Briefing.
- Evans, J.G., Griscom, Andrew, Halvorson, P.F., and Cummings, M.L., [in press], Geological and geophysical evidence of the location of the western margin of the North American craton beneath eastern Oregon: *Idaho Geological Survey Bulletin*. [not listed on Idaho G.S. web site March 13, 2003]
- Faulds, J. E., and Stewart, J.H., editors, 1998, Accommodation zones and transfer zones: The regional segmentation of the Basin and Range Province: Geological Society of America Special Paper 323, p. 47-73.
- Ferdock, G.C., Peters, S.G., Leonardson, R.W., and Larson, L.T., 1996, Alteration geochemistry at the Goldstrike Mine, Eureka County, Nevada [abs.]: Geological Society of America, Abstracts with Programs, v. 28, no. 7, p. 94.
- Fisher, F.S., and Bultman, M.W., 2002, Modeling the saprophytic habitat of *Coccidioides immitis* in Organ Pipe Cactus National Monument, Arizona with a spatial fuzzy system [abs.]: Geological Society of America Abstracts with Programs, v. 34, no. 6, p. 147.

- Force, E.R., 1997, A new mid-Tertiary unit in the Ajo district, southern Arizona, and implications for extensional history: Arizona Geological Society, Guidebook, Spring 1997 field trip, p. 23-35.
- Force, E.R., 1997, Geology and mineral resources of the Santa Catalina Mountains, southeastern Arizona: a cross-sectional approach, *with sections* by Unruh, D.M. and Kamilli, R.J.: Monographs in Mineral Resource Science #1, 135 p.
- Force, E.R., 1996, Titanium deposits and placer deposits, *in* Dasch, E.J., ed. Encyclopedia of Earth Sciences: Macmillan, New York, p. 833-836, p. 1099-1100.
- Force, E. R., and Howell, W. K., 1997, Holocene depositional history and Anasazi occupation in McElmo Canyon, southwestern Colorado: Arizona State Museum Archaeological Series #188, 42 p. and geologic map.
- Force, E.R., Richards, R.P., Scott, K.M., Valentine, P.C., and Fishman, N.S., 1996, Mineral intergrowths replaced by “elbow-twinned” rutile in altered rocks: Canadian Mineralogist, v. 34, no. 3, p. 605-614.
- Foster, A.L. and Ashley, R.P., 2002, Characterization of arsenic species in microbial mats from an inactive gold mine: Geochemistry—Exploration—Environment—Analysis, v. 2, p. 253-261.
- Foster, A.L. Ashley, R.P., and Rytuba J.J., 2000, Direct and in-situ speciation of arsenic in microbial mats using X-ray absorption spectroscopy. Metal Ions in Biology and Medicine, v. 6, p. 62-64.
- Galley, A.G., and Koski, R.A., 1999, Setting and characteristics of ophiolite-hosted volcanogenic massive sulfide deposits: Reviews in Economic Geology, v. 8, p. 221-246.
- Gehrels, G.E., and Stewart, J.H., 1998, Detrital zircon U-Pb geochronology of Cambrian to Triassic miogeoclinal and eugeoclinal strata of Sonora, Mexico: Journal of Geophysical Research, v. 103, no. B2, p. 2471-2487.
- Gehrels, G.E., Stewart, J.H., and Ketner, K.B., 2002, Cordilleran-margin quartzites in Baja California—Implications for tectonic transport: Earth and Planetary Science Letters, v. 199, no. 1-2, p. 201-210.
- Gettings, M., 2001, An objective method of delineating trends in potential field data [abs.]: International Association for Geomagnetism and Aeronomy meeting, August 2001, Hanoi, Vietnam.
- Gettings, M.E., Bultman, M.W., and Fisher, F.S., 2000, Evolution of quantitative mineral resource assessment models in southern Arizona, Proceedings of the modelling complex systems conference, Montreal, Quebec, Canada, July 31-August 2, 2000.
- Glen, J.M.G., and Ponce, D.A., 2000, Large-scale geologic patterns point to the birth of a hotspot in the northwest U.S. [abs.]: Eos (American Geophysical Union Transactions), v. 81, no. 48, p. 1217.
- Glen, J.M.G., Hildenbrand, T.G., and Ludington, S., 2000, Insights on the basement of the Great Basin from an integrated geophysical, geologic and geochemical study [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. 503.
- Goldfarb, R.J., Nokleberg, W.J., and Phillips, G.N., 1996, Tectonic setting of synorogenic gold deposits of the Pacific Rim [abs.]: Conference on mesothermal

- gold deposits—a global overview, Extended Abstracts, University of Western Australia Publication no. 27, p. 22-28.
- Goldfarb, R.J., Phillips, G.N., and Nokleberg, W.J., 1998, Tectonic setting of synorogenic gold deposits of the Pacific Rim: Ore Geology Reviews, v. 13, p. 185-218.
- Gosz, J.R., Asher, J., Holder, B., Knight, R., Naiman, R., Raines, G.L., Stine, P. and Wigley, T.B., 1999, An ecosystem approach to understanding landscape diversity, *in* Johnson, N.C., Malk, A.J., Sexton, W.T., and Szaro, R.C., Ecological stewardship: a common reference for ecosystem management: Elsevier Science, 3 volumes, p. 157-194, CD-ROM.
- Grasse, S.W., Gehrels, G.E., Lehrens, M.M., Schweickert, Stewart, J.H., and Barth, A.P., 1999, U-Pb, Geochronology of detrital zircons from Snow Lake pendant, central Sierra Nevada, California—implications for Late Jurassic-Early Cretaceous dextral strike-slip faulting [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 58.
- Grauch, V.J.S., Rodriguez, B.D., Bankey, V., and Wooden, J.L., [in press 2003], Evidence for a Battle Mountain-Eureka crustal fault zone, north-central Nevada, and its relation to Neoproterozoic-early Paleozoic continental breakup: Journal of Geophysical Research.
- Grauch, R.I., Meeker, G.P., Desborough, G.A., Tysdal, R.G., Herring, J.R., and Moyle, P.R., 1999, Selenium Residence in the Phosphoria Formation: Geological Society of America Abstracts with Programs, v. 31, no. 7, p. 35.
- Grauch, R.I., Meeker, G.P., Herring, J.R., Tysdal, R.G., Desborough, G.A., Johnson, E.A., and Moyle, P.R., 2000, Selenium, phosphate mining, and the environment, Northwest Mining Association's Annual Meeting, 106th, Exposition and Short Courses Technical Sessions and Abstract Booklet, p. 6.
- Grauch, V.J.S., Rodriguez, B.B., and Wooden, J.L., 2000, Crustal structure of north-central Nevada constrained by geophysical and radiogenic isotope data—implications for tectonics and mineral trends [abs.], *in* Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardiman, R. F., and Morris, C. L., eds., Geology and Ore Deposits 2000—the Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings, v. 1, p. A11.
- Grauch, V.J.S., Rodriguez, B.D., and Wooden, J.L., 2003, Geophysical and isotopic constraints on crustal structure related to mineral trends in north-central Nevada and implications for tectonic history: Economic Geology, v. 98, no. 2, 269-286.
- Gray J.E., Crock J.G., and Fey D.L., 2000, Environmental effects of abandoned mercury mines in the Humboldt River basin, Nevada, USA [abs.]: International Conference on Heavy metals in the Environment, 11th, Ann Arbor, Mich., August 6-10, 2000.
- Gray, Floyd, Wirt, Laurie, Caruthers, Kerry, Ailiang, Gus, Lindquist, John, Velez, Carlos, Hirschberg, D.M., Chaffee, Maurice, and Bolm, K.S. [in press] Transport and fate of Zn- and Cu-rich, low pH water from porphyry copper and related deposits, Basin and Range Province, southeastern Arizona, *in* Proceedings of the International Conference on Acid Rock Drainage, 5th, May 21-24, 2000, Denver, Colo., 21 p.

- Gray, Floyd, Wirt, Laurie, Caruthers, Kerry, Bolm, K.S., and Chaffee, M.A., 1998, Source chemistry and characteristics of stream waters having low pH and elevated metal concentrations, Patagonia and Southern Santa Rita mountains, Santa Cruz County, Arizona—implications for impacts into Sonoita Creek and upper Santa Cruz River basins, *in* Gottfried, G.J. and Edminster, C.B., compilers, Cross border waters—fragile treasures for the 21st century: Rocky Mountain Research Station, Fort Collins, Colo., RMRS Proceedings, USDS Forest Service, Report RMRS-P-5, p. 300-301.
- Gray, Floyd, Wynn, J.C., Page, W.R., Mars, Lyle, Miller, R.J., Maldonado, Florian, Norman, Laura, and Felix, Villasenor, 2003, Integration of multispectral imagery with aeromagnetic and geologic map: ESRI Map Gallery contribution.
- Greninger, M.L., Klemperer, S.L., and Nokleberg, W.J., 1996, Geographic Information System (GIS) database of the geology, geophysics, deep-crustal structure, and tectonics of the Russian Far East, Alaska, Canadian Cordillera, and adjacent offshore regions [abs.]: Eos (American Geophysical Union Transactions), v. 77, no. 6, p. 669.
- Greninger, M.L., Klemperer, S.L., and Nokleberg, W.J., 1999, Geographic information systems (GIS) compilation of geophysical, geological, and tectonic data for the Circum-North Pacific region [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 59.
- Greninger, M.L., Klemperer, S.L., and Nokleberg, W.J., 1999, Spatial data compilation of geologic and geophysical data for the Circum-North Pacific region [abs.]: Eos (American Geophysical Union Transactions) v. 80, no. 46, p. 1030.
- Greninger, M.L., Klemperer, S.L., and Nokleberg, W.J., 2002, Geographic information systems (GIS) compilation of geologic and geophysical data for the Bering Shelf-Chukchi Sea and adjacent landmasses, *in* Miller, E.L., Klemperer, S.L., and Grantz Arthur, eds., Tectonic Evolution of the Bering Shelf-Chukchi Sea and Adjacent Landmasses: Geological Society of America Special Paper 360, CD-ROM.
- Gross, E.L., Gehrels, G.E., and Stewart, J.H., 1998, Detrital zircon geochronology of the Neoproterozoic El Alamo Formation in Sonora, Mexico [abs.]: Geological Society of America Abstracts with Programs, v. 30, no. 5, p. 17.
- Gross, E.L., Stewart, J.H., and Gehrels, G.E., 2000, Detrital zircon geochronology of Neoproterozoic to Middle Cambrian miogeoclinal and platformal strata—northwest Sonora, Mexico: Geofisica International, v. 39, p. 295-308.
- Gu, Ailiang, Gray, Floyd, Eastoe, C.J. and Norman, Laura, 2002, Chemical and isotopic composition of groundwater and surface water, with emphasis on sources of sulfate and base flow in Sonoita Creek near the town of Patagonia, Santa Cruz County, Arizona [abs.]: Eos (American Geophysical Union Transactions) v. 83,no. 47, p. 565.
- Gustin, M.S., Coolbaugh, M.F., Engle M., Fitzgerald, B., Lindberg, S., Nacht, D., Rytuba, J.J., Zehner, 2000, Atmospheric mercury Emissions from Mine wastes: US EPA Office of Research and Development, Assessing and managing mercury from historic and current mining activities, Proceedings, p. 119-124.
- Gustin, M.S., Coolbaugh, M.F., Engle, M., Fitzgerald, B., Lindberg, S., Nacht, D., Rytuba, J.J., Zehner, R., 2001, Putting into perspective mercury emissions from

- geologic sources [abs.], *in* Workshop on the fate, transport, and transformation of mercury in aquatic and terrestrial environments: U.S. EPA Office of Research and Development, 1:11.
- Hack, Dan, and Bliss, J.D. 2003, Utilization of sand and gravel models on a regional to local scale as a tool in exploration and development [abs.]: 2003 Society for Mining Metallurgy and Exploration, Annual Meeting and Exhibit, February 24-26, 2003, Cincinnati, Ohio, p. 36.
- Hardyman, R.F., Ekren, E.B., and John, D.A., 2000, Evidence for Cenozoic dextral displacement across the walker Lane, west central Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. 101.
- Haxel G.B., Jacobson, C.E., Richard, S.M., Tosdal, R.M., and Grubensky, M.J., 2002, The Orocopia Schist in southwest Arizona—Early Tertiary oceanic rocks trapped or transported far inland, *in* Barth, A., ed., Contributions to crustal evolution of the southwestern United States: Geological Society of America Special Paper 365, p. 99-128.
- Haxel, G.B., 2001, Solar system abundances of the chemical elements, *in* Hancock, P., ed., Oxford Companion to the Earth: Oxford University Press, p. 993-994.
- Haxel, G.B., 2002, Geochemistry, mineralogy, and resource geology of the rare earth elements, *in* Haxel, G.B., and Kingstone, M.J., eds., Rare earth element resources: a basis for high technology: University of Arizona Center for Mineral Resources Monograph 4. [page number]
- Hein, J.R., Koski, R.A., Embley, R.W., Reid, Jane, and Chang, S-W., 1999, Diffuse-flow hydrothermal field in an oceanic fracture zone setting, northeast Pacific—deposit composition: Exploration and Mining Geology, v. 8, p. 299-322.
- Hein, J.R., McIntyre, B., Perkins, R.B., Piper, D.Z., and Evans, J., 2003, [in press] Composition of the Rex Chert with emphasize on environmentally sensitive elements, *in* Hein, J.R., Life cycle of the Phosphoria Formation—from deposition to post-mining environment: Plenum Press, New York.
- Hildenbrand, T.G., Berger, B., Jachens, R.C., and Ludington, S.D., 2001, Utility of magnetic and gravity data in evaluating regional controls on mineralization—examples from the Western Uniteds States: Reviews in Economic Geology, v. 14, p. 75-109.
- Hildenbrand, T.G., Berger, Byron, Jachens, R.C., and Ludington, S.D., 2000, Regional crustal structures and their relation to the distribution of ore deposits in western U.S.A based on magnetic and gravity data: Economic Geology and the Bulletin of the Society of Economic Geologists, v. 95, p. 1583-1603.
- Hildenbrand, T.G., Berger, Byron, Jachens, Robert C., and Ludington, Steve, 1999, Regional magnetic and gravity structures and their relation to ore deposit distributions in Nevada, Geology and Ore Deposits 2000—the Great Basin and Beyond [abs.]: *in* Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., Geology and Ore Deposits 2000—the Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings, v. 1, p. A8
- Hines, M.E., Bailey, E.A., Gray, J.E., and Rytuba, J.J., 1999, Transformations of Mercury in Soils near Mercury Contaminated Sites in the USA: International Conference Mercury as a Global Pollutant, 5th, Program with Abstracts, p.113.

