

GEOGG065: Environmental GIS

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@article{Baily_Nowell_1996, title={Techniques for monitoring coastal change: a review and case study}, volume={32}, DOI={10.1016/S0964-5691(96)00058-0}, number={2}, journal={Ocean & Coastal Management}, author={Baily, Brian and Nowell, David}, year={1996}, pages={85-95} }

@article{Band, title={Topographic Partition of Watersheds with Digital Elevation Models}, volume={22}, DOI={10.1029/WR022i001p00015}, number={1}, journal={Water Resources Research}, author={Band, Lawrence E.}, pages={15-24} }

@article{Barfoot_Tucker_1980, title={Geomorphological changes at Blakeney Point}, volume={25}, number={2}, journal={Transactions of the Norfolk and Norwich Naturalists Society}, author={Barfoot, P.J. and Tucker, J.J.}, year={1980}, pages={49-60} }

@book{Bernhardsen_1999, address={New York}, edition={2nd ed}, title={Geographic information systems: an introduction}, publisher={Wiley}, author={Bernhardsen, Tor}, year={1999} }

@article{Bock_2003, title={Remote sensing and GIS-based techniques for the classification and monitoring of biotopes: Case examples for a wet grass- and moor land area in Northern Germany}, volume={11}, DOI={10.1078/1617-1381-00050}, number={3}, journal={Journal for Nature Conservation}, author={Bock, Michael}, year={2003}, pages={145-155} }

@article{Boteva_Griffiths_Dimopoulos, title={Evaluation and mapping of the conservation significance of habitats using GIS: an example from Crete, Greece}, volume={12}, DOI={10.1016/j.jnc.2004.09.002}, number={4}, journal={Journal for Nature Conservation}, author={Boteva, Dimitrina and Griffiths, Geoffrey and Dimopoulos, Panayotis}, pages={237-250} }

@book{Brewer_2005, address={Redlands, Calif}, title={Designing better maps: a guide for GIS users}, publisher={ESRI Press}, author={Brewer, Cynthia A.}, year={2005} }

@misc{Burningham_2002, title={Meso-scale morphological changes in the Loughros More estuary}, url={http://sheskinmore.wordpress.com/research/}, number={3}, journal={Proceedings of Littoral 2002: The Changing Coast}, publisher={Friends of Sheskinmore}, author={Burningham, H.}, year={2002}, pages={265-270} }

@article{Carmona_Röder_Azcárate_Peco, title={Grazing management or physiography? Factors controlling vegetation recovery in Mediterranean grasslands}, volume={251}, DOI={10.1016/j.ecolmodel.2012.12.005}, journal={Ecological Modelling}, author={Carmona, Carlos P. and Röder, Achim and Azcárate, Francisco M. and Peco,

Begoña}, pages={73-84} }

@article{Chaaban_2012, title={Using ArcGISH Modelbuilder and Aerial Photographs to Measure Coastline Retreat and Advance: North of France}, volume={28}, url={http://www.bioone.org/doi/abs/10.2112/JCOASTRES-D-11-00054.1}, number={6}, journal={Journal of Coastal Research}, author={Chaaban, F. and et al}, year={2012}, pages={1567-1579} }

@article{Chen_Yu, title={Morphometric analysis of debris flows and their source areas using GIS}, volume={129}, DOI={10.1016/j.geomorph.2011.03.002}, number={3-4}, journal={Geomorphology}, author={Chen, Chien-Yuan and Yu, Fan-Chieh}, pages={387-397} }

@article{Dalton_Thompson_Jin, title={Mapping human dimensions in marine spatial planning and management: An example from Narragansett Bay, Rhode Island}, volume={34}, DOI={10.1016/j.marpol.2009.08.001}, number={2}, journal={Marine Policy}, author={Dalton, Tracey and Thompson, Robert and Jin, Di}, pages={309-319} }

@misc{Dartnell_2008, title={Multibeam sonar mapping and modeling of a submerged bryophyte mat in Crater Lake, Oregon}, url={http://pubs.usgs.gov/ds/366/}, publisher={US Geological Survey Data Series 366}, author={Dartnell, Peter and et al}, year={2008} }

