

IDA COUNTY SOIL CONSERVATION DISTRICT ANNUAL REPORT 19 63

DISTRICT COMMISSIONERS

Arnold Putensen, Chairman	Holstein
Henry Brueck	Battle Creek
W. F. Burow (appointed to fill out the unexpired term of Wm. Rossow, deceased)	Battle Creek
<i>ALICE TURIN</i> Gladys Thornhill, Acting Secretary	Ida Grove
Abel Peters, Treasurer	Ida Grove

ASSISTED BY:

SOIL CONSERVATION SERVICE TECHNICIANS

Kenneth H. Burnett	Work Unit Conservationist
Charles P. Bodholdt	Conservation Aid
Don D. Goodenow	Conservation Aid <i>TECH</i>
<i>CLARENCE KRAFT</i>	<i>AID</i>

OTHER SOIL CONSERVATION SERVICE PERSONNEL ASSISTING

George E. Lamp, Area Conservationist	Sioux City
Wayne Ducommun, Area Engineer & Staff	Sioux City
John Worster, Area Soil Scientist & Staff	Sioux City

STATE PERSONNEL

<i>ALICE TURIN</i> Gladys Thornhill, District Clerk	Ida Grove
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EXTENSION SERVICE

Dave Hessman, Co. Extension Director	Ida Grove
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HIGH LIGHTS OF 1963

Construction started on the Pleasant Valley Watershed on October 23. Sixteen structures were planned, four have been completed, clearing and grubbing has also been completed on several other construction sites.

Twenty-three new cooperators requested assistance from the District on 3,656 acres of farm land. Twenty-seven basic farm conservation plans were prepared on 5,320 acres. This brings the total to 478 such plans now in operation. New cooperators and new farm plans are listed later in this report.

A severe thunderstorm on May 11 produced severe erosion and crusted plowed fields to the extent that planted crops had difficulty emerging. The storm was variously reported at from $2\frac{1}{2}$ to 6 inches of rainfall. Contour farming and terraces received very little damage. Soil erosion from straight row planting was excessive. No damage to Little Sioux Sub-Watershed was apparent from this storm.

First field work started on March 26 and the ground froze too hard for application of practices on December 9. This was a long application season.

Major items of practice application include the following: layout of contour farming 4,736 acres, 38 miles of terracing, grassed waterways 49 acres, tile drains 10 miles and gully control structures 5. In addition to the contouring listed above, many farmers laid out their own contour guide lines without the assistance of the District and no records are available as to how much of this was done.

Information meetings were held with three watershed groups during the year. There are now organized in this District, three groups whose goal is the establishment of a Little Sioux Flood Control Sub-Watershed, they are as follows: Tri-Valley Watershed 3,200 acres located 4 miles northwest of Ida Grove, West Aldrich Creek 5,000 acres located 2 miles northwest of Battle Creek, Wissink Watershed 800 acres adjoining the Tri-Valley on the south. Other groups have shown interest but have not as yet formally organized.

In 1963 Dave Hessman replaced Wayne Halstead as County Extension Director. Relations between the Extension District and the Soil Conservation District continue excellent.

The Ida County ASCS again in 1963 provided all allowable financial assistance to the District for assisting farmers with practices where cost-shares were involved. This provided the major portion of one man's salary for one year. ACP cost-shares are one of the major factors in influencing farmers to install conservation practices.

The District was entered in two contests, The Sioux City Permanent Agriculture Program sponsored by the Sioux City Chamber of Commerce and the Sioux City Journal Publishing Company, and the (Des Moines) Register and Tribune Iowa Soil Conservation Awards Contest. In the Iowa Awards contest the District entered: Chester Burton, Battle Creek, Edna Johnson & George Redenius, Ida Grove and B. F. Eason, Battle Creek. In the Sioux City contest enteries were: B. P. Collins & Ed Marth, Battle Creek, Ransom Leonard, Holstein and Edna Johnson & George Redenius, Ida Grove. In this contest the District was named an Area winner and received suitable recognition at a banquet held in Sioux City.

Again this year the District maintained a booth at the Ida County 4-H Fair. The cornbelt section of the "America The Beautiful" pictures were exhibited, considerable favorable comment was received.

Radio station K A Y L, Storm Lake, continues to provide this District with 5 to 8 minutes of radio time monthly. This is a part of their farm feature program, presented daily except Saturday and Sunday, at 12:30, with soil conservation featured on Fridays. The continuity of this program has made it very effective for the District.

