

*Dr Greg Partington Curriculum Vitae*

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Objective	Continue to broaden research and management experience to grow Kenex as a business.
Strengths	<ul style="list-style-type: none"> <li>▪ Twenty six years experience in the Mineral Industry.</li> <li>▪ Proven exploration discovery and development record.</li> <li>▪ Eighteen Years Management experience.</li> <li>▪ Experience in business development and management.</li> <li>▪ Nine years executive management experience with rapidly growing and changing companies.</li> <li>▪ Developed strong management and business strategic skills particularly related to company growth.</li> <li>▪ Management experience in different conditions and cultures, having worked in five different countries and five States in Australia.</li> <li>▪ Good team builder and manager.</li> <li>▪ Proven ability to develop and manage budgets.</li> <li>▪ Nine years financial analysis and business development experience.</li> <li>▪ Proven research and development record.</li> <li>▪ Twelve years experience in compiling and presenting corporate reports to stakeholders and corporate statutory bodies.</li> <li>▪ Twelve years experience in presenting budgets and results to statutory bodies at state and commonwealth level.</li> <li>▪ Experienced negotiator, including local land access with indigenous landholders and commercial joint-venture agreements.</li> <li>▪ Highly motivated with the ability to learn new skills quickly.</li> <li>▪ Twelve years experience in work safety, environmental and occupational health issues.</li> <li>▪ Four years experience managing Kenex, which has doubled revenue every six months since start-up.</li> </ul>
Summary of	<ul style="list-style-type: none"> <li>▪ ADP30, London Business School Accelerated Development Program.</li> </ul>

qualifications	<ul style="list-style-type: none"> <li>▪ Ph.D., University of WA, Economic Geology.</li> <li>▪ B.Sc. Hons., University of St Andrews, Geology.</li> </ul>
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Professional experience	<ul style="list-style-type: none"> <li>▪ 2002–Present      Kenex Knowledge Systems, Wellington, New Zealand.</li> <li>▪ <b>Managing Director</b></li> <li>▪ Started GIS management and exploration development company, focussing on delivering and adding value to earth science digital data and knowledge.</li> <li>▪ Company has successfully completed four years of operation now employing 10 full time and part time staff.</li> <li>▪ The company has been profitable for the last three years.</li> <li>▪ Attracted clients from within New Zealand and overseas and retained significant equity in three new projects.</li> <li>▪ Working in eight locations around the world.</li> <li>▪ Responsible for developing and managing our clients businesses using GIS tools including prospectivity modelling.</li> <li>▪ Also responsible for R&amp;D into developing new techniques and tools to advance the use of spatial modelling in the earth sciences.</li> <li>▪ Responsible for new product development including delivery of GIS over the Web.</li> <li>▪ See <a href="http://www.kenex.co.nz">www.kenex.co.nz</a> for more information.</li> </ul>
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Professional experience	<ul style="list-style-type: none"> <li>▪ 2000–2002      Institute of Geological and Nuclear Sciences Wellington, New Zealand.</li> <li>▪ <b>Section Manager Mapping</b></li> <li>▪ Responsible for a team of twenty Geoscientists.</li> <li>▪ The position reports to the Group Manager.</li> <li>▪ The section has a turnover of over \$2.5m annually, and one of the main functions of the role is to maintain profitability and make sure the section operates within budget.</li> <li>▪ Responsible for compiling monthly financial and project reporting.</li> <li>▪ Responsible for developing, negotiating and managing commercial projects for the section.</li> <li>▪ Important team leadership role, with an emphasis on developing individuals scientific capabilities.</li> <li>▪ The role requires an understanding of the scientific aspects of the business in relation to the business management and growth of the commercial goals of the company.</li> <li>▪ The position requires a high degree strategic planning, with respect to developing commercial alliances with similar consultancy groups in New Zealand and internationally.</li> </ul>
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	<ul style="list-style-type: none"> <li>▪ 1997–2000            Ross Mining NL, Brisbane, Qld, Australia.</li>   <li>▪ <b>General Manager Exploration</b></li> <li>▪ Managed a team of forty geoscientists and field technicians at three project locations in Australia and the Solomon Islands, reporting directly to the CEO and Board of Directors.</li> <li>▪ Initiated and managed a Technical Services Group, providing a link between exploration and operations, with skills to take projects from initial development through financial modelling to feasibility.</li> <li>▪ Managed the exploration team that increased the size of the company to three operations and increased gold production to 200,000 ounces pa.</li> <li>▪ Developed and managed budgets of between A\$6 and A\$7 million.</li> <li>▪ Increased gold reserves from one million to two million ounces of gold at a cost of less than A\$8 per ounce, a value of A\$200 million.</li> <li>▪ Responsible for negotiating and managing land access, joint venture and farm-in agreements.</li> <li>▪ Responsible for compiling and presenting corporate reports to stake holders and corporate statutory bodies.</li> <li>▪ Major input into Company’s business plan and strategies.</li> <li>▪ Introduced new computer technologies and GIS systems that increased exploration success and lifted gold production.</li> <li>▪ Managed teams carrying out feasibility studies, project management and financial analysis of business opportunities.</li> </ul>
	<p>1988–1997            Northern Gold NL, Adelaide River, NT, Australia.</p> <p><b>Exploration Manager</b></p> <ul style="list-style-type: none"> <li>▪ Responsible for the management of all operations in the Northern Territory and reported directly to the Operations Director and Managing Director.</li> <li>▪ Formed and led a team of 15 people, including five geoscientists and field technicians.</li> <li>▪ Took the Company from a grass-roots explorer to having a resource base of 1.5 million ounces of gold.</li> <li>▪ Responsible for increasing the market capitalisation of the Company by more than 400%.</li> <li>▪ Responsible for successful negotiations with joint venture partners and aboriginal groups for land access.</li> <li>▪ Presented and compiled corporate reports to stake holders and</li> </ul>

