

REFERENCES

- Abdallah, A. M. and Abu Khadrah, A. M. ;1976:** Remarks on the geomorphology of the Sinai peninsula and its associated rocks ,Egypt , Proceedings, Sixth collogium on the geology of Agean region no.6 (Athens),pp.509-516
- Abd elrahman, E. M., Refai, E. M., and Adawy,H.F.;**1987: Gravity interpretation of El-Qaa Plain area, Gulf of Suez. JL. Egyptian Society of Engineers, Vol.26 ,No .3.
- Anderson. W. L., 1979a,** Program MARQDCLAG, Marquardt inversion of DC Schlumberger soundings by lagged-convolution: U. S. Geol. Surv. Open-file rep. 79-1432, 58.
- Barron,T.;**1907:The topography and geology of western Sinai ,Egypt .Survey Dept. Cairo, section III p.123-130.
- Bayoumi,A.I.;**1983: Hand book, Geophysical Expl. At sea. CRC press Inc., H. USA.
- Bentor, Y. K.;** 1970: Outline of the igneous component of the pre-Cambrian massive of Sinai, Isr. Geo. Soc. Guide book to central Sinai. P.14-25.
- Beirschenk, W. H. and Wilson, G. R.;**1961:"The exploration and development of groundwater resources in Iran" Symp. Ground-water in Arid Zones, Athens, No. 57, Int. Ass. Hydrol. Sci. 2, 607627.
- Bunter, M.A.G.;** 1982: Surface and subsurface geology of the Qaa basin, Southern Sinai, A.R.E., 6th E.G.P.C. Exploration Seminar, Cairo, A.R.E.
- Chebotarev, I. I.;** 1955:"Metamorphism of Natural water in the crust of weathering" I. Geochim. Cosmochim Acta,P. I. P 32.
- Chenet, P., Letouzey, J., and Zaghloul, E. S.;** 1984: Some Observation on the Rift Tectonics in the Eastern part of the Suez Rift, 7th E.G.P.C. Exploration seminar, Cairo PP.33.

Clark, L.;1977:"The analysis of step drawdown tests", Q. J. Engng. Geol.,P. 125-143.

Compaynie Generale de Geophysique(CGG), 1963. Master curves for electrical sounding. European Association of Exploration Geophysicists, The Hague.

CONOCO; 1982: Interpreted photogeological maps .

Dames and Moore; 1985: Sinai Development Study, phase 1, Final Report, Water Supplies and Coast, Vol. V.; Report submitted to the advisory Committee for Reconstruction Ministry of Development. Cairo, 147 P.

Darcy, H. 1956. Les fontaines publiques de la ville de dijon, V..Dalmont, Paris 647pp.

Desert Institute, 1979. Preliminary report on the groundwater resources in Sinai Peninsula,Egypt. The water Resources Depart.,Cairo.

Dobrin, M. B., 1976, introduction to geophysical prospecting: New York, McGraw-Hill.

EL-Refai A. A; 1984: Geomorphological and Hydrogeological Studies on El-Qaa plain ,Gulf of Suez ,Sinai, Egypt. M. Sc. Thesis, Fac. Sci., Cairo Univ., 298p.

EL-Refai A. A; 1992, Water Resources of Southern Sinai, Egypt. (Geomorphological and Hydrogeological studies). Ph.D. Thesis, Fac. Sci. Cairo. Univ., 357pp.

Flathe, H. 1955b. A practical method of calculating geoelectrical model graphs for horizontal stratified media. Geophys. Prospect., 3: 268-295 .

Frohlich, R. K., an Kelly, W. E., 1985, The relation between hydraulic transmissivity and transverse resistance in a complicated aquifer of glacial outwash deposits: Hydrol., Vol. 79, p. 215-229.

Garfunkel,Z.,and Bartov ,Y.;1977:The tectonics of the Suez Rift. Geol. Surv. Isr. Bull., V.71.44P.

