Title “The Vegetation History of Michigan: The last 14,000 years”

1. Introduction
    a. General statement of Michigan’s complex paleoecological history
        i. Importance of understanding the past in relation to the present
    b. Paleoecological proxies
        i. Pollen and plant macrofossil deposition and preservation
    c. Methodologies
        i. Site selection (lakes and bogs)
        ii. Sediment collection (coring)
        iii. Chronological control (radiocarbon dating)
        iv. Laboratory methods
        Figure 1: Fossil pollen analysis overview
        v. General analysis and interpretation
2. Vegetation History
    a. Overview of discussion
        i. Reference to modern communities
        ii. Time frame of discussion
        Figure 2: isopolls (11,000 ^{14}C yr BP, 10,000 ^{14}C yr BP, etc.) for important taxa (8)
3. Plant Colonization: 14,000 to 12,000/11,000 ^{14}C yr BP: Tundra phase
4. Spruce Parkland: 11,000 to 10,000 ^{14}C yr BP

Pull out box 1: Vegetation associated with a mastodon site in central Lower Michigan. Pollen diagram and drawing of spruce parkland and mastodon

5. Early Holocene Diversification: 10,000 to 8,000 ^{14}C yr BP
6. Middle Holocene Shifts: 6,000 to 3,000 ^{14}C yr BP
7. Late Holocene Dynamics 3,000 ^{14}C yr BP to present

Pull out box 2: Ecotone dynamics in southern Lower Michigan last 2,000 years

8. Conclusions