- Hines, M.E., Horvat, M., Faganeli, J., Bonzongo, J-C.J., Barkay, T., Major, E.B., Scott, K., Bailey, E.A., Warwick, J.J., and Lyons, W.B., 1999, Mercury biogeochemistry in the Idrija River, Slovenia, from above the mine into the Gulf of Trieste: Book of Abstracts, International Conference on Mercury as a Global Pollutant, 5th, May 23-28, 1999, Rio de Janeiro, Brazil, p. 194.
- Hofstra, A.H., John, D.A., and Theodore, T.G., 2003, Preface, *in* A Special Issue devoted to gold deposits in northern Nevada: Economic Geology, v. 98, no. 6, p. 1063-1067.
- House, P.K., Ramelli, A.R., and Wrucke, C.T., 2001, Geologic map of the Battle Mountain quadrangle, Lander County, Nevada: Nevada Bureau of Mines and Geology Map 130, scale, 1:24,000.
- House, P.K., Ramelli, A.R., and Wrucke, C.T., 1998, Geologic map of the Battle Mountain quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 98-EE.
- House, P.K., Ramelli, A.R., Wrucke, C.T., and John, D.A., 2000, Geologic map of the Argenta Quadrangle, Lander County, Nevada: Nevada Bureau of Mines and Geology, Open-File Report 00-07, scale 1:24,000.
- Howard, K.A., 2003, Crustal structure in the Elko-Carlin region, Nevada during Eocene gold mineralization—Ruby-East Humbolt metamorphic core complex as a guide to the deep crust: Economic Geology, v. 98, no. 2, 249-268.
- Howard, K.A., and MacCready, T., 2001 [in press], Geologic map of the Verdi Peak quadrangle, Nevada: Nevada Bureau of Mines and Geology Map [xxx not listed on NVBG website March 6, 2003]
- Hu, R.Z., Su, W.C., Tu, G.Z., and Hofstra, A.H., 2002, Geology and Geochemistry of Carlin-type Gold Deposits in China: Mineralium Deposita, v. 37, p. 378-392.
- Isaacs, C.M., Baumgartner, T.R., Tennyson, M.E., Piper, D.Z., and Ingle, J.C., Jr., 1996, A prograding margin model for the Monterey Formation, California: American Association Petroleum Geologists, Annual Meeting, May 19-22, 1996.
- Isaacs, C.M., Piper, D.Z., and Keller, M.A., 1996, Organic-carbon-rich rocks—fast or slow accumulation rates: American Association Petroleum Geologists and Society of Economic Paleontologists and Mineralogists, Annual Meeting, v. 5, p. 69.
- Ivosevic, S.W., and Theodore, T.G., 1996, Weakly developed porphyry system at upper Paiute Canyon, Battle Mountain Mining District, Nevada, *in* Coyner, A.R., and Fahey, P.L., eds., Geology and ore deposits of the American Cordillera: Geological Society of Nevada Symposium Proceedings, Reno/Sparks, Nevada, April, 1995, v. 3, p. 1,573-1,594.
- Jachens, R.C., Moring, B.C., and Schruben, P.G., 1996, Thickness of Cenozoic deposits and the isostatic residual gravity over basement, *in* Singer, D.A., ed., An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 95-689, Chapter 2,
<http://www.nbmge.unr.edu/dox/ofr962/>
- Jacobson, C.E., Grove, M., Stamp, M.M., Vucic, A., Oyarzabal, F.R., Haxel, G.B., Tosdal, R.M., and Sherrod, D.R., 2002, Exhumation history of the Orocopia Schist and related rocks in the Gavilan Hills area of southeasternmost California,

- in Barth, A., ed., Contributions to crustal evolution of the southwestern United States: Geological Society of America Special Paper 365, p. 129-154.
- Jacobson, C.E., Oyarzabal, F.R., and Haxel, G.B., 1996, Subduction and exhumation of the Pelona-Orocopia-Rand Schists, southern California: *Geology*, v. 24, no. 6, p. 547-550.
- Jaramillo, Nieves, Lorna, G., and Gray, Floyd, 2003, Remote sensing evaluatin of element dispersion characteristics of porphyry copper deposits in the Silver Bell Mountains, Arizona [abs.]: Geological Society of America Abstracts with Programs, v. 35, no. 4, p. 60.
- John, D.A., Hofstra, A.H., Fleck, R.J., Brummer, J.E., and Saderholm, E.C., 2003, Geologic setting and genesis of the Mule Canyon low-sulfidatn epithermal gold-silver deposit, north-central Nevada: *Economic Geology*, v. 98, no. 2, 425-463.
- John, D.A., 2001, Miocene and early Pliocene epithermal gold-silver deposits in the northern Great Basin, western USA—characteristics, distribution, and relationship to magmatism: *Economic Geology*, v. 96, no. 8, p. 1827-1853.
- John, D.A., 2001, The relationship of magmatic oxidation state to characteristics of Miocene low-sulfidation Au-Ag deposits, northern Great Basin [abs.]: Society of Mining Engineers Annual Meeting and Exhibit, p. 36.
- John, D.A., 2000, The northern Nevada rift in the northern Shoshone Range area, including Mule Canyon, Beowawe, and Argenta Rim: Geological Society of Nevada Symposium 2000 Field Trip Guidebook no. 8, p. 65-81.
- John, D.A., 2000, The northern Nevada rift in the southwestern Sheep Creek Range: Geological Society of Nevada Symposium 2000 Field Trip Guidebook no. 8, p. 85-91.
- John, D.A., 2000, Tilted middle Tertiary ash-flow calderas and subjacent granitic plutons: Geological Society of Nevada Symposium 2000 Field Trip Guidebook no. 3, 100 p.
- John, D.A., 2000, Magmas and Miocene low-sulfidation Au-Ag deposits in the northern Great Basin [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. 250.
- John, D.A., 1999, Magmatic influence on characteristics of Miocene low-sulfidation Au-Ag deposits in the northern Great Basin [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 7, p. 405.
- John, D.A., 1999, Road log from Interstate Highway 80 in Battle Mountain to the Mule Canyon Mine: Geological Society of Nevada Special Publication 29, p. 183-187.
- John, D.A., 1997, Day one, field trip guide to mid-Tertiary igneous rocks and mineral deposits in the central Wasatch Mountains, *in* John, D.A., and Ballantyne, G.H., eds., *Geology and ore deposits of the Oquirrh and central Wasatch Mountains, Utah*: Society of Economic Geologists Field Guidebook Series no. 29, p. 81-90.
- John, D.A., 1997, Geologic setting and characteristics of mineral deposits in the central Wasatch Mountains, Utah, *in* John, D.A., and Ballantyne, G.H., eds., *Geology and ore deposits of the Oquirrh and central Wasatch Mountains, Utah*: Society of Economic Geologists Field Guidebook Series no. 29, p. 15-45.
- John, D.A., 1997, Geologic setting of mid-Tertiary mineral deposits in the central Wasatch Mountains, Utah [abs.]: Geological Society of America Abstracts with Programs, v. 29, no. 7, p. 281-282.

- John, D.A., Brummer, J.E., Saderholm, E.C., and Fleck, R.J., 2000, Geology of the Mule Canyon gold-silver deposit, Lander County, Nevada: Geological Society of Nevada 2000 Symposium Field Trip Guidebook 8, p. 119-134.
- John, D.A., Garside, L. J., and Wallace, A.R., 1999, Magmatic and tectonic setting of late Cenozoic epithermal gold-silver deposits in northern Nevada, with an emphasis on the Pah Rah and Virginia Ranges and the northern Nevada rift: Geological Society of Nevada Special Publication 29, p. 65-158.
- John, D.A., and Hofstra, A.H., 2002, Hydrothermal alteration and stable isotope constraints on formation of Mule Canyon low-sulfidation Au-Ag deposit, north-central Nevada [abs.], Geological Society of America Abstracts with Programs, v. 34, no. 5, p. 15.
- John, D.A., Hofstra, A.H., and Theodore, T.G., 2003, Preface to special issues devoted to gold deposits in northern Nevada—Part 1, regional studies and epithermal deposits: *Economic Geology*, v. 98, no. 2, 225-234.
- John, D.A., Saderholm, E.C., Brummer, J.E., Fleck, R.J., and Brake, S.S., 1999, Geologic setting of the Mule Canyon Au-Ag deposit, northern Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 66.
- John, D.A., Saderholm, E.C., Brummer, J.E., Fleck, R.J., and Brake, S.S., 1999, Geologic setting of the Mule Canyon Au-Ag deposit, northern Lander County, Nevada [abs.]: Geological Society of Nevada Newsletter, v. 13, no. 4, p. 3-4.
- John, D.A., Turrin, B.D., and Miller, R.J., 1997, New K-Ar and 40Ar/39Ar ages of plutonism, hydrothermal alteration, and mineralization in the central Wasatch Mountains, Utah, in John, D.A., and Ballantyne, G.H., eds., *Geology and ore deposits of the Oquirrh and central Wasatch Mountains, Utah*: Society of Economic Geologists Field Guidebook Series no. 29, p. 65-79.
- John, D.A., and Wallace, A.R., 2000, Epithermal gold-silver deposits related to the northern Nevada Rift, in Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., *Geology and Ore Deposits 2000—the Great Basin and Beyond*: Geological Society of Nevada Symposium Proceedings, v. 1, p. 155-175.
- John, D.A., Wallace, A.R., and Fleck, R.J., 2001, Petrologic and geochronologic constraints on the origin of the northern Nevada rift [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 1020.
- John, D.A., Wallace, A.R., and Hofstra, A.H., 2002, Middle Miocene epithermal Au-Ag deposits related to continental tholeiitic basalt magmatism, northern Great Basin, western USA [abs.]: Geological Society of America Abstracts with Programs, v. 34, no. 6, p. 185.
- John, D.A., Wallace, A.R., Ponce, D.A., Fleck, R., and Conrad, J.E., 2000, New perspectives on the geology and origin of the northern Nevada rift [abs.]: Geological Society of Nevada, *Geology and Ore Deposits 2000: The Great Basin and Beyond*, Program with Abstracts, p. 57.
- John, D.A., Wallace, A.R., Ponce, D.A., Fleck, R.J., and Conrad, J.E., 2000, New perspectives on the geology and origin of the northern Nevada rift, in Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., *Geology and Ore Deposits 2000—the Great Basin and Beyond*: Geological Society of Nevada Symposium Proceedings, v. 1, p. 127-154.

- John, D.A. and Wrucke, C.T., 2003 [in press], Geologic map of the Mule Canyon quadrangle, Lander County, Nevada: Nevada Bureau of Mines and Geology Map Series, scale 1:24,000. [not listed on NVBG website March 6, 2003]
- Johnson, M., Barbour, J., Green, D., MacCleary, D., Willits, S., Znerold, M., Bliss, J.D., Chaing, S.L., and Toweill, D., 1999, Producing and using resources, *in* Johnson, N.C., Malk, A.J., Szaro, R. C., and Sexton, W.T., eds., Ecosystem Stewardship—a common reference for ecosystem management, v. 1 Key Findings: Oxford, Elsevier Science Ltd., p. 77-84.
- Johnson, R., Boleneus, D., Graham, D., Hughes, C., McHugh, E., Winters, D., 1993, Mineral resource appraisal of Gallatin National Forest, Montana: US Bureau of Mines Mineral Land Assessment Report MLA 19-93, 176 p, 5 app, 41 figs.
- Kamilli, R.J. and Criss, R.E., 1996, Genesis of the Silsilah tin deposit, Kingdom of Saudi Arabia: Economic Geology, v. 91, no. 8, p. 1414-1434.
- Kamilli, R.J. and Ratté, J.C., 1995, Geologic studies of the Mogollon mining district; does a porphyry system lie below?, *in* Pierce, F.W., and Bolm, J.G., eds., Porphyry copper deposits of the American Cordillera: Arizona Geological Society Digest 20, p. 455-463.
- Kamilli, R.J., 1997, Fluid inclusion studies of the Mammoth deposit, Arizona; *in* Geology and mineral resources of the Santa Catalina Mountains, southeastern Arizona by Force, E.R. *with sections by* Unruh, D.M. and Kamili, R.: Monographs in Mineral Resource Science, no. 1, The University of Arizona Press, Tucson, p. 101-106.
- Kamilli, R.J., 1997, The Mogollon Mining District; a pluton-related, Comstock-type epithermal vein system [abs.]: Abstracts with Programs, Geological Society of America Abstracts with Programs, v. 29, no. 6, p. 360.
- Kamilli, R.J., Corrao P.F., Pearthree, P.A., Richard, S.M., Spencer, J.E., Reynolds, S.J., Billingsley, G.H., Domitrovic, A.M., 1997, New geologic highway map of Arizona [abs.]: Abstracts with Programs, Geological Society of America Abstracts with Programs, v. 29, no. 6, p. 305.
- Khanchuk, A.I., Parfenov, L.M., and Nokleberg, W.J., 2001, Geodynamic map of Northeast Asia [abs.], Joint 6th Biennial SGA-SEG Meeting Program with Abstracts, *in* Piestrzynski, Adam., and others, eds., Mineral Deposits at the Beginning of the 21st Century: Proceedings of Joint Sixth Biennial SGA-SEG Meeting, Krakow, Poland, A.A. Balkema Publishers, p. 1117-1120.
- Kemp, L.D., Bonham-Carter, G.F., and Raniles, 2001, Arc-Wolfe—Arcview extension for weights of evidence mapping. <http://ntserv.gis.nrcan.gc.ca/wolfe>
- Kemp, L.D., Bonham-Carter, G.F., Raines, G.L., and Looney, C.G., 2001, Arc-SDM—Arcview extension for spatial data modelling using weights of evidence, logistic regression, fuzzy logic and neural network analysis. <http://ntserv.gis.nrcan.gc.ca/sdm>
- Kim, C.S., Brown, G.E., Jr., and Rytuba, J.J., 1999, Characterization and speciation of mercury-bearing mine wastes using X-Ray absorption spectroscopy (XAS) [abs.]: Book of Abstracts, International Conference on Mercury as a Global Pollutant, 5th, May 23-28, 1999, Rio de Janeiro, Brazil, p. 484.

