

PUBLICATIONS AND ARTICLES: DR KG EVANS

Table of Contents

| | |
|--|----|
| PUBLICATIONS AND ARTICLES: DR KG EVANS..... | 1 |
| Journal Articles | 2 |
| Consultancy Reports..... | 5 |
| Working Papers | 9 |
| Conferences and Symposia | 10 |
| Supervising Scientist Report Series- ISSN 1325-1554 | 14 |
| Volumes as Author..... | 14 |
| Volumes as Editor | 15 |
| Papers in Edited Volumes | 15 |
| Internal Reports - Environmental Research Institute of the Supervising Scientist | 19 |
| Others..... | 22 |
| Student Research | 23 |
| Completed: | 23 |
| Current:..... | 24 |

Journal Articles

1. Lowry, John, Narayan, M, Hancock, G.R. & **Evans, K.G.** 2019. Understanding post-mining landforms: Utilising pre-mine geomorphology to improve rehabilitation outcomes. *Geomorphology*. 328, 93-107.
2. Villacorta, S. P., **Evans, K. G.**, De Torres, T. J., Llorente, M., & Prendes, N. 2018. Geomorphological evolution of the Rimac River's Alluvial Fan, Lima, Peru. *Geosciences Journal*. DOI: 10.1007/s12303-018-0049-5
3. Erskine WE, Saynor, MJ, Boyden J, **Evans KG**. 2018. Sediment fluxes and sinks for Magela Creek, Northern territory, Australia. *Marine & Freshwater Research* 69, 1018-1025. <https://doi.org/10.1071/MF16107>
4. Proudfoot M, Valentine EM, **Evans KG**, King I. 2018. Calibration of a finite element model of a macrotidal creek and floodplain in Northern Australia. *Journal of Hydraulic Engineering* Vol. 144(2): 05017005.
5. Narayan MR, **Evans KG**, Riwu Kaho N, Wurm P, Thapa R, Hobgen SE, Lamsal B, Miller J, Myers BA, Markus J, Godwin P. 2017. Deployment of Open Data Kit for Information Management for Various Engineering Projects In Rural, Indonesia. *International Research Journal of Electronics & Computer Engineering* (ISSN Online: 2412-4370), [S.l.], 3(1): 1-6.
6. Tonyes SG, Wasson RJ, Munksgaard NC, **Evans KG**, Brinkman R, Williams DK. 2017. Understanding coastal processes to assist with coastal erosion management in Darwin Harbour, Northern Territory, Australia. *IOP Conf. Ser.: Earth Environ. Sci.* 55 012012
7. Staben G, Lucieer A, Scarth P, **Evans KG**, Cook, G. 2016. Obtaining biophysical measurements of woody vegetation from high resolution digital aerial photography in tropical and arid environments: Northern Territory, Australia. *International Journal of Applied Earth Observation and Geoinformation* 52: 204-220.
8. Tonyes SG, Wasson RJ, Munksgaard NC, **Evans KG**, Brinkman R, Williams DK. 2015. Sand dynamics as a tool for coastal erosion management: A case study in Darwin Harbour, Northern Territory, Australia, *Procedia Engineering* **125**: 220-228.
9. Hancock GR, **Evans KG**, McDonnell JJ, Hopp L. 2012. Ecohydrological controls on soil erosion and landscape evolution, *Ecohydrology*, 5(4): 478-490.
10. Hancock GR, Lowry JBC, Coulthard TJ, **Evans KG**, Moliere DR. 2010. A catchment scale evaluation of the SIBERIA and CAESAR landscape evolution models, *Earth Surface Processes and Landforms*, **35** 863-875.
11. Hancock GR, **Evans KG**. 2010, Gully, channel and hillslope erosion - an assessment for a traditionally managed catchment, *Earth Surface Processes and Landforms*, **35** 1468-1479.
12. Moliere DR, **Evans KG** 2010. Development of trigger levels to assess catchment disturbance on stream suspended sediment loads in the Magela Creek, Northern Territory, Australia. *Geographical Research* 48, 370-385.
13. Hancock GR, Murphy D, **Evans KG**. 2010. Hillslope and catchment scale soil organic carbon concentration: an assessment of the role of geomorphology and soil erosion in an undisturbed environment, *Geoderma*, 155: 36-45.
14. Frostick A, Bollhöfer A, Parry D, Munksgaard N, **Evans K** 2008. Radioactive and radiogenic isotopes in sediments from Cooper Creek, Western Arnhem Land. *Journal of Environmental Radioactivity* 99, 468-482.
15. Staben GW, **Evans KG** 2008. Estimates of tree canopy loss as a result of Cyclone Monica, in the

- Magela Creek catchment northern Australia. *Austral Ecology* 33,562-569.
16. Hancock GR, Lowry JBC, Moliere DR, **Evans KG** 2008. An evaluation of an enhanced soil erosion and landscape evolution mode: a case study assessment of the former Nabarlek uranium mine, Northern Territory, Australia. *Earth Surface Processes and Landforms* 33(13). Published online in Wiley InterScience (www.interscience.wiley.com) DOI: 10.1002/esp.1653
 17. Hancock GR, Loughran RJ, **Evans KG**, Balog RM 2008. Estimation of soil erosion using field and modelling approaches in an undisturbed Arnhem Land catchment, Northern Territory, Australia. *Geographical Research* 46(3):333-349.
 18. Hancock GR, Grabham MK, Martin P, **Evans KG**, Bollhöfer A 2006. Methodology for the assessment of rehabilitation success of post mining landscapes—sediment and radionuclide transport at the former Nabarlek uranium mine, Northern Territory, Australia. *Science of the Total Environment* 354, 103-119.
 19. Hancock GR, **Evans KG** 2006. Channel head location and characteristics using digital elevation models. *Earth Surface Processes and Landforms* 31(7), 809-824.
 20. Hancock GR, Martinez, C, **Evans KG**, Moliere DR 2006. A comparison of SRTM and high-resolution digital elevation models and their use in catchment geomorphology and hydrology – Australian examples. *Earth Surface Processes and Landforms* 31, 1394–1412.
 21. Hancock GR, **Evans KG**. 2006. Gully position, characteristics and geomorphic thresholds in an undisturbed catchment in Northern Australia. *Hydrological Processes* 20, 2935–2951.
 22. Erskine WD, Saynor MJ, Erskine L, **Evans KG** and Moliere DR 2005. A preliminary typology of Australian tropical rivers and implications for fish community ecology. *Marine & Freshwater Research* 56, 253-267.
 23. Boggs GS, Moliere DR, **Evans KG**, Devonport CC 2005. Long-term hydrology modelling and analysis in a data limited small catchment in the wet-dry tropics of Australia: Reply to discussion by R French. *Australian Journal of Water Resources* 8(2), 225-226.
 24. Moliere DR, Saynor MJ, **Evans KG** 2005. Suspended sediment concentration-turbidity relationships for Ngarradj – a seasonal stream in the wet-dry tropics. *Australian Journal of Water Resources* 9(1), 37-48.
 25. **Evans KG**, Martin P, Moliere DR, Saynor MJ, Prendergast JB, Erskine WD 2004. Erosion risk assessment of the Jabiluka mine site, Northern Territory, Australia. *J. Hydrologic Engrg* 9(6) 512-522.
 26. Moliere DR, **Evans KG**, Saynor MJ, Erskine WD 2004. Estimation of suspended sediment loads in a seasonal stream in the wet-dry tropics, Northern Territory, Australia. *Hydrological Processes* 18(3), 531-544.
 27. Boggs GS, **Evans KG**, Devonport CC 2004. Rugged Plateaus and extensive floodplains – modelling landform evolution in a northern Australian catchment. *Australian Geographical Studies* 42(2), 260-273.
 28. Saynor MJ, Erskine WD, **Evans KG**, Eliot I 2004. Gully initiation and implications for management of scour holes in the vicinity of the Jabiluka Mine, Northern Territory, Australia. *Geografiska Annaler* 86 (2), 191–203.
 29. Boggs GS, Moliere DR, **Evans KG** and Devonport, CC 2003. Long-term hydrology modelling and analysis in a data limited small catchment in the wet-dry tropics of Australia. *Australian Journal of Water Resources* 7(2) 71-85.
 30. Hancock GR, Willgoose GR, **Evans KG** 2002. Testing of the SIBERIA landscape evolution model using the Tin Camp Creek, Northern Territory, Australia, field catchment. *Earth Surface Processes and*

