

GG3028 Digital Landscapes

View Online



-
1.
Campbell JB, Wynne RH. Introduction to Remote Sensing. Guilford Press; 2011.
<https://ebookcentral-proquest-com.ezproxy01.rhul.ac.uk/lib/rhul/detail.action?docID=843851>

 2.
Campbell JB, Wynne RH. Introduction to Remote Sensing. 5th ed. Guilford Press; 2011.
<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=843851>

 3.
Jensen JR. Remote Sensing of the Environment: An Earth Resource Perspective. Vol Always learning. Second edition. Pearson Education Limited; 2014.

 4.
Jensen JR. Remote Sensing of the Environment: An Earth Resource Perspective. Vol Pearson Custom Library. Second edition. Pearson Education Limited; 2014.
<https://www-dawsonera-com.ezproxy01.rhul.ac.uk/abstract/9781292034935>

 5.
Campbell JB, Wynne RH. Electromagnetic Radiation. In: Introduction to Remote Sensing. Guilford Press; 2011.
<https://ebookcentral.proquest.com/lib/rhul/reader.action?docID=843851&ppg=64>

 - 6.

Observing The Biosphere From Space [720p] | YouTube.

https://www.youtube.com/watch?v=Hn_ffF_KvIU

7.

NASA | Earth Observing Landsat 5 Turns 25 Years Old | YouTube.

<https://www.youtube.com/watch?v=ArLvDtsewn0>

8.

Evolution of Analog to Digital Mapping | YouTube.

<https://www.youtube.com/watch?v=SB1u6-DDwpU>

9.

Campbell JB, Wynne RH. Plant Sciences. In: Introduction to Remote Sensing. Guilford Press; 2011.

<https://ebookcentral.proquest.com/lib/rhul/reader.action?docID=843851&ppg=498>

10.

Jonathan A. Foley, Ruth DeFries, Gregory P. Asner, Carol Barford, Gordon Bonan, Stephen R. Carpenter, F. Stuart Chapin, Michael T. Coe, Gretchen C. Daily, Holly K. Gibbs, Joseph H. Helkowski, Tracey Holloway, Erica A. Howard, Christopher J. Kucharik, Chad Monfreda, Jonathan A. Patz, I. Colin Prentice, Navin Ramankutty and Peter K. Snyder. Global Consequences of Land Use. *Science*. 2005;309(5734):570-574.

http://www.jstor.org/stable/3842335?seq=1#page_scan_tab_contents

11.

Hansen MC, Loveland TR. A Review of Large Area Monitoring of Land Cover Change Using Landsat Data. *Remote Sensing of Environment*. 2012;122:66-74.

doi:10.1016/j.rse.2011.08.024

12.

Hansen MC, Potapov PV, Moore R, et al. High-Resolution Global Maps of 21st-Century Forest Cover Change. *Science*. 2013;342(6160):850-853. doi:10.1126/science.1244693

13.

McKinna LIW. Three Decades of Ocean-Color Remote-Sensing *Trichodesmium* Spp. in the World's Oceans: A Review. *Progress in Oceanography*. 2015;131:177-199. doi:10.1016/j.pocean.2014.12.013

14.

Baccini A, Goetz SJ, Walker WS, et al. Estimated Carbon Dioxide Emissions From Tropical Deforestation Improved by Carbon-Density Maps. *Nature Climate Change*. 2012;2(3):182-185.

15.

Ruth S. DeFries, Richard A. Houghton, Matthew C. Hansen, Christopher B. Field, David Skole and John Townshend. Carbon Emissions from Tropical Deforestation and Regrowth Based on Satellite Observations for the 1980s and 1990s. *Proceedings of the National Academy of Sciences of the United States of America*. 2002;99(22):14256-14261. <http://www.jstor.org/stable/3073573>

16.

