



David Phillips

Nationality: New Zealand

Profession: Engineer

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PRESENT POSITIONS:

- Associate Professor, Unitec Institute of Technology, Auckland New Zealand
- Consulting Engineer/Researcher/Advanced Practice

SPECIALISATION:

Civil Infrastructure, Stormwater and On-site Wastewater Management: Investigation/Planning/Design, Catchment Management and Flood Protection, Coastal Research/Modelling/Management and Development, Erosion & Sediment Control, Environmental Effects Assessment and Environmental Engineering, Project Planning and Management

YEARS OF EXPERIENCE:

- Consulting since 1998

KEY QUALIFICATIONS:

- Associate Professor (Awarded 2012)
- PhD (Waikato University – 2005)
- Certificate in Adult Learning and Education (Unitec – 2003)
- BTech(Env)(Honours) (Unitec – 1995)
- Certificate in Landscaping (Carrington Polytechnic – 1992)
- Diploma in Environmental Technology (Carrington Polytechnic – 1992)
- NZCE (Civil) (Christchurch Polytechnic and Carrington Polytechnic – 1989)

PROFESSIONAL MEMBERSHIPS AND DIRECTORSHIPS:

- Chartered Professional Engineer (CPENG - Civil, Env)
- Fellow of the Technical Group of Engineering New Zealand
- International Professional Engineer (IntPE)
- Past Associate Member New Zealand Institute of Surveyors (ANZIS)
- Water New Zealand
- Member New Zealand Coastal Society (Technical Group of Engineering New Zealand)
- Engineering New Zealand Special Stormwater Group
- NZ Society for Sustainability Engineering and Science
- NZ Contractors Federation

Profession and Industry Committee/Board Memberships

- CETENZ Board (Chairman elected 2012). Committee 2010-2014.
- NZ Board of Engineering Diplomas (NZBED) Elected on April 2013, and Management Committee till April 2013 for previous 2 years.
- NZBED Civil Management Sub-Committee 2 years till April 2013.

- Institute of Professional Engineers (IPENZ) NZ Degree Accreditation panel member (NZIHT review 2011).
- Company Director PC Ltd (NZ) and ESV Ltd (Fiji), shareholder eCoast.

Directorships

David is a director of two companies involved in the consulting engineering field and tourism industries (Eco Surf Viti Ltd – reg. Fiji), and a shareholder of eCoast.

PERSONAL STATEMENT:

David has an interest in the areas of stormwater infrastructure design, coastal development and engineering, low impact design, water quality and quantity, on-site wastewater, environmental impact assessment, catchment management, flooding, sediment and erosion control, and particularly in the sustainability of the coastal marine area due to the importance this zone has in society. It is the place where people want to increasingly live and play but continues to come under pressure from development in the catchment, coastal erosion, pollution and sediment run-off to our waterways which discharge to the coast and climate change.

He is actively involved in both research, consulting and lecturing and is a Chartered Professional Engineer (CPENG) and Fellow of the Institute of Professional Engineers New Zealand (FIPENZ), as well as a past associate member of the New Zealand Institute of Surveyors. He is also a member the IPENZ Coastal Technical Group, New Zealand Water, the Special Stormwater Technical Group and Sustainability Society and has been actively involved with the Civil Contractors NZ Auckland branch and on various boards, steering and working groups, and committees (e.g. IPENZ Working Group for new membership categories (2016/17, E2E NZ Qualifications Steering Group, Ports of Auckland Future Study Working Group, EPA Stormwater expert review panel for NZTA East West Link). He has worked across the spectrum in both consulting (e.g. Chester Consulting, eCoast, Murray North, Works Consulting Ltd, Opus), local body (e.g. North Shore Drainage Board), tertiary education (Unitec - School of Engineering), project management (e.g. ASR Ltd, Morphem Environmental Ltd), and contracting (Hick Construction Meridian Te Uku Windfarm 2 environmental management) related to various areas of civil/environmental/coastal engineering, surveying and construction since 1986. He has published numerous research papers and technical reports and supervised a large number of student research projects for industry.