- Kim, C.S., Brown, G.E. Jr., and Rytuba, J.J., 2000, Characterization and speciation of mercury-bearing mine wastes using X-ray absorption spectroscopy (XAS): *Science of the Total Environment*, v. 261, p.157-168.
- Kim, C.S., Lowry, G.V., Shaw, S., Rytuba J.J., and Brown, G.E. Jr., 2001, Mercury Speciation and Sorption Processes in Mining Environments—origins, influences, and implications [abs.]: *Eos (American Geophysical Union Transactions)*, v. 82, no. 47, p. 51.
- Kim, C.S., Lowry, G.V., Shaw, S., Rytuba J.J., Brown, G.E. Jr., 2001, Speciation of mercury-bearing mine wastes using X-ray absorption fine structure (XAFS) spectroscopy—physical and geochemical effects [abs.], *in Annual V. M. Goldschmidt Conference*, 11th.
- Kim, C.S., Rytuba, J.J., and Brown, G.E. Jr., 1998, Utility of EXAFS in speciation and characterization of mercury-bearing mine wastes: *Journal of Synchrotron Radiation*, v. 6, p. 648-650.
- Kim, C.S., Shaw, S., Lowry, G.V., Rytuba, J.J., Brown, G.E., Jr., 2001, Determining Mercury Speciation in Natural Environmental Systems Using X-ray Absorption Fine Structure (XAFS) Spectroscopy [abs.], *in Workshop on the fate, transport, and transformation of mercury in aquatic and terrestrial environments: U.S. EPA Office of Research and Development*, 1:20.
- Kimbrough, D.L., Smith, D.P., Mahoney, J.B., Moore, T.E., Grove, M., and Ortega-Rivera, A., 2001, Forearc-basin sedimentary response to rapid Late Cretaceous batholith emplacement in the Peninsular Ranges of southern and Baja California: *Geology*, v. 29, no. 6, p. 491-494.
- King, Trude, and Rytuba, J.J., 1999, AVIRIS and field imaging spectroscopy of minerals in the Coast Range mercury mineral belt, California: *Geological Society of America Abstracts with Programs*, v. 31, no. 6, p. 70.
- Klemperer, S.L., Grenninger, M.L., and Nokleberg, W.J., 2002, Geographic information systems compilation of geophysical, geologic, and tectonic data for the Bering Shelf, Chukchi Sea, Arctic margin, and adjacent landmass, *in* Miller, E.L., Grantz, Arthur, and Klemperer, S.L., eds., *Tectonic evolution of the Bering Shelf-Chukchi Sea-Arctic Margin and adjacent landmasses: Geological Society of America, Special Paper 360*, p. 359-374.
- Koski, R.A., Clague, D.A., Rosenbauer, Hostettler, F.D., Kvenvolden, K.A., and Lamothe, P.J., 2002, Hydrothermal tar mounds in Escanaba Trough, southern Gorda Ridge [abs.]: *Eos (American Geophysical Union Transactions)*, v. 83, no. 47, p. 1452.
- Koski, R.A., and Galley, A., 1996, Alteration of mafic rocks along hydrothermal discharge zones in ophiolites and at modern ocean ridges [abs.]: *Geological Society of America Abstracts with Programs*, v. 28, p. 18.
- Koski, R.A., German, C.R., and Hein, J.R., 2002, Fate of hydrothermal products from midocean-ridge hydrothermal systems—near-field to global perspectives, *in* Halbach, P.E., Tunnicliffe, V., and Hein, J.R., eds., *Energy and mass transfer in marine hydrothermal systems: Berlin, Dahlem University Press*, p. 295-313.
- Koski, R.A., and Hein, R.A., 2003 [*in press*] Sea-floor barite deposits at active continental margins: Analogues for stratiform deposits in Nevada? [abs.]: *39th Forum on the Geology of Industrial Minerals*, May, 2003, Reno, NV.

- Koski, R.A., and Törmänen, T.O., 2001, Visible gold in massive sulfides from Escanaba Trough, southern Gorda Ridge [abs.]: 31st Underwater Mining Institute, Meeting Program, 2 p. [where?]
- Kotlyar, B.B., and Ludington, Steve, 1997, Gold in Ukraine: Canadian Geological Society Newsletter, 4 p. [vol. number?]
- Kotlyar, B., and Rytuba, J.J., 2000, Geochemical and mineralogic zoning at the McDermitt Mercury deposit, Nevada [abs.]: Geological Society of America Abstracts with Program, v. 32, no. 7, p. 82.
- Kotlyar, B.B., Theodore, T.G., Singer, D.A., Berger, V.I., Foster, A.L., and Abbott, E.W., 2002, Applied geochemistry of the northern Carlin trend gold deposits, Nevada, USA [abs.]: Geological Society of Mongolia, Program with Abstracts [vol. and page number]
- Kotlyar, B.B., Theodore, T.G., Singer, D.A., Moss, Ken, and Campo, A.M., 1999, Geochemistry of the gold skarn environment at Copper Canyon, Nevada—an update, *in* Cunningham, Ken, ed., Geology and gold mineralization of the Buffalo Valley area, northwestern Battle Mountain trend: Geological Society of Nevada, Special Publication 31, 1999 Fall Field Trip Guidebook, p. 131-165.
- Kotlyar, B.B., Theodore, T.G., Singer, D.A., Moss, Ken, Campo, A.M., and Johnson, S.D., 1997, Implications of 3-D modeling and metal ratios at Fortitude gold skarn, Copper Canyon, Nevada [abs.]: Geological Society of America, Abstracts with Programs, v. 29, no. 6, p. 62.
- Kotlyar, B.B., Theodore, T.G., Singer, D.A., Moss, Ken, Campo, A.M., and Johnson, S.D., 1998, Geochemistry of the gold skarn environment at Copper Canyon, Battle Mountain Mining District, Nevada [abs.]: Geological Association of Canada-Mineralogical Association of Canada, Systematics of mineralized hydrothermal skarns, May, 1998, Quebec City, Abstract Volume 23, p. 96.
- Kotlyar, B.B., Theodore, T.G., Singer, D.A., Moss, Ken, Campo, A.M., and Johnson, S.D., 1998, Geochemistry of the gold skarn environment at Copper Canyon, Nevada, *in* Lentz, D.R., ed., Mineralized intrusion-related skarn systems, Mineralogical Association of Canada Short Course Series, v. 26, p. 415-444.
- Kouda, Ryoichi, and Singer, D.A., 1996, Deposit modeling and advanced GIS for exploration: Abstracts, International Symposium on Mineral Exploration, August 10-11, 1996, Beijing, China, p. 2.
- Kouda, Ryoichi, and Singer, D.A., 1998, A GIS based national image standard as a tool for resource assessment: Abstracts, International Symposium for Mineral Exploration, 5th, August. 20-21, 1998, Brisbane, Australia, p. 6.
- Kouda, Ryoichi, and Singer, D.A., 2000, Architectural study and evaluation of an interoperable database system for resource exploration and assessment [abs.]: Abstracts CD, International Geologic Congress, 31st.
- Kouda, Ryoichi, and Singer, D.A., 1997, World-class mineral deposits and exploration strategy: Proceedings of 1997 Biannual Spring Meeting of Resources and Materials Mining and Materials Processing Institute of Japan (MMIJ) Chiba Institute of Technology, Chiba, Japan, March 25, 1997, p. 3-6. [in Japanese]
- Kouda, Ryoichi, Singer, Donald, and Akiyama, Minoru, 2001, On the possibility of a seamless world geological map based on the global map and operated in GIS;

- Proceedings of International Association for Mathematical Geology Annual Meeting, Cancún, Mexico, September 6-12, 2001, 5 p.
- Kurtz, J.R., Gehrels, G.E., and Stewart, J.H., 1998, Detrital zircons geochronology of the Bolsa Quartzite Cambrian) in Sonora, Mexico [abs.]: Geological Society of America Abstracts with Programs, Cordilleran Section, no. 30, no. 5, p. 49.
- Kuwabara, J.S., Woods, P.F., Berelson, W.M., Balistrieri, L.S., Carter, J.L., Topping, B.R., and Fend, S.V., [\[in press\]](#), Importance of sediment-water interactions in Lake Coeur d'Alene, Idaho—management implications: Environmental Management, 23 text pages, 5 figures, and 1 table. [\[not in v. 29 no. 1-6, v. 30 no. 1-6 \(2002\) and v. 30 no. 1-2 \(2003\) as of March 5, 2003\]](#)
- Lageson, D.R., Peters, S.G., and Lahren, Mary, eds., 2000, Great Basin and Sierra Nevada, Field Guide 2: Geological Society of America, Field Guide Series, 430 p.
- Langer, W.H., Knepper, D.H., Green, G.N., and Bliss, J.D., 1996, An objective system for interpretation of geologic maps in regional assessments of natural aggregate: Phoenix, Ariz., Mar. 11-14, 1996, Society for Mining, Metallurgy, and Exploration, Inc., Annual Meeting, Preprint, 4 p.
- Leavitt, E.D., Goldstrand, P., Schmidt, K., Wallace, A.R., Spell, T., and Arehart, G.B., 2000, Geochronology of the Midas gold-silver deposit and its relationship to volcanism and mineralization along the northern Nevada rift: Geological Society of Nevada Symposium 2000 Field Trip Guidebook no. 8, p. 157-162.
- Leavitt, Ellie, Spell, T.L., Wallace, A.R., Goldstrand, P., and Arehart, G.B., 2003, Volcano-tectonic setting of the Midas epithermal vein deposit, Elko County, Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 35, no. 4, p. 61.
- Lengke, M.F., Tempel, R.N., Stillings, L.L., and Balistrieri, L.S., 2000, Wall rock mineralogy and geochemistry of Dexter Pit Lake, Elko County, Nevada, *in* Proceedings from the International Conference on Acid Rock Drainage, 5th, Society for Mining Metallurgy and Exploration, v. 1, p. 319-325.
- Leonard, C.S., Peters, S.P., and Mihalasky, M.J., 2000, Weights-of-evidence analysis of sedimentary rock-hosted Au deposits, Peoples' Republic of China [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. 86.
- Li, Zhiping, and Peters, S.G., 1996, Geology and Geochemistry of Chinese Sediment Hosted (Carlin-type) Gold Deposits [abs.]: Geological Society of America, Abstracts with Programs, v. 28, no. 7, p. 153.
- Link, Paul, Karl, Geslin, J.K. and Piper, D.Z., 2002, Carboniferous and Permian sedimentation and tectonics in central and eastern Idaho: American Association of Petroleum Geologists Hedberg Conference, July 2002, Vail, Colo. [\[update NOT IN GEOREF AS OF March 5, 2003\]](#)
- Long, K.R., DeYoung, J.H., Jr., and Ludington, S.D., 2000, Significant deposits of gold, silver, copper, lead, and zinc in the United States: Economic Geology and the Bulletin of the Society of Economic Geologists, v. 95, no. 3, p.629-644.
- Lowry, G.V., Kim, C.S., Shaw, S., Rytuba, J.J., Brown, G.E., Jr., 2001, Physical and Chemical Properties of Hg-Bearing Colloids Released from New Idria and Sulfur Bank Mercury Mine Tailings [abs.], *in*: Workshop on the fate, transport, and

- transformation of mercury in aquatic and terrestrial environments, U.S. EPA Office of Research and Development, 1:21.
- Lowry, G.V., Shaw, S., Kim, C.S., Rytuba J.J., and Brown, G.E. Jr., 2001, Colloid-facilitated Hg transport from New Idria and Sulfur Bank Mercury Mine tailings [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 51.
- Ludington, Steve, Cox, D.P., Leonard, K.R., and Moring, B.C., 1996, Cenozoic volcanic geology, *in* Singer, D.A., ed., An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 95-689, Chapter 5. <http://www.nbmge.unr.edu/dox/ofr962/>
- Ludington, S., and John, D., 2002, Magmatic and metallogenic specialization of volcanic rocks related to epithermal gold mineralization, Great Basin, USA [abs], *in* Interaction between mafic and felsic melts in orogenic suites-dynamics of processes, nature of end-members, effects: Pre-field Meeting Workshop, Abstract Volume, Eurogranites 2002, p. 37. <http://www.unipg.it/~petropg/workshop.htm>
- Ludington, S., John, D., and Rytuba, J., 2001, Tertiary precious-metal deposition in time and space in the Great Basin, USA, *in* Piestrzynski, Adam, and others, eds., Mineral deposits at the beginning of the 21st century, Proceedings of the Biennial SGA meeting, v. 6, p. 779-782.
- Ludington, Steve, Folger, Helen, Hildenbrand, T.G., and Kotlyar, Boris, 2000. Arsenic in stream-sediment samples from the Northern Great Basin [abs.]: Geological Society of America Programs with Abstracts, v. 32, no. 7, p. 392.
- Ludington, Steve, McKee, E.H., Cox, D.P., Moring, B.C., and Leonard, K.R., 1996, Pre-Tertiary geology, *in* Singer, D.A., ed., An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 95-689, Chapter 4. <http://www.nbmge.unr.edu/dox/ofr962/>
- Ludington, Steve, Miller, D.M., Fitzgibbon, T.F., Bedford, D.R., Nutt, C.J., and Miller, R.J., 2000, Digital geologic map database development for Nevada, Geology and Ore Deposits 2000—the Great Basin and Beyond [abs.]: *in* Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., Geology and Ore Deposits 2000—the Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings, v. 1, p. A8.
- Ludington, S., John, D., and Rytuba, J., 2001, Tertiary precious-metal deposition in time and space in the Great Basin, USA, *in* Piestrzynski, A., and others, eds., Mineral deposits at the beginning of the 21st century, Procedings of the Joint Sixth Biennial SGA-SEG meeting, Krakow, Poland, Lisse, A.A. Balkema Publishers, p. 779-782.
- Madrid, R.M., and Theodore, T.G., 2002, Book review of "A Passion for Gold—an Autobiography" by Ralph J. Roberts (with Mary Beth Gentry): Economic Geology, **[in press]**.
- McGibbon, D.A., and Theodore, T.G., 2002, Magmatic affiliations for enigmatic gold deposits in the northern Battle Mountain Mining District [abs.]: Geological Society of America Program with Abstracts, v. 34, no. 6, p. 142.
- McHugh, E.L., Boleneus, D.E., Horn, M.E., Benjamin, D., Wetzel, N., and Marshall, R., 1995, Mineral resource appraisal of the Custer National Forest, Montana, North Dakota, and South Dakota, U.S. Bureau of Mines Open-File Report MLA OFR 14-95, 209 p.

- McKee, E.H., and Moring, B.C., 1996, Cenozoic mineral deposits and related rocks, *in* Singer, D.A., ed., An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 95-689, Chapter 6. <http://www.nbmge.unr.edu/dox/ofr962/>
- Medrano, M.D., and Piper, D.Z., 1997, Fe- and Ca-phosphate, Fe-silicate, and Mn-oxide minerals in concretions from the Monterey Formation: *Chemical Geology*, v. 138, no. 1-2, p. 9-23.
- Medrano, M.D., Evans, H., Wenk, R., and Piper, D.Z., 1998, Phosphovanadylite—a new vanadium phosphate mineral with a zeolite-type structure: *American Mineralogist*, v. 83, no. 7-8, p. 889-895.
- Mensing, S.A., Elston, R.G., Raines, G.L., Tausch, R.J., and Nowak, C.L., 2000, A GIS model to predict the location of fossil packrat (*Noetoma*) middens in central Nevada: *Western North American Naturalist*, v. 60, no., 2, p. 111-120.
- Menzie, W.D., Singer, D.A., and DeYoung, Jr., J.D., [in press], Physical resource availability, *in* [XYZ], ed., Scarcity and growth in the new millennium: Resources for the Future Press, Washington, p.
- Mihalasky, M.J., 2001, The northern Nevada geochemical "V-Trend": Proceeding of the Annual Nevada State GIS Conference, 11th, Reno, Nevada, p. 36.
- Mihalasky, J.M., 2000, The northern Nevada geochemical "V-Trend" [abs.]: Geological Society of America Annual Meeting Program with Abstracts, v. 32, no. 7, p. 392.
- Mihalasky, J.M., 1999, Mineral potential modeling of gold and silver mineralization in the Nevada Great Basin—a GIS-based analysis using weights of evidence [Ph.D. dissertation]: University of Ottawa, Ottawa, Ontario, Canada, 360 p.
- Mihalasky, J.M., and Bonham-Carter, G.F., 1999, The spatial relationship between mineral deposits and lithologic diversity in the Nevada Great Basin: International Association for Mathematical Geology, Proceedings, August 6-11, 1999, Trondheim, Norway, 6 p.
- Mihalasky, M.J. and Bonham-Carter, G.F., 2001, The spatial association between metallic mineral sites and lithodiversity in Nevada: *Natural Resources Research*, v. 10, no. 3, p. 209-226.
- Miller, L.D., Bundtzen, T.K., Edwards, A.C., Galey, J., and Goldfarb, R.J., Goryachev, N.A., Nokleberg, W.J., and Strukov, S.F., 2002, Metallogenesis of the Russian Far East [abs.]: *American Association of Petroleum Geologists Bulletin*, v. 86, no. 6, p. 1152.
- Monger, J.W.H., and Nokleberg, W.J., 1999, Northern Cordillera contributions to global geology [abs.]: *Geological Society of America Abstracts with Programs*, v. 31, no. 6, p. A-80.
- Monger, J.W.H., Nokleberg, W.J., Dawson, K.M., Parfenov, L.M., Bundtzen, T.M., and Shpkerman, V.I., 1996, Tectonic settings of Paleozoic through Cretaceous mineral deposits of the Canadian Cordillera and Alaska, with extensions into the Russian Northeast [abs.]: 1996 Canadian Cordilleran Roundup Program with Abstracts, p. 27-28.
- Moore, T.E., 2003, Extensional tectonism and terrane dispersion in the Cordillera—Examples from northern Alaska and Baja California [abs.]: *Geological Society of America Abstracts with Programs*, v. 35, no. 4, p. 24.

