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PROCUREMENT SECTION
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INDIANA WATERSHED SUMMARY

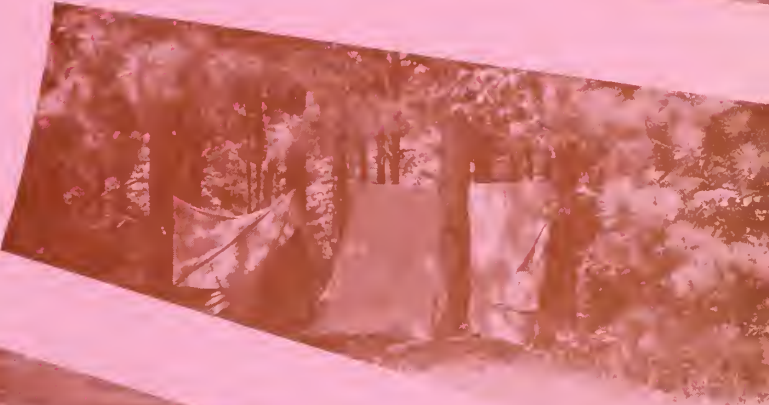
JUNE 30, 1974

CLETUS J. GILLMAN
STATE CONSERVATIONIST

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Indianapolis, Indiana

USDA-SCS-LINCOLN, NEBR. 1973



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CATALOGING - PREP.

FOREWORD

This summary has been prepared to reflect the current status of Indiana small watershed projects and applications under Public Law 83-566. It gives brief facts on a statewide basis and specific details about each watershed for which an application has been received.



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WATERSHED STATUS CHARTS

The following charts show the status of Public Law 566 watershed projects as of June 30, 1974.

LEGEND

Appl. No.

Number assigned to the application by the Indiana Natural Resources Commission.

Application Approved

Date application was approved by the Commission.

Structural Measures

SP - Single-Purpose Floodwater Retarding Structure
MP - Multiple-Purpose Floodwater Retarding Structure
REC FAC - Recreational Facility
M&I - Municipal and Industrial Water Supply

EIS

Environmental Impact Statement

1. EIS or negative declaration will be required on all future work
2. Underway
3. Completed

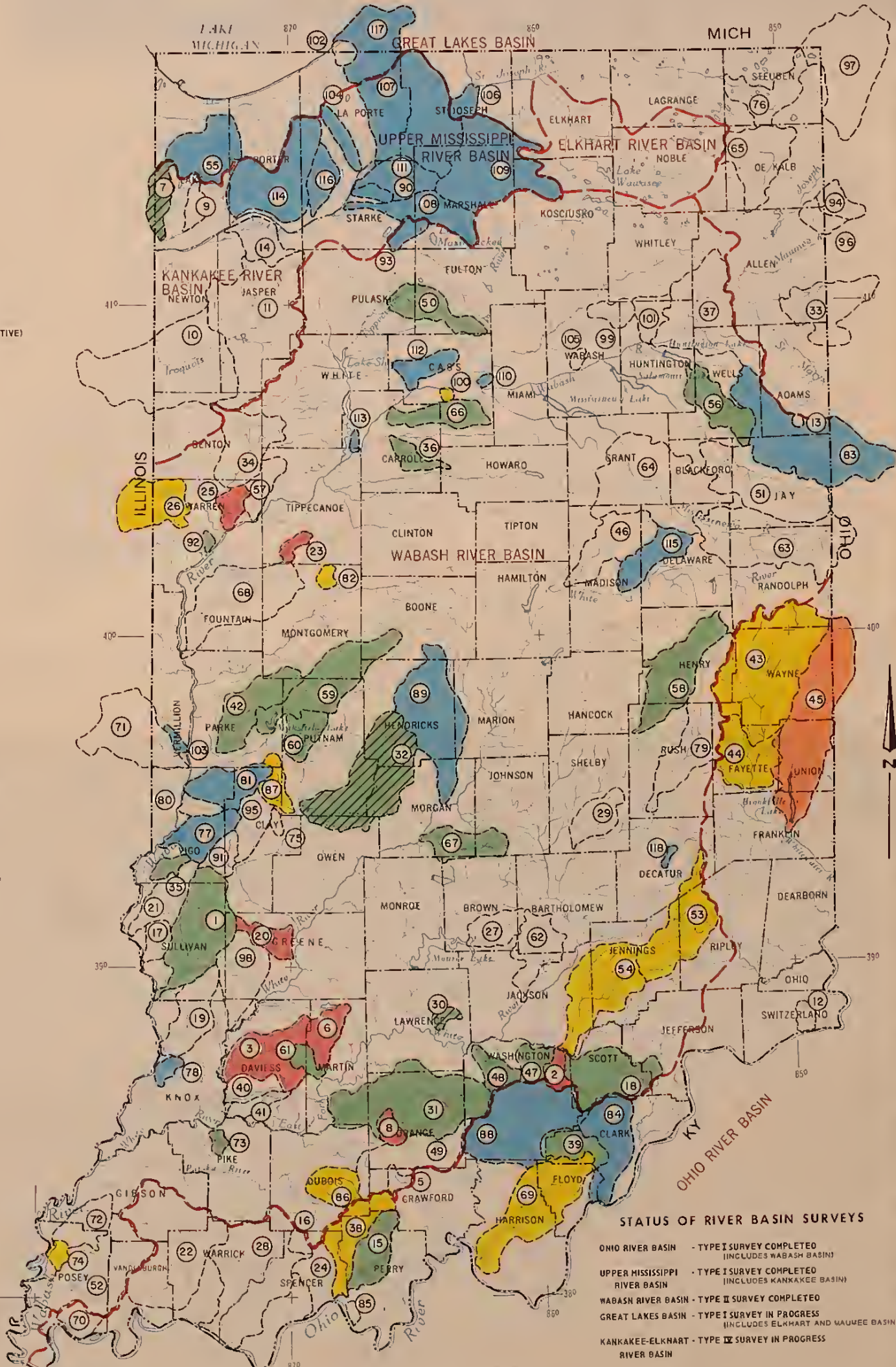
Watersheds Memorandum-108

This memorandum provides guidelines for reviewing approved watershed work plans that include channel work not yet installed to determine the significance of effects on the environment. Of the 17 Indiana projects restudied, 14 were determined to require a work plan supplement. As of June 30, 1974, two supplements have been completed. An EIS or negative declaration will be required on all future work.

