

Published maps, charts, and imagery

1. National Geographic Society. (1971). Arctic Ocean Floor. Scale 1:10,011,000 based on bathymetric studies by B. C. Heezen and M. Tharp and the U. S. Naval Oceanographic Office. Includes all **J. K. Hall** Ph.D. thesis results for about ~25% of the Amerasia Basin.
 2. Israel Ministry of Transport, Department of Shipping and Ports (1974). Bathymetric Chart No. 7, Strait of Tiran, Red Sea - Gulf of Elat ('Aqaba'). Scale 1:25,000, soundings in corrected meters, 50 m contour interval below 50 m depth, and 10 m contour above. Analysis and contouring by **J. K. Hall**. Printed by the Survey of Israel - Mapping Division for International Maritime Sales. Note that this is one of the very few non-DMA charts that is reproduced *in toto* by the U. S. Defense Mapping Agency as Chart 62222.
 3. American Geographical Society (1975). Map of the Arctic Region. Sheet 14 of the World 1:5,000,000 Series, Polar Stereographic with scale of 1:5,000,000 at 71°N. Bathymetry by B. C. Heezen and M. Tharp. Includes reproduction of **J. K. Hall** Ph.D. thesis results. Also shows for the first time **Hall Seamount**.
 4. **Hall, J. K.** (1979). Bathymetric Chart of the Dead Sea. Two-color chart of the Dead Sea. Prepared for the International Symposium on Rift Zones of the Earth: The Dead Sea Rift, Jerusalem, September 10-20, 1979: One Sheet, Scale 1:100,000.
 5. **Hall, J. K.** and Ben-Avraham, Z. (1979). Bathymetric Chart of the Gulf of Elat. Three-color chart of the Gulf of Elat, with tracks on reverse side. Prepared for the International Symposium on Rift Zones of the Earth: The Dead Sea Rift, Jerusalem, September 10-20, 1979: One Sheet, Contour interval 50 m, overprinted on land with LANDSAT MSS imagery, Scale 1:250,000, Israel Grid.
 6. **Hall, J. K.** (1980). Bathymetric Chart of the Southeastern Mediterranean Sea. Isr. Geological Surv., Rep. MG/13/80, 1 Sheet, 3 colors, Mercator Projection, Scale 1:625,000, 50 m contours. Reprinted without attribution In: Plants and Animals of the Land of Israel, (A. Alon and L. Fishelson eds.), Volume 4: Aquatic Life, Ministry of Defence/The Publishing House Society for Protection of Nature, Israel, p. 18.
 7. **Hall, J. K.** (1980). Bathymetry of the Gulf of Elat and Suez. On: Sinai-Geological Photomap, Scale 1:500,000. (Bartov, Y., Eyal, M., Shimron, A. E. and Bentor, Y. B., Compilers). Survey of Israel, Tel Aviv. This data is also reproduced on the Aeromagnetic and Bouguer Gravity Anomaly maps of Y. Folkman and R. Assael.
 8. **Hall, J. K.** (1981). Bathymetric Chart of the Northeastern Mediterranean Sea. Isr. Geological Surv., Rep. MG/2/81, 1 Sheet, 3 colors, Mercator Projection, Scale 1:625,000, 50 m contours. Reprinted without attribution In: A. Alon and L. Fishelson (Eds.), Plants and Animals of the Land of Israel, Volume 4: Aquatic Life, Ministry of Defence/The Publishing House Society for Protection of Nature, Israel, p. 18.
- Note: The eleven Intergovernmental Oceanographic Commission (IOC) charts and chart series referenced below all include J. K. Hall as one of eight members of the IBCM Editorial Board.**
9. Intergovernmental Oceanographic Commission (1981). International Bathymetric Chart of the Mediterranean (IBCM), Sheet 10. Series established under the Cooperative Investigations in the Mediterranean (C.I.M.), Mercator projection, scale 1:1,000,000 at 38°N latitude, 10 sheets with heights and depths in meters, published by the Head Department of Navigation and Oceanography, Ministry of Defence, Leningrad, USSR, under the authority of IOC (UNESCO), 1st Edition, June 1981.