- Landforms* 27 125-143.
31. Saynor, M.J. and **Evans, K.G.** 2001. Sediment loss from a mine waste rock dump, Northern Australia. *The Australian Geographer*. 39(1) 34-51.
 32. Boggs G, Devonport C, **Evans K**, Puig P 2001. GIS-based rapid assessment of erosion risk in a small catchment in the wet/dry tropics of Australia. *Land Degradation and Development* 12(5) 417-434.
 33. Boggs G, **Evans KG**, Devonport C, Moliere D and Saynor M 2000. Assessing Catchment-wide, Mining Related Impacts on Sediment Movement in the Swift Creek Catchment, Northern Territory, Australia, Using GIS and Landform Evolution Modelling Techniques. *Journal of Environmental Management, Special Issue*. 59(4) 321-334.
 34. **Evans, K.G.**, Willgoose, G.R., Saynor, M.J. and Riley, S.J. 2000. Post-mining landform evolution modelling. I. Derivation of sediment transport model and rainfall-runoff model parameters. *Earth Surface Processes and Landforms*. 25(7), 743-763.
 35. **Evans, K.G.** and Willgoose, G.R. 2000. Post-mining landform evolution modelling. II. Effects of vegetation and surface ripping. *Earth Surface Processes and Landforms*. 25(8), 803-823
 36. **Evans, K.G.** 2000. Methods for assessing mine site rehabilitation design for erosion impact. *Australian Journal of Soil Research*. 38(2), 231-248.
 37. Hancock, G.R., **Evans, K.G.**, Willgoose, G.R., Moliere, D.R., Saynor, M.J. and Loch, R.J. 2000. Medium-term erosion simulation on an abandoned mine site using the SIBERIA landscape evolution model. *Australian Journal of Soil Research*. 38(2), 249-264.
 38. **Evans, K.G.**, Saynor, M.J. and Willgoose, G.R. 1999. Changes in hydrology, sediment loss and micro-topography of a vegetated mine waste rock dump impacted by fire. *Land Degradation and Development*. 10, 507-522.
 39. **Evans, K.G.**, Loch, R.J., Bell, L.C. and Aspinall, T.O. 1997. Laboratory rainfall simulator studies of selected open-cut coal mine overburden spoils from Central Queensland, Australia. *Australian Journal of Soil Research*. 35, 15-30.
 40. Riley, S.J., Rippon, G.D., **Evans, K.G.**, Selkirk, J. and Saynor, M.J. 1997. Micro-basins on slopes in Arnhem Land, Northern Territory, Australia: Characteristics and development. *Singapore Journal of Tropical Geography* 18(2), 163-174.
 41. **Evans, K.G.** and Loch, R.J. 1996. Using the RUSLE to identify factors controlling erosion rates of mine soils. *Land Degradation and Development*. 7(3):267-277.
 42. **Evans, K.G.**, Saynor, M.J. and Willgoose, G.R. 1996. The effect of vegetation on waste rock erosion, Ranger Uranium Mine, Northern Territory. *Bulletin of the AusIMM*, 6(1), 21-23.
 43. **Evans, K.G.**, Saynor, M.J., Willgoose, G.R. and Unger, C.J., 1996. Landform erosion assessment. *Mining Environmental Management* 4(1), 23-25.
 44. **Evans, K.G.**, Loch, R.J., Silburn, D.M., Bell, L.C. and Aspinall, T.O. 1994. Evaluation of the CREAMS Model. IV. The derivation of interrill erodibility parameters from laboratory rainfall simulator data and the prediction of soil loss under a field rainulator. *Australian Journal of Soil Research*. 32, 867-878.
 45. **Evans, K.G.**, Stephens, A.W. and Shorten, G.G., 1992. Quaternary sequence stratigraphy of the Brisbane River Delta, Moreton Bay, Queensland, Australia. *Marine Geology* 107, 61-79.
 46. **Evans, K.G.**, 1991. Biogenic gas in deltaic sediments, Moreton Bay, Queensland. *Exploration Geophysics* 22(3), 509-514.
 47. O'Connell, D.C., **Evans, K.G.** and Hynch, P., 1989. Kaolin: An Australian perspective. *Industrial Minerals*. 267, 54-59.

Consultancy Reports

These consultancy reports meet the requirements of current contracts. They are unpublished and confidential.

1. EnviroConsult Australia 2019, Design of a sealed private road and intersection for an integrated live export facility, Livingstone, NT (Commercial in Confidence).
2. EnviroConsult Australia 2019, Supplementary report - Water balance model, hydrology and flood inundation modelling for infrastructure development at a greenfield mine site. NT (Confidential & unpublished).
3. EnviroConsult (2018a). Project 1: Existing hydrological condition and hydrology model calibration, Report prepared for Core Exploration Limited by EnviroConsult Pty Ltd, August 2018, Darwin.
4. EnviroConsult (2018b). Project 2: Mining Lease 31726 and Observation Hill Dam Water Balance, Report prepared for Core Exploration Limited by EnviroConsult Pty Ltd, August 2018, Darwin.
5. EnviroConsult (2018c). Project 3: Mining Lease 31726 Flood Inundation Study, Report prepared for Core Exploration Limited by EnviroConsult Pty Ltd, August 2018, Darwin
6. ECAust (2018) Conduct peer review of the Timber Creek flood study (URBS, Tuflow), NT for the Department of Infrastructure, Planning & Logistics.
7. EnviroConsult Australia 2018. Influence of a proposed lake at rural housing development on surface hydrology. Noonamah, NT
8. EnviroConsult Australia, 2018. Estuarine storm surge, Kittyhawk Development, Darwin Harbour.
9. EnviroConsult Australia 2018. Catchment hydrology monitoring, Noonamah, NT (Confidential & Unpublished).
10. EnviroConsult Australia 2017. Hydrology modelling and drainage design for a legacy mine in the Pine Creek Region NT. (Confidential & Unpublished). Control Panel\Network and Internet\Network Connections
11. Wurm PAS, Markus JER, **Evans KG**, et al 2017. Factors affecting agricultural production of small-holder rice farmers, Desa Linamnutu, TTS, NTT: Eastern Indonesia Field Intensive 2016. Unpublished report, Charles Darwin University, Darwin, Australia and Universitas Nusa Cendana, Kupang, Indonesia
12. **Evans KG**, Saynor MJ, Narayan MR 2016. Analysis of fine suspended sediment transport in Gulungul Creek adjacent to Ranger Mine, Jabiru NT. June 2016. School of Engineering and Information Technology, Charles Darwin University, pp19 (unpublished)
13. **Evans KG**, 2016. Final report: conceptual model for Ranger mine. Revision 0.16.0 19 July 2016 General comments with Detailed Risk Assessment. Project ID: 1807. Project Title: EIT37SM DME Establishment of Mining Technology Group (MTG) Period of Project: 01/08/2014 To 31/07/2017. Mining Technology Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
14. **Evans KG**, Narayan M 2016. Quarterly Report 4-2015, 1 October 2015 – 31 December 2015. Project ID: 1807. Project Title: EIT37SM DME Establishment of Mining Technology Group (MTG) Period of Project: 01/08/2014 To 31/07/2017. Mining Technology Group, School of Engineering and Information Technology, Charles Darwin University. (Confidential & Unpublished).
15. **Evans KG** et al 2015. CHAPTER 5: Research findings: Improving physical irrigation infrastructure. In Myers B, Williams E, Hobgen S, Evans KG, Lalel H, Wurm P, Markus J, Fairfield C. Improving Infrastructure in Irrigation Areas: Towards Greater Food and Water Security in Eastern Indonesia.

- AllIRA Research Report. Indonesia Infrastructure Initiative, Australian Department of Foreign Affairs and Trade, pp343.
16. Valentine EM, Proudfoot M, **Evans KG** 2015. Comments on AIMS' report Timed Discharge Study at the Leanyer Sanderson WWTP Task 1: Review of existing CDU models Prepared for Power and Water Corporation. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
 17. **Evans KG**, Narayan M 2015. Quarterly Report 3-2015, 1 July 2015 – 30 September 2015. Project ID: 1807. Project Title: EIT37SM DME Establishment of Mining Technology Group (MTG) Period of Project: 01/08/2014 To 31/07/2017. Mining Technology Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
 18. Narayan MR, **Evans KG** 2015. Dam Break Inundation Mapping, Risk Assessment and Guidelines for Tailings Storage Facilities. The Northern Territory Government, Department of Mines and Energy, NT 30 June 2015 Mining Technology Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
 19. **Evans KG**, Narayan M, Lilley DM 2015. Quarterly Report 2-2015, 1 April 2015 – 30 June 2015. Project ID: 1807. Project Title: EIT37SM DME Establishment of Mining Technology Group (MTG) Period of Project: 01/08/2014 To 31/07/2017. Mining Technology Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
 20. **Evans KG**, Lilley DM, Narayan M 2015. Quarterly Report 1-2015, 1 January 2015 – 31 March 2015. Project ID: 1807. Project Title: EIT37SM DME Establishment of Mining Technology Group (MTG) Period of Project: 01/08/2014 To 31/07/2017. Mining Technology Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
 21. **Evans KG**, Proudfoot M, Valentine EM 2015. Quarterly Report 2-2015: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 1 April – 30 June 2015. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
 22. **Evans KG**, Proudfoot M, Valentine EM 2015. Quarterly Report 1-2015: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 1 November 2014 – 31 March 2015. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
 23. Proudfoot M, Valentine EM, **Evans KG** 2015. Hydrodynamic Modelling of Darwin Harbour 2005-2014 History, Development Interpretation Report No. 5. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
 24. **Evans KG**, Lilley DM, Fairfield C 2015. Recommended geotechnical studies to characterise the unconsolidated substrate of White's Pit, Rum Jungle NT. report to the Northern Territory Department of Mines & Energy, Darwin, NT. (*Unpublished and confidential*).
 25. Proudfoot M, Valentine EM, Fairfield C, **Evans KG** 2015. Buffalo Creek Modelling: Update Report 10 Power Water Corporation: Tender No. PWD01722-11 Darwin – Hydrodynamic Modelling of Darwin Harbour Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
 26. **Evans KG** 2014. Comments on Coffey letter 9Oct2014 Re Ranger mine Pit 3 tailings management. Project ID: 1807. Project Title: EIT37SM DME Establishment of Mining Technology Group (MTG) Period of Project: 01/08/2014 To 31/07/2017. Mining Technology Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
 27. **Evans KG**, Lilley DM, Narayan M, de Boer F 2014. Quarterly Report 4-2014, 1 October 2014 – 31 December 2014. Project ID: 1807. Project Title: EIT37SM DME Establishment of Mining Technology

