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Draft Recovery Plan  
for the

Kirtland's Warbler

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Prime objective: To restore the Kirtland's warbler to non-endangered status in its native habitat.

1. To provide adequate breeding habitat to support a non-endangered population of Kirtland's warblers.

11. Determine parameters of non-endangered population.

111. Estimate numbers of individuals in a non-endangered population.

112. Determine desirable distribution of a restored population.

1121. Determine historical range of the Kirtland's warbler.

1122. Identify that part of the historical range suitable for restoration of warbler habitat.

113. Determine number of separate breeding populations that would constitute a non-endangered population.

114. Determine where separate breeding populations should be located.

12. Determine number of acres of jack pine habitat needed at each site.

121. Determine amount of breeding habitat required to maintain each population prescribed in 11.

1211. Select three habitat sites with breeding populations of warblers--each site of different age jack pine.

1212. Determine amount of habitat--a factor of acreage and density of trees.

1213. Determine number of breeding pairs present at height of breeding season.

1214. Determine production per breeding pair with cowbird parasitism of x percent.

122. Determine likely growth rate of jack pines at each site.
123. Determine succession of jack pines required acreage of breeding habitat each year.
13. Dedicate identified sites and acreages to Kirtland's warbler management and indicate primary or secondary management level.
  131. Adopt management agreement for those sites already in public ownership and designate for primary management.
  132. Acquire sites not now in public ownership.
    1321. Complete land acquisition for primary management.
    1322. Acquire lands for secondary management.
14. Management primary habitat sites for annual production of y birds.
  141. For each site, determine number of separate plantings of jack pine required to have necessary acreage of optimum breeding habitat available each year.
  142. Identify suitable age jack pine stands already available on site.
  143. Clear required acreage for first jack pine habitat stand.
    1431. Remove marketable timber.
    1432. Clear adequate fire lane.
    1433. Burn remainder.
      14331. Station and man fire suppression equipment.
      - 14332.
144. Plant jack pine seedlings.
  1441. Produce jack pine seedlings in nursery.

