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### **1. EDUCATION**

<b>Ph.D.</b>	University of Canterbury, Department of Geography.	<b>1998</b>
<b>M.Sc (Hons).</b>	University of Canterbury, Department of Geography.	<b>1992</b>
<b>B.S.</b>	University of Canterbury, Department of Geography.	<b>1990</b>

### **2. CURRENT POSITION**

*Coastal Geomorphologist, Oregon Department of Geology and Mineral Industries.*

*Courtesy Faculty Staff, Marine Resource Management Program, College of Earth, Ocean & Atmospheric Sciences, Oregon State University.*

*Northwest Association Networked Ocean Observing Systems (NANOOS) User Products Committee Chair*

### **3. PREVIOUS POSITIONS**

Jul 1999 - Jan 2001	Post-Doctoral Research Associate working with Professor Paul Komar in the College of Oceanic & Atmospheric Sciences, Oregon State University.
Apr 1998 - Jun 1999	Research Fellow in the Department of Geography, University of Canterbury, Christchurch, New Zealand.
Apr 1998 - Jun 1999	Coastal consultant for Land and Water Studies (International) Ltd.

### **4. MEMBERSHIPS, PROFESSIONAL SOCIETIES AND AWARDS**

Member of the American Geophysical Union (1999-present)  
Member of the Coastal Education & Research Foundation, Inc. (2000-present)  
2015 GSA Environmental and Engineering Geology Division (EEGD) E.B. Burwell, Jr. Award

### **5. RESEARCH INTEREST**

Major research interest in understanding the role of:

Beach process dynamics in lake and oceanic environments, Equilibrium beach forms,	Coastal Hazards, El Nino/La Nina Southern Oscillation, Wave climates,	Shoreline management, Climate change, Coastal and ocean observing systems.
Sediment dynamics,		

