

CURRICULUM VITAE
HARRY F. L. WILLIAMS
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EDUCATION

1989 Ph.D Geography, Simon Fraser University, Burnaby, Canada.
1983 M.Sc Geography, University of British Columbia, Vancouver, Canada.
1980 B.Sc (Honors) Geography, University of Plymouth, England.

PROFESSIONAL EXPERIENCE

2012- Cont. Professor, Department of Geography, University of North Texas, Denton, Texas.
1995-2012: Associate Professor, Department of Geography, University of North Texas, Denton, Texas.
1989-1995: Assistant Professor, Department of Geography, University of North Texas, Denton, Texas.
1988-1989: Instructor, Vancouver Community College, Vancouver, British Columbia, Canada.
1983-1988: Sessional Instructor, Department of Geography, Simon Fraser University, Vancouver, British Columbia, Canada.

PROFESSIONAL ACTIVITIES

- Chair, AAG Coastal and Marine Specialty Group.
- Member, Editorial Board, Journal of Coastal Research.
- Member, Coastal Education and Research Foundation.
- Panelist, National Science Foundation, Coastal SEES (Science, Engineering and Education for Sustainability) program, Spring Review Panel Member, March 27th, 2013
- Panelist, National Science Foundation, Geomorphology and Land Use Dynamics Program, Spring Review Panel, Washington DC, April 21-23, 2010.
- Mentor, UNT Emerald Eagle Scholar Program.
- Proposal Reviewer: National Earthquake Hazard Reduction Program; National Science Foundation; Netherlands Organization for Scientific Research.
- Manuscript Reviewer: Palaeogeography, Palaeoclimatology, Palaeoecology; Journal of Foraminiferal Research; Geology, Geomorphology; Environmental Geology; Computers and Geosciences; Journal of Coastal Research, Marine Micropaleontology, Quaternary Science Reviews, Journal of Sedimentary Geology, The Holocene.
- Member: Association of American Geographers; AAG Geomorphology Specialty Group; AAG Coastal and Marine Specialty Group.
- Sessions co-organizer. Hurricanes I, II, III and IV. Association of American Geographers, Annual Meeting, Chicago, IL, April 21-25, 2015.

- Session Chair. Hurricanes II: Risk, Vulnerability, Resilience. Hurricanes III: Geomorphic Impacts. Association of American Geographers, Annual Meeting, Chicago, IL, April 21-25, 2015.
- Sessions co-organizer. Hurricanes I, II, III, IV, V and VI. Association of American Geographers, Annual Meeting, Tampa, FL, April 8-12, 2014.
- Session Chair. Hurricanes II: Paleotempestology/Geomorphic Impacts. Hurricanes III: Societal Response and Vulnerability. Hurricanes IV: Risk, Vulnerability and Policy. Hurricanes V: Disaster Management. Association of American Geographers, Annual Meeting, Tampa, FL, April 8-12, 2014.
- Sessions co-organizer. Hurricanes I & Hurricanes II. Association of American Geographers, Annual Meeting, Los Angeles, CA, April 9-13, 2013.
- Sessions co-organizer. Hurricanes I, II, III, IV, V and VI. Association of American Geographers, Annual Meeting, New York, New York, February 23-26, 2012.
- Session Chair. Paper Session 1410 Hurricanes III: Storm surges, extreme winds, and tornadoes. Association of American Geographers, Annual Meeting, New York, New York, February 23-26, 2012.
- Session Chair. Paper Session 1510 Hurricanes IV: Paleotempestology/Geomorphic Impacts. Association of American Geographers, Annual Meeting, New York, New York, February 23-26, 2012.
- Session Chair. Paper Session 1610 Hurricanes V: Ecological and Societal Impacts. Association of American Geographers, Annual Meeting, New York, New York, February 23-26, 2012.
- Session Chair. Paper Session 2110 Hurricanes VI: Paleotempestology/Environmental monitoring. Association of American Geographers, Annual Meeting, New York, New York, February 23-26, 2012.
- Sessions co-organizer. Hurricanes I, II, III and IV. Association of American Geographers, Annual Meeting, Seattle, Washington, April 12-16, 2011.
- Session Chair. Paper Session 3233 Hurricanes II: Tropical Cyclones and Climate Change. Association of American Geographers, Annual Meeting, Seattle, Washington, April 12-16, 2011.
- Session Chair. Paper Session 3433 Hurricanes III: Past and Present Hurricanes on Mexico's Pacific Coast. Association of American Geographers, Annual Meeting, Seattle, Washington, April 12-16, 2011.
- Sessions co-organizer. Hurricanes I, II, III, IV and V. Association of American Geographers, Annual Meeting, Washington DC, April 14-16, 2010.
- Session Chair. Paper Session 2265 Hurricanes II: Historical Records/Vulnerability. Association of American Geographers, Annual Meeting, Washington DC, April 14-16, 2010.
- Sessions co-organizer. Hurricanes I, II, III, IV, V and VI. Association of American Geographers, Annual Meeting, Las Vegas, March 26-27, 2009.
- Session Chair. Paper Session 6248 Hurricanes VI: Geomorphic Impacts and Paleotempestology. Association of American Geographers, Annual Meeting, Las Vegas, March 26-27, 2009.