Recent consulting projects have included a review of the stormwater impacts on the marine environment for the Auckland Transport Lincoln Rd major upgrade consents for AECOM, infrastructure assessments and stormwater design, flood hazard reports, drainage design, on-site wastewater design including a large hospital/aged café for Resource Consent, detention tank design, low impact design including swales, dispersion trenches and treatment devices to TP10, erosion and sediment control plans, catchment assessment, environmental impact assessments and coastal projects including stormwater discharges to Lyall Bay for Wellington City Council.

WORK HISTORY

2016 – present Assoc. Professor/advanced practice consultant/ researcher.

2010 (Jan) Head of the Civil Engineering Department, Assoc. Professor (2012)
Consultant/Researcher, Company Director.

2002 – 2009 Unitec NZ, Senior Lecturer. Part-time study for PhD.

1998 - 2002 Unitec NZ, Auckland. Engineering School Programme Director.

1993 - 1998 Unitec NZ, Auckland. Engineering Lecturer/Senior Environmental Technologist/Dive Officer.

1992 - 1993 RTS Ltd, Auckland. Construction and Drainage Contractor.

1991 - 1992 Site Engineer and Construction, London, UK (contractor).

1989 - 1991 Works Consultancy Services and Works Infrastructure, Christchurch. Engineer/Surveyor.

1988 - 1989 North Shore Drainage Board, Auckland. Civil Engineer.

1985 - 1988 Murray North Partners Ltd, Auckland. Civil Engineering Cadetship

SPECIALISED SKILLS/TRAINING AND OTHER BACKGROUND

- David has technical skills that include knowledge and practical experience in both environmental assessment, engineering design, erosion and sediment management, project management and also scientific investigations and coastal modelling, which are supported by qualifications in these areas (civil, environmental and coastal), including a PhD in hydrodynamics and sediment transport.
- He has a working knowledge of the Auckland Council's Code of Practices related to engineering design, and the various ARC publications such as TP10, 58, 108, 124 and new codes (GD05), and Environment Waikato Erosion and Sediment Control Guidelines. He has been involved in a wide variety and scale of projects, from research investigations and analysis, engineering infrastructure design, water quality, catchment assessment, erosion and sediment control, coastal management, GIS mapping, numerical modelling, peer review, contract and construction supervision, landscape and riparian enhancement, and certification of works (Producer Statements).
- Dr Phillips has written numerous technical reports, and published many research papers in both international journals and at industry conferences and is an excellent communicator and public speaker. His work as an Associate Professor in the Civil Engineering Department has included leading courses in Stormwater Design and Assessment, Water and Soil Conservation, Coastal Engineering, Environmental Impact Assessment, Sustainable Design and Construction, Civil Construction Practices, Subdivision Design – Water and Wastewater and Project Management. He has also supervised numerous student research projects with industry.
- Memberships include IPENZ where David is a Chartered Professional Engineer, Coastal Technical Group, Water NZ, Special Stormwater Technical Group, and the NZ Society for Sustainability Engineering and Science and Civil Contractors NZ.

PUBLICATION SUMMARY

Refereed Conference and Journal Papers (Selection)

Mead, S., Atkin, E. and **D. Phillips**. 2017. The Rise and Fall (and Rise) of Winston Island. Coasts and Ports, Cairns, Australia. IPENZ and IEAust.

Phillips, D., Mead S. and M. Emeny. 2017. Lyall Bay Coastal Remediation. Coasts and Ports, Cairns, Australia. IPENZ and IEAust.

Li, J., DeCosta, G., & **Phillips, D.** 2016. *Simplified Model Forecasting Changes to Groundwater Table and Land Lost Due To Sea Level Rise*. IAHR (Ed.), 20th Congress of the Asia Pacific Division of the International Association for Hydro-Environment Engineering & Research (IAHRAPD) (pp.8).

Yu, R., Mahmood, B., DeCosta, G., & **Phillips, D.** 2016. *Application of Floating Vegetative Pads (FVP) to Improve Storm Water Quality - A Pilot Scale Study*. IAHR (Ed.), 20th Congress of the Asia Pacific Division of the International Association for Hydro-Environment Engineering & Research (IAHRAPD) (pp.8).