## 6. PUBLICATIONS

### 6.1 Refereed Papers

- Barnard, P. L., Short, A. D., Harley, M. D., Splinter, K. D., Vitousek, S., Turner, I. L., **Allan, J.**, Banno, M., Bryan, K. R., Doria, A., Hansen, J. E., Kato, S., Kuriyama, Y., Randall-Goodwin, E., Ruggiero, P., Walker, I. J., and Heathfield, D. K., 2015, Coastal vulnerability across the Pacific dominated by El Niño/Southern Oscillation: *Nature Geoscience*, 21 September 2015, 10.1038/NNGEO2539
- Baron, H., Ruggiero, P.; Wood, N.J.; Harris, E.L.; **Allan, J.**; Komar, P.D., and P. Corcoran (2014), Incorporating climate change and morphological uncertainty into coastal change hazard assessments, *Natural hazards* (DOI: 10.1007/s11069-014-1417-8).
- Hapke, C.J.; Adams, P.N.; **Allan, J.**; Ashton, A.; Griggs, G.B.; Hampton, M.A.; Kelly, J., and Young, A.P., 2014. *Rocky Coast Geomorphology: A Global Synthesis – The USA*. In: Kennedy, D.M.; Stephenson, W.J., and Naylor, L. (ed.), *Rock Coast Geomorphology: A Global Synthesis*. London, Geological Society Publishing House, The Geological Society of London, *Memoirs*, 40. pp. 135-152.
- Olsen, M.J.; **Allan, J.C.**, and Priest, G.R., 2012. Johnson Creek landslide movement and erosion quantification through 3D laser scanning. *Geo-Congress: State of the Art and Practice in Geotechnical Engineering*, Oakland, California: USACE, 10p.
- Komar, P.D., **Allan, J.C.** and Ruggiero, P., 2012. U.S. Pacific Northwest Coastal Hazards: Tectonic and Climate Controls. In: C.W. Finkl (Editor), *Coastal Hazards*. Springer.
- Allan, J.C.**; Komar, P.D.; Ruggiero, P., and Witter, R.C., 2012. The March 2011 Tōhoku Tsunami and Its Impacts Along the U.S. West Coast. *Journal of Coastal Research*, 28(5), 1142-1153.
- Witter, R.C.; Zhang, Y.; Wang, K.; Goldfinger, C.; Priest, G.R., and **Allan, J.C.**, 2012. Coseismic slip on the southern Cascadia megathrust implied by tsunami deposits in an Oregon lake and earthquake-triggered marine turbidites. *Journal of Geophysical Research*, 117(B10303).
- Priest, G.R., Schulz, W.L., Ellis, W.L, **Allan, J.C.**, Niem, A.R, Niem, W.A., 2011. Landslide stability: Role of rainfall-induced, laterally propagating, pore-pressure waves. *Environmental & Engineering Geoscience*, 17: 315-335.
- Martin, D.L., **Allan, J.C.**, Newton, J., Jones, D.W., Mikulak, S., Mayorga, E., Tanner, T., Lederer, N., Sprenger, A., Blair, R., Uczekaj, S.A., 2011: Using Web-based and social networking technologies to disseminate coastal hazard mitigation information within the Pacific Northwest component of the Integrated Ocean Observing System (IOOS). *Proc. Oceans'11, Oceans of Opportunity: International cooperation and partnership across the Pacific*, Marine Technology Society, Kona, Hawaii.
- Komar, P.D., **Allan, J.C.** and Ruggiero, P., 2011. Sea Level Variations along the U.S. Pacific Northwest Coast: Tectonic and Climate Controls *Journal of Coastal Research*, 27(5): 808-823.
- Barnard, P., **Allan, J.**, Hansen, J, Kaminsky, G., Ruggiero, P. and Doria, A., 2011. The impact of the 2009-10 El Niño on U.S. West Coast beaches, *Geophysical Research Letters*, 38, L13604, doi:10.1029/2011GL047707.
- Allan, J.C.**, P.D. Komar, P. Ruggiero, 2011: Storm surge magnitudes and frequency on the central Oregon coast. *Proc. Solutions to Coastal Disasters Conf., Amer. Soc. Civil Engrs*, Anchorage, Alaska: 53-64.
- Komar, P.D., **Allan, J.C.**, Ruggiero, P., 2011: Earth's changing climate and enhanced erosion of the U.S. Pacific Northwest coast. *Proc. Solutions to Coastal Disasters Conf., Amer. Soc. Civil Engrs*, Anchorage, Alaska: 209-220.
- Ruggiero, P., Baron, H., Harris, E., **Allan, J.C.**, Komar, P.D, and Corcoran, P., 2011: Incorporating uncertainty associated with climate change into coastal vulnerability assessments. *Proc. Solutions to Coastal Disasters Conf., Amer. Soc. Civil Engrs*, Anchorage, Alaska: 602-613.
- Allan, J.C.**, P.D. Komar, P. Ruggiero, 2010, U.S. Pacific Northwest Sea Levels: Interdecadal Trends, El Niño Cycles and Storm Surge Elevations. *Eos Trans. AGU*, 91(26), *Ocean Sci. Meet. Suppl.*, Abstract IT51C-07
- Komar, P.D., **Allan, J.C.**, and Ruggiero, P., 2011. Sea Level Variations along the U.S. Pacific Northwest Coast: Tectonic and Climate Controls. *Journal of Coastal Research*.
- Ruggiero, P., **Allan, J.C.** and Komar, P.D., 2010, Increasing wave heights and extreme-value projections: the wave climate of the U.S. Pacific Northwest: *Coastal Engineering*.
- Allan, J.C.**, Witter, R.C., Ruggiero, P., and Hawkes, A.D., 2009. Coastal geomorphology, hazards, and management issues along the Pacific Northwest coast of Oregon and Washington. In: O'Connor, J.E.; Dorsey, R.J., and Madin, I.P. (ed.), *Volcanoes to vineyards: Geologic field trips through the dynamic landscape of the Pacific Northwest*. Geological Society of America Field Guide 15, The Geological Society of America, pp. 495-519.
- Komar, P.D., **Allan, J.C.** and Ruggiero, P., 2009, Ocean wave climates: trend and variations due to earth's changing climate: In: Young, K. C. (Editor), *Handbook of Coastal and Ocean Engineering*.