@book{DeMers_2009, address={Hoboken, NJ}, edition={4th ed}, title={Fundamentals of geographic information systems}, publisher={Wiley}, author={DeMers, Michael N.}, year={2009} }

@article{Dong_Wang_Chen, title={Monitoring sand dune advance in the Taklimakan Desert}, volume={35}, DOI={10.1016/S0169-555X(00)00039-8}, number={3-4}, journal={Geomorphology}, author={Dong, Zhibao and Wang, Xunming and Chen, Guangting}, pages={219-231} }

@article{Draper, title={Application of GIS in plant conservation programmes in Portugal}, volume={113}, DOI={10.1016/S0006-3207(03)00125-3}, number={3}, journal={Biological Conservation}, author={Draper, D. and et al}, pages={337-349} }

@article{Duane_Nellis_Harrington_Wu, title={Remote sensing of temporal and spatial variations in pool size, suspended sediment, turbidity, and Secchi depth in Tuttle Creek Reservoir, Kansas: 1993}, volume={21}, DOI={10.1016/S0169-555X(97)00067-6}, number={3-4}, journal={Geomorphology}, author={Duane Nellis, M. and Harrington, John A. and Wu, Jaiping}, pages={281-293} }

@article{Ekebom_Erkkila, title={Using aerial photography for identification of marine and coastal habitats under the EU's Habitats Directive}, volume={13}, DOI={10.1002/aqc.553}, number={4}, journal={Aquatic Conservation: Marine and Freshwater Ecosystems}, author={Ekebom, Jan and Erkkila, Anne}, pages={287-304} }

@book{Estes_1966, address={Lawrence, KS}, title={Some applications of aerial infrared imagery}, publisher={Allen Press Inc}, author={Estes, John E.}, year={1966} }

@article{Fromard_Vega_Proisy, title={Half a century of dynamic coastal change affecting mangrove shorelines of French Guiana. A case study based on remote sensing data

analyses and field surveys}, volume={208}, DOI={10.1016/j.margeo.2004.04.018}, number={2-4}, journal={Marine Geology}, author={Fromard, F. and Vega, C. and Proisy, C.}, pages={265-280} }

@article{Greco_Plant, title={Temporal mapping of riparian landscape change on the Sacramento river, miles 196-218, California, USA}, volume={28}, DOI={10.1080/0142639032000150149}, number={4}, journal={Landscape Research}, author={Greco, Steven E. and Plant, Richard E.}, pages={405-426} }

@article{Hall_Post_2008, title={Advanced GIS Exercise: Estimating Beach and Dune Erosion in Coastal South Carolina}, volume={37}, journal={Journal of Natural Resources and Life Sciences Education}, author={Hall, S.T. and Post, C.J.}, year={2008}, pages={49-52} }

@book{Heywood_Cornelius_Carver_2006, address={Harlow}, edition={3rd ed}, title={An introduction to geographical information systems}, publisher={Pearson Education}, author={Heywood, Ian and Cornelius, Sarah and Carver, Steve}, year={2006} }

@article{Kadmon_Harari-Kremer, title={Studying Long-Term Vegetation Dynamics Using Digital Processing of Historical Aerial Photographs}, volume={68}, DOI={10.1016/S0034-4257(98)00109-6}, number={2}, journal={Remote Sensing of Environment}, author={Kadmon, Ronen and Harari-Kremer, Ruthie}, pages={164-176} }

@article{Kienzle, title={The Effect of DEM Raster Resolution on First Order, Second Order and Compound Terrain Derivatives}, volume={8}, DOI={10.1111/j.1467-9671.2004.00169.x}, number={1}, journal={Transactions in GIS}, author={Kienzle, Stefan}, pages={83-111} }

@misc{Koch_2004, title={The Map as Intent: Variations on the Theme of John Snow}, volume={39}, url={http://www.ph.ucla.edu/epi/snow/cartographica39(4)1_14_2004.pdf}, number={4}, journal={Cartographica}, author={Koch, Tom}, year={2004}, pages={1-15} }