- Geofizika Company, 1963** . Final report, southwestern Sinai, reconnaissance investigations, hydrogeology , geophysics and soil studies, Zagreb, Yugoslavia, Cairo branch, 184p.
- Gheorghge, A.; 1979:**"Processing and Synthesis of hydrogeological data". Abacus Press,390p.
- Ghosh, D. P., 1971a.** The application of linear filter theory to direct interpretation of geoelectric resistivity sounding measurements. Geophys. Prosp., vol. 19, pp.769-775.
- Gilbea, Y., 1984.** Structural and lithological constraints on groundwater accumulation in El- Qaa plain, South-Western Sinai. Annu.Meet. Isr. Geol. Soc.
- Hamill, L. and Bell, F. G.;1986:**" Groundwater resource development" British Library, ISBN 0- 408- 01409-1, pp.1-32.
- Health, R.C.;1987.** "Basic Groundwatr Hydrology", U.S. Geol. Surv. Water-Supply, Paper 2220.
- Hem, J. D.;1989:**Study and interpretation of the chemical characteristics of natural water". U.S. Geological Survey, water supply, Papers 1473 &2254.
- Hounsflow, A. W.; 1995:** Water quality data analysis and interpretation", New York, Lews Publisher.
- Hume, W. F., Madcwick, I. C., Moon, F. M., and Sadak, H.; 1921:** Preliminary geological report on Abu -Durba (Western Sinai). Petroleum Research Bulletin No.1, Ministry of finance, Egypt, P.20.
- Hume, W. F.; 1962:** Geology of Egypt, Geol. Surv. And. Mineral Research Dept. Cairo, Volume III; Part I.
- -----;1965:** Geology of Egypt, Geol. Surv. And. Mineral Research Dept. Cairo, Volume III; Part II.

- Ibrahim, S. and Ghoneimi, A. A., 1992.** A contribution of the potential field data to establish the subsurface configuration of the southwestern Sinai, Egypt. Proc. 3rd Conf. Geol. Sinai Develop., Suez Canal Univ., Ismailia.
- Jacob, C.E., (1947):** Drawdown test to determine effective radius of artesian well, Trans. Am. Soc. Civ. Engrs, 112, 1047-1070.
- Jones, T.H.; 1946:** Geological Survey of the eastern coast Gulf of Suez, South of latitude 29°00'. Standard oil of Egypt, Report No.87.
- Kamel, H. and Fouad, A., 1975.** Project of establishing the gravity map of Egypt, Bouger map, scale 1,500,000. G. P. C. Co., Egypt.
- Kassem ,M.,1980:** Hydrogeologic studies in Wadi Feiran ,south-western Sinai. M.Sc. Thesis,Fac.of Sci., Suez Canal Univ., Ismailia. Egypt.
- Kelly. E. W.;1977:** Geoelectric sounding for estimating aquifer hydraulic conductivity: Groundwater, Vol.15, p.420-424.
- Kosinky, W. K., and Kelly, W. E. 1981.** Geoelectrical soundings for predicting aquifer properties: Groundwater, Vol. 19, p. 163-171.
- Koefoed, O., 1970.** Afast method for determining the layer distribution from the raised Kernal function, Geophys. Prosp., vol. 8, pp.564-570.
- Koefoed, O., 1979.** Geosounding principles, 1- Resistivity sounding principles. Elsevier Publ., Amsterdam.
- Kunetz, G., 1966,** Principles of direct current resistivity prospecting: Gebruder-Borntraeger, Verlag, Stuttgart.
- Kunetz, G., and Rocroi, J. P., 1970,** Traitment automatique des sondages electrique: Geophys. Prosp., 18, 157-198.
- Maillet, R., 1947,** The fundamental equations of electrical prospecting: Geophysics, 12, 529-556.