- Risien, C.M., **Allan, J.C.**, Blair, R., Jaramillo, A.V., Jones, D.W., Kosro, M., Martin, D., Mayorga, E., Newton, J., Tanner, T., Uczekaj, S.A., 2009. The NANOOS visualization system: Aggregating, displaying and serving data, *Proc. Oceans'09, Marine Technology for our Future: Global and Local Challenges*, Biloxi, Mississippi, pp. 9.
- Komar, P.D. and **Allan, J.C.**, 2008, Increasing hurricane-generated wave heights along the U.S. Atlantic Coast and their climate controls: *Journal of Coastal Research*, 24(2), p 479-488.
- Komar, P.D. and **Allan, J.C.**, 2007, Higher waves along U.S. East Coast linked to hurricanes: EOS, Transaction of the American Geophysical Union, 88(30), p 301.
- Dalon, M. M., Haller, M. and **Allan, J.C.**, 2007, Morphological characteristics of rip current embayments on the Oregon coast., Coastal Sediments' 07, Coastal Engineering and Science in Cascading Spatial and Temporal Scales, New Orleans, Louisiana.
- Allan, J.C.** and Hart, R., 2007, Profile dynamics and particle tracer mobility of a cobble berm constructed on the Oregon Coast, Coastal Sediments' 07, Coastal Engineering and Science in Cascading Spatial and Temporal Scales, New Orleans, Louisiana, pp. 449-462.
- Allan, J.C.**, Hart, R. and Tranquilli, V., 2006. The use of Passive Integrated Transponder tags (PIT-tags) to trace cobble transport in a mixed sand-and-gravel beach on the high-energy Oregon coast, USA. *Marine Geology*, 232(1-2), p 63-86.
- Allan, J.C.**, and P.D. Komar, 2006: Climate controls on US West Coast erosion processes. *Journal of Coastal Research*, 22(3): 511-529.
- Baptista A , Zhang Y , Turner P , Zulauf M , Kaminsky G , Grantham B , **Allan J** , Newton J , Devol A , MacCready P , Rumrill S , Haller M , Ozkan-Haller T , Gelfenbaum G , Ruggiero P. 2006. NANOOS-Pilot technologies: a national role?, Eos Trans. AGU, Ocean Sci. Meet. Suppl. Abstract OS14F-03, vol. 87, Honolulu, Hawaii.
- Allan, J.C.** and Komar, P.D. 2004. Environmentally compatible cobble berm and artificial dune for shore protection. *Shore & Beach*, 72(1): 9-18.
- Allan, J.C.**, Komar, P.D., and R. Hart, 2003. A dynamic revetment and reinforced dune as "natural" forms of shore protection in an Oregon state park. Coastal Structures 2003 Conference, Portland, Oregon, ASCE, pp. 1048-1060.
- Allan, J.C.**, P.D. Komar, G.R. Priest, 2003: Shoreline variability on the high-energy Oregon coast and its usefulness in erosion-hazard assessments. In: Byrnes, M.R.; Crowell, M. and Fowler, C., (eds.), Shoreline mapping and change analysis: Technical considerations and management implications. *Journal of Coastal Research Special Issue No. 38*, pp. 83-105.
- Komar, P.D., **J.C. Allan**, and R. Winz, 2003: Cobble beaches - The "design with nature" approach for shore protection. *Proc. 5th International Symposium on Coastal Engineering and Science of Coastal Sediment Processes, Clearwater Beach, Florida*.
- Allan, J.C.**, and P.D. Komar, 2002: A dynamic revetment and artificial dune for shore protection at Cape Lookout State Park, Oregon. *Proc. 28th International Conference on Coastal Engineering, Cardiff, Wales*.
- Komar, P.D., **J.C. Allan**, 2002: Assessments of nearshore-process climates related to their potential for producing beach and property erosion. *Shore and Beach*, Vol. 70(3): 31-40.
- Allan, J.C.**, P.D. Komar, 2002: Extreme Storms on the Pacific Northwest Coast during the 1997-98 El Niño and 1998-99 La Niña. *Journal of Coastal Research*, Vol. 18(1), 175-193.
- Allan, J.C.**, W.J. Stephenson, R.M. Kirk, A. Taylor, 2002: Lacustrine shore platforms, Lake Waikaremoana, New Zealand. *Earth Surfaces Processes and Landforms*, Vol. 27(2): 207-220.
- Komar, P.D., J.J. Marra, and **J.C. Allan**, 2002: Coastal-erosion processes and assessments of setback distances. *Proc. of Solutions to Coastal Disasters'02, Sand Diego, California, Amer. Soc. Civil Engrs*, 808-822.
- Allan, J.C.**, and P.D. Komar, 2001: Wave climate change and coastal erosion in the US Pacific Northwest. *Proc. 4th International Symposium on Ocean Wave Measurement and Analysis, WAVES 2001, San Francisco, California, Amer. Soc. Civ. Engrs.*, 680-690.
- Allan, J.C.**, P.D. Komar, 2000: Are ocean wave heights increasing in the eastern North Pacific? *Eos, Transactions, American Geophysical Union*, 47: 561-567.
- Marra, J.J., P.D. Komar, G. Diaz-Mendez, **J.C. Allan**, and P. Ruggiero, 2000: El Nino versus La Nina along the Oregon coast. *Proc. 17th International Conference of the Coastal Society, Portland, Oregon*, 776-787.
- Komar, P.D., **J.C. Allan**, G. Diaz-Mendez, J.J. Marra, P. Ruggiero, 2000: El Nino and La Nina – Erosion processes and impacts. *Proc. 27th International Conference on Coastal Engineering, Sydney, Australia*, 2414-2427.