@article{Leeks, title={The LOIS river monitoring network: strategy and implementation}, volume={194-195}, DOI={10.1016/S0048-9697(96)05356-9}, journal={Science of The Total Environment}, author={Leeks, G.J.L. and et al}, pages={101-109} }

@article{Leonard, title={Remote detection of small wetlands in the Atlantic coastal plain of North America: Local relief models, ground validation, and high-throughput computing}, volume={284}, DOI={10.1016/j.foreco.2012.07.034}, journal={Forest Ecology and Management}, author={Leonard, Paul B. and et al}, pages={107-115} }

@misc{Letsinger_2004, title={Evaluation of Riparian Buffer Zones using GIS and Remote Sensing to Target Watershed Restoration Efforts}, url={http://igs.indiana.edu/WatershedHydrology/RiparianBuffers.cfm}, publisher={Indiana Geological Survey}, author={Letsinger, Sally L.}, year={2004} }

@book{Longley_2011, address={Hoboken, N.J.}, edition={3rd ed}, title={Geographic information systems & science}, publisher={John Wiley & Sons}, author={Longley, Paul and et al}, year={2011} }

@article{Lundblad_2006, title={A Benthic Terrain Classification Scheme for American Samoa}, volume={29}, DOI={10.1080/01490410600738021}, number={2}, journal={Marine Geodesy}, author={Lundblad, Emily R. and et al}, year={2006}, pages={89-111} }

@article{Maddrell, title={Managed coastal retreat, reducing flood risks and protection costs, Dungeness Nuclear Power Station, UK}, volume={28}, DOI={10.1016/0378-3839(95)00035-6}, number={1-4}, journal={Coastal Engineering}, author={Maddrell, Roger J.}, pages={1-15} }

@article{Manson_Loneragan_Phinn, title={Spatial and temporal variation in distribution of mangroves in Moreton Bay, subtropical Australia: a comparison of pattern metrics and change detection analyses based on aerial photographs}, volume={57}, DOI={10.1016/S0272-7714(02)00405-5}, number={4}, journal={Estuarine, Coastal and Shelf Science}, author={Manson, F.J. and Loneragan, N.R. and Phinn, S.R.}, pages={653-666} }

@article{McGregor, title={An integrated geographic information system approach for modeling the suitability of conifer habitat in an alpine environment}, volume={21}, DOI={10.1016/S0169-555X(97)00066-4}, number={3-4}, journal={Geomorphology}, author={McGregor, Stephen J.}, pages={265-280} }

@article{McKenna et al._2003, title={Obsolete Maps and Coastal Management: Case Studies from Northwest Ireland}, volume={31}, url={http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=bth&AN=9930623&site=ehost-live&scope=site}, number={3}, journal={Coastal Management}, author={McKenna et al., John}, year={2003}, pages={229-246} }

@article{van der Meulen_Witter_Arens, title={The use of a GIS in assessing the impacts of sea level rise on nature conservation along the Dutch coast: 1990-2090}, volume={6}, DOI={10.1007/BF00157750}, number={1-2}, journal={Landscape Ecology}, author={van der Meulen, F. and Witter, J.V. and Arens, S.M.}, pages={105-113} }

@article{Miller, title={The Automated Geospatial Watershed Assessment tool}, volume={22}, DOI={10.1016/j.envsoft.2005.12.004}, number={3}, journal={Environmental Modelling & Software}, author={Miller, Scott N. and et al}, pages={365-377} }

@article{Moore, title={An Expert System for Integrated Coastal Zone Management: A Geomorphological Case Study}, volume={37}, DOI={10.1016/S0025-326X(99)00129-0}, number={3-7}, journal={Marine Pollution Bulletin}, author={Moore, T. and et al}, pages={361-370} }

@article{Naito_Cairns, title={Relationships between Arctic shrub dynamics and topographically derived hydrologic characteristics}, volume={6}, DOI={10.1088/1748-9326/6/4/045506}, number={4}, journal={Environmental Research Letters}, author={Naito, Adam T. and Cairns, David M.} }