	<p>corporate bodies.</p> <ul style="list-style-type: none"> <li>▪ Created digital regional and prospect scale geological maps for GIS development.</li> <li>▪ Developed corporate GIS and databases.</li> <li>▪ Developed and managed annual budgets that increased from \$500,000 per annum to \$4,500,000 per annum as resource development continued.</li> </ul>
	<p>1986–1988                      Pancontinental Mining, Perth, WA, Australia.</p> <p><b>Structural Geological Consultant</b></p> <ul style="list-style-type: none"> <li>▪ Provided company-wide advice on structural geology, reporting to the District Manager.</li> <li>▪ Worked on all the Company's projects including gold exploration in Western Australia, platinum exploration in New Guinea and tantalum exploration in northern Australia.</li> <li>▪ Consulted on regional and prospect scale mapping for various project groups within the company.</li> <li>▪ Introduced new technology and concepts to the Company.</li> <li>▪ Part of the team that discovered and developed the second largest tantalum deposit in Australia</li> </ul>
	<p>1986–1986                      Forsayth Mining, Perth, WA, Australia.</p> <p><b>Structural Geological Consultant</b></p> <ul style="list-style-type: none"> <li>▪ Provided company-wide advice on structural geology, reporting to the Mine Manager.</li> <li>▪ Developed new concepts that led to the discovery and acquisition of several new gold resources.</li> <li>▪ Provided new insights into the geology of the area.</li> </ul>
	<p>1982–1983                      Forrestfield Ltd., Rossarden, Tasmania, Australia.</p> <p><b>Mine Geologist</b></p> <ul style="list-style-type: none"> <li>▪ Responsible for geological aspects of mine production, reporting to Mine Manager.</li> <li>▪ Provided underground mine geology maps for production purposes.</li> <li>▪ Developed exploration initiative outside of mine area.</li> </ul>
	<p>1980–1982                      Western Mining Ltd., Laverton, WA,</p>

	<p>Australia.</p>
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**Mine Geologist**

- Responsible for geological aspects of mine production, reporting to Mine Manager.
- Part of the team that re-opened the Lancefield Mine.
- Helped manage the first successful trial of an opencut operation for gold mining in Western Australia