- Allan, J.C.**, R.M. Kirk, 2000: Wind wave characteristics at Lake Dunstan, South Island, New Zealand, *New Zealand Journal of Marine and Freshwater Research*, Vol. 34(4), 573-591.
- Kirk, R.M., P.D. Komar, **J.C. Allan**, W.J. Stephenson, 2000: Shoreline erosion on Lake Hawea, New Zealand, caused by high lake levels and storm-wave runup, *Journal of Coastal Research*, Vol. 16(2), 346-356.

## 6.2 Conference Abstracts and Magazine Articles

- Newton, J., **Allan, J.** and Tanner, T., 2014. Recent NANOOS contributions to maritime operations and boater traffic, Sidelights. The Council of American Master Mariners, Inc., pp. 28-29.
- Olsen, M.J., **Allan, J.C.**, and Priest, G.R., (2012), Johnson Creek landslide movement and erosion quantification through 3D laser scanning, paper presented at Geo-Congress: State of the Art and Practice in Geotechnical Engineering, USACE, Oakland, California.
- Allan, J.C.** and Ozkan-Haller, T., 2012. Mapping the wave climate in the nearshore offshore the Pacific Northwest coast, Sidelights. The Council of American Master Mariners, Inc, Vancouver, WA, pp. 18-19.
- Allan, J.C.**, Martin, D.L. and Newton, J., 2012. Using social networking, mobile apps to distribute tsunami hazard information, Sea Technology. Compass Publications, Arlington, Virginia, pp. 61-64.
- Barnard, P.L., G.M. Kaminsky, J.E. Hansen, **J.C. Allan**, P. Ruggiero, and D. Hoover, 2010: The impact of the 2009-10 El Nino on West Coast Beaches. *Abstract, EOS, Transactions, AGU Fall Meeting*, San Francisco, December 13-17.
- Allan, J.C.**, P.D. Komar, P. Ruggiero, 2010: U.S. Pacific Northwest Sea Levels: Interdecadal Trends, El Niño Cycles and Storm Surge Elevations. *Eos Trans. AGU, 91(26), Ocean Sci. Meet. Suppl., Abstract IT51C-07*
- Harris, E.L., P.Ruggiero, **J.C. Allan**, 2010: An integrated approach for evaluating coastal vulnerability in a changing climate. *The Coastal Society's 22<sup>nd</sup> International Conference, Wilmington, North Carolina.*
- Baron, H.M, N.J. Wood, P.Ruggiero, **J.C. Allan**, P.Corcoran, 2010: Assessing societal vulnerability of U.S. Pacific Northwest communities to storm-induced coastal change. *The Coastal Society's 22<sup>nd</sup> International Conference, Wilmington, North Carolina.*
- Risien, C.M., **J.C. Allan**, R. Blair, A.V. Jaramillo, D. Jones, P.M. Kosro, D. Martin, E. Mayorga, J.A. Newton, T. Tanner, and S.A. Uczekaj, 2009. The NANOOS Visualization System: Aggregating, displaying and serving data. *OCEANS 2009, MTS/IEEE Biloxi - Marine Technology for Our Future: Global and Local Challenges*, 9 p., v. 26-29, Oct. 2009.
- Baptista, A., Zhang, Y., Turner, P., Zulauf, M., Kaminsky, G., Grantham, B., **Allan, J.**, Newton, J., Devol, A., MacCready, P., Rumrill, S., Haller, M., Ozkan-Haller, T., Gelfenbaum, G. and Ruggiero, P., 2006, NANOOS- Pilot technologies: a national role ?, *Eos Trans. AGU, Ocean Sci. Meet. Suppl. Abstract OS14F-03*, vol. 87, Honolulu, Hawaii.