Charles P. Bodholdt was forced to accept disability retirement at the end of this year because his eyesight had failed to the point where he was unable to operate equipment. He has served the District as Conservation Aid for over eight years and he will be difficult to replace.

The District gopher control machine will be available on rental basis in 1964. Where it was used in 1963, results were very satisfactory.

MAINTENANCE FUND

(Held in Trust by the District for the Maintenance of Watershed Structures.)

Cash on Hand, January 1, 1963	\$ 3,134.13
Receipts - 1963	637.93
Expenditures - 1963	2,522.22
Cash on Hand, December 31, 1963	1,249.84
U.S. Government Bonds on Hand (Purchase Price) December 31, 1963	7,775.00
U.S. Government Bonds on Hand (Surrender Value) December 31, 1963	8,973.80
Time Certificates	\$ 4,412.00

GENERAL FUND

(From Various Sources)

Balance, January 1, 1963	\$ -7.81
Receipts - 1963	75.00
Expenditures - 1963	3.35
Balance, December 31, 1963	<u>\$ 64.84</u>

1 - M BUDGET

(Received From the State of Iowa for Commissioners Expenses.)

Office Supplies	\$ 112.40
Commissioners Expenses	155.32
Office Expense	119.31
Materials for Demonstration	1.65
Rentals	<u>37.50</u>
TOTAL Expended	\$ 426.18

2 - M BUDGET

(Received From the State of Iowa for Clerk Salary, Part-Time Technical Assistance and Equipment.)

Equipment	\$ 0
Clerk Salary & Technical Assistance	<u>3,479.82</u>
TOTAL Expended	\$ 3,479.82

THOSE WHO BECAME DISTRICT COOPERATORS - 1963

Name	Twp.	Name	Twp.
Mrs. H. L. Parker	Logan	B. F. Eason, Jr.	Corwin
Thomas R. Schmidt	Grant	Hugo Schrienbeck	Corwin
L. B. Bertelson	Maple	Ervy Zock	Silver Creek
Thomas R. Schmidt	Grant	R. J. Kolb	Logan
Agatha Buettner	Battle	Burdette Witte	Logan
Robert Friedrichsen	Logan	Anna Mildenstein	Corwin
William J. Blenner	Douglas	Claude Conover	Battle
Lloyd Schlinz	Griggs	John Heilman	Logan
Jay T. Bower	Garfield	George Hartley	Silver Creek
Orville Fouts	Garfield	Edmund Bengford	Blaine
Harold Willcutt	Corwin	Emiel Stamp	Douglas
Wilhelmina Lundt	Maple		

BASIC FARM CONSERVATION PLANS PREPARED - 1963

Name	Twp.	Name	Twp.
William Piper	Grant	Hans J. Dittmer	Griggs
Thomas R. Schmidt	Grant	Donald Eckman	Hayes
Delane C. Schroeder	Logan	Roy Eckman	Hayes
John Harder	Galva	B. F. Eason, Jr.	Corwin
Mary McHarg	Galva	Howard Parker	Galva
Francis Cronin	Battle	Sheer & McIntosh	Logan
LaMern Albers	Corwin	Robert Friedrichsen	Logan
Burdell Vohs	Maple	AlWayne Riessen	Garfield
Rudolph Jensen	Corwin	Ervin Wilcke	Logan
Gail E. Rogge	Corwin	John Foley	Galva
Mary Jane Tolbert	Galva	Alfred Meisner	Logan & Battle
Marvin Seehusen	Maple	Harold Woolridge	Silver Creek
C. C. Rasmussen	Corwin & Maple	H. W. Godbersen	Hayes
		Victor Zobel	Blaine

ACCOMPLISHMENTS AND GOALS

	In <u>1963</u>	Since <u>1945</u>	For <u>1964</u> 65
New District Cooperators - Number	23 64	623 7	50
Acres	3,656	111,097	10,000
Basic Conservation Plan - Number	27 28	497 7	33
Acres	5,320	88,840	7,100
Revised Conservation Plan - Number	2 4	-	10
Acres	320	-	2,000
Follow-Up Calls - Number	200 201	-	200
Contour Layout - Acres	4,736 3361	51,823	4,500
Contour Strip Cropping - Acres	420 504	2,175	400
Level Terraces - Miles	37 35	538	47
Diversion Terrace - Miles	0.6 0.6	6.8	0.6
Tile Drains - Miles	10 9	79	8
Grassed Waterway Shaping - Acres	49 59	654	45
Gully Control Structures - Number	5 7	43	7