S. D Greer, R McIntosh, S. Harrison, **D Phillips** and S. Mead. 2015. Understanding Water Quality in Raglan Harbour. Coasts and Ports 2015. The 22nd Australasian Coastal and Ocean Engineering Conference and the 15th Australasian Port and Harbour Conference. The Australian Institute of Engineers and IPENZ. 15-18 September 2015.

Estrin, A and **D. Phillips**. 2014. Wairaka Stream Daylighting Project. Stormwater. NZ Water Conference. Christchurch 14-16 May.

Mead, S., **Phillips, D.**, and T. Haggitt. 2011. *Development of a Geographic Information System (GIS) to Determine the Vulnerability of Regionally Significant Marine Receiving Environments to Land-Use Impacts (Sediment and contaminants)*. Coasts and Ports, Sept 2011, Perth Australia.

Clarke, C., Preston, L., **Phillips, D.**, and Fourie, L. 2010. Getting on Track for Sustainability in Education. Observations from the Unitec Environmental Sustainability Program. Transitions to Sustainability.

Proceedings of the 4th International Conference on Sustainability Engineering and Science, Auckland, NZ, Nov 30 - Dec 3. <http://www.nzsses.auckland.ac.nz/conference/2010/index.htm>.

Phillips, D., Mead, S.T., Harrison, S., Frazerhurst, J., Dodet, G., Klinginger, C. and Borrero, J. 2009. *Oceanography in the Public Interest: Tales from Raglan*. Coasts and Ports. The 19th Australasian Coastal and Ocean Engineering Conference and the 12th Australasian Port and Harbour Conference. The Australian Institute of Engineers and IPENZ. 16-18 September 2009, Te Papa Wellington.

Harrison, S.R., Borrero, J.C., Klinginger, C., Mead, S.T., **Phillips, D.** 2009. *Hydrodynamic Modelling of Whaingaroa Harbour*. Coasts and Ports. The 19th Australasian Coastal and Ocean Engineering Conference and the 12th Australasian Port and Harbour Conference. The Australian Institute of Engineers and IPENZ. 16-18 September 2009, Te Papa Wellington.

Phillips, D., and Mead, S. Background and Field Investigations of a Modelling Study at the Raglan Harbour Delta and the Relationship to Amenity and Value as a Coastal Asset 2009. A Preliminary Design Case Study. International Multi-Purpose Reef (IMPR) Conference 2009. Port Elizabeth, South Africa. *Reef Journal*, Vol. 1, October 2009. (Accepted in Press).

Non-Refereed Conference and Poster Papers (Selection)

Phillips, D. 2016. Cyclone in Fiji, Community in Tonga, Beach in Wellington, Hospital in Auckland. An Overview of Research Projects with Impact: Positive and Negative Natural and Human Induced Benefits and Effects on our Society, Environment and Practice. Unitec Research Symposium.

Greer, D., **Phillips, D.**, Borrero, J., Mead, S., Stark, N., and Harrison, S. (2010). The Whaingaroa (Raglan) Harbour Project. NZ Coastal Society Conference. Whitianga, 17-19 November.

Mead, S.T., Haggitt, T., and **Phillips, D.** (2010). Development of A GIS to Determine the Vulnerability of Regionally Significant Marine Receiving Environments to Land-Use Impacts. NZ Coastal Society Conference. Whitianga, 17-19 November.

Phillips, D. (2010). Whaingaroa (Raglan) Harbour State of the Environment Literature Review. NZ Coastal Society Conference. Whitianga, 17-19 November.

Haggitt, T. Mead, S. and **Phillips, D.** 2007. Development of a Management Tool to Assess Sedimentation Related Impacts on Auckland's Coastal and Marine Environment. Paper at the IPENZ Coastal Society Conference 21-23 November 2007, Tauranga. NZ.

Morehu, K. and **Phillips, D.** 2006. Sustainable Management of Ūrupā Sites at Te One Rangatira (Muriwai Beach). Poster Paper presented at the New Zealand Coastal Society Annual Conference, Kaikoura, NZ.

Latu, K., Carey, B., **Phillips, D.**, Smith, G. and Peters, G. 2004. Waiheke Island (Blackpool and Little Oneroa) Water Quality Assessment. Poster Paper presented at the New Zealand Water and Wastes Stormwater Conference, Rotorua, NZ.