- Sessions co-organizer. Hurricanes I, II, III, IV, V and VI. Association of American Geographers, Annual Meeting, Boston, April 17-18, 2008.
- Session Chair. Paper Session 3602 Hurricanes V: Paleotempestology and Climate Change. Association of American Geographers, Annual Meeting, Boston, April 17 2008.
- Sessions co-organizer. Hurricanes I, II, III, IV and V. Association of American Geographers, Annual Meeting, San Francisco, April 20, 2007.
- Session Chair. Paper Session 4207 Hurricanes II: Paleotempestology. Association of American Geographers, Annual Meeting, San Francisco, April 20 2007.
- Session Chair. Paper Session 4307 Hurricanes III: Geomorphic Impacts. Association of American Geographers, Annual Meeting, San Francisco, April 20 2007.
- Session Chair: Urban II: Modeling Infrastructure: Applied Geography Conference, Colorado Springs, Colorado, November 5-8 2003.
- Session Chair: Pedagogy And Educational Issues: An Applied Geography Perspective. Applied Geography Conference, Fort Worth, Texas, November 14-17 2001.

AREAS OF EXPERTISE:

Hurricane sedimentation, Tsunami sedimentation, paleotempestology, coastal geomorphology, Quaternary geology, foraminifera, GIS, GPS, cesium-137 dating, marsh sedimentation.

GRANTS RECEIVED

External research grants

1. Principal investigator. 2013. "Catalyzing US - Thailand Collaboration: Geologic Records of Tropical Cyclone Strikes on the Gulf of Thailand Coast." **National Science Foundation:** Catalyzing New International Collaborations: \$38,992 (2-year grant).
2. Principal investigator. 2012. "Hurricane Isaac Storm Surge Sedimentation." **National Science Foundation:** Division of Ocean Sciences, Marine Geology & Geophysics Program: \$ 18,781 (2-year grant).
3. Principal investigator. 2011. "RAPID: Hurricane Irene Storm Surge Sedimentation." **National Science Foundation:** Division of Earth Sciences, Geomorphology and Land-use Dynamics Program/Geography and Spatial Sciences Program: \$19,719 (2-year grant).
4. Principal investigator, 2008. "Stratigraphy, Sedimentology, Microfossil Content and Preservation of Hurricane Ike Storm Surge Deposits in Southeast Texas and Southwest Louisiana." **National Science Foundation:** Division of Earth Sciences, Geomorphology and Land-use Dynamics Program: \$12,185 (1.5-year grant).
5. Principal investigator, 2008. "Long-term Record of Hurricane Landfalls in Southwest Louisiana: A New Approach to Paleotempestology." **National Science Foundation:** Division of Earth Sciences, Geomorphology and Land-use Dynamics Program: \$69,503 (2-year grant).
6. Principal investigator, 2008. "Long-term Hurricane Landfall Records Derived From Marine Microfossils In Freshwater Lake Bed Sediments." **National Science Foundation:** Division of Earth Sciences, Geomorphology and Land-use Dynamics Program: \$7,359 (1.5-year grant).
7. Principal investigator, 2006. "Character and preservation of Hurricane Rita storm surge sedimentation in Louisiana coastal marshes." **National Science Foundation:** Division of

Earth Sciences, Geomorphology and Land-use Dynamics Program: \$19,932 (2.75-year grant).

8. Principal investigator, 2000, "Fieldwork and radiocarbon dating of tsunami deposits at Discovery Bay, Washington." **United States Geological Survey**, (\$7,000).
9. Principal investigator, 1999, "Prehistoric Tsunami Deposits in Washington State Coastal Marshes." **National Geographic Society** (\$15,000).
10. Principal investigator, 1996, "Geologic record of late-Holocene earthquakes in coastal marshes; North Coast and Northern Puget Sound, Washington State." U.S. Department of the Interior, **U.S. Geological Survey**, National Earthquake Hazard Reduction Program (\$30,449).
11. Principal investigator, 1995, "Shoreline Erosion at Shamrock Island Preserve, Texas." **Nature Conservancy of Texas** (\$1,800).
12. Principal investigator, 1994, "Geologic record of late-Holocene earthquakes in coastal marshes; North Coast and Northern Puget Sound, Washington State." U.S. Department of the Interior, **U.S. Geological Survey**, National Earthquake Hazard Reduction Program (\$27,739).
13. Principal investigator, 1994, "Impact of dam construction on recent sedimentation rates in Mad Island Slough and Mad Island Lake, Texas." **Nature Conservancy of Texas** (\$1,905).
14. Principal investigator, 1993, "In search of ancient earthquakes: investigating paleoseismicity in British Columbia." **National Geographic Society** (\$6,956).
15. Principal investigator, 1993, "Paleoecological Evidence of Salinity Changes in Mad Island Lake, Texas: Application to determining recent lake sedimentation." **Nature Conservancy of Texas** (\$2,200).
16. Principal investigator, 1992, "Marsh Foraminifera distributions, Mad Island Preserve, Texas." **Nature Conservancy of Texas** (\$800).
17. Principal investigator, 1992, "Rates of marsh erosion and sedimentation on Mad Island Preserve, Texas." **Nature Conservancy of Texas** (\$800).
18. Principal investigator, 1985, "Depositional Structure and Holocene Evolution of the Fraser River Delta, B.C." **Geological Society of America** (\$600).
19. Co-principal investigator, 1984-1986, "Depositional Structure and Holocene Evolution of the Fraser River Delta, B.C." **Energy, Mines and Resources, Canada** (\$30,000).