ACKNOWLEDGMENT

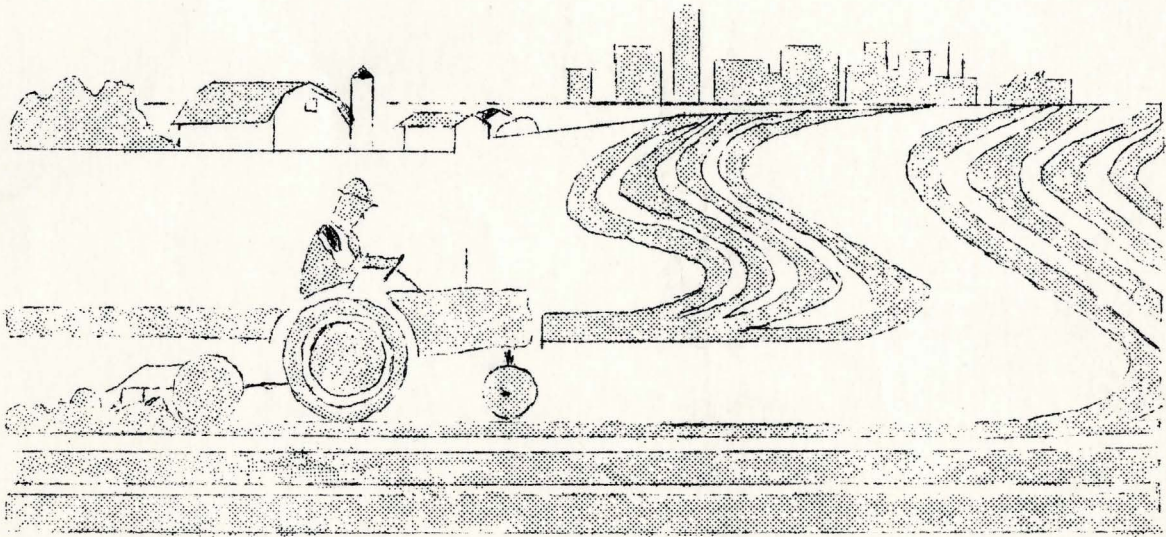
The District, it's officers and those working closely with it, sincerely acknowledge the assistance rendered it in many forms by individuals and groups. This assistance and cooperation permits the District to report another banner year.