Conference Presentations (Selection)

Phillips, D. 2016. Cyclone in Fiji, Community in Tonga, Beach in Wellington, Hospital in Auckland. An Overview of Research Projects with Impact: Positive and Negative Natural and Human Induced Benefits and Effects on our Society, Environment and Practice. Unitec Research Symposium.

Mead, S., **Phillips, D.**, and T. Haggitt. 2011. *Development of a Geographic Information System (GIS) to Determine the Vulnerability of Regionally Significant Marine Receiving Environments to Land-Use Impacts (Sediment and contaminants)*. Coasts and Ports, Sept 2011, Perth Australia.

Greer, D., **Phillips, D.**, Borrero, J., Mead, S., Stark, N., and Harrison, S. 2010. The Whaingaroa (Raglan) Harbour Water Quality Project including Stormwater and Wastewater Impacts. NZ Coastal Society Conference. Whitianga, 17-19 November.

Mead, S.T., Haggitt, T., and **Phillips, D.** 2010. Development of A GIS to Determine the Vulnerability of Regionally Significant Marine Receiving Environments to Land-Use Impacts. NZ Coastal Society Conference. Whitianga, 17-19 November.

Phillips, D. 2010. Whaingaroa (Raglan) Harbour State of the Environment Literature Review. NZ Coastal Society Conference. Whitianga, 17-19 November.

Haggitt, T., Mead, S.T. and **Phillips, D.** 2007. Marine Environment Vulnerability Assessment. Paper presented at the New Zealand Coastal Society Annual Conference, 21-23 November 2007, Tauranga, NZ.

Peer Review (Selection of Work)

Phillips, D. J., S. T. Mead, and M. Emeny, 2017. Lyall Bay Coastal Remediation. *Proceedings of the 23th Australasian Coasts and Ports Conference*, Cairns, Australia, 21-23 June 2017.

Mead, S. T., D. J. **Phillips**, and E. Atkin, 2017. The Rise and Fall (and Rise) of Winston Island.

Proceedings of the 23th Australasian Coasts and Ports Conference, Cairns, Australia, 21-23 June 2017.

EPA Stormwater expert review panel for NZTA East West Link. 2017.

Lincoln RD Upgrade 2016. Auckland Transport Resource Consent application for Stormwater Impacts on the Marine Environment for AECOM.

Mead, S. T., J. C. Borrero, E. Atkin and D. J. **Phillips**, 2015. Application of Climate Change Adaptation, Resilience, and Beach Management Strategies on Coral Islands. *Proceedings of the 22th Australasian Coasts and Ports Conference*, Auckland, New Zealand, 15-18 September 2015.

Naisoso Island – Beach Management and Coastal Engineering Report by Mead, S. eCoast for Relcorp Property Development. April 2013.

Mead, S. T., D. **Phillips** and A. Prime, 2013. Development of a Multi-Purpose Breakwater/Reef at Maqai Eco Surf Resort, Qamea Island, Fiji. *Proceedings of the 21th Australasian Coasts and Ports Conference*, Sydney, Australia, 11-13 September 2013.

Mead, S. T., D. J. **Phillips**, and T. Haggitt, 2011. Development of a GIS to Determine the Vulnerability of Regionally Significant Marine Receiving Environments to Land-Use Impacts. *Proceedings of the 20th Australasian Coasts and Ports Conference*, Perth, Australia, 27-30 September 2011.

Phillips, D. 2011. Peer review of Pt Wells Floor Level Survey for Flooding Assessment for Auckland Council. Morphum Environmental.

Phillips, D. 2011. Technical Peer Review of Morphum Environmental Survey Methodologies for GPS and levelling use for stream surveys and overland flow assessment.

Phillips, D. 2010. Peer review of stormwater outfall survey and levels along Auckland waterfront. Auckland Council.

Harrison, S., J. Borrero, C. Klinginger, S. T. Mead and D. **Phillips**, 2009. Hydrodynamic Modelling of Whaingaroa Harbour. *Proceedings of the 19th Australasian Coasts and Ports Conference*, Wellington, NZ, 16-18 September 2009.