External equipment grants

1. Co-principal investigator, 1996, "Enhancing Geographic Education with data visualization and GIS technology." **National Science Foundation**, Instrumentation and Laboratory Improvement: Instrumentation Project, \$70,000, 1996-1998.

UNT research grants

1. Principle investigator, 2012, "Developing International Research Collaborations: Tsunami and Tropical Cyclone Research in Thailand." **University of North Texas**, Office of Research and Economic Development, Small Grant Program (\$1,000).
2. Principal investigator, 2011, "Developing International Research Collaborations: Tsunami Research in Thailand". **Charn Uswachoke International Development Fund**

- (\$2,500).
3. Co-principal investigator, 1997, "Developing statistical methods as aids to paleoecological interpretation." **University of North Texas**, Faculty Research Opportunities Program (\$3,500).
 4. Co-principal investigator, 1996, "Linking a GIS to a Simulation Model of Coastal Wetlands Growth in the Trinity River estuary, Texas." **University of North Texas**, Faculty Research Opportunities Program (\$1,800).
 5. Co-principal investigator, 1995, "Cesium-137 dating of coastal wetland sediments in the Trinity River estuary, Texas." **University of North Texas**, Faculty Research Opportunities Program (\$2,500).
 6. Principal investigator, 1994, "Numerical modeling of coastal wetlands growth in response to rising sea level induced by global warming: Trinity River estuary, Texas." **University of North Texas**, Faculty Research Opportunities Program (\$2,000).
 7. Principal investigator, 1993, "Application of a numerical tidal mixing model and GIS-based land cover model to assessing the impacts of global warming on coastal wetlands, Trinity River estuary, Texas." **University of North Texas**, Faculty Research Opportunities Program (\$3,500).
 8. Principal investigator, 1991, "Determination of marsh sedimentation rates using cesium-137 radioactive fallout." **University of North Texas**, Small Grant Program (\$900).
 9. Principal investigator, 1990, "An investigation of long-term rates of marsh migration in response to rising sea-level within the Texas Coastal Zone." **University of North Texas**, Faculty Research Initiation Grant (\$2,500).
 10. Principal investigator, 1989, "An investigation of the character and growth of deltaic deposits in Lewisville Lake, Texas." **University of North Texas**, Faculty Research Initiation Grant (\$2,515).

UNT instructional grants

1. Principal investigator, 2005, "Developing Online Labs for a Large-Enrollment Geography Lab-Science Class." **University of North Texas** Learning Enhancement Grant (\$2,874).
2. Principal investigator, 2002, "Developing Training Materials for Teaching Assistants in large Lab-Science classes." **University of North Texas** Undergraduate Instructional Development Grant (\$7,518).
3. Principal investigator, 2000, "Virtual Field Trips for Large-Enrollment Geography Lab Science Classes." **University of North Texas**, Instructional Development Grant (\$7,912).
4. Principal investigator, 1999, "Integrating Global Positioning Systems (GPS) Technology into the Center for Spatial Analysis and Mapping (CSAM)." **University of North Texas**, Instructional Development Grant (\$7,518).
5. Co-principal investigator, 1997, "British Isles Field School." **University of North Texas**, Instructional Development Grant (\$6,939).
6. Co-principal investigator, 1996, "British Isles Field School." **University of North Texas**, **Charn Uswachoke International Development Fund** (\$1700).
7. Principal investigator, 1993, "Developing and testing of cartographic databases, software and hardware for the Center for Spatial Analysis and Mapping." **University of North Texas**, Instructional Development Grant (\$5,709).

PUBLICATIONS

Refereed journal articles

(g): result of grant; underlining indicates main author.

