

**PRESERVATIVE TREATMENTS FOR TIMBER PILING**  
**Three-Year Inspection--Fourth Progress Report**

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Office of Testing and Research  
Research Projects 61 NM-38 and 61 NM-47  
Research Report No. R-547

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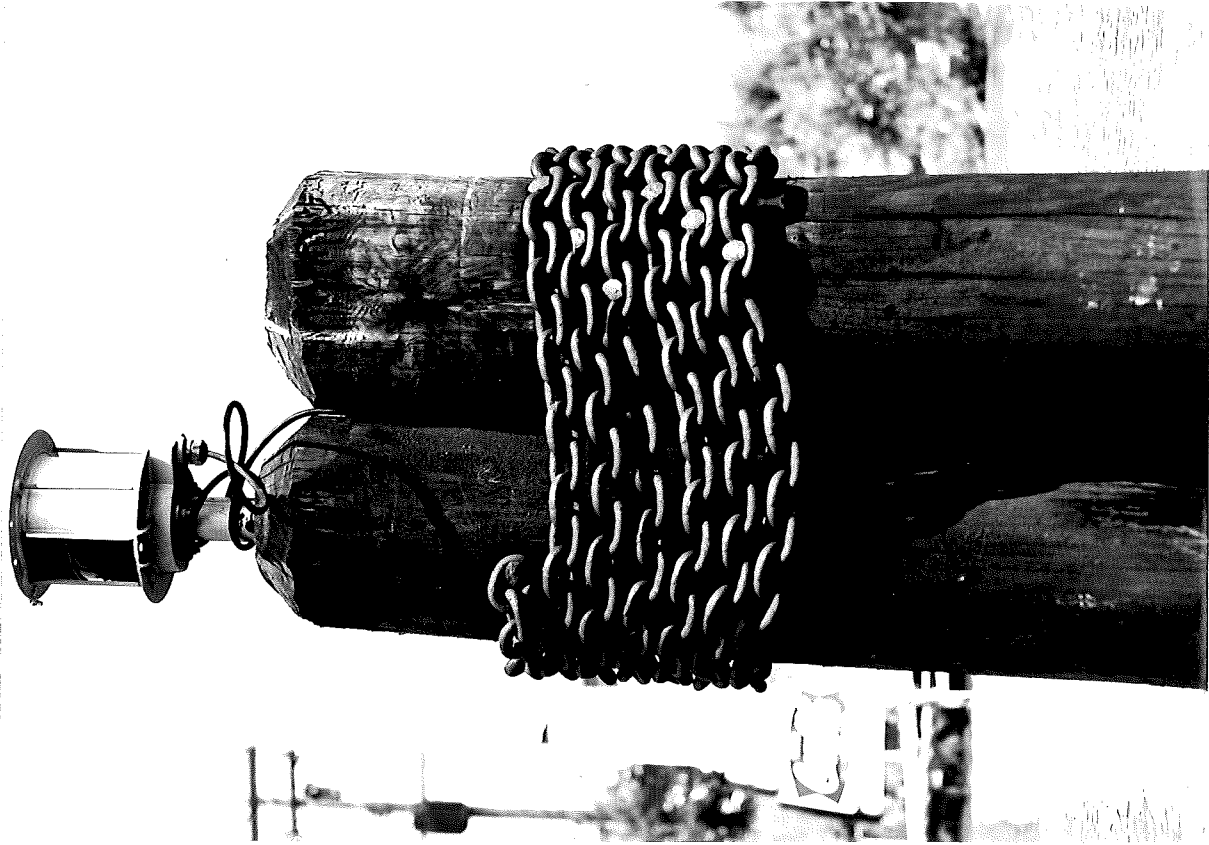
Michigan State Highway Department  
Lansing, September 1965