- Moore, T.E., and Murchey, B.L., 2003 [in press], Geologic map of the Cedars Quadrangle, Nevada: Nevada Bureau of Mines and Geology Map Series [not listed on NVBG website March 6, 2003]
- Moore, T.E., and Murchey, B.L., 2000, Geologic and biostratigraphic relations between the Antler overlap sequence and Havallah sequence in the Cedars quadrangle, southern Shoshone Range, Nevada, *in* Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., Geology and Ore Deposits 2000—the Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings, v. 1, p. 397-418.
- Moore, T.E., and Murchey, B.L., 1999, Is part of the Havallah Sequence Autochthonous?—evidence from the Cedars Quadrangle, southern Shoshone Range, Nevada [abs.]: Geological Society of Nevada Newsletter, v. 13 , no. 4, p. 4.
- Moore, T.E., and Murchey, B.L., 1999, Permian strata of the Havallah sequence in the overlap assemblage, southern Shoshone Range, Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 4, p. 49.
- Moore, T.E., Murchey, B.L., Blodgett, R.B., and Harris, A.G., 2000, Edna Mountain Formation in the southern Shoshone Range, north-central Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 32, no.7, p. 155.
- Moore, T.E., Murchey, B.L., and Harris, A.G., 1999, Significance of geologic and biostratigraphic relations between the overlap assemblage and Havallah sequence, southern Shoshone Range, Nevada [abs.]: Program with Abstracts for Geology and Ore Deposits 2000, The Great Basin and Beyond symposium, Geological Society of Nevada, Reno, Nevada, p. 64-65.
- Moore, T.E., Murchey, B.L., and Harris, A.G., 1999, Structural and stratigraphic relations between the overlap assemblage and the Havallah sequence, southern Shoshone Range, Nevada: Geological Society of Nevada 2000 Symposium Proceedings, p. 397-418.
- Morgan, L.A., Shanks, W.C. III, Lovalvo, D.A., Johnson, S.Y., Stephenson, W.J., Pierce, K.L., Harlan, S.S., Finn, C.A., Lee, G., Webring, M., Schulze, B., Duhn, J., Sweeney, R., and Balistrieri, L., 2003, Exploration and Discovery in Yellowstone Lake: Results from high-resolution sonar imaging, seismic reflection profiling, and submersible studies: Journal of Volcanology and Geothermal Research, v. 122, no. 3-4, p. 221-242.
- Moring, B.C., and Theodore, T.G., 2002 [in press], Digital cartography, *in* Theodore, T.G., Moring, B.C., Harris, A.G., Armstrong, A.K., and Finney, S.C., 2001, Geologic map of the Beaver Peak quadrangle, Elko County, Nevada: Nevada Bureau of Mines and Geology Map Series [in press, 14 ms. pages plus 1:24,000, Director's approval, 8/23/01 not listed on NVBG website March 6, 2003].
- Moyle, P.M., Jasinski, S.M., Mars, J.C., and project staff, 1999, Geoenvironmental Research And Resource Assessment in the Western U.S. Phosphate Field—current status and preliminary findings: Forum on the geology of Industrial Minerals, Industrial Minerals of the Intermountain West, 35th, Salt Lake City, Utah, May 2-7, 1999. [page number]

- Moyle, P.R., and Piper, D.Z., 2003, Western phosphate field—depositional and economic deposit model, *in* Hein, J.R., Life cycle of the Phosphoria Formation—from deposition to post-mining environment: Plenum Press, New York, [in press].
- Moyle, P.R., and project staff, 1999, Geologic and geoenvironmental studies of the Western Phosphate Field [abs.]: Northwest Mining Association' Annual Meeting, Exposition and Short Course, 105th, United States Geological Survey Open Industry Briefing, p. 4.
- Moyle, P.R., Jasinski, S.M., Herring, J.R., Tysdal, R.G., Desborough, G.A., Grauch, R.I., Meeker, G.P., Evans, J., Johnson, E.A., Wilson, S.A., Piper, D.Z., Orris, G.J., Causey, J.D., Mars, J.C., and Stillings, L.L., 1999, Western Phosphate Field - Geology, Production, and Current Research: Proceedings of the Forum on the Geology of Industrial Minerals, Industrial Minerals of the Intermountain West, 35th, Salt Lake City, Utah, May 2-7, 1999.
- Moyle, P.R., Jasinski, S.M., Herring, J.R., Tysdal, R.G., Grauch, R.I., Meeker, G.P., Evans, J., Johnson, E.A., Wilson, S.A., Piper, D.Z., Orris, G.J., Causey, J.D., Mars, J.C., and Stillings, L.L., 2001, Western Phosphate Field Geology, Production, and Current Research, *in* Bon, R.L., Riordan, R.F., Tripp, B.T., and Kukowski, S.T., editors, Proceedings of the 35th Forum on the Geology of Industrial Minerals - the Intermountain West Forum 1999, Salt Lake City, Utah, May 2-7: Utah Geological Survey Miscellaneous Publication 01-2, p. 139-150.
- Mutschler, F. E., McLemore, V. T., Bookstrom, A. A., and Ludington, S.D., 1998, Rocky Mountain Front alkalic rock-related gold deposits, Canada to Mexico, a review [abs.]: Geological Society of America Abstracts with Programs, v. 30, no. 7, p. 300.
- Naumova, V.V., Khanchuk, A., Patuk, M.I., Krasulia, O.V., Kapitanchuk, M.U., Nokleberg, W.J., and Miller, R.M., 2001, Geographic information systems compilation of mineral resources, metallogenic belts, and geodynamic maps of Northeast Asia [abs.], Joint 6th Biennial SGA-SEG Meeting Program with Abstracts, *in* Piestrzynski, Adam., and others, eds., Mineral Deposits at the Beginning of the 21st Century: Proceedings of Joint Sixth Biennial SGA-SEG Meeting, Krakow, Poland, A.A. Balkema Publishers, p. 1133-1136.
- Naumova, V.V., Khanchuk, A.I., Kapitanchuk, M.Yu., Parfenov, L.M., Nokleberg, W., and Miller, R., 2002, Digital version of geodynamic map of Northeast Asia [abs.], *in* Kuzmin, M.I., and Obolenskiy, A.A., eds., 2002, Conference Abstracts for Scientific Conference on Tectonics and Metallogeny of Northeast and East-Central Asia, September 2002, Institute of Geology, and Institute of Geochemistry, Siberian Branch, Russian Academy of Sciences, Novosibirsk and Irkutsk, p. 60-61 [in English and Russian].
- Naumova, V.V., Nokleberg, W., Khanchuk, A.I., Patuk, M.I., Kapitanchuk, M.Yu., and Miller, R., 2002, GIS for mineral resources, metallogenesis, and tectonics of Northeast Asia [abs.]: International Conference on GIS in Geology, Moscow, 13-15 November 2002, Extended Abstracts. p. 87.
- Nokleberg, W.J., Badarch, G., Bundtzen, T.K., Dawson, K.H., Goryachev, N.A., Hwang, Duk-Hwan, Khanchuk, A.I., Kuzmin, M.I., Monger, J.W.H., Ogasawara, M., Parfenov, L.M., Scotese, C.R., Shpkerman, V.I., and Yan, H., 2003, Mineral resources and metallogenesis of northeast Asia, and dynamic computer model for

- the metallogenesis and tectonics of the circum-North Pacific [abs.]: Nineteenth Annual Cordilleran Exploration Roundup Abstracts, British Columbia & Yukon Chamber of Miners, p. 63.
- Nokleberg, W.J., Bundtzen, T.K., Byalobzhesky, S.G., Eremin, R.A., Goryachev, N.A., Shpikerman, V.I., Sidorov, A.A., Khanchuk, A.I., Ratkin, V.V., Parfenov, L.M., and Rozenblum, I.S., 1997, A tectonic model for genesis of major granitoid-hosted gold metallogenic belts of the Russian Far East and Alaska [abs.]: Conference on Gold Mineralization and Granitoid Magmatism of the North Pacific, Northeast Scientific Research Institute, Russian Academy of Sciences, Magadan, p. 296-300.
- Nokleberg, W.J., Bundtzen, T.K., Byalobzhesky, S.G., Eremin, R.A., Goryachev, N.A., Shpikerman, V.I., Sidorov, A.A., Khanchuk, A.I., Ratkin, V.V., Parfenov, L.M., and Rozenblum, I.S., 1997, A tectonic model for genesis of major granitoid-hosted gold metallogenic belts of the Russian Far East and Alaska [abs.]: Conference on Gold Mineralization and Granitoid Magmatism of the North Pacific, Northeast Scientific Research Institute, Russian Academy of Sciences, Magadan, p. 296-300.
- Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., and Monger, J.W.H., 2000, Phanerozoic metallogenesis of Alaska and the Canadian Cordillera as part of the Circum-North Pacific tectonic regime [abs.]: Geological Society of Nevada Symposium on Geology and Ore Deposits 2000, Program with Abstracts, p. 66.
- Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Monger, J.W.H., 2000, Phanerozoic metallogenesis of Alaska and the Canadian Cordillera as part of the Circum-North Pacific Tectonic regime [abs.]: Geological Society of Nevada Symposium on Geology and Ore Deposits 2000, Program with Abstracts, p. 66.
- Nokleberg, W.J., Bundtzen, T.K., Dawson, K.M., Monger, J.W.H., Khanchuk, A.I., Parfenov, L.M., and Shpikerman, V.I., 2000, Tectonic controls for Phanerozoic metallogenesis of the Russian Far East, Alaska, and the Canadian Cordillera [abs.]: Geological Society of American Programs with Abstracts, v. 32, p. A-59.
- Nokleberg, W.J., Bundtzen, T.K., Goryachev, N.A., Shpikerman, V.I., Khanchuk, A.I., Ratkin, V.V. and Parfenov, L.M., 1999, Metallogenesis of the Russian Far East and Alaska as part of the Circum-North Pacific tectonic regime [abs.]: Prospectors and Developers Association 1999 Annual International Convention and Trade Show Abstracts, p. 4-5.
- Nokleberg, W.J., Bundtzen, T.K., Goryachev, N.A., Shpikerman, V.I., Khanchuk, A.I., Ratkin, V.V., and Parfenov, L.M., 1999, Metallogenesis of the Russian Far East and Alaska as part of the Circum-North Pacific tectonic regime [abs.]: Mongolian Geoscientist, no. 14, p. 89-90.
- Nokleberg, W.J., Bundtzen, T.K., Shpikerman, V.I., Goryachev, N.A., Eremin, R.A., and Sidorov, A.A., 1994, Correlation of metallogenic belts between Russian Northeast and Alaska [abs.]: Symposium on Metallogenesis of fold systems and tectonic sheets, Russian Academy of Sciences, Ekaterinberg, p.45-47, [in Russian].
- Nokleberg, W.J., Dawson, K.M., Monger, J.W.H., Parfenov, L.M., Bundtzen, T.M., and Shpikerman, V.I., 1996, Circum-North Pacific metallogenesis [poster]: 1996 Canadian Cordilleran Roundup Program with Abstracts, p. 33.

- Nokleberg, W.J., Goryachev, N.A., Shpikerman, V.I., Bundtzen, T.K., Khanchuk, A.I., Ratkin, V.V., and Parfenov, L.M., 1998, Metallogenesis and tectonics of major granitoid-hosted gold metallogenic belts in the Russian Far East and Alaska [abs.], *in* Seltman, R., Gonevchuk, G., and Khanchuk, A., eds., Anatomy and textures of ore-bearing granitoids of Sikhote-Alin (Primorye Region, Russia) and related mineralization: International Geological Correlation Programme (IUGS/UNESCO UIGCP Project 373), Far East Geological Institute, Russian Academy of Sciences, and GeoForschungsZentrum Potsdam (GRZ), p. 65-66.
- Nokleberg, W.J., Greninger, M.L., and Klemperer, S.L., 2002, Geographic information systems (GIS) compilation of geophysical, geological, and tectonic data for the Circum-North Pacific region [abs.]: International Conference on GIS in Geology, Moscow, 13-15 November 2002, Extended Abstracts. p. 90.
- Nokleberg, W.J., Khanchuk, A.I., Naumova, V.V., Badarch, Gombosuren, Parfenov, L.M., Miller, R.J., and NE Asia Metallogenesis Team, 1999, Geographic information systems compilation of geodynamic, mineral resource, and geophysical maps being developed for the Northeast Asia metallogenesis project [abs.]: Mongolian Geoscientist, no. 14, p. 52-53.
- Nokleberg, W.J., Kuzmin, M.I., Badarch, G., and Yan, H., 2001, International collaborative project on mineral resources, metallogenesis and tectonics of Northeast Asia [abs.], *in* Piestrzynski, Adam, and others, eds., Mineral Deposits at the Beginning of the 21st Century: Proceedings of Joint Sixth Biennial SGA-SEG Meeting, Krakow, Poland, A.A. Balkema Publishers, p. 1123-1124.
- Nokleberg, W.J., Kuzmin, M.I., Badarch, G., Yan, H., Hwang, D.H., and Ogasawara, M., 2002, International collaborative project on mineral resources, metallogenesis, and tectonics of Northeast Asia [abs.]: International Conference on GIS in Geology, Moscow, 13-15 November 2002, Extended Abstracts. p. 89-90.
- Nokleberg, W.J., Kuzmin, M.I., Parfenov, L.M., Khanchuk, A.I., Shpikerman, V.I., Badarch, Gombosuren, Yan, Hongquan, Hwang, Duk-Hwang, and Ogasawara, Masatsugu, 1998, International cooperative projects on metallogenesis and tectonics of eastern and southern Siberia, Mongolia, Northeastern China, South Korea, Japan, Russian Far East, Alaska, and Canadian Cordillera [abs.], *in* Kuzmin, M.I., Antipin, V.S., Zorina, L.D., Mitrofanov, G.L., and Spiridonov, A.M., eds., Metallogeny, fuel resources, and geodynamics of the North Asian Craton and framing orogenic belts: Russian Academy of Sciences, Irkutsk, p. 64.
- Nokleberg, W.J., Labelle, Gary, Everett, Dave, and West, Tim, 1997, Summary Circum-North Pacific tectonostratigraphic terrane map: GIS – Our Common Language, ESRI Map Book Twelve, p. 12.
- Nokleberg, W.J., Monger, J.W.H., Scotese, C.R., Parfenov, L.M., Khanchuk, A.I., and Stone, D.B., 2003, Tectonic connections across the Circum-North Pacific—Constraints for paleogeography [abs.]: Geological Association of Canada Annual Meeting Program with Abstracts, 1 p.
- Nokleberg, W.J., Parfenov, L.M., and Monger, J.W.H., and Baranov, B.V., Byalobzhesky, S.G., Bundtzen, T.K., Feeney, T.D., Fujita, Kazuya, Gordey, S.P., Grantz, Arthur, Khanchuk, A.I., Natal'in, B.A., Natapov, L.M., Norton, I.O., Patton, W.W., Jr., Plafker, George, Scholl, D.W., Sokolov, S.D., Sosunov, G.M., Stone, D.B., Tabor, R.W., Tsukanov, N.V., and Vallier, T.L., 1997, Summary

