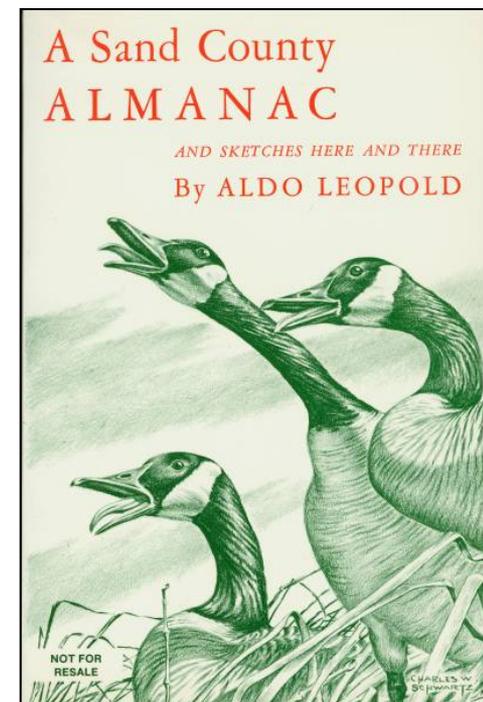


ALDO LEOPOLD'S LAND ETHIC, IZAAK WALTON LEAGUE, AND CLEAN WATER



“I do not imply that this philosophy of land was always clear to me. It is rather the end-result of a life-journey, in the course of which I have felt sorrow, anger, puzzlement, and confusion over the inability of conservation to halt the juggernaut of land abuse.”
(ASCA)



LEOPOLD'S "LIFE-JOURNEY"



- Natural history, hunting, fishing
- Forestry and watersheds
- Publicly owned wild lands in the Southwest
- Wildlife conservation
- Privately owned working lands in the Midwest
- Our relationship with "land"
- Finally, "the end-result"
 - **The Land Ethic**

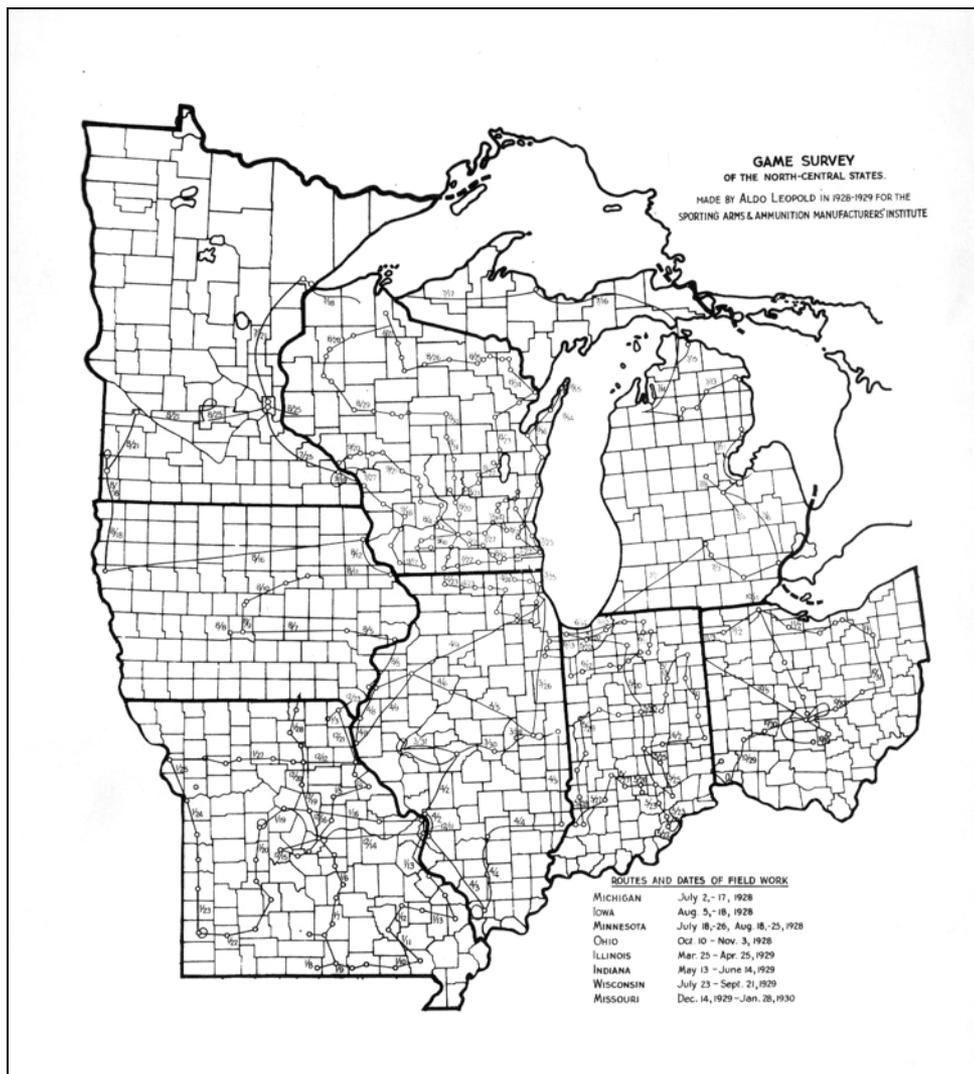
LEOPOLD RETURNED TO MIDWEST (1924)



Unlike the southwest hardly any public wild lands, but lots of badly abused private working lands.



