



Career Summary

Dr Ian Hollingsworth has 31 years professional experience as a soil and landscape scientist. He established HORIZON Environmental Soil Survey & Evaluation with the objective of providing specialist, accredited services in soil assessment, mine rehabilitation, sustainable land development and management.

Ian has worked for established environmental consultants including Douglas Partners Pty Ltd (Senior Associate); URS (Manager and Principal Environmental Scientist, Environment Group); and EWL Sciences (Senior Environmental Scientist, Life Sciences Group) — leading strategic mine closure and rehabilitation planning at ERA Ranger uranium mine. This followed a career with CSIRO Land & Water undertaking studies of soil formation from mine spoil in the Bowen Basin, land use interaction with non-point source contamination of reservoirs, land capability mapping for the Bradshaw defence training area, and assessment of soil shrink-swell risks to optic fibre cable performance for Telstra.

Earlier in his career Mr Hollingsworth consulted to the Murray Darling Basin Commission on River Murray floodplain mapping and vegetation health management, was District Soil Conservationist (Cooma) for the NSW Soil Conservation Service, completed a crop zoning map for the Malaysian State of Sabah and undertook food crops development work in the Ok Tedi Development Area, Western Province, Papua New Guinea.

Qualifications

- PhD, University of Sydney, (Agriculture, Food & Natural Resources) 2010. Thesis on design for landscape restoration using natural analogues following open cast mining.
- Master of Rural Science (Soil Physics), University of New England, 1988. Thesis on compaction management in cultivated duplex soils.
- Diploma in Agricultural Science (Soil Science) University of New England, 1985. Thesis on pasture improvement effect on soil water balance.
- Diploma of Applied Science in Agriculture (Soil & Water Conservation), Hawkesbury Agricultural College (HAC), 1981. Benefactors Prize for Academic Excellence.

Mining Rehabilitation Projects

- ERA Ranger Mine final landform design for landscape restoration. Target habitat identification and assessment; water balance modelling; species distribution surveys and modelling; hydrochemical monitoring modelling; surface-groundwater interaction in the rehabilitated landscape
- Crocker Well conceptual closure plan, Sinosteel
- Blair Athol prefeasibility closure plan, landform rehabilitation chapter, Rio Tinto
- Yeelirrie Uranium Mine, conceptual closure plan, international expert panel member
- Bowen Basin Soil from Spoil Project



Environmental Impact Assessment

- 2012 Pacific Aluminium Gove site-based groundwater trigger level determination
- 2012 Pacific Aluminium Gove Refinery Groundwater Recovery System Optimisation
- 2012 Pacific Aluminium Gove Pond 9 due diligence biodiversity surveys
- 2012 Pacific Aluminium Gove Mineral Waste Management Plan
- 2011 RT Alcan Gove water management plan reporting
- 2011 RT Alcan Gove waste discharge licence reporting
- 2011 RT Alcan Gove Pond 8 Stage 2 Borrow area due diligence biodiversity surveys
- 2011 RT Alcan Gove Pond 8 Stage 2 approvals (EPBC Referral and NOI)
- 2011 RT Alcan Gove Notice of Intent (NOI) for proposed sewage treatment plant upgrade
- 2010-2012 Pacific Aluminium Gove statutory groundwater monitoring and reporting
- 2010 RT Alcan Gove Waste Water Neutralisation Plant Discharge Options Analysis
- 2010 RT Alcan Gove Pond 6 South Stage 2 approvals (EPBC Referral and NOI)
- 2010 INPEX Darwin LNG Plant EIS: Visual impact assessment, soil, geology and geomorphic impact; dredged sediment impact baseline surveys
- 2009 RT Alcan Gove Pond 8 NOI, Project Manager
- 2009 RT Alcan Gove Mine Management Plan, Project Director
- 2008 XSTRATA Zinc MRM water management plan report
- 2008 Princess Louise & North Point Gold Mines Mine Management Plans
- 2008 Maud Creek Gold Mine EIS, Project Manager
- 2007 XSTRATA Zinc MRM annual environmental report
- 2006 XSTRATA Zinc MRM Opencut EIS, review of the tailings dam remediation plan for the NT EPA
- 2006 Trans-Territory Gas Pipeline EIS, Surface and Groundwater Impact Assessment
- 2004 Christmas Island Phosphates, mine expansion
- 2001 Jabiluka EIS
- 2000-2007 ERA Ranger Mine. Environmental monitoring of reconstructed waste rock landforms – dissolved and suspended sediment loads
- 2000-2004 Bradshaw NATA Training Area land condition monitoring
- 2000 Bradshaw NATA Training Area EIS
- 1997 National Farm Forestry Project. Site quality assessment model for irrigated



hardwood production in Victoria, NSW and South Australia.