- Circum-North Pacific tectono-stratigraphic terrane map: Geological Survey of Canada Open-File 3428, scale 1:10,000,000.
- Nokleberg, W.J., Parfenov, L.M., Monger, J.W.H., Norton, I.O., Khanchuk, A.I., Stone, D.V., Scholl, D.W., and Fujita, K., 1997, Tectonic evolution of the Russian Northeast and Mainland Alaska [abs.]: Eos (American Geophysical Union Transactions), v. 78, no. 46, p. 664.
- Nokleberg, W.J., Parfenov, L.M., Monger, J.W.H., Norton, I.O., Khanchuk, A.I., Stone, D.V., Scholl, D.W., and Fujita, K., 1997, Phanerozoic tectonic evolution of the Circum-North Pacific [abstract and poster.]: Conference on Gold Mineralization and Granitoid Magmatism of the North Pacific, Northeast Scientific Research Institute, Russian Academy of Sciences, Magadan, p. 9.
- Nokleberg, W.J., Parfenov, L.M., Monger, J.W.H., Norton, I.O., Khanchuk, A.I., Stone, D.B., Scholl, D.W., and Fujita, K., 1998, Phanerozoic tectonic evolution of the Circum North Pacific [abs.], in Kuzmin, M.I., Antipin, V.S., Zorina, L.D., Mitrofanov, G.L., and Spiridonov, A.M., eds., Metallogeny, fuel resources, and geodynamics of the North Asian Craton and framing orogenic belts: Russian Academy of Sciences, Irkutsk, p. 65.
- Nokleberg, W.J., Parfenov, L.M., Shpikerman, V.I., Khanchuk, A.I., and Ratkin, V.V., 1996, Collaborative projects of the U.S. Geological Survey and participating agencies on metallogenesis and tectonics of Eastern Siberia, Mongolia, Northeast China, Russian Far East, Alaska, and the Canadian Cordillera: 1996 Northwest Mining Association Annual Meeting Program with Abstracts, p. 41.
- Nokleberg, W.J., Rodionov, S.M., Badarch, G., Yan, H., and Hwang, D., 2001, Mineral resources database for Northeast Asia [abs.]: Joint 6th Biennial SGA-SEG Meeting Program with Abstracts, in Piestrzynski, Adam, and others, eds., Mineral Deposits at the Beginning of the 21st Century: Proceedings of Joint Sixth Biennial SGA-SEG Meeting, Krakow, Poland, A.A. Balkema Publishers, p. 1125-1127.
- Nokleberg, W.J., Rodionov, S.M., Obolenskiy, A.A., Parfenov, L.M., and Khanchuk, A.I., and Bundtzen, T.K., 2002, Methodology of regional metallogenic and tectonic analysis [abs.], in Kuzmin, M.I., and Obolenskiy, A.A., eds., 2002, Conference Abstracts for Scientific Conference on Tectonics and Metallogeny of Northeast and East-Central Asia, September 2002, Institute of Geology, and Institute of Geochemistry, Siberian Branch, Russian Academy of Sciences, Novosibirsk and Irkutsk, p. 14.
- Nokleberg, W.J., Scholl, D.W., Khanchuk, A.I., Monger, J.W.H., K.M., Norton, I.O., Parfenov, L.M., 1999, Late Cretaceous and Cenozoic tectonic evolution of the Circum-North Pacific with emphasis on the Kamchatka Peninsula and adjacent areas [abs.]: Eos (American Geophysical Union Transactions) v. 80, no. 46, p. 946.
- Nokleberg, W.J., Scholl, D.W., Khanchuk, A.I., Monger, J.W.H., Norton, I.O., and Parfenov, L.M., 1999, Late Cretaceous and Cenozoic tectonic evolution of the Northern Pacific [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 83.
- Nokleberg, W.J., Scotese, C.R., Bundtzen, T.K., Parfenov, L.M., Monger, J.W.H., Dawson, K.M., Khanchuk, A.I., Ratkin, V.I., Goryachev, N.A., and Stone, D.B.,

- 2003, Dynamic computer model for metallogenesis and tectonics of the Circum-North Pacific [abs.]: Geological Association of Canada Annual Meeting Program with abstracts, 1 p.
- Nokleberg, W.J., Scotese, C.R., Bundtzen, T.K., Parfenov, L.M., Monger, J.W.H., Dawson, K.M., Khanchuk, A.I., Goryachev, N.A., Shpikerman, V.I., and Norton, I.O., 2002, Dynamic computer model for the metallogenesis and tectonics of the Circum-North Pacific [abs.]: American Association of Petroleum Geologists Bulletin, v. 86, no. 6, p. 1155.
- Nokleberg, W.J., Scotese, C.R., Bundtzen, T.K., Parfenov, L.M., Monger, J.W.H., Dawson, K.M., Khanchuk, Goryachev, N.A., Shpikerman, V.I., Stone, D.B., and Norton, I.O., 2001, Dynamic computer model for metallogenesis and tectonics of the Circum-North Pacific [abs.]: Alaska Miner's Association, Abstracts and Program of 2001 Annual Convention, p. 6-8.
- Nokleberg, W.J., Scotese, C.R., Bundtzen, T.K., Parfenov, L.M., Monger, J.W.H., Dawson, K.M., Khanchuk, Goryachev, N.A., Shpikerman, V.I., Stone, D.B., and Norton, I.O., 2002, Dynamic computer model for metallogenesis and tectonics of the Circum-North Pacific [abs.], in Kuzmin, M.I., and Obolenskiy, A.A., eds., 2002, Conference Abstracts for Scientific Conference on Tectonics and Metallogeny of Northeast and East-Central Asia, September 2002, Institute of Geology, and Institute of Geochemistry, Siberian Branch, Russian Academy of Sciences, Novosibirsk and Irkutsk, p. 23.
- Nokleberg, W.J., Scotese, C.R., Khanchuk, A.I., Monger, J.W.H., K.M., Norton, I.O., Parfenov, L.M., Stone, D.B., 2000, Dynamic computer model for the Phanerozoic tectonic and metallogenic evolution of the Circum-North Pacific [abs.]: Geological Society of American Programs with Abstracts, v. 32, no. 32, p. 59-60.
- Obolenskiy, A.A. Rodionov, S.M., Parfenov, L.M., Kuzmin, M.I., Distanov, E.G., Sotnikov, V.I., Seminskiy, Zh.V., Spiridonov, A.M., Stepanov, V.A., Khanchuk, A.I., Nokleberg, W.J., Tomurtogoo, O., Dejidmaa, G., Hongquan, Y., Fengyue, S., Hwant, D.H., and Ogasawara, M., 2001, Metallogenic belt maps of Northeast Asia [abs.], Joint 6th Biennial SGA-SEG Meeting Program with Abstracts, in Piestrzynski, Adam, and others, eds., Mineral Deposits at the Beginning of the 21st Century: Proceedings of Joint Sixth Biennial SGA-SEG Meeting, Krakow, Poland, A.A. Balkema Publishers, p. 1121-1122.
- Obolenskiy, A.A., Rodionov, S.M., Parfenov, L.M., Kuzmin, M.I., Distanov, E.G., Sotnikov, V.I., Seminskiy, Zh.V., Spiridonov, V.A. Khanchuk, A.I., Nokleberg, W.J., Dejidmaa, G., Yan, H., and Hwang, D.H., Metallogenic belt map of Central and Northeast Asia [abs.], in Kuzmin, M.I., and Obolenskiy, A.A., eds., 2002, Conference Abstracts for Scientific Conference on Tectonics and Metallogeny of Northeast and East-Central Asia, September 2002, Institute of Geology, and Institute of Geochemistry, Siberian Branch, Russian Academy of Sciences, Novosibirsk and Irkutsk, p. 18-29.
- Orris, G.J., 2002, Characterization of the occurrence of REE minerals in alkaline rocks other than carbonatites [abs.]: Forum on the Geology of Industrial Minerals, 38th, April 28 to May 3, St. Louis, Missouri. [page number]
- Oscarson, R.L., and Theodore, T.G., 2000, Mineral chemistry of augite, in Theodore, T.G., ed., 1997, Geology of pluton-related gold mineralization at Battle Mountain,

- Nevada: Tucson, Arizona, University of Arizona and U.S. Geological Survey Center for Mineral Resources, Monograph 2, p. 96–99.
- Oscarson, R.L., and Theodore, T.G., 2000, Mineral chemistry of augite in basaltic andesite, *in* Theodore, T.G., ed., 1997, Geology of pluton-related gold mineralization at Battle Mountain, Nevada: Tucson, Arizona, University of Arizona and U.S. Geological Survey Center for Mineral Resources, Monograph 2, p. 143–148.
- Oyarzabal, F.R., Jacobson, C.E., and Haxel, G.B., 1997, Extensional reactivation of the Chocolate Mountains subduction thrust in the Gavilan Hills of southeastern California: *Tectonics*, v. 16, no. 4, p. 650–661.
- Page, W.R., Gray, Floyd, Blodgett, R.B., Maldonado, Florian, Miller, R.J., and Jamie-Ruiz, Rafael, 2003, Mesozoic-Cenozoic tectonic evolution of the northern Sierra Los Ajos, Sonora, Mexico [abs.]: Geological Society of America Abstracts with Programs, v. 35, no. 4, p. 70.
- Parfenov, L. M., Nokleberg, W.J., Monger, J.W.H., Norton, I.O., Stone, D.B., Fujita, K., Khanchuk, A.I., and Scholl, D.W., 1999, Northern Pacific orogens: a collage of terranes and history of its formation: *Geology and Geophysics*, v. 40, p. 1563–1574, [in Russian].
- Parfenov, L. M., Nokleberg, W.J., Monger, J.W.H., Norton, I.O., Stone, D.B., Fujita, K., Khanchuk, A.I., and Scholl, D.W., 1999, Northern Pacific orogens—a collage of terranes and history of its formation: *Geology and Geophysics*, v. 40, p. 1539–151549, [in English].
- Parfenov, L.M., Khanchuk, A.I., and Nokleberg, W.J., 1998, Principles of compilation and major subdivisions of the legend for the international geodynamics map of Northeast and Central Asia, southern Russian Far East, South Korea, and Japan [abs.], *in* Kuzmin, M.I., Antipin, V.S., Zorina, L.D., Mitrofanov, G.L., and Spiridonov, A.M., eds., Metallogeny, fuel resources, and geodynamics of the North Asian Craton and framing orogenic belts: Russian Academy of Sciences, Irkutsk, p. 7-69, [in English and Russian].
- Parfenov, L.M., Khanchuk, A.I., and Nokleberg, W.J., 1998, Principles of compilation and major subdivisions of the legend for the international geodynamics map of Northeast and Central Asia, southern Russian Far East, South Korea, and Japan: *Geology of the Pacific Ocean*, v. 17, no. 3, p. 3-13, [in Russian].
- Parfenov, L.M., Nokleberg, W.J., and Khanchuk, A.I., 2000, Compilation principles and the main units of the legend for the Geodynamics map of North and Central Asia, Russian Southern Far East, Korea and Japan: *Geology of Pacific Ocean*, v. 15, p. 463–482.
- Paulson, A.J. and Balistrieri, L.S., 1999, Modeling removal of Cd, Cu, Pb, and Zn in acidic groundwater during neutralization by ambient surface waters and groundwaters: *Environmental Science & Technology*, 33, no. 21, p. 3850-3856.
- Perkins, R.B and Piper, D.Z., 2003, Temporal and spatial variations in sediment geochemistry of the Meade Peak Member of the Phosphoria Formation, *in* Hein, J.R., Life cycle of the Phosphoria Formation—from deposition to post-mining environment: Plenum Press, New York [in press].

- Perkins, R.B., and Piper, D.Z., 2001, The Meade Peak Member of the Phosphoria Formation: spatial and temporal variations of the sediment geochemistry: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 38.
- Peters, S.G., 2003, Geologic Map of the Bob's Flat quadrangle, Eureka County, Nevada: Nevada Bureau of Mines and Geology Map 138, 13 p., 1 sheet, scale 1:24,000 [color]
- Peters, S.G., 2001, Use of Structural Geology in the Mining of and Exploration for Sedimentary Rock-Hosted Au Deposits, *in* Shaddrick, D.r., Zbinden, E.A., Methewson, D.C., and Presnn, Camille, eds., Regional tectonics and structural control of ore: the major gold trends of northern Nevada: Geological Society of Nevada Special Publication no. 33, p. 147–182.
- Peters, S.G., 2000, Evidence for the Crescent Valley-Independence lineament, north-central Nevada: Ye Jin Di Zhi Don Tai, (Contributions to Geology and Minerals Resources Research) Tianjin Geological Academy, Tianjin P.R. China, v. 15, n. 59, p.204-215. [in Chinese]
- Peters, S.G., 2000, Update on regional- and district-scale dissolution, deformation and fluid flow in sedimentary rock-hosted gold deposits of northern Nevada, *in* Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., Geology and Ore Deposits 2000—the Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings, v. 2, p. 661-681.
- Peters, S.G., 2000, Regional- and district-scale dissolution, deformation and fluid flow in sedimentary rock-hosted gold deposits of northern Nevada, *in* Cluer, J. K., Price, J. G., Stuhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., Geology and Ore Deposits 2000—the Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings, May 15-18, 2000, p. 661-681.
- Peters, S.G., Armstrong, A.K., Harris, A., Oscarson, R., and Noble, P.J., 2003, Biostratigraphy and structure of Paleozoic host rocks and their relationship to Carlin-type gold deposits in the Jerritt Canyon Mining District, Nevada: Economic Geology, v. 98, no. 2, 317-338.
- Peters, S.G., Ferdock, G.C., Woitsekhowskaya, M.B., Leonardson, Robert, and Rahn, Jerry, 2000, Syndeformational Oreshoot Zoning in the Carlin-type Betze Ore body, Goldstrike Mine, Eureka County, Nevada: Dizhi Zhao Kuang Lan Chong, No.1, 2000, (Contributions to Geology and Mineral Resources), 49 p. [in Chinese]
- Peters, S.G., Leonardson, R.W., Ferdock, G.C., and Lauha, E.A., 1997, Breccia types in the Betze orebody, Goldstrike Mine, Eureka County, Nevada, *in* Vikre, P., Thompson, T.B., Bettles, K., Christensen, O., and Parrat, R., eds., Carlin-type Gold Deposits Field Conference: Economic Geology Field Guidebook Series, v. 28, p. 87-107.
- Peters, S.G., and Theodore, T.G., 1998, Late Paleozoic crustal shortening and Carlin-type Au deposits in Nevada [abs.]: Geological Society of Nevada, Elko Chapter, November Meeting, Announcement with Abstract, 1 p. [Also reprinted in Geological Society of Nevada, 1999, Membership Directory 1998–1999, p. 126-127.]
- Peters, S.G., and Theodore, T.G., 1998, Late Paleozoic crustal shortening and Carlin-type Au deposits in Nevada [abs.]: Geological Society of Nevada, Elko Chapter, November Meeting, Announcement with Abstract, v. ?? 1 p. [vol. number]

