

**CURRICULUM VITAE**  
**HARRY F. L. WILLIAMS**

December 4, 2024

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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**

2022 – 2023. Associate Chair, Department of Geography and the Environment, University of North Texas, Denton, Texas.  
2012- Cont. Professor, Department of Geography and the Environment, University of North Texas, Denton, Texas.  
1995-2012: Associate Professor, Department of Geography and the Environment, University of North Texas, Denton, Texas.  
1989-1995: Assistant Professor, Department of Geography and the Environment, 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, 2014 – 2017.
- 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, Natural Hazards, Marine Geology, Land, PLOS ONE, Frontiers in Earth Science, Quaternary Science Reviews.
- Member: American Association of Geographers; AAG Geomorphology Specialty Group;

AAG Coastal and Marine Specialty Group.

- Sessions co-organizer, Hurricanes I, II and III. American Association of Geographers, Annual Meeting, Honolulu, HI, April 18, 2024.
- Session Chair, Hurricanes I: Climatology, Hurricanes II: Resilience, Hurricanes III: Geomorphology. American Association of Geographers, Annual Meeting, Honolulu, HI, April 18, 2024.
- Sessions co-organizer, Hurricanes I, II and III. American Association of Geographers, Annual Meeting, Denver, CO, March 23-27, 2023.
- Session Chair, Hurricanes I: Geomorphology, Hurricanes II: Climatology; Hurricanes III: Media coverage. American Association of Geographers, Annual Meeting, Denver, CO, March 23-28, 2023.
- Sessions co-organizer, Hurricanes I, II and III. American Association of Geographers, Annual Meeting, Washington, DC, April 3 - 7, 2019.
- Session Chair, Hurricanes II: Geomorphology, Hurricanes III: Paleotempestology. American Association of Geographers, Annual Meeting, Washington, DC, April 3-7, 2019.
- Sessions co-organizer, Hurricanes I, II, III IV and V. American Association of Geographers, Annual Meeting, New Orleans, LA, April 10 - 14, 2018.
- Session Chair, Hurricanes I: Climatology and Meteorology, Hurricanes II: Risk, Vulnerability, Resilience, Hurricanes V: Economic and land-cover-change Impacts. American Association of Geographers, Annual Meeting, New Orleans, LA, April 10 - 14, 2018.
- Sessions co-organizer, Hurricanes I, II and III. Session Organizer, Coastal Geomorphology and Impacts of Sea-level Rise. American Association of Geographers, Annual Meeting, Boston, MA, April 5-8, 2017.
- Session Chair, Hurricanes I: Climatology, Hurricanes II: Risk, Vulnerability and Resilience, Hurricanes III: Coastal Geomorphology and Paleotempestology. American Association of Geographers, Annual Meeting, Boston, MA, April 5-8, 2017.
- Sessions co-organizer. Hurricanes I, II, III and IV. Association of American Geographers, Annual Meeting, San Francisco, CA, March 29-April 2, 2016.
- Session Chair. Hurricanes II: Tropical Cyclone History, Risk and Impacts. Hurricanes IV: Risk, Vulnerability and Resilience. American Association of Geographers, Annual Meeting, San Francisco, CA, March 29-April 2, 2016.
- Session Chair. Session VIII. Future Scenarios and Risk Assessment. 5<sup>th</sup> International Summit on Climate Change and Hurricanes. June 9-14, 2015, Chania, Crete, Greece.
- 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. American Association of 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. American Association of 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. American Association of Geographers, Annual Meeting, New York, New York, February 23-26, 2012.