 10. **Hall, J. K.** and Ben-Avraham, Z. (1983). Bathymetric Chart of the Gulf of Elat. Three-color chart of the Gulf of Elat, with tracks on reverse side. Prepared for the International Symposium on Rift Zones of the Earth: The Dead Sea Rift, Jerusalem, September 10-20, 1979: 1 Sheet, Scale 1:250,000, reprinted February 1983 with LANDSAT high resolution RBV imagery.
 11. Almagor, G. and **Hall, J. K.** (1984). Bathymetric Chart of the Mediterranean Coast of Israel. First Edition. One sheet, scale 1:250,000, Cassini (Israel Grid) Projection, 3 colors, with seven high resolution LANDSAT-3 RBV images on land, and offshore contour interval to 5 m.
 12. Perry, R. K., Fleming, H. S., Weber, J. R., Kristoffersen, Y., **Hall, J. K.**, Grantz, A. and Johnson, G. L. (Compilers) (1985). Bathymetry of the Arctic Ocean. Polar Stereographic Projection, Scale 1:4,704,075 at Latitude 78°N. 1 sheet prepared by the Naval Research Laboratory, Acoustics Division, Acoustic Media Characterization Branch, as preliminary version of Plate 1 in the Geological Society of America D-NAG Volume L, The Arctic Basin.
 13. Perry, R. K., Fleming, H. S., Weber, J. R., Kristoffersen, Y., **Hall, J. K.**, Grantz, A., Johnson, G. L., Cherkis, N. Z. and Larsen, B. (Compilers) (1986). Bathymetry of the Arctic Ocean. Polar Stereographic Projection, Scale 1:4,704,075 at Latitude 78°N. 1 sheet prepared by the Naval Research Laboratory, Acoustics Division, Acoustic Media Characterization Branch, Plate 1 in Geological Society of America D-NAG Volume L, The Arctic Basin. **Later:** Geol. Soc. A., Map Chart Ser. MC-56.

14. Intergovernmental Oceanographic Commission (1987). International Bathymetric Chart of the Mediterranean (IBCM). Mercator projection, scale 1:5,000,000 at 38°N latitude, published by the Head Department of Navigation and Oceanography, Ministry of Defence, Leningrad, USSR, under the authority of IOC (UNESCO), 1st Edition.
15. Intergovernmental Oceanographic Commission (1989). Bouguer Gravity Anomalies (IBCM-G). IBCM Geological-Geophysical Series, Mercator projection, scale 1:1,000,000 at 38°N latitude, 10 sheets with terrain corrected Bouguer anomalies and 10 mgal contours, heights and depths in meters, published by the Head Department of Navigation and Oceanography, Ministry of Defence, Leningrad, USSR, under the authority of IOC (UNESCO). Final Edition, 1989.
16. Intergovernmental Oceanographic Commission (1989). Bouguer Gravity Anomalies (IBCM-G). IBCM Geological-Geophysical Series. Mercator projection, scale 1:5,000,000 at 38°N latitude, 1 sheet with terrain corrected Bouguer anomalies and 10 mgal contours, heights and depths in meters, published by the Head Department of Navigation and Oceanography, Ministry of Defence, Leningrad, USSR, under the authority of IOC (UNESCO). Final Edition, 1989.
17. Intergovernmental Oceanographic Commission (1990). Seismicity (Instrumental) (IBCM-S). IBCM Geological-Geophysical Series, Mercator projection, scale 1:1,000,000 at 38°N latitude, 10 sheets with approximately 20,000 instrumentally determined earthquake epicenters, heights and depths in meters, hypsometric tints for shallow and deep marine areas, published by the Head Department of Navigation and Oceanography, Ministry of Defence, Leningrad, USSR, under the authority of IOC (UNESCO), Preliminary Edition, 1988, Final edition 1990.