- Piper, D.Z., 2002 [in press], Rare-earth elements in the Phosphoria Formation of Permian age-tracers of paleo redox and paleo primary productivity: *Croatica Chimica Acta*, Special Issue Honoring E.D. Goldberg. 45 p.
- Piper, D.Z., 2001, Marine Chemistry of the Permian Phosphoria Formation/Basin in southeast Idaho: *Economic Geology*, v. 96, no. 3, p. 599-620.
- Piper, D.Z., 2000, Bottom-water redox and primary productivity of the Phosphoria Formation—a Phosphorite of Permian age [abs.]: Abstracts International Geological Congress, 31st, v. 31.
- Piper, D.Z., 2000, The rare earth elements as indicator of paleo-primary productivity [abs.]: Abstracts International Geological Congress, 31st, v. 31.
- Piper, D.Z., 1999, Ancient sources and current hosts and reactivities of trace elements in the Phosphoria Formation [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 4, p. 52.
- Piper, D.Z., and Dean, W.E., 2002, Accumulation rates of trace elements in the Cariaco Basin—a 20 ky history of seawater chemistry and global climate [abs.]: *Eos* (American Geophysical Union Transactions), v. 83, no. 47, p. 877.
- Piper, D.Z., and Isaacs, C.M., 1996, A plankton-residue model to explain trace-element enrichments in oil-source rocks [abs.]: American Association Petroleum Geologists Annual Meeting, v. 5, p. 112.
- Piper, D.Z., and Isaacs, C.M., 1996, Instability of bottom-water redox conditions during deposition of Quaternary sediment, Sea of Japan: *Paleoceanography*, v. 11, no. 2, p. 171-190.
- Piper, D.Z., and Isaacs, C.M., 2001, The Monterey Formation-bottom water redox and photic zone primary productivity, *in* Isaacs, C.M., and Rüllcotte, J., eds., *The Monterey Formation—from rocks to molecules*: Columbia University Press, New York, , Chapter II, p. 31-58.
- Piper, D.Z., and Link, P.K., 2002, An upwelling model for the Phosphoria Sea, a Permian ocean-margin sea in the Northwest United States: American Association of Petroleum Geologists v. 86, no. 7, p. 1217-1235.
- Piper, D.Z., and Pekins, R.B., 2003, Dynamics of deposition of black shales—a modern versus Permian deposit: *Chemical Geology*, A symposium on black shales, 35p. (Invited). [Source???](#)
- Piper, D.Z., and Perkins, R.B., 2001, Seawater circulation and chemistry of the Permian Phosphoria Sea—southeast Idaho [abs.]: Geological Society of America Abstracts with Programs, v. 33, no. 6, p. 39.
- Piper, D.Z., and Presser, T.S., 1999, Ancient sources and current hosts and reactivities of trace elements in the Phosphoria Formation [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 4, p. 52.
- Ponce, D.A., 1997, Mapping the Humboldt River basin using gravity and magnetic methods, Winnemucca 1-by 2-deree quadrangle, northern Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 29, no. 6, p. 304.
- Ponce, D.A., and Glen, J.M.G., 2000, Geophysical expression of the northern Nevada rift [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. 462.

- Ponce, D.A., Morin, R.L., and Plouff, Donald, 1999, Bouguer gravity map of the Lovelock quadrangle: Nevada Bureau of Mines and Geology Map 122, scale 1:250,000.
- Presser, T.S., and Piper, D.Z., 1998, Mass balance approach to selenium cycling through the San Joaquin Valley, source to river to bay, *in* Frankenberger, W.T., Jr. and Engberg, R.A., eds., Environmental Chemistry of Selenium: Marcel Dekker Inc., New York, p. 153-182.
- Presser, T.S., Piper, D.Z., Bird, K.J., Skorupa, J.P., Hamilton, S.J., Detwiler, S.J., and Huebner, M.A., 2003, The Phosphoria Formation—a model for forecasting global selenium sources to the environment, *in* Hein, J.R., Life cycle of the Phosphoria Formation—from deposition to post-mining environment: Plenum Press, New York, [in press].
- Raines, G.L., 1997, Data, evidence, and the silver bullet: Exploration 97, Toronto, Sept. 1997, p. 87.
- Raines, G.L., 1999, Evaluation of weights of evidence to predict epithermal-gold deposits in the Great Basin of the western United States: Natural Resources Research, v. 8, no. 4, p. 257-276.
- Raines, G.L., 2002, Description and comparison of geologic maps with FRAGSTATS—a spatial statistics program: Computers & Geosciences, v. 28, p. 169-177.
- Raines, G.L. and Bonham-Carter, G.F., 2000, Weights-of-evidence solutions to spatial modeling problems [abs.]: International Geologic Congress, 31st, v. 31.
- Raines, G.L., Bonham-Carter, G.F., and Kemp, L.D., 2000, Predictive probabilistic modeling using Arcview GIS: Arcuser, April-June, p.45-48.
- Raines, G.L., Brodaric, Boyan, and Schweickert, R.A., 2000, Semantic generalization of geologic maps for environmental studies [abs.]: International Geologic Congress, 31st.
- Raines, G.L. and Looney, C.G., 2000, The influence of training on neural networks versus weights of evidence [abs.]: International Geologic Congress, 31st, v. 31.
- Raines, G.L., and Mihalasky, M.J., 2002, A reconnaissance method for regional-scale mineral-resource assessment, based exclusively on geologic-map data: Natural Resources Research, v. 11, no. 4, p. 241-248.
- Raines, G.L., Schweickert, R.A., and Lahren, M.M., 2000, Identification of anthropogenic input to Lake Tahoe from analysis of the geologic framework of the Tahoe Basin [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. 243-244.
- Raines, G.L., Schweickert, R.A., Lahren, M.M., and Smith, K., 1999, Demonstration of the geologic framework of the Tahoe basin [abs.]: Geological Society of America, Annual Meeting Abstracts with Programs with Abstracts, v. 31, no. 7, p. 177.
- Raines, G.L., Zientek, M.L., Causey, J.D., and Boleneus, D.E., 2002, Preliminary cellular-automata forecast of permit activity from 1998 to 2010, Idaho and western Montana: Natural Resources Research, v. 11, no. 3, p. 167-186.
- Raines, G.L., Zientek, M.L., Causey, J.D., and Boleneus, D.E., 2001, Spatial-temporal analysis - a cellular automata model of mineral-related activity from 1998 to 2010 for Idaho and western Montana: Proceeding Annual Nevada State GIS Conference, 11th, Reno, Nevada, p. 42.

- Raines, G.L., Zientek, M.L., Causey, J.D., and Boleneus, D.E., 2002, Preliminary cellular-automata forecast of permit activity from 1998 to 2010, Idaho and western Montana: Natural Resources Research, v1. 11, no. 3, p. 167-186.
- Ramelli, A.R., House, P.K., Wrucke, C.T., and John, D.A., 2001, Geologic map of the Stony Point Quadrangle, Lander County, Nevada: Nevada Bureau of Mines and Geology Map 131, 1:24,000.
- Ramelli, A.R., House, P.K., Wrucke, C.T., and John, D.A., 1999, Geologic map of the Stony Point quadrangle, Nevada: Nevada Bureau of Mines and Geology Open-File Report 99-A, scale 1:24,000.
- Rodionov, S.M., Nokleberg, W.J., Obolenskiy, A.A., Distanov, E.G., Sotnikov, V.I., Dejidmaa, G., Badarch, G., Yan, H., Ogasawara, M., and Hwang, D.H., 2002, Mineral deposit database for Northeast Asia [abs.], *in* Kuzmin, M.I., and Obolenskiy, A.A., eds., 2002, Conference Abstracts for Scientific Conference on Tectonics and Metallogeny of Northeast and East-Central Asia, September 2002, Institute of Geology, and Institute of Geochemistry, Siberian Branch, Russian Academy of Sciences, Novosibirsk and Irkutsk, p. 57-599, [in English and Russian].
- Rodriguez, B.D., 2000, Deep crustal investigations along the Carlin and Battle Mountain-Eureka Trends, Nevada, using magnetotellurics [abs.]: *in* Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., Geology and Ore Deposits 2000—the Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings, v. 1, p. A13.
- Rodriguez, B. D., 1999, Deep crustal investigations along the Carlin and Battle Mountain-Eureka trends, Nevada, using magnetotellurics [abs.]: Geological Society of Nevada 2000 Symposium Program with Abstracts, p. 71.
- Rodriguez, B. D., 1998, Crustal structure beneath the Carlin trend, Nevada based on deep resistivity measurements [abs.]: Annual International Meeting, Society of Exploration Geophysicists, 68th, workshop on MT in Mining, Sept. 13, 1998, New Orleans, LA.
- Rodriguez, B.D., 1997, Deep regional resistivity structure across the Carlin trend, *in* Vikre, P., Thompson, T.B., Bettles, K., Christensen, O., Parratt, R., eds., Carlin-type gold deposits field conference: Society of Economic Geologist Guidebook Series, v. 28. p. 39-45.
- Rytuba, J.J., 2002, Mercury methylation in pit lakes and potential impact on biota [abs.]: Hardrock mining 2002—Issues shaping the Industry, Environmental Protection Agency Workshop, May 7-9, 2002, Westminster, Colo.
- Rytuba, J.J., 2002, Mercury from mineral deposits and potential environmental impact: Environmental Geology, Mercury special issue. <http://link.springer-ny.com/link/service/journal/00254/contents/02/00629/paper/s00254-002-0629-5ch110.html>
- Rytuba, J. J., 2001, Release and transport of mercury in watersheds impacted by mercury containing mineral deposits [abs.]: International Conference on Mercury as a Global Pollutant, 6th, Abstracts with program, Minamata, Japan, p. 201.
- Rytuba, J. J., 2000, Mercury from Mineral Deposits and Potential Environmental Impact: Geological Society of America Abstracts with Program, v. 32, no. 7, p. 419.
- Rytuba, J.J., 2000, Mercury mine drainage and processes that control its environmental impact: Science of the Total Environment, v. 260, p. 57-71.

- Rytuba, J.J., 2000, Sources of mercury from mineral deposits, *in* Grosse, D., ed., Assessing and Managing mercury from historic and current mining activities: U.S. EPA Office of Research and Development Proceedings November 28-30, 2000, p. 11-16.
- Rytuba, J.J., 2000, Sources of Mercury from Mineral Deposits: US EPA Office of Research and Development, Assessing and managing mercury from historic and current mining activities, Proceedings, p. 11-18.
- Rytuba, J. J., 1999, Mercury and methyl mercury in mine drainages in the California mercury mineral belt, USA [abs.]: International Conference Mercury as a Global Pollutant, 5th, Program with Abstracts, p. 155.
- Rytuba, J. J., 1998, Environmental impacts from mining and ore deposits containing mercury in North America, *in* Curkeet, A. and Ocana, J. eds., Proceedings of the NAFTA Commission for Environmental Cooperation, Partnership/Voluntary Initiatives Workshop for North American Implementation Task Force on Mercury, Mexico City, September 9-11, 1998, p. 42-56
- Rytuba, J.J., 1998, Environmental geochemistry of arsenic in the California Coast Range mercury-gold belt [abs.]: Society of Environmental Geochemistry and Health, Third International Conference on Arsenic Exposure and Health Effects, Program with Abstracts, p. 95.
- Rytuba, J.J., 1998, Environmental impacts from mercury deposits in the California Coast Range mercury belt [abs.]: Pacific Grove, Coastal Advocates, Third Annual Mercury Discussion Group, Program with Abstracts, 2 p.
- Rytuba, J.J., 1997, Environmental geochemistry mercury and methyl mercury in the California Coast Range mercury belt [abs.]: American Association for Advancement of Science, Annual Meeting and Science Innovation Exposition, Program with Abstracts, 2 p.
- Rytuba, J.J., 1996, Cenozoic metallogeny of California, *in* Coyner, A.R., and Fahey, P.L., eds., Geology and Ore Deposits of the American Cordillera: Geological Society of Nevada Symposium Proceedings, Reno/Sparks, Nevada, p. 803-822.
- Rytuba, J.J., Ashley, R.A., Enderlin, D.A. and Seal, R.O., 2000, Evolution of McLaughlin pit lake and environmental geochemistry of mercury and gold deposits in the northern part of the California Coast Range mercury mineral belt: California Division of Mines and Geology Special Publication 119, p. 214-234.
- Rytuba, J.J., Dean Enderlin, D., Roger Ashley, R.P., Robert Seal, R., and Michael P. Hunerlach, M.P., 2000, Evolution of the McLaughlin Gold Mine Pit Lakes, California: Proceedings of the International Conference on Acid Rock Drainage (ICARD 2000), Denver, Colo., p 145-168.
- Rytuba, J.J., and Enderlin, D.A., 1999, Geology and environmental geochemistry of mercury and gold deposits in the northern part of the California Coast Range mercury mineral belt: California Division of Mines and Geology Special Publication 119, p. 214-234.
- Rytuba, J.J., and Kim, C.S., 1999, Geochemical controls on the release and transport of mercury from mercury ores and mine wastes, Coast Range, California [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 90.
- Rytuba, J.J., Kim, C.S., Lowry, G.V., Brown, G.E., Jr., and Shaw, S., 2001, Release and Transport of Mercury in Watersheds Impacted by Mercury Containing Mineral