- Session Chair. Paper Session 1410 Hurricanes III: Storm surges, extreme winds, and tornadoes. American Association of Geographers, Annual Meeting, New York, New York, February 23-26, 2012.
- Session Chair. Paper Session 1510 Hurricanes IV: Paleotempestology/Geomorphic Impacts. American Association of Geographers, Annual Meeting, New York, New York, February 23-26, 2012.
- Session Chair. Paper Session 1610 Hurricanes V: Ecological and Societal Impacts. American Association of Geographers, Annual Meeting, New York, New York, February 23-26, 2012.
- Session Chair. Paper Session 2110 Hurricanes VI: Paleotempestology/Environmental monitoring. American Association of Geographers, Annual Meeting, New York, New York, February 23-26, 2012.
- Sessions co-organizer. Hurricanes I, II, III and IV. American Association of Geographers, Annual Meeting, Seattle, Washington, April 12-16, 2011.
- Session Chair. Paper Session 3233 Hurricanes II: Tropical Cyclones and Climate Change. American Association of 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. American Association of Geographers, Annual Meeting, Seattle, Washington, April 12-16, 2011.
- Sessions co-organizer. Hurricanes I, II, III, IV and V. American Association of Geographers, Annual Meeting, Washington DC, April 14-16, 2010.
- Session Chair. Paper Session 2265 Hurricanes II: Historical Records/Vulnerability. American Association of Geographers, Annual Meeting, Washington DC, April 14-16, 2010.
- Sessions co-organizer. Hurricanes I, II, III, IV, V and VI. American Association of Geographers, Annual Meeting, Las Vegas, March 26-27, 2009.
- Session Chair. Paper Session 6248 Hurricanes VI: Geomorphic Impacts and Paleotempestology. American Association of Geographers, Annual Meeting, Las Vegas, March 26-27, 2009.
- Sessions co-organizer. Hurricanes I, II, III, IV, V and VI. American Association of Geographers, Annual Meeting, Boston, April 17-18, 2008.
- Session Chair. Paper Session 3602 Hurricanes V: Paleotempestology and Climate Change. American Association of Geographers, Annual Meeting, Boston, April 17 2008.
- Sessions co-organizer. Hurricanes I, II, III, IV and V. American Association of Geographers, Annual Meeting, San Francisco, April 20, 2007.
- Session Chair. Paper Session 4207 Hurricanes II: Paleotempestology. American Association of Geographers, Annual Meeting, San Francisco, April 20 2007.
- Session Chair. Paper Session 4307 Hurricanes III: Geomorphic Impacts. American Association of 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. Co-Principal investigator, 2024. Collaborative Research: a multi-proxy approach to discrimination of marine and terrestrial sediments in coastal wetlands. **National Science Foundation**, \$496,671.
2. Co-Principal investigator, 2017. "RAPID: Collaborative Research: Tracking Hurricane Harvey's Storm Surge and Flood Sedimentation." **National Science Foundation**, \$70,568.
3. Principal investigator, 2017. "Echoes of Typhoons Past: Unearthing geological evidence of ancient typhoons on the coast of Vietnam." **National Geographic Society/Waitt Grants Program**: \$14,930.
4. 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.
5. Principal investigator. 2012. "Hurricane Isaac Storm Surge Sedimentation." **National Science Foundation**: Division of Ocean Sciences, Marine Geology & Geophysics Program: \$ 18,781.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. Principal investigator, 2000, "Fieldwork and radiocarbon dating of tsunami deposits at Discovery Bay, Washington." **United States Geological Survey**, (\$7,000).
12. Principal investigator, 1999, "Prehistoric Tsunami Deposits in Washington State Coastal Marshes." **National Geographic Society** (\$15,000).