1928-31 GAME SURVEY OF THE NORTH CENTRAL STATES



REPORT ON A

GAME SURVEY OF THE NORTH CENTRAL STATES

MADE BY
ALDO LEOPOLD

FOR THE
Sporting Arms and Ammunition Manufacturers' Institute
UNDER DIRECTION OF ITS
Committee on Restoration and Protection of Game

JOHN M. OLIN, <i>Chairman</i>	C. W. HYMER
ELLIOTT C. DILL, <i>Vice-Chairman</i>	T. H. KELLER
C. R. BABSON	W. D. HIGGINS
M. HARTLEY DODGE	L. W. T. WALLER, JR.

MADISON, WISCONSIN
1931

*Copies obtainable from American Game Association, Investment Bldg.,
15th & K Sts., NW, Washington, D. C. at \$1.00 each postpaid*

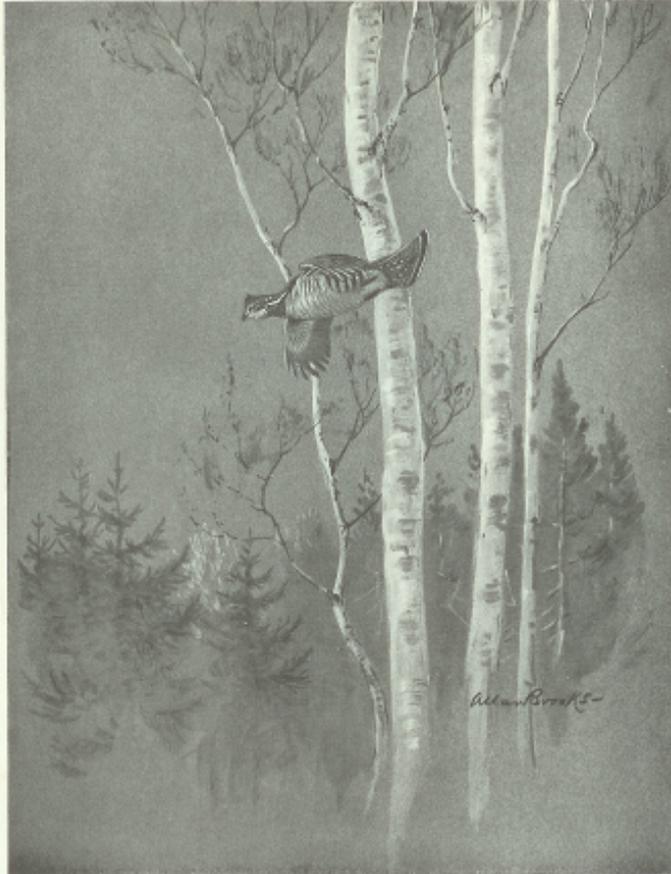
“THE CRUX OF THE PROBLEM”

“The crux of the problem is that every landowner is the custodian of two interests, not always identical, the public’s and his own... All conservation problems—water, erosion, forestry, game, wild flowers, landscapes—ultimately boil down to this.”

(Some Thoughts on Recreational Planning)



GAME MANAGEMENT (1933)



GAME MANAGEMENT

BY
ALDO LEOPOLD
CONSULTING FORESTER

DRAWINGS BY
ALLAN BROOKS



CHARLES SCRIBNER'S SONS
NEW YORK · LONDON

UNIVERSITY OF WISCONSIN PROFESSORSHIP (1933-48)



RESEARCH



OUTREACH



INSTRUCTION

“The development of some vehicle whereby the community can prevent the abuse of private land, and encourage uses which are in the public interest.”
(*One of Leopold’s stated goals for his new academic position, 1933*)

THE CHALLENGE

- “We abuse land because we regard it as a commodity belonging to us.” (ASCA)
- How to make conservation and public interests consistent with private property and owners’ uses of their land?



THERE MUST BE A WAY

“We tried to get conservation by buying land, by subsidizing desirable changes in land use, and by passing restrictive laws. The last method largely failed; the other two have produced only small samples of success.”
(Conservation Economics)



The Trump Administration Is Rolling Back Clean Water Protections for Half of America's Streams

AP Jun 27, 2017(WASHINGTON) — The Trump administration is taking steps to roll back an Obama administration policy that protected more than half the nation's streams from pollution.

Izaak Walton League Condemns Repeal of Clean Water Rule

06/27/2017 Gaithersburg, MD – Today, the Trump Administration turned back the clock on clean water protections with its proposal to repeal the Clean Water Rule.

HARD CHOICES LOOM AS FARMS EXIT CONSERVATION RESERVE PROGRAM

George Plaveneo Media Group

June 23

CRP enrollments are down, USDA reports.
The lower CRP enrollment is due to big
increases in many row crop acreages.