- 1996-1997 Land & Water, Canberra. Soil type and forestry management effects on Atrazine mobility and surface water contamination contaminant risks to reservoir catchments in the Adelaide Hills.
- 1995-1996 Site quality assessment model for *Pinus radiata* plantations. South Australian Department of Woods and Forests.
- 1994-1997 Land & Water, Canberra. Non-point source contaminant risks to reservoir catchments in the Adelaide Hills.
- 1992-1994 Land & Water, Canberra. Land management impacts on dissolved organic carbon loads in reservoir catchments in the Adelaide Hills.

Soil Surveys

- Sabah, Malaysia, crop zoning mapping
- Chowilla Anabranche, River Murray (SA)
- Cooma 1:100 000 map sheet (NSW)
- Warren reservoir catchment, Adelaide Hills (SA)
- Christmas Island land unit mapping (CI)
- Bradshaw North Australian Military Training Area, land capability mapping (NT)
- Tiwi Islands land unit and land capability mapping (NT)
- Jabiluka project land unit mapping (NT)
- Styx South Project strategic cropping land mapping (QLD)
- Telstra optic fibre cable trunk network soil constraints mapping (QLD, NSW, VIC, SA)

Courses

2011 Lead Environmental Audit Training – SAI Global
 2011 Environmental Audit Training – SAI Global
 2010 Senior First Aid – St Johns Ambulance
 2009 URS Project Management Certification
 2007 Rio Tinto team leadership, team membership – Rio Tinto, Robertson Consultants
 2007 Rio Tinto Team Leadership Team Membership
 1997 Water Quality Trend Analysis – Sydney Water.
 1996 AWBM Catchment Water Balance Modelling – CRC for Catchment Hydrology, University of Melbourne, Melbourne, Vic.
 1995 Pattern Analysis of ecological data, CSIRO Wildlife & Ecology
 1995 Groundwater School, Centre for Groundwater Studies, Adelaide
 1995 Digital Terrain Analysis – Australian Collaborative Land Evaluation Program.
 1994 USDA Soil Taxonomy – CRC Land Management.

Registrations



- Certified Practicing Soil Scientist (Level 3) – Leading professional
- Certified Environmental Practitioner
- Member AusIMM.

Appointments

• National Soils R&D Strategy Committee, consulting sector representative • Member, Darwin City Council Climate Change and Environment Advisory Committee • Former member Australian Soil Science Society, Certified Practicing Soil Scientist Accreditation Board • President Environment Institute of Australia & NZ, Northern Territory Branch

Field of Special Competence

Soil, water and land capability assessment and environmental approvals with specialist capabilities including: • site quality assessment for forestry • soil survey • land capability assessment for agriculture and subdivision • land condition monitoring • sediment & erosion control plans • clearing management plans • irrigated soil management • mine landform design for ecosystem reconstruction • contaminated soil survey and remediation planning • mine waste cover design and monitoring • low impact uranium mine closure planning • visual impact assessment • acid sulfate soil risk and management • groundwater contamination monitoring • catchment monitoring & management • project management • environmental compliance audits.

Professional Affiliations

Member AusIMM, Member, Soil Science Society Australia • Member, International Soil Science Society • Member, Environment Institute of Australia

Professional History

- SLR, Land resources technical leader
- HORIZON Environmental Soil Survey, & Evaluation, Sole Operator, 2009-2012
- Douglas Partners Pty Ltd, Senior Associate, 2009-2010
- URS Principal Environmental Scientist and Environment Manager, 2007-2009
- Earth-Water-Life Sciences Pty Ltd, Senior Soil Scientist, 1997-2007
- CSIRO, Division of Land & Water, Experimental Scientist, 1990-1997
- Soil Conservation NSW, Soil Extension Officer and Soil Surveyor, 1989-1990
- Murray Darling Basin Commission, Soil Surveyor Consultant, 1988-1989
- Sabah Department of Primary Industry, Soil Surveyor, 1989
- University of New England, Research Fellow, 1987-1988
- University of New England, Research Officer. 1985-1987
- Department of Mines and Energy (PNG), Food Crops Agronomist, 1981-1983
- Department of Primary Industries (PNG), Laboratory Technician, 1978