- Group (MTG) Period of Project: 01/08/2014 To 31/07/2017. Mining Technology Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
28. **Evans KG**, Lilley DM, Narayan M, de Boer F 2014. Quarterly Report 3-2014, 1 July 2014 – 30 September 2014. Project ID: 1807. Project Title: EIT37SM DME Establishment of Mining Technology Group (MTG) Period of Project: 01/08/2014 To 31/07/2017. Mining Technology Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
29. **Evans KG**, Lilley DM, de Boer F 2014. Quarterly Report 1&2-2014, 1 January 2014 – 30 June 2014. Project ID: 1807. Project Title: EIT37SM DME Establishment of Mining Technology Group (MTG) Period of Project: 01/08/2014 To 31/07/2017. Mining Technology Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
30. **Evans KG**, Proudfoot M, Valentine EM 2014. Quarterly Report 4-2014: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 August 2014 – 1 November 2014. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*)
31. **Evans KG**, Proudfoot M, Valentine EM 2014. Quarterly Report 3-2014: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 3 May 2014 – 1 August 2014. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*)
32. **Evans KG**, Proudfoot M, Valentine EM 2014. Quarterly Report 2-2014: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 February 2014 – 1 May 2014. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
33. **Evans KG**, Proudfoot M, Valentine EM, Fairfield C 2014. Quarterly Report 1-2014: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 November 2014 – 1 February 2014. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
34. Proudfoot M, Valentine EM, Fairfield C, **Evans KG** 2014. Buffalo Creek Modelling: Update Report 7.2 Power Water Corporation: Tender No. PWD01722-11 Darwin – Hydrodynamic Modelling of Darwin Harbour Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
35. **Evans KG**, Proudfoot M, Valentine EM 2013. Quarterly Report 4-2013: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 August 2013 – 1 November 2013. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*)
36. **Evans KG**, Proudfoot M, Valentine EM 2013. Quarterly Report 3-2013: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 May 2013 – 1 August 2013. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
37. Proudfoot M, Valentine EM, **Evans KG** 2014. Buffalo Creek Modelling: Update Report 6.1 Power Water Corporation: Tender No. PWD01722-11 Darwin – Hydrodynamic Modelling of Darwin Harbour Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
38. **Evans KG**, Proudfoot M, Valentine EM 2013. Quarterly Report 2-2013: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 February 2013 – 1 May 2013. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).

39. **Evans KG**, Proudfoot M, Valentine EM 2013. Quarterly Report 1-2013: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 November 2012 – 1 February 2013. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
40. **Evans KG**, Proudfoot M, Valentine EM 2013. Buffalo Creek Modelling: Update Report 5 Power Water Corporation: Tender No. PWD01722-11 Darwin – Hydrodynamic Modelling of Darwin Harbour Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
41. **Evans KG**, Proudfoot M, Valentine EM 2012. Quarterly Report 4-2012: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 November 2012 – 1 February 2013. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
42. Proudfoot M, **Evans KG**, Valentine EM 2013. Buffalo Creek Modelling: Update Report 6 Power Water Corporation: Tender No. PWD01722-11 Darwin – Hydrodynamic Modelling of Darwin Harbour Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
43. **Evans KG**, Proudfoot M, Valentine EM 2012. Quarterly Report 3-2012: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 August 2012 – 1 November 2013. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
44. **Evans KG**, Valentine EM 2012. Buffalo Creek Modelling: Update Report 4 Power Water Corporation: Tender No. PWD01722-11 Darwin – Hydrodynamic Modelling of Darwin Harbour Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
45. **Evans KG**, Valentine EM 2012. Quarterly Report 2-2012: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 May 2012 – 1 August 2013. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).
46. **Evans KG**, Valentine EM 2012. Quarterly Report 1-2012: Power Water Corporation Darwin Harbour Hydrodynamic and Water Quality Modelling, Quarterly period: 2 February 2012 – 1 May 2013. Water Engineering Group, School of Engineering and Information Technology, Charles Darwin University. (*Confidential & Unpublished*).

Working Papers

1. Narayan MR, **Evans KG**, Hobgen SE, Thapa R, Myers BA and Wurm P. 2017, Groundwater Quality Studies in Sumba, Indonesia 2016 & 2017. Unpublished report SEIT and RIEL, Charles Darwin University, Darwin, Australia. 33p.
2. **Evans KG**, Narayan MR, Lamsal B, Thapa R, Riwo Kaho N, Hobgen SE, Myers BA, Wurm P. 2016. Improving Food and Water Security in Sumba, Indonesia. Unpublished report Charles Darwin University, Darwin Australia and Universitas Nusa Cendana, Kupang, West Timor 34p.

Conferences and Symposia

1. Erskine, W., Saynor, M., Turner, K., Whiteside, T., Boyden, J. M., & Evans, K. (2014). Do suspended sediment and bedload move progressively from the summit to the sea along Magela Creek, northern Australia? In Y. J. Xu, M. A. Allison, S. J. Bentley, A. L. Collins, W. D. Erskine, & V. Goloso (Eds.), *Sediment Dynamics: From the Summit to the Sea*. Proceedings of a symposium held at New Orleans, USA, 11–14 December 2014, IAHS Publ. 367, 283-290.
2. Erskine WD, Saynor MJ, Turner K, Whiteside T, Boyden J, **Evans KG** 2014. Suspended sediment and bedload discontinuities along Magela Creek, northern Australia. Paper presented at 7th Australian Stream Management Conference Townsville, Queensland 28-30 July 2014.
3. Erskine WD, Saynor MJ, Turner K, Whiteside T, Boyden J, **Evans KG** 2014. How efficient is wetland vegetation at trapping suspended sediment and bedload on Magela Creek in northern Australia? Paper presented at Joint Congress of the Australian Society for Fish Biology and the Australian Society for Limnology 30 June – 3 July 2014, Darwin Convention Centre.
4. Erskine WD, Saynor, MJ, **Evans KG**, Moliere DR 2011. Bedload transport efficiency of forested sand-bed streams in the seasonally wet tropics of northern Australia. In *Proceedings of the 7th IAHR Symposium on River, Coastal and Estuarine Morphodynamics*. Eds Shao X, Wang Z, Wang G, Sep 6–8 2011, Tsinghua University, Beijing, China, Tsinghua University Press, Beijing, China, 1–13.
5. Martin P, Bollhöfer A, **Evans KG**, Pfitzner K, Hancock GR, Grabham MK, Storm J, Tims S, Ryan B 2010. Radiological assessment of the rehabilitated Nabarlek uranium mine Radiological assessment of the rehabilitated Nabarlek uranium mine.
6. Hancock GR, **Evans KG**, McDonnell JJ, Hopp L, Reaney S 2010 'Death and landscape dynamics: The effect of tree throw on sediment transport and landscape evolution', 2010 AGU Fall Meeting. Program and Abstracts, San Francisco, CA
7. Hancock GR, Coulthard T, **Evans KG**, Martinez C, Willgoose GR, Cohen S 2009. Catchment scale soil erosion prediction using digital elevation based models-an assessment of approaches at the decadal to millennial time scales. EGU General Assembly Conference Abstracts, 11:6406.
8. Lowry JBC, **Evans KG**, Coulthard TJ, Hancock GR, Moliere DR 2009. Assessing the impact of extreme rainfall events on the geomorphic stability of a conceptual rehabilitated landform in the Northern Territory of Australia. In *Mine Closure 2009. Proceedings of the Fourth International Conference on Mine Closure*, 9–11 September 2009, Perth, Australia, eds A Fourie , M Tibbett, 203–212.
9. Moliere DR **Evans KG** 2009. Cyclone Monica and the resulting impacts of treefall on stream sediment transport. In *Adapting to change, Proceedings of the 32nd Hydrology and Water Resources Symposium*, 30 November – 3 December 2009, Newcastle, Engineers Australia (CD).
10. Saynor M, Staben G, Moliere D, Lowry J, **Evans K** 2009. Landslips as sediment sources in the wet dry tropics of Australia, Kakadu National Park. Paper presented at 7th International Conference on Geomorphology, Melbourne, 6–11 July 2009
11. Saynor MJ, Staben GW, Moliere DR, Lowry J, **Evans KG** 2008. Effect of an extreme storm event on catchment hydrology and sediment transport in the Alligator Rivers Region, Northern Territory. Paper presented at 13th meeting Australia and New Zealand Geomorphology Group Conference, Queenstown Tasmania, 11–15 February.
12. Moliere D, **Evans KG**, Turner K 2008. Effect of an extreme storm event on catchment hydrology and sediment transport in the Magela Creek catchment, Northern Territory. In *Water Down Under 2008, Proceedings of the 31st Hydrology and Water Resources Symposium and 4th International Conference on Water Resources*, 15–17 April 2008, Adelaide, South Australia, Engineers Australia (CD).