THE ETHICAL APPROACH TO LAND CONSERVATION



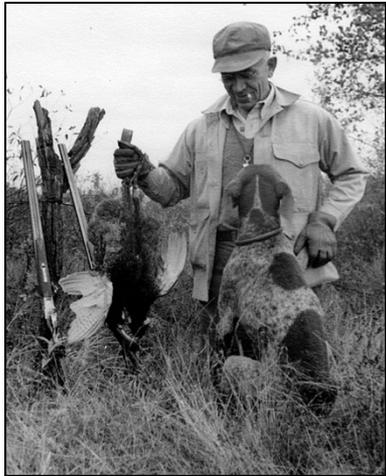
“We seem ultimately always thrown back on individual ethics as the basis of land conservation. It is hard to make a man, by pressure of law or money, do a thing which does not spring naturally from his own personal sense of right and wrong.” (*Conservationist in Mexico*)

THE LAND ETHIC, AN ECOLOGICAL CONSCIENCE, AND LAND HEALTH

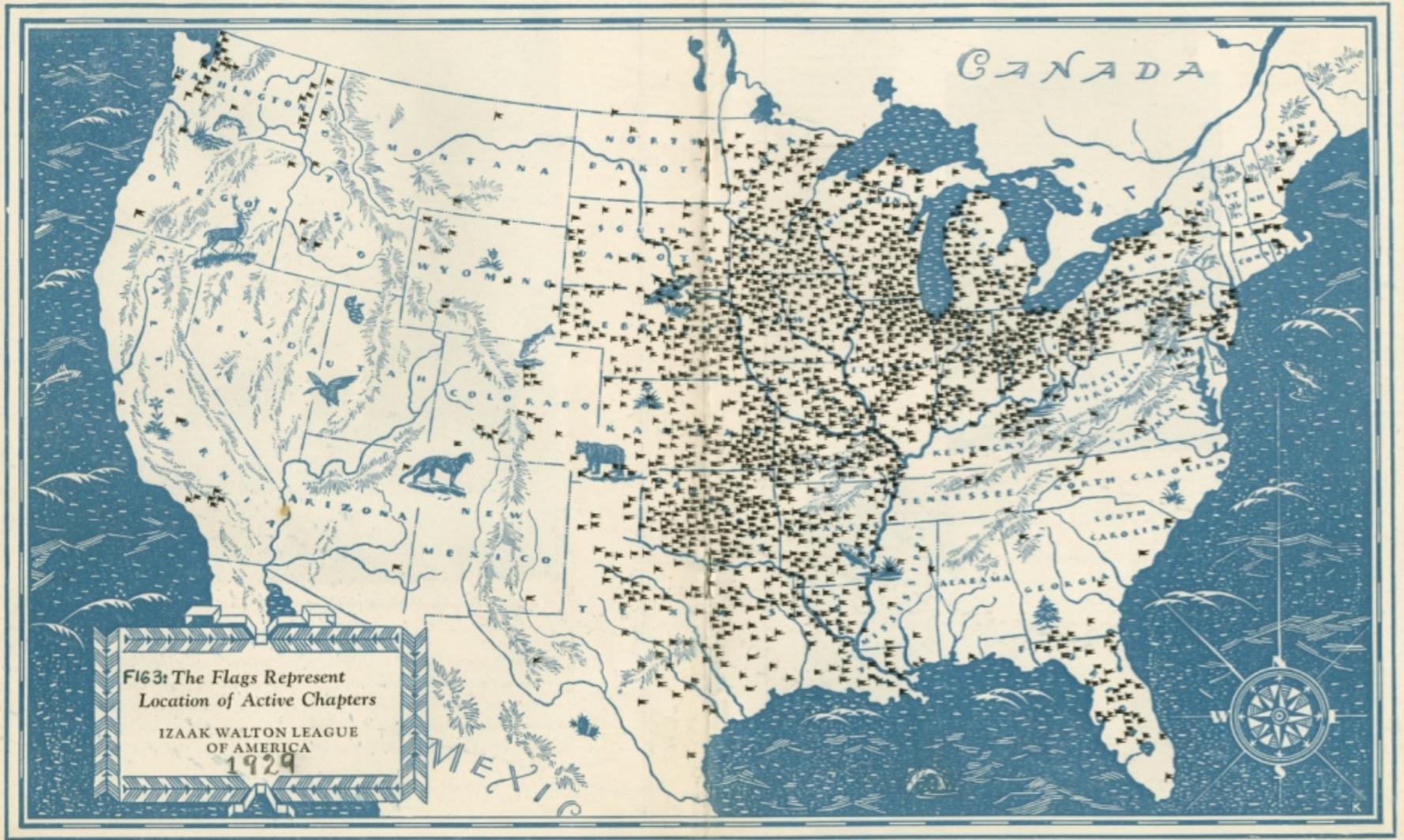


- “A land ethic simply enlarges the boundaries of the community to include soils, waters, plants, and animals, or collectively, the land.”
- “A land ethic, then, reflects the existence of an ecological conscience, and this in turn reflects a conviction of individual responsibility for the health of the land.” (ASCA)

ALDO LEOPOLD AND IZAAK WALTON LEAGUE OF AMERICA



- Aldo Leopold was an early and life-long member of the IWLA
- The IWLA was a chief ally in his 1928-31 game surveys
- He served on and chaired important IWLA committees
- He wrote for *Outdoor America*
- He was a frequent keynote speaker at IWLA conventions