Publications & Presentations

Conference Proceedings (18)

- 2012 Hollingsworth, I.D. 2012. Caustic impacted groundwater, characterisation and management. Ecoforum 2012. 5th ALGA Conference 7-9th March. Sydney Technology Park, Darlinghurst.
- 2011 Hollingsworth, I.D. 2011. Applying Digital Terrain Analysis Methods for Environmental Assessment Douglas Partners Technical Workshop, University of Sydney 11-14 February.
- 2010 Hollingsworth, I.D., Odeh I, Bui E and Ludwig J 2010. Mine landform design and environmental evaluation. 19th World Congress of Soil Science, Soil Solutions for a Changing World 1 – 6 August 2010, Brisbane, Australia. Published on CDROM
- 2010 Hollingsworth, I.D. 2010. Designing landforms to support biodiversity. Australian Institute of Mining and Metallurgy (AUSIMM) International Uranium Conference, Adelaide Convention Centre July 2010
- 2009 Hollingsworth, I.D. and Odeh, I. 2009. Simulation and assessment of mine landscape reconstruction using analogue landform and environmental design criteria. ICECS 2nd International Conference on Environmental and Computer Science. 28-30 December 2009.
- 2008 Hollingsworth, I.D. and Milnes, A. 2008. Planning for closure at ERA Ranger mine – a collaborative approach to landscape reconstruction. Minerals Council of Australia SD08 – Solutions through Collaboration, Sustainable Development Conference, Darwin Convention Centre,
- 2008 Hollingsworth, I.D. 2008. Christmas Island (Indian Ocean) Soils and Land Units. ASSSI/NZSSS Soil Science Biennial Conference: Soils the Living Skin.
- 2007 Hollingsworth, ID, Odeh, I, Bui, E, Croton, J (2007) Planning for closure at Ranger Mine – Ecological restoration using landscape analogues. Proceedings des Internationalen Bergbausymposiums WISMUT 2007. Gera, 10.-12 September 2007.
- 2005 Hollingsworth, ID (2005) Impacts from waste rock stockpiles and ERA Ranger mine and their rehabilitation. 4th Sprigg Symposium. Uranium: Exploration, Deposits, Mines and Minewaste Disposal Geology, Geological Society of Australia. Adelaide, 1st - 2nd December 2005.
- 2004 Milnes, AR, Hollingsworth, ID, Puhlovich, A and Jones, DR 2004. Rehabilitation of mine landscapes to National Park status: scientific and social challenges in tropical North Australia. In Abstracts Joint International Geomorphology Conference, 18-20 August 2004, Glasgow, UK. P. 69.
- 2000 Puhlovich, A, Hollingsworth, I D & Jones, D R (2000) Assessment of surface water, infiltration and salt movement, rehabilitation of a decommissioned tailings storage facility, Pine Creek Gold Mine, NT, Australia. In 'Interactive Hydrology'. Proceedings of 26th National and 3rd International Hydrology and Water Resources Symposium, The Institution of Engineers, Australia. 20-23 November 2000, Perth, WA. 6pp.
- 2000 Hollingsworth, I D (2000) Leachable nitrogen in a seasonally dry tropical environment at Jabiluka. 'Soil 2000', NZSSS/ASSSI Conference, Canterbury, NZ, December 2000.
- 2000 Hollingsworth, I D & SPAIN, A (2000) Soil from spoil: a case study from Oaky Creek Coal Mine, Bowen Basin, Qld, Australia. In Proceedings of the Third AMEEF Innovation Conference "On the Threshold: Research into Practice", Brisbane, Queensland, 15-17 August 2000. 22-40.
- 1998 Hollingsworth, I.D. 1988. Soil Horizon Mixing and Compaction Management of Trangie Red-brown earth. Poster paper, Australian Society of Soil Science, National Conference, 1988.
- 1996 Kookana, R., Taylor, P. and Hollingsworth, I.D. 1996. Sorption and degradation of atrazine with depth in soils from a forested catchment of South Australia. p171-172 1st International Conference - Contaminants and the Soil Environment - Extended Abstracts, February '96, Adelaide, Australia
- 1996 Hollingsworth, I.D., Kookana, R.S. and Boardman, R. 1996. Atrazine movement by soil water drainage into streams during establishment of Pinus Radiata (D. Don) plantations. p169-170 1st International Conference - Contaminants and the Soil Environment - Extended Abstracts, February '96, Adelaide, Australia.
- 1995 Kookana, R., Taylor, P. and Hollingsworth, I.D. 1995. An assessment of groundwater pollution potential of atrazine in a forest catchment of South Australia. Asia-Pacific workshop on pesticides. Singapore 5-8 June.
- 1994 Hollingsworth, I.D., Cox, J.W. and Fitzpatrick, R.W. 1994. Warren Reservoir Catchment Studies: Stream Gradient and Stream Water Salinity. Proceedings 25th Congress of the International Association of Hydrogeologists. Adelaide 21st-25th November.
- 1992 Jolly, I.D.; Walker, G.R.; Hollingsworth, I.D. and Thorburn, P.J. 1992. The cause of black box decline in