18. Intergovernmental Oceanographic Commission (1990). Unconsolidated bottom surface sediments of the Mediterranean and Black Seas (Layer 0-5 cm) (IBCM-SED). IBCM Geological-Geophysical Series, Mercator projection, scale 1:5,000,000 at 38°N latitude, 1 sheet with 21 sedimentological symbols and 6 generic tints based upon a compilation of all sedimentological data, heights and depths in meters, published by the Head Department of Navigation and Oceanography, Ministry of Defence, Leningrad, USSR, under the authority of IOC (UNESCO), Preliminary Version December 1989.
19. Intergovernmental Oceanographic Commission (1990). Plio-Quaternary Isopach map (IBCM-PQ). IBCM Geological-Geophysical Series, Mercator projection, scale 1:1,000,000 at 38°N latitude, 10 sheets with 200 m isopach contours borehole designations, and structural interpretations, prepared by Profs. Burolet and Gennesseaux under the authority of IOC (UNESCO), Preliminary Version, December 1989.
20. Historical Productions Inc. (1989). STM (SPOT-LANDSAT TM MERGE) Satellite Map of the Sea of Galilee and Upper Jordan Valley. Scale 1:100,000, Cassini-Soldner (Israel Grid) projection. 10 m color pixels based on LANDSAT-5 TM data from January 18, 1987 merged with 10 m SPOT panchromatic imagery by KRS Kodak Remote Sensing, Landover, MD. Explanatory text by **J. K. Hall** with co-production in printing.
21. **Hall, J. K.** (1992). Jericho Slope Map. 1:50,000 scale slope map of the 9-III,IV Jericho Topocadastral Sheet. GSI Report GSI/4/92. 1 sheet, four colors overprinted on the topographic base for areas with slopes <3°, 3-8°, 8-17°, and >17°, In Hebrew. Map withdrawn in favor of the second version below.
22. **Hall, J. K.** (1992). Jericho Slope Map. 1:50,000 scale slope map of the 9-III,IV Jericho Topocadastral Sheet. GSI Report GSI/4/92. 1 sheet, six colors overprinted on the topographic base for areas with slopes <10°, the 5° slope intervals up to 30°, and then >30°, In Hebrew.
23. **Hall, J. K.** (1992). Schem (Nablus) Slope Map. 1:50,000 scale slope map of the 5-IV Schem Sheet. GSI Report GSI/19/92. 1 sheet, six colors overprinted on the topographic base for areas with slopes <10°, the 5° slope intervals up to 30°, and then >30°, In Hebrew.
24. Ginzburg, A., Folkman, Y., Rybakov, M., Rotstein, Y., Assael, R. and Yuval, Z. (1993). Israel - Bouguer Gravity Map 1:500,000. 1 mGal contours on geological map, 1 mGal contours with hypsometric color tinting on road map, and Regional Bouguer Gravity Map, Source Map, and station location insets, Israel Institute for Petroleum Research and Geophysics, printed by the Survey of Israel, 1 sheet. Terrain corrections calculated using DTM of **J. K. Hall**.
25. **Hall, J. K.** (1993). Ramallah Slope Map. 1:50,000 scale slope map of the 8-IV Ramallah Topocadastral Sheet. GSI Report GSI/14/93. 1 sheet, six colors overprinted on the topographic base for areas with slopes <10°, the 5° slope intervals up to 30°, and then >30°, In Hebrew.
26. **Hall, J. K.** (1994). Digital shaded-relief map of Israel and environs. Grayscale sheet at 1:500,000 scale with bathymetry. Location map printed on the reverse. Geological Survey of Israel, Jerusalem, August 1994 (reprinted February 1997).
27. **Hall, J. K.** (1994). Bathymetric Chart of the Eastern Mediterranean Sea. Scale 1:625,000 at Latitude 46°N, 50 m corrected contours, three color, blue shade hypsometric gradations every 200 m. Included in map packet with Krashennikov, V. A. and **Hall, J. K.** (eds.), Geological structure of the North-eastern Mediterranean (Cruise 5 of the Research Vessel 'Akademik Nikolaj Strakhov'), Historical Productions-Hall, Jerusalem, 396 + vii p, April 1994.