F163: The Flags Represent
Location of Active Chapters

IZAAK WALTON LEAGUE
OF AMERICA
1929

Martin Lee

REPORT OF THE COMMITTEE. ON
NATIONAL PROJECTS IN CONSERVATION

To the Executive Committee of the
Izaak Walton League of America:

Your Committee on National Projects
in Conservation respectfully reports as follows:

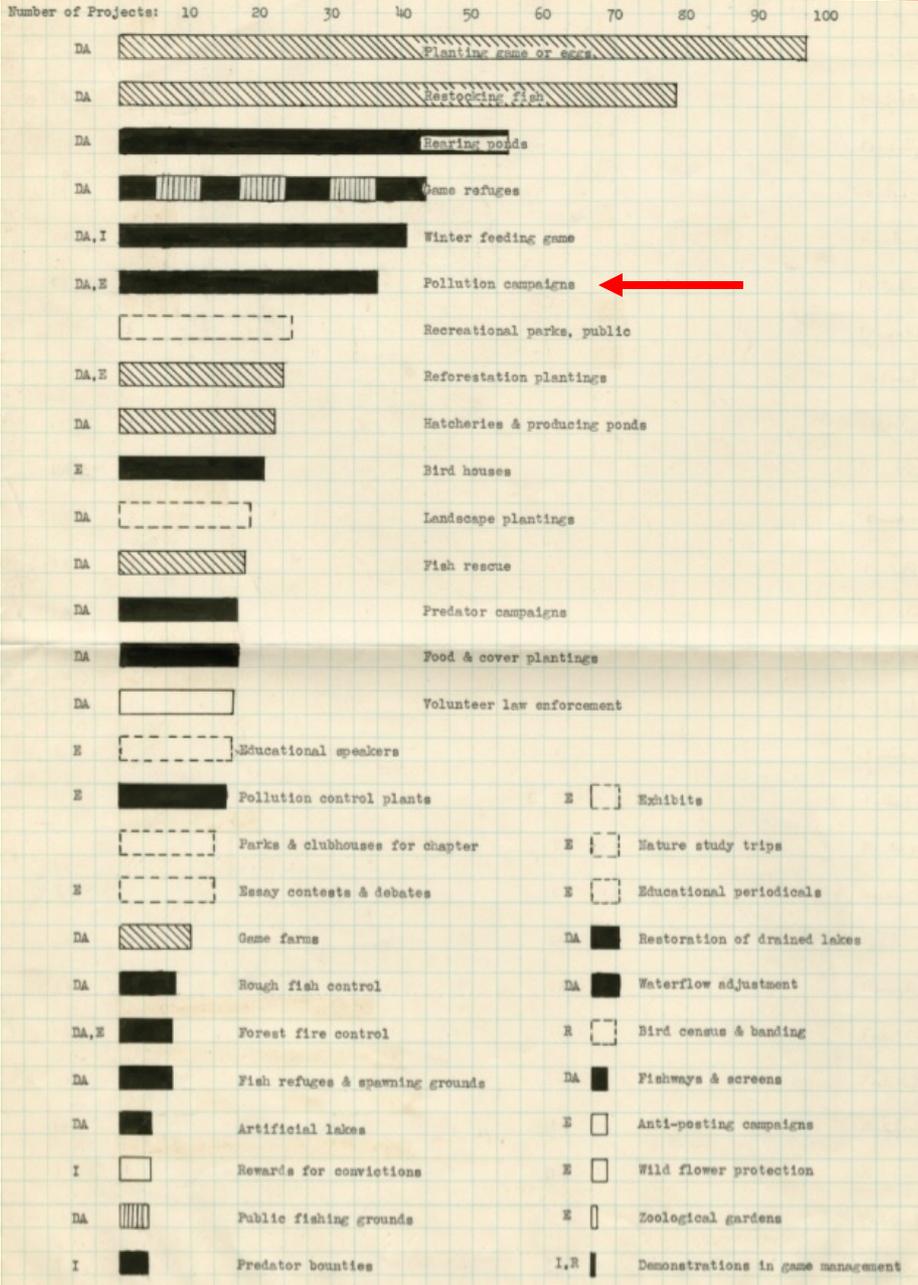
(Signed) W. H. Moore.

C. W. Porter.

R. D. Jones.

 Aldo Leopold, Chairman.

(A tally of projects completed by the 10 best chapters in each of 10 states) Aldo Leopold, 3-13-31



LEGEND: □ Restriction ▨ Reservation ▩ Artificial Replenishment ■ Environmental Control □ Non-management projects

DA - Direct Action I - Incentive for others R - Research E - Educational

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DEFENDER OF WOODS, WATERS AND WILD LIFE



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M. K. RECKORD
GENERAL MANAGER

May 4, 1931.

Mr. Aldo Leopold,
421 Chemistry Building,
Madison, Wisconsin.

Dear Mr. Leopold:

A few days ago, I received a copy of your "Report on a Game Survey of the North Central States" made for the Sporting Arms and Ammunition Manufacturers' Institute.

Thank you for including myself as one to receive a copy of that very comprehensive Report. I am glad to have it in my library and shall read it to add to my own knowledge and keep it near at hand for a reference book.