Arnold Putensen, Chairman

W. F. Burow

Henry Brueck

WHERE ARE WE HEADING



A Projection of Conservation Needs For Ida County

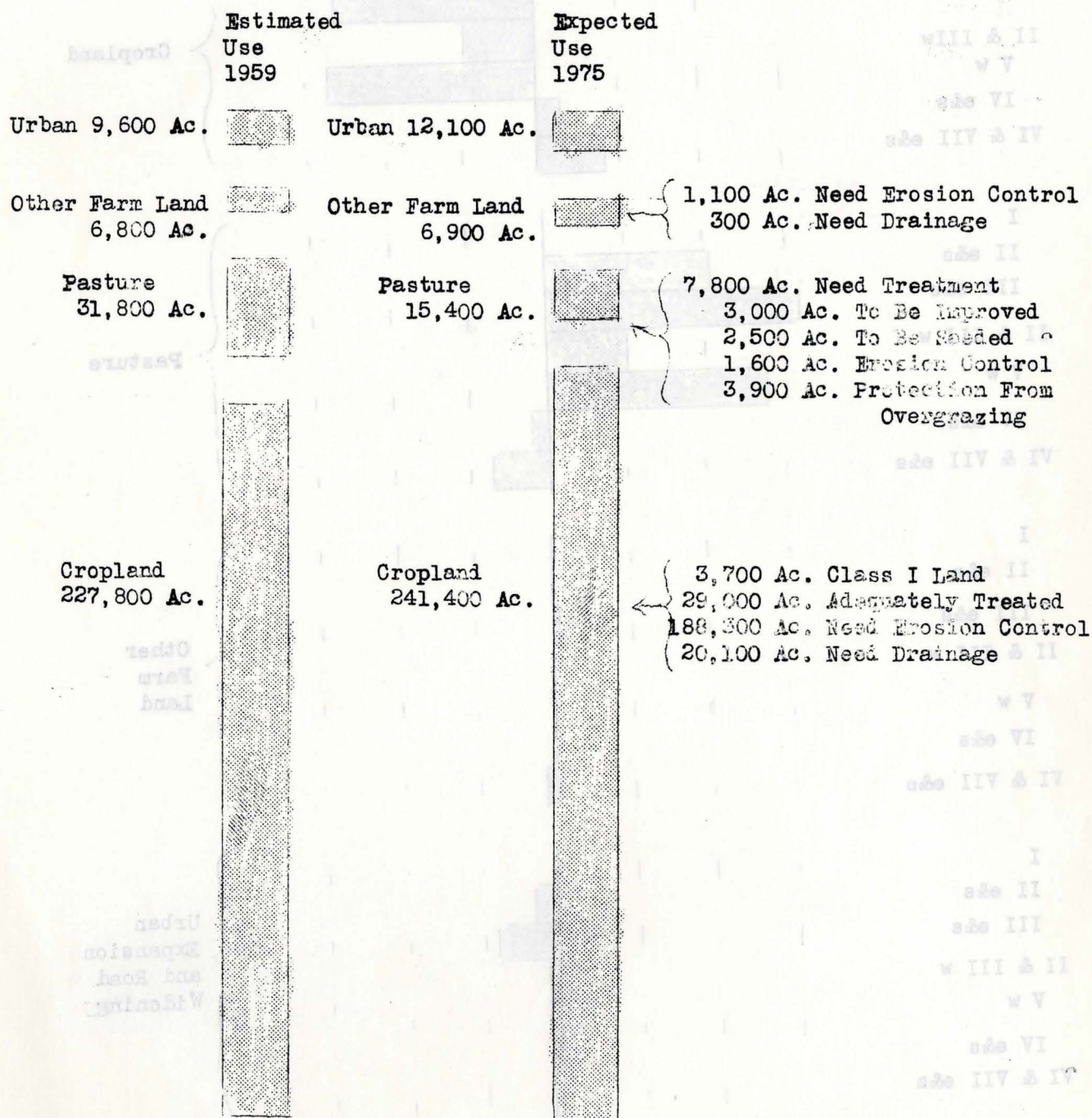
Ida County Soil Conservation District

1963

PRESENT AND EXPECTED LAND USE

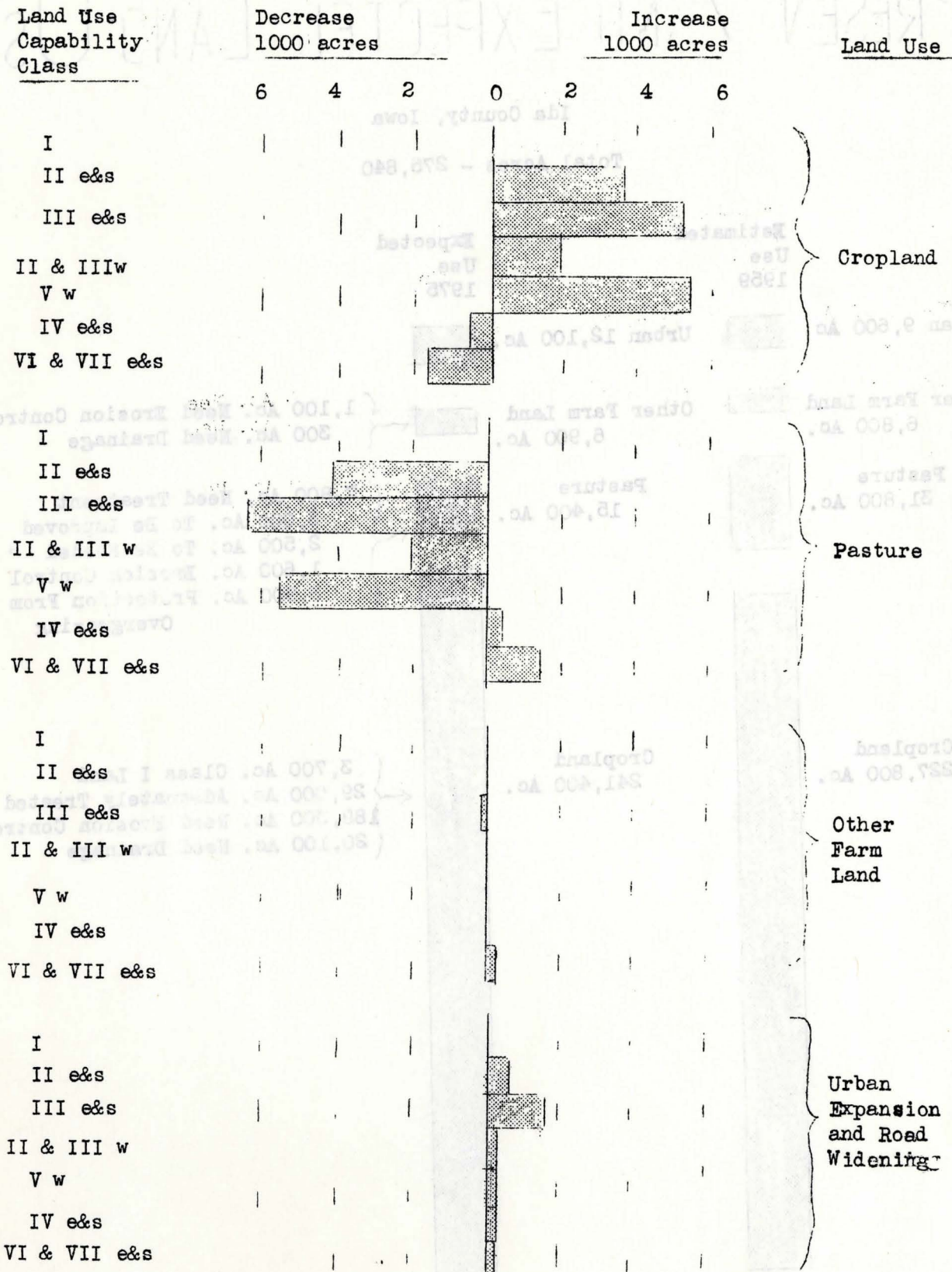
Ida County, Iowa

Total Acres - 275,840



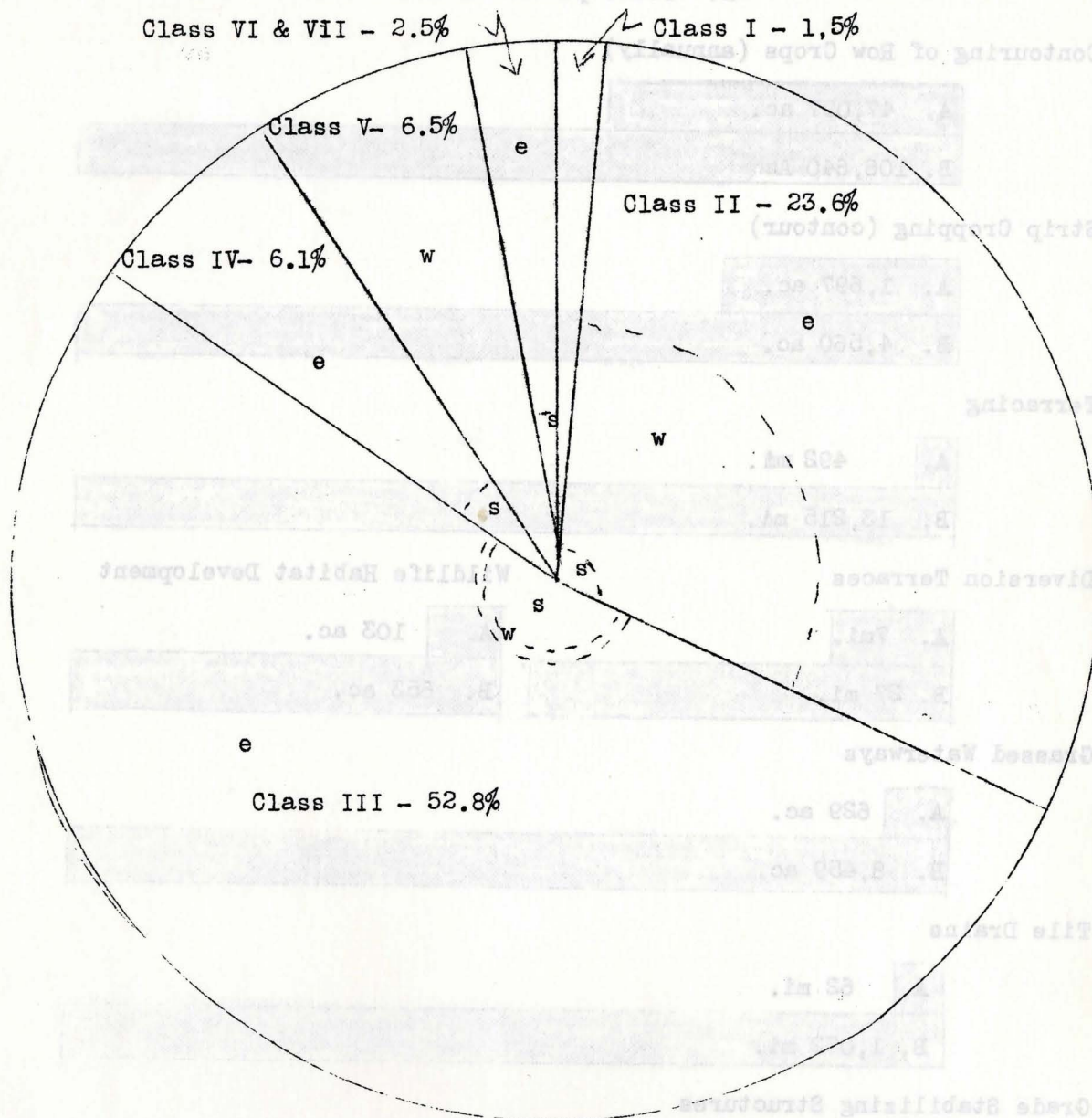
EXPECTED CHANGES IN LAND USE BY 1975

Ida County



INVENTORY OF LAND BY LAND USE CAPABILITY CLASS AND PRINCIPAL PROBLEM FOR CULTIVATION OR USE

Types of problems { e. erosion is principle problem
w. wetness is principal problem
s. drouthiness is principal problem



Class I - No problems for cultivation
 Class II - Minor problems for cultivation
 Class III - Severe problems for cultivation
 Class IV - Very severe problems when cultivated, minor problems used for pasture
 Class V - Land cut by deep gullies or streams or subject to frequent overflow
 Class VI & VII - Very severe problems even when used for pasture

4.

ESTIMATES OF CONSERVATION PRACTICE NEEDS

Legend:

A. On the land in 1962

B. Total practical needs for the District

Contouring of Row Crops (annually)

A. 47,097 ac.

B. 106,640 ac.

Strip Cropping (contour)