- Allan, J.C.**, 2006: Assessing the temporal and spatial variability of coastal change on the northern Oregon Coast. *Shoreline Change Conference 2, Charleston, USA.*
- Allan, J.C.**, E. Gibney, R. Jackson, and P. Klarin, 2005: A quasi real-time storm hazard tool for assessing total water levels (wave runup plus tides) on the Oregon coast as part of NOAA's Pacific Northwest Coastal Storms Initiative. *Solutions to Coastal Disasters 2005, Charleston, South Carolina.*
- Komar, P.D., and **J.C. Allan**, 2004: Climate controls on US west coast wave heights and tide levels, and ramifications to coastal management and engineering design. *29th International Conference on Coastal Engineering, Lisbon, Spain.*
- Komar, P.D., and **J.C. Allan**, 2003: The earth's changing climate - ramifications for coastal management strategies and shore protection design. *Coastal Engineering Today Conference in honour of Prof. Robert Dean, Gainesville, Florida.*
- Allan, J.C.**, and P.D. Komar, 2003: A dynamic revetment and reinforced dune as "natural" forms of shore protection in an Oregon state park. *Presenting at the Coastal Structures 2003 Conference, Portland, Oregon.*
- Komar, P.D., **J.C. Allan**, and R. Winz, 2003: Cobble Beaches - The "design with nature" approach for shore protection. *Coastal Sediments 2003 Conference, Clearwater Beach, Florida.*
- Allan, J.C.**, and P.D. Komar, 2002: A dynamic revetment and artificial dune for shore protection at Cape Lookout State Park, Oregon. *American Shore and Beach Preservation Authority Conference, Portland, Oregon.*
- Allan, J.C.**, and P.D. Komar, 2002: A dynamic revetment and artificial dune for shore protection at Cape Lookout State Park, Oregon. *Proc. 28th International Conference on Coastal Engineering, Cardiff, Wales.*
- Allan, J.C.**, and G.R. Priest, 2002: Evaluation of shoreline changes and coastal erosion hazards along the Oregon Coast. *Shoreline Change Conference, Charleston, USA.*

- Allan, J.C.**, and P.D. Komar, 2001: Implications of changing deepwater wave climate to nearshore processes and coastal change. *Proc. 4th International Symposium on Ocean Wave Measurement and Analysis, San Francisco, USA.*
- Allan, J.C.**, and P.D. Komar, 2000: The wave climate of the eastern North Pacific: Inter-annual variability and long-term trends in wave energies and storm frequency. *Abstract, EOS, Transactions, AGU Fall Meeting, San Francisco, December 15-19.*
- Allan, J.C.**, 1999: Shoreline Development at Lake Dunstan, South Island, New Zealand. *Abstract, EOS, Transactions, AGU Fall Meeting, San Francisco, December 13-17.*
- Allan, J.C.**, 1995: Nearshore shelf development, Lake Dunstan, New Zealand. *Abstract, 50th Anniversary New Zealand Geographical Society Conference, Christchurch, September 1995.*