Hansen MC, Roy DP, Lindquist E, Adusei B, Justice CO, Altstatt A. A Method for Integrating MODIS And Landsat Data for Systematic Monitoring of Forest Cover and Change in the Congo Basin. *Remote Sensing of Environment*. 2008;112(5):2495-2513. doi:10.1016/j.rse.2007.11.012

17.

Kratzer S, Therese Harvey E, Philipson P. The Use of Ocean Color Remote Sensing in Integrated Coastal Zone Management—a Case Study From Himmerfjärden, Sweden. *Marine Policy*. 2014;43:29-39. doi:10.1016/j.marpol.2013.03.023

18.

Ramankutty N, Evan AT, Monfreda C, Foley JA. Farming the Planet: 1. Geographic Distribution of Global Agricultural Lands in the Year 2000. *Global Biogeochemical Cycles*. 2008;22(1). doi:10.1029/2007GB002952

19.

Sterling S, Ducharne A. Comprehensive Data Set of Global Land Cover Change for Land Surface Model Applications. *Global Biogeochemical Cycles*. 2008;22(3):n/a-n/a. doi:10.1029/2007GB002959

20.

Global Forest Change Earth Engineer Partners | Earth Engine Partners.
<http://earthenginepartners.appspot.com/science-2013-global-forest>

21.

Fifth Assessment Report - Climate Change 2013. <http://www.ipcc.ch/report/ar5/wg1/>

22.

Gao J, Liu Y. Applications of Remote Sensing, GIS and GPS in Glaciology: A Review. *Progress in Physical Geography*. 2001;25(4):520-540. doi:10.1177/030913330102500404

23.

Linde J, Grab S. The Changing Trajectory of Snow Mapping. *Progress in Physical Geography*. 2011;35(2):139-160. doi:10.1177/0309133311399493

24.

On the Accuracy of Glacier Outlines Derived From Remote-Sensing Data. *Annals of Glaciology*. 2013;54(63):171-182. doi:10.5167/uzh-83965

25.

Paul F, Bolch T. The Glaciers Climate Change Initiative: Methods for Creating Glacier Area, Elevation Change and Velocity Products. *Remote Sensing of Environment*. 2015;162:408-426. doi:10.1016/j.rse.2013.07.043

26.

Quincey DJ, Lucas RM, Richardson SD, Glasser NF, Hambrey MJ, Reynolds JM. Optical

Remote Sensing Techniques in High-Mountain Environments: Application to Glacial Hazards. *Progress in Physical Geography*. 2005;29(4):475-505. doi:10.1191/0309133305pp456ra

27.

Challenges and Recommendations in Mapping of Glacier Parameters From Space: Results of the 2008 Global Land Ice Measurements From Space (GLIMS) Workshop, Boulder, Colorado, USA. *Annals of Glaciology*. 2009;50(53):53-69. doi:10.5167/uzh-29212

28.

Andreassen LM, Paul F, Käab A, Hausberg JE. Landsat-Derived Glacier Inventory for Jotunheimen, Norway, and Deduced Glacier Changes Since the 1930s. *The Cryosphere*. 2008;2(2):131-145. doi:10.5194/tc-2-131-2008

29.

Bolch T, Menounos B, Wheate R. Landsat-Based Inventory of Glaciers in Western Canada, 1985–2005. *Remote Sensing of Environment*. 2010;114(1):127-137. doi:10.1016/j.rse.2009.08.015

30.

De Angelis H, Rau F, Skvarca P. Snow Zonation on Hielo Patagónico Sur, Southern Patagonia, Derived From Landsat 5 Tm Data. *Global and Planetary Change*. 2007;59(1-4):149-158. doi:10.1016/j.gloplacha.2006.11.032

31.

McMillan M, Shepherd A, Sundal A, et al. Increased Ice Losses From Antarctica Detected by CryoSat-2. *Geophysical Research Letters*. 2014;41(11):3899-3905. doi:10.1002/2014GL060111

32.