- the Chowilla anabranch region, South Australia and possible ameliorative approaches. Proceedings of the Greening Australia Conference 1992. Adelaide.
- 1992 Hollingsworth, I.D.; Fitzpatrick, R.W. and Naidu, R. 1992. Warren Reservoir catchment studies: soil distribution and stream water quality. Poster Paper ASSI 4th National Soils Conference, Soil Protection and Productivity. Adelaide, S.A. 19th-23rd April 1992.
- 1992 Hollingsworth, I.D.; Fitzpatrick, R.W. 1992. The nature and occurrence of a duripan in an Aquic Durixeralf - Duraqualf toposequence. Proceedings of the (10th International Working Meeting on Soil Micromorphology).
- 1992 Herrmann, T.; Buckerfield, J. and Hollingsworth, I. D. 1992. Lower North, Barossa Valley and Mt Crawford, South Australia Mid conference Tour Guide. ASSSI 4th National Soils Conference, Soil Protection and Productivity. Adelaide, S.A. 19th-23rd April 1992.
- 1988 Perrens, S. and Hollingsworth, I.D. 1988. A Productivity Index Model for Quantifying the Cost of Soil Degradation. Australian Institution of Engineers, Agricultural Engineering Conference, 1988.

Refereed Publications (11)

- 2010 Hollingsworth, I.D. 2010. Mine Landform Design Using Natural Analogues. Ph.D University of Sydney, Faculty of Agriculture, Food and Natural Resources,
- 2009 Hollingsworth, I.D. and Odeh, I. 2009. Simulation and assessment of mine landscape reconstruction using analogue landform and environmental design criteria. ICECS 2nd International Conference on Environmental and Computer Science. 28-30 December 2009.
- 2008 Hollingsworth ID (2008) Designing landforms to restore biodiversity. Low Impact Uranium Mining (eds. A Jakubick, IAEA- TECDOC-0816, IAEA, Vienna (2008).
- 2007 Hollingsworth, ID, Odeh, I, Bui, E, Croton, J (2007) Planning for closure at Ranger Mine – Ecological restoration using landscape analogues. Proceedings des Internationalen Bergbausymposiums WISMUT 2007. p543-550. Stilllegung und Revitalisierung von Bergbaustandorten zur nachhaltigen Regionalentwicklung. Gera, 10.-12 September 2007 (ed. M. Paul, P Mattig, H Metzner)
- 2007 Hollingsworth ID, I Odeh, E Bui and P MacLeod (2007) "Rule Based Land Unit Mapping in "Digital Soil Mapping: an Introductory perspective" Ed. Lagacherie, P., McBratney A.B., Voltz, M. Chapter 29. Developments in Soil Science, vol 31. Elsevier Amsterdam.
- 1996 Naidu, R., de Lacy, N.J., Hollingsworth, ID and Fitzpatrick, R.W. Seasonal changes of iron and dissolved organic carbon concentrations in streams in the Warren Catchment, South Australia. In: Australian Sodic Soils Distribution, properties and management. p185-190. Editors: R. Naidu, M.E. Sumner and P. Rengasamy. (CSIRO: Australia).
- 1996 Hollingsworth, I.D., Fitzpatrick, R.W. and Hudnall, W.H. 1996. Distribution and Properties of Soil in an Experimental Subcatchment with Altered Soil Water Regimes near Cooke Plains, South Australia. CSIRO Division of Soils Divisional Report 126. 42p.
- 1996 Hollingsworth, I.D., Boardman, R. and Fitzpatrick, R. 1996. A soil-site evaluation index of productivity in intensively managed *Pinus Radiata* (D.Don) plantations in South Australia. Environmental Monitoring and Assessment 39: 531-541.
- 1994 Hollingsworth, I.D. and Fitzpatrick, R.W. 1994. Nature and origin of a duripan in a Durixeralf-Duraqualf toposequence: micromorphological aspects. In: A.J. Ringrose-Voase and G.S. Humphreys (Editors), Soil Micromorphology: Studies in Management and Genesis. Proc. IX Int. Working Meeting on Soil Micromorphology, Townsville, Australia, July 1992. Developments in Soil Science 22, Elsevier, Amsterdam, pp. 835-844.
- 1994 Fitzpatrick, R.F., Cox, J.W., Fritsch, E. and Hollingsworth, I.D. 1994. A soil-diagnostic key to manage saline and waterlogged catchments in the Mt Lofty Ranges, South Australia. Soil Use and Management 10: 145-152.
- 1993 Naidu, R.; Williamson, D.R.; Fitzpatrick, R.W. and Hollingsworth, I.D. 1993. Effect of landuse on the composition of throughflow water immediately above clayey B horizons in the Warren Catchment, South Australia. Aust. J. of Exp. Agric. 33:239-244.