1. Williams, H.F.L. 2015. Contrasting styles of Hurricane Irene washover sedimentation on three east coast barrier islands: Cape Lookout, North Carolina; Assateague Island, Virginia; and Fire Island, New York. **Geomorphology**, 231: 182–192. (g)
2. Williams, H.F.L. 2013. 600-year sedimentary archive of hurricane strikes in a prograding beach ridge plain, southwestern Louisiana. **Marine Geology**, 336: 170-183. (g)
3. Williams, H.F.L. and Denlinger, E. 2013. Contribution of Hurricane Ike storm surge sedimentation to long-term aggradation of Southeastern Texas coastal marshes. **Journal of Coastal Research**, Special Issue 65: 838-843. (g)
4. Williams, H.F.L. 2012. Magnitude of Hurricane Ike storm surge sedimentation: implications for coastal marsh aggradation. **Earth Surface Processes and Landforms**, 37:901-906 (g)
5. Williams, H.F.L. 2011. Stratigraphic record of hurricanes Audrey, Rita and Ike in the Chenier Plain of Southwest Louisiana. **Journal of Coastal Research** Special Issue 64, 1921-1926. (g)
6. Williams, H.F.L. 2011. Shell-bed tempestites in the Chenier Plain of Louisiana: Late-Holocene example and modern analogue. **Journal of Quaternary Science** 26, 199-206. (g)
7. Williams, H.F.L. 2010. Storm surge deposition by Hurricane Ike on the McFaddin National Wildlife Refuge, Texas: implications for paleotempestology studies. **Journal of Foraminiferal Research**, 40: 510-519. (g)
8. Williams, H.F.L. and Flanagan, W.M. 2009. Contribution of Hurricane Rita storm surge deposition to long-term sedimentation in Louisiana coastal woodlands and marshes. **Journal of Coastal Research**, Special Issue 56, 1671-1675. (g)
9. Williams, H.F.L. 2009. Stratigraphy, Sedimentology and Microfossil Content of Hurricane Rita Storm Surge Deposits in Southwest Louisiana. **Journal of Coastal Research**, 25: 1041-1051. (g)
10. Williams, H.F.L. 2008. GIS-based analysis of foundation repairs and soil conditions in the Dallas-Fort Worth region, Texas. **Environmental Geology**, 58, 919-928, DOI: 10.1007/s00254-008-1571-y
11. Williams, H.F.L., Havens, D.L., Banks K.E. and Wachal D.J. 2007. Field-based monitoring of sediment runoff from natural gas well sites in Denton County, Texas, USA. **Environmental Geology**, 55: 1463-1471.
12. Mangham, W. and Williams, H. 2007. GPS-Based Analysis Of Shoreline Change, 1995-2005, Mad Island Marsh Preserve, Matagorda County, Texas. **Texas Journal of Science**, 59: 61-72. (g)
13. Vicars-Groening, J. and Williams, H.F.L. 2006. Impact of urbanization on storm response of White Rock Creek, Dallas, TX. **Environmental Geology**, 31: 1263-1269.
14. Williams, H.F.L., Hutchinson, I. and Nelson, A. 2005. Multiple sources for late Holocene Tsunamis at Discovery Bay, Washington. **The Holocene** 15: 60-73. (g)

15. Williams, H.F.L. 2003. Urbanization Pressure Increases Potential for Soils-Related Hazards, Denton County, Texas. **Environmental Geology**, 44: 933-938.
16. Williams, H.F.L. 2003. Modeling Shallow Autocompaction in Coastal Marshes using Cesium-137 Fallout: Preliminary Results from the Trinity River Estuary, Texas. **Journal of Coastal Research**, 19: 180-188. (g)
17. Williams, H.F.L. and Hutchinson, I. 2000. Stratigraphic and Microfossil Evidence for Late Holocene Tsunamis at Swantown Marsh, Whidbey Island, Washington. **Quaternary Research**, 54: 218-227. (g)
18. Williams, H.F.L. 1999. Foraminiferal distributions in tidal marshes bordering the Strait of Juan de Fuca: Implications for paleoseismicity studies. **Journal of Foraminiferal Research**, 29: 24-36. (g)
19. Williams, H.F.L. 1999. Sand spit erosion following interruption of longshore sediment transport: Shamrock Island, Texas. **Environmental Geology**, 37: 153-161. (g)
20. Ozarko, D.L., Patterson, R.T., and Williams, H.F.L., 1997. Marsh Foraminifera from Nanaimo, British Columbia: implications of infaunal habitat and taphonomic biasing. **Journal of Foraminiferal Research**, 27:51-68. (g)
21. Williams, H.F.L. 1995. Assessing the impact of weir construction on recent sedimentation using cesium-137. **Environmental Geology**, 26:166-171. (g)
22. Hutchinson, I., Roberts, M.C. and Williams, H.F.L. 1995. Stratigraphy, diatom biofacies and paleogeomorphology of a Mid-Holocene distributary channel system, Fraser Delta, British Columbia, Canada. **Canadian Journal of Earth Sciences**, 32, pp. 749-757. (g)
23. Williams, H.F.L. and Hamilton, T.S. 1995. Sedimentary dynamics of an eroding tidal marsh derived from stratigraphic records of 137Cs fallout, Fraser Delta, British Columbia. **Journal of Coastal Research**, 11, pp. 1145-1156. (g)
24. Williams, H.F.L. 1995. Foraminiferal record of recent environmental change: Mad Island Lake, Texas. **Journal of Foraminiferal Research**, 25, pp. 167-176. (g)
25. Williams, H.F.L. 1994. Intertidal benthic foraminiferal biofacies on the Central Gulf Coast of Texas: modern distribution and application to sea level reconstruction. **Micropaleontology**, 40, pp. 169-183. (g)
26. Williams, H.F.L. 1993. Shoreline erosion at Mad Island Marsh Preserve, Matagorda County, Texas. **Texas Journal of Science**, 45, pp. 299-309. (g)
27. Williams, H.F.L., and D'Auria, J. 1991. A Mazama tephra marker bed in the Fraser Lowland, British Columbia. **Canadian Journal of Earth Sciences**, 28, pp. 150-153. (g)
28. Williams, H.F.L., and Hebda, R.J. 1991. Palynology of aggradational, Holocene, topset sediments of the Fraser River delta, British Columbia. **Palaeogeography, Palaeoecology and Palaeoclimatology**, 86, pp. 297-311. (g)
29. Williams, H.F.L. 1991. Character and growth of deltaic deposits in Lewisville Lake, Texas. **Texas Journal of Science**, 43, pp. 377-389. (g)
30. Williams, H.F.L., and Luternauer, J.L. 1991. Shallow structure and growth of the southern Fraser River Delta: preliminary field results. Current Research, Part A: **Geological Survey of Canada Paper**, 91-1A, pp. 85-90. (g)
31. Williams, H.F.L., and Roberts, M.C. 1990. Two Mid-Holocene marker beds in aggraded floodplain deposits, Fraser River Delta, British Columbia. **Geographie Physique et Quaternaire**, 44, pp. 27-32. (g)

