

Research reports (mainly major, several year-long projects).

1. **Hall, J. K.** and Nalwalk, A. J., (1963). Track charts, bathymetry and location of observations for CHAIN Cruises No. 29, 30 and 31. Woods Hole Oceanographic Institution (W.H.O.I.) Reference No. 63-25, 44 p.
2. **Hall, J. K.**, (1964). Instructions for Sparker Cable Construction. Woods Hole Oceanographic Institution (W.H.O.I.) Technical Memorandum No. 13-64, 11 p., 24 figs.
3. **Hall, J. K.** and Hersey, J. B., (1966). Bottom reverberation from explosive sound in the North Atlantic Ocean and Mediterranean Sea. Woods Hole Oceanographic Institution (W.H.O.I.) Reference No. 66-47, 35 p.
4. Hunkins, K. L., Kutschale, H. W. and **Hall, J. K.**, (1969). Studies in marine geophysics and underwater sound from Drifting Ice Stations. Lamont-Doherty Geological Observatory of Columbia University, Final Report NONR 266(82), 79 p., 32 figs.
5. **Hall, J. K.**, (1969). Geophysical investigations from Fletcher's Ice Island. In: Studies in Marine Geophysics and Underwater Sound from Drifting Ice Stations. (Hunkins et al. eds.), Lamont-Doherty Geological Observatory of Columbia University, Final Report NONR 266(82), pp. 33-44.
6. **Hall, J. K.**, (1970). Arctic Ocean geophysical studies: The Alpha Cordillera and the Mendeleev Ridge. Lamont-Doherty Geological Observatory CU-2-70, Technical Report No. 2, 141 p., 40 figs. Published form of my Ph.D. Thesis, Columbia University, NY, 141 p.
7. **Hall, J. K.**, (1970). Computer programs for celestial navigation in Arctic Regions. Paper critically reviewed at Lamont-Doherty for publication in the journal NAVIGATION. Lost in mails, never published because of move to GSI.
8. Hunkins, K. and **Hall, J. K.**, (1971). The navigation of Fletcher's Ice Island (T-3). AIDJEX Bulletin 7, Arctic Data Buoy and Positioning Systems, April 1971, pp. 47-58.
8. Neev, D., Almagor, G., Arad, A., Ben-Avraham, Z., Ginzburg, A. and **Hall, J. K.**, (1971). The geology of the southeastern Mediterranean Sea. GSI Marine Geology Division Report No. MG/71/6, 39 p.
9. **Hall, J. K.** (1972). Computer data processing-automatic mapping, navigation data and seismic data. GSI Marine Geology Division, 2 p.
10. Neev, D., Almagor, G., Arad, A., Ben-Avraham, Z., Ginzburg, A. and **Hall, J. K.**, (1973). The geology of the southeastern Mediterranean Sea. GSI Marine Geology Division Report No. MG/73/5, 43 p., 24 figs.
11. **Hall, J. K.**, (1973). Equipment for geophysical (seismic) prospection of building and other industrial materials. A report to Mr. B. F. P. Bruins, Project Manager, Offshore Prospection for Building and Other Industrial Materials, Project ISR/71/522/B/01/01. GSI Marine Geology Division Report, Jerusalem, 33 p.
12. **Hall, J. K.**, (1973). Computation of tidal coefficients for Ras Sudar using data from the 32 day Period 27 July to 27 August 1972. GSI Marine Geology Division Report, Jerusalem, 2 p., Tables and Programs.
13. **Hall, J. K.**, (1973). Final Chart and Report on the results of a bathymetric survey carried out September 4-6, 1973, by the Israel Oceanographic and Limnological Research Limited and the Geological Survey of Israel - Marine Geology Division for Mamash Limited. GSI Marine Geology Division Report, Jerusalem, November 1973, 6 p. and 2 tables with 26 p. of computer programs.
14. **Hall, J. K.**, (1974). Descriptive notes for the Bathymetric Map and track chart of the Haifa Bay Littoral Zone Geophysical Survey of 17-19 September 1973 (Project 73-06-005). GSI Marine Geology Division Research Report, Jerusalem, April 1974, 3 p., 2 figs., 3 tables.