28. **Hall, J. K.** (1994). Landforms of Israel and Adjacent Areas. Grayscale sheet of land topography at 1:500,000 scale with physiographic provinces by E. Zilberman and R. Bogoch (Hebrew Edition). Geological Survey of Israel, Jerusalem.
29. Rybakov, M., Goldshmidt, V., Folkman, Y., Rotstein, Y., Ben Avraham, Z. and **Hall, J. K.** (1994). Israel - Magnetic Anomaly Map 1:500,000. 10 nT contours on geological map, 10 nT contours with hypsometric color tinting on road map, and Regional Magnetic Anomaly Map, Sources, and Source Map insets. Israel Institute for Petroleum Research and Geophysics, printed by the Survey of Israel, 1 sheet.
30. Udintsev, G. B., **Hall, J. K.**, Udintsev, V. G. and Knjazev, A. B. (1996). Colored relief chart in the atlas accompanying the article entitled: Topography of the Equatorial Segment of the Mid-Atlantic Ridge after Multibeam Echosounding. In: Equatorial Segment of the Mid-Atlantic Ridge, Initial Results of the Geological and Geophysical Investigations under the EQUARIDGE Program, Cruises of R/V 'Akademik Nikolaj Strakhov' in 1987, 1990, 1991. (G. B. Udintsev, ed.). IOC Technical Series No. 46, UNESCO 1996 (English), pp. 8-14.
31. **Hall, J. K.** (1997). Landforms of Israel and Adjacent Areas. Grayscale sheet of land topography at 1:500,000 scale with physiographic provinces by E. Zilberman and R. Bogoch (English Edition). Geological Survey of Israel, Jerusalem, April 1997. Map also distributed with: Begin, Z. B. and Zilberman, E., (1997). Main stages and rate of the relief development in Israel. Geological Survey of Israel, Report GSI/24/97 (in Hebrew), 67 p.
32. Intergovernmental Oceanographic Commission (1997). Unconsolidated bottom surface sediments of the Mediterranean and Black Seas (Layer 0-5 cm) (IBCM-SED). IBCM Geological-Geophysical Series, Mercator projection, scale 1:1,000,000 at 38°N latitude, 10 sheet with 21 sedimentological symbols and 6 generic tints based upon a compilation of all sedimentological data, heights and depths in meters, published by the Head Department of Navigation and Oceanography, Ministry of Defence, St. Petersburg, Russian Federation, under the authority of IOC (UNESCO), Final Version in press.
33. Israel Mapping Center - Survey of Israel (1997). Israel North and South Shaded Relief Maps at 1:250,000 scale. Scale 1:250,000, Israel grid, with the shading based upon positive grayscale films provided by **J. K. Hall** from the DTM of Israel, with shading calculated for the 1994 1:500,000 scale shaded relief poster.
34. Intergovernmental Oceanographic Commission (1998). Plio-Quaternary Isopach map (IBCM-PQ). IBCM Geological-Geophysical Series, Mercator projection, scale 1:1,000,000 at 38°N latitude, 10 sheets with 200 m isopach contours borehole designations, and structural interpretations, prepared by Profs. Buroillet and Genesseeux under the authority of IOC (UNESCO), published by the Head Department of Navigation and Oceanography, Ministry of Defence, St. Petersburg, Russian Federation, under the authority of IOC (UNESCO), Final Version in press.
35. Intergovernmental Oceanographic Commission (1998). Magnetic anomaly map of the Mediterranean and Black Seas (IBCM-M). IBCM Geological-Geophysical Series, Mercator projection, scale 1:5,000,000 at 38°N latitude, 1 sheet with 21 sedimentological symbols and 6 generic tints based upon a compilation of all sedimentological data, heights and depths in meters, published by the Head Department of Navigation and Oceanography, Ministry of Defence, St. Petersburg, Russian Federation, under the authority of IOC (UNESCO), In press.