Pritchard HD, Arthern RJ, Vaughan DG, Edwards LA. Extensive Dynamic Thinning on the Margins of the Greenland and Antarctic Ice Sheets. *Nature*. 2009;461(7266):971-975. doi:10.1038/nature08471

33.

Raup B, Kääb A, Khalsa SJS, Beedle M, Helm C. Remote Sensing and GIS Technology in the Global Land Ice Measurements from Space (GLIMS) Project. *Computers & Geosciences*. 2007;33(1):104-125. doi:10.1016/j.cageo.2006.05.015

34.

Rignot E, Bamber JL, van den Broeke MR, et al. Recent Antarctic Ice Mass Loss From Radar Interferometry and Regional Climate Modelling. *Nature Geoscience*. 2008;1(2):106-110. doi:10.1038/ngeo102

35.

Rignot E, Mouginot J, Scheuchl B. Ice Flow of the Antarctic Ice Sheet. *Science*. 2011;333(6048):1427-1430. doi:10.1126/science.1208336

36.

Rignot E, Jacobs S, Mouginot J, Scheuchl B. Ice-Shelf Melting Around Antarctica. *Science*. 2013;341(6143):266-270. doi:10.1126/science.1235798

37.

CryoSat | ESA. http://www.esa.int/Our_Activities/Observing_the_Earth/CryoSat

38.

Global Land Ice Measurements from Space. <http://www.glims.org/>

39.

Campbell JB, Wynne RH, MyiLibrary. *Hydrospheric Sciences*. In: *Introduction to Remote Sensing*. Guilford Press; 2011. <https://ebookcentral.proquest.com/lib/rhul/reader.action?docID=843851&pg=582>

40.

Fingas M, Brown C. Review of Oil Spill Remote Sensing. *Marine Pollution Bulletin*. 2014;83(1):9-23. doi:10.1016/j.marpolbul.2014.03.059

41.

Gawarkiewicz GG, Todd RE, Plueddemann AJ, Andres M, Manning JP. Direct Interaction Between the Gulf Stream and the Shelfbreak South of New England. *Scientific Reports*. 2012;2. doi:10.1038/srep00553

42.

Karim F, Dutta D, Marvanek S, et al. Assessing the Impacts of Climate Change and Dams on Floodplain Inundation and Wetland Connectivity in the Wet-dry Tropics of Northern Australia. *Journal of Hydrology*. 2015;522:80-94. doi:10.1016/j.jhydrol.2014.12.005

43.

Klemas V, Yan XH. Subsurface and Deeper Ocean Remote Sensing From Satellites: An Overview and New Results. *Progress in Oceanography*. 2014;122:1-9. doi:10.1016/j.pocean.2013.11.010

44.

Kozlov I, Dailidienė I, Korosov A, Klemas V, Mingélaitė T. MODIS-Based Sea Surface Temperature of the Baltic Sea Curonian Lagoon. *Journal of Marine Systems*. 2014;129:157-165. doi:10.1016/j.jmarsys.2012.05.011

45.

Mouw CB, Greb S, Aurin D, et al. Aquatic Color Radiometry Remote Sensing of Coastal and Inland Waters: Challenges and Recommendations for Future Satellite Missions. *Remote Sensing of Environment*. 2015;160:15-30. doi:10.1016/j.rse.2015.02.001

46.

Ogilvie A, Belaud G, Delenne C, et al. Decadal Monitoring of the Niger Inner Delta Flood Dynamics Using MODIS Optical Data. *Journal of Hydrology*. 2015;523:368-383. doi:10.1016/j.jhydrol.2015.01.036

47.

Palmer SCJ, Kutser T, Hunter PD. Remote Sensing of Inland Waters: Challenges, Progress and Future Directions. *Remote Sensing of Environment*. 2015;157:1-8.
doi:10.1016/j.rse.2014.09.021

48.