RIVER BASIN AND WATERSHED PROGRESS MAP INDIANA

PROJECTS

- CONSTRUCTION COMPLETED**
- (2) Elk Creek 10-N
- (3) Prairie Creek 6-N
- (6) Boggs Creek 7-M
- (9) French Lick Creek 8-D
- (20) Lilles Creek 6-L
- (23) Little Wao Creek 7-H
- (25) Kickapoo Creek 6-G
- AUTHORIZED FOR CONSTRUCTION**
- (1) Bussard Creek 6-L
- (15) Middle Fork of Anderson River 8-P
- (18) Sluckor Fork 11-N
- (31) Last River 8-N
- (35) Prairie Creek-Vigo 5-L
- (36) Bachelor Run 8-F
- (39) Muddy Fork of Silver Creek 10-O
- (42) Little Raccoon Creek 6-I
- (47) Delaney Creek 9-N
- (48) Twin-Rush Creek 9-N
- (50) Mill Creek-Fulton Co. 8-E
- (56) Rock Creek-Wells Co. 12-F
- (58) Upper Big Blue River 11-I
- (59) Big Raccoon 7-I
- (60) Little Walnut Creek 7-J
- (61) West Boggs Creek 7-N
- (66) Rock Creek-Cass Co. 9-F
- (67) Indian Creek 9-K
- (73) Prides Creek 8-D
- (92) Fall Creek 6-H
- AUTHORIZED FOR CONSTRUCTION (INACTIVE)**
- (7) West Creek 5-C
- (30) Dewell Creek 6-M
- (32) Mill Creek 8-J
- PLANNING COMPLETED**
- (45) East Fork Whitewater River 13-I
- AUTHORIZED FOR PLANNING**
- (26) Jordan Creek 5-G
- (38) Anderson River 7-P
- (43) Upper West Fork Whitewater 12-I
- (44) Whitewater River-Fayette 12-J
- (53) Upper Vernon Fork Muscatuck 11-L
- (54) Lower Vernon Fork Muscatuck 11-M
- (69) Indian Creek-Harrison Co. 9-D
- (74) Gresham Creek 4-P
- (82) Lye Creek-Drain 7-H
- (85) Hill-Fat Creek 7-D
- (87) Crays Creek 6-J
- (100) Goose Creek 6-F
- APPLICATION RECEIVED**
- (55) Deep River 6-C
- (77) Honey Creek 6-K
- (78) Snapp-Kelso Creek 5-N
- (81) Oiler Creek 6-J
- (83) Buckeye-Hoosier-Wabash River 13-G
- (84) Silver Creek 10-N
- (89) Blue River 9-O
- (89) White Lick Creek 6-I
- (90) Bailley-Cox-Newton 8-C
- (93) Hauso-Barlee Ditch 8-D
- (103) Feather Creek 5-J
- (104) Mill Creek-LaPorte County 7-B
- (106) Bowman Creek 9-B
- (107) Upper Kankakee River 8-B
- (108) Lower Yellow River 8-D
- (110) Upper Yellow River 9-C
- (110) New Waverly-Williams Creek 9-F
- (111) Rabbits Watershed 8-C
- (112) Crooked Creek 5-F
- (113) Maxwell Drain 7-F
- (114) Porter County-Kankakee River 6-C
- (115) Killbuck Creek 11-H
- (116) Meckler Ditch 7-C
- (117) Gollen River 8-B
- (118) Gas Creek 11-K
- APPLICATION INACTIVE, TERMINATED, UNFEASIBLE, OR SUSPENDED**
- (5) Little Patoka Creek 8-O
- (9) Spring Run-Griscol 8-D
- (10) Lower Itouais River 5-E
- (11) Upper Itouais River 8-E
- (12) Log Lick Creek 13-M
- (13) Long-Amalitz Ditch 13-F
- (14) Barnard Ditch 6-D
- (16) North Fork of Little Pigeon Creek 7-F
- (17) Tuntio Creek 5-L
- (19) Mariah Creek 8-M
- (21) Turman Creek 5-L
- (22) Pigeon Creek 5-F
- (24) Crooked Creek 7-P
- (27) Middle Fork of Salt Creek 9-L
- (28) Little Pigeon Creek 6-P
- (29) Lewis Creek 10-K
- (33) Flat Rock Creek 13-E
- (34) Big Pine Creek 8-G
- (37) Little River 12-E
- (40) Veslo Creek 6-N
- (41) Alkman Creek 6-N
- (46) Pipe Creek 11-G
- (46) Upper Patoka River 8-O
- (51) Salamonio River 12-G
- (52) Big Creek 4-P
- (57) Little Pine Creek 6-G
- (62) White Creek 10-L
- (63) Upper Mississinewa River 12-H
- (84) Lower Mississinewa River 11-D
- (85) Cedar Creek 12-C
- (86) Cool Creek 6-H
- (70) Cassberry Creek 4-O
- (71) Brummetts Creek 5-J
- (72) Black River 4-P
- (75) McInrye Creek 7-K
- (76) Pigeon River 12-B
- (79) Upper Big Florock 11-J
- (80) Lost Creek 6-K
- (85) Windy Creek 7-Q
- (91) Splunge Creek 8-K
- (94) Gordon Creek 13-D
- (95) Birch Creek 8-K
- (96) Mario Daniels 13-O
- (97) St. Joseph of the Mound 13-B
- (98) Black Creek 6-L
- (99) Pony Creek 10-E
- (101) Clear Creek 11-E
- (102) Blood Run 7-B
- (105) Charley Creek 10-E
- RIVER BASIN BOUNDARY**



STATUS OF RIVER BASIN SURVEYS

- OHIO RIVER BASIN - TYPE I SURVEY COMPLETED (INCLUDES WABASH BASIN)
- UPPER MISSISSIPPI RIVER BASIN - TYPE I SURVEY COMPLETED (INCLUDES KANKAKEE BASIN)
- WABASH RIVER BASIN - TYPE II SURVEY COMPLETED
- GREAT LAKES BASIN - TYPE I SURVEY IN PROGRESS (INCLUDES ELKHART AND WAUVEE BASINS)
- KANKAKEE-ELKHART - TYPE II SURVEY IN PROGRESS RIVER BASIN

SOURCE
FAMILY OF MAPS SCS DRWG NO. 5, S-32, 450 (3-74)
AND INFORMATION FROM FIELD TECHNICIANS
ALBERS EQUAL AREA PROJECTION

SCALE 1/1,612,000
SCALE 10 0 10 20 30 40 50 MILES

5-30-74
S, S-34, 302

STATUS OF WATERSHED (PL-566) STRUCTURAL MEASURES

INDIANA JULY 1, 1974

PROJECTS

CONSTRUCTION COMPLETED

- (2) Elk Creek 10-N
- (3) Prairie Creek 6-N
- (8) Boggs Creek 7-H
- (8) French Lick Creek 6-D
- (20) Little Creek 6-L
- (23) Little Wea Creek 7-H
- (25) Kickapoo Creek 6-G

