

**MICHAEL GREGORY SKLASH  
EXPERT QUALIFICATIONS**

**Education**

- Ph.D. (Earth Sciences), University of Waterloo, Waterloo, Ontario, Canada, 1978 (specializing in hydrogeology)
- M.Sc. (Earth Sciences), University of Waterloo, Waterloo, Ontario, Canada, 1975, (specializing in hydrogeology)
- B.A.Sc. (Geological Engineering), University of Windsor, Windsor, Ontario, Canada, 1973

**Employment History**

- 1992 - present, Senior Hydrogeologist, The Dragun Corporation
- 2007 – present, Part-Time Faculty, Department of Civil Engineering, Lawrence Technological University, Southfield, Michigan
- 2002, Sessional Professor, Department of Earth Science, University of Windsor, Windsor, Ontario, Canada
- 1977 - 1994, Professor, Department of Geology and Department of Civil and Environmental Engineering, University of Windsor, Windsor, Ontario, Canada

**Professional Registration**

- Professional Engineer, Professional Engineers Ontario, 1978-present

**Recent Project Experience**

- Aero-Motive Company, Kalamazoo, Michigan  
litigation support, plume allocation, trichloroethene in groundwater, modeling
- Aerodynamics, Inc., Pontiac, Michigan  
litigation support, LNAPL in groundwater, groundwater remediation, modeling
- Baker and Hostetler, LLP, Cleveland, Ohio  
litigation support, landfill permitting
- Barnes and Thornburg, Grand Rapids, Michigan  
litigation support, former industrial site

## Recent Project Experience (cont'd)

- Buckingham, Doolittle, & Burroughs, LLP., Columbus, Ohio  
litigation support, impacts from large farm operations
- Canadian Tire Corporation, Toronto, Ontario
  - Aldershot, Ontario – Phase II ESA, Decommissioning
  - Barrie, Ontario – Site Characterization, Remediation
  - Chelmsford, Ontario – Phase I and II ESA
  - Elmira, Ontario – Phase I ESA
  - Goderich, Ontario – Site Investigation, Remediation, Litigation Support
  - Grand Bend, Ontario – Phase I ESA
  - Hamilton, Ontario – Phase II ESA
  - Hearst, Ontario – Site Decommissioning
  - Kenora, Ontario – Site Investigation and Remediation
  - Kincardine, Ontario – Site Investigation
  - Leamington, Ontario – Peer Review
  - London, Ontario – Site Investigation
  - Niagara Falls, Ontario – Peer Review
  - Ottawa, Ontario – Peer Review
  - Owen Sound, Ontario – Peer Review
  - Port Colborne, Ontario – Litigation Services Support
  - Sault Ste. Marie, Ontario – Peer Review
  - Toronto, Ontario – Peer Review, Pilot Testing, Feasibility Analysis, Remedial Action Plan
  - Wallaceburg, Ontario – Peer Review
  - Warton, Ontario – Phase I ESA
  - Wingham, Ontario – Phase I ESA
  - Woodstock, Ontario – Site Investigation
  - Vancouver, British Columbia – Peer Review
- Chicago Lake Property Owners Association  
peer review
- City of Salina, Kansas  
peer review, VOCs in groundwater, expert services
- Cooper Standard, Gaylord, Michigan  
peer review
- Crystal Flash, Grand Rapids, MI  
peer review, gasoline in groundwater at two sites
- Deffenbaugh Industries, Shawnee, Kansas  
groundwater investigation at landfill, use of isotopes to trace leachate movement
- Delphi Automotive, Flint, Michigan  
peer review, LNAPL investigation, remediation
- Dorinco Reinsurance Company, Timber Insurance Ltd, and Dorintal Reinsurance Ltd  
litigation support, plume allocation, VOCs in groundwater, modeling
- Federal-Mogul Corporation, Grand Haven, Michigan  
groundwater investigation, plume allocation
- Federal-Mogul Corporation, Michigan City, Indiana  
groundwater investigation, groundwater modeling, chlorinated hydrocarbons