13. 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).
14. Principal investigator, 1995, "Shoreline Erosion at Shamrock Island Preserve, Texas." **Nature Conservancy of Texas** (\$1,800).
15. 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).
16. 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).
17. Principal investigator, 1993, "In search of ancient earthquakes: investigating paleoseismicity in British Columbia." **National Geographic Society** (\$6,956).
18. 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).
19. Principal investigator, 1992, "Marsh Foraminifera distributions, Mad Island Preserve, Texas." **Nature Conservancy of Texas** (\$800).
20. Principal investigator, 1992, "Rates of marsh erosion and sedimentation on Mad Island Preserve, Texas." **Nature Conservancy of Texas** (\$800).
21. Principal investigator, 1985, "Depositional Structure and Holocene Evolution of the Fraser River Delta, B.C." **Geological Society of America** (\$600).
22. 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, 2018, "Long-term variability of typhoon activity in the South China Sea: an assessment of future typhoon hazard potential for China's proposed 21st Century Maritime Silk Road." **UNT Office of Research & Innovation**, \$3000.
2. Principle investigator, 2018, "Long-term variability of typhoon activity in the South China Sea: an assessment of future typhoon hazard potential for China's proposed 21st Century Maritime Silk Road." **UNT College of Liberal Arts and Social Sciences**, \$1720.
3. Principle investigator, 2018, "Long-term variability of typhoon activity in the South China Sea: an assessment of future typhoon hazard potential for China's proposed 21st Century Maritime Silk Road." **Department of Geography and the Environment**, \$1000.
4. 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).
5. Principal investigator, 2011, “Developing International Research Collaborations: Tsunami Research in Thailand”. **Charn Uswachoke International Development Fund** (\$2,500).
  6. Co-principal investigator, 1997, "Developing statistical methods as aids to paleoecological interpretation." **University of North Texas**, Faculty Research Opportunities Program (\$3,500).
  7. 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).
  8. 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).
  9. 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).
  10. 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).
  11. Principal investigator, 1991, "Determination of marsh sedimentation rates using cesium-137 radioactive fallout." **University of North Texas**, Small Grant Program (\$900).
  12. 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).
  13. 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. 2024. Testing Digital Elevation Model of Difference (DoD) Estimation of Washover Fan Thickness, Matagorda Peninsula, Texas. **Journal of Coastal Research**.
2. Williams, H.F.L., C.E. Beaubouef, K-b Liu, N. Culligan, L. Riedlinger 2022. Testing XRF identification of marine washover sediment beds in a Coastal Lake in Southeastern Texas, USA. **Marine Geology**, 443 January 2022, 106705 (g).
3. Williams, H.F.L. and Rains, B 2021. Effect of Barrier Height on Magnitude and Character of Hurricane Harvey Washover Fans, Matagorda Peninsula, Texas, USA. **Journal of Coastal Research**, 38 (1): 133–139 (g).
4. Williams, H.F.L. and Liu, K-b. 2021. Testing XRF Discrimination of Marine and Terrestrial Flood Deposits in Southeastern Texas Coastal Marshes. **Journal of Coastal Research**, Vol. 37, No. 6 (November 2021), pp. 1081-1087 (g).
5. Yao, Q., Liu, K-b., Williams, H.F., Joshi, S., Bianchette, T.A., Ryu, J., Dietz, M. 2020. Hurricane Harvey Storm Sedimentation in the San Bernard National Wildlife Refuge, Texas: Fluvial versus Storm Surge Deposition. *Estuaries and Coasts*, 43(5), 971-983 (g)
6. Elliott, P. and Williams, H.F.L. 2019. Evaluating Sea-Level Rise Hazards on Coastal Archaeological Sites, Trinity Bay, Texas. **Journal of Island and Coastal Archaeology**, 16:2-4, 591-609, published online 17 Dec. 2019.
7. Williams, H. and Liu, K-b. 2019. Contrasting Hurricane Ike washover sedimentation and Hurricane Harvey flood sedimentation in a Southeastern Texas coastal marsh. **Marine Geology**, 417. 1016/j.margeo.2019.106011 (g)
8. Williams, H., Long V.H., Elliott, P., Nguyen, H.H. and Manh, H. 2019. A Tentative Record of Mid-Holocene Sea-Level Highstand and Barrier Overwash from the Cam River Mouth, Vietnam. **Journal of Coastal Research**, 35: 852 – 860. (g)
9. Williams, H.F.L. 2017. Assessing the effectiveness of coastal foredune barriers in reducing hurricane washover sedimentation. **Journal of Coastal Research**: volume 34, Issue 3: pp. 503 – 509.
10. Yang, D.Y., Han, M., Kima, J.C., Cho, Y., Kim, J., Yi, S., Katsuki, K. and Williams, H.F.L. 2017. Shell and gravel layers caused by storm-induced rip currents during the Medieval Warm Period and Little Ice Age in South Korea. **Palaeogeography, Palaeoclimatology, Palaeoecology** 487, 204-215.
11. Hodge, J. and Williams, H.F.L. 2016. Deriving spatial and temporal patterns of coastal marsh aggradation from hurricane storm surge marker beds, **Geomorphology**, 274: 50–63. (g)
12. Williams, H., Choowong, M., Phantuwongraj, S., Surakietchai, P., Thongkhao, T., Kongsen, S., & Simon, E. 2016. Geologic records of Holocene typhoon strikes on the Gulf of Thailand coast. **Marine Geology**, 372, 66-78. (g)
13. 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)
14. 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)
  15. 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)
  16. 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)
  17. 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)
  18. 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)
  19. 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)
  20. 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)
  21. 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)
  22. 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
  23. 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.
  24. 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)
  25. 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.
  26. 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)
  27. Williams, H.F.L. 2003. Urbanization Pressure Increases Potential for Soils-Related Hazards, Denton County, Texas. **Environmental Geology**, 44: 933-938.
  28. 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)
  29. 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)