AUTHORIZED FOR CONSTRUCTION

- (1) Bussaron Creek 6-L
- (15) Middle Fork of Anderson River 8-P
- (18) Stucker Fork 11-N
- (31) Lost River 8-N
- (35) Prairie Creek-Vigo 5-L
- (36) Bachelor Run 6-F
- (39) Muddy Fork of Silver Creek 10-O
- (42) Little Rescon Creek 6-I
- (47) Dolaney Creek 9-N
- (48) Twin-Rush Creek 9-N
- (50) Mill Creek-Fulton Co. 9-E
- (56) Rock Creek-Walls Co. 12-F
- (58) Upper Big Blue River 11-I
- (59) Big Roconon 7-I
- (60) Little Walnut Creek 7-J
- (61) West Boggs Creek 7-N
- (68) Rock Creek-Cass Co. 9-F
- (67) Indian Creek 9-K
- (73) Pridas Creek 8-D
- (82) Fall Creek 6-H

AUTHORIZED FOR CONSTRUCTION (INACTIVE)

- (7) West Creek 5-C
- (30) Dowell Creek 8-M
- (32) Mill Creek 8-J

PLANNING COMPLETED

- (45) East Fork Whitewater River 13-I

AUTHORIZED FOR PLANNING

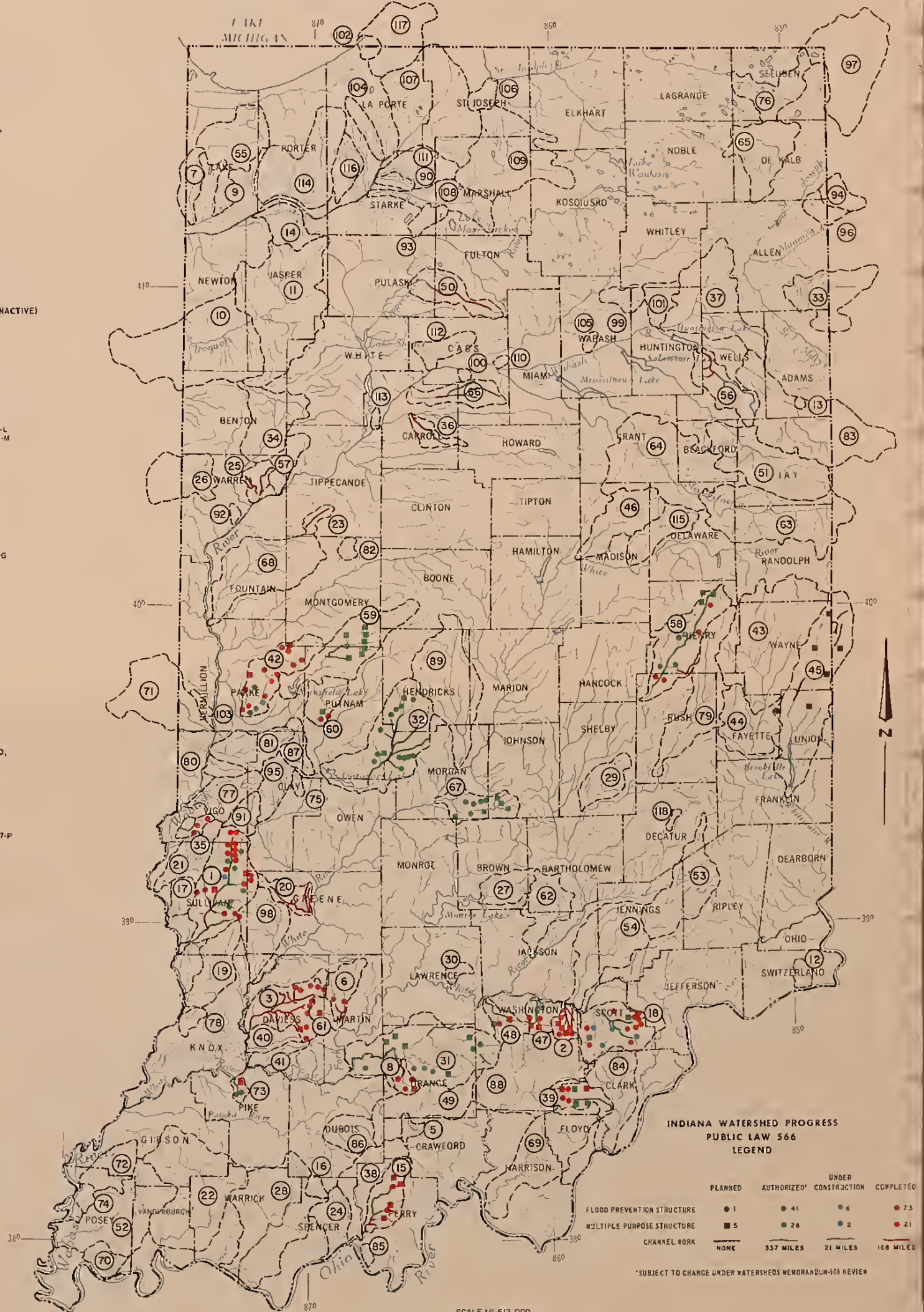
- (26) Jordan Creek 5-G
- (38) Anderson River 7-P
- (43) Upper West Fork Whitewater 12-I
- (44) Whitewater River-Fayette 12-J
- (53) Upper Vernon Fork Muscateluck 11-L
- (54) Lower Vernon Fork Muscateluck 11-M
- (59) Indian Creek-Harrison Co. 9-O
- (74) Graham Creek 4-P
- (82) Lys Creek Drain 7-H
- (86) Hall-Flat Creek 7-D
- (87) Crays Creek 6-J
- (100) Goose Creek 9-F

APPLICATION RECEIVED

- (55) Deep River 6-C
- (77) Honey Creek 8-K
- (78) Snapp-Kelso Creek 5-N
- (81) Otter Creek 8-J
- (83) Buckeye-Hoosier-Websah River 13-G
- (84) Silver Creek 10-N
- (85) Blue River 9-D
- (89) White Lick Creek 8-I
- (90) Bailey-Cox-Newton 8-C
- (93) House-Barlee Ditch 8-D
- (103) Feather Creek 5-J
- (104) Mill Creek-LaPorte County 7-B
- (105) Bowman Creek 9-B
- (107) Upper Kankakee River 8-B
- (108) Lower Yellow River 8-D
- (109) Upper Yellow River 9-C
- (110) New Waverly-Williams Creek 9-F
- (111) Robbins Wagonbed 8-C
- (112) Crooked Creek 9-E
- (113) Maxwell Ditch 7-F
- (114) Porter County-Kankakee River 8-C
- (115) Killbuck Creek 11-H
- (118) Machler Ditch 7-C
- (117) Gallon River 8-B
- (118) Gas Creek 11-K