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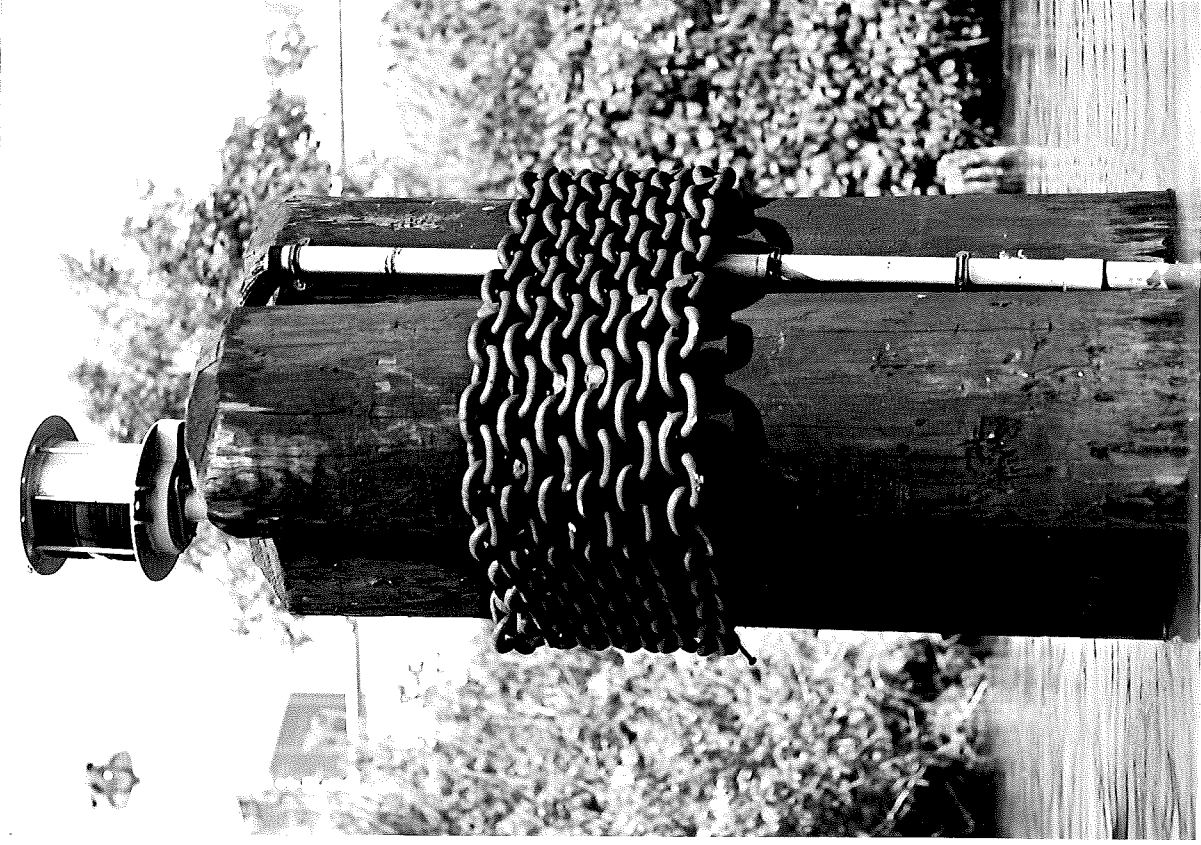
The fourth annual inspection of the experimental pile clusters in the Pine River in St. Clair was made on August 12, 1965, by B. W. Pocock and W. W. Miller. The installation was three years old at the time of this inspection.

As shown in the accompanying photographs, all piles were in excellent condition except for two or three very small areas of localized abrasion from contact by surface craft. No differences in the effectiveness of the various wood preservative treatments could be found after three years. Since the water level was almost a foot higher than in August 1964, slight differences in surface texture observed at that time could not be found this year. All wood above the waterline was hard and seemingly unaffected by weathering.