30. 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)
31. Williams, H.F.L. 1999. Sand spit erosion following interruption of longshore sediment transport: Shamrock Island, Texas. **Environmental Geology**, 37: 153-161. (g)
32. 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)
33. Williams, H.F.L. 1995. Assessing the impact of weir construction on recent sedimentation using cesium-137. **Environmental Geology**, 26:166-171. (g)
34. 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)
35. 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)
36. Williams, H.F.L. 1995. Foraminiferal record of recent environmental change: Mad Island Lake, Texas. **Journal of Foraminiferal Research**, 25, pp. 167-176. (g)
37. 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)
38. Williams, H.F.L. 1993. Shoreline erosion at Mad Island Marsh Preserve, Matagorda County, Texas. **Texas Journal of Science**, 45, pp. 299-309. (g)
39. 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)
40. 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)
41. Williams, H.F.L. 1991. Character and growth of deltaic deposits in Lewisville Lake, Texas. **Texas Journal of Science**, 43, pp. 377-389. (g)
42. 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)
43. 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)
44. Williams, H.F.L., 1989. Foraminiferal zonation on the Fraser River Delta and their application to paleoenvironmental interpretations. **Palaeogeography, Palaeoecology and Palaeoclimatology**, 73, pp. 39-50. (g)
45. 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)
46. 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)

47. 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)
48. 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. 2024. Southwest Division of the American Association of Geographers, Annual Meeting, San Marcos, Texas, October 4-9. Impact of Urbanization on Rainfall-Runoff Relationships in the Dallas-Fort Worth-Arlington Metropolitan Area, 1990-2020.
2. Williams, H.F.L. 2024. Testing Digital Elevation Model of Difference (DoD) Estimation of Washover Fan Thickness, Matagorda Peninsula, Texas. American Association of Geographers, Annual Meeting, Honolulu, HI, April 19, 2024. (g)
3. Williams, H.F.L. 2023. Estimation of Hurricane Harvey washover fan thicknesses on Matagorda Peninsula, Texas, using pre- and post-lidar DEMs. UNT Department of Geography and the Environment, GIS Day, November 12, 2023.
4. Williams, H.F.L. 2023. Estimation of Hurricane Harvey washover fan thicknesses on Matagorda Peninsula, Texas, using pre- and post-lidar DEMs. Southwest Division of the American Association of Geographers, Annual Meeting, Laredo, Texas, November 1-3, 2023. (g)
5. Williams, H.F.L. and K-b Liu. Testing XRF Discrimination of Marine and Terrestrial Flood Deposits in Southeastern Texas Coastal Marshes. American Association of Geographers, Annual Meeting, Denver, CO, March 23-28, 2023. (g)
6. Williams, H.F.L. and K-b Liu. Testing XRF Discrimination of Marine and Terrestrial Flood Deposits in Southeastern Texas Coastal Marshes. Southwest Division of the American Association of Geographers, Annual Meeting, Fayetteville, Arkansas, October 27-29, 2022. (g)
7. Williams H.F.L. 2019. Contrasting Hurricane Ike washover sedimentation and Hurricane Harvey flood sedimentation in Southeastern Texas. Invited lecture, Louisiana State University, Department of Oceanography and Coastal Sciences. (g)
8. Williams, H.F.L., Liu, K-b. 2019. Coastal marsh sedimentation in Southeastern Texas from Hurricane Harvey floods. Southwest Division of the American Association of Geographers, Annual Meeting, Fort Worth, Texas, October 10-12, 2019. (g)
9. Liu, K-b., Yao, Q., Williams, H.F.L., Ryu, J. 2019. Uncovering Hurricane Harvey's storm deposition in the Aransas National Wildlife Refuge, Texas. American Association of Geographers, Annual Meeting, Washington, DC, April 3-7, 2019. (g)
10. Rains, B., Williams, H.F.L. 2019. An assessment of Hurricane Harvey overwash sedimentation on the Matagorda Peninsula, Texas. American Association of