## Recent Project Experience (cont'd)

- Federal-Mogul Corporation, St Johns, Michigan  
groundwater investigation, aquifer testing, VOCs in groundwater, remediation
- Freedom Hill Park, Sterling Heights, Michigan  
due care analysis of landfill
- G Spencer, Ann Arbor, MI  
permitting issue
- Garan Lucow Miller, PC., Grand Blanc, Michigan  
litigation support, wetlands issue
- Grange Insurance Company of Michigan, Grand Haven, Michigan  
groundwater cleanup, gasoline in groundwater, peer review, litigation support
- Hayes-Lemmerz, Sao Paolo, Brazil  
peer review
- Henkel Technologies, Morenci, Michigan  
groundwater flow system analysis, VOCs in groundwater
- Henkel Technologies, Fremont, CA  
groundwater flow system analysis
- Henkel Technologies, Newington, CT  
groundwater flow, VOCs in groundwater
- Hertz, Schram & Saretsky, Bloomfield Hills, MI  
litigation support regarding CDK leachate
- Hidden Oak Subdivision, Romeo, Michigan  
groundwater supply
- Hogan & Hartson, Washington, D.C.  
litigation support, TCE in groundwater
- Howard E. Gurwin, P.C., Detroit, MI  
litigation support
- Hydro Aluminum Adrian, Adrian, MI  
remedial investigation, plume allocation, modeling, chlorinated hydrocarbons,  
annual monitoring, plant decommissioning
- Hydro Aluminum North America, c/o Manko, Gold, Katcher, & Fox LLP, Philadelphia,  
expert services in site characterization and remediation, VOCs in soil and  
groundwater
- IMG & Associates, Saline, KS  
groundwater flow, VOCs in groundwater
- Jaffe Raitt, Southfield, MI  
peer review industrial site remedial investigation
- Jaffe Raitt, Southfield, MI  
litigation support regarding wetland issues
- Jervis B. Webb Company, Farmington Hills, MI  
forensic hydrogeology, plume allocation, groundwater consulting in South Gate,  
CA; meetings with California regulators
- Jill Clark, PA., Golden Valley, Minnesota  
peer review
- Katten, Muchin, Rosenmann, Chicago, IL  
VOCs in groundwater litigation

## Recent Project Experience (cont'd)

- Marc Shaye, Royal Oak, MI  
methane from landfill evaluation
- Michigan Seat, Jackson, MI  
VOCs in groundwater, remedial investigation, two sites
- Michigan Sugar  
groundwater discharge permits for three sites, permit assistance
- Monterey Development, Bruce Township, Michigan  
groundwater supply
- Murphy Oil, Minnesota  
BTEX in groundwater, plume allocation
- Newby, Lewis, Kaminski, and Jones, LaPorte, IN  
litigation support, gasoline in groundwater
- Newby, Lewis, Kaminski, and Jones, LaPorte, IN  
groundwater flow, VOCs in groundwater
- Pogogeff, Alpine, New Jersey  
litigation support, groundwater level increase
- Prestwick Enterprise, Macomb Township, Michigan  
groundwater consultation
- Rexair, Inc., Cadillac, Michigan  
groundwater investigation, plume allocation, groundwater modeling, chlorinated hydrocarbons
- Rock-Tenn, Otsego, Michigan  
lagoon investigation, chlorinated hydrocarbons
- Salina Entities, Salina, KS  
remediation cost estimate, VOCs in soil and groundwater
- Schwan's Sales Enterprises Incorporated, Salina, Kansas  
soil and groundwater investigation, plume allocation, VOCs in groundwater
- Seven Lakes Development, Romeo, Michigan  
remedial investigation, groundwater supply, and groundwater modeling
- Shore Properties, SE Michigan  
peer review and site investigation, VOCs in soil and groundwater
- Smith Bovill, Saginaw, MI  
litigation support regarding industrial landfills
- South Macomb Disposal Authority Sites 9/9A - Superfund Sites, Michigan  
remedial investigation, groundwater modeling, litigation support
- South Macomb Disposal Authority Sites 9/9A  
peer review of landfill remediation
- South Macomb Disposal Authority Site 11, Michigan  
consulting regarding landfill
- South Minnesota Beet Sugar Cooperative, Minnesota  
groundwater report for NPDES permit
- State of Michigan  
litigation support, former drum site remediation
- Tiamo, LLC, Property, Macomb Township, Michigan  
Phase II investigation adjacent to landfill