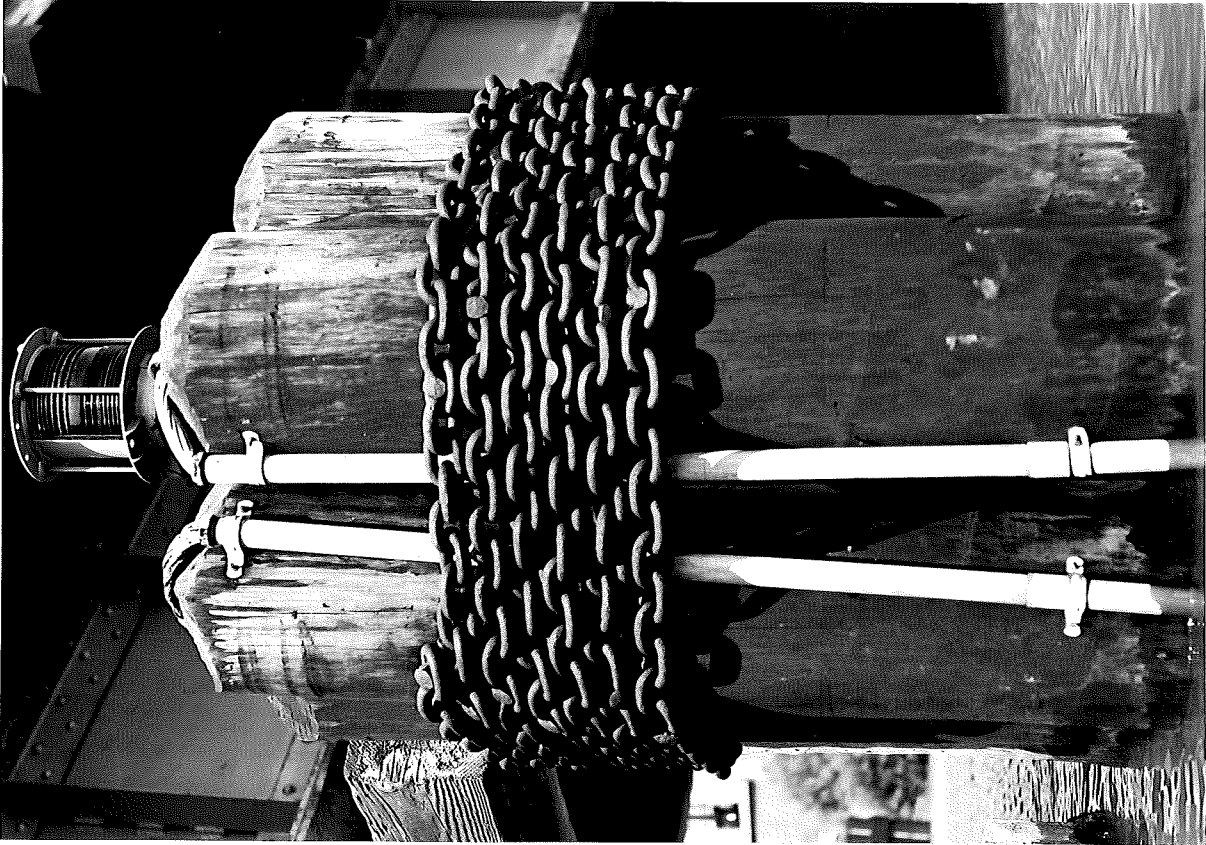
In view of the excellent state of preservation of these piles to date the question arises as to the necessity for yearly inspections and whether an inspection every two years may suffice. A marked drop in water level, however, would call for a special inspection.