Industry Seminars & Workshops (20)

- 2009 Hollingsworth, I.D., I. Odeh, J. Ludwig, E. Bui. 2009. Ecological design of mine landforms – developing best practice at ERA Ranger Mine. Australian Institute of Mining and Metallurgy. International Uranium Conference. Darwin Convention Centre. 10-11 June 2009.
- 2006 Lowry, J; Evans, K; Moliere, D; Hollingsworth, ID (2006) Assessing landscape reconstruction at Ranger Mine using landform evolution modelling. Proceedings 1st International Workshop on Mine Closure. Sept 11-15th Sheraton Perth. (ed. A Fourie & M Tippett)
- 2006 Hollingsworth, ID, Croton, J, Odeh, I, Bui, E (2006) Landscape reconstruction using analogues at Ranger Mine, NT Australia. Proceedings 1st International Workshop on Mine Closure. Sept 11-15th Sheraton Perth. (ed. A Fourie & M Tippett)



- 2005 Humphrey, C, Hollingsworth, I & Fox G (2005) Development of predictive habitat suitability models of biological communities in aquatic and terrestrial ecosystems. 16th Alligator Rivers Region Technical Committee Workshop, September 2005
- 2005 Hollingsworth, ID and Lowry, J (2005) Landscape reconstruction at Ranger Mine. NARGIS Conference, Aug 25-26th Darwin, NT.
- 2005 Hollingsworth, ID (2005) Using natural analogues for final landform design. Alligator Rivers Region Technical Committee Workshop, 14-15th September 2004
- 2005 Hollingsworth, ID (2005) Mine closure criteria. Alligator Rivers Region Technical Committee Workshop, 10-11th March 2005
- 2005 Hollingsworth, ID (2005) Impacts from waste rock stockpiles and ERA Ranger mine and their rehabilitation. 4th Sprigg Symposium. Uranium: Exploration, Deposits, Mines and Minewaste Disposal Geology, Geological Society of Australia. Adelaide, 1st - 2nd December 2005.
- 2004 Hollingsworth ID, Bui EN, Odeh IOA and McLeod P (2004) Rule-based land unit mapping of the Tiwi Islands. International Union of Soil Science Global Workshop on Digital Soil Mapping, Sept 14-17th Montpellier.
- 2003 Hollingsworth, I, (2003) Developing closure criteria for ERA Ranger Mine. MCA NT Environmental Workshop. September 2003, Darwin.
- 2002 Hollingsworth, I D (2002) Designing landforms to achieve ecologically sustainable outcomes. Presentation at Australian Centre for Mining Environmental Research Short Course on Achieving Sustainable Mine Closure Outcomes. Friday 27th September 2002, Darwin. N.T.
- 2001 Hollingsworth I D, Zimmermann, A, Corbett, L K (2001) Design with nature: selecting target habitats for ecosystem reconstruction at ERA Ranger Mine. Poster Paper, 26th Annual Minerals Council of Australia Environmental Workshop, Adelaide, South Australia, October 14-18, 2001.
- 2000 Hollingsworth, I D & Spain, A (2000) Soil from spoil: a case study from Oaky Creek Coal Mine, Bowen Basin, Qld, Australia. In Proceedings of the Third AMEEF Innovation Conference "On the Threshold: Research into Practice", Brisbane, Queensland, 15-17 August 2000. 22-40.
- 1998 Hollingsworth, I.D. 1988. A Compaction Management Model for Red-brown Earths. Paper presented to a CSIRO Workshop on irrigated soil management, Yanco, Victoria, 1988.
- 1996 Kookana, R. S. and Hollingsworth, I. 1996. Sorption and degradation of atrazine with depth in soil profiles. Proceedings of the Australian Soils Conference, p171-172. Melbourne 1996.
- 1995 Kookana, R., Taylor, P. and Hollingsworth, I.D. 1995. An assessment of groundwater pollution potential of atrazine in a forest catchment of South Australia. Asia-Pacific workshop on pesticides. Singapore 5-8 June.
- 1995 Hollingsworth, I.D. 1995. Floodplain mapping of the Chowilla Anabranch, River Murray South Australia. Conference Papers - River Murray Mapping (Murray Darling Basin Commission, Canberra 1995)
- 1995 Fitzpatrick, R.W.; Cox, J.W.; Hollingsworth, I.D. and Fritsch, E. 1995. Soil-Diagnostic Indicators to manage degraded rainwater catchment systems. Paper presented at 7th IRWCS Conference, June 1995, Beijing, China. p.28
- 1988 Perrens, S. and Hollingsworth, I.D. 1988. A Productivity Index Model for Quantifying the Cost of Soil Degradation. Australian Institution of Engineers, Agricultural Engineering Conference, 1988.
- 1988 Hollingsworth, I.D. 1988. Soil Horizon Mixing and Compaction Management of Trangie Red-brown earth. Poster paper, Australian Society of Soil Science, National Conference, 1988.