- Schimschal, U., 1981:** The relationship of geophysical measurements to hydraulic conductivity at the Brantly Dam Site New Mexico: *Geoexploration*, Vol. 19, p. 115-126.
- Schoeller, H.;1962:** "Les eaux Souterraines", Paris, France, Massio et Cie, 642p.
- Schurmann,H.M.E.;1965:** The Pre-Cambrian along the Gulf of Suez and the Northern Part of the Red Sea. E. J. Brill. (Leiden), 404 P.
- Shendy,E.H.;1984:** Geological and Geophysical investigation for Groundwater in El-Qaa plain ,Southwestern Sinai. M. Sc. Thesis, Fac. of Sci., Suez Canal University, Ismalia, Egypt.
- Steeple, D. W., 1970,** Resistivity methods in prospecting for groundwater: M.Sc. Thesis, Kansas State University, Manhattan, Kansas.
- Stefanescu, S.S., and Schlumberger, C. M.1930.** Sur la distribution electrique potentielle autour dune prise de terre ponctuelle dans un terrain a couchea horizontales, homogenes et isotropes.*J. Phys. Radium*, 7:132-141.
- Strakhov, V. N., and Karelina, G. N.,1969,** On the interpretation of vertical electrical sounding data with an electronic calculating machine [in Russian]: *Prikladnaya Geofiz.*, 56, 118-129.
- Sulin, V. A., (1946):** Oil waters in the system of natural waters, Gostoptechizdat, Moscow, (in Russian).
- Tavitian, C.; 1994:** Mixing Phenomena due to Sea-water intrusion in the limestone Zarakas Mountain Range". Groundwater quality, Nash & McCall (eds), Chapman & Hall. ISBN 0412586207.
- Tealeb, A. and Riad, S., 1987.** Regional tectonic of Sinai Peninsula interpreted from gravity and deep data. *E. G. S. Proc. Of 5th ann. M.*, pp.18-49.
- Telford,W.M., Geldart,L.P., Keys, D.A and Sheriff,R.E.;1990:**Applied Geophysics, Cambridge University Press, New York.

- Theis, C. V., 1935.** The relation between the lowering of the piezometric surface and the rate and duration of discharge of a well using groundwater storage : Trans. Am. Geoph. Union , Vol. 16.
- Ungemach, P., et al, 1969.** Essais de determination du coefficient d'emmagasinement en nappe libre et application a' la nappe alluvial du Rhin., Int. Assoc., SC. : Hydrol., Vol.14, p. 169-190.
- U.S Salinity Laboratory Staff, 1954.** Diagnosis and improvement of saline and alkali soils: Dep. Agric., Hand Book, Washington D. C., No.60,p.1-60.
- Van Dam, J.C., 1965.** A simple method for the calculation of standard-graphs to be used in geo- electrical prospecting. Geophys. Prospect, 13: 37-65.
- Van Der Pleeg,P.;1953:** Egypt in V.C.Illing(Editor).The World Oil Fields,the Eastern Hemisphere, The Science of Petroleum ,Oxford Univ.Press.611.PP. 151-157.
- Velpen, B. P. A., 1988:** "Resist" a computer program for the interpretation of resistivity sounding curves. An ITC. M. Sc. research project, Delft, The Netherlands.
- Webster, D. I., and Riston, N., 1992:** Post- Eocene Stratigraphy of the Suez rift in South-west Sinai ,Egypt .E.G.P.C., Sixth Exploration Seminar ,Cairo ,March ,1992.Vol.1,PP. 276-288.
- Wilcox, L. V.;1948:**"The quality of water for irrigation use" U.S. Dept. Agric. Tech. Bull. 962, pp. 1-40.
- World Health Organization, (WHO);1984:** Guidelines for drinking water. Quality, vol.1.Recommendations. World Health Organization, Geneva, 130 pp.
- WRRI&JICA, 1999.** South Sinai Groundwater resources study in the Arab Repuublic of Egypt, Main Report.
- Zohdy, A. A. R.; 1973,** A computer program for the automatic interpretation of Schlumberger sounding curves over horizontally stratified media: Nat. Tech. Inform. Serv., PB-232-703,27.

-----; **1974:**Use of Dar Zarrouk curves in the interpretation of vertical electrical sounding data: U.S. Geol. Surv. Bull. 1313-D, 41.

-----; **1975:**Automatic interpretation of Schlumberger sounding curves using modified Dar Zarrouk functions ,Bull.13.B.E.,U.S.Geol.Surv.

Zohdy, A. A. R.; 1989: A new method for automatic interpretation of Schlumberger and Wenner sounding curves; Geophysics, Vol.54, P.245-25 .

Zohdy, A. A. R., and Bisdorf, R. J., 1975:Computer programs for the forward calculation and automatic inversion of Wenner sounding curves: Nat. Tech. Inform. Serv., PB-247-256, 27.