Reinart A, Reinhold M. Mapping Surface Temperature in Large Lakes With MODIS Data. *Remote Sensing of Environment*. 2008;112(2):603-611. doi:10.1016/j.rse.2007.05.015

49.

Campbell JB, Wynne RH. *Introduction to Remote Sensing*. 5th ed. Guilford Press; 2011.
<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=843851>

50.

Campbell JB, Wynne RH. *Introduction to Remote Sensing*. Guilford Press; 2011.
<https://ebookcentral.proquest.com/lib/rhul/detail.action?docID=843851>

51.

Direct Acquisition of Data: Airborne Laser Scanning.
http://geomorphology.org.uk/sites/default/files/geom_tech_chapters/2.1.4_LiDAR.pdf

52.

DEMs of Difference. British Society for Geomorphology.
http://geomorphology.org.uk/sites/default/files/geom_tech_chapters/2.3.2_DEMsOfDifference.pdf

53.

Roering JJ, Mackey BH, Marshall JA, et al. 'You are HERE': Connecting the Dots With Airborne Lidar for Geomorphic Fieldwork. *Geomorphology*. 2013;200:172-183.
doi:10.1016/j.geomorph.2013.04.009

54.

Eitel JUH, Höfle B, Vierling LA, et al. Beyond 3-D: The New Spectrum of Lidar Applications for Earth and Ecological Sciences. *Remote Sensing of Environment*. 2016;186:372-392. doi:10.1016/j.rse.2016.08.018

55.

Notebaert B, Verstraeten G, Govers G, Poesen J. Qualitative and Quantitative Applications of LiDAR Imagery in Fluvial Geomorphology. *Earth Surface Processes and Landforms*. 2009;34(2):217-231. doi:10.1002/esp.1705

56.

Smith MJ, Clark CD. Methods for the Visualization of Digital Elevation Models for Landform Mapping. *Earth Surface Processes and Landforms*. 2005;30(7):885-900. doi:10.1002/esp.1210

57.

Eitel JUH, Höfle B, Vierling LA, et al. Beyond 3-D: The New Spectrum of Lidar Applications for Earth and Ecological Sciences. *Remote Sensing of Environment*. 2016;186:372-392. doi:10.1016/j.rse.2016.08.018

58.

Roering JJ, Mackey BH, Marshall JA, et al. 'You are HERE': Connecting the Dots With Airborne Lidar for Geomorphic Fieldwork. *Geomorphology*. 2013;200:172-183. doi:10.1016/j.geomorph.2013.04.009

59.

Crapoulet A, Héquette A, Marin D, Levoy F, Bretel P. Variations in the Response of the Dune Coast of Northern France to Major Storms as a Function of Available Beach Sediment Volume. *Earth Surface Processes and Landforms*. 2017;42(11):1603-1622. doi:10.1002/esp.4098

60.

Goodwin NR, Armston JD, Muir J, Stiller I. Monitoring Gully Change: A Comparison of Airborne and Terrestrial Laser Scanning Using a Case Study From Aratula, Queensland. *Geomorphology*. 2017;282:195-208. doi:10.1016/j.geomorph.2017.01.001

61.

Mäkinen J, Kajuutti K, Palmu JP, Ojala A, Ahokangas E. Triangular-Shaped Landforms Reveal Subglacial Drainage Routes in Sw Finland. *Quaternary Science Reviews*. 2017;164:37-53. doi:10.1016/j.quascirev.2017.03.024

62.

Nelson A, Dubé K. Channel Response to an Extreme Flood and Sediment Pulse in a Mixed Bedrock and Gravel-Bed River. *Earth Surface Processes and Landforms*. 2016;41(2):178-195. doi:10.1002/esp.3843

63.

Obu J, Lantuit H, Grosse G, et al. Coastal Erosion and Mass Wasting Along the Canadian Beaufort Sea Based on Annual Airborne LiDAR Elevation Data. *Geomorphology*. 2017;293:331-346. doi:10.1016/j.geomorph.2016.02.014

64.