15. **Hall, J. K.** and Bakler, N., (1975). Detailed bathymetric and shallow seismic surveys at five locations along the Mediterranean coast of Israel. UN/UNDP-GSI Offshore Dredging Project, Field Report No. 1, 26 p., 13 figs., 1 table.
16. **Hall, J. K.** and Neev, D., (1975). The Dead Sea Geophysical Survey 19 July-1 August 1974: Final Report No. 1. GSI Marine Geology Division Report No. 2/75, Jerusalem, December 1975, 27 p.
17. **Hall, J. K.**, (1976). Report on the Uniboom tests in the Ras Garra Area - 29 January 1976. Report submitted to the Neptune Oil Company, A-Tur, 4 p.
18. **Hall, J. K.**, (1976). Seismic Studies - Haifa Bay: Summary Report. GSI Marine Geology Division Field Report No. 1/76, UN/UNDP-GSI Offshore Dredging Project, ISR/71/522, 108 p.
19. Neev, D. and **Hall, J. K.**, (1976). The Dead Sea Geophysical Survey 19 July - 1 August 1974. Final Report No. 2. GSI Marine Geology Division Report No. 6/76, Jerusalem, September 1976, 21 p.

20. Neev, D., Shachnai, E., **Hall, J. K.**, Bakler, N. and Ben-Avraham, Z., (1977). The Caesarea Structure. GSI Marine Geology Division Report No. 6/77, 23 p., 15 figs., 2 tables.
21. **Hall, J. K.** and Neev, D., (1978). The Dead Sea Geophysical Survey 19 July - 1 August 1974; Final Report No. 1 (previously MGD 2/75): Methods, Navigation, Bathymetry and Magnetism. GSI Marine Geology Division Report No. MG/1/78, Jerusalem, February 1978, 28 p.
22. Neev, D. and **Hall, J. K.**, (1978). The Dead Sea Geophysical Survey 19 July - 1 August 1974: Final Report No. 2 (previously MGD 6/76) Seismic Results and Interpretation. GSI Marine Geology Division Report No. MG/1/78, Jerusalem, February 1978, 21 p.
23. **Hall, J. K.**, (1979). Appendix on compressional wave velocity estimation and UNIBOOM oblique reflection - refraction error correction. In: Almagor, G. and Nir, Y. Detailed Bathymetric and Shallow Seismic Survey off the Site for the M.D. Electric Station near Hadera, II. GSI Marine Geology Division Report No. MG/1/79, Jerusalem, September 1979, 20 p., 15 figs.
24. Ben-Avraham, Z., Garfunkel, Z., Almagor, G. and **Hall, J. K.**, (1979). Continental breakup by a leaky transform: The Gulf of Elat (Aqaba). Annual Report of the Steinitz Laboratory, Elat, p. 26-36.
25. Neev, D., **Hall, J. K.** and Saul, J. M., (1980). Lineament swarms and the Pelusium Megashear System across Africa. Geological Survey of Israel Report No. MG/12/80, 30 p.
26. Neev, D. and **Hall, J. K.** (1981). A global system of primordial spiraling geosutures. Geological Survey of Israel Report No. MG/5/81, 65 p. Nov. 1981.
27. Mart, Y. and **Hall, J. K.** (1982). The R/V SHIKMONA geophysical survey in the northern Red Sea. Cruise report submitted to the Ministry of Energy and Infrastructure, November 1982. 7 p. plus maps and figures.
28. Mart, Y. and **Hall, J. K.** (1982). Tectonic framework of the northern Red Sea. Six page manuscript submitted as a Letter to Nature.
29. **Hall, J. K.** (1983). Preliminary report on the Dead Sea Shallow Seismic Survey of 5-9 June 1983. Report to the Earth Science Research Directorate of the Ministry of Energy and Infrastructure, November 1983, 3 p.
30. **Hall, J. K.** (1983). The GSI program for detection of tectonic movements through long-term precision measurements of sea surface levels: Preliminary report on Project 20081. Gauge 1: Ashdod Deployment. 34 p. manuscript.