13. Hancock GR, Lowry JBC, Coulthard TJ, **Evans KG** 2008. A catchment scale evaluation of the SIBERIA and CAESAR landscape evolution models. In *14ARSPC: Proceedings of the 14th Australasian Remote Sensing and Photogrammetry Conference*, Darwin NT, 30 September – 2 October 2008. USB2.0
14. Hancock GR, **Evans KG**, Cohen S, Willgoose GR 2008. Linkages Between Hillslope and Channel Gully Erosion-Assessment for an Undisturbed Catchment in Northern Australia Subject to Extreme Rainfall Events. AGU Fall Meeting Abstracts 1:806.
15. Staben GW, Saynor MJ, Hancock GR, Fox G, Lowry JBC, Calvert G, Moliere DR, **Evans KG** 2007. Assessment of the impact of Cyclone Monica on the Alligator Rivers Region – Northern Territory. Paper presented at ESA (Ecological Society of Australia) 2007 Conference, Perth, 25–30 November.
16. Saynor MJ, Erskine WD, Moliere DR, Evans KG 2006. Water, solute and sediment yields for a seasonal tropical river in northern Australia. 30th Hydrology, Water Resources Symposium: Past, Present & Future 4 - 7 December 2006 Launceston, TAS. IEAust, Australia. p. 618.
17. Lowry JBC, **Evans KG**, Moliere DR, Hollingsworth I 2006. Assessing landscape reconstruction at the Ranger Mine using landform evolution modelling. [First International Seminar on Mine Closure, Perth WA, 3-15 September 2006] 10 p
18. Frostick A, Bollhöfer A, Parry D, Munksgaard N, **Evans KG** 2006. Radioactive and radiogenic isotopes in Cooper Creek sediments. Paper presented at South Pacific Environmental Radioactivity Association (SPERA) Conference, 9–13 October 2006, Melbourne Australia.
19. Erskine WD, Saynor MJ, Moliere DR, Evans KG 2006. Bedload transport, yield and grain size in a seasonal tropical river in northern Australia. 30th Hydrology & Water Resources Symposium: Past, Present & Future 4 - 7 December 2006 Launceston, TAS. IEAust, Australia. p. 562.
20. Martinez C, GR Hancock, **KG Evans** and DR Moliere 2005. A Catchment Based Assessment Of The 3-Arc Second SRTM Digital Elevation Data Set. In Zerger, A. and Argent, R.M. (eds) MODSIM 2005 International Congress on Modelling and Simulation. Modelling and Simulation Society of Australia and New Zealand, December 2005, pp. 1409-1415.
21. Lowry J, Moliere D, Boggs G, **Evans KG** 2005. A question of scale: the impact of digital elevation model resolution on the landform evolution modelling process at Nabarlek mine. Presented at the North Australian Remote Sensing and GIS Conference, Darwin, 4-7 July 2005.
22. Saynor MJ, Erskine WD, **Evans KG**, Eliot I 2004. Influence of riparian vegetation on bank erosion rates in the Ngarradj catchment around Jabiluka mine. Paper presented at 11th Australian and New Zealand Geomorphology Group Conference, 15–20 February 2004, Mount Buffalo, Victoria.
23. **Evans, KG**, Moliere DR, Saynor, MJ, Erskine, WD, Bellio MG 2004. Water quality trigger values for suspended mud in the Jabiluka mine receiving catchment, NT, Australia. PACRIM2004, Adelaide, SA, 19-22 September. AusIMM, Carlton, Victoria.
24. van Dam RA, Finlayson M, Bayliss P, Humphrey C, Martin P, **Evans KG** 2004. The multiple benefits of conceptual models: Contaminant pathways from Ranger Uranium Mine. Paper presented at Workshop on Contaminants and Ecological Risk Assessment. Commonwealth Scientific and Industrial Research Organisation – Land and Water, 5–7 April 2004, Adelaide.
25. Garland AJ, Moliere DR, Hancock GR, **Evans KG** 2003. Changes in hydrology of a mine-impacted catchment Nabarlek NT Australia. In *proceedings of the National Environment Conference*, Brisbane, Institution of Engineers Australia 18-20 June 2003.
26. **Evans, KG**, Moliere DR, Saynor, MJ, Erskine, WD, Bellio MG 2003. Assessing the impact of catchment disturbance on Mud transport in a seasonal stream. In *proceedings of the National Environment Conference*, Brisbane, Institution of Engineers Australia 18-20 June 2003.
27. Evans KG, Loch RJ 2003. Erosion and landform stability. Session conducted at Minerals Council of

- Australia (MCA) Mine Rehabilitation Workshop, November 2003, Brisbane.
28. Martin P, Bollhöfer A, **Evans KG**, Pfitzner K, Hancock GR, Grabham MK, Storm J, Tims S, Ryan B 2003, Radiological assessment of the rehabilitated Nabarlek uranium mine, Paper presented at Australasian Radiation Protection Society (ARPS) Conference 2003, 26–29 October, Hobart, Tasmania.
 29. Martin P, Bollhöfer A, **Evans KG**, Pfitzner K, Hancock GR, Grabham MK, Storm J, Tims S, Ryan B 2003. Radiological assessment of the rehabilitated Nabarlek uranium mine, Paper presented at the AusIMM meeting, November 2003, Mirambeena Resort, Darwin.
 30. Moliere, D.R., Boggs, G.S., **Evans, KG**, Saynor, M.J. 2002 Hydrological response of Ngarradj – a seasonal stream in the wet-dry tropics, Northern Territory. In *The structure, function and management implications of fluvial sedimentary systems* (Proceedings. Alice Springs symposium, Australia, September 2002). IAHS Publ. 276, 281-288.
 31. Saynor MJ, Erskine WD, **Evans KG**, Moliere DR, Eliot 2002. Channel stability of a sand-bed stream in the seasonally wet tropics. Paper presented at Australian & New Zealand Geomorphology Group conference, 30 Sep to 4 Oct 2002, Kalgoorlie.
 32. Saynor MJ, Erskine WD, **Evans KG**, Eliot I 2002 Channel morphodynamics of a sand-bed stream in the seasonally wet tropics of Australia. In *The structure, function and management implications of fluvial sedimentary systems*, FJ Dyer, JM Olley, J Olley (compilers), Poster Report Booklet, International Association of Hydrological Sciences, Wallingford, 39–43.
 33. Loch RJ, **Evans KG**, Hugo L 2002. Potential to predict sediment, nutrient and pollutant movement in small catchments. In *proceedings of the 4th Queensland Environmental Conference*, Brisbane, 30-31 May 2002.
 34. **Evans KG**, Saynor SJ, Hancock GR 2001. Rehabilitation at Nabarlek: Erosion assessment 1999 in Klessa DA (ed) *The rehabilitation of Nabarlek Uranium Mine: Proceedings of Workshop, Darwin NT, Australia, 18–19 April 2000*. Supervising Scientist Report 160, Supervising Scientist, Darwin, 40-47.
 35. Boggs GS, **Evans KG**, Devonport CC 2001. ArcEvolve: A suite of GIS tools for assessing landform evolution. In *GeoComputations 2001: Proceedings of the 6th International Conference on Geocomputation*, Brisbane, 23–26 September 2001, ed DV Pullar, The University of Queensland, Brisbane Qld, CD-ROM, ISBN 1864995637.
 36. Boggs GS, Devonport CC and **Evans KG** 2001. Progress in the Development of a GIS-Based Method for the Assessment and Management of Mining Impact on Landform Evolution. In: *NARGIS 01: proceedings of the 5th North Australian Remote Sensing and GIS Conference*, Darwin, 3-5 July, 2001.
 37. **Evans, K.G.**, Saynor, M.J., Moliere, D.R., Prendergast, J.B. and Erskine, W.D. 2000. Assessment of the environmental impacts of Jabiluka mine waste rock dump erosion on Swift Creek, Northern Territory. p. 62. Program and Abstracts, 39th Annual Congress of the Australian Society for Limnology, Darwin, 7-10 July 2000.
 38. Saynor, MJ, Erskine WD, **Evans KG** 2000. Channel stability and erosion in the Swift Creek catchment, Jabiluka mine site, Northern Territory, Australia. In *Programme, Abstracts & Participants 9th Australian and New Zealand Geomorphology Group Conference, Wanaka, New Zealand December 2000*
 39. Moliere DR, **Evans KG**, Saynor MJ, Erskine WD 2000. Suspended sediment loads in the receiving catchment of the Jabiluka uranium mine site, Northern Territory. pp 37-42 *Hydro 2000 Interactive Hydrology 3rd International Hydrology and Water Resources Symposium*. Perth November 2000.
 40. **Evans, K.G.**, 2000. Assessing mine site rehabilitation design for erosion impact. Proceedings of the Third AMEEF Innovation Conference “On the Threshold: Research Into Practice” Brisbane Queensland 15-17 August 2000, Australian Minerals and Energy Environment Foundation, Canberra,

pp. 41-47.