@article{Nams_Mowat_Panian, title={Determining the spatial scale for conservation purposes - an example with grizzly bears}, volume={128}, DOI={10.1016/j.biocon.2005.09.020}, number={1}, journal={Biological Conservation},

author={Nams, Vilis O. and Mowat, Garth and Panian, Michael A.}, pages={109-119} }

@article{Neilson_Costello, title={The Relative Lengths of Seashore Substrata Around the Coastline of Ireland as Determined by Digital Methods in a Geographical Information System}, volume={49}, DOI={10.1006/ecss.1999.0507}, number={4}, journal={Estuarine, Coastal and Shelf Science}, author={Neilson, Brigitte and Costello, Mark J.}, pages={501-508} }

@article{Pedersen_Nyhuus_Blindheim_Krog, title={Implementation of a GIS-based management tool for conservation of biodiversity within the municipality of Oslo, Norway}, volume={68}, DOI={10.1016/S0169-2046(03)00148-8}, number={4}, journal={Landscape and Urban Planning}, author={Pedersen, Åshild Ønvik and Nyhuus, Signe and Blindheim, Terje and Krog, Ola M.Wergeland}, pages={429-438} }

@article{Perotto-Baldiviezo, title={GIS-based spatial analysis and modeling for landslide hazard assessment in steeplands, southern Honduras}, volume={103}, DOI={10.1016/j.agee.2003.10.011}, number={1}, journal={Agriculture, Ecosystems & Environment}, author={Perotto-Baldiviezo, H.L. and et al}, pages={165-176} }

@article{Rozo_Nogueira_Truckenbrodt, title={The anastomosing pattern and the extensively distributed scroll bars in the middle Amazon River}, volume={37}, DOI={10.1002/esp.3249}, number={14}, journal={Earth Surface Processes and Landforms}, author={Rozo, Max G. and Nogueira, Afonso C.R. and Truckenbrodt, Werner}, pages={1471-1488} }

@article{Rumsby, title={Vertical accretion rates in fluvial systems: -a comparison of volumetric and depth-based estimates}, volume={25}, DOI={10.1002/1096-9837(200006)25:6<617::AID-ESP99>3.0.CO;2-Z}, number={6}, journal={Earth Surface Processes and Landforms}, author={Rumsby, Barbara}, pages={617-631} }

@article{Rumsby_Macklin, title={Channel and floodplain response to recent abrupt climate change: The tyne basin, Northern England}, volume={19}, DOI={10.1002/esp.3290190603}, number={6}, journal={Earth Surface Processes and Landforms}, author={Rumsby, Barbara T. and Macklin, Mark G.}, pages={499-515} }

@article{Salem, title={Application of GIS to biodiversity monitoring}, volume={54}, DOI={10.1006/jare.2001.0887}, number={1}, journal={Journal of Arid Environments}, author={Salem, B.B.}, pages={91-114} }

@article{Sear_Newson, title={Environmental change in river channels: a neglected element. Towards geomorphological typologies, standards and monitoring}, volume={310}, DOI={10.1016/S0048-9697(02)00619-8}, number={1-3}, journal={Science of The Total Environment}, author={Sear, D.A. and Newson, M.D.}, pages={17-23} }

@article{Sheppard, title={Habitat mapping in the Caribbean for management and conservation: Use and assessment of aerial photography}, volume={5}, DOI={10.1002/aqc.3270050404}, number={4}, journal={Aquatic Conservation: Marine and Freshwater Ecosystems}, author={Sheppard, C.R.C. and et al}, pages={277-298} }

@misc{de_Smith_Longley_Goodchild_2021, edition={6th}, title={Geospatial Analysis}, url={https://www.spatialanalysisonline.com/HTML/index.html}, author={de Smith, Michael and Longley, Paul and Goodchild, Mike}, year={2021} }