Please accept my congratulations on your most excellent address to the Izaak Walton League at its 9th Annual Convention in Chicago last month. Your very clear chart was a great help to those in the audience and made it very easy to comprehend your findings in regard to cover and feed.

Most sincerely yours,

Frank M. Warren

Mr. Paul Vincent
President, Izaak Walton League
Stevens Point, Wisconsin

Dear Mr. Vincent:

In accordance with your suggestion, I submit the following expense account covering my visit to Stevens Point to speak at your annual meeting on September 14:

Dinner at Stevens Point70
Breakfast55
Lodging	2.25
Lunch, self, Hornberg, and Vincent	2.00
100 miles auto travel at 5¢ per mile.	<u>5.00</u>
Total	\$10.50

Your offer to pay these expenses helps me a great deal, since my travel allotment is very meagre and will reach that much farther if it does not have to cover these speaking engagements.

With kindest regards,

Yours sincerely,

ALDO LEOPOLD
Game Manager

March 3, 1948

Mr. Kenneth A. Reid
Isaak Walton League of America, Inc.
31 North State Street
Chicago 3, Illinois

Dear Ken:

I have had one eye endangered and while I am now recovered from the operation I am sufficiently scared to make up my mind to avoid speeches or convention trips this spring. I fear, therefore, that I must very regretfully turn down your invitation to speak at the IWLA. Just to show you that I am taking this seriously, I am also passing up the St. Louis meeting.

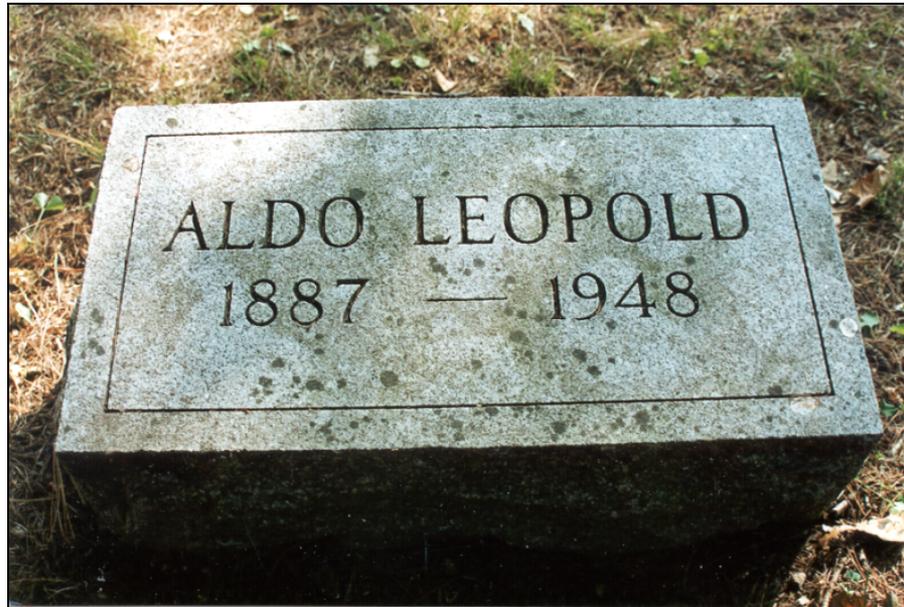
I seem always to be falling down on you, Ken. I am really sorry about it.

Yours ever,

AL:ps

Aldo Leopold

APRIL 21, 1948



THE LEGACY OF ALDO LEOPOLD AS A NATURALIST



NATURALIST (noun)

-a person who studies or is an expert in natural history

NATURAL HISTORY (noun)

-the study of nature, especially as concerned with recording observations rather than doing experimentation

JOURNAL ENTRY FROM 1897

Yellow Bellied Sapsucker mocking
the Red Shouldered Hawk.

Also Blue Jays.

April 18. Snails still in flock.

Ap. 18 - Bats flying

Blooming - Sweet Wm. April 18.

Dog-tooth violet

Mottled Trillium

May apple

Violet & Spring beauty Ap. 12

Bluebell

Ap. 12 - Hepatica, Viola cuculatum

Ap. 18 - Yellow-clay daisy. 

Ap. 11. Two Titmice. & flock 20 ♀ purple f.