APPLICATION INACTIVE, TERMINATED, UNFEASIBLE, OR SUSPENDED

- (5) Little Patoka Creek 8-D
- (9) Spring Run-Gilead 8-D
- (10) Lower Iroquois River 5-E
- (11) Upper Iroquois River 8-E
- (12) Log Lick Creek 13-M
- (13) Long-Amstutz Ditch 13-F
- (14) Barnard Ditch 6-D
- (18) North Fork of Little Pipeon Creek 7-P
- (17) Turtle Creek 5-L
- (19) Mariah Creek 8-M
- (21) Tuman Creek 5-L
- (22) Pigeon Creek 5-P
- (24) Crooked Creek 7-P
- (27) Middle Fork of Salt Creek 9-L
- (28) Little Pigeon Creek 8-P
- (29) Lewis Creek 10-K
- (33) Flat Rock Creek 13-E
- (34) Big Pine Creek 8-G
- (37) Little River 12-E
- (40) Veale Creek 8-N
- (41) Alkman Creek 8-N
- (48) Pipe Creek 11-G
- (49) Upper Patoka River 6-O
- (51) Solomon River 12-G
- (52) Big Creek 4-P
- (57) Little Pine Creek 6-G
- (62) White Creek 10-L
- (63) Upper Missisquoi River 12-H
- (64) Lower Missisquoi River 11-G
- (85) Cedar Creek 12-C
- (68) Coal Creek 6-H
- (70) Casselberry Creek 4-Q
- (71) Brouillette Creek 5-J
- (72) Black River 4-P
- (75) McInyre Creek 7-K
- (76) Pigeon River 12-B
- (79) Upper Big Flatrock 11-J
- (80) Lost Creek 6-K
- (85) Windy Creek 7-Q
- (81) Splunge Creek 6-K
- (94) Gordon Creek 13-D
- (95) Birch Creek 8-K
- (86) Marle Dalome 13-D
- (97) St. Joseph of the Maume 13-B
- (98) Block Creek 6-L
- (89) Pony Creek 10-E
- (101) Clear Creek 11-E
- (102) Blood Run 7-B
- (105) Charley Creek 10-E



INDIANA WATERSHED PROGRESS
PUBLIC LAW 566
LEGEND

	PLANNED	AUTHORIZED	UNDER CONSTRUCTION	COMPLETED
FLOOD PREVENTION STRUCTURE	● 1	● 41	● 6	● 73
MULTIPLE PURPOSE STRUCTURE	■ 5	■ 26	■ 2	■ 21
CHANNEL WORK	— NONE	— 337 MILES	— 21 MILES	— 168 MILES

*SUBJECT TO CHANGE UNDER WATERSHEDS MEMORANDUM-100 REVIEW



SOURCE:
FAMILY OF MAPS SCS DRWG. NO. 5, S-32, 450 (3-74)
AND INFORMATION FROM FIELD TECHNICIANS.
ALBERS EQUAL AREA PROJECTION
U.S.G.C. LINCOLN 1983 1:100,000

SCALE 1/1,612,000
SCALE 10 0 10 20 30 40 50 MILES

7-17-74
5, S-34, 455

Status as of June 30, 1974

Appl. No.	Watershed Name	Location (County)(ies)	Tributary Cf	size (Ac.)	Application Approved	Conservancy District Organized	Preliminary Investigation Completed	Authorized for Planning	Authorized for Operations	Structural Measures						EIS (1,2,3)	Remarks and Notes
										Planned			Completed				
										SP	MP	Other	SP	MP	Other		
(41)	Aikman Ck.	Daviness	E. Fk. White Rvr.	20,783	5/61	--	10/62	11/62	--	--	--	--	--	--	--	Planning assistance terminated	
(38)	Anderson Rvr.	Perry, Dubois, Spencer & Crawford	Ohio Rvr.	97,174	9/60	1/68	8/67	10/67	--	--	--	--	--	2	2	Planning underway	
(36)	Bachelor Run	Carroll & Howard	Deer Ck.	23,519	5/60	8/64	11/61	4/62	4/64	2*	20.6 mi. Ch. & 1 pump sta.	2*	10.7 mi. Ch. & 1 pump sta.	1	1	Est. Comp. FY76	
(90)	Bailey-Cox-Newton	Starke	Kankakee Rvr.	11,500	8/67	10/72	2/69	--	--	--	--	--	--	1	1	PI underway	
(14)	Barnard Ditch	Jasper	Kankakee Rvr.	54,476	10/58	--	3/63	--	--	--	--	--	--	--	--	Appl. canceled	
(52)	Big Creek	Gibson, Posey, & Vanderburgh	Wabash Rvr.	162,796	8/62	--	4/64	--	--	--	--	--	--	--	--	Inactive status	
(34)	Big Pine	White, Benton, & Warren	Wabash Rvr.	112,000	5/60	--	4/63	--	--	--	--	--	--	--	--	Appl. canceled	
(59)	Big Raccoon Ck.	Montgomery, Putnam, Boone, Parke & Hendricks	Wabash Rvr.	133,120	12/62	8/66	4/64	5/65	4/69	2	14.8 mi. Ch. & 4 Pub. access sites	0	2	1	1	Court decision to dissolve CD pending	
(95)	Birch Ck.	Clay	Eel Rvr.	42,880	5/68	--	--	--	--	--	--	--	--	--	--	Inactive status	
(98)	Black Ck.	Greene, Knox, & Sullivan	W. Fk. White Rvr.	89,472	11/68	--	1/72	--	--	--	--	--	--	--	--	Unfeasible under PL-566	
(72)	Black Rvr.	Gibson & Posey	Wabash Rvr.	60,000	11/63	--	1971	--	--	--	--	--	--	--	--	Inactive status	
(102)	Blood Run	LaPorte, IN & Berrien, MI.	Gallen Rvr.	4,400	10/69	--	--	--	--	--	--	--	--	--	--	Unfeasible under PL-566	
(88)	Blue River	Washington, Harrison, Floyd & Clark	Ohio Rvr.	125,000	11/66	--	--	--	--	--	--	--	--	1	1	To be serviced	
(6)	Boggs Ck.	Martin & Daviness	E. Fk. White Rvr.	20,800	7/55 (see remarks)	--	11/56	8/59	2	2	8.2 mi. Ch.	2	8.2 mi. Ch.	2	2	Project comp. 7/64 - tot. cost \$700,788 Sponsor Boggs Ck. Maint Dist.	