32. Williams, H.F.L., 1989. Foraminiferal zonations on the Fraser River Delta and their application to paleoenvironmental interpretations. **Palaeogeography, Palaeoecology and Palaeoclimatology**, 73, pp. 39-50. (g)
33. Williams, H.F.L. and Roberts. M.C., 1989. Holocene Sea-level change and delta growth: Fraser River delta, British Columbia. **Canadian Journal of Earth Sciences**, 26, pp. 1657-1666. (g)
34. Williams, H.F.L., and Roberts, M.C., 1987. Mid-Holocene paleosurfaces in vertical accretion deposits, Fraser River delta, British Columbia, in Current Research, Part A: **Geological Survey of Canada Paper 87-1A**, pp. 757-761. (g)
35. Williams, H.F.L., 1986. Depositional facies and evolution of Lulu Island topset deposits, Fraser River Delta, British Columbia; Current Research, Part A, **Geological Survey of Canada**, Paper 86-1A, pp. 559-564. (g)
36. Roberts, M.C., Williams, H.F.L., Luternauer, J.L. and Cameron, B.E.B., 1985. Sedimentary framework of the Fraser River delta, British Columbia: preliminary field and laboratory results. Current Research, Part A, **Geological Survey of Canada**, Paper 85-1A, pp. 717-722. (g)

Proceedings Papers

1. Hollingshad, L. And Williams, H.F.L. 2004. Geographic Analysis of the impact of Texas House Bill 1 on the Texas Children's Health Insurance Program (TX Chip). **Papers of the Applied Geography Conferences**, St. Louis, Missouri, October 20-22, 2004, 27: 364-371.
2. Williams, M. and Williams, H.F.L. 2003. Evaluating Accuracy of Municipal Infrastructure Geocoding Using GPS: A Case Study from Highland Village, Texas. **Papers of the Applied Geography Conferences**, Colorado Springs, Colorado, November 5-8, 2003, 26: 36-39.
3. Havens, D. and Williams, H.F.L. 2002. Using GIS to determine optimal recycling collection site locations in Denton, Texas. **Papers and proceedings of the Applied Geography Conferences**, Binghamton, New York, October 23-26, 2002, 25:117-122.
4. Williams, H.F.L. and Coleman, W. 2001. A Case Study Of "Real-World" Project Work In Undergraduate GIS Instruction: The Educational Value Of Working With Realistically Problematical Data. **Papers and proceedings of the Applied Geography Conferences**, Fort Worth, Texas, November 14-17 2001, 24:332-340.
5. Sanchez, D. and Williams, H.F.L. 2001. Environmental Justice in Dallas County, Texas: A Spatial Analysis of Hazardous Waste Site Locations. **Papers and proceedings of the Applied Geography Conferences**, Fort Worth, Texas, November 14-17 2001, 24:201-208.

Book chapters

1. Williams, H.F.L. 2016. Overwash, in Encyclopedia of Estuaries, Ed. Kennish, Michael J., Springer Publications, 2000 p.
2. Williams, H.F.L. 2007. MapInfo Professional, in Encyclopedia of Geographic Information Science, Ed. Karen K. Kemp. Sage Publications, Inc, 584 p.
3. Luternauer, J.L., Atkins, R.J., Moody, A.I., Williams, H.F.L. and Gibson, J.W. **Salt marshes**, in Geomorphology and Sedimentology of Estuaries, chapter 11, p. 307-332.

Developments in Sedimentology 53, edited by G.M.E. Perillo, 1995, Elsevier-Science B.V.

Research reports

1. Williams, H.F.L. 1999. Lewisville Independent School District, Bus Route Project. Research Report to Lewisville ISD, 13 p.
2. Williams, H.F.L. 1997. Rates of shoreline erosion at Shamrock Island Preserve, Nueces County, Texas. **The Nature Conservancy of Texas**, Research Report, 53 p.
3. Williams, H.F.L. 1994. Paleocological evidence of salinity changes in Mad Island Lake, Texas: application to determining recent lake sedimentation. **The Nature Conservancy of Texas**, Research Report, 41 p.
4. Williams, H.F.L. 1994. Impact of weir construction on recent sedimentation rates in Mad Island Slough and Mad Island Lake, Texas. **The Nature Conservancy of Texas**, Research Report, 19 p.
5. Williams, H.F.L. 1993. Shoreline erosion monitoring network, Mad Island Marsh Preserve, Matagorda County, Texas: First year results (1992-1993). **The Nature Conservancy of Texas**, Research Report, 18 p.
6. Williams, H.F.L. 1992. Paleocological evidence of environmental change at Mad Island Marsh Preserve, Matagorda County, Texas. **The Nature Conservancy of Texas**, Research Report, 27 p.
7. Williams, H.F.L. 1992. Rates of shoreline erosion at Mad Island Marsh Preserve, Matagorda County, Texas. **Nature Conservancy of Texas**, Research Report, 32 p.

