“Source to Sink” Sedimentology and Petrology of a Dryland Fluvial System, and Implications for Reservoir Quality, Lake Eyre Basin, Central Australia.

Saju Menacherry
Bachelor of Science (Geology), University of Calicut, India.
Master of Science (Geology), University of Kerala, India.

Thesis submitted in fulfilment of the requirements for the degree of Doctor of Philosophy

Australian School of Petroleum
Faculty of Science
The University of Adelaide
Australia

March 2008
BIBLIOGRAPHY


Lindsay, J.F., and Leven, J.H., 1996, Evolution of a Neoproterozoic to Palaeozoic intracratonic setting, Officer Basin, South Australia: Basin Research, v. 8, p. 403-424.


Magee, J. W., 1993, Quaternary lacustrine events and chronology in the Lake Eyre basin: Quaternary Australasia, v. 11, p. 67-68.


Reilly, M.R.W, 2007, Facies distribution within a dryland river channel belt and terminal splay complex, Umbum Creek, Lake Eyre, Central Australia [unpublished Ph.D. dissertation], University of Adelaide, Adelaide,


APPENDIX – TABLE OF CONTENTS

Appendix 1: Litho-stratigraphical database of 783 drill cores.
Appendix 2: Details of 43 provenance lithotype thin section.
Appendix 3: Details of 71 grain categories used for thin section study.
Appendix 4: Modal analysis dataset of provenance lithotype samples.
Appendix 5: Database of up and down stream modern sand sieve analysis.
Appendix 6: Statistical calculation of sieve analysis dataset using Gradistat.
Appendix 7: Frequency distribution calculation of sieve analysis dataset.
Appendix 8: Cumulative distribution calculation of sieve analysis dataset.
Appendix 9: Modal analysis dataset of modern sand samples.
Appendix 10: Tabulated modal analysis dataset of modern sand samples using categories and QFL ratio.
Appendix 11: Tabulated dataset detailing the distribution of grain type versus grain size.
Appendix 12: Predicted provenance lithotype mixing in generated sediment using translator and full grid combination.
Appendix 13: Predicted provenance lithotype mixing in generated sediment using translator and limited grid combination.
Appendix 14: Observed provenance lithotype mixing in generated modern sand sediment.
Appendix 15: Comparison of predicted and observed grain dataset in provenance lithotype mixing with respect to each sample location.
Appendices 1 – 15 are only available in CD-Rom format and are held in the University of Adelaide Library.