*2 Grade Stabilization Structures

Appl. No.	Watershed Name	Location (County/ties)	Tributary c.f.	size (Ac.)	Application Approved	Conservancy District	Preliminary Investigation Completed	Authorized for Planning	Authorized for Operations	Structural Measures			EIS (1.2.3)	Remarks and Notes	
										Planned	Completed	Other			SP
(106)	Bowman Ck.	St. Joseph	St. Joseph Rvr.	12,704	7/70	--	--	--	--	--	--	--	1	To be serviced	
(71)	Brouillets Ck.	Vermillion & Vigo, IN, & Vermillion & Edgar, IL	Wabash Rvr.	196,500	11/63	--	--	--	--	--	--	--	--	--	Unfeasible under PL-566
(83)	Buckeye-Hoosier-Wabash	Wells, Adams & Jay, IN, & Mercer, OH	Wabash Rvr.	245,000	9/65	--	--	--	--	--	--	--	1	To be serviced	
(1)	Busseron Ck.	Sullivan, Clay, Greene, & Vigo	Wabash Rvr.	153,280	9/54	3/60	1/55	8/58	24	2	52.9 mi. Ch. & 4.6 mi. levees	17	2	8.8 mi. Ch. & 2 Rec. Fac.	*Est. comp. FY77
(70)	Casselberry Ck.	Posey	Ohio Rvr.	28,800	7/63	--	--	--	--	--	--	--	--	--	Inactive status
(65)	Cedar Ck.	DeKalb & Noble	St. Joseph Rvr.	102,700	4/63	--	--	--	--	--	--	--	--	--	Inactive status
(105)	Charley Ck.	Wabash	Wabash Rvr.	4,000	7/70	--	--	--	--	--	--	--	--	--	Inactive status
(101)	Clear Ck.	Huntington & Whitley	Wabash Rvr.	35,320	5/69	--	--	--	--	--	--	--	--	--	Inactive status
(68)	Coal Ck.	Fountain, Parke, & Montgomery	Wabash Rvr.	169,742	7/63	--	--	--	--	--	--	--	--	--	Inactive status
(24)	Crooked Ck.	Spencer	Ohio Rvr.	55,000	3/59	--	12/61	--	--	--	--	--	--	--	Appl. suspended
(112)	Crooked Ck.	Cass	Wabash Rvr.	40,000	11/70	--	--	--	--	--	--	--	--	--	To be serviced
(87)	Croys Ck.	Clay, Putnam, & Parke	Eel Rvr.	25,406	4/66	12/70	10/69	8/71	--	--	--	--	2	Planning under-way	
(55)	Deep Rvr.	Lake & Porter	Little Calumet & Burns Ditch	93,500	12/62	--	--	--	--	--	--	--	1	Temporarily inactive	
(47)	DeLaney Ck.	Washington	Muscatatuck Rvr.	21,905	9/61	6/64	10/63	2/64	4/69	2	3	8.5 mi. Ch 2 1 Rec Fac & 5 mi. levees	2	0	*Est. comp. FY75

*Supplement underway to meet requirements of Watersheds Memorandum-108

Appl. No.	Watershed Name	Location (County/ies)	Tributary cf	Size (Ac.)	Application Approved	Conservancy District Organized	Preliminary Investigation Completed	Authorized for Planning	Authorized for Operations	Structural Measures						Remarks and Notes			
										Planned		Completed		EIS (1,2,3)	Other		Other	Other	Other
										SP	MP	SP	MP						
(30)	Dewitt Ck.	Lawrence	Guthrie Ck.	9,000	10/59	--	5/62	8/62	6/63	--	--	--	--	--	Inactive status				
(2)	Elk Ck.	Washington	Muscatauck Rvr.	18,020	9/54	6/58	--	1/55	7/57	3	4	14 mi. Ch	3	4	14 mi. Ch	Proj. comp. FY65 Tot. cost - \$857,239			
(92)	Fall Ck.	Warren	Wabash Rvr.	4,850	2/68	see remarks	1/71	1/71	9/73	--	0	0	--	0	0	Sponsored by Williamsport Pk & Rec Bd - Est. comp. - FY77			
(103)	Feather Ck.	Vermillion	Wabash Rvr.	6,200	10/69											PI underway			
(33)	Flat Rock Ck.	Allen & Adams, IN, & Van Wert & Paulding, OH	Auglaize Rvr. OH	128,000	5/60	11/66	2/66	1/66	--	--	--	--	--	--	--	Planning terminated 2/74			
(8)	French Lick Ck.	Orange	Lost Rivr	21,880	5/56	3/60	2/59	11/56	7/60	3	1	5.09 mi. Ch	3	1	5.09 mi. Ch	Proj. comp. FY67 Tot. cost - \$1,082,114			
(117)	Galien Rvr.	LaPorte & St. Joseph, IN & Berrien, MI		111,714	6/72	--	--	--	--	--	--	--	--	--	--	Planning by MI			
(118)	Gas Ck.	Decatur	Sandcreek	2,801	6/72											PI underway			
(100)	Goose Ck.	Cass	Wabash Rvr.	2,574	3/69		2/72	10/72								Planning underway			
(94)	Gordon Ck.	Dekalb, IN Paulding & Defiance, OH	Maumee Rvr. OH	28,224	3/68	--	--	--	--	--	--	--	--	--	--	Planning by OH			
(74)	Gresham Ck.	Posey	Wabash Rvr.	10,145	1/64		5/65	7/65								Planning underway			
(86)	Hall-Flat Ck.	Dubois	Patoka Rvr.	43,385	2/66	12/68	10/67	2/70								Planning underway			
(77)	Honey Ck.	Vigo & Clay	Wabash Rvr.	61,151	3/65											To be serviced			
(93)	House-Bartee	Starke, Marshall & Pulaski	Tippecanoe Rvr.	23,700	2/68											To be serviced			
(67)	Indian Ck.	Crown, Morgan Johnson, & Monroe	W. Fk. White Rvr.	59,160	4/63	see remarks	12/63	4/64	8/66	8	2	2 basic Fac.	0	0	0	CD in formation stage			

Appl. No.	Watershed Name	Location (County/Ties)	Tributary of	Size (Ac.)	Application Approved	Conservancy District Organized	Investigatory Completed	Authorized for Planning	Authorized for Operations	Structural Measures			EIS (1.2.3)	Remarks and Notes	
										Planned	Completed	Other			
								SP	MP	Other	SP	TIP	Other		
(69)	Indian Ck.	Harrison, Floyd, & Clark	Ohio Rvr.	163,077	7/63	12/68	10/65	11/65						1	Planning inactive
(11)	Upper Iroquois Rvr.	Jasper, White, Newton, & Benton	Kankakee Rvr.	233,982	9/57	6/60	4/60	8/60	--	--	--	--	--	--	Planning assistance terminated
(10)	Lower Iroquois Rvr.	Newton Benton, & Iroquois, IL	Kankakee Rvr.	228,152	9/57	6/60	4/60	8/60	--	--	--	--	--	--	Planning assistance terminated
(26)	Jordan Ck.	Warren, IN & Vermillion, IL	Vermillion Rvr., IL	79,000	5/64	2/69	9/67	4/69						2	Planning underway
(114)	Porter Co. Kankakee	Porter, Lake, & LaPorte	Kankakee Rvr.	151,570	1/71				--	--	9.3 mi. Ch			1	To be serviced
(107)	Upper Kankakee Rvr.	St. Joseph, LaPorte, Marshall, Starke, IN, & Berrien, MI	Kankakee Rvr.	234,287	7/70									1	To be serviced
(25)	Kickapoo Ck.	Warren	Wabash Rvr.	24,700	4/59	11/64	11/62	1/63	10/63	--	9.3 mi. Ch			--	Const. comp. FY72 Cost - \$774,127
(115)	Killbuck Ck.	Delaware & Madison	M. Fk. White Rvr.	66,560	1/71									1	To be serviced
(20)	Lattas Ck.	Greene	M. Fk. White Rvr.	35,780	1/59	6/63	9/61	12/61	9/62	--	22.4 mi. Ch. & 6.9 mi. levees			--	Proj. comp. FY72 Tot. Cost - \$1,763,886 (PL-566 - \$1,255,886; Other - \$508,000)
(29)	Lewis Ck.	Shelby	Big Flat Rock Ck.	46,000	7/59	--	8/61	--	--	--	--	--	--	--	Appl. canceled
(5)	Little Patoka Ck.	Crawford & Orange	Patoka Rvr.	14,240	6/55	--	9/56	--	--	--	--	--	--	--	Appl. canceled
(49)	Upper Patoka Rvr.	Crawford, Orange & Dubois	Wabash Rvr.	175,360	6/62	--	11/63	--	--	--	--	--	--	--	Appl. canceled