Phillips D., S. T. Mead, S. Harrison J. Frazerhurst, G. Dodet, C. Klinginger and J. Borrero, 2009. Oceanography in the Public Interest: Tales from Raglan. *Proceedings of the 19th Australasian Coasts and Ports Conference*, Wellington, NZ, 16-18 September 2009.

Phillips, D. 2009. Peer Review of Technical Detail Drawings for Roy Clements Treeway Stormwater Project, Mt Albert. Morphum Environmental for Auckland City Council.

Phillips, D. 2009. Technical Review of the Meridian Energy TeUku Windfarm Environmental Consent Conditions. Hick Bros Ltd.

- Phillips**, D. J., and S. T. Mead, 2008. Investigation of a Large Offshore Sandbar at Raglan, New Zealand: Impacts on Surfing Amenity. *Shore and Beach* Vol 76(2) Spring 2008
- Mead S. T., and D. J. **Phillips**, 2007. Temporal and Spatial Variation of a Large Offshore Sandbar at Raglan, NZ. *Proceedings of the 18th Australasian Coasts and Ports Conference*, Melbourne 2007.
- Phillips**, D. 2007. Review of the Proposed Raglan Causeway Construction Project and the Methods of Sediment Control. As requested by the commissioners of the Resource Consent Hearing, Raglan. September 2007.
- Phillips**, D. J., and S. T. Mead, 2006. *Investigation of a Large Sandbar at Raglan, New Zealand: Project Overview and Preliminary Results*. 5th International Surfing Reef Symposium, Lombok, Indonesia, July 31-August 3, 2006. Volume 1: Reef Journal ISSN No:1176-7812.
- Phillips**, D. 2006. Technical Peer Review: Assessment and Scoping Study for Remedial Design Options for Cox's Creek, Auckland. Report prepared by Morphum Environmental Ltd for Metrowater.
- Phillips**, D. 2005. Technical Design Review: Te Uku School Wastewater Treatment System options.
- Mead, S.T. and **Phillips**, D. 2004. Technical Review of Engineering Design and Environmental Aspects, Redvale Limestone Quarry Resource Consent Application. Wainui Protection Society.
- Phillips**, D. J., T. R. Healy, K. P. Black and S. T. Mead, 2003. *Surf Zone Currents and Influence on Surfability*. 3rd International Artificial Surfing Reef Symposium, Raglan, New Zealand 23-25 June 2003. ISBN 0-473-09801-6 2003
- Scarfe, B. E., K. P. Black, A. K. Chong, W. L., de Lange, D. **Phillips** and S. T. Mead, 2003. The Application of Surveying Techniques to Artificial Surfing Reef Studies. *Trans-Tasman Surveyor*, April Edition, 2003.

Research (Incomplete) – Note, many consulting projects incorporate components of research.

- Mead, S. T., T. Haggitt, D. J. **Phillips** and H. Dennis, 2015. *Ecological Enhancement of Marine Environments with the Use of Artificial Reef Structures: A Review*. Funded by UNITEC.
- Mead, S. T., E. Atkin and D. J. **Phillips**, 2011 – on-going. *Sediment Transport Investigations of a West Coast Beach - Repeated Bathymetry and Beach Surveys of Maori Bay for Morphological Modelling and Calibration*. Funded by UNITEC.
- Mead, S. T., E. Atkin and D. J. **Phillips**, 2011. *Development of Numerical Models to Assess Beach Protection Options for Whitianga Beach*. Funded by UNITEC, December 2011.
- Mead, S. T., E. Atkin and D. J. **Phillips**, 2011. *Preliminary Investigation of Offshore Focussing Reefs*. Funded by UNITEC, August 2011.
- Mead S. T., and **Phillips**, D. J., 2005-2006. *Measurement of a Large Ephemereal Sand-Bar Along the Raglan Points*. Funded by UNITEC.
- Mead, S. T., D. J. **Phillips** and K. P. Black, 2004. *Multi-Purpose Reefs for Sustainable Coastal Management*. Proceedings of Littoral2004 Aberdeen, Scotland, UK 20-22 September 2004.

