

Notes to be filed
 Talk before Forum, Peoples Church
 East Lansing, March 3, 1935
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Problems in Wild Life Conservation

File Copy (Do not take)

- 1; Conservation of natural resources involves many special fields and should be closely coordinated with agricultural policies of the state.
- 2; Will not discuss the many problems of other divisions of Department
 - Geology
 - Forest fire and Law Enforcement
 - Fish
 - Forestry
 - Parks
 - Lands
 - Education
 - Land Economic Survey
- 3; Wish to illustrate few items in conservation and wise use of Birds and mammals
 - Animals with feathers or hair
- 4; Moose largest wild mammal native to Michigan at present
- 5; Few in U P
 - Scattered
 - Land seems suitable but never taken hold
- 6; Isle Royale herd was and perhaps still is largest concentration of moose now existing.
- 7; Estimated at 1000 - 5000 in 1929-30, but probably much less now.
- 8; Isle Royale imm
 - 45 miles long
 - 4-8 miles wide
 - In Lake Superior, nearly parallel to North shore
 - 13 miles from Canadian mainland
- 9; Rocky.
- 10; Ridges
- 11; Lakes and bays
- 12 Cover, fairly virgin although fired and used some when mining on island

- 13; Adams Survey in 1905
- 14; Legislature ..\$20,000 in ~~1929~~ 1929 , National park prospect
- 15; Aquatic vegetation scarce where Adams found it plentiful
- 16; Moose Suidig by Murie and Hickie
- 17; Concluded that island was over browsed
- 18; Evidence
 - Cedars, Balsams, water lilies, Poplars,
 - Hardwood , park like, lots of seedlings nothing less 1 inch in diameter
- 19; Suported by Stehenson, bartlett, Mc Murray surveys
- 20; Island residents,
- 21; Ben East... Silly
- 22; Oasler, National Park Commissioner th ought no over crowding
- 23; Hastings ... Scientists unduly alarmed
- 24; Isle Royale National Park action
 - State Legislature
 - Park Commisison by Brucker
 - Congress
 - Money not forthcoming
 - Commisioners resigned and not replaced
- 25; Status and responsibilty canfusing
- 26; Methods of ~~a~~/adjusting never tried on such a n area before
 - Killing by paid men
 - Expensive and no funds
 - Limited hunting
 - Op osed by national parks. Bad precedent
 - Possibly destry island beauty in somemisterious way
 - Special priviledge and unconstitutional by East
 - Live Trapping
 - Expensive
 - would not relate because of slow

Feeding impracticable and only pyramid

Let nature take its course

Wasteful

Cruel

No progress in handling future excesses

27; Because of objections nothing was done until Radio telling dying moose last winter.

28: Hickie and Coburn

No epidemic disease account for losses

Some parasitism: ticks, lung worms, pneumonia

Concluded, malnutrition, exposure

29; Interest grew in Live trapping, only thing would agree to

30; Hickie therethis winter

Feeding samll nucleu/s to come thru winter ingood conditions

Experimental live trapping

Feeding and censuse

Appraisal of carrying capacity of island

31 Now has 10 incaptivity taken with tow box traps

One escaped, ne dead, one released

33; Transfer to mainland for stocking, but of littel help to island herd

34; Hope canbe handled when ~~myntaxmonm~~ herd has gone down, vegeta tion recovered, moose come back.

35; Bickering and lack of faith in Scientific hasresulted inloss of thousand of moose without doing ~~mmmm~~ man any good.

36- Same kind of roblem with deer.

Means much to Uppe areas- 80,000 deer huntees- Spending pe haps

3-5 hundred thousand dollars each year.in north alone.

~~am~~ Beaver trout

37/ Cut trees andtakinto water

More hide for trout

Fertilizes so moretrout food

But removes shade

38/ Dams

Dround out shade

Empond water andwarms it

Enriches

More water

Better trout growth and catchesfirst few years, but decreasing

Toowarm

Biocemicaldemand and toxic elements

39/ Spawning migrations

Silditng gravel

40; Other nuisances

41 ; Outlet of lakes, cabin sites

42; Fur and tourist values

43; Managment but before details well worked out man goes to U S B S

44; Conroversy wages hot

445; Likely beavers will be taken down to near extermination and then pendulum swing the other way

46; Poaching, open seasons etc hard to handle

47; Beaver scandlas

Predator
Mammal Problem

Otter, protected

50,000 worlds catch

Scattered in Mich perhaps 1000

Demand for putting them on black list because they may eat a few trout
Examinations few but not so bad as painted.

Same of kingfishers, blue herons, bitterns , Merganser ducks, Golden eyes

Hawk and owl problem

Audabon attitude

Sportsmens attitude

What are the facts?

Are they harmful?

Do they need protection?

What are the administrative and economic angles involved?

How are we to adjust these differences?

How apply them when few know one hawk from another?

*Hunters + Fishermen demand Conservation Police all
only 10% hunt, 20% fish.*
Conclusions:

- 1; Wild life is one of the essentials in maintaining an effective Tourist and resort business which is very important in northern Mich. Whole/some
- 2; Out - Of - door recreation in its many phases seems to fulfill a real need of man , and to be an important social, physical and moral well being part of his
- 3; Managment of any species involves a series of ecological relationships which are very complex and as yet are little understood.

3- Trained and experienced personell which makes conservation its life work offers the only hope develipping and applying a sound technique in wild life manag~~ment~~ .

4; Freed m ~~manpower~~ from political overturns, adequate salary schedules, merit system of emplyment and promotion are necessary to induce and hold capable men in the field.

experienced and welltrained

5; At present the demand for ~~manpower~~ men far exceeds the supply. The U S Forest Service, National park service, C C C, and States are seeking men.

U.S.B. Survey

6; Agricultural colleges and agricultural leaders should play a very important part in the conservation program- / Training men for this field, Among other things they can help in organizing working out needed technique and management proceeedures, / Extension work, exerting

Leadership in c onservation research, and coordinat~~e~~ and orientat~~e~~

conservation projects with agriculture so that the best use of land is secured.

7. I hope, East Lansing and the College will take a leading part in the Conservation movement ~~in~~ the future, and I believe they will do so.