Robb C, Willis I, Arnold N, Guðmundsson S. A Semi-Automated Method for Mapping Glacial Geomorphology Tested at Breiðamerkurjökull, Iceland. *Remote Sensing of Environment*. 2015;163:80-90. doi:10.1016/j.rse.2015.03.007

65.

Abalharth M, Hassan MA, Klinkenberg B, Leung V, McCleary R. Using LiDAR to Characterize Logjams in Lowland Rivers. *Geomorphology*. 2015;246:531-541. doi:10.1016/j.geomorph.2015.06.036

66.

Breckenridge A. The Tintah-Campbell Gap and Implications for Glacial Lake Agassiz Drainage During the Younger Dryas Cold Interval. *Quaternary Science Reviews*. 2015;117:124-134. doi:10.1016/j.quascirev.2015.04.009

67.

Bull JM, Miller H, Gravley DM, Costello D, Hikuroa DCH, Dix JK. Assessing Debris Flows Using LIDAR Differencing: 18 May 2005 Matata Event, New Zealand. *Geomorphology*. 2010;124(1-2):75-84. doi:10.1016/j.geomorph.2010.08.011

68.

Croke J, Todd P, Thompson C, Watson F, Denham R, Khanal G. The Use of Multi Temporal LiDAR to Assess Basin-Scale Erosion and Deposition Following the Catastrophic January 2011 Lockyer Flood, SE Queensland, Australia. *Geomorphology*. 2013;184:111-126. doi:10.1016/j.geomorph.2012.11.023

69.

De Rose RC, Basher LR. Measurement of River Bank and Cliff Erosion From Sequential LIDAR and Historical Aerial Photography. *Geomorphology*. 2011;126(1-2):132-147. doi:10.1016/j.geomorph.2010.10.037

70.

Dowlinga TPF. Morphometry and Core Type of Streamlined Bedforms in Southern Sweden From High Resolution LiDAR. *Morphometry and Core Type of Streamlined Bedforms in Southern Sweden From High Resolution LiDAR*. 236:54-63. doi:https://doi.org/10.1016/j.geomorph.2015.02.018

71.

Lin Z, Kaneda H, Mukoyama S, Asada N, Chiba T. Detection of Subtle Tectonic-geomorphic Features in Densely Forested Mountains by Very High-Resolution Airborne LiDAR Survey. *Geomorphology*. 2013;182:104-115. doi:10.1016/j.geomorph.2012.11.001

72.

Benjamin H. Mackey, Joshua J. Roering and Michael P. Lamb. *Proceedings of the National Academy of Sciences of the United States of America*. 2011;108(47):18905-18909. <http://www.jstor.org/stable/23058621>

73.

Pedersen A, Kocurek G, Mohrig D, Smith V. Dune Deformation in a Multi-Directional Wind Regime: White Sands Dune Field, New Mexico. *Earth Surface Processes and Landforms*. 2015;40(7):925-941. doi:10.1002/esp.3700

74.

Reddya AD, Hawbakerb TJ, Wursterc F, et al. Quantifying Soil Carbon Loss and Uncertainty From a Peatland Wildfire Using Multi-Temporal LiDAR. *Quantifying soil carbon loss and uncertainty from a peatland wildfire using multi-temporal LiDAR*. 170:306-316. doi:https://doi.org/10.1016/j.rse.2015.09.017

75.

Richter A, Faust D, Maas HG. Dune Cliff Erosion and Beach Width Change at the Northern and Southern Spits of Sylt Detected With Multi-Temporal Lidar. *CATENA*. 2013;103:103-111. doi:10.1016/j.catena.2011.02.007

76.

Salcher BC, Hinsch R, Wagreich M. High-Resolution Mapping of Glacial Landforms in the North Alpine Foreland, Austria. *Geomorphology*. 2010;122(3-4):283-293. doi:10.1016/j.geomorph.2009.09.037