- Deposits [abs.], *in* Workshop on the fate, transport, and transformation of mercury in aquatic and terrestrial environments: U.S. EPA Office of Research and Development, 1:2657.
- Rytuba, J.J., Miller, W.R., Crock, J.G., and Kim, C.S., 2000, Transport and deposition of mercury from mine drainage and tailings in watersheds with serpentinite bedrock, New Idria, California, *in* Annual International Conference on Heavy Metals in the Environment, 11th, Nriagu, J., ed., Contribution, University of Michigan, School of Public Health, Ann Arbor, Mich., 6 p., CD-ROM.
- Saucedo, G.J., Bedford, D.R., Raines, G.L., Miller, R.J., and Wentworth, C.M., 2000, GIS data for the geologic map of California: California Division of Mines and Geology, DMG CD2000-007.
- Savage, K.S., Bird, D.K., and Ashley, R.P., 2000, Legacy of the California Gold Rush—environmental geochemistry of arsenic in the southern Mother Lode Gold District: International Geology Review, v. 42, no. 5, p. 385-415.
- Savage, K.S., Ashley, R.P., and Bird, D.K., 1999, Seasonal variation in arsenic geochemistry in the Harvard mine pit, Tuolumne Co., California [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 91.
- Scotese, C.R., Nokleberg, W.J., Scholl, D.W., Bundtzen, T.K., Khanchuk, A.I., Monger, J.W.H., Dawson, K.M., Norton, I.O., and Parfenov, L.M., 1999, Computer animation and tectonic reconstructions illustrating the metallogenic development of Circum-North Pacific from the Devonian to the Present [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 93.
- Scotese, C.R., Nokleberg, W.J., Scholl, D.W., Bundtzen, T.K., Khanchuk, A.I., Monger, J.W.H., Dawson, K.M., Norton, I.O., Parfenov, L.M., 1999, Metallogenic and tectonic development of the Circum-North Pacific: A computer animation [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 6, p. 94.
- Scotese, C.R., Nokleberg, W.J., Scholl, D.W., Bundtzen, T.K., Khanchuk, A.I., Monger, J.W.H., Dawson, K.M., Norton, Ian O., Parfenov, L.M., 2000, Metallogenic and tectonic evolution of the Circum-North Pacific [abs.]: Geological Society of Nevada Symposium on Geology and Ore Deposits 2000, Program with Abstracts, p. 72-73.
- Scotese, C.R., Nokleberg, W.J., Scholl, D.W., Khanchuk, A.I., Monger, J.W.H., Dawson, K.M., Norton, I.O., Parfenov, L.M., Stone, D.B., 2000, Interactive demonstration of dynamic computer model for the Phanerozoic tectonic and metallogenic evolution of the Circum-North Pacific [abs.]: Geological Society of American Programs with Abstracts, v. 32, 6, p. 67.
- Shanks, W.C. III, Balistrieri, L.S., Meier, A., and Alt, J., 1998, Geology and geochemistry of hydrothermal vents in Yellowstone Lake [abs.]: The Greater Yellowstone Geo-Ecosystem—an integrated view of geology and biology, Montana State University. [\[SOURCE?\]](#)
- Shanks, W.C., III, Balistrieri, L., Alt, J., Morgan, L.A., Meeker, G., Rye, R.O., and Schwartz, C., 2002, Hydrothermal vents and sublacustrine siliceous spires in Yellowstone Lake [abs.]: Geological Society of America Abstracts with Programs, 34, no. 6, p. 521.
- Shaw, S., Lowry, G.V., Kim, C.S., Rytuba, J.J., and Brown G.E. Jr., 2001, Characterization of Colloidal Nanoparticles Released from Hg-bearing Mine

- Wastes [abs.]: Eos (American Geophysical Union Transactions), v. 82, no. 47, p. 51.
- Shaw, S., Lowry, G.V., Kim, C.S., Rytuba, J.J., Brown G.E.Jr., 2001, The influence of colloidal phases on Hg-transport from mercury mine waste tailings—a laboratory case study of the New Idria and Sulphur Bank mines, California, USA [abs.], *in* Annual V. M. Goldschmidt Conference, 11th, May 20-24, Hot Springs, VA., Lunar and Planetary Institute LPI Contribution no. 1088.
- Shkolnik, E., Piper, D.Z., Zhegallo, E.A., and Medrano, M.D., 1996, Results of an investigation of the nature of pellet phosphate, Phosphoria Formation: Tehkookeanskaya Geologiya, v. 15, p. 134-149, [in Russian].
- Singer, D.A., 2002, Some uses of neural networks in the geosciences: Proceedings of the International Workshop on Mathematical Geology 2002, November 26-27, 2002, Wuhan, P.R. China, p. 11.
- Singer, D.A., 2001, Some suggested future directions of quantitative resource assessments: Journal of China University of Geosciences, v. 12, no. 1, p. 40-44, [in Chinese in v. 26, no. 2, p. 152-156]
- Singer, D.A., 2001, Some suggested future directions of quantitative resource assessments [abs.]: Symposium on Diversity of Mineralization—its quantitative prediction and assessment: Beijing, China 21th and Wuhan, China, 23th May, [in English and Chinese]
- Singer, D.A., 1999, Acceptance of the SEG Silver Metal for 1998: Economic Geology, v. 94, no. 3, p. 452.
- Singer, D.A., ed., 1996, An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 95-689. <http://www.nbmge.unr.edu/dox/ofr962/>
- Singer, D.A., 1996, Introduction, *in* Singer, D.A., ed., An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 95-689, Chapter 1. <http://www.nbmge.unr.edu/dox/ofr962/>
- Singer, D.A., 1996, Grade and tonnage models, *in* Singer, D.A., ed., An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 96-2, Chapter 11, p. 11.1-11.18. <http://www.nbmge.unr.edu/dox/ofr962/>
- Singer, D.A., 1996, Introduction, *in* Singer, D.A., ed., An analysis of Nevada's metal-bearing mineral resources: Nevada Bureau of Mines and Geology Open-File Report 96-2, Chapter 1, p. 1.1-1.4. ftp://ftp.nbmge.unr.edu/NBMG/nbmge_ofr96_2/
- Singer, D.A., 1996, Some ways to reduce the geologic risk in finding world-class deposits—Kuroko deposits, an example, *in* Kennard, J.M., ed., Australian Geological Convention, 13th, AGSO Jubilee Symposium, Geological Society of Australia Abstracts no. 41, p. 400.
- Singer, D.A., and Bliss, J.D., 2003, Use of a probabilistic neural network to reduce costs of selecting construction rock: Natural Resources Research, v. 12, no. 2, p. 135-140.
- Singer, D.A., and Kouda, Ryoichi, 2003, Introduction to Special Issue on the Symposium on the applicatins of neural networks to Earth Sciences: Natural Resources Research, v. 12, no. 3, p. 153-154.

- Singer, D.A., and Kouda, Ryoichi, 2003, Typing mineral deposits using their grades and tonnages in an artificial neural network: *Natural Resources Research*, v. 12, no. 3, p. 201-208.
- Singer, D.A., and Kouda, Ryoichi, 1996, Application of a feedforward neural network in the search for kuroko deposits in the Hokuroku District, Japan: *Mathematical Geology*, v. 28, no. 8, p. 1017-1023.
- Singer, D.A., and Kouda, Ryoichi, 1996, Classification of mineral deposits into types using mineralogy with a probabilistic neural network [abs.]: *International Symposium on Mineral Exploration*, August 10-11, 1996, Beijing, China, p. 5-6.
- Singer, D.A., and Kouda, Ryoichi, 1997, Classification of mineral deposits into types using mineralogy with a probabilistic neural network: *Nonrenewable Resources*, v. 6, no. 1, p. 27-32.
- Singer, D.A., and Kouda, Ryoichi, 1997, Use of a neural network to integrate geoscience information in the classification of mineral deposits and occurrences, *in* Gubins, A.G., ed., *Proceedings of Exploration 97*, Fourth Decennial International Conference on Mineral Exploration, p. 127-134.
- Singer, D.A., and Kouda, Ryoichi, 1997, Use of a neural network to integrate geoscience information in the classification of mineral deposits and occurrences [abs.]: *Exploration 97, Geophysics and Geochemistry at the Millennium*, September 14-18, 1997, Toronto, Canada, p. 16-17.
- Singer, D.A., and Kouda, Ryoichi, 1998, Examining risk in mineral exploration [abs.]: *Abstracts International Symposium for Mineral Exploration*, 5th, August 20-21, 1998, Brisbane, Australia, p. 20.
- Singer, D.A., and Kouda, Ryoichi, 1999, A comparison of the weights of evidence method and probabilistic neural networks: *Natural Resources Research*, v. 8, no. 4, p. 287-298.
- Singer, D.A., and Kouda, Ryoichi, 1999, Examining risk in mineral exploration: *Natural Resources Research*, v. 8, no. 2, p. 111-122.
- Singer, D.A., and Kouda, Ryoichi, 2000, Some keys to finding useful information in exploration geochemical data [abs.]: *Abstracts CD, International Geologic Congress*, 31st.
- Singer, D.A., and Kouda, Ryoichi, 2001, Some simple guides to finding useful information in exploration geochemical data: *Natural Resources Research*, v. 10, no. 2, p. 137-147.
- Singer, D.A., and Kouda, Ryoichi, 1998, Examining risk in mineral exploration [abs.]: *International Symposium on Mineral Exploration*, August 20-21, 1998 Brisbane, Australia, p. 20.
- Snoke, A.W., Barnes, C.G., Lee, S-Y, Strike, A.T., and Howard, K.A, 2001, Mid-crustal Tertiary magmatism in the Ruby Mountains core complex: *Geological Society of America Bulletin* [[UPGRADE – not in GeoRef February 19, 2003](#)]
- Stewart, J.H., 2003, Mojave-Sonora meagshear—Evidence from Neoproterozoic to Lower Jurassic strata [abs.]: *Geological Society of America Abstracts with Programs*, v. 35, no. 4, p. 13.
- Stewart, J. H., 1998, Neoproterozoic and Lower Cambrian strata in Sonora, Mexico [abs.]: *Geological Society of America Abstracts with Programs*, v. 30, no. 5, p. 66.

- Stewart, J.H., 1998, Regional characteristics, tilt domains, and extensional history of the late Cenozoic Basin and Range province, western North America: *in* Faulds, J.E., and Stewart, J.H., eds., Accommodation zones and transfer zones—the regional segmentation of the Basin and Range Province: Geological Society of America Special Paper 323, p. 47-73.
- Stewart, J.H., 1999, Geologic map of the Carson City 30 x 60 minute quadrangle, Nevada: Nevada Bureau of Mines and Geology, Map 118, 1:100,000 scale.
- Stewart, J.H., 2000, Premier tectonic event in the Great Basin: 0.7 Ga continental separation and its legacy [abs.]: Geology and Ore Deposits 2000, A Geological Society of Nevada Symposium, Programs with Abstracts, p.78.
- Stewart, J.H., Amaya-Matinez, Ricardo, Stamm, R.G., Wardlaw, B.R., Stanley, G.D., Jr., and Stevens, C.H., 1997, Stratigraphy and regional significance of Mississippian to Jurassic rocks in Sierra Santa Teresa, Sonora, Mexico: Revista Mexicana de Ciencias Geológicas, v. 14, no. 2, p. 115-135.
- Stewart, J.H., and Amaya-Martínez, Ricardo, New appraisal of Neoproterozoic and Cambrian strata in Sonora, Mexico [abs.]: *in* Calmas, Thierry, and Pérez-Segura, E., eds., Cuarta Reunión Sobre La Geología del noreste de México y áreas adyacentes, Libro de Resúmenes, p. 129-130
- Stewart, J.H., and others, 1998, Map showing Cenozoic tilt domains and associated structural features, western North America, *in* Faulds, J. E., and Stewart, J.H., eds., Accommodation zones and transfer zones—the regional segmentation of the Basin and Range Province: Geological Society of America Special Paper 323.
- Stewart, J.H., Blodgett, R.B., Boucot, A.J., Carter, J.L., and Lopez, Robert, 1999, Exotic Paleozoic strata of Gondwana provenance near Ciudad Victoria, Tamaulipas, Mexico, *in* Ramos, V.A. and Keppie, J.D., eds., Laurentia-Gondwana connection before Pangea: Geological Society of America Special Paper 336, p. 1-25.
- Stewart, J.H., Gehrels, G.G., Barth, A.P., Link, P.K., Christie-Blick, N., and Wrucke, C.T., 2001, Detrital zircon provenance of Mesoproterozoic to Cambrian arenites in the western United States and northwestern Mexico: Geological Society of America Bulletin, v. 113, no. 10, p. 1343-1356.
- Stewart, J.H., Gehrels, G.G., Barth, A.P., Link, P.K., Christie-Blick, N., and Wrucke, C.T., 1999, U-Pb isotopic ages of detrital zircon indicate crystalline-basement and supracrustal-volcanic sources for Proterozoic and Cambrian arenites, western United States [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 7, p. 373.
- Stewart, J.H., Poole, F.G., Harris, A.G., Repetski, J.E., Wardlaw, B.R., and Morales, J.M., 1999, Neoproterozoic to Pennsylvanian inner-shelf, miogeoclinal strata in Sierra Agua Verde, Sonora, Mexico: Revista Mexicana de Ciencias Geológicas, v. 16, no. 1, p. 35-61.
- Stewart, J.H., Sarna-Wojcicki, A., Perkins, M.E., Dumitri, T.A., 2000, Age of Basin and Range faulting based on coarse clastics in Miocene sedimentary rocks, west-central Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. 44.
- Stillings, L.L., and Amacher, M.C., 2000, Selenium transport through a wetland, Caribou National Forest, southeast Idaho [abs.]: Geological Society of America Program with abstracts, v. 32, no. 7, p. 191.

- Stillings, L.L., Balistrieri, L.S., Tempel, R.N., Lengke, M.F., and Shevenell, L.A., 2001, Chemistry of particulate and colloids in Dexter Pit Lake, Elko County, Nevada, USA [abs.]: EPA Mining Impacted Lakes 2000 Workshop Proceedings, a multimedia CD presentation EPA/625/C-00/004.
- Tempel, R., Balistrieri L., Lengke, M., and Stillings, L., 2000, Geochemical modeling of trace element cycles in Dexter pit lake, Elko County, NV.: International Conference on Acid Rock Drainage, 5th, Proceedings, Society for Mining Metallurgy and Exploration, 2 volumes.
- Tempel, R.N., Balistrieri L.S., Stillings, L.L., 2000, Geochemical modeling of water chemistry in a mine pit lake: Dexter Pit Lake, Tuscarora [abs.]: Geological Society of America Abstracts with Programs, v. 32, no. 7, p. 344.
- Tempel, R.N., Balistrieri, L.S., Lengke, M.F., Shevenell, L.A., and Stillings, L.L., 2000, Geochemical modeling methods of predicting trace element concentrations in Dexter Pit Lake, Elko County, Nevada, *in* Proceedings from the Fifth International Conference on Acid Rock Drainage, Society for Mining Metallurgy and Exploration, volume 1, p. 327-336.
- Tempel, Regina, Balistrier, Laurie, Stillings, Lisa, and Lengke, Maggy, 1999, Integrated approach to prediction of water quality in mine pit waters at Dexter Pit Lake, Elko County, Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 31, no. 7, p. 409-410.
- Theodore, T.G., 2003 [in press], Geologic map of the Beaver Peak quadrangle, Nevada: Nevada Bureau of Mines and Geology Map. [not listed on NVBG website March 6, 2003]
- Theodore, T.G., Kotlyar, B.B., Singer, D.A., Berger, V.I., Abbott, E.W., and Foster, A.L., 2003, Applied geochemistry, geology, and mineralogy of the northernmost Carlin trend, Nevada: Economic Geology, v. 98, no. 2, p. 287-316.
- Theodore, T.G., Moring, B.C., Harris, A.G., Armstrong, A.K., and Finney, S.C., 2002, Geologic map of the Beaver Peak quadrangle, Elko County, Nevada: Nevada Bureau of Mines and Geology Map Series [in press, 14 ms. pages plus 1:24,000, Director's approval, 8/23/01]. – same as above??
- Theodore, T.G., 2003 [in press], Geologic map of the Santa Renia Fields quadrangle, Nevada: Nevada Bureau of Mines and Geology Map. [not listed on NVBG website March 6, 2003]
- Theodore, T.G., 2000, Geologic map of the North Peak quadrangle, Humboldt County and Lander Counties, Nevada, *in* Theodore, T.G., 2000, Geology of pluton-related gold mineralization at Battle Mountain, Nevada: Tucson, Arizona, University of Arizona and U.S. Geological Survey Center for Mineral Resources, Monograph 2, Plate 2, scale 1:24,000.
- Theodore, T.G., 2000, Geologic map of the Snow Gulch quadrangle, Humboldt County and Lander Counties, Nevada, *in* Theodore, T.G., 2000, Geology of pluton-related gold mineralization at Battle Mountain, Nevada: Tucson, Arizona, University of Arizona and U.S. Geological Survey Center for Mineral Resources, Monograph 2, Plate 3, scale 1:24,000.
- Theodore, T.G., 2000, Geologic map of the Valmy quadrangle, Humboldt County, Nevada, *in* Theodore, T.G., 2000, Geology of pluton-related gold mineralization at Battle Mountain, Nevada: Tucson, Arizona, University of Arizona and U.S.