PRESENTATIONS

(g): result of grant

1. Williams, H.F.L. 2015. Geologic Records of Holocene Typhoon Strikes on the Gulf of Thailand Coast. Association of American Geographers, Annual Meeting, Chicago, IL, April 21-25, 2015. (g)
2. Hodge, J. and Williams, H.F.L. 2015. Assessing Post-Hurricane Rita & Ike sedimentation on the McFaddin National Wildlife Refuge: Implications for coastal marsh aggradation. Association of American Geographers, Annual Meeting, Chicago, IL, April 21-25, 2015.
3. Hodge, J. and Williams, H.F.L. 2014. Assessing Post-Hurricane Rita & Ike Sedimentation on the McFaddin National Wildlife Refuge: Implications for Coastal Marsh Aggradation. Joint meeting of the Southwest and Great Plains-Rocky Mountain Divisions of the Association of American Geographers, October 23-25, 2014.
4. Williams, H.F.L. 2014. Hurricane Irene Washover Sedimentation. Association of American Geographers, Annual Meeting, Tampa, FL, April 8-12, 2014. (g)
5. Williams, H.F.L. 2013. Contribution of Hurricane Ike storm surge sedimentation to long-term aggradation of Southeastern Texas coastal marshes. International Coastal Symposium, Plymouth, England. April 8-12, 2013. (g)
6. Williams, H.F.L. 2012. 600-year Sedimentary Archive of Hurricane Strikes in a Prograding Beach Ridge Plain, Southwestern Louisiana. Department of Geology, Chulalongkorn University, Bangkok, Thailand, August 16, 2012. Invited Lecture. (g)
7. Williams, H.F.L. 2012. Regional Distribution and Magnitude of Hurricane Ike Storm Surge Sedimentation in Texas and Louisiana. Association of American Geographers, Annual Meeting, New York, New York, February 23-26, 2012. (g)

8. Denlinger, E. and Williams, H.F.L. 2012. Preservation of Hurricane Ike Storm Surge Deposits. Association of American Geographers, Annual Meeting, New York, New York, February 23-26, 2012. (g)
9. Williams, H.F.L. 2011. Stratigraphic record of hurricanes Audrey, Rita and Ike in the Chenier Plain of Southwest Louisiana. 11th International Coastal Symposium, Szczecin, Poland, May 9-14 2011. (g)
10. Williams, H.F.L. 2011. Geologic Record of Late-Holocene Hurricane Landfalls in the Chenier Plain of Louisiana. Association of American Geographers, Annual Meeting, Seattle, Washington, April 12-16, 2011. (g)
11. Denlinger, E. and Williams, H.F.L. 2011. Contribution of Hurricane Ike Storm Surge Deposition to Long-Term Sedimentation in Texas and Louisiana Coastal Woodlands and Marshes. Association of American Geographers, Annual Meeting, Seattle, Washington, April 12-16, 2011. (g)
12. Williams, H.F.L. 2010. Hurricane Ike Storm Surge Sedimentation in Texas and Louisiana. Applied Geography Conference, October 20-23, 2010, Fort Worth, Texas. (g)
13. Williams, H.F.L. 2010. Geologic Record of Hurricane Landfalls in the Chenier Plain of Southwest Louisiana. Association of American Geographers, Annual Meeting, Washington DC, April 14-16, 2010. (g)
14. Williams, H.F.L. 2010. Shell-bed tempestites in the Chenier Plain of Louisiana: Late-Holocene example and modern analogue. Association of American Geographers, Annual Meeting, Washington DC, April 14-16, 2010. (g)
15. Williams, H.F.L. 2009. Long-term Record of Hurricane Landfalls in Southwest Louisiana – Preliminary Field Results. Invited lecture, **School of the Coast and Environment, Louisiana State University**, November 6, 2009. (g)
16. Williams, H.F.L. and Flanagan, W. 2009. Contribution of Hurricane Rita Storm Surge Deposition to Long-Term Sedimentation in Louisiana Coastal Woodlands and Marshes. **10th International Coastal Symposium**, Lisbon, Portugal, April 15, 2009. (g)
17. Williams, H.F.L. 2009. Assessment of Long-term Hurricane Records in Fresh-Brackish Lake Bed Sediments on the McFaddin National Wildlife Refuge, Texas: Preliminary Results. **Association of American Geographers**, Annual Meeting, Las Vegas, Nevada, March 27, 2009. (g)
18. Williams, H.F.L. and Flanagan, W. 2008. Contribution of Hurricane Rita Storm Surge Deposition to Long-Term Sedimentation in Louisiana Coastal Woodlands and Marshes. **Association of American Geographers**, Annual Meeting, Boston, Massachusetts, April 17, 2008. (g)
19. Williams, H.F.L. and Flanagan, W. 2007. Stratigraphy, Sedimentology and Microfossil content of Hurricane Rita storm surge deposits in southwest Louisiana. **Association of American Geographers**, Annual Meeting, San Francisco, California, April 20, 2007. (g)
20. Williams, H.F.L. 2006. Hurricane Rita Storm Surge Deposits in Southwest Louisiana: Preliminary Fieldwork Results. **Gulf Coast Association of Geological Societies/International Geological Correlation Programme (IGCP 490)** Meeting, Lafayette, LA, September 25 - 27, 2006. (g)
21. Williams, H.F.L. and Vicars-Groening, J. 2005. Impact of Urbanization on Storm Response of White Rock Creek, Dallas, Texas. 2005 **American Geophysical Union** Fall Meeting, San Francisco, CA, 5–9 December 2005.