41. Hancock, G.R., Willgoose, G.R, and **Evans, K.G.** 1999. Simulation of long-term erosion on an abandoned mine site using the SIBERIA landscape evolution model. pp. 63-68 *Water 99 – hydrology & water resources symposium / water resources & environmental research*. Brisbane July 1999.
42. Boggs, G.S., Devonport, C and **Evans, K.G.** 1999 Application of Geographic Information Systems to the Assessment and Management of Mining Impact: A Project Outline. *Proceedings of the Northern Australian Remote Sensing and GIS (NARGIS) conference Darwin*
43. **Evans, K.G.**, Willgoose, G.R. and Saynor, M.J. 1998. Incorporation of landform evolution modelling in mine rehabilitation planning. In *Proceedings 5th International symposium on environmental issues and waste management in energy and mineral production, SWEMP'98 Ankara, Turkey. May 18-20, 1998*.
44. **Evans, K.G.**, Moliere, D.R., Saynor, M.J., Willgoose, G.R. and Loch, R.J. 1999. Hydrology of an abandoned uranium mine waste rock, Northern Territory. pp. 57-62 *Water 99 – hydrology & water resources symposium / water resources & environmental research*. Brisbane July 1999.
45. Hancock, G.R., Willgoose, G.R, Moliere, D.R., Saynor, M.J. and **Evans, K.G.** 1998. The validation of a physically based landscape evolution model using experimental post mining and natural catchments (Abstract). In *Outline and Abstracts 8th Australian and New Zealand Geomorphology Group Conference, Goolwa, South Australia 15th-20th November 1998*.
46. Saynor, M.J. and **Evans, K.G.** 1997. The effects of vegetation and surface ripping on erosion and hydrology of the Ranger Uranium Mine, waste rock dump (Abstract). In *Outline and Abstracts 7th Australian and New Zealand Geomorphology Group Conference, Cairns, Queensland 30th September-4th October 1997*.
47. Unger, C.J., **Evans, K.G.**, Saynor, M.J. and Willgoose, G.R. 1996. Incorporation of landform design and erosion modelling in mine planning at the Ranger Uranium Mine, Jabiru NT in *Proceedings 3rd International and 21st Annual AMIC Environmental Workshop Newcastle Australia 14-18 October 1996*. (AusIMM Parkville, Victoria).
48. **Evans, K.G.**, Saynor, M.J., Willgoose, G.R. and Unger, C.J., 1996. Erosion assessment for the post-mining landform at Ranger uranium mine, Northern Territory. In *Proceedings Post-mining landform stability and design workshop (Bell, L.C. and McLean, R.W. eds)* Brisbane Queensland 18th-20th September pp. 25-32 (Australian Centre for Minesite Rehabilitation Research: Brisbane)
49. Riley, S.J. and **Evans, K.G.** 1994. Comparison of the results of monitoring and rainfall simulation experiments on large scale plots (Abstract). Institute of Australian Geographers Conference 25th-29th September 1994.
50. **Evans, K.G.** and Riley, S.J., 1994. Planning stable post-mining landforms: The application of erosion modelling in *Proceedings of the AusIMM Annual Conference*, Darwin NT. pp. 411-414 (AusIMM: Parkville, Victoria).
51. **Evans, K.G.** and Riley, S.J., 1993. Surficial hydrology of waste rock dumps - management implications, in *Proceeding of the Waste Rock Dump Symposium 1993 Darwin NT*. Office of the Supervising Scientist, Commonwealth of Australia.
52. **Evans, K.G.**, Loch, R.J., Aspinall, T.O. and Bell, L.C., 1992. Spoil erosion prediction - how far have we advanced?, in *Proceedings of the Third Large Open Pit Mining Conference*, Mackay Qld. (AusIMM: Parkville, Victoria).
53. **Evans, K.G.**, Aspinall, T.O. and Bell, L.C., 1991. Erosion prediction models and factors affecting the application of the Universal Soil Loss Equation to post-mining landscapes in Central Queensland, in *Queensland Coal Symposium*, pp 123-132 (AusIMM: Parkville, Victoria).

Supervising Scientist Report Series- ISSN 1325-1554

The Supervising Scientist Report series (SSR) is the international and national flagship publication of the Australian Government's Supervising Scientist Division and presents the results of environmental monitoring and research by staff and external authors into the impact of uranium mining on the environment of the Alligator Rivers Region of the Northern Territory and research on the sustainable use and environment protection of tropical rivers and their associated wetlands, and also its work on supervision and assessment of uranium mining activities.

Please note, it is Supervising Scientist Division policy for reports in the SSR series to be formally refereed by two independent experts as part of the publications process. The series contains edited volumes presenting short papers on research progress. The edited volumes are not independently reviewed but the short papers are internally reviewed.

Digital copies available at www.environment.gov.au/science/ssd/publications/ssr

Volumes as Author

1. Erskine WD, Saynor MJ, **Evans KG**, Moliere D 2011. *Bedload transport, hydrology and river hydraulics in the Ngarradj Creek catchment, Jabiluka, Northern Territory, Australia*. Supervising Scientist Report 199, Supervising Scientist, Department of Sustainability, Environment, Water, Population and Communities. Darwin NT. (83pp)
ISBN-13: 978-1-921069-17-8
2. Saynor MJ, Erskine WD, **Evans KG** 2006. *Bed material grain size changes in the Ngarradj catchment between 1998 and 2003*. Supervising Scientist Report 188, Supervising Scientist, Darwin NT. (62pp)
ISBN 0 642 24396 4
3. Saynor MJ, Erskine WD, **Evans KG** 2004. *Cross-sectional and scour and fill changes in the Ngarradj catchment between 1998 and 2003*. Supervising Scientist Report 181, Supervising Scientist, Darwin NT.
ISBN 0 642 24392 1
4. **Evans KG**, Moliere DR, Saynor, MJ, Erskine, WD, Bellio MG 2004. *Baseline suspended-sediment, solute, EC and turbidity characteristics for the Ngarradj catchment, Northern Territory, and the impact of mine construction*. Supervising Scientist Report 179, Supervising Scientist, Darwin NT. (75pp)
ISBN 0 642 24393 X
5. Saynor MJ, Erskine WD, **Evans KG** 2003. *Bank erosion in the Ngarradj catchment: Results of erosion pin measurements between 1998 and 2001*. Supervising Scientist Report 176, Supervising Scientist, Darwin NT. (48pp)
ISBN 0 642 24384 0
6. Moliere DR, **Evans KG**, Willgoose GR, Saynor MJ 2002. *Temporal trends in erosion and hydrology for a post-mining landform at Ranger Mine*. Northern Territory. Supervising Scientist Report 165, Supervising Scientist, Darwin NT. (118pp)
ISBN 0 642 24371 9
7. Moliere DR, Boggs GS, **Evans KG**, Saynor MJ, Erskine WD 2002. *Baseline hydrology characteristics of the Ngarradj catchment, Northern Territory*. Supervising Scientist Report 172, Supervising Scientist, Darwin NT. (58pp)
ISBN 0 6422 4363
8. Boggs GS, Devonport CC, **Evans KG**, Saynor MJ, Moliere DR 2001. *Development of a GIS based approach to mining risk assessment*. Supervising Scientist Report 159, Supervising Scientist, Darwin.

(58pp)

ISBN 0 6422 4363 8

9. Erskine WD, Saynor MJ, **Evans KG**, Boggs GS 2001. *Geomorphic research to determine the off-site impacts of the Jabiluka Mine on Swift (Ngarradj) Creek, Northern Territory*. Supervising Scientist Report 158, Supervising Scientist, Darwin. (52pp)

ISBN 0 642 24362 X

10. **Evans, Kenneth G**, Willgoose, Garry R, Saynor, Michael J, House, Tony, 1998. *Effect of vegetation and surface amelioration on simulated landform evolution of the post-mining landscape at ERA Ranger Mine, Northern Territory*. Supervising Scientist Report 134, Supervising Scientist, Canberra. (119pp).

ISBN 0 642 24337 9

Volumes as Editor

1. Jones DR, **Evans KG**, Webb A (eds) 2007. *eriss research summary 2005–2006*. Supervising Scientist Report 193, Supervising Scientist, Darwin NT (201pp).

ISBN-13: 978 1 921069 02 4

ISBN-10: 1 921069 02 3

2. **Evans KG**, Ravis-Hermann J, Webb A, Jones DR (eds) 2006. *eriss research summary 2004-2005*. Supervising Scientist Report 189, Supervising Scientist, Darwin NT (227pp).