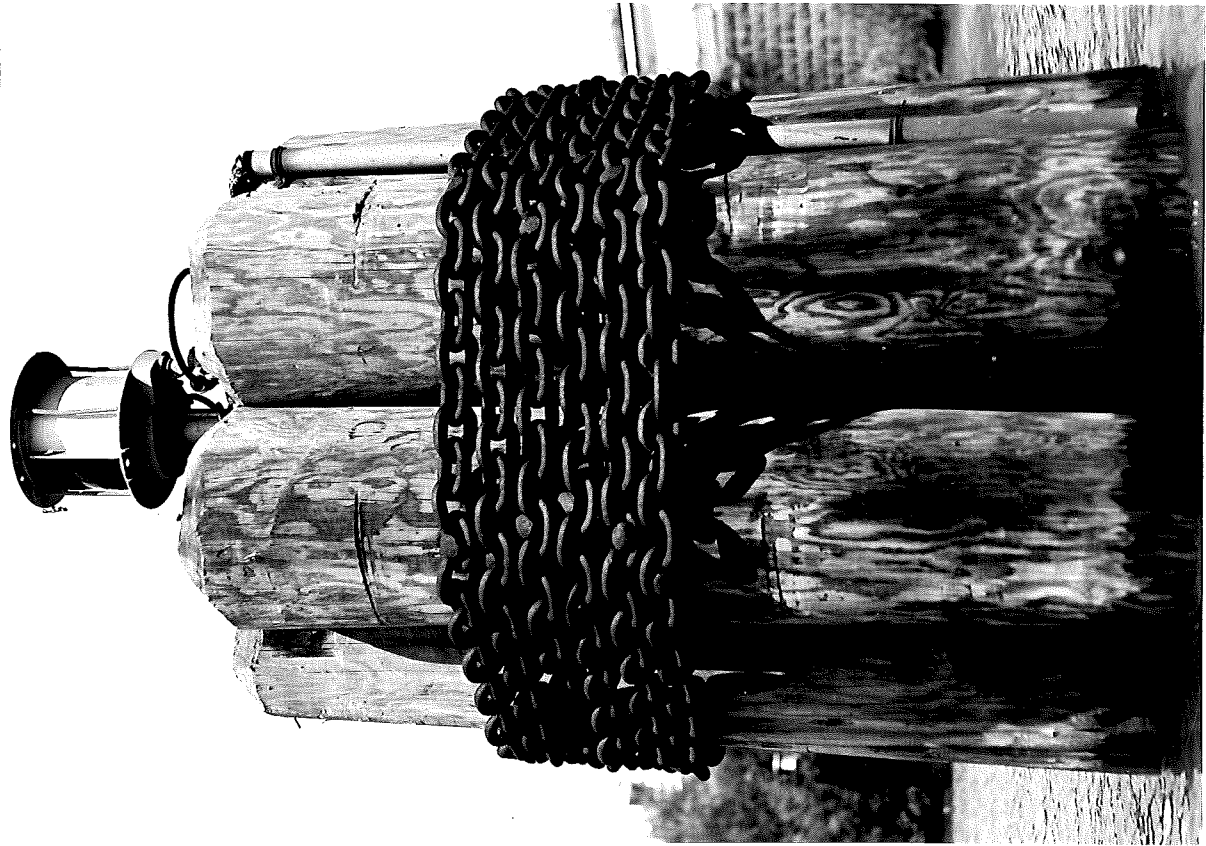
Pile Cluster 1: Creosote



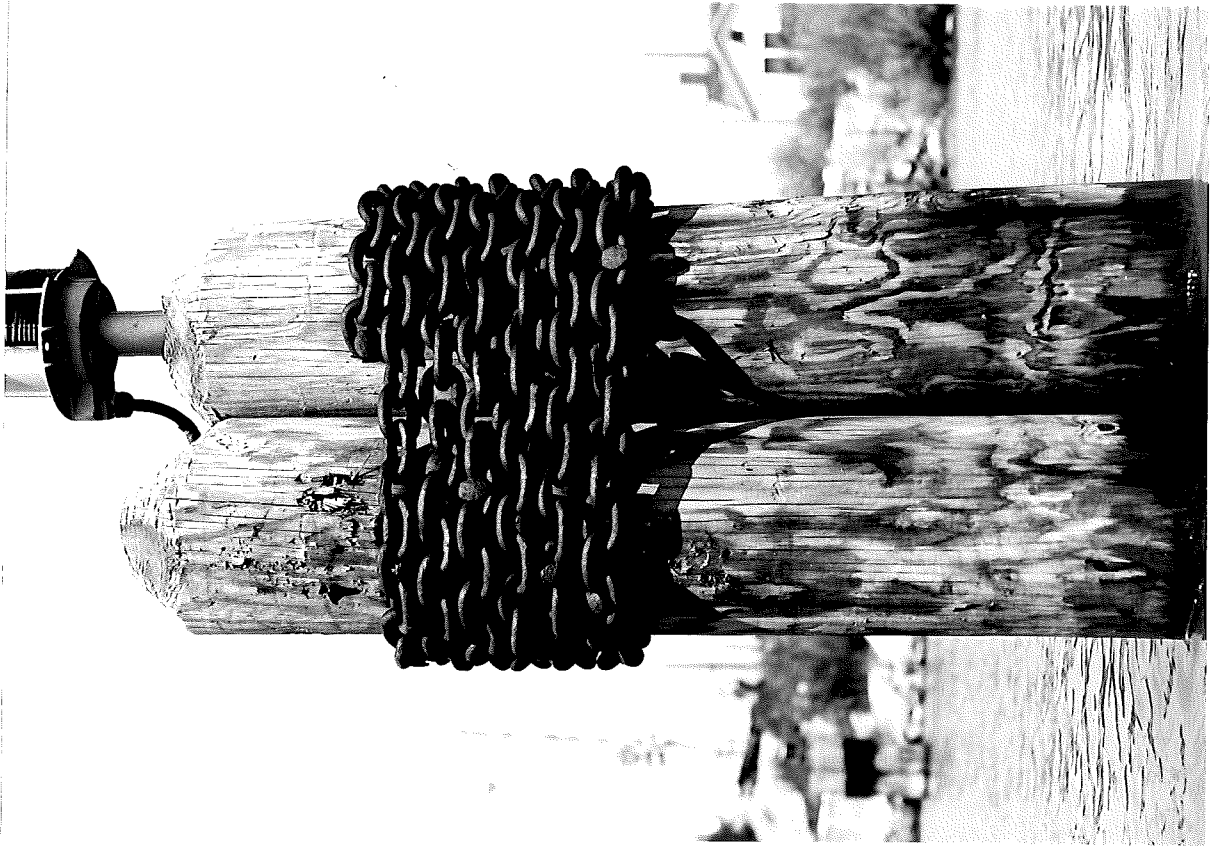
Pile Cluster 2: Creosote



