

# Site-specific tree ring collection

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# Collecting cores

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- July 21, 2004
- Two trees per site
- White oak (mostly...)
  - HR: white oak and chestnut oak
  - PR: white oak and chestnut oak
  - TVA: only white oak
  - WB: only white oak

# Preparing rings

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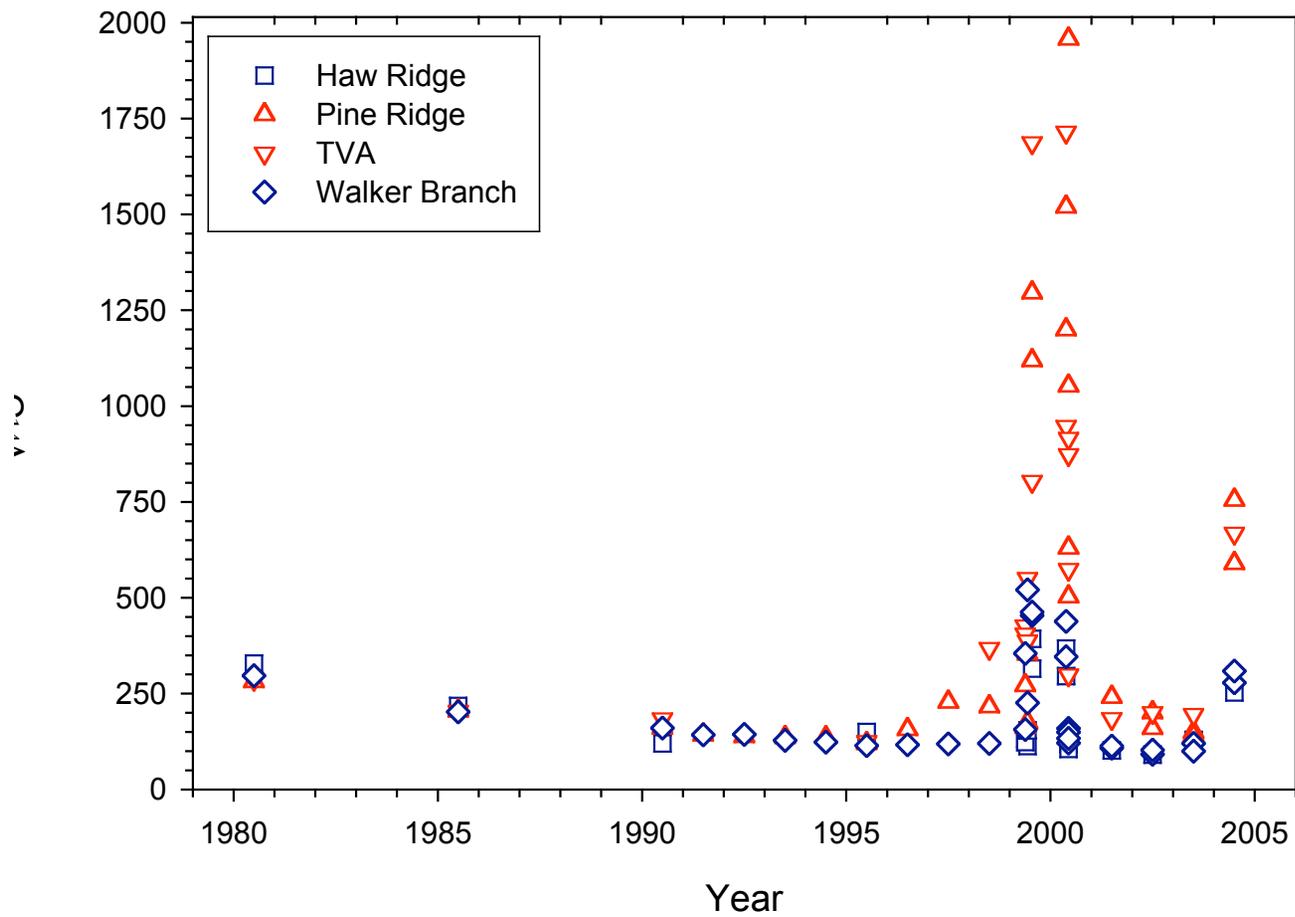