ISBN 0 642 24397 2

3. Ravis-Hermann J, **Evans KG**, Webb AL, Pidgeon RWJ (eds) 2002. *Environmental Research Institute of the Supervising Scientist research summary 1995–2000*. Supervising Scientist Report 166, Supervising Scientist, Darwin NT. (213pp)

ISBN 0 642 24372 7

Papers in Edited Volumes

1. Saynor M, Turner K, Houghton R, **Evans KG** 2010. Revegetation trial and demonstration landform – erosion and chemistry studies. In *eriss research summary 2008–2009*. eds Jones DR, Webb A, Supervising Scientist Report 201, Supervising Scientist, Darwin NT, 109–112.
2. Moliere D, Turner K, **Evans KG**, Saynor M 2010. Defining the geomorphic characteristics of Gulungul Creek catchment. In *eriss research summary 2008–2009*. eds Jones DR, Webb A, Supervising Scientist Report 201, Supervising Scientist, Darwin NT, 106–108.
3. Hancock G, **Evans KG** 2010. Validation of the SIBERIA model, its erosion parameters and erosion rate predictions. In *eriss research summary 2008–2009*. eds Jones DR, Webb A, Supervising Scientist Report 201, Supervising Scientist, Darwin NT, 115–118.
4. **Evans KG**, Hancock GR, Lowry JBC, Coulthard TJ 2010. Assess the impact of extreme rainfall events on Ranger rehabilitated landform geomorphic stability using the CAESAR landscape evolution model. In *eriss research summary 2008–2009*. eds Jones DR, Webb A, Supervising Scientist Report 201, Supervising Scientist, Darwin NT, 113–114.
5. **Evans KG**, Turner K, Saynor MJ 2010. Monitoring sediment movement in Ngarradj. In *eriss research summary 2008–2009*. eds Jones DR, Webb A, Supervising Scientist Report 201, Supervising Scientist, Darwin NT, 188–189.
6. **Evans KG**, Moliere D 2010. Assessment of the significance of extreme events in the Alligator Rivers Region – impact of Cyclone Monica on Gulungul Creek catchment, Ranger mine site and Nabarlek area. In *eriss research summary 2008–2009*. eds Jones DR, Webb A, Supervising Scientist Report 201, Supervising Scientist, Darwin NT, 179–184.

7. **Evans KG**, Moliere D 2010. Assessment of suspended sediment movement upstream and downstream of Ranger In eriss research summary 2008–2009. eds Jones DR, Webb A, Supervising Scientist Report 201, Supervising Scientist, Darwin NT, 185–186.
8. Staben G, Saynor MJ, Moliere DR, Hancock GR, Evans KG 2009. Assessment of the significance of extreme events in the Alligator Rivers Region – impact of Cyclone Monica on Gulungul Creek catchment, Ranger minesite and Nabarlek area. In eriss research summary 2007–2008. eds Jones DR, Webb A, Supervising Scientist Report 200, Supervising Scientist, Darwin NT, 172–177.
9. Saynor MJ, **Evans KG**, Lu P 2009. Erosion studies of the Ranger revegetation trial plot area. In eriss research summary 2007–2008. eds Jones DR, Webb A, Supervising Scientist Report 200, Supervising Scientist, Darwin NT, 125–195.
10. **Evans KG**, Hancock GR, Lowry JBC, Coulthard TJ 2009. Assess the impact of extreme rainfall events on Ranger rehabilitated landform geomorphic stability using the CAESAR landscape evolution model. In eriss research summary 2007–2008. eds Jones DR, Webb A, Supervising Scientist Report 200, Supervising Scientist, Darwin NT, 100–105
11. Moliere DR, **Evans KG**, Saynor MJ 2009. Development of catchment geomorphic characteristics of Gulungul Creek – monitoring results. In eriss research summary 2007–2008. eds Jones DR, Webb A, Supervising Scientist Report 200, Supervising Scientist, Darwin NT, 166–169.
12. Moliere DR, Saynor MJ, **Evans KG** 2008. Monitoring sediment movement and hydrology in the Ngarradj catchment. In eriss research summary 2006–2007. Jones DR, Humphrey C, van Dam, R, Webb, A (eds), Supervising Scientist Report 196, Supervising Scientist, Darwin NT, 140-141.
13. Moliere DR, **Evans KG**, Turner K 2008. Assessment of continuous Magela Creek turbidity data upstream and downstream of Ranger. In eriss research summary 2006–2007. Jones DR, Humphrey C, van Dam, R, Webb, A (eds), Supervising Scientist Report 196, Supervising Scientist, Darwin NT, 124-130.
14. Moliere DR, Evans KG, Saynor MJ 2008. Monitoring of sediment movement in Gulungul Creek. In eriss research summary 2006–2007. Jones DR, Humphrey C, van Dam, R, Webb, A (eds), Supervising Scientist Report 196, Supervising Scientist, Darwin NT, 119-123.
15. Frostick A, Bollhöfer A, Parry D, Munksgaard N, Evans KG 2008. Radio- and lead isotopes in sediments of the Alligator Rivers Region (PhD project). In eriss research summary 2006–2007. Jones DR, Humphrey C, van Dam, R, Webb, A (eds), Supervising Scientist Report 196, Supervising Scientist, Darwin NT, 79-83.
16. **Evans KG**, Lowry JBC, Coulthard TJ, Hancock GR 2008. Assess the impact of extreme rainfall events on Ranger rehabilitated landform geomorphic stability using the CAESAR landform evolution mode. In eriss research summary 2006–2007. Jones DR, Humphrey C, van Dam, R, Webb, A (eds), Supervising Scientist Report 196, Supervising Scientist, Darwin NT, 74-78.
17. Lowry, JBC, Evans KG 2008. Assess the geomorphic stability of the currently proposed final landform at the Ranger mine using landform evolution modelling. In eriss research summary 2006–2007. Jones DR, Humphrey C, van Dam, R, Webb, A (eds), Supervising Scientist Report 196, Supervising Scientist, Darwin NT, 72-73
18. Staben G, Saynor MJ, Moliere DR, **Evans KG**, Hancock GR, Lowry JBC, Fox G., Calvert G 2008. Assessment of the significance of extreme events in the Alligator Rivers Region: Impact of Cyclone Monica on stream sediment loads resulting from tree fall in the Gulungul Creek catchment. In eriss research summary 2006–2007. Jones DR, Humphrey C, van Dam, R, Webb, A (eds), Supervising Scientist Report 196, Supervising Scientist Division, Darwin NT, 131-136.
19. Lowry J, **Evans KG**, Moliere DR, Hancock GR 2007, Geomorphic stability of the currently proposed final landform at the Ranger mine using landform evolution modelling. In eriss research summary

- 2006–2007. Jones DR, Evans KG, Webb A (eds), Supervising Scientist Report 193, Supervising Scientist, Darwin NT, 69-71
20. **Evans KG**, Saynor MJ, Moliere DR 2007. Assessment of the significance of extreme events in the Alligator Rivers Region. In *eriss research summary 2006–2007*. Jones DR, Evans KG, Webb A (eds), Supervising Scientist Scientist Report 193, Supervising Scientist, Darwin NT, 72
21. Moliere DR, Saynor MJ, **Evans KG** 2007. Monitoring sediment movement along Gulungul Creek during mining operations and following rehabilitation. In *eriss research summary 2006–2007*. Jones DR, Evans KG, Webb A (eds), Supervising Scientist Scientist Report 193, Supervising Scientist, Darwin NT, 114-117
22. Moliere DR, Saynor MJ, **Evans KG** 2007. Monitoring sediment movement at Jabiluka. In *eriss research summary 2006–2007*. Jones DR, Evans KG, Webb A (eds), Supervising Scientist Scientist Report 193, Supervising Scientist, Darwin NT, 126-128
23. Saynor MJ, Erskine WD, Moliere DR, **Evans KG** 2007. Stream bedload characterisation: Ngarradj catchment. In *eriss research summary 2006–2007*. Jones DR, Evans KG, Webb A (eds), Supervising Scientist Scientist Report 193, Supervising Scientist, Darwin NT, 129-134
24. Moliere DR, Saynor, MJ, **Evans KG** 2006. Quantifying stream sediment transport characteristics for Gulungul Creek to assess the impact of mine site erosion and rehabilitation performance of Ranger mine. In *eriss research summary 2004–2005*, eds KG Evans et al, SSR189, 112–115.
25. Lowry JBC, **Evans KG** 2006. Assessing geomorphic stability of the currently proposed final landform at the Ranger mine using landform evolution modelling. In *eriss research summary 2004–2005*, Evans KG, Ravis-Hermann J, Webb A, Jones DR (eds), Supervising Scientist Scientist Report 189, Supervising Scientist, Darwin NT, 77–79.
26. **Evans KG**, Willgoose GR 2006. Reliability assessment of Siberia model outputs. In *eriss research summary 2004–2005*, Evans KG, Ravis-Hermann J, Webb A, Jones DR (eds), Supervising Scientist Scientist Report 189, Supervising Scientist, Darwin NT, 75–76.
27. Evans KG, DR Moliere, MJ Saynor, WD Erskine, MG Bellio 2006. Monitoring suspended sediment at Jabiluka 1998–2003: establishing baseline. In *eriss research summary 2004–2005*, Evans KG, Ravis-Hermann J, Webb A, Jones DR (eds), Supervising Scientist Scientist Report 189, Supervising Scientist, Darwin NT 123-129
28. Moliere DR, MJ Saynor, KG Evans 2006. Monitoring suspended sediment at Jabiluka: 2003–2005 In *eriss research summary 2004–2005*, Evans KG, Ravis-Hermann J, Webb A, Jones DR (eds), Supervising Scientist Scientist Report 189, Supervising Scientist, Darwin NT 127-129
29. Saynor MJ, WD Erskine, DR Moliere, KG Evans 2006. Baseline stream channel stability characteristics in the Ngarradj catchment In *eriss research summary 2004–2005*, Evans KG, Ravis-Hermann J, Webb A, Jones DR (eds), Supervising Scientist Scientist Report 189, Supervising Scientist, Darwin NT. 130-133.
30. Saynor MJ, WD Erskine, KG Evans, I Eliot 2006. Gully initiation near the Jabiluka project area In *eriss research summary 2004–2005*, Evans KG, Ravis-Hermann J, Webb A, Jones DR (eds), Supervising Scientist Scientist Report 189, Supervising Scientist, Darwin NT 134
31. Saynor MJ, WD Erskine, KG Evans 2006. Scour and fill in the Ngarradj catchment between 1998 and 2003. In *eriss research summary 2004–2005*, Evans KG, Ravis-Hermann J, Webb A, Jones DR (eds), Supervising Scientist Scientist Report 189, Supervising Scientist, Darwin NT 139-142.
32. Saynor MJ, WD Erskine, KG Evans 2006. Cross-sectional changes in the Ngarradj catchment between 1998 and 2003. In *eriss research summary 2004–2005*, Evans KG, Ravis-Hermann J, Webb A, Jones DR (eds), Supervising Scientist Scientist Report 189, Supervising Scientist, Darwin NT. 143-146.