Education	<p>1999 - 1999                      London Business School, London, UK.</p> <p><b>ADP 30</b></p> <ul style="list-style-type: none"> <li>▪ Successfully completed the accelerated development program.</li> <li>▪ Subjects covered included financial management and analysis, corporate and operational strategy, corporate organisation, human competency and operational management.</li> <li>▪ The course bridged the gap between general management and executive management.</li> </ul>
	<p>1983 - 1986                      University of WA, Perth, WA, Australia.</p> <p><b>Ph.D. Economic Geology</b></p> <ul style="list-style-type: none"> <li>▪ Thesis titled "The Metamorphic and Structural Evolution of the Greenbushes Pegmatite Group".</li> <li>▪ Research focussed on structural controls on mineralisation in relation to fluid flow in fault zones.</li> <li>▪ Project involved regional and mine camp scale geological mapping and detailed underground mapping.</li> <li>▪ Multi-disciplinary approach integrating several databases, using new computing tools.</li> <li>▪ Developed computing and writing skills.</li> <li>▪ Published four papers from the thesis.</li> </ul>
	<p>1976 - 1980                      University of St Andrews, St Andrews, UK.</p> <p><b>B.Sc. Hons. Geology</b></p> <ul style="list-style-type: none"> <li>▪ Honors thesis titled " A Microscopic Investigation of a Series of Ag-Pb-Zn-Cu Veins from the Ochil Hills in Central Scotland"</li> <li>▪ Mapping projects completed in various parts of Scotland, England and Portugal.</li> <li>▪ Other subjects taken during the degree included economics, statistics and geography.</li> </ul>
Professional memberships	<p>20 Year Member of the AusIMM</p> <p>Member of the Geological Society of Australia</p> <p>Member of the Australian Institute of Geology</p>

Additional professional activities	<p>Remain active in geological research, and published more than twenty research papers. (See attached).</p> <p>Presented a short course in Proterozoic Gold Deposits at the University of Western Australia.</p> <p>Invited and presented a similar course to the Society of Economic geologists in America in 2000.</p> <p>Invited to present and chair a session at the Fifth International Symposium for Mineral Exploration in Brisbane 1998.</p> <p>Invited to present at AGSO biannual GIS in exploration conference 1999.</p> <p>Invited to present at the AIG computers in Exploration and Mining conference in Brisbane 1999.</p> <p>Edited various papers for Journal of Economic Geology and AJES</p>
Accreditation	<p>Recognised by the AusIMM and AIG as a Competent Person to report to the Australian Stock Exchange.</p>
References	<p>On request.</p>
Additional Information	<p>Beilby Management Services Personal Assessment Report (see attached)</p> <p>Valid Australian Passport.</p> <p>Proficient in all aspects of computers and low level programming, especially spreadsheets, word processing, geographic information systems, statistics and geological analytical software.</p>
Interests and activities	<p>Remain physically active playing soccer, running and wave ski surfing. Interested in rugby, golf, squash, computer programming and reading. Active member of local geological societies and various local sporting club committees.</p>

## Research Papers

Bettenay, L.F., Groves, D. I., and Partington, G.A., 1985. Development of exploration concepts for Sn-Ta pegmatites: use of host-rock associations and alteration halos. West. Aust. Min. Petrol. Res. Inst. Rep., 13, pp. 1-171.

Bettenay, L.F., Partington, G.A., and Groves, D. I., 1986. Nature and emplacement of the giant rare-metal Greenbushes pegmatite, at Greenbushes, Western Australia: In Proceedings of the Seventh Quadrennial IAGOD Symposium. E Schweizerbart'sche Verlagsbuchhandlung, Stuttgart, Germany.

Partington, G.A. 1986. The tectonic controls on the intrusion of specialised pegmatites in the Greenbushes Pegmatite District, Western Australia. Bur. Min. Res. Rec., 1986/10, pp. 53-54.

Partington, G.A., McNaughton, N.J., Kepert, D.A., Compston, W., and Williams, I.S., 1986. Geochronology of the Balingup Metamorphic Belt: constraints on the temporal evolution of the Greenbushes Pegmatite District: Bur. Mineral. Res. Rec., v. 1986/10, p. 55-56.