- 2004 to 1990, 1985, 1980 removed by year
  - 2003 to 1999 separated into thirds
  - Good, moderate, spike-only characterization each end ORR
- Soxhlet extraction of rings to holocellulose (JG)
  - Boiling in toluene and ethyl alcohol
  - Bleaching at 70C in sonic bath with glacial acetic acid and sodium chlorite
- Graphitization
  - Cut rings into smaller pieces
  - Add CuO and Ag, then combust and reduce

# Results



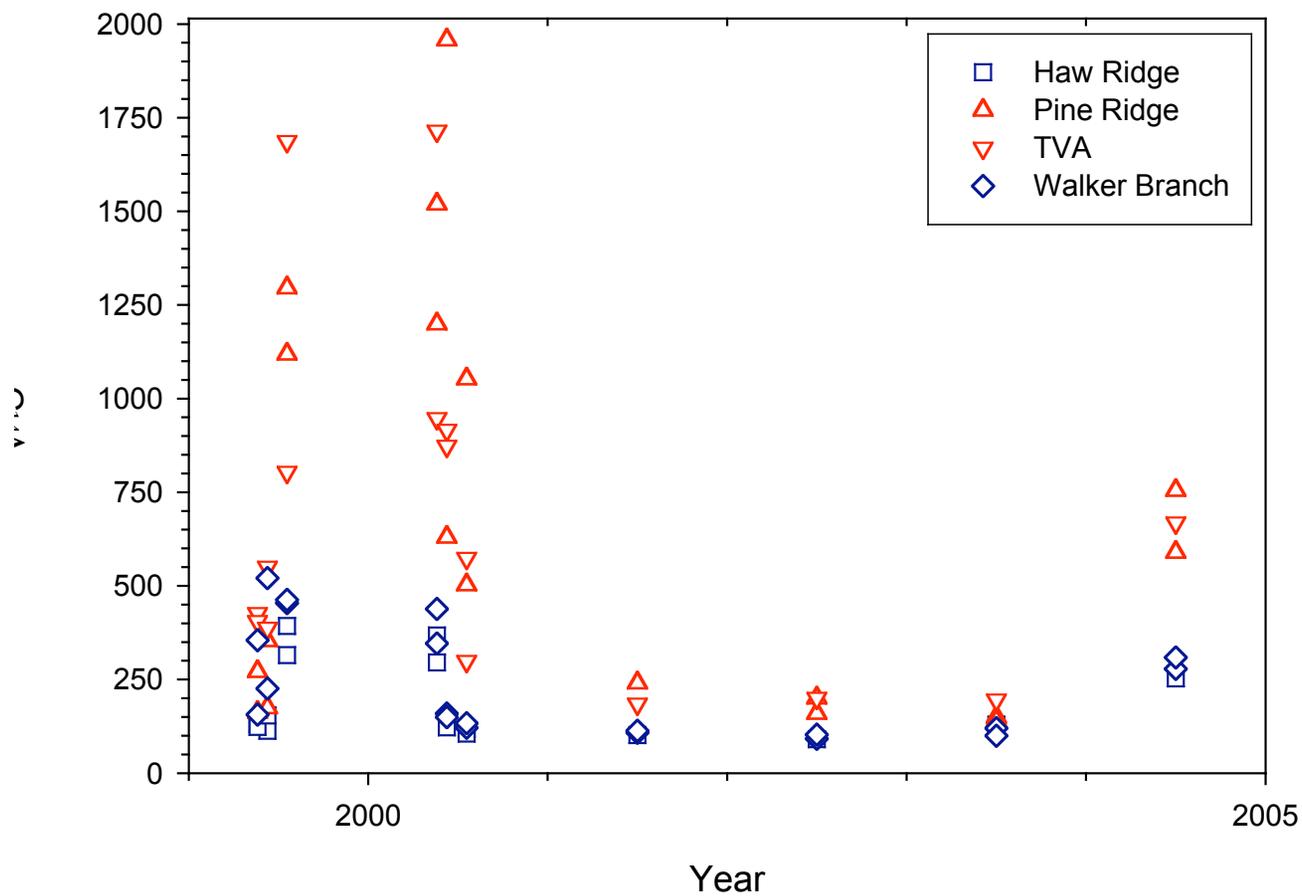
## EBIS Tree Rings



# Results



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