Abstracts

- S. T. Mead, D. **Phillips** and E Atkin, 2017. Surfer's Corner (Lyll Bay) Coastal Remediation Implementation and Amenity Rehabilitation. New Zealand Coastal Society (IPENZ) Conference, Tauranga, New Zealand, 15-17 November 2017.
- Phillips**, D., S. T. Mead, and M. Emery, 2017. Lyll Bay Coastal Remediation. New Zealand Coastal Society (IPENZ) Conference, Tauranga, New Zealand, 15-17 November 2017.
- Mead, S. T., E. Atkin and D. **Phillips**, 2012. Design Optimization of Offshore Focusing MPR's. ASBPA 2012 National Coastal Conference. San Diego, October 2012.
- Mead, S. T., D. J. **Phillips**, and T. Haggitt, 2011. *Development of a GIS to Determine the Vulnerability of Regionally Significant Marine Receiving Environments to Land-Use Impacts*. New Zealand Coastal Society (IPENZ) Conference. Whitianga, New Zealand, 6-9 November, 2010.

Engineering Technical Reports (Selection of Work)

2018

Mead, S. T., J. Davies-Campbell, and D. **Phillips**, 2018. *Independent Review of Weiti Development's Resource Consents and Sediment Discharge to Karepiro Bay*. Prepared for Long Bay Okura Great Park Society, July 2018.

2017

Phillips, D. J., and S. T. Mead, 2017. *Rangitahi Bridge Stormwater and Sediment Management Plan*. Prepared for Raglan Land Company, October 2017.

2016

Atkin, E., S. T. Mead, J. C. Borrero, D. J. **Phillips** and S. O'Neill, 2016. *Development of the Castlecliff Coastal Management Strategy*. Prepared for Whanganui District Council, July 2016.

Mead, S. T., and D. J. **Phillips**, 2016. *Lyall Bay, Wellington: Coastal Remediation*. Prepared for Wellington City Council, June 2016.

Mead, S. T., T. Haggitt and D. J. **Phillips**, 2016. *Future Ports Study: Port of Auckland – Marine Environmental Impacts and Implications*. Prepared for the Consensus Working Group (Auckland Council) within the Ernst and Young Consortium, February 2016.

Phillips, D. 2016. Stormwater Expert Review for the Environmental Protection Agency of the East West Link (NZTA).

Phillips, D. 2016. Stormwater treatment design for large-scale Whangaparoa Boat/Caravan Storage Facility. Resource Consent application to Auckland Council.

Phillips, D. 2015/16. Lyall Bay Stormwater Impacts and Effectiveness Assessment of all outfalls on the beach. Wellington City Council as part of Lyall Bay Coastal Rehabilitation Project.

Phillips, D., 2016. Stormwater design for Subdivision Stormwater Management Area, Gulf Harbour.

2015

Phillips, D., 2015. Stormwater impacts Naisoso Beach, Fiji.

2014

Mead, S. T., J. C. Borrero, D. Greer and D. **Phillips**, 2014. *Woja Causeway Project: Coastal Processes and Feasibility Study*. Report prepared for the Secretariat of Pacific Communities (SPC), specifically the Global Climate Change Alliance: Pacific Small Island States (GCCA:PSIS), February 2014.

2013

Mead, S. T., and D. **Phillips**, 2013. *Development of a Climate Change Resilience Strategy for Woja Atoll Causeway, Republic of the Marshall Islands; Coastal Processes and Preliminary Design*. Report prepared for the Secretariat of Pacific Communities (SPC), specifically the Global Climate Change Alliance: Pacific Small Island States (GCCA:PSIS), December 2013.

Phillips, D. 2013. Stormwater Assessment and Culvert Design. Vunabaka Bay 75 Lot Subdivision and Five Star Resort Development, Vunabaka Bay, Malolo Island, Fiji.

Rankin, S and **Phillips**, D. 2012/13. Engineering Concept Design. Vunabaka Bay 75 Lot Subdivision and Five Star Resort Development, Vunabaka Bay, Malolo Island, Fiji.

Phillips, D. 2012/13. Onsite Wastewater Assessment and Design Report. Vunabaka Bay 75 Lot Subdivision and Five Star Resort Development, Vunabaka Bay, Malolo Island, Fiji.