Dark Finch song: - resembles vesper &
and interrupted by a low harsh note





On the Upper Mississippi River



On the Current River



On the Rio Grande



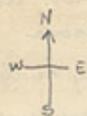
On the Wisconsin River



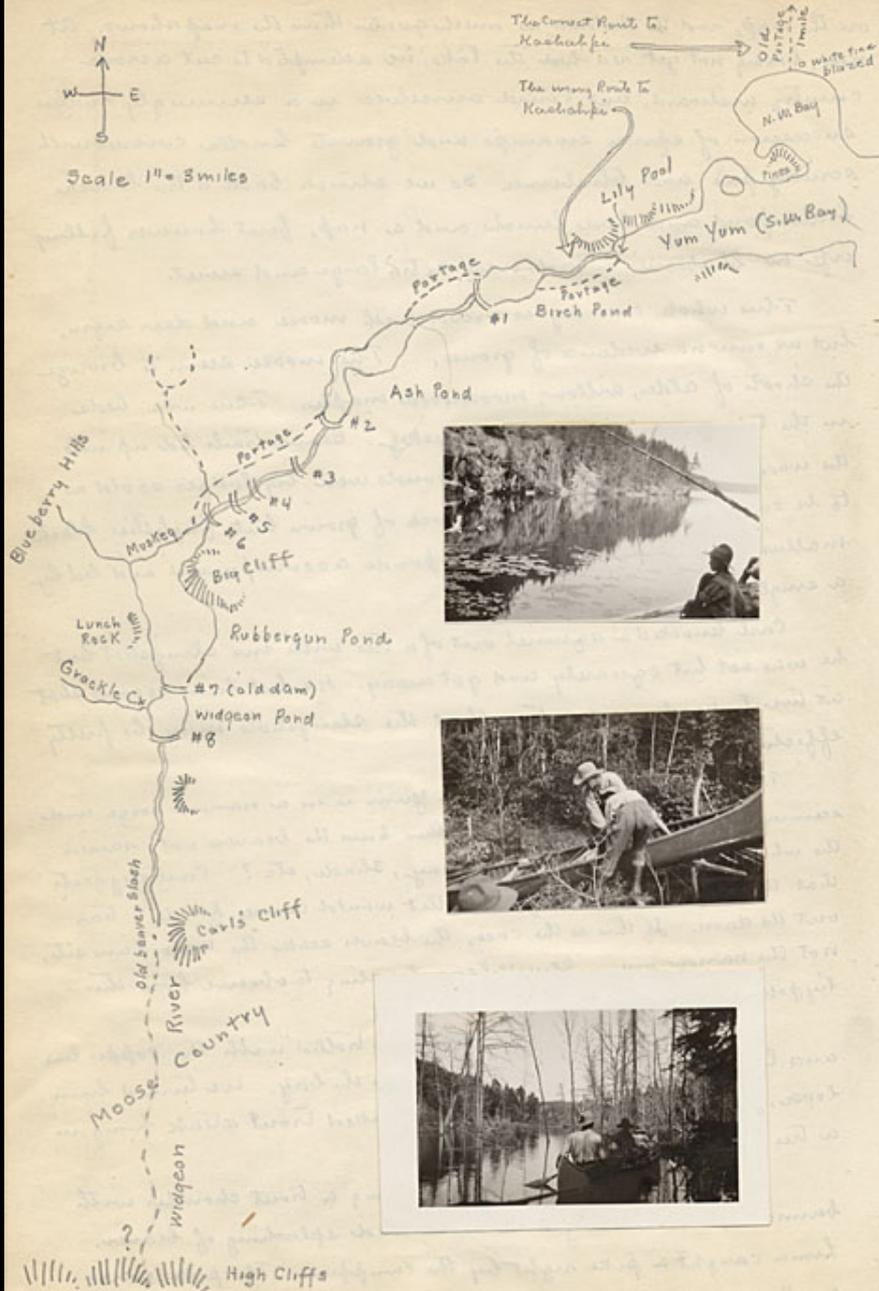
On the Lower Colorado River



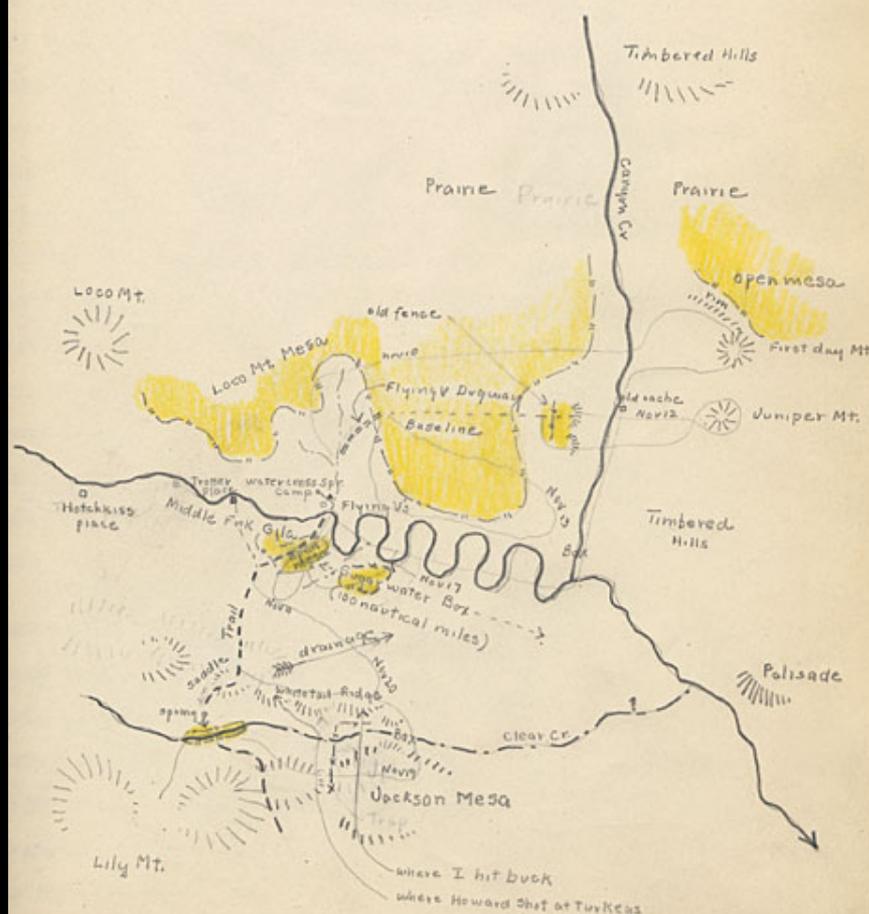
On Quetico-Superior waterways



Scale 1" = 3 miles



Sketch map of Flying V Hunting Grounds





Big Mouth Bass	Roosevelt Lake	8/6/23	Tungo & 5' Casting Rod.			
Caught by		AL	AL	TTS	TTS	
Length		23 ¹ / ₄ "	21 ¹ / ₂ "	20 ¹ / ₂ "	20"	
Girth		14	13 ³ / ₄	13	13 ³ / ₄	
Gape of mouth (vertical)		4	3 ¹ / ₂	3 ¹ / ₂	3 ¹ / ₂	
Spread of tail		8	7	7	7	
Length of gill fin		3				
Weight, live		6#	5 ¹ / ₂ #	5#	5#	
Weight, dressed, no head, skin, fins		3#	2 ¹ / ₂ #	2 ¹ / ₂ #	2 ¹ / ₂ #	



Killed
Weights of Quail, Current R. 1931-2

Dec. 28, S.E. (3 covies)

Hen	189 gr.	}	covey
Cock	191		
Cock	179		
Hen	187		
Hen	185 (wet)		
Cock	192		
Hen	188 (wet)		
Cock	184		
Hen	186		
9, 2 cripples			

Dec 29, SW (5 covies)

Cock	186 gr	}	covey sweet gum Trefol ancil acorn crumbs
Cock	164		
Hen	189		
Hen	200		
Cock	180		
Hen	169		
Hen	190		
7, 1 cripple (dead)			

Dec 30, S. (1 covey)

Hen	185
1, 1 cripple (dead)	

Dec 31 (SW) (5 covies)

Hen	189
Cock	- 199
Cock	- 193
Hen	- 195
Hen	- 173
Hen	- 180
Hen	- 181
Hen	- 205
Hen	- 203