33. Saynor MJ, **Evans KG** 2002. Sediment loss from a waste rock dump, Ranger mine, northern Australia. In *eriss research summary 1995–2000*, Rovis-Hermann J, Evans KG, Webb A, Pidgeon RWJ (eds), Supervising Scientist Scientist Report 166, Supervising Scientist, Darwin NT, 53–60.
34. Boggs GS, **Evans KG**, Devonport CC, Saynor MJ 2002. Integration of GIS and modelling techniques for impact assessment at Jabiluka Mine, Northern Territory. In *eriss research summary 1995–2000*, Rovis-Hermann J, Evans KG, Webb A, Pidgeon RWJ (eds), Supervising Scientist Scientist Report 166, Supervising Scientist, Darwin NT, 42–47.
35. Grabham MK, Hancock GR, **Evans KG** 2002. An erosion assessment of the former Nabarlek uranium mine, Northern Territory. In *eriss research summary 1995–2000*, Rovis-Hermann J, Evans KG, Webb A, Pidgeon RWJ (eds), Supervising Scientist Scientist Report 166, Supervising Scientist, Darwin NT, 48–52.
36. Moliere DR, **Evans KG**, Saynor MJ, Erskine WD 2002. Suspended sediment loads in the receiving catchment of the Jabiluka uranium mine site, Northern Territory. In *eriss research summary 1995–2000*, Rovis-Hermann J, Evans KG, Webb A, Pidgeon RWJ (eds), Supervising Scientist Scientist Report 166, Supervising Scientist, Darwin NT, 37–41.
37. Moliere DR, **Evans KG**, Willgoose GR 2002. Temporal trends in erosion and hydrology for a post-mining landform at Ranger Mine In *eriss research summary 1995–2000*, Rovis-Hermann J, Evans KG, Webb A, Pidgeon RWJ (eds), Supervising Scientist Scientist Report 166, Supervising Scientist, Darwin NT, 31–36.
38. **Evans KG**, Saynor MJ, Hancock GR 2001. Rehabilitation at Nabarlek: Erosion assessment 1999. In the Rehabilitation of Nabarlek uranium mine: Proceeding of workshop DarwinNT Australia 18-19 April 2000. Klessa DA (ed), Supervising Scientist Scientist Report 160, Supervising Scientist, Darwin NT, 40–47.

Internal Reports - Environmental Research Institute of the Supervising Scientist

The Australian Government's Supervising Scientist produces an Internal Report series. Most titles are for internal use or limited distribution only. Some titles will be available online. The report contain a range of information including data sets, field and laboratory procedure and analysis and interpretation.

Digital copies available at www.environment.gov.au/science/ssd/publications/internal-reports

1. Saynor MJ, Staben G, Hancock G, Fox G, Calvert G, Smith B, Moliere DR, **Evans KG** 2009. Impact of Cyclone Monica on catchments within the Alligator Rivers Region – Data. Internal Report 557, Supervising Scientist, Darwin. Unpublished paper.
2. Moliere DR, Saynor MJ, **Evans KG**, Smith BL 2007. Hydrology and suspended sediment transport in the Gulungul Creek catchment, Northern Territory: 2005–2006 wet season monitoring. Internal Report 518, January, Supervising Scientist, Darwin. Unpublished paper.
3. Moliere DR, Saynor MJ, **Evans KG**, Smith BL 2007. Hydrology and suspended sediment of the Ngarradj catchment, Northern Territory: 2005–2006 wet season monitoring. Internal Report 521, February, Supervising Scientist, Darwin. Unpublished paper.
4. Moliere DR, **Evans KG**, Saynor MJ 2007. Hydrology and suspended sediment transport in the Gulungul Creek catchment, Northern Territory: 2006–2007 wet season monitoring. Internal Report 531, June, Supervising Scientist, Darwin. Unpublished paper.
5. Saynor MJ, Moliere DR, **Evans KG** 2006. Rehabilitation at Nabarlek: Erosion assessment 2005. Internal Report 512, February, Supervising Scientist, Darwin. Unpublished paper.
6. Moliere DR, **Evans KG**, Saynor MJ, Smith BL 2005. Hydrology and suspended sediment of the Ngarradj catchment, Northern Territory: 2003–2004 wet season monitoring. Internal Report 497, February, Supervising Scientist, Darwin. Unpublished paper.
7. Saynor MJ, Smith BL, Fox G, **Evans KG** 2005. Cross section, scour chain and particle size in Gulungul Creek for 2002 to 2004. Internal Report 500, February, Supervising Scientist, Darwin. Unpublished paper.
8. Moliere DR, Saynor MJ, **Evans KG**, Smith BL 2005. Hydrology and suspended sediment of the Ngarradj catchment, Northern Territory: 2004–2005 wet season monitoring. Internal Report 504, August, Supervising Scientist, Darwin. Unpublished paper.
9. Moliere DR, Saynor MJ, **Evans KG**, Smith BL 2005. Hydrology and suspended sediment of the Gulungul Creek catchment, Northern Territory: 2003–2004 and 2004–2005 wet season monitoring. Internal Report 510, November, Supervising Scientist, Darwin. Unpublished paper.
10. Lowry JBC, Moliere DR, Boggs GS, **Evans KG** 2004. Application of landform evolution modelling to the Nabarlek minesite. Internal Report 480, August, Supervising Scientist, Darwin. Unpublished paper.
11. Saynor MJ, Erskine WD, Smith BL, Fox GJ, **Evans KG** 2004. Cross section and scour chain data in the Ngarradj catchment for 2002 and 2003. Internal Report 481, Supervising Scientist, Darwin. Unpublished paper.
12. Moliere DR, **Evans KG**, Saynor MJ 2003. Hydrology and water quality of the Ngarradj catchment, Northern Territory: 2002/2003 Wet season monitoring. Internal Report 448, August, Supervising Scientist, Darwin. Unpublished paper.

13. Smith BL, Saynor MJ, **Evans KG** 2003. Weathering rates of waste rock from ERA Ranger mine – initial results. Internal Report 464, December, Supervising Scientist, Darwin. Unpublished paper.
14. Saynor MJ, Erskine WD, Smith BL, Fox GJ, **Evans KG** 2002. Cross sectional data and a preliminary assessment of channel changes in the Swift Creek (Ngarradj) catchment between 1998 and 2001. Internal Report 385, Supervising Scientist, Darwin. Unpublished paper.
15. Saynor MJ, Erskine WD, Smith BL, Fox GJ, **Evans KG** 2002. Scour and fill in the Swift Creek (Ngarradj) catchment: Results of scour chains for the 1998/1999, 1999/2000 and 2000/2001 Wet seasons. Internal Report 388, Supervising Scientist, Darwin. Unpublished paper.
16. Saynor MJ, **Evans KG**, Smith BL, Crisp E, Fox G 2001. Field monitoring information for the Swift (Ngarradj) Creek catchment, Northern Territory. Internal Report 355, Supervising Scientist, Darwin. Unpublished paper.
17. Moliere DR, **Evans KG**, Saynor MJ, Boggs GS 2001. Hydrology of the Ngarradj catchment, Northern Territory — 1998–1999 and 1999–2000 Wet season monitoring: Interim Report. Internal Report 366, Supervising Scientist, Darwin. Unpublished paper.
18. Boggs G, **Evans K**, Devonport C 2000. Application of geographic information systems to the assessment and management of mining impact. Progress Report 2 – RUSLE and SIBERIA based assessments of erosion in the Swift Creek Catchment. Internal Report 336, Supervising Scientist, Darwin. Unpublished paper.
19. Puig P, **Evans K**, Devonport C 2000. Rapid assessment of erosion risk in 7J Creek catchment using GIS. Internal Report 343, Supervising Scientist, Darwin. Unpublished paper.
20. Moliere DR, **Evans KG**, Saynor MJ, Erskine WD 2000. Suspended sediment loads in the receiving catchment of the Jabiluka uranium mine site, Northern Territory. Internal Report 347, Supervising Scientist, Darwin. Unpublished paper.
21. Boggs G, Devonport C, **Evans K** 1999. Application of geographic information systems to the assessment and management of mining impact: A project outline. Internal report 320, Supervising Scientist, Canberra. Unpublished paper.
22. Boggs G, Devonport C, **Evans K** 1999. Application of geographic information systems to the assessment and management of mining impact: Progress report 1 – initial GIS development. Internal report 327, Supervising Scientist, Canberra. Unpublished paper.
23. Prendergast JB, Williams RJ, **Evans KG**, Ryan B, Saynor M, Tims S, Boyden J 1999. Progress of revegetation at the former Nabarlek Uranium Mine. September 1999, Internal Report 325, Supervising Scientist, Canberra. Unpublished paper.
24. Prendergast JB, **Evans KG** 1998. Assessment of the environmental impacts of erosion into Swift Creek (Ngarradj) from portal construction at the Jabiluka Mine. Internal report 319, Supervising Scientist, Canberra. Unpublished paper.
25. Moliere DR, **Evans KG**, Riley SJ, Willgoose GR 1997. Erosion and DISTFW hydrology model parameters for Tin Camp Creek catchments, Arnhem Land, Northern Territory. Internal report 237, Supervising Scientist, Canberra. Unpublished paper.
26. **Evans KG**, Johnston A 1997. A review of erosion and hydrology research at *eriss*. Internal report 268, Supervising Scientist, Canberra. Unpublished paper.
27. Saynor MJ, **Evans KG**, Smith BL, Willgoose GR 1996. Experimental study on the effect of vegetation on erosion of the Ranger Uranium Mine waste rock dump: Rainfall simulation data May 1995 erosion and hydrology model calibration. Internal report 200, Supervising Scientist, Canberra. Unpublished paper.
28. **Evans KG**, Saynor MJ, Riley SJ 1996. Ranger uranium mine waste rock dump rainfall simulation