36. Intergovernmental Oceanographic Commission (1990). Unconsolidated bottom surface sediments of the Mediterranean and Black Seas (Layer 0-5 cm) (IBCM-SED). IBCM Geological-Geophysical Series, Mercator projection, scale 1:5,000,000 at 38°N latitude, 1 sheet with 21 sedimentological symbols and 6 generic tints based upon a compilation of all sedimentological data, heights and depths in meters, published by the Head Department of Navigation and Oceanography, Ministry of Defence, Leningrad, USSR, under the authority of IOC (UNESCO). Photographic reduction and printing by **J. K. Hall**.
37. Hall, J. K. (1998). Israel Mediterranean 1:50,000 scale Coastal Chart Series. Five 1:50,000 scale Mercator charts with 2.5 m bathymetric contours to 50 m, 5 m contours to 200 m, and 10 m contours in deeper waters. Chart shows bottom sediment types, closed areas, WGS-84 coastline, preferred shipping zones, lights, buoyage, wrecks, offshore wells, and artificial offshore structures. Chart names and limits are:

Upper	Left	Corner	Lower	Right	Orientation
Chart 1 - Rosh Hanikra to Atlit	33°-11'N	34°-42'E	32°-42'N	35°-07'E	Portrait
Chart 2 - Atlit to Netanya	32°-42'N	34°-24'E	32°-21'N	34°-58'E	Landscape
Chart 3 - Netanya to Bat Yam	32°-21'N	34°-19'E	32°-00'N	34°-52'E	Landscape
Chart 4 - Palmahim to Ashqelon	32°-00'N	34°-10'E	31°-39'N	34°-45'E	Landscape
Chart 5 - Zikim to Rafah	31°-39'N	33°-58'E	31°-18'N	34°-32'E	Landscape

 Charts bear references to Geological Survey of Israel Report GSI/1/98.
38. **Hall, J. K.** (1998). Three-dimensional map of the Island of Cyprus. Grayscale sheet of land topography at 1:250,000 scale, Geological Survey of Israel and Cyprus, Jerusalem, one sheet. Sheet prepared for ICGEM-3, Third International Conference on the Geology of the Eastern Mediterranean, Nicosia, Cyprus, September 23-26, 1998.

39. Sneh, A., Bartov, Y., Weissbrod, T., Rosenhaft, M. and **Hall, J. K.** (2000). Geological Shaded Relief Map of Israel and Environs. Computer generated geological map on a Digital Shaded Relief Map by **J. K. Hall**. Scale 1:500,000, Geological Survey of Israel, December 2000. Printed in English and Hebrew.
40. **Hall, J. K.** (2002). Hypsometrically colored, shaded relief maps for the 2003 GEBCO Digital Atlas (GDA). The new GDA on CDROM will provide an unprecedented 1' grid for the world. This contribution covers the land and marine areas from 6°W to 70°E and 8°N to 48°N, and includes the Mediterranean, Red, Black, Caspian, Aral and Arabian Seas, the Persian Gulf and Lake Baikal. Initial gridding produced 0.25' and 0.5' grids prepared from over 700 digitized Russian HDNO navigational charts.
41. **Hall, J. K.** (2002). Lake Baikal, Siberia as a 0.5' Grid. Hypsometrically colored, shaded relief grid and hypsometrically colored shaded relief map of Lake Baikal and vicinity for the 2003 GEBCO Digital Atlas (GDA). Based on digitized 100 m contours from five digitized Russian HDNO navigational charts, set into topography from the USGS HYDRO1k 1 km dataset.
42. **Hall, J. K.** (2003). Aral Sea as a 0.1' Grid. Hypsometrically colored, shaded relief map of the Aral Sea for the future updates of 2003 GEBCO Digital Atlas (GDA). Based on 1 m contours from analysis by the DLR German Space Agency, set into topography from the latest USGS GTOPO30 1 km dataset.
43. Sade, A. R., **Hall, J. K.**, Golan, A., Amit, G., Gur-Arie, L., Tibor, G., Ben-Avraham, Z., Hübscher, C., and Ben-Dor, E., (2006). High resolution bathymetry of the Mediterranean Sea off Northern Israel. GSI Report GSI/20/2006 and IOLR Report H44/2006, laminated poster map, scale 1:50,000.