Industry Publications (1)

- 1995 Hollingsworth, I.D., Boardman, R. and Fitzpatrick, R. 1995. Quantitative land resource assessment for Pinus Radiata (D.Don) in South Australia. Australian Collaborative Land Evaluation Newsletter 4(2): 6-10

Technical Reports (85)

- 2009 Hollingsworth, ID (2009) Crocker Well BFS Closure Plan. Confidential Report to Sinosteel.
- 2009 Shovelton, R. van Rensburg, J and Hollingsworth I. (2009) Camera Towers Access Road Options Analysis, Bradshaw Field Training Area. Confidential Report for Department of Defence.
- 2009 Hollingsworth, ID (2009) Mangrove Mud Soil Physical Study. INPEX Browse, Blaydin Point LNG Plant, Darwin Harbour.
- 2009 Hollingsworth, ID (2009) Notice of Intent to develop Pond 8. Report on behalf of RT Alcan for Environmental Assessment in the NT.
- 2008 Hollingsworth, ID (2008) Maud Creek Environmental Impact Statement. Public Report for GBS Gold Pty Ltd
- 2008 Hollingsworth, ID (2008) Geology, Geomorphology & Soils Baseline Study. INPEX Browse, Blaydin Point EIS.
- 2008 Hollingsworth, ID, (2008) MRM Annual environment report 2007. Confidential report for Xstrata Zinc MacArthur River Mine.