- Geographers, Annual Meeting, Washington, DC, April 3-7, 2019. (g)
11. Williams, H.F.L., Liu, K-b. 2019. Hurricane Harvey Flood Sedimentation in Southeastern Texas Coastal Marshes. American Association of Geographers, Annual Meeting, Washington, DC, April 3-7, 2019. (g)
  12. Aragón-Moreno, A.A., Liu, K-b., Ryu, J., Yao, Q., Williams, H.F.L. 2019. Sedimentary Record of Hurricane Harvey and Other Storm Events Recovered from an Estuarine Lake in the Trinity River Mouth, Southeastern Texas [poster]. American Association of Geographers, Annual Meeting, Washington, DC, April 3-7, 2019. (g)
  13. Williams, H.F.L. 2018. Geologic Evidence of Holocene Tropical Cyclone Variability in the Gulf of Thailand: A Link Between Climate Change and Extreme Storms? Invited talk. Chinese Agricultural University, Beijing, China, August 7, 2018. (g)
  14. Williams, H.F.L., Hoang, L., Nguyen H., Manh, H., Elliott, P. 2018. Did higher sea-level result in tropical cyclone overwash of high dunes on the coast of Vietnam in the mid-Holocene? Tentative results from the Cam River mouth, Vietnam. American Association of Geographers, Annual Meeting, New Orleans, LA, April 10 - 14, 2018. (g)
  15. Elliott, P., Williams, H.F.L. 2018. Evaluating sea-level-rise hazards on coastal archaeological sites in the Trinity Bay Estuary, Texas. American Association of Geographers, Annual Meeting, New Orleans, LA, April 10 - 14, 2018.
  16. Liu, K-b, Williams, H.F.L., Yao, Q., Bianchette, T., Dietz, M., Ryu, J. 2018. Tracking Hurricane Harvey's Storm Surge and Flood Sedimentation: Saltwater versus Freshwater Signatures. American Association of Geographers, Annual Meeting, New Orleans, LA, April 10 - 14, 2018. (g)
  17. Williams, H.F.L. 2017. Assessing the Effectiveness of Coastal Fore-dune Barriers in Reducing Hurricane Overwash. American Association of Geographers, Annual Meeting, Boston, MA, April 5-8, 2017.
  18. Williams, H.F.L. 2016. KIGAM Presentation 1: Modern hurricane storm surge deposits in the U.S.; contrasts between muddy and sandy coasts; offshore sources and onshore sources. Invited lecture, **Korean Institute of Geosciences and Mineral Resources**, Daejeon, South Korea, May 16, 2016.
  19. Williams, H.F.L. 2016. KIGAM Presentation 2: Paleotempestology studies in Texas and Louisiana; a case study of a 600-year-old hurricane record in a Louisiana beach ridge plain and a 60-year-old hurricane record in a coastal marsh in Texas. Invited lecture, **Korean Institute of Geosciences and Mineral Resources**, Daejeon, South Korea, May 16, 2016.
  20. Williams, H.F.L. 2016. KIGAM Presentation 3: Geologic Evidence of Holocene Tropical Cyclone Variability in the Gulf of Thailand: A Link Between Climate Change and Extreme Storms? Invited lecture, **Korean Institute of Geosciences and Mineral Resources**, Daejeon, South Korea, May 17, 2016.
  21. Williams, H.F.L., Choowong, M., Phantu Wongraj, S., Surakietchai, P., Thongkhao, T., Kongsan, S. and Simon, E. 2016. Geologic evidence of Holocene tropical cyclone variability in the Gulf of Thailand; a link between climate change and extreme storms? **American Association of Geographers**, Annual Meeting, San Francisco, CA, March 29-April 2, 2016. (g)
  22. Hodge, J. and Williams, H.F.L. 2016. Hurricane storm surge sedimentation on the McFaddin National Wildlife Refuge, Texas: Implications for coastal marsh aggradation. **American Association of Geographers**, Annual Meeting, San Francisco, CA, March 29-