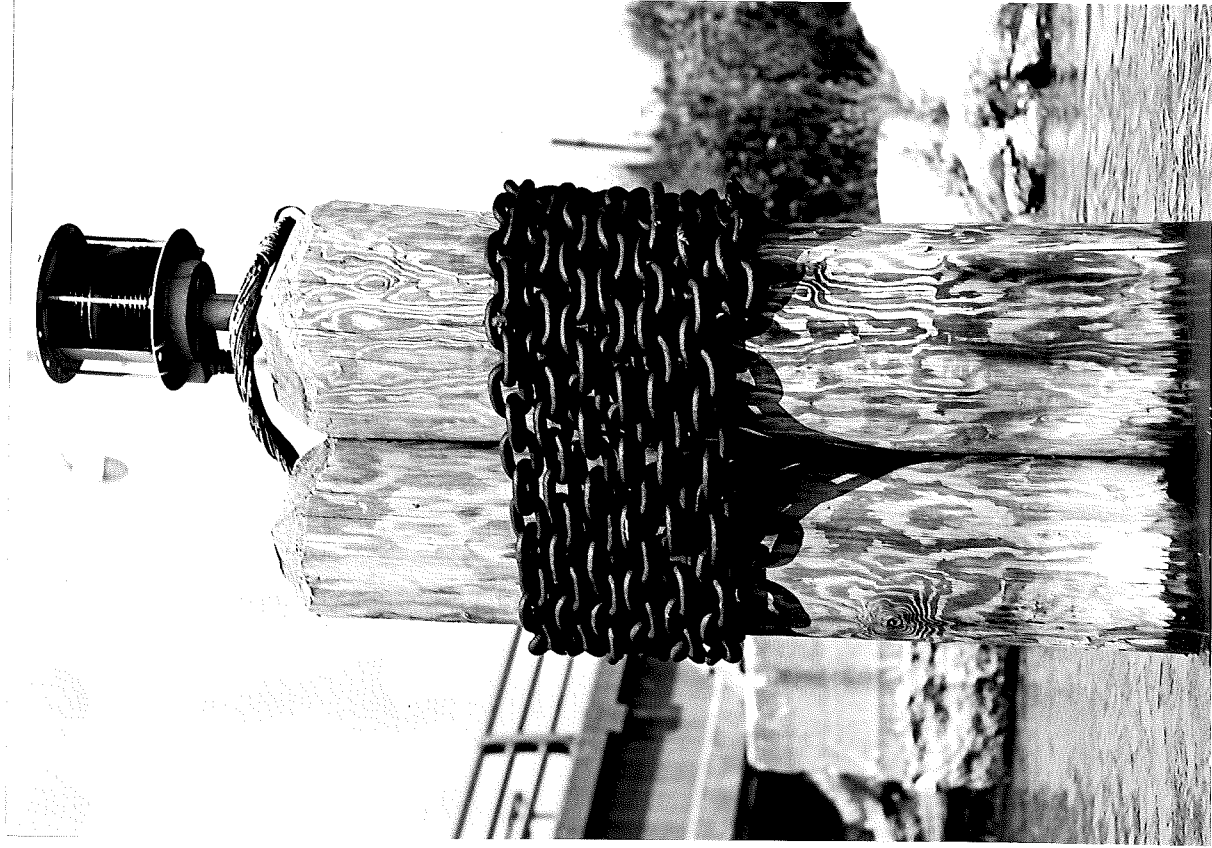
Pile Cluster 4: Pentachlorophenol



Pile Cluster 3: Osmosalts



Pile Cluster 5: Boliden Salts



Pile Cluster 6: Boliden Salts