Cock	- 170
Hen	- 191
Hen	- 207
Cock	- 139
Cock	- 184
Cock	- 191
Cock	- 179
Hen	- 142
17, 2 cripples	

(also one bird hit by wind and blown to pieces)

29 hens
17 cocks
46

AL, EBL, Una, Carl, Beella

May 17-18, 1940

Weather Sat. cloudy, cool, SE breeze. One rain - perhaps $\frac{1}{4}$ " - during week.

Sat night: rained all night, perhaps 1". Sunday cold, cloudy, NW wind, some sun.

Phenology First blooms: ^{huckleberry} punchy ash, black cherry, true crab, puncherry

Ranunculus abortivus, ⁵¹¹² Smilacina stellata (False Sol. Seal), Trollius
grandiflora, birdfoot violet, oxalis violacea, red oak, Cardamine parviflora.

In buds: True Solomon's Seal, ^{Huckleberry}

Passing out: Red birch. Still one paragon on Pasque hill.

Full Bloom: Bellwort (*Utricularia sessifolia*), Ranunculus fascicularis,
R. Rhumboides, Anemone (pinnatifida), Rock Creeper (*Carabis lyrata*)

Puccoon, Viola lanceolata, sagittata, cucullata, housewort.

In fruit: *Soraba Canadensis*

(Silver maple fruits 1" long, leaves half out)

Candles on jack pine 6", Red pine $1\frac{1}{2}$ ", white pine $\frac{1}{2}$ "

Pasque stems have elongated, some to 8" high. Veronica 8" high.

migrants arrived: Whif-powells, Scarlet Tanager, Wilson Warbler, Canada
warbler, Parula warbler, Y. B. Chat (Una), yellow throated W,
La. water thrush, Common Tern, Veery, Black Tern,