31. **Hall, J. K.** (1983). CRVFIT: A program in BASIC for curvilinear regression analysis. GSI Marine Geology & Geomathematics Division Occasional Computer Contribution Series Report No. MGG/OC/1/83, November 1983, 10 p.
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35. **Hall, J. K.** (1984). LANDSAT Imagery Catalog for the Dead Sea and Arava - Including a Primer on Remote Sensing for this area. Geological Survey of Israel Report GSI/8/84, March 1984, 86 p.
36. Ben-Avraham, Z., Levi, Y., **Hall, J. K.** and Neev, D. (1985). The structure and composition of the uppermost layers in the Dead Sea. Tel Aviv University, Dept. of Geophysics and Planetary Sciences, Report MGL TAU 1/85, 12 p., 15 figures.
37. **Hall, J. K.** (1986). Arctic Ocean Bibliography: Marine Geology, Geophysics, Oceanography, Acoustics, and Related Subjects. Geological Survey of Israel Report GSI/1/86, Jerusalem, February 1986, 190 p. typeset, 4407 references, author and subject indices.
38. **Hall, J. K.** (1986). MEDMAP/REDMAP/DEADMAP: Special Data Base 41. In: Directory of Special Data Bases in Israel (E. Hoffman, ed.), National Center of Scientific and Technical Information (COSTI), Ministry of Energy and Infrastructure, Tel Aviv, February 1986, p. 25.

39. **Hall, J. K.** and Ben-Avraham, Z. (1984/88). Gulf of Elat 1976 Geophysical Survey - Seismic Reflection Profiles. Three 70 x 100 cm sheets: Longitudinal Profiles A-E; Latitudinal Profiles 1-28 and Location Map; Latitudinal Profiles 29-56. GSI Marine Geology Division Report GSI/16/84, Jerusalem.
40. **Hall, J. K.** (Editor). (1988). The International Bathymetric Map of the Mediterranean (I.B.C.M.) published under the Authority of the Intergovernmental Oceanographic Commission of UNESCO, by C. Morelli and S. Val'chuk, September 1988. 10 page preprint with 1:10,000,000 color reduction of the IBCM.
41. **Hall, J. K.** (1987-94). Digital Terrain Models (DTMs) of 240 20 x 20 km tiles of 1:50,000 Topocadastral Sheets of Israel, Southern Lebanon, Southern Syria, Western Jordan, Egyptian Sinai, Cyprus, and Malta. DTMs are based upon the digitized 10 m contours and each consists of 641,601 elevations at 10 cm resolution on a 25 m grid. This one item represents 12,000 hours of interactive computer work. This is among the highest resolution DTMs for any country in the world.
42. **Hall, J. K.** and Louzoun, Y. (1993). Acoustic and seismic survey of the Israel Mediterranean Offshore - 8-19 August 1993. Geological Survey of Israel Technical Report TR-GSI/32/93, 26 p. plus 48 figs.
43. Lavee, D., Karnieli, A., Verchovsky, I., Meisels, A. and **Hall, J. K.** (1995). Planning of dirt roads in the desert by GIS (In Hebrew). Ramon Science Center Report, March 1995, 28 p.
44. Almagor, G., Gill, D. and **Hall, J. K.** (1997). Artificial Islands Project: Sources of fill materials, continental shelf of Israel. Stage I: Compilation and analysis of databases of existing data. Geological Survey of Israel Report GSI/26/97, 22 p.; appendix, figures, maps, 65 p. total.
45. **Hall, J. K.** (1997). Digital Coastal Zone Lithology for the RESSAC Project (Remote Sensing Support for the Analysis of Coasts). Geological Survey of Israel, Report GSI/7/97, 29 p., May 1997. Includes CD-ROM.
46. Viel, M., Carnemolla, S., Raimondo, M., Brachya, V., Ginott, Y., Almagor, G., **Hall, J. K.**, Perath, I., Golik, A., Hesselmans, G., Wensink, H., Hajji, H., Thouvenin, V. and Ligi, R. (1997). Remote Sensing Support for Analysis of Coasts (RESSAC). First Scientific Report, RESSAC, 40 p.