- 2008 Franklyn, S, Mounsey, S. and Hollingsworth, I (2008) Middle Arm Gaps Analysis. Report to the NT Department of Planning & Infrastructure.
- 2009 Hollingsworth, ID (2009) Visual Impact Assessment Study. INPEX Browse, Blaydin Point LNG Plant, Darwin Harbour.
- 2008 Hollingsworth, ID (2008) Princess Louise & North Point Mine Management Plan. Report for GBS Gold Pty Ltd.
- 2007 Hollingsworth ID, C Humphrey, M Gardener (2007) Revegetation at Ranger: an analysis of vegetation and environmental trends in Analogue areas. Confidential Report to ERA Ranger Mine. 114p.
- 2007 Hollingsworth ID (2007) Soil and Sediment Closure Criteria Issues Paper. Confidential Report to ERA Ranger Mine. 13p
- 2007 Hollingsworth ID (2007) Landform Closure Criteria Issues Paper. Confidential Report to ERA Ranger Mine. 13p
- 2007 Hollingsworth ID (2007) Erosion Closure Criteria Issues Paper. Confidential Report to ERA Ranger Mine. 13p
- 2006 Millbank, J & Hollingsworth, ID (2006) Ranger Final Landform: Backfill & Stockpiling Plan. Confidential Report to ERA Ranger Mine. 60p.
- 2006 Hollingsworth, ID (2006) Soil contamination assessment at Ranger Mine and risk based corrective actions. Confidential report to ERA Ranger Mine. Project 704, 70pp plus appendices.
- 2006 Hollingsworth, ID (2006) Review of the Tailings Dam Expansion at Macarthur River Mine. Confidential report to NT EPA. 12pp
- 2006 Hollingsworth, ID (2006) Ranger Closure Stage II Order of Magnitude Options Analysis for Environmental Design. Confidential Report to ERA Ranger Mine. 22pp.
- 2006 Hollingsworth ID (2006) Closure implications for Pit#3 Cutback, Ranger Uranium Mine. Confidential report to OTX. 23p.
- 2005 Hollingsworth, I D, Overall, R & Puhlovich, A (2005) Status of the Ranger irrigation areas - final report. Report to ERA Ranger Mine. -February 2005. 59pp plus appendices.
- 2005 Hollingsworth, I D (2005) Review of soil contamination in the former Administration Area at Woodcutters Mine. Report for Newmont Woodcutters Pty Ltd. -January 2005. 33pp plus appendices.
- 2005 Hollingsworth, I D (2005) Investigation of fill materials, Mt Morgan Iron Ore mine. -March 2005. 27pp plus appendices.
- 2005 Hollingsworth, I D (2005) Acid sulfate soil investigation at the AFMA Nhulunbuy boat ramp. Report for Australian Fisheries Management Authority. -October 2005. 8pp plus appendices.
- 2005 Hollingsworth, I D (2005) Soil Investigation in the Ranger Acid Storage Tank Bund Report to ERA Ranger Mine. -September 2005. 12 pp. plus figures & appendices.
- 2004 Hollingsworth, ID (2004) Soil contamination and sustainability of the land application areas at ERA Ranger Mine. Confidential report to ERA Ranger Mine, 80pp plus appendices.
- 2004 Hollingsworth, ID (2004) Groundwater and stream water impacts from the proposed Blacktip LNG Plant. Confidential report to Woodside Pty Ltd. 40pp plus appendices.
- 2004 Hollingsworth, ID (2004) Groundwater and stream water impacts from the proposed Trans-territory gas pipeline. Confidential report to Alcoa Pty Ltd. 40pp plus appendices.
- 2003 Hollingsworth, I, Zimmermann, A, Milnes, A & Corbett, L (2003) Ecosystem reconstruction for the Ranger Mine final landform – Phase 1 Target Habitats. Report to ERA Ranger Mine. EWL Sciences Pty Ltd, March 2003
- 2002 Hollingsworth, I, Puig, P & Welch, M (2002) Soil suitability for aquaculture ponds on Section 961, Hundred of Goyder. Report to ATSIC. EWL Sciences Pty Ltd, May 2002
- 2002 Hollingsworth, I (2002) Land capability of the Tiwi Islands. Report to Department of Infrastructure Planning and Environment. EWL Sciences Pty Ltd, May 2002
- 2001 Hollingsworth, I D & Jan D (2001) Melville Island Soil Survey Report, Kilu Impini Creek Catchment. Report to Sylvatech Pty Ltd. EWL Sciences Pty Ltd, May 2001
- 2000 Hollingsworth, I D (2000) Evaluation of continuous, low rate spray irrigation area water management in the MLAA. Report to ERA Ranger Mine. EWL Sciences Pty Ltd, December 2000.
- 2000 Hollingsworth, I D (2000) Warrego soil contamination project report. Report to Normandy Tennant Creek Pty Ltd. -January 2000. 43pp plus 18 plates, 2 maps and 2 appendices.
- 2000 Corbett, L K, Townley, L, Jones, D R, Overall, R & Hollingsworth, I D (2000) Elizabeth River Lake environmental feasibility assessment. Report to NT Department of Transport and Works. -February 2000.
- 1999 Lane, A M & Hollingsworth, I D (1999) Bottle Creek rehabilitation monitoring August 1998 and February 1999. Final Report to North Technical Services – Project development Group. ERA Environmental Services Pty Ltd, April 1999. 34pp plus 4 appendices.
- 1999 Jones, D R, Foley, G A, Hollingsworth, I D & Agnew, M K (1999) Progress report No. 1: Pine Creek tailings dam closure. Report to Pine Creek Goldfields Limited. ERA Environmental Services Pty Ltd,