Appl. No.	Watershed Name	Location (County/ies)	Tributary of	Size (Ac.)	Application Approved	Conservancy District Organized	Preliminary Investigation Completed	Authorized for Planning	Authorized for Operations	Structural Measures				EIS (1,2,3)	Remarks and Notes	
										Planned		Completed				
										SP	MP	Other	SP			MP
(28)	Little Pigeon Ck.	Warrick	Ohio Rvr.	230,000	7/59	--	--	--	--	--	--	--	--	Appl. canceled		
(16)	N. Fk. Little Pigeon	Spencer & Warrick	Little Pigeon Rvr.	17,500	10/58	--	--	--	--	--	--	--	--	Appl. canceled		
(57)	Little Pine Ck.	Tiptecanoe Warren & Benton	Wabash Rvr.	34,000	12/62	--	--	--	--	--	--	--	--	Appl. canceled		
(42)	Little Raccoon Ck.	Montgomery, Parke & Putnam	Big Raccoon Ck.	98,306	7/61	5/65	6/62	8/63	9/65	14	3	2 Rec Fac & 43 mi. Ch.	2	2 Rec Fac	1 Est. comp. FY75	
(37)	Little Rvr.	Huntington Allen, Wells, & Whitley	Wabash Rvr.	183,600	10/60	--	6/63	9/63	--	--	--	--	--	--	Planning terminated	
(60)	Little Walnut Ck.	Putnam & Parke	Big Walnut Rvr.	41,225	12/62	2/67	7/65	12/66	4/69	2	1	1 Rec Fac	0	0	1 Est. comp. FY75	
(23)	Little Wea	Tiptecanoe & Montgomery	Big Wea Ck.	11,960	3/59	1/63	12/61	3/62	9/62	--	--	8.6 mi. Ch.	--	Same as planned	Proj. comp. FY67 Tot. cost - \$382,314	
(12)	Log Lick Ck.	Switzerland	Ohio Rvr.	15,000	2/58	--	--	--	--	--	--	--	--	--	Unfeasible under PL-566	
(13)	Long-Amstutz Ditch	Adams	Wabash Rvr.	3,200	10/58	--	--	--	--	--	--	--	--	--	Appl. canceled	
(80)	Lost Ck.	Vigo	Wabash Rvr.	17,100	6/65	--	--	--	--	--	--	--	--	--	Inactive status	
(31)	Lost River	Orange, Martin Washington, Lawrence & Dubois	E. Fk. White Rvr.	233,690	5/60	10/66	7/63	1/66	9/70	6	4	44 mi. Ch.	0	0	3* **	
(82)	Lye Ck. Drain	Montgomery	Lye Ck.	12,900	6/65	6/68	11/71	--	--	--	--	--	--	--	2 Planning will be complete by 1/75	
(116)	Machler Ditch	LaPorte	Kankakee Rvr	36,400	1/72	--	--	--	--	--	--	--	--	--	1 To be serviced	
(19)	Mariah Ck.	Knox & Sullivan	Wabash Rvr.	55,000	12/58	--	--	--	--	--	--	--	--	--	Inactive status	
(96)	Marie DeLarme	Allen, DeKalb, IN & Defiance & Pauldin, OH	Maumee Rvr.	17,728	10/68	--	--	--	--	--	--	--	--	--	--	Planning by OH inactive

*EIS completed but being revised
 **Work plan being reformulated to conform with official district plan and to reassess environmental impact.

Appl. No.	Watershed Name	Location (County(ies))	Tributary	Size (Ac.)	Application Approved	Conservancy District Organized	Preliminary Investigation Completed	Authorized for Planning	Authorized for Operations	Structural Measures			EIS (1,2,3)	Remarks and Notes				
										Planned		Completed						
										SP	MP	Other			SP	MP	Other	
(113)	Maxwell Drain	Carroll & Tippecanoe	Wabash Rvr.	5,500	1/71								1	To be serviced				
(75)	McIntyre Ck.	Clay	Eel River	7,000	5/64										Inactive status			
(15)	Middle Fork Anderson Rvr.	Perry & Crawford	Ohio Rvr.	69,400	10/58	12/59	10/58	3/59	8/61	2	4	34.4 mi. Ch.	2	4	8.1 mi. Ch.	2	*Est. comp. FY75	
(27)	Middle Fk. Salt Ck.	Brown & Bartholomew	Salt Ck.	46,000	7/59	--	--	--	--	--	--	--	--	--	--	--	Unfeasible under PL-566	
(32)	Mill Ck.	Hendricks, Morgan, Owen, & Putnam	Eel Rvr.	187,136	5/60	4/67	7/62	10/62	10/65	12	2	52 mi. Ch.	--	--	--	--	Inactive list - 3/74	
(50)	Mill Ck-Fulton	Fulton & Pulaski	Tippecanoe Rvr.	34,080	6/62	12/65	11/63	2/64	4/65	--	--	16.3 mi. Ch.	--	--	Same as planned	--	Str. measures complete Land treatment measures continuing	
(104)	Mill Ck-LaPorte	LaPorte	Kankakee Rvr	34,000	10/69												To be serviced	
(63)	Upper Mississinewa	Delaware, Jay & Randolph, IN & Darke, OH	Wabash Rvr.	218,500	4/63												Inactive status	
(64)	Lower Mississinewa	Grant, Jay Delaware, & Blackford	Wabash Rvr.	225,815	4/63												Inactive status	
(39)	Muddy Fk. Silver Ck.	Clark, Floyd, & Washington	Silver Ck.	42,642	5/61	8/65	9/62	1/63	8/65	3	4	1 Rec Fac, 3 1 M&I Out-let Fac, & 12.5 mi. Ch	1	0		2	*Est. comp. FY78	
(110)	New Maverly-Williams Ck.	Cass	Wabash Rvr.	3,053	9/70												1	To be serviced
(81)	Otter Ck.	Vigo, Clay & Parke	Wabash Rvr.	82,160	6/65		7/70										1	To be serviced
(22)	Pigeon Ck.	Vanderburgh, Warrick, & Gibson	Ohio Rvr.	230,000	4/59		3/64											Inactive status
(76)	Pigeon Rvr.	Steuben	St. Joseph Rvr.	81,390	10/64	7/69	12/67											Inactive status

*Supplement underway to meet requirements of Watersheds Memorandum-108.