April 2, 2016. (g)

23. Williams, H.F.L., Choowong, M., Phantuwongraj, S., Surakietchai, P., Thongkhao, T., Kongsen, S. and Simon, E. 2015. Geologic records of Holocene typhoon strikes in the Gulf of Thailand; a forewarning of tropical cyclone activity in a warmer world? **Southwest Division of the American Association of Geographers**, Annual Meeting, San Antonio, Texas, November 4-7, 2015. (g)
24. Hodge, J. and Williams, H.F.L. 2015. Assessing Post-Hurricane Rita & Ike sedimentation on the McFaddin National Wildlife Refuge, Texas: Implications for coastal marsh aggradation. **Southwest Division of the American Association of Geographers**, Annual Meeting, San Antonio, Texas, November 4-7, 2015.
25. Williams, H.F.L. 2015. Geologic Records of Holocene Typhoon Strikes on the Gulf of Thailand Coast. **5<sup>th</sup> International Summit on Climate Change and Hurricanes**. June 9-14, Chania, Crete, Greece. (g)
26. Williams, H.F.L. 2015. Geologic Records of Holocene Typhoon Strikes on the Gulf of Thailand Coast. **American Association of Geographers**, Annual Meeting, Chicago, IL, April 21-25, 2015. (g)
27. 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. **American Association of Geographers**, Annual Meeting, Chicago, IL, April 21-25, 2015.
28. 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 American Association of Geographers**, October 23-25, 2014.
29. Williams, H.F.L. 2014. Hurricane Irene Washover Sedimentation. **American Association of Geographers**, Annual Meeting, Tampa, FL, April 8-12, 2014. (g)
30. Williams, H.F.L. 2013. Contribution of Hurricane Ike storm surge sedimentation to long-term aggradation of Southeastern Texas coastal marshes. **12<sup>th</sup> International Coastal Symposium**, Plymouth, England. April 8-12, 2013. (g)
31. 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)
32. Williams, H.F.L. 2012. Regional Distribution and Magnitude of Hurricane Ike Storm Surge Sedimentation in Texas and Louisiana. **American Association of Geographers**, Annual Meeting, New York, New York, February 23-26, 2012. (g)
33. Denlinger, E. and Williams, H.F.L. 2012. Preservation of Hurricane Ike Storm Surge Deposits. **American Association of Geographers**, Annual Meeting, New York, New York, February 23-26, 2012. (g)
34. Williams, H.F.L. 2011. Stratigraphic record of hurricanes Audrey, Rita and Ike in the Chenier Plain of Southwest Louisiana. **11<sup>th</sup> International Coastal Symposium**, Szczecin, Poland, May 9-14 2011. (g)
35. Williams, H.F.L. 2011. Geologic Record of Late-Holocene Hurricane Landfalls in the Chenier Plain of Louisiana. **American Association of Geographers**, Annual Meeting, Seattle, Washington, April 12-16, 2011. (g)
36. 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. **American Association of Geographers**, Annual Meeting, Seattle, Washington, April 12-16, 2011. (g)
37. 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)
38. Williams, H.F.L. 2010. Geologic Record of Hurricane Landfalls in the Chenier Plain of Southwest Louisiana. **American Association of Geographers**, Annual Meeting, Washington DC, April 14-16, 2010. (g)
39. Williams, H.F.L. 2010. Shell-bed tempestites in the Chenier Plain of Louisiana: Late-Holocene example and modern analogue. **American Association of Geographers**, Annual Meeting, Washington DC, April 14-16, 2010. (g)
40. 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)
41. 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. **10<sup>th</sup> International Coastal Symposium**, Lisbon, Portugal, April 15, 2009. (g)
42. 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. **American Association of Geographers**, Annual Meeting, Las Vegas, Nevada, March 27, 2009. (g)
43. 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. **American Association of Geographers**, Annual Meeting, Boston, Massachusetts, April 17, 2008. (g)
44. Williams, H.F.L. and Flanagan, W. 2007. Stratigraphy, Sedimentology and Microfossil content of Hurricane Rita storm surge deposits in southwest Louisiana. **American Association of Geographers**, Annual Meeting, San Francisco, California, April 20, 2007. (g)
45. 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)
46. 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.
47. 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)
48. 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.
49. 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.