Partington, G., A., 1987. The tectonic environments of gold deposition and intrusion of rare-metal pegmatites: implications for Au, Sn and Ta exploration in the Yilgarn Block, Western Australia. In Ho, S., E., and Groves, D., I., (eds.), Recent advances in understanding Precambrian Gold Deposits. Geol. Dept. & Univ. Extension, Univ. Western Australia, Publ. 11, pp. 67-83.

McNaughton, N.J., Partington, G.A., Seet, L.H., and Kepert, D.A., 1988. Craton margin tectonics and the origin of Sn-Ta pegmatites in the SW Yilgarn Block: The Pb isotope approach. In Abstracts 9th Australian Geological Convention, Brisbane.

Vearncombe, J.R., Barely, M.E., Eisenlohr, B., Grigson, M.W., Groves, D.I., Houston, S.M., Partington, G.A., and Swarnecki, M.S., 1988. Structural controls on gold mineralisation: examples from the Archaean terranes of Western Australia and southern Africa. In Bicentennial Gold'88 Extended Abstracts, Oral Program, Geol. Soc. Aust. Abstracts pp 22, 19-23.

Eisenlohr, B., Groves, D.I. and Partington G.A., 1989. Crustal-scale shear zones and their significance to Archaean gold mineralisation in Western Australia. *Mineralium Deposita* 24, pp. 1-8.

Vearncombe, J.R., Barely, M.E., Eisenlohr, B., Grigson, M.W., Groves, D.I., Houston, S.M., Partington, G.A., and Swarnecki, M.S., 1989. Structural controls on mesothermal gold mineralisation: examples from the Archaean terranes of southern Africa and Western Australia. In *Economic Geology Monograph 6, The Geology of Gold Deposits: The perspective in 1988*. pp. 124-134.

Partington, G.A., 1990. Geology of the south west Yilgarn and Greenbushes Pegmatite Group. In Ho, S.E., Glover, J.E, Myres, J.S., and Muhling J.R. (eds.) *Third International Archaean Symposium, Excursion Guidebook*, Geol. Dept. and Univ. Extension, Univ West. Aust., Publ. 21, pp. 123-144.

Partington, G.A., 1990. Environment and structural controls on the intrusion of the giant rare-metal Greenbushes pegmatite, Western Australia. *Econ. Geol.*, v 85, p p. 437-456.

Partington, G.A., 1990. A comparison between Archaean gold deposits and Lower Proterozoic gold deposits (Pine Creek geosyncline): controls on mineralisation. In *Geol. Soc. Aus. Abstracts No. 25*. pp. 155-156.

Partington, G.A., Cooper, W.C., and Stokes, M.A., 1994. Contrasting styles of mineralisation from the Western Arm and Bridge Creek deposits, and their relevance to regional exploration in the Pine Creek Geosyncline, Northern Territory. In *Proceedings The AusIMM Darwin Conference 1994*, pp. 45-49.

Partington, G.A, McNaughton N.J., and Williams I.S., 1995. A review of the geology, mineralisation and geochronology of the Greenbushes Pegmatite, Western Australia. *Econ. Geol.*, v 90, pp. 616-635.

Klominsky, J, Partington, G.A., McNaughton, N.J., Ho, S. E., and Groves, D.I., 1996. Radiothermal granites of the Cullen Batholith and associated mineralisation (N.T. Australia). *Czech Geological Survey Special Papers No 5, Czech Geological Survey Prague*, 44p.

Partington, G.A, and McNaughton N.J., 1997. Controls on mineralisation in the Howley District, Northern Australia. In *Precambrian Mesothermal/Late-Orogenic Gold Deposits, Short Course Notes, January 1997, University of Western Australia Key Centre for Teaching and Research in Strategic Mineral Deposits*.

Partington, G.A, and McNaughton N.J., 1997. Controls on mineralisation in the Howley District, Northern Australia: a link between granite intrusion and gold mineralisation. *Recherche Miniere*, v 529, pp. 25-44.