Appl. No.	Watershed Name	Location (County/Ties)	Tributary cf	Size (Ac.)	Application Approved	Conservancy District Organized	Preliminary Investigation Completed	Authorized for Planning	Authorized for Operations	Structural Measures			EIS (1,2,3)	Remarks and Notes	
										Planned		Completed			
										SP	MP	SP			MP
(46)	Pipe Ck.	Madison, Delaware & Hamilton	W. Fk. White Rvr.	85,000	9/61	--	4/64	--	--	--	--	--	Unfeasible under PL-566		
(99)	Pony Ck.	Huntington, Wabash & Whitley	Eel Rvr.	21,500	1/69	--	--	--	--	--	--	--	Inactive status		
(3)	Prairie Ck.	Daviess & Martin	E. Fk. White Rvr.	88,690	9/54	2/59	3/56	10/55	5/58	10 1	Same as planned	--	Proj. comp. FY70 Tot. cost - \$4,663,489		
(35)	Prairie Ck. Vigo	Vigo	Wabash Rvr.	19,095	5/60	12/64	8/62	10/62	8/64	3 --	4.9 mi. Ch 3	0	**Est. comp. FY76		
(73)	Prides Ck.	Pike	White Rvr.	9,213	11/63	8/65	7/64	10/64	10/66	2 1	1 Rec Fac & 6.2 mi. Ch.	1 1 Rec Fac	1 Questionable future because of surface mining		
(111)	Robbins	Starke, St. Joseph, LaPorte, & Marshall	Kankakee Rvr	58,680	11/70	--	--	--	--	--	--	--	1 To be serviced		
(66)	Rock Ck-Cass	Cass & Carroll	Wabash Rvr.	56,530	4/63	9/67	4/67	7/67	7/69	-- --	18.4 mi. Ch.	--	2 **Est. comp. FY80		
(56)	Rock Ck-Wellis	Wellis & Huntington	Wabash Rvr.	61,020	12/62	3/66	10/65	1/66	3/67	-- --	26.3 mi. Ch.	--	--	Est. comp. FY75. Last segment under const.	
(97)	St. Joseph of the Maumee	Steuben, IN Williams, OH, Branch & Hillsdale, MI	Maumee Rvr.	249,000	10/68	--	--	--	--	--	--	--	--	Planning by MI inactive	
(51)	Salamonie Rvr.	Jay, Wellis & Blackford	Wabash Rvr.	162,378	8/65	--	3/65	2/67	--	--	--	--	--	Planning assistance suspended	
(84)	Silver Ck.	Clark, Floyd, & Scott	Ohio Rvr.	97,800	1/65	3/72	--	--	--	--	--	--	1	To be serviced	
(78)	Snapp-Kelso	Knox	Wabash Rvr.	16,000	4/65	--	--	--	--	--	--	--	1	To be serviced	
(91)	Splunge Ck.	Vigo & Clay	Eel Rvr.	27,570	9/68	--	--	--	--	--	--	--	--	Inactive status	
(9)	Spring-Run-Griese	Lake	Singleton Ditch	18,500	7/57	--	--	--	--	--	--	--	--	Appl. canceled	