Mead, S. T., W. Hiliau and D. **Phillips**, 2013. *Final Design of Two Coastal Erosion Options for Eastern Tongatapu, Tonga for Climate Change Resilience*. Report prepared for the Secretariat of Pacific Communities (SPC), specifically the Global Climate Change Alliance: Pacific Small Island States (GCCA:PSIS), June 2012.

Mead, S. T., W. Hiliau and D. **Phillips**, 2013. *Review of Historical and Recent Studies Pertaining to Erosion of Eastern Tongatapu, Tonga for Climate Change Resilience*. Report prepared for the Secretariat of Pacific Communities (SPC), specifically the Global Climate Change Alliance: Pacific Small Island States (GCCA:PSIS), May 2012.

Mead, S. T., E. Atkin, D. Greer and D. **Phillips**, 2013. *Naisoso Island – Beach Management and Coastal Engineering*. Report prepared for Relcorp, April 2013.

2012

Phillips, D. 2012. Sediment Control Application Orewa Beachfront Apartments 379 – 383 Hibiscus Coast Highway, Orewa Peer Review. Chester Consulting Ltd.

Phillips, D. 2012. Section 92(1) Information for RC Application 39536 (Orewa Beach). Report to Auckland Council related to stormwater issues. 15p. As part of eCoast Ltd response to multi-purpose reef project on Orewa Beach. 140p.

Phillips, D. 2012. On-site Wastewater and Stormwater Assessment and Design at 48B Greenhithe Rd, Greenhithe. Building Consent Auckland Council. C. Cardwell c/o BCW Design Ltd. Chester Consulting Ltd.

2011

Phillips, D. 2011. Stormwater Review for Orewa Beach for Auckland Council Resource Consent request for further information under Section 92, Resource Management Act.

Phillips, D. 2011. Peer review of Pt Wells Floor Level Survey for Flooding Assessment for Morpium Environmental and Auckland Council.

2010

Rankin, S., and **Phillips, D.** 2010. Watercare Dam Vegetation Assessment and Remediation Report. Earth Dams in the Auckland Region. Report prepared for Watercare. Auckland, New Zealand, September.

2009

Cole, C., Andrews, P., **Phillips, D.** 2009. Technical Review of the Meridian Energy TeUku Windfarm Environmental Consent Conditions. Hick Bros Ltd.

Phillips, D. 2009. Peer Review of Technical Design for SW Disposal at Ross Roofing Manufacturing Site (Building Consent Application). Morpium Environmental for Ross Roofing Ltd.

Phillips, D. 2009. Technical Review of the Meridian Energy TeUku Windfarm Environmental Consent Conditions. Hick Bros Ltd.

Phillips, D. 2009. Peer Review of Technical Detail Drawings for Roy Clements Treeway Stormwater Project, Mt Albert. Morpium Environmental for Auckland City Council.

Phillips, D. 2009. Project Management and Survey for Ports of Auckland Stormwater Outfall Survey. Morpium Environmental for Metrowater.

Phillips, D. 2009. Design and Modelling of the Stormwater Overland Flow and Discharge Systems for Station Rock Subdivision, Gt Barrier Island. Resource Consent Submission. Morpium Environmental Ltd.

2008

Rankin, S. and **Phillips, D.** 2008. Design of Stormwater System and Report for ARC Consent Approval, and Erosion and Sediment Control Report for NSCC Consent Approval. 56a Tramway Rd, Beach Haven. Chester Consulting Ltd.

Phillips, D. and Young, D. 2008. Assessment of Environmental Impact for failed earth decanting bund, Hicks Bros Civil Ltd. Report to ARC.

Phillips, D. 2008. Erosion and Sediment Control Plan for Oporu bridge/causeway construction in the Raglan Harbour. Raglan Land Co. for Env. Waikato and Waikato District Council consents.

2007

Phillips, D. 2007. Sediment Runoff Threat in the Auckland Region. Technical Report for the ARC. as part of the Marine Environment Vulnerability Assessment for the Auckland Region. To be ARC Technical Publication.

Mead, S. T., T. Haggitt, D. J. **Phillips**, 2007. *Identification of Regionally Significant Marine Receiving Environments in the Auckland Region*. Prepared for Auckland Regional Council, November 2007.