50. Williams, H.F.L. 2003. Urbanization Pressure Increases Potential for Soils-Related Hazards, Denton County, Texas. **Southwestern Division of the American Association of Geographers**, Annual Fall Meeting, Stillwater, Oklahoma, October 23-25, 2003.
51. 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)
52. 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.
53. 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.
54. 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.
55. 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)
56. 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)
57. 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 American Association of Geographers**, Annual Fall Meeting, San Marcos, Texas, October 20-23, 1999. (g)
58. 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)
59. 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)
60. 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)
61. Bigelow, A.W., Williams, H.F.L. and Weathers, D.L. 1995. Determination of sedimentation rates from radioactive fallout 137Cs 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)
62. Williams, H.F.L. 1994. Foraminiferal record of recent environmental change: Mad Island Lake, Texas. **Southwestern Division of the American Association of Geographers**,

- Annual Fall Meeting, Hot Springs, Arkansas, October 20-22, 1994. (g)
63. Williams, H.F.L. and Hamilton, T.S. 1994. Tidal marsh dynamics derived from 137Cs fallout, Fraser Delta, Canada. **American Association of Geographers**, Annual Meeting, San Francisco, California, March 29 - April 2, 1994. (g)
  64. 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)
  65. Williams, H.F.L. 1993. Paleocological evidence of salinity changes in Mad Island Lake, Texas. **American Association of Geographers**, Annual Meeting, Atlanta, Georgia, April 6-10, 1993. (g)
  66. Williams, H.F.L. 1993. Shoreline erosion and coastal wetland degradation; Mad Island Marsh Preserve, Matagorda County, Texas. **Southwestern Division of the American Association of Geographers**, Annual Spring Meeting, New Orleans, Louisiana, March 17-20, 1993. (g)
  67. Williams, H.F.L. 1992. Monitoring shoreline erosion at Mad Island Preserve, Texas. **Applied Geography Conference**, October 21-24, 1992, Denton, Texas. (g)
  68. Williams, H.F.L. and Hamilton, T.S. 1992. Determining marsh sedimentation by 137Cs fallout, Fraser Delta, British Columbia. **American Association of Geographers**, Annual Meeting, San Diego, California, April 18-21, 1992. (g)
  69. Williams, H.F.L. 1991. Microfossil evidence of late-Holocene sea-level change on the Texas Gulf Coast. **Southwestern Division of the American Association of Geographers**, Annual Fall Meeting, Nacogdoches, Texas, October 17-19, 1991. (g)
  70. Williams, H.F.L. and Hebda, R.J. 1991. Palynological record of Holocene sea-levels, Fraser Delta, British Columbia. **American Association of Geographers**, Annual Meeting, Miami, Florida, April 12-15, 1991. (g)
  71. Williams, H.F.L. 1991. Biostratigraphic indicators of sea-level change. **Southwestern Division of the American Association of Geographers**, Annual Spring Meeting, San Antonio, Texas, March 27-29, 1991. (g)
  72. Williams, H.F.L. 1990: Character and growth of deltaic deposits in Lewisville Lake, Texas. **Southwestern Division of the American Association of Geographers**, Annual Fall Meeting, Austin, Texas, October 4-6, 1990. (g)
  73. 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)
  74. Williams, H.F.L. 1990: Holocene sea-level change and delta growth: Fraser Delta, British Columbia. **American Association of Geographers, Southwest Division**, Annual Spring Meeting, March 28-30, 1990, Fort Worth, Texas. (g)
  75. 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