@article{Sørensen_Zinko_Seibert, title={On the calculation of the topographic wetness index: evaluation of different methods based on field observations}, volume={10}, DOI={10.5194/hess-10-101-2006}, number={1}, journal={Hydrology and Earth System Sciences}, author={Sørensen, R. and Zinko, U. and Seibert, J.}, pages={101-112} }

@article{Sutherland, title={Error analysis of Ordnance Survey map tidelines, UK}, volume={165}, DOI={10.1680/maen.2011.10}, number={4}, journal={Proceedings of the ICE - Maritime Engineering}, author={Sutherland, James}, pages={189-197} }

@article{Tarboton_Bras_Rodriguez-Iturbe, title={On the extraction of channel networks from digital elevation data}, volume={5}, DOI={10.1002/hyp.3360050107}, number={1}, journal={Hydrological Processes}, author={Tarboton, David G. and Bras, Rafael L. and Rodriguez-Iturbe, Ignacio}, pages={81-100} }

@article{Taylor_Brewer_Bird, title={Monitoring landscape change in the National Parks of England and Wales using aerial photo interpretation and GIS}, volume={21}, DOI={10.1080/01431160050110269}, number={13-14}, journal={International Journal of Remote Sensing}, author={Taylor, J.C. and Brewer, T.R. and Bird, A.C.}, pages={2737-2752} }

@article{Teng_Vaze_Tuteja_Gallant, title={A GIS-Based Tool for Spatial and Distributed Hydrological Modelling: CLASS Spatial Analyst}, volume={12}, DOI={10.1111/j.1467-9671.2008.01096.x}, number={2}, journal={Transactions in GIS}, author={Teng, Jin and Vaze, Jai and Tuteja, Narendra K. and Gallant, John C.}, pages={209-225} }

@article{Thompson, title={Identifying potential breeding sites for the stone curlew (*Burhinus oedicanus*) in the UK}, volume={12}, DOI={10.1016/j.jnc.2004.07.002}, number={4}, journal={Journal for Nature Conservation}, author={Thompson, S. and et al}, pages={229-235} }

@article{Thorbjarnarson, title={Regional habitat conservation priorities for the American crocodile}, volume={128}, DOI={10.1016/j.biocon.2005.09.013}, number={1}, journal={Biological Conservation}, author={Thorbjarnarson, John and et al}, pages={25-36} }

@article{Vitek_Giardino_Fitzgerald, title={Mapping geomorphology: A journey from paper maps, through computer mapping to GIS and Virtual Reality}, volume={16}, DOI={10.1016/S0169-555X(96)80003-1}, number={3}, journal={Geomorphology}, author={Vitek, John D. and Giardino, John R. and Fitzgerald, Jeffrey W.}, pages={233-249} }

@article{Walsh_Butler_Malanson, title={An overview of scale, pattern, process relationships in geomorphology: a remote sensing and GIS perspective}, volume={21}, DOI={10.1016/S0169-555X(97)00057-3}, number={3-4}, journal={Geomorphology}, author={Walsh, Stephen J. and Butler, David R. and Malanson, George P.}, pages={183-205} }

@article{White_El Asmar, title={Monitoring changing position of coastlines using Thematic Mapper imagery, an example from the Nile Delta}, volume={29}, DOI={10.1016/S0169-555X(99)00008-2}, number={1-2}, journal={Geomorphology}, author={White, Kevin and El Asmar, Hesham M.}, pages={93-105} }

@article{Wilson, title={Multiscale Terrain Analysis of Multibeam Bathymetry Data for Habitat Mapping on the Continental Slope}, volume={30}, DOI={10.1080/01490410701295962}, number={1-2}, journal={Marine Geodesy}, author={Wilson, Margaret F.J. and et al}, pages={3-35} }

@article{Wright_Heyman, title={Introduction to the Special Issue: Marine and Coastal GIS for Geomorphology, Habitat Mapping, and Marine Reserves}, volume={31}, DOI={10.1080/01490410802466306}, number={4}, journal={Marine Geodesy}, author={Wright, Dawn J. and Heyman, William D.}, pages={223-230} }