### **6.3 Published Technical Papers**

- Allan, J.C.**, Ruggiero, P., Garcia, G., O'Brien, F., Stimely, L., and Roberts, J.T., 2015, Coastal Flood Hazard Study, Tillamook County, Oregon: Oregon Department of Geology and Mineral Industries Special Paper 47, 283 p.
- Allan, J.C.**, Ruggiero, P., Garcia, G., Harris, E.L., Roberts, J.T., and Stimely, L., 2015, Coastal Flood Hazard Study, Clatsop County, Oregon: Oregon Department of Geology and Mineral Industries Open file report O-15-05, 210 p.
- Allan, J.C.**, Ruggiero, P., Cohn, N., Garcia, G., O'Brien, F., Serafin, K.A., Stimely, L., and Roberts, J.T., 2015, Coastal Flood Hazard Study, Lincoln County, Oregon: Oregon Department of Geology and Mineral Industries Open file report O-15-06, 361 p.
- Allan, J.C.**, Ruggiero, P., Cohn, N., O'Brien, F., Serafin, K.A., Roberts, J.T., and Stimely, L., 2015, Coastal Flood Hazard Study, Curry County, Oregon: Oregon Department of Geology and Mineral Industries Open file report O-05-07, 246 p.
- Stimely, L. and **Allan, J.C.**, 2014. Evaluation of Erosion Hazard Zones for the Dune-Backed Beaches of Tillamook County, Oregon. Open file report O-14-02, Oregon Department of Geology and Mineral Industries, Portland.
- Stimely, L. and **Allan, J.C.**, 2013. Evaluation of erosion hazard zones along the Alsea Bay shoreline between the Alsea Bay bridge and the Port of Alsea, Lincoln County, Oregon. Open file report O-13-20, Oregon Department of Geology and Mineral Industries, Portland.
- Allan, J.C.** and Stimely, L., 2013. Oregon Beach Shoreline Mapping and Analysis Program: Quantifying Short to Long-term Beach and Shoreline Changes in the Gold Beach, Nesika, and Netarts Littoral Cells., Open file report O-13-07, Oregon Department of Geology and Mineral Industries, Portland.
- Ruggiero, P., Kratzmann, M.G., Himmelstoss, E.A., Reid, D., **Allan, J.C.**, and Kaminsky, G.M., 2013. National Assessment of Shoreline Change: Historical Shoreline Change along the Pacific Northwest coast (Oregon and Washington), U.S. Geological Survey, Open-File Report 2012-1007, Reston, Virginia.
- Allan, J.C.**; Ruggiero, P., and Roberts, J.T., 2012. Coastal Flood Insurance Study, Coos County, Oregon. Portland, Oregon: *Oregon Department of Geology and Mineral Industries Special Paper 44*, 132p.
- Allan, J.C.** and Harris, E.L., 2012. An "Expanded" Geospatial Database of Beach and Bluff Morphology Determined from LIDAR Data collected on the Northern Oregon Coast; Tillamook to Clatsop County. Open file report O-12-08, Oregon Department of Geology and Mineral Industries, Portland.
- Allan, J.C.**, Hart, R. and Stimely, L., 2011. Baseline observations and modeling for the Reedsport wave energy site, Douglas County, Oregon: Monitoring beach and shoreline morphodynamics. Open file report O-11-17. Open file report O-11-17, Oregon Department of Geology and Mineral Industries, Portland.
- Ruggiero, P., Brown, C.A., Komar, P.D., **Allan, J.C.**, Reusser, D.A., Lee, H., 2010. Impacts of climate change on Oregon's coasts and estuaries. In: K.D. Dello and P.W. Mote (Editors), Oregon Climate Assessment Report. College of Oceanic and Atmospheric Sciences, Oregon Climate Change Research Initiative, Oregon State University, Corvallis, OR, pp. 437.
- Komar, P.D. and **Allan, J.C.**, 2010. "Design with Nature" strategies for shore protection—The construction of a cobble berm and artificial dune in an Oregon State Park, U.S. Geological Survey Scientific Investigations Report 2010-5254.
- Allan, J.C.**, Holman, R.A. and Ruggiero, P., 2010. Baseline Observations and Characterization of Sediment Transport Processes for the Reedsport Wave Energy Site, Oregon Department of Geology and Mineral Industries and Oregon State University, Portland, Oregon.