22. Williams, H.F.L., Hutchinson, I., and Nelson, A.R., 2005. A 2500-Year Record of Late-Holocene Tsunamis at Discovery Bay, Washington State, USA. **Geological Society of America**, 2005 Salt Lake City Annual Meeting, October 16–19, 2005. (g)
23. Hollingshad, L. and Williams, H.F.L. 2004. Geographic Analysis of the Impact of Texas House Bill 1 on the Texas Children's Health Insurance Program (TX Chip). **Papers of the Applied Geography Conferences**, St. Louis, Missouri, October 20-24.
24. Williams, M. and Williams, H.F.L. 2003. Evaluating Accuracy of Municipal Infrastructure Geocoding Using GPS: A Case Study from Highland Village, Texas. **Papers of the Applied Geography Conferences**, Colorado Springs, Colorado, November 5-8, 2003.
25. Williams, H.F.L. 2003. Urbanization Pressure Increases Potential for Soils-Related Hazards, Denton County, Texas. **Southwestern Division of the Association of American Geographers**, Annual Fall Meeting, Stillwater, Oklahoma, October 23-25, 2003.
26. Williams, H.F.L., Hutchinson, I. And Nelson, A. 2002. Multiple sources for late Holocene tsunamis at Discovery Bay, Washington State. **American Geophysical Union**, Annual Meeting, San Francisco, California, December 6-9, 2002. (g)
27. Havens, D. and Williams, H.F.L. 2002. Using GIS to determine optimal recycling collection site locations in Denton, Texas. **Applied Geography Conferences**, Binghamton, New York, October 23-26, 2002.
28. Williams, H.F.L. and Coleman, W. 2001. A Case Study Of "Real-World" Project Work In Undergraduate GIS Instruction: The Educational Value Of Working With Realistically Problematical Data. **Papers and proceedings of the Applied Geography Conferences**, Fort Worth, Texas, November 14-17 2001.
29. Sanchez, D. and Williams, H.F.L. 2001. Environmental Justice in Dallas County, Texas: A Spatial Analysis of Hazardous Waste Site Locations. **Papers and proceedings of the Applied Geography Conferences**, Fort Worth, Texas, November 14-17 2001.
30. Hutchinson, I., Clague, J., Bobrowsky, P. and Williams, H.F.L. 2000. Investigations of Cascadia paleoseismicity in southwestern BC and northernmost Washington State. **United States Geological Survey**, Great Cascadia Earthquake Tricentennial Penrose Conference, Seaside, Oregon 4-8 June 2000. (g)
31. Williams, H.F.L. 2000. Review of Research Projects at Mad Island Marsh Preserve. **The Nature Conservancy of Texas Board of Trustees Meeting**, Dallas, Texas, June, 2000. (g)
32. Williams, H.F.L. 1999. A New Modeling Approach for Estimating Shallow Autocompaction in Coastal Marshes: Preliminary Results from the Trinity River Estuary, Texas. **Southwestern Division of the Association of American Geographers**, Annual Fall Meeting, San Marcos, Texas, October 20-23, 1999. (g)
33. Williams, H.F.L. 1997. Recent changes in tidal marsh sedimentation derived from 137cs fallout, Fraser Delta, Canada. **Institute of British Geographers/Royal Geographic Society** Joint Annual Meeting, Exeter, U.K., January 7-10, 1997. (g)
34. Williams, H.F.L. 1995 Foraminiferal record of the 1961 impact of Hurricane Carla in a Texas tidal lake. Symposium S19: Taphonomy of microfossils: paleoenvironmental reconstruction and environmental assessment. **Geological Society of America**, Annual Meeting, November 6-9, 1995, New Orleans, Louisiana. (g)