- 2022. UNT Employer Summit attendee.
- 2022. UNT Week of Welcome tent staff.
- 2016 -2017 UNT Faculty Cross-Disciplinary Mentoring Program, Mentor.
- 2010-2011. Member, Graduate Student Travel Grant Review Committee.
- 2009-2010. Chair, Graduate Student Travel Grant Review Committee.
- 2009-2010. Member, Ad Hoc Committee on Open Access Archiving.

**COLLEGE COMMITTEES AND COUNCILS**

- 2024-cont. Member, Undergraduate Curriculum Committee, College of Liberal Arts and Social Sciences, University of North Texas.
- 2021 – 2023. Member, Graduate Curriculum Committee, College of Liberal Arts and Social Sciences, University of North Texas.
- 2022. Panelist, Faculty Development Leave workshop.
- 2015-2015. Member, Ad Hoc Promotion and Tenure Committee, Communication Studies, University of North Texas.
- 2003-2004. Member, Ad Hoc Appeal 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.
- 1996-1997 Member, College Departmental Assessment Committee, College of Arts and Sciences, University of North Texas.
- 1994-1997 Member, Undergraduate Curriculum Committee, College of Arts and Sciences, University of North Texas.

**DEPARTMENT COMMITTEES AND COUNCILS**

- 2022 - 2023. Associate Chair,
- 2022. Member, Front Office Staff Search Committee
- 2022 - 2023. Member, GIS Lecturer Search Committee
- 2022 - cont. Member, PAC Committee
- 2022 - 2023. Member, Advancement Committee
- 2022 - cont. Member, Advisory Committee
- 2022 - cont. Member, Undergraduate Curriculum Committee
- 2022 - cont. Chair, Promotion and Tenure Committee
- 2022 - 2023. Member, GIS Lecturer Search Committee
- 2021 - cont. Cross Currents Seminar Series organizer
- 2016 -2021 Coordinator, Geography and the Environment Professional Master’s Program
- 2016 -2019 Member, Geography Graduate Committee.
- 2013-2022. Member, Promotion and Tenure Committee.
- 2013-2017. Member, Curriculum Committee.
- 2009-2010. Member, Search Committee (Latin America position).
- 2007-2012. Member, Graduate Admissions Committee.
- 2007-2008. Chair, Search Committee (Hydrology position).
- 2007-2012. Chair, PAC Points Committee.
- 2002-2003. Chair, Department Teaching Assistant Committee.
- 2002-2003. Chair, Earth Science Coordination Committee.
- 2001-2004. Chair, Committee on GIS Certification Program.
- 2000-2016. Earth Science Lab Coordinator.

1995-2012. Chair, Personnel Affairs Committee.  
1995-2012. Chair, Promotion and Tenure Committee.  
1991-2010. Chair, Curriculum Committee.  
1990-2004. Library materials acquisition representative.