A. 1,697 ac.

B. 4,560 ac.

Terracing

A. 492 mi.

B. 13,215 mi.

Diversion Terraces

A. 7mi.

B. 27 mi.

Wildlife Habitat Development

A. 103 ac.

B. 653 ac.

Grassed Waterways

A. 629 ac.

B. 8,459 ac.

Tile Drains

A. 62 mi.

B. 1,032 mi.

Grade Stabilizing Structures

A. 55 no.

B. 1,105 no.

Pasture Seeding

A. 645 ac.

B. 1,032 ac.

CONSERVATION NEEDS AND PROGRESS TO DATE

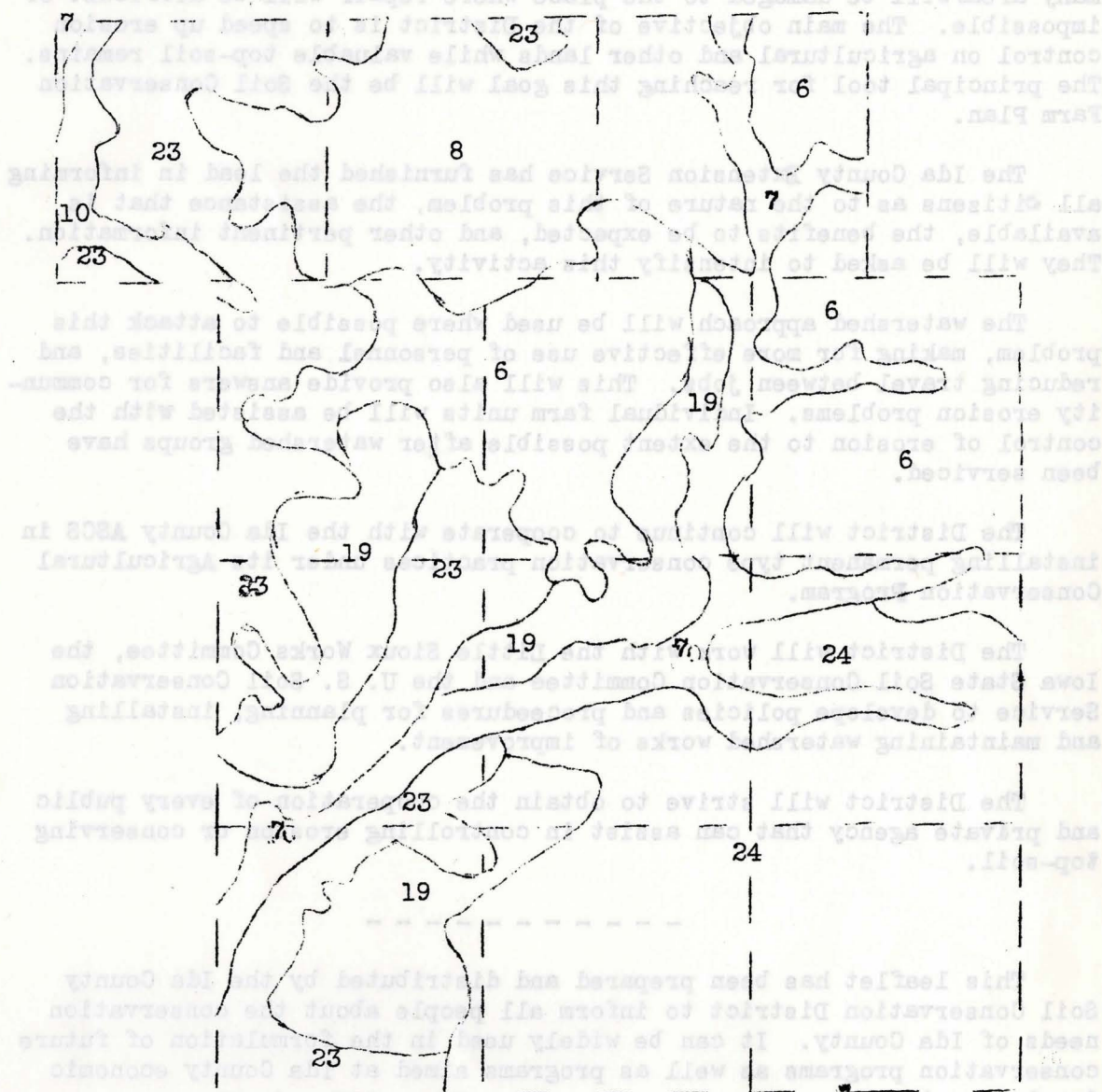
Ida County

<u>Item</u>	<u>Total Needs</u>	<u>1962 On The Land</u>	<u>1962 Remaining Needs</u>	<u>1962 Annual Rate</u>	<u>Years To Complete</u>
Contouring (ac)	106,640	47,097	59,543	3,000	20
Strip Cropping (ac)	4,560	1,697	2,863	100	29
Terraces (mi)	13,215	492	12,723	48	265
Diversions (mi)	27	7	20	1	20
Wildlife Habitat Devel. (ac)	653	103	550	7	79
Grassed Waterways (ac)	8,459	629	7,830	50	157
Land Drainage (ac)	11,352	715	10,637	-	-
Tile Drains (mi)	1,032	62	970	4	273
Open Drains (mi)	9	4	5	0.1	50
Dams (no)	1,105	55	1,050	7	150
Pasture Improvement (ac)	7,689	200	7,489	20	375
Pasture Seeding (ac)	2,481	645	1,836	40	46

Use of Inventory Acreage by Land Capability Classes and Subclasses
Iowa County, Iowa, 1959 and Expected 1975

Capability Class and Subclass	Cropland		Pasture		Other Land		Total		Out Of Inventory
	1959	1975	1959	1975	1959	1975	1959	1975	1975