Black, K.P., Mead, S.T. and Moores, A.E, 2007. *Surf Pools Wave Generator Slot Investigations*. Commissioned Research Reports (Surf Parks, USA) Year Published: 2007

2006

Mead, S. T., Black, K. P., J. C. Borrero, J. Frazerhurst, D. Anderson, D. J. **Phillips** and M. Kramer, 2006. *St Francis Bay Beach Project: Feasibility Study*. Prepared for the St Francis Bay Beach Reef Trust, May 2006.

Mead, S. T., and D. J. **Phillips**, 2006. *Henderson-Otahuhu A Transmission Line Tower Refurbishment: Monitoring Report*. Report prepared for Transpower New Zealand Ltd, February 2006.

Phillips, D. 2006. Golden Bay Lake Environmental Assessment. Lone Star Farms.

Phillips, D. 2006. Engineering Assessment of Existing Effluent Disposal System and Catchment Analysis for Flood Protection. 99 Garden Rd, Piha. 20 p + app.

2005

Mead, S. and **Phillips, D.** 2005. Lake Waikere Feasibility Proposal. Potential Sediment Removal Options. Department of Conservation.

Mead, S. and **Phillips, D.** 2005. Options for Meremere Wetland Weir Restoration and Tender Documentation. Department of Conservation.

Mead, S. T., D. J. **Phillips**, K. P. Black and J. Frazerhurst, 2005. *Bay View Beach Nourishment Plan*. Prepared for Fore World Developments Ltd, August 2005.

2004

Mead, S., Matthew, J and **Phillips, D.** 2004. Environmental Impact Assessment of Lead Contamination in Manakau Harbour. Transpower.

Mead, S. T., and D. J. **Phillips**, 2004. *Review of Technical Reports (Ecological and Sediment Control) for the Proposed Redvale Lime-Quarry in Silverdale*. Report prepared for Wainui Environmental Protection Society (Inc.), February 2004.

2002

Phillips, D. 2002. Environmental Assessment for Port of Gisborne Re-Development Project. Port of Gisborne.

Black, K. P., B. Beamsley, J. Mathew, C. Blenkinsopp, S. T. Mead, D. **Phillips** and T. Healy, 2002. *Port Gisborne Expansion: Outline Design Study*. Report prepared for Port of Gisborne Ltd, August 2002.

Mead, S. T., and P. McComb, 2002c. *Design Marine Growth Profile for the Pohokura Platforms*. Report to Shell Todd Oil Services Ltd, August 2002.

Mead, S. T., D. J. Phillips and K. P. Black, 2002. *An Assessment of Aquaculture Potential for Southern Poverty Bay*. Report prepared for Port of Gisborne Ltd, June 2002.

1999

S. T. Mead and D. J. Phillips, 1999. *Mahai Paua Farm: Description of Site Ecology*. Report prepared for Environmental Management Services Ltd., May 1999.

Mead, S. T., & D. J. Phillips, 1998. *Kingsway School Stream Ecological Assessment*. Report prepared for Auckland Regional Council on behalf of Airey Consultants Ltd. December, 1999.

1998

Phillips, D. & Mead S.T., 1998. Kingsway School Stream Environmental Assessment. Report prepared for Auckland Regional Council on behalf of Airey Engineering Consultants Ltd. December, 1999.

Mead, S. T., & **Phillips, D.**, 1998. Waitakere Dam Plunge Pool and Abutments Erosion Protection: Environmental Assessment. Report for Opus International Consultants, Auckland, July, 1998.

1997

Phillips, D. & Mead, S.T, 1997. Weatherly Road Environmental Assessment. Report to the Auckland Regional Council. DNS, August 1997.

1995

Phillips, D. and Reid, F.R. 1995. The Otara Creek Revegetation Plan: Design Concept for the Manukau City Council. Envirosapes.

Phillips, D. 1995. The Potential for Bio-seeding in the Marine Environment (Archaeogastropoda: Haliotidae). UNITEC Institute of Technology & Auckland Regional Council.

1994

Buckeridge, S.J.S. and **Phillips, D.** 1994. High Coliform Levels in Auckland's East Coast Bays Coastal Waters. Unpublished Technical Report. Department of Civil and Environmental Engineering. 15 p.

1992

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