## Recent Project Experience (cont'd)

- TRW, Sterling Heights, Michigan  
peer review, LNAPL remediation, flow system analysis, RAP preparation, annual monitoring
- Tucson Airport Superfund Site, Arizona  
litigation support, groundwater modeling, VOCs in groundwater
- University of Michigan, Ann Arbor, Michigan  
groundwater investigation at landfill, chlorinated hydrocarbons
- Unocal, Bellaire, Ohio  
litigation support, plume allocation, BTEX in groundwater
- Vreba Hoff Dairy Development  
fracture investigations at two sites  
groundwater supply investigations
- Van Kley and Walker, L.L.C., Columbus  
litigation support for five agricultural projects
- Vreba Hoff Dairy Development  
fracture investigations at two sites  
groundwater supply investigations
- Walbro Corporation, France  
peer review, groundwater modeling, chlorinated hydrocarbons

## Recent Trial Testimony, Depositions, and Opinions

- Kosha v Consumers Energy Company et al.  
40<sup>th</sup> Circuit Court, County of Lapeer, State of Michigan  
Case No: 08-040193-Ch  
*Hydrogeological Issues*
- ITT Corporation v Borg Warner Inc., et al. V L.A. Darling Company  
Federal Court Western District Michigan  
Case No. 1:05-CV-0674 (W.D. Mich.)  
*Chlorinated Hydrocarbon and/or Hydrocarbon Contamination of Soil/Groundwater*
- Acme Contracting, LTD v Michigan Department of Management and Budget  
State of Michigan Ingham County Circuit Court  
Docket No. 07-103-MK  
*Site Characterization for Remediation*
- Robert E. and Roberta Shaffer et al. v Optima Dairy LLC and Indiana Department of Environmental Management  
Indiana Office of Environmental Adjudication  
Case No. 07-W-J-4041  
*Agricultural Issues in Groundwater*

## Recent Trial Testimony, Depositions, and Opinions (cont'd)

- Larry Askins et al. v Robert J. Boggs, Director, Ohio Department of Agriculture, et al  
State of Ohio Environmental Review Appeals Commission  
Case No. ERAC 876032-876034  
*Agricultural Issues in Groundwater*
- Richard Franks et al. v CMS Land Company et al  
State of Michigan in the Circuit Court for the County of Emmet  
Case No. 05-9024-NZ  
*Landfill Issues and Groundwater*
- Citizens Against Mega Dairies, LLC et al. v. Fred Dailey, Director of Ohio Department of Agriculture, et al  
State of Ohio Environmental Review Appeals Commission  
Case No. ERAC 245756 eq seq  
*Agricultural Issues in Groundwater*
- Wood County Citizens for Clean Air and Water Committee of WCCOFF LLC, et al., v Fred Dailey, Director of Ohio Department of Agriculture, et al  
State of Ohio Environmental Review Appeals Commission  
Case No. ERAC 875654-875666  
*Agricultural Issues in Groundwater*
- Michael A. Cox, Attorney General for the State of Michigan v Rexair, Inc.  
Circuit Court for the 30<sup>th</sup> Judicial District, Ingham County, MI  
Case No. 89-64557  
*Chlorinated Hydrocarbon and/or Hydrocarbon Contamination of Soil/Groundwater*
- Michael A. Cox, Attorney General of the State of Michigan v Macomb County Parks and Recreation; South Macomb Disposal Authority, et al.  
Circuit Court for the County of Macomb  
Case No. 95-150 CE  
*Landfill Issues and Groundwater*
- Stark-Tuscarawas-Wayne Joint Solid Waste Management District et al. v Christopher Jones, Director Ohio Environmental Protection Agency and Republic Services of Ohio, LLC, et al.  
State of Ohio Environmental Review Appeals Commission  
Case No. ERAC 795323  
*Landfill Issues and Groundwater*
- Century Indemnity Company v Aero-Motive Company  
US District Court, Western District of Michigan, Southern Division  
Case No. 1:02-CV-108  
*Chlorinated Hydrocarbon and/or Hydrocarbon Contamination of Soil/Groundwater*