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 acres
Class I	3.7	3.7	0.3	0.3	-	-	4.0	4.0	-
Class II	70.2	75.7	9.6	3.3	1.8	1.8	81.6	80.8	0.8
IIe	(55.8)	(59.4)	(5.6)	(1.4)	(1.2)	(1.2)	(62.6)	(62.0)	(0.6)
IIw	(14.0)	(15.9)	(4.0)	(1.9)	(0.6)	(0.6)	(18.6)	(18.4)	(0.2)
IIIs	(0.4)	(0.4)	-	-	-	-	(0.4)	(0.4)	-
Class III	127.4	132.5	9.9	3.5	3.4	3.3	140.7	139.3	1.4
IIIe	(125.3)	(130.4)	(9.6)	(3.2)	(3.1)	(3.0)	(138.0)	(136.6)	(1.4)
IIIw	(0.1)	(0.1)	-	-	-	-	(0.1)	(0.1)	-
IIIs	(2.0)	(2.0)	(0.3)	(0.3)	(0.3)	(0.3)	(2.6)	(2.6)	-
Class IV	15.2	14.6	0.5	0.9	0.4	0.4	16.1	15.9	0.2
IVe	(14.6)	(14.1)	(0.5)	(0.8)	(0.2)	(0.2)	(15.3)	(15.1)	(0.2)
IVs	(0.6)	(0.5)	-	(0.1)	(0.2)	(0.2)	(0.8)	(0.8)	-
Subtotal (I - IV)	(216.5)	(226.5)	(20.3)	(8.0)	(5.6)	(5.5)	(242.4)	(240.0)	(2.4)
Class V	6.0	11.3	10.8	5.3	0.5	0.5	17.3	17.1	0.2
Class Vw	(6.0)	(11.3)	(10.8)	(5.3)	(0.5)	(0.5)	(17.3)	(17.1)	(0.2)
Class VI	4.6	3.3	0.7	1.8	0.5	0.6	5.8	5.7	0.1
VIe	(4.4)	(3.1)	(0.4)	(1.5)	(0.5)	(0.6)	(5.3)	(5.2)	(0.1)
VIs	(0.2)	(0.2)	(0.3)	(0.3)	-	-	(0.5)	(0.5)	-
Class VII	0.7	0.3	-	0.3	0.2	0.3	0.9	0.9	-
VIIe	(0.5)	(0.1)	-	(0.3)	(0.2)	(0.3)	(0.7)	(0.7)	-
VIIs	(0.2)	(0.2)	-	-	-	-	(0.2)	(0.2)	-
Subtotal (V - VII)	(11.3)	(14.9)	(11.5)	(7.4)	(1.2)	(1.4)	(24.0)	(23.7)	(0.3)
Total all Classes	227.8	241.4	31.8	15.4	6.8	6.9	266.4	263.7	2.7