- March 1999. 23pp plus 22 figures and 4 appendices.
- 1999 Hollingsworth, I D, Puhlovich, A, Stockton, D & Jones, D R (1999) Progress report No 2: Pine Creek tailings dam closure. Draft report to Iluka Resources for discussion. ERA Environmental Services Pty Ltd, August 1999. 37pp plus 4 appendices.
- 1999 Hollingsworth, I D, Hignett, C. & Lane, A (1999) Vegetation health impact from land application of waste water at Ranger mine. Report to ERA Ranger Mine.. Report to ERA Ranger Mine. ERA Environmental Services Pty Ltd, August 1999. 20pp plus 10 figures, 3 tables and 5 appendices.
- 1999 Hollingsworth, I D and Walker, C M (1999) Bradshaw Additional Land Resource Studies. Report to Department of Defence. ERA Environmental Services Pty Ltd, May 1999. 65pp plus 1 map, 1 table, 11 figures, and 2 appendices.
- 1999 Hollingsworth, I D (1999) Ranger Irrigation Area Soil Survey Final Report. Report to ERA Ranger Mine. ERA Environmental Services Pty Ltd, June 1999. 6pp plus 2 maps, 3 tables and 1 appendix.
- 1999 Hollingsworth, I D (1999) ERA Ranger Mine rehabilitation. Report to ERA Ranger Mine. ERA Environmental Services Pty Ltd, June 1999. 21pp plus 3 tables, 5 figures, 5 plates and 5 appendices.
- 1999 Hollingsworth, I D & Jones, D R (1999) ERA sulfur stockpile rehabilitation, preliminary site investigations. Report to ERA Ranger Mine. ERA Environmental Services Pty Ltd, April 1999. 21pp plus 9 tables, 6 figures, 3 plates and 5 appendices.
- 1998 McAllister, R.E., Daniell, M.R., Knauth, M. and Hollingsworth, I.D. 1998. Amended Plan of Rehabilitation #23. Report to ERA Ranger Mine. ERA Environmental Services Pty Ltd, February 1998.
- 1998 Lane, A M, Hollingsworth, I D & Taylor, M (1998) Final Report: Paddington Gold rehabilitation monitoring. Report for Paddington Gold Pty Ltd. ERA Environmental Services Pty Ltd, November 1998. 27pp plus 7 appendices.
- 1998 Hollingsworth, I.D. 1998. Soil Erosion, Bradshaw Training Area. 15pp plus maps, tables and figures in "Bradshaw NATA Training Area EIS" prepared by Connell Wagner Pty Ltd for the Department of Defence.
- 1998 Hollingsworth, I.D. 1998. Soil and Land Unit Mapping, Bradshaw Training Area. 24pp plus maps, tables and figures in "Bradshaw NATA Training Area EIS" prepared by Connell Wagner Pty Ltd for the Department of Defence.
- 1998 Hollingsworth, I.D. 1998. Soil and Land Management, Bradshaw Training Area. 15pp plus maps, tables and figures in "Bradshaw NATA Training Area EMP" prepared by Connell Wagner Pty Ltd for the Department of Defence.
- 1998 Hollingsworth, I.D. 1998. Ranger Mine Annual Rehabilitation. ERA Environmental Services Pty Ltd, June 1998.
- 1998 Hollingsworth, I.D. 1998. Jabiluka soils. 12pp plus tables and figures. In Milnes, A R & Jackson, A. "The Jabiluka Project: Report to the Minister for Resources and Energy, April 1998. Additional Environmental Studies." Report for ERA Ranger Mine. ERA Environmental Services Pty Ltd, October 1998.
- 1998 Hollingsworth, I.D. Investigation into the variability of vegetation establishment on the Pine Creek tailings dam. ERA Environmental Services Pty Ltd, October 1998.
- 1998 Hollingsworth, I D, Cramb, G & Ong, C (1998) Jabiluka soil. 37pp plus 13 tables, 1 map, 16 figures a glossary of terms and 2 appendices. In Milnes, A R & Jackson A (1998) "The Jabiluka Project. Final six monthly progress report to the Minister for Resources and Energy, October 1998. Additional environmental studies." Report for ERA Ranger Mine. ERA Environmental Services Pty Ltd, October 1998. 62pp plus appendices. Appendix 3. Reports of progress and outcomes of additional environmental studies.
- 1998 Hollingsworth, I D (1998) Investigation into the variability of vegetation establishment on the Pine Creek tailings dam. Report for Pine Creek Goldfields. ERA Environmental Services Pty Ltd, November 1998. 12pp plus 5 plates, 2 tables, 5 figures and 2 appendices.
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