## Recent Trial Testimony, Depositions, and Opinions (cont'd)

- Larry Bowens, et al., v 7-Eleven, Inc., The Southland Corporation, MDK Corporation and ENSR Corporation  
Elkhart Superior Court III, Goshen, Indiana  
Case No. 20D03-0209-CT-48  
*Chlorinated Hydrocarbon and/or Hydrocarbon Contamination of Soil/Groundwater*
- Andrew and Helen Pogogeff v Borough of Alpine, et al.  
Superior Court of New Jersey, Bergen County  
Docket No. BER-L-735-99  
*Hydrogeological Issues*
- Aero-Motive Company v William and Roger Becker  
US District Court, Western District of Michigan  
Case No. 1:99-CV-384 (W.D. Mich.)  
*Chlorinated Hydrocarbon and/or Hydrocarbon Contamination of Soil/Groundwater*
- Aetna Casualty and Surety Company v The Dow Chemical Company and American Guarantee and Liability Company, et al.  
US District Court, Eastern District of Michigan, Southern Division  
Case No. 93 CV 73601 DT  
*Chlorinated Hydrocarbon and/or Hydrocarbon Contamination of Soil/Groundwater*
- American Special Risk Insurance Company et al. v City of Center Line et al.,  
United States District Court, Eastern District of Michigan, Southern Division  
Case No. 2:97-CV-72874  
*Landfill Issues and Groundwater*
- South Macomb Disposal Authority v Cranford And International Insurance Company,  
The Circuit Court For The County Of Macomb, State Of Michigan  
Case No. 84-2686-CZ  
*Landfill Issues and Groundwater*
- Technical Rubber Co. et al. v Buckeye Egg Farm LLP et al.  
Licking County Court of Common Pleas, Newark, Ohio  
Case No. 99 CV 729  
*Agricultural Issues in Groundwater*
- United States Aviation, et al., v Tucson Airport Authority et al.; Ronald John Smith et al.,  
v Tucson Airport Authority et al.; and Associated Aviation Underwriters, et al., v Tucson  
Airport Authority et al.  
Superior Court of the State of Arizona and for the County of Pima  
Case No. 298875 (under seal)  
*Chlorinated Hydrocarbon and/or Hydrocarbon Contamination of Soil/Groundwater*

## Professional Publications

Sklash M and Chekiri K. 2009. Contaminant Modeling to Optimize Groundwater Remedial System Design. Environment, Energy, and Resources Law: The Year in Review 2008. The American Bar Association, pp 115-116.

Sklash M and Pare C. 2007. Don't Take Your Water Supply for Granted. Hoard's Dairyman, Vol. 152, No 12, p. 490.

Sklash M, Bolin J, and Schroeder M. 2006. The ABC's of Environmental Forensics. Chemical Engineering Progress, Vol. 102, No 3, pp 40-45

Sklash M and Denton C. 2006. Contaminant Fate and Transport in the Courtroom. In: Contaminated Soils, Sediments and Water: Success and Challenges, Volume 10, Springer

Sklash M and Mason-Merrill S. 2002. Is there really a problem with our groundwater supply? Commercial Inc. Magazine, Pontiac, MI

Sohani GG, Kakade BK, Blackburn WH, Simpson F, Sklash, MG, Smith TE, and Steele DG. 2001. Conjunctive use of water resources in Deccan Trap (India). BAIF Development Research Foundation.

Sklash M. 2000. Groundwater supplies for "difficult" Subdivisions. Michigan Municipal Review, June 2000, 29-31.

Sklash M, Schroeder M, and Dragun J. 1999. Groundwater Models: Can you believe what they are saying? Natural Resources and Environment 13(4), 542-545, 576.

Sklash M, Schroeder M, Chekiri K, and MacKay C. 1997. Allocating Responsibility for Releases To Groundwater. Michigan Lawyers Weekly.

Sklash, M. 1997. Runoff generation investigations using  $^{18}\text{O}$  and  $^2\text{H}$ , cold season/cold regions. Invited paper in: ISOBALANCE, An International Workshop On Application Of Stable Isotopes In Water Balance Studies. National Hydrology Research Institute, Environment Canada. Saskatoon, Saskatchewan (preprint)

Holder-Franklin M, Jagger Hims Consulting Engineers, and Sklash MG. 1996. Microbiological Indicators for Assessing Hydraulic Connection in Buried High Permeability Zones at Waste Disposal Sites. Ontario Ministry of Environment and Energy