47. **Hall, J. K.** (1998). Israel Mediterranean 1:50,000 scale Coastal Chart Series: Explanatory notes. Geological Survey of Israel Report GSI/1/98, 38 p.
48. **Hall, J. K.**, Weinberger, R., Marco, S. and Steinitz, G. (1999). Test of the accuracy of the DTM of Israel. Geological Survey of Israel Report TR-GSI/1/99, 16 p.
49. **Hall, J. K.** (2000). Orthographic Satellite Imagery Coverage, Israel and Adjacent Areas. Scale 1:100,000. New Israel Grid, STM (LANDSAT TM and SPOT Panchromatic Merged) Imagery. 70 by 90 cm laminated posters and post cards.
 Sheet 1 Nazareth. Geological Survey of Israel Report GSI/4/2000
 Sheet 2 Netanya. Geological Survey of Israel Report GSI/5/2000
 Sheet 3 Jericho. Geological Survey of Israel Report GSI/6/2000
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 Sheet 5 Ashqelon. Geological Survey of Israel Report GSI/8/2000
 Sheet 6 Sede Boqer. Geological Survey of Israel Report GSI/9/2000
 Sheet 7 Mizpe Ramon. Geological Survey of Israel Report GSI/10/2000
 Sheet 8 Elat-Aqaba, Jordan. Geological Survey of Israel Report GSI/11/2000
 Sheet 9 Damascus. Geological Survey of Israel Report GSI/12/2000
 Sheet 10 Irbid-Amman, Jordan. Geological Survey of Israel Report GSI/13/2000
 Sheet 11 Karak, Jordan. Geological Survey of Israel Report GSI/14/2000
 Sheet 12 Petra, Jordan. Geological Survey of Israel Report GSI/15/2000
50. **Hall, J. K.** (2000). Bathymetric charts inset into Orthographic Satellite Imagery Coverage. New Israel Grid, STM (LANDSAT TM and SPOT Panchromatic Merged) Imagery. 70 by 90 cm laminated posters and post cards.
 Sheet 13 Dead Sea, 1:100,000. Geological Survey of Israel Report GSI/16/2000
 Sheet 14 Sea of Galilee, 1:50,000. Geological Survey of Israel Report GSI/17/2000
 Sheet 15 Gulf of Elat/Aqaba, 1:250,000. Geological Survey of Israel Report GSI/18/2000
51. **Hall, J. K.** (2000). Northern Levant Satellite Map, Scale 1:1,039,500. Mosaic of sixteen LANDSAT 5 TM scenes covering all of Syria and parts of Turkey, Lebanon, Israel, Jordan, Iraq, and Saudi Arabia. Bands 2, 4, and 7. With text and location map.

Sheet 16 of Orthographic Satellite Imagery Coverage Israel and Adjacent Areas, Geological Survey of Israel Report GSI/19/2000, 70 by 90 cm laminated poster and post card. * This article was reviewed before publication.

52. **Hall, J. K.**, Lippman, S., Gardosh, M., Tibor, G., Sade, A. R., Sade, H., Golan, A., Amit, G., Gur-Arie, L., and Nissim, I, (2015). A new bathymetric map for the Israeli EEZ: Preliminary results. Israel Ministry of National Infrastructure, Energy, and Water Resources, 5 May, Rept. 2015_239_תשנ"ה, 12 p. plus appendices.
53. **Hall, J.K.**, Tibor, G., Kanari, M., Sade, A.R., Golan, A., Amit, G., Gur-Arie, L., and Ketter, T., (2017). A New Multibeam Bathymetric Map of the Israeli Exclusive Zone. A3-sized poster. Backside is: Tibor, G., Ketter, T., Amit, G., and Kanari, M., (2017). R/V Bat Galim – The New Governmental Research Vessel for Deep Sea. A3-sized poster. Prepared for distribution at the Annual meeting of the Israel Geological Society, March 20-23, Mizpe Shalem.