1947. A PHENOLOGICAL RECORD
FOR SAUK AND DANE COUNTIES,
WISCONSIN, 1935-1945. *ECOLOGICAL
MONOGRAPHS* 17: 81-122.

NATURAL HISTORY, THE FORGOTTEN SCIENCE

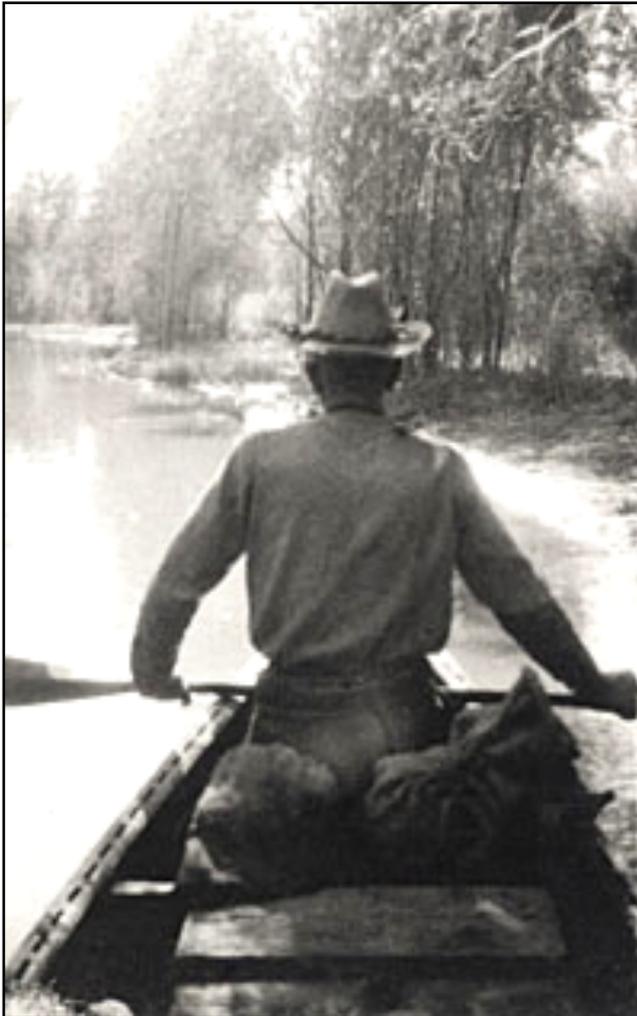
I am here to talk about the pleasure to be had in wild things, about natural history studies as a combination sport and science... There was a time when ladies and gentlemen wandered afield not so much to learn how the world is put together as to gather subject matter for tea-time conversation, ejaculatory vapors such as “ain’t nature grand.” But if you will scan journals of today you will see that a new attitude is abroad...The amateur naturalist is no longer confined to pleasant ambles in the country resulting merely in lists of species...The amateur can, if he has imagination and persistence, select and solve actual scientific and conservation problems... *Typescript of speech delivered at University of Missouri, April 26, 1938*



CLEAN WATER CHALLENGE

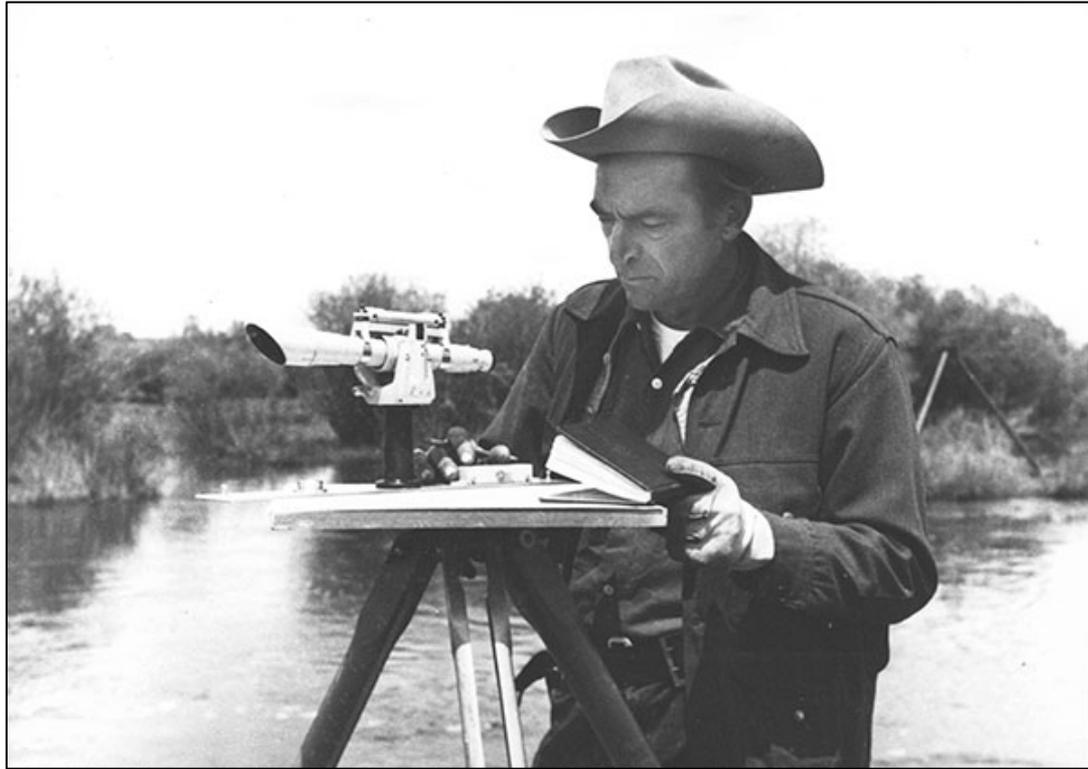
“Keeping records enhances the pleasure of the search, and the chance of finding order and meaning in these events.” *Aldo Leopold*

LEOPOLD ON WATER POLLUTION



“It is, on the face of it, a process of pushing trouble downstream, of seeking benefit for the locality at the expense of the larger community.” (*The Land Health Concept*)

THE HEALTH OF OUR WATERS



“The health of our waters is the principal measure of how we live on the land.” *Luna Leopold*



“I have no illusions about the speed or the accuracy with which an ecological conscience can become functional. It has required 19 centuries to define decent man-to-man conduct and the process is only half done; it may take as long to evolve a code of decency for man-to-land conduct...In such matters we should not worry too much about anything except the direction of travel. The direction is clear, and the first step is to *throw your weight around* on matters of right and wrong in land-use.” (*The Ecological Conscience*)