Mustard R., Partington G.A., Nielsen R., and Mitchell D.S., 1998. Disseminated granite hosted gold deposits at Timbarra, northern New South Wales. In *Geological Society of Australia, Abstracts No. 49*, pp. 333.

Partington, G.A., 1998. Geology, resource modelling and optimisation: reducing risk in exploration and development – The Ross Mining Experience. In *Fifth International Symposium for Mineral Exploration, Brisbane, Abstracts*, pp. 23.

Mustard R., Partington G.A., Nielsen R., and Mitchell D.S., 1999. Disseminated granite hosted gold deposits at Timbarra, northern New South Wales. In *New England Orogen, Abstracts No. 49*.

Partington, G.A., 1999. Database management and GIS: practical considerations and use in the exploration industry. In *Fourth National Forum on Information Management and GIS in the Geosciences. AGSO Record 1999/24*, pp 177-187.

Partington, G.A., 1999. Drummond Basin Prospectivity Mapping. In Australian Institute Of Geoscientists Journal, Knowledge Management and Integration – from the field geologist to the corporate database, AIG CIMEE3, pp 1-11.

Partington G. A., 2000. Mineral Exploration in the Drummond Basin North Queensland, Using Spatial Analysis in a GIS. In Proceedings of the Spatial Information Research Centre's 12th Colloquium, The University of Otago, Dunedin, New Zealand, SIRC 2000, pp 141-148.

Partington G. A. and Williams, P.J., 2000. Proterozoic lode gold and (iron)-copper-gold deposits: A comparison of Australian and global examples. In Reviews In Economic Geology, eds. Hagemann, S.G. and Brown, E.B., SEG Reviews, Vol. 13, pp 69-101.

G. A. Partington, A.B. Christie and S. C. Cox, 2001. Mineral Resource Assessment for the West Coast of New Zealand, Using Spatial Analysis in a GIS: A new Exploration Management and Land-use Management Tool. AusIMM NZ Branch 34<sup>th</sup> Annual 163.

G. A. Partington, and R. W. Smillie, 2002. A national-scale GIS and prospectivity models of mesothermal gold mineralisation in New Zealand. In Pmapsouth, a prospectivity model of the gold potential of the South Island of New Zealand. Published by Crown Minerals.

Partington, G A, Christie, A B, Cox, S C, Rattenbury, M, Smillie, R and Stigley P, 2002. Prospectivity modelling for mesothermal gold in New Zealand using spatial analysis in GIS, Australasian Institute of Mining and Metallurgy Conference Volume, pp 123-128 (Annual Conference, Auckland).

Rattenbury, M and Partington, G A, 2003. Prospectivity models and GIS data for the exploration of epithermal gold mineralisation in New Zealand, in *Epithermal Gold in New Zealand GIS Data Package and Prospectivity Modelling*, 68 p (Crown Minerals, Ministry of Commerce New Zealand).

G. A. Partington, 2004. New Exploration in NZ Stimulated by the Crown Minerals Prospectivity Modelling Studies for Gold. *Australasian Institute of Mining and Metallurgy Conference Volume*, pp 191-201 (37 Annual Conference, Nelson).

G. A. Partington, and M. J. Sale, 2004. Prospectivity Mapping Using GIS With Publicly Available Earth Science Data — A New Targeting Tool Being Successfully Used for Exploration in New Zealand. *Australasian Institute of Mining and Metallurgy Pacrim 2004 Congress Volume*, pp 239-250 (Adelaide).

Mustard R., Blenkinsop, T., McKeagney, C., Huddleston-Holmes, C. and Partington, G., 2004. New Perspectives on IOCG deposits, Mt Isa Eastern Succession, northwest Queensland. *SEG 2004: Predictive Mineral Discovery Under Cover Conference Volume*, pp 281-284 (Perth, WA).

Partington, G., A., and Mustard, R., 2005, Granite Gold Mineral Systems in New Zealand: *Australasian Institute of Mining and Metallurgy Conference Volume*, New Zealand Branch Annual Conference, Auckland, p. 160-167.