Sklash MG, Beven K, Darling G, and Gilman K. 1996. Isotope studies of pipeflow at Plynlimon, Wales, U.K., Hydrological Processes, 921-944

Dragun J, Barkach JH, and Sklash M. 1995. Transport and transformation of chemicals in soil systems: 1995 research needs. Chapter 4 in Hydrocarbon Contaminated Soils Volume V. ASP, Amherst, Massachusetts, 31-36

## Professional Publications (cont'd)

Huang M, Sklash M, Biswas N, and Henderson, W. 1995. Assessment of old and subsurface water contributions to storm runoff generation in flat, fractured clayey terrain. 1995 Annual Conference of the Canadian Society for Civil Engineering, Ottawa, Ontario, June 1-3, 1995, 369-378

Kendall C, Sklash MG, and Bullen TD. 1995. Isotope Tracers of Water and Solute Sources in Catchments. Chapter 10 in Solute Modelling in Catchment Systems, (S.T. Trudgill, ed.), John Wiley and Sons Ltd., Sussex, England, 261-303

Chekiri K, Sklash M, Biswas N, and Morris T. 1993. Assessing recharge rates through thick clayey overburden using environmental isotopes. 1993 Annual Conference of the Canadian Society for Civil Engineering, Fredericton, New Brunswick, June 9-12, 1993, 383-392

Huang M, Sklash M, and Biswas N. 1993. Contributions of old water to storm runoff in flat, fractured clay terrain. 1993 Annual Conference of the Canadian Society of Civil Engineering, Fredericton, New Brunswick, June 9-12, 1993, 365-374

Turner J, Rosen M, Milligan N, Sklash M, and Townley L. 1993. Groundwater recharge studies in the Kalgoorlie region. Minerals and Energy Research Institute of Western Australia, Report No. 98, 249 pp

Sklash MG, Ainslie AM, Ibrahim OA, and Chekiri K. 1992. Is there rapid recharge through 30 m of clayey till in Essex County, Ontario, Canada. Invited paper in 1992 International Association of Hydrogeologists Conference: Modern Trends in Hydrogeology. Hamilton, Ontario, 461-467

Turner JV, Townley LR, Rosen MR, and Sklash MG. 1992. Coupling the spatial distribution of solute concentration and stable isotope enrichments to hydrologic processes in a hypersaline paleochannel aquifer - salt lake systems of the eastern Yilgarn, Western Australia. Seventh International Symposium on Water-Rock Interaction, Park City, Utah, July 13-18, 1992, p. 5

Sklash MG and Ainslie AM. 1991. The use of environmental isotope surveys in assessing contamination potential for 'confined' aquifers. IN Proceedings, Environmental Research, 1991 Technology Transfer Conference, Ontario Ministry of the Environment, Toronto, Ontario, Volume II, November 1991, 641-648

Sklash MG, Chiasson AD, and Mason SA. 1991. Assessing groundwater movement using environmental isotopes. IN Proceedings of Gen Sem '91, 9th Annual Industrial Waste Generators' Seminar, Liquid and Solid Industrial Control Association, Dearborn, Michigan, September 1991, 85-90

Sklash MG and Ibrahim OA. 1991. Grant 389: Hydrogeological Implications of Buried Eskers in Essex County, Ontario: Results from Year 1. IN Geoscience Research Grant Program, Summary of Research, 1990-91, Ontario Geological Survey Miscellaneous Paper, 156:131-146

## **Professional Publications (cont'd)**

Sklash MG and Mwangi MP. 1991. An isotopic investigation of groundwater supplies in the Eastern Province of Kenya. Journal of Hydrology 128:257-275

Sklash MG, Moore ID, and Burch GJ. 1990. Environmental isotope tracer studies of catchment processes: tools for verifying integrated water quality models. Invited paper in International Symposium on Water Quality Modeling of Agricultural Non-point Sources. USDA, 460-478

Sklash MG. 1990. Environmental isotope studies of storm and snowmelt runoff generation. Chapter 12 in Process Studies in Hillslope Hydrology, (MG Anderson and TP Burt, ed.), John Wiley and Sons Ltd., Sussex, England, 401-435

Balsdon JT and Sklash MG. 1990. Environmental isotope and geochemical study of landfill leachate migration. IN Symposium on Ground-Water Contamination, Environment Canada, Saskatoon, June 1989