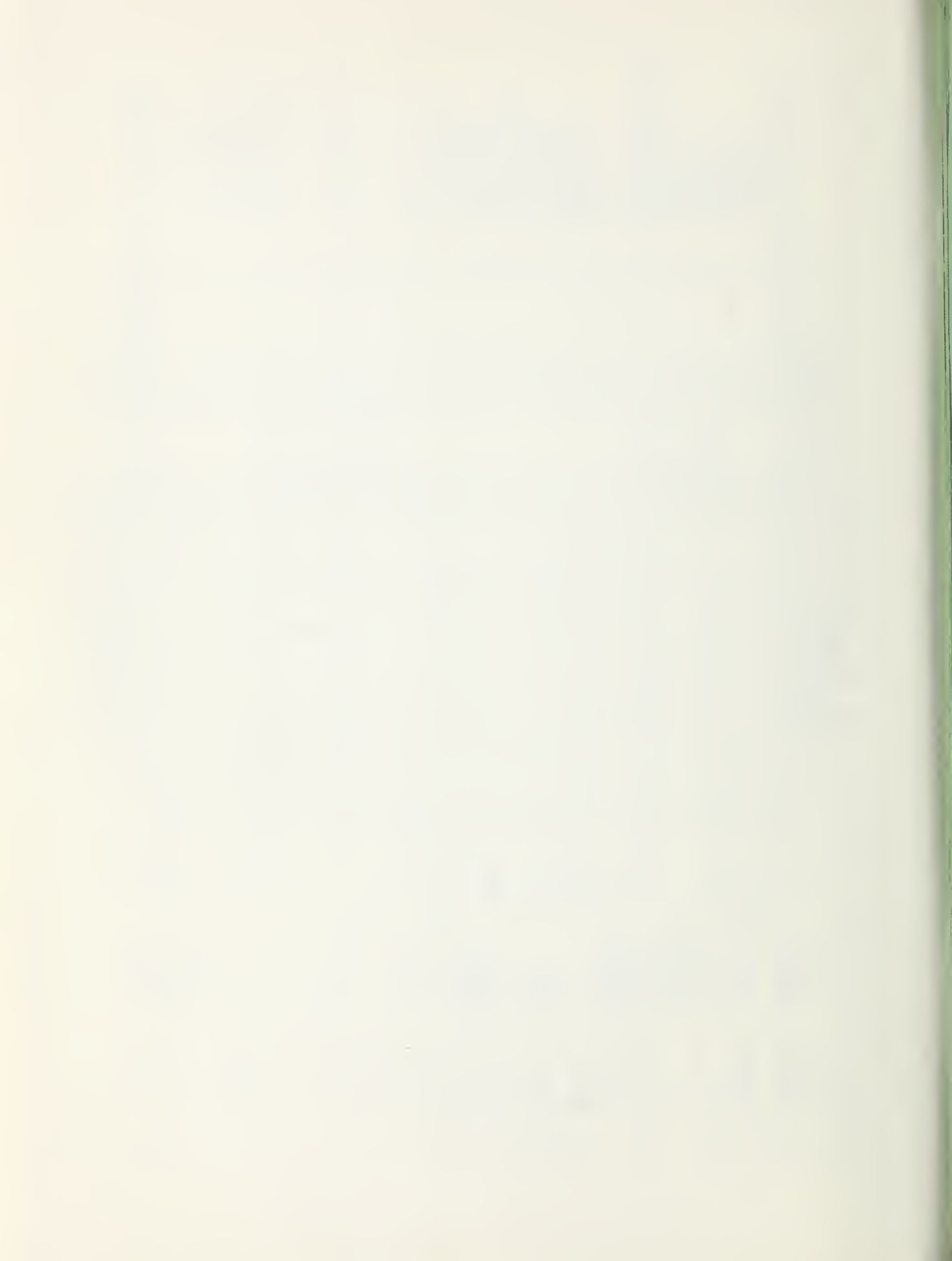
*Plus 10 Grade Stab. Structures

**Supplement underway to meet requirements of Watersheds Memorandum-108

Appl. No.	Watershed Name	Location (County)ies)	Tributary of	Size (Ac.)	Application Approved	Conservancy District Organized	Preliminary Investigation Completed	Authorized for Planning		Authorized for Operations		Structural Measures			EIS (1,2,3)	Remarks and Notes				
								9/62	6/61	9/62	14 2	SP	MP	Other			Completed	SP	MP	Other
(18)	Stucker Fk.	Scott, Clark, Jefferson & Washington	Muscatatuck Rvr.	117,850	1/59	4/64	12/60	6/61	9/62	14 2	25.6 mi. Ch.	10 0	3.5 mi. Ch.	2	*Est. comp. FY77					
(21)	Turman Ck.	Sullivan	Wabash Rvr.	70,000	1/59	--	--	--	--	--	--	--	--	--	Appl. canceled					
(17)	Turtle Ck.	Sullivan	Wabash Rvr.	24,540	12/58	--	7/65	11/65	--	--	--	--	--	--	Planning terminated					
(48)	Twin-Rush Ck.	Washington	E. Fk. White Rvr.	28,099	6/62	8/64	12/63	2/64	4/65	1 2	1 Rec Fac & 10.4 mi. Ch.	1 1	0	2	*Est. Comp. FY75					
(58)	Upper Big Blue Rvr.	Henry & Rush	E. Fk. White Rvr.	124,000	12/62	3/65	11/65	2/64	8/66	7 4	32.8 mi. Ch. & 2 Rec Fac	4 0	7.5 mi. Ch	2	*Est. comp FY80					
(79)	Upper Big Flat Rock	Rush, Henry & Fayette	E. Fk. White Rvr.	135,000	5/65										Inactive status					
(53)	Upper Vernon Fk.	Decatur, Ripley & Jennings	Muscatatuck Rvr.	125,444	9/62	10/67	1/66	5/66							ICD dissolved by court order 6/74. Sponsors have been contacted about possible future of projects (Upper & Lower).					
(54)	Lower Vernon Fk.	Jackson & Jennings	Muscatatuck Rvr.	139,005	9/62	10/67	1/66	7/66							← Sponsors have been contacted about possible future of projects (Upper & Lower).					
(40)	Veale Ck.	Daviess	W. Fk. White Rvr.	24,516	5/61	--	6/65	8/65	--	--	--	--	--	--	Planning auth. terminated					
(7)	West Ck.	Lake, IN; Wells & Kankakee, IL	Singleton Ditch	36,086	4/56	12/63	11/56	11/56	12/59	--	--	--	--	--	Inactive list 3/68					
(61)	W. Boggs Ck.	Daviess & Martin	Boggs Ck.	14,030	2/63	see remarks	6/65	8/65	10/66	-- 1	1 Rec. Fac. & 4 mi. Ch	-- 1	0	1	Spons. by Joint Daviess-Martin Park Bd. & Boggs Ck. Maint. Dist. Est. comp. FY76					
(62)	White Ck.	Jackson, Brown & Bartholomew	E. Fk. White Rvr.	64,360	3/63										Currently inactive					
(89)	White Lick Ck.	Boone, Morgan, Marion & Hendricks	W. Fk. White Rvr.	182,503	5/67									1	To be serviced					

*Supplement underway to meet requirements of Watersheds Memorandum-108.

App'l. No.	Watershed Name	Location (County(ies))	Tributary cf	Size (Ac.)	Application Approved	Conservancy District Organized	Preliminary Investigation Completed	Authorized for Planning	Authorized for Operations	Structural Measures				EIS (1,2,3)	Remarks and Notes
										Planned	Completed	Other	Other		
								SP	MP	Other	SP	MP	Other		
(44)	Whitewater Rvr-Fayette	Fayette	Miami Rvr, OH	134,160	10/61	8/68	2/66	9/68						2	Planning under way
(45)	E. Fk. Whitewater Rvr.	Wayne, Union, Fayette, Randolph & Frank- lin, IN & Darke & Preble, OH	Miami Rvr. OH	246,900	10/61	8/68	2/64	12/67	1	5	1 Ch. Rec Dev. & 19.6 mi. Ch			3	Awaiting Congressional approval
(43)	Upper M. Fk. Whitewater Rvr.	Fayette, Randolph, Wayne, & Henry	Miami Rvr. OH	243,490	10/61	8/68	2/66	4/68						2	Planning under way
(85)	Windy Ck.	Perry	Ohio Rvr.	5,920	11/65	--	--	--	--	--	--	--	--	--	Unfeasible under PL-566
(108)	Lower Yellow Rvr.	Starke & Marshall	Kankakee Rvr.	87,452	9/70									1	To be serviced
(109)	Upper Yellow Rvr.	Marshall, St. Joseph & Kosciusko	Kankakee Rvr.	185,300	9/70									1	To be serviced



BACHELOR RUN CREEK PROJECT CARROLL AND HOWARD COUNTIES

The Project in Brief. Authorized - April 24, 1964. Estimated completion - in the fiscal year 1976. Area - 23,519 acres. Sponsors - Bachelor Run Conservancy District and Carroll County Soil and Water Conservation District. Estimated total cost - \$869,516 (\$460,139 PL-566 and \$409,377 Other). Principal problems - floodwater and detrimental effects of excess water on the surface and internal drainage of agricultural land, and flooding in the Town of Flora. Landownership and use - 60 percent owner-operated; 40 percent tenant-operated; 21,000 acres cropland, 600 acres grassland, and 1,000 acres woodland.

Progress in Land Treatment. Landowners involved - 218 farms, of which 170 are cooperators with the Carroll County and Howard County Soil and Water Conservation Districts; 158 have basic conservation plans. Emphasis during the past five years has been on planning and applying group projects. The application of group land treatment work has been dependent on securing an adequate drainage outlet which is being provided by the main channel reconstruction. Installation of six group projects involving nearly 80 agricultural landowners and about 50 urban landowners, has been completed during the past four years. Estimated cost of land treatment - \$281,916, of which \$40,037 is for technical assistance.

Progress in Structural Measures. The first unit of construction was completed in October 1968 (4.1 miles of channel work). To date, 10.7 miles of channel work, two grade stabilization structures, a pumping plant, and 2,000 feet of open channel have been completed. Construction has started on the next 2.8 miles of channel work. Total structural measures include the two grade stabilization structures, the pumping plant, 2,000 feet of open channel, and 20.6 miles of channel work. Estimated cost of structural measures - \$587