PROBLEM AREA MAP OF IDA COUNTY SOILS



- 6. Gently rolling (5 - 8%) loessal soils. Long slopes. Galva, Pringhar, Sac.
- 7. Level to gently rolling (0 - 8%) first and second bottom lands.
- 8. Undulating (2 - 4%) loessal soils. Long slopes. Galva, Pringhar, Sac.
- 10. Steep (24%+) till soils. Philby, Steinhauer, Shelby.
- 19. Rolling (9 - 30%) loessal soils. Ida, Monona.
- 23. Gently rolling (5 - 15%) loessal soils. Ida, Monona.
- 24. Gently rolling (5 - 9%) loessal soils. Marshall, Monona, Ida.

IDA COUNTY SOIL CONSERVATION DISTRICT

Program Objectives and Policies

This study shows that it will be many years before all of the soil in Ida County is adequately protected from soil erosion. In that time many areas will be damaged to the place where repair will be difficult or impossible. The main objective of the District is to speed up erosion control on agricultural and other lands while valuable top-soil remains. The principal tool for reaching this goal will be the Soil Conservation Farm Plan.

The Ida County Extension Service has furnished the lead in informing all citizens as to the nature of this problem, the assistance that is available, the benefits to be expected, and other pertinent information. They will be asked to intensify this activity.

The watershed approach will be used where possible to attack this problem, making for more effective use of personnel and facilities, and reducing travel between jobs. This will also provide answers for community erosion problems. Individual farm units will be assisted with the control of erosion to the extent possible after watershed groups have been serviced.

The District will continue to cooperate with the Ida County ASCS in installing permanent type conservation practices under its Agricultural Conservation Program.

The District will work with the Little Sioux Works Committee, the Iowa State Soil Conservation Committee and the U. S. Soil Conservation Service to develop policies and procedures for planning, installing and maintaining watershed works of improvement.

The District will strive to obtain the cooperation of every public and private agency that can assist in controlling erosion or conserving top-soil.

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This leaflet has been prepared and distributed by the Ida County Soil Conservation District to inform all people about the conservation needs of Ida County. It can be widely used in the formulation of future conservation programs as well as programs aimed at Ida County economic development.

The estimates presented are based on a study made by the Ida County Conservation Needs Committee in 1959. This was part of a National study made under directives from the U. S. Department of Agriculture. Listed are the names of those persons who participated

Ida County Conservation Needs Committee

C. H. Lewellyn, Ida Grove
Ben Ridlen, Ida Grove
Howard Robel, Ida Grove
Fred J. Krenk, Ida Grove
Earl Bunann, Ida Grove
Milford Barker, Arthur
Floyd Lindberg, Ida Grove
George W. Leonard, Holstein
Herb Knuth, Holstein
John Irwin, Ida Grove
George A. Hackett, Sac City
James W. Wallace, Lake View

W. F. Burow, Battle Creek
William Rossow, Battle Creek
Edwin Hargens, Ida Grove
Leslie C. Magnuson, Schaller
John T. Crawford, Holstein
John Fries, Kiron
George W. Witters, Ida Grove
John R. Worster, SCS, Sioux City
Henry Ruhser, ASCS, Ida Grove
Evert D. Halstead, Ext. Ser., I.G.

Kenneth H. Burnett, SCS, Ida Grove
(Chairman)