- Geological Survey Center for Mineral Resources, Monograph 2, Plate 1, scale 1:24,000.
- Theodore, T.G., 2000, Geology of pluton-related gold mineralization at Battle Mountain, Nevada, *with a section on* Potassium-argon chronology of Cretaceous and Cenozoic igneous activity, hydrothermal alteration, and mineralization *by* E.H. McKee, *and a section on* Lone Tree gold deposit *by* E.I. Bloomstein, B.L. Braginton, R.W. Owen, R.L. Parrat, K.C. Raabe, and W.F. Thompson, *and a section on* Geology of the Marigold Mine area *by* D.H. McGibbon and A.B. Wallace, *and a section on* Geology, mineralization, and exploration history of the Trenton Canyon project by R.P. Felder: Tucson, Arizona, University of Arizona and U.S. Geological Survey Center for Mineral Resources, Monograph 2, 271 p.
- Theodore, T.G., 2000, Late Paleozoic tectonism of the Antler orogen in northeastern Nevada [abs.]: Reno, Nevada Petroleum Society Newsletter, March 25, 2000, v. XV, Issue 4, 2 p.
- Theodore, T.G., 2000, Paleozoic geology of the Santa Renia Fields and Beaver Peak quadrangles, Tuscarora Mountains, Nevada: Reno, Nevada, Nevada Petroleum Society, 2000 Fieldtrip, 18 p.
- Theodore, T.G., 2000, Geology of pluton-related gold mineralization at Battle Mountain, Nevada: Tucson, AZ, Center for Mineral Resources, Monographs in Mineral Resource Science No. 2, 271 p.
- Theodore, T.G., 1999, Implications of regional geology and geochemistry in the northern Carlin trend, southern Tuscarora Mountains, Nevada [extended abs.], *in* Ralph J. Roberts Distinguished Lecture in Economic Geology, 6th, Program, Mackay School of Mines, 4 p.
- Theodore, T.G., 1996, Geology and implications of silver/gold ratios in the Elder Creek porphyry copper system, Battle Mountain Mining District, Nevada, *in* Coyner, A.R., and Fahey, P.L., eds., Geology and ore deposits of the American Cordillera: Geological Society of Nevada Symposium Proceedings, Reno/Sparks, Nevada, April, 1995, v. 3, p. 1,557-1,571.
- Theodore, T.G., Armstrong, A.K., Harris, A.G., and Stevens, C.H., 1999, Tectonic implications of the Pennsylvanian and Permian Strathearn Formation, Tuscarora Mountains, Nevada [abs.]: Geological Society America, Abstracts with Programs, v. 31, no. 4, p. 59.
- Theodore, T.G., Berger, V.I., and Singer, D.A., 2002, Synorogenic relations of the Pennsylvanian and Permian Strathearn Formation, *with a section on* Microfossil control on age of the Strathearn Formation *by* Anita G. Harris and Calvin H. Stevens: Sedimentology [in review, Director's approval, 8/02].
- Theodore, T.G., Hofstra, A.H., and Nutt, C.J., [in press, 2000], Exploration implications of pluton-related gold mineralization in the Battle Mounatain and Bald Mountain Mining Districts, Nevada [extended abs.], *in* Tosdal, R.M., ed., Epigenetic sedimentary rock-hosted Au deposits of the Great Basin (U.S.A.) and their potential in the Canadian Cordillera: Vaucouver, British Columbia, Mineral Deposit Research Unit, Short Course no. 27, 7 p.
- Theodore, T.G., Hofstra, A.H., and Nutt, C.J., 2000, Explorartion implications of pluton-related gold mineralization in the Battle Mounatain and Bald Mountain Mining Districts, Nevada [Extended abs.], *in* Thompson, T., Arehart, G., Theodore, T.,

- Paulsen, H., and Tosdal, R.M., eds., Carlin-type Au deposits of the North American Cordillera—what are they? —where are they?: Vancouver, British Columbia, Mineral Deposit Research Unit, Short Course no. 27, 7p.
- Theodore, T.G., Kotlyar, B.B., Berger, V.I., Moring, B.C., and Singer, D.A., 2000, Implications of stream-sediment geochemistry in the northern Carlin trend, Nevada [abs.]: *in* Cluer, J. K., Price, J. G., Struhsacker, E. M., Hardyman, R. F., and Morris, C. L., eds., Geology and Ore Deposits 2000—the Great Basin and Beyond: Geological Society of Nevada Symposium Proceedings, v. 2, p. 929-958.
- Theodore, T.G., Kotlyar, B.B., Singer, D.A., Berger, V.I., Abbott, E.W., and Foster, A.L., 2003, Applied geochemistry, geology, and mineralogy of the northernmost Carlin trend, Nevada: *Economic Geology*, v. 98, no. 2, 287-316.
- Theodore, T.G., Kotlyar, B.B., Singer, D.A., Berger, V.I., Foster, A.L., and Abbott, E.W., 2002, Applied geochemistry, geology, and mineralogy of northern Carlin trend of gold deposits, Nevada [abs.]: Elko, Nevada, Geological Society of Nevada—Elko Chapter, Monthly Newsletter, 2 p.
- Theodore, T.G., Kotlyar, B.B., Singer, D.A., Berger, V.I., Foster, A.L., and Abbott, E.W., Applied geochemistry, geology, and mineralogy of the northern Carlin gold trend, Nevada [abs.]: Geological Society of Nevada, abstract, January, 2002 meeting.
- Theodore, T.G., and Peters, S.G., 1998, Links between crustal shortening during the late Paleozoic Humboldt orogeny, northeast striking faults, and Carlin-type Au deposits in Nevada [abs.]: Geological Society America, Abstracts with Programs, v. 30, no. 7, p. 76.
- Thompson, R., Boleneus, D. and Lockard, D., 1992, Mineral resource appraisal of Naval Air Station Fallon, Churchill County, Nevada: US Bureau of Mines Mineral Land Assessment Open-File Report, MLA Open-file Report.
- Tonkin, J.W., Balistrieri, L.S., and Murray, J.W., 1999, Development of a database for sorption modeling on manganese dioxide [abs.]: *Eos (American Geophysical Transactions)*, v. 80, no. 46, p. 375.
- Tonkin, J.W., Balistrieri, L.S., and Murray, J.W., 2000, Development of a database for sorption modeling on manganese dioxide [abs.]: American Chemical Society Meeting, Special session honoring Jim Morgan. [[upgrade](#)]
- Tonkin, J.W., Balistrieri, L.S., and Murray, J.W., 2002, Modeling metal removal onto natural particles formed during mixing of acid rock drainage with ambient surface water: *Environmental Science & Technology*, 36, p. 484-492.
- Tonkin, J.W., Balistrieri, L.S., and Murray, J.W., [[in press](#)], Development of a database for modeling cation adsorption on hydrous manganese oxide using the diffuse double layer model: *Applied Geochemistry*, 32 text pages, 16 figures, 5 tables, and 2 appendices.
- Törmanen, T.O., and Koski, R.A., 1997, Sediment-hosted, gold-rich sea floor massive sulfide deposits from Escanaba trough, southern Gorda Ridge, *in* Papunen, Heikki, ed., Mineral deposits—research and exploration; where do they meet?: Proceedings of the Fourth Biennial SGA Meeting, Turku, Finland, 1997, p. 387-390.

- Törmänen, T.O., and Koski, R.A., 2000, Bismuth and gold mineralogy of pyrrhotite-rich massive sulfide deposits from the Escanaba Trough, southern Gorda Ridge [abs.]: Eos (American Geophysical Union Transactions), v. 81, no. 48, p. 1266.
- Tosdal, R.M., and Nutt, C.J., 1998, Localization of sedimentary-rock hosted Au deposits of the Carlin trend Nevada, along an Eocene accommodation zone [abs.]: Geological Society of America Abstracts with Programs, v. 30, no. 7, p. 372.
- Tosdal, R.M., Wooden, J.L., and Bouse, R.M., 1999, Pb isotopes, ore deposits, and metallogenic terranes, *in* Lambert, D.D. and Ruiz, J., eds., Reviews in Economic Geology, v. 12, Radiogenic Isotopes to Ore Deposits in Research and Exploration, Society of Economic Geologists.
- Tosdal, R.M., Wooden, J.L., and Kistler, R.W., 2000, Geometry of the Neoproterozoic continental break-up, and implications for location of Nevadan mineral belts: Geological Society of Nevada Symposium 2000 Proceedings, p. 451-466.
- Vogel, T.A., Cambray, F.W., Feher, LeeAnn, Constenius, K.N., John, D.A., 1997, Petrochemistry and emplacement history of the Wasatch igneous belt, *in* John, D.A., and Ballantyne, G.H., eds., Geology and ore deposits of the Oquirrh and central Wasatch Mountains, Utah: Society of Economic Geologists Field Guidebook Series no. 29, p. 47-63.
- Wallace, A.R., 2003, Geology of the Ivanhoe Hg-Au District, northern Nevada—Influence of Miocene volcanism, lakes, and active faulting on epithermal mineralization: Economic Geology, v. 98, no. 2, 409-424.
- Wallace, A.R., 2003, Geologic map of the Willow Creek Reservoir quadrangle, Elko County, Nevada: Nevada Bureau of Mines and Geology Map 135, 16 p., 1 sheet, scale 1:24,000. [color]
- Wallace, A.R., 2003, Geologic map of the Willow Creek Reservoir SE quadrangle, Elko, Eureka, and Lander Counties, Nevada: Nevada Bureau of Mines and Geology Map 136, 15 p., 1 sheet, scale 1:24,000. [color]
- Wallace, A.R., 2002, Formation, preservation, and destruction of Miocene paleosurface-related epithermal deposits, northern Nevada [abs.]: Geological Society of America Abstracts with Programs, v. 34, no. 5, p. 44.
- Wallace, A.R., 2002, Late Cenozoic evolution of the Great Basin: Applications to precious-metal, diatomite, and geothermal resources: Northwest Mining Association' Annual Meeting 108th, Exposition and Short Course, p. 3-4.
- Wallace, A. R., 2001, Relation of rhyolite volcanism, lakes, and faulting to middle Miocene epithermal deposits, Ivanhoe district, Nevada, and the regional preservation and destruction of Miocene epithermal deposits [abs.]: Gordon Conference on Formation, Modification, and Preservation of Ore Deposits, August 2001, Andover, New Hampshire.
- Wallace, A.R., 2000, The northern Sheep Creek Range and Ivanhoe District: Geological Society of Nevada Symposium 2000 Field Trip Guidebook no. 8, p. 92-102.
- Wallace, A.R., 2000, Tertiary geology of the Ivanhoe mining district and vicinity, Elko County, Nevada: Geological Society of Nevada 2000 Symposium Field Trip Guidebook 8, p. 135-146.
- Wallace, A.R., 1999, Miocene volcanic rocks and gold deposits, Gold Circle (Midas) district and vicinity: Geological Society of Nevada Special Publication 29, p. 209-212.

- Wallace, A.R., and John, D.A., eds., 2000, Volcanic history, structure, and mineral deposits of the north-central northern Nevada rift: Geological Society of Nevada Symposium 2000 Field Trip Guidebook no. 8, 175 p.
- Wallschlager, Dirk, Ashley, R.P., Wang, Changqing, and Cullen, W.R., 2000, Trimethylarsenic and other unusual arsenic species in waters affected by abandoned gold mine tailings [abs.]: Proceedings of the International Symposium on Speciation of Elements in the Biological, Environmental, and Toxicological Sciences, 4th, [in press]. [upgrade citation]
- Wooden, J.L., Kistler, R.W., Fleck, R.J., and Tosdal, R.M., 2000, Constraints on crustal structure and mineral trends in the Great Basin from Pb and Sr isotopic data [abs.]: Geological Society of America Abstracts with Program, v. 32, no. 7, p. 392.
- Wooden, J.L., Tosdal, R.M., and Kistler, R.W., 1997, Pb and Sr isotopic mapping of crustal structure in the Northern Great Basin, *in* Vikre, P., Thompson, T.B., Bettles, K., Christensen, O., Parratt, R., eds., Carlin-type gold deposits field conference, Society of Economic Geologist Guidebook Series, v. 28. p. 47-53.
- Wynn, J.C., Gray, Floyd, Nordstrom, T.E., Liu, Dexin, Reed, E.V., Villaseñor, F.A., Connard, Gerry, 2003, Using analytic signal analysis on aeromagnetic data to constrain AMT inversions, Sonora, San Pedro basin, Mexico: Proceedings – Symposium on the Application of Geophysics and Engineering and Environmental Problems (SAGEEP 2003), April 6-10, 2003, San Antonio, Tx, p.1-11.
- Wynn, J.C., Mars, J.L., Gray, Floyd, Schultz, A.P., Maldonado, F.A., Villaseñor, F.A., Brady-Norman, L.M., 2003, Aster imagery and aeromagnetic data—powerful tools to aid reconnaissance geologic mapping of the Sierra San José mountain range, northern Sonora State, Mexico: Proceedings—Symposium on the Application of Geophysics and Engineering and Environmental Problems (SAGEEP 2003), April 6-10, 2003, San Antonio, Texas, p. 12-25.
- Wynn, J.C., Pool, Don, Bultman, M.W., Gettings, M.E., and Lemieuz, Jean; 2000, Airborne EM as a 3-D aquifer mapping tool, *in* Powers, M.H., Ibrahim, Abou-Bakr, and Cramer, Lynn, eds., Proceedings of the Symposium on the Application of Geophysics to Environmental and Engineering Problems, v. 2000, (SAGEEP) p. 93-99.
- Zhegallo, E.A., Piper, D.Z., and Medrano, M. 1999, Permian phosphate-bearing basin of the Rocky Mountains-Phosphoria Formation, USA, *in* Shkolnik, E.L., and others, eds., Nature of phosphate grains and phosphorites from the largest basins of the world: Russian Far East Geological Institute, Dalnauka,, Vladivostok, p. 46-55.
- Zientek, M.L., Causey, J.D., Boleneus, D.E., and Hyndman, P.C., 2000, Exploration data sets on selected minerals for parts of Idaho and Montana [abs.]: Northwest Mining Association Annual Meeting 108th, Exposition and Short Course.