44. Sade, A. R., **Hall, J. K.**, Golan, A., Amit, G., Gur-Arie, L., Tibor, G., Ben-Avraham, Z., Ben-Dor, E., Fonseca, L., Calder, B. R., Mayer, L. A., and de Moustier, C., (2006). Acoustic Backscatter at 95 kHz from the seafloor off Northern Israel. GSI Report GSI/20/2006 and IOLR Report H44/2006, laminated poster map, scale 1:50,000.
45. **Hall, J. K.**, (2006). Landforms of Israel. 1:500,000 shaded relief poster of the DTM of Israel, reprinted in Arabic.
46. **Hall, J. K.**, (2006). Landforms of Israel. 1:500,000 shaded relief poster of the DTM of Israel, reprinted in Hebrew.
- 47-48. Eyal, M., Bentor, Y. K., Shimron, A., E., Eyal, Y., Calvo, R., and **Hall, J. K.**, (2013). Geological Map of Feiran Metamorphic Belt, Sinai, Egypt. Scale 1:75,000, 2 Sheets, Geological Line Map on Satellite Image, and Colored Geological Map.
- 49-50. Eyal, M., Bentor, Y. K., Goor, A., Bruner, I., Eyal, Y., Calvo, R., **Hall, J. K.**, and Rosensaft, M., (2013). Geological Map of Katherina Ring Complex, Sinai, Egypt. Scale 1:50,000, 2 Sheets, Geological Line Map on Satellite Image and Colored Geological Map.
- 51-52. Eyal, M., Bentor, Y. K., Eyal, Y., Calvo, R., **Hall, J. K.**, and Rosensaft, M., (2013). Geological Map of Precambrian Rocks of South-West Sinai, Egypt. Scale 1:75,000, 2 Sheets, Geological Line Map on Satellite Image and Colored Geological Map.

Unpublished Maps/Charts/Track Plots and Digital Bibliographies

1. **Hall, J. K.** (1978). Bathymetric and Track Charts of the Rosh Haniqra - Ras Al Bayada Offshore. Based upon the Geophysical Survey of May 7-8, 1978; Scale 1:25,000, 5 m contour interval.
2. **Hall, J. K.** (1979). Track Chart of the Geophysical Cruise of the I.F.P. R/V RESOLUTION, Expedition ODYSSEE VI, 10 February - 1 March 1979. Based upon Satellite/Doppler Navigation: Scale 1:500,000; submitted to the Institute for Petroleum Research and Geophysics, Holon.
3. **Hall, J. K.** (1979). Bathymetric Chart of the Atlit area based on 1978-1979 detailed surveys. Scale 1:10,000, 1 m contour interval.
4. **Hall, J. K.** (1981). Preliminary Bathymetric Chart of the Northern Red Sea and Gulf of Suez and Elat. 1 Sheet, Mercator Projection, 5 to 100 m contours depending upon area.
5. **Hall, J. K.** (1981). Preliminary Bathymetric Chart of the First Search Area, R/V NIR Cruise of 27 October - 24 November 1980. Contour Interval 25 m, Scale 1:50,000 UTM Projection.
6. **Hall, J. K.** (1982). Preliminary Bathymetric Chart of the First and Second Search Areas, including R/V NIR Cruise of 18 September - 1 October 1981. Contour interval 25 m, Scale 1:50,000 UTM Projection.
7. **Hall, J. K.** (1982). Production details for the 1:625,000 Bathymetric Chart of the Southeastern Mediterranean. 22 p. manuscript.
8. **Hall, J. K.** (1984ff On Line). The MEDMAP Geophysical Bibliography of the (eastern) Mediterranean Sea and adjacent areas. 78 p. manuscript with 841 references.
9. **Hall, J. K.** (1984ff On Line). The REDMAP Geophysical Bibliography of the (northern) Red Sea and adjacent areas. 120 p. manuscript with 1800+ references.
10. **Hall, J. K.** (1984ff On Line). Bibliography of References in Seismic Anisotropy. 15 p. manuscript with 188 references.