- experiments 1993: Large scale plots – data. Internal report 209, Supervising Scientist, Canberra. Unpublished paper.
29. Hall RN, Smith BL, **Evans KG** 1995. Investigation of soils in the Tin Camp Creek study area June–September 1992: Primary particle size analysis. Internal report 174, Supervising Scientist for the Alligator Rivers Region, Canberra. Unpublished paper.
30. **Evans KG**, Loch RJ, Hall RN, Bagnall CP 1995. USLE parameter values for waste rock material at the Ranger Uranium Mine derived using PSA and the effect of these parameters on erosion rates. Internal report 177, Supervising Scientist for the Alligator Rivers Region, Canberra. Unpublished paper.
31. **Evans KG**, Willgoose GR, Riley SJ 1995. Preliminary report on the derivation of sediment transport model parameters using large scale rainfall simulator data from Ranger Uranium Mine. Internal report 182, Supervising Scientist for the Alligator Rivers Region, Canberra. Unpublished paper.
32. **Evans KG**, Riley SJ, Willgoose GR 1995. Calibration of DISTFW rainfall-runoff model parameters using rainfall simulator data from the cap site at Ranger Uranium Mine NT: Preliminary report. Internal report 183, Supervising Scientist for the Alligator Rivers Region, Canberra. Unpublished paper.
33. Saynor, M.J., **Evans, K.G.**, Smith, B.L. and Willgoose, G.R. 1995. Experimental study on the effect of vegetation on erosion of the Ranger Uranium Mine waste rock dump. Natural rainfall monitoring data - 1994/95 wet season erosion and hydrology model calibration. Internal report 195, Supervising Scientist for the Alligator Rivers Region, Canberra. Unpublished paper.
34. **Evans KG**, Willgoose GR 1994. An experimental study on the effect of vegetation on erosion of the Ranger Uranium Mine waste rock dump: A proposal. Internal report 164, Supervising Scientist for the Alligator Rivers Region, Canberra. Unpublished paper.
35. **Evans KG**, Riley SJ 1993. Regression equations for the determination of discharge through RBC flumes. Internal report 104, Supervising Scientist for the Alligator Rivers Region, Canberra. Unpublished paper.
36. **Evans KG**, Riley SJ 1993. Large scale erosion plots on the Ranger Uranium Mine waste rock dump. Natural rainfall monitoring 1992/93 Wet season: Part 1 hydrology data. Internal report 118, Supervising Scientist for the Alligator Rivers Region, Canberra. Unpublished paper.
37. **Evans KG**, Riley SJ 1993. Large scale erosion plots on the Ranger Uranium Mine waste rock dump: Natural rainfall monitoring 1992/93 Wet season, Part 2 sediment loss data. Internal report 131, Supervising Scientist for the Alligator Rivers Region, Canberra. Unpublished paper.

Others

1. **Evans, K.G.**, 1991. Spoil pile rehabilitation: issues affecting Central Queensland open-cut coal mines, in *Land Management Research, Newsletter*, No. 31 Dec 1991 (Queensland Department of Primary Industries).
2. **Evans, K.G.** and Saynor, M.J. 1996. Vegetation halves run-off on waste rock dump. *Landline* No. 30 Mar 1996 22-23.
3. Grabham MK, Hancock GR, **Evans KG** 2001. Rehabilitation and erosion at Nabarlek mine site. *Supervising Scientist Note* May 2001.

Student Research

Completed:

- George E 1997. Ripped plot hydrology RUM 1993, and wet season monitoring fire and soil sites, WRD, Ranger Mine, 1995-96. BEng(Hons) thesis, University of Newcastle.
- Bell LSJ 1998. Determination of hydrology and erosion model parameters: Natural site adjacent to pit #1 at ERA Ranger Mine, Northern Territory, Australia. BEng(Hons) thesis, University of Newcastle.
- Bell JRW 1998. Monitoring of gully erosion at ERA Ranger Mine, Northern Territory, Australia. BEng(Hons) thesis, University of Newcastle.
- Ferguson R 1999. Ranger Uranium Mine erosion study: spatial variation of Siberia parameters. BEng(Hons) thesis, University of Newcastle.
- Grabham MK 2000. An Erosion Assessment of the Former Nabarlek Uranium Mine, Northern Territory, BEnvSc (Hons) thesis, The University of Newcastle.
- Puig P 2000. Rapid assessment of erosion risk in 7J Creek catchment using GIS. GradDip EnvSc Thesis, Northern Territory University.
- Duffy KA 2001. An erosion assessment of the Jabiluka Uranium Mine, Northern Territory. BEnvSc(Hons) thesis, University of Newcastle.
- Garland AJ 2002. Changes in hydrology of a mine-impacted catchment, Nabarlek, Northern Territory, Australia. BEnvSc(Hons) thesis, University of Newcastle.
- Moliere DR 2002. Temporal trends in erosion and hydrology for a post-mining landform at Ranger Mine, Northern Territory. MEng research & thesis, University of Newcastle.
- Boggs GS 2003. Application of Geographic Information Systems to the Assessment and Management of Mining Impact. PhD Thesis, Charles Darwin University.
- Patterson RG, 2014. Upper Darwin Harbour Dye Study Palmerston Outfall. BEng(Civil) Thesis, Charles Darwin University
- Hornhardt R, 2014. Tailings Deposition Simulation & Analysis to Prevent Upstream Embankment Raise Failure. BEng(Civil) Thesis. Charles Darwin University.
- Paras VS, 2014. A feasibility study on applying the Guidelines for the Environmental Assessment of Marine Dredging in the Northern Territory as described in the NT EPA Act 2013. MEng(Civil) Thesis. Charles Darwin University
- AO X, 2016. Calibrating the CAESAR landform evolution model for application to rehabilitation construction at Ranger Mine NT. MEng(Civil) Thesis. Charles Darwin University
- Thapa R, 2016 Impact of an unmanaged Ephemeral Stream on Channel Irrigation, Sumba, Eastern Indonesia. MEng(Civil) Thesis. Charles Darwin University
- Lamsal B, 2016. An engineering solution to drain permanently flooded rice paddy fields to increase agricultural productivity, Sumba, East Nusa Tenggara, Indonesia. BEng(Civil)(hons) Thesis. Charles Darwin University.
- Miller JR, 2017. Investigating groundwater resources to assess possible impact of planned agricultural development on village groundwater wells, Sumba, NTT province, eastern Indonesia. BEng(Civil) Thesis. Charles Darwin University.
- Georgiou A, 2017. Calibrating CAESAR-Lisflood landscape evolution model to observed hydrology, Gulungul Creek, NT. BEngSc(Civil) Thesis. Charles Darwin University

- Kieran S, 2017. Hydrological Data Collection and Analysis: A Sustainable Open Source Approach to Aid Under-serviced Communities. BEngSc(Civil) Thesis. Charles Darwin University
- Villacotta S, 2018. Geomorphological-hydrological evolution of the alluvial fan, Lima and implications for climate change. PhD, Polytechnic University of Madrid.

Current:

- Staben G, 2012-present. Investigating the impact of tropical cyclones on natural vegetation communities across northern Australia using remotely sensed data. PhD, University of Tasmania.
- Tonyes SG, 2012-present. Non-cohesive sediment dynamics, provenance and transport processes in Darwin Harbour, Northern Territory. PhD, Charles Darwin University.