- Ozkan-Haller, H.T., **Allan, J.C.**, Barth, J.A., Haller, M.C. Holman, R.A., Ruggiero, P., 2009. Baseline Observations and Modeling for the Reedsport Wave Energy Site, Oregon State University and the Oregon Department of Geology and Mineral Industries, Corvallis, Oregon.
- Witter, R.C., Horning, T. and **Allan, J.C.**, 2009. Coastal erosion hazard zones in southern Clatsop County, Oregon: Seaside to Cape Falcon. Open-file-report O-09-06, Oregon Department of Geology and Mineral Industries, Portland, Oregon.
- Allan, J.C.** and Hart, R., 2009, Beach and shoreline response to an artificial 'Landslide' at Rocky Point, Port Orford, on the southern Oregon Coast: Portland, Oregon, Oregon Department of Geology and Mineral Industries, 56 p.
- Witter, R.C., Grondin, G.H. and **Allan, J.C.**, 2008. Geomorphic and hydrologic assessment of historical water level changes at Cleawox Lake, Jessie M. Honeyman Memorial State Park, Lane County, Oregon. Open-file-report O-08-05, Oregon Department of Geology and Mineral Industries, Portland, Oregon.
- Priest, G.R., **Allan, J.C.**, Niem, A.R., Niem, W.A. and Dickenson, S. E., 2008, Johnson Creek landslide research project, Lincoln County, Oregon: Final report to the Oregon Department of Transportation: Special Paper 40: Portland, Oregon, Oregon Department of Geology and Mineral Industries.
- Allan, J.C.** and Hart, R., 2008, Oregon beach and shoreline mapping and analysis program: 2007-2008 beach monitoring report: Open file report O-08-15: Portland, Oregon Department of Geology and Mineral Industries, 54 p.
- Allan, J.C.** and Hart, R., 2008, Beach and shoreline response due to dune lowering on the Elk River spit, Curry County, Oregon: Open file report O-08-02: Portland, Oregon Department of Geology and Mineral Industries, 20 p.
- Witter, R.C., **Allan, J.C.** and Priest, G. R., 2007, Evaluation of coastal erosion hazard zones along dune and bluff backed shorelines: Southern Lincoln County, Oregon: Seal Rock to Cape Perpetua.: Open-file-report O-07-03: Portland, Oregon, Oregon Department of Geology and Mineral Industries.
- Allan, J.C.** and Hart, R., 2007, Assessing the temporal and spatial variability of coastal change in the Neskowin littoral cell: Developing a comprehensive monitoring program for Oregon beaches Open-file-report O-07-01: Portland, Oregon, Oregon Department of Geology and Mineral Industries, 27 p.
- Priest, G.R., Chawla, A. and **Allan, J.C.**, 2007, Tsunami hazard map of the Florence-Siuslaw River area, Lane County, Oregon: IMS-25: Portland, Oregon, Oregon Department of Geology and Mineral Industries.
- Priest, G.R., **Allan, J.C.**, Niem, A.R., Christie, S.R. and Dickenson, S.E., 2006, Interim report: Johnson Creek landslide project, Lincoln County, Oregon: open-file-report O-06-02: Portland, Oregon, Oregon Department of Geology and Mineral Industries, 85 p.
- Allan J.C.**, Komar P.D. 2005. Morphologies of Beaches and Dunes on the Oregon Coast, with Tests of the Geometric Dune-Erosion Model. Open file report O-05-08, Oregon Department of Geology and Mineral Industries, Portland, Oregon.
- Allan J.C.**, Hart R., Geitgey R. 2005. Dynamic revetments for coastal erosion stabilization: A feasibility analysis for application on the Oregon Coast, Oregon Department of Geology and Mineral Industries, Special-paper 37, Portland, Oregon.
- Allan J.C.**, Hart R. 2005. A geographical information system (GIS) data set of beach morphodynamics derived from 1997, 1998, and 2002 LIDAR data for the central to northern Oregon coast. Open file report O-05-09, Oregon Department of Geology and Mineral Industries, Portland, Oregon.
- Allan J.C.** 2005. Evaluation of Coastal change and the potential for erosion during extreme storms at Crissey Field, southern Oregon coast. Open file report O-05-12, Oregon Department of Geology and Mineral Industries, Portland, Oregon.
- Priest, G.R., **Allan, J.C.** and Sonnevil, R. 2004, Evaluation of coastal erosion hazard zones from Sisters Rocks to North Gold Beach, Curry County, Oregon: Technical report to Curry County, Technical report to Curry County, Open file report O-04-20, Oregon Department of Geology and Mineral Industries, Portland, Oregon.
- Allan, J.C.**, P.D. Komar and G.R. Priest, 2004, Coast hazards and management issues on the Oregon coast: Coastal Workshop, Lincoln City, Oregon: Oregon Department of Geology and Mineral Industries Open-File-Report O-04-18, *April 2004*: 26.
- Allan, J.C.**, 2004: An evaluation of the risks from storm erosion and overwash of the Elk River Spit, Oregon, associated with restoring Western Snowy Plover breeding habitat: Oregon Department of Geology and Mineral Industries Open-File Report O-04-17, *May 2004*. 44pp.
- Allan, J.C.**, 2004: Coastal processes and shoreline erosion on the Oregon coast, Cascade Head to Cape Kiwanda: Oregon Department of Geology and Mineral Industries Open-File Report O-04-11, *May 2004*.