35. Williams, H.F.L. 1995. Stratigraphic and foraminiferal evidence for earthquake-induced subsidence and an attending tsunami about 300 years ago at Sooke Inlet, southern Vancouver Island, Canada. Tsunami deposits: geologic warnings of future inundation. **University of Washington**, Seattle, Washington, May 22-23, 1995. (g)
36. Bigelow, A.W., Williams, H.F.L. and Weathers, D.L. 1995. Determination of sedimentation rates from radioactive fallout ^{137}Cs using a high-purity Germanium gamma ray detector. The Texas Section of the American Association of Physics Teachers, The Texas Section of the **American Physical Society**, Zone 13 of the Society of Physics Students, Spring 1995 Meeting, Program with Abstracts BH7, Sam Houston State University, Huntsville, Texas, March 2-4, 1995. (g)
37. Williams, H.F.L. 1994. Foraminiferal record of recent environmental change: Mad Island Lake, Texas. **Southwestern Division of the Association of American Geographers**, Annual Fall Meeting, Hot Springs, Arkansas, October 20-22, 1994. (g)
38. Williams, H.F.L. and Hamilton, T.S. 1994. Tidal marsh dynamics derived from ^{137}Cs fallout, Fraser Delta, Canada. **Association of American Geographers**, Annual Meeting, San Francisco, California, March 29 - April 2, 1994. (g)
39. Williams, H.F.L. 1994. Sedimentary dynamics of an eroding tidal marsh derived from stratigraphic records of cesium-137 fallout, Sturgeon Bank tidal marsh, Fraser Delta, British Columbia. Department of Geography and Institute of Quaternary Research, **Simon Fraser University**, Burnaby, British Columbia, Canada, March 17th, 1994 (invited lecture). (g)
40. Williams, H.F.L. 1993. Paleocological evidence of salinity changes in Mad Island Lake, Texas. **Association of American Geographers**, Annual Meeting, Atlanta, Georgia, April 6-10, 1993. (g)
41. Williams, H.F.L. 1993. Shoreline erosion and coastal wetland degradation; Mad Island Marsh Preserve, Matagorda County, Texas. **Southwestern Division of the Association of American Geographers**, Annual Spring Meeting, New Orleans, Louisiana, March 17-20, 1993. (g)
42. Williams, H.F.L. 1992. Monitoring shoreline erosion at Mad Island Preserve, Texas. **Applied Geography Conference**, October 21-24, 1992, Denton, Texas. (g)
43. Williams, H.F.L. and Hamilton, T.S. 1992. Determining marsh sedimentation by ^{137}Cs fallout, Fraser Delta, British Columbia. **Association of American Geographers**, Annual Meeting, San Diego, California, April 18-21, 1992. (g)
44. Williams, H.F.L. 1991. Microfossil evidence of late-Holocene sea-level change on the Texas Gulf Coast. **Southwestern Division of the Association of American Geographers**, Annual Fall Meeting, Nacogdoches, Texas, October 17-19, 1991. (g)
45. Williams, H.F.L. and Hebda, R.J. 1991. Palynological record of Holocene sea-levels, Fraser Delta, British Columbia. **Association of American Geographers**, Annual Meeting, Miami, Florida, April 12-15, 1991. (g)
46. Williams, H.F.L. 1991. Biostratigraphic indicators of sea-level change. **Southwestern Division of the Association of American Geographers**, Annual Spring Meeting, San Antonio, Texas, March 27-29, 1991. (g)
47. Williams, H.F.L. 1990: Character and growth of deltaic deposits in Lewisville Lake, Texas. **Southwestern Division of the Association of American Geographers**, Annual Fall Meeting, Austin, Texas, October 4-6, 1990. (g)

48. Williams, H.F.L. 1990: Holocene sea-level change and delta growth: Fraser River Delta, British Columbia. **Geological Association of Canada/Mineralogical Association of Canada**, Annual Meeting, May 16-18, 1990, Vancouver, BC, Canada. (g)
49. Williams, H.F.L. 1990: Holocene sea-level change and delta growth: Fraser Delta, British Columbia. **Association of American Geographers, Southwest Division**, Annual Spring Meeting, March 28-30, 1990, Fort Worth, Texas. (g)
50. Williams, H.F.L. 1986. Depositional facies and evolution of Lulu Island topset deposits, Fraser River Delta, British Columbia. **Canadian Association of Geographers**, Western Division Meeting, March 14-16, 1987. (g)

SERVICE

UNIVERSITY COMMITTEES AND COUNCILS

- 2009-2010. Member, Ad Hoc Committee on Open Access Archiving.
- 2009-2010. Chair, Graduate Student Travel Grant Review Committee.
- 2010-2011. Member, Graduate Student Travel Grant Review Committee.

COLLEGE COMMITTEES AND COUNCILS

- 1994-1997 Member, Undergraduate Curriculum Committee, College of Arts and Sciences, University of North Texas.
- 1996-1997 Member, College Departmental Assessment Committee, College of Arts and Sciences, University of North Texas.
- 2000-2004 Member, Core Assessment Sub-committee on Laboratory Science Courses College of Arts and Sciences, University of North Texas.
- 2003-2004. Member, Ad Hoc Appeal Committee, College of Arts and Sciences, University of North Texas.

DEPARTMENT COMMITTEES AND COUNCILS

- 1990-2004. Library materials acquisition representative.
- 1991-2010. Chair, Curriculum Committee.
- 1995-2012. Chair, Promotion and Tenure Committee.
- 1995-2012. Chair, Personnel Affairs Committee.
- 2000-Cont. Earth Science Lab Coordinator.
- 2001-2004. Chair, Committee on GIS Certification Program.
- 2002-2003. Chair, Earth Science Coordination Committee.
- 2002-2003. Chair, Department Teaching Assistant Committee.
- 2007-2012. Chair, PAC Points Committee.
- 2007-2008. Chair, Search Committee (Hydrology position).
- 2007-2012. Member, Graduate Admissions Committee.
- 2009-2010. Member, Search Committee (Latin America position).
- 2013-Cont. Member, Curriculum Committee.
- 2013-Cont. Ad Hoc Member, Promotion and Tenure Committee.