- Priest, G.R., Chawla, A., and **Allan, J.C.** 2004, Tsunami Hazard Map of the Alsea Bay (Waldport) Area, Lincoln County, Oregon: Oregon Department of Geology and Mineral Industries Interpretative Map Series IMS-23.
- Priest, G.R., **Allan, J.C.**, and Wang, Y. 2003. Review of Geologic Report for Surfrider Resort Proposal, Lincoln County, Oregon, OPRD Permit #BA-555-03. Oregon Department of Geology and Mineral Industries Open-File Report O-03-08.
- Priest, G. R., and **Allan, J.C.**, (2003), Tsunami Hazard Map of the Alsea Bay (Waldport) Area, Lincoln Co., Oregon, Interpretive Map Series Rep. IMS-023.
- Priest, G. R., **Allan, J.C.**; Meyers, E.; Baptista, A.M., and Kamphaus, R., (2002), Tsumani Hazard Map of the Coos Bay Area, Coos County, Oregon includes the areas of Coos Bay, Charleston, North Bend and the beachfront from approximately Snag Lake south to Agate Beach, Interpretive Map Series Rep. IMS-021, Oregon Dept. of Geology and Mineral Ind.
- Allan, J.C.** and Komar, P.D. 2002. The wave climate of the eastern North Pacific: Long-term trends and an El Niño/La Niña dependence. *In* Gelfenbaum, G. and Kaminsky, G.M., eds., *Southwest Washington Coastal Erosion Workshop 2000*, Washington State Department of Ecology and the U.S. Geological Survey Open-File Report O-02-229, *June 2002*. 308pp.
- Allan, J.C.**, 2002: Columbia River littoral cell - Technical implications of channel deepening and dredge disposal. Oregon Department of Geology and Mineral Industries Open-File Report O-02-04, *February 2002*. 9pp.
- Allan, J.C.**, and Priest, G.R. 2001: Coastal erosion hazard zones along the Clatsop Plains, Oregon: Gearhart to Fort Stevens. Oregon Department of Geology and Mineral Industries Open-File Report O-01-04, *June 2001*. 61pp.
- Allan, J.C.**, and Priest, G.R. 2001: Evaluation of coastal erosion hazard zones along dune and bluff backed shorelines in Tillamook County, Oregon: Cascade Head to Cape Falcon. Oregon Department of Geology and Mineral Industries Open-File Report O-01-03, *June 2001*. 126pp.

#### **6.4 Technical Panels**

Scientific Advisory Team Member for the West Coast Governors Agreement West Coast Hazards Map  
 Lower Columbia River Nearshore Beneficial Use Partners Group (Associated with the Lower Columbia Solutions Group)  
 Mouth of the Columbia River – Ocean Disposal Taskforce  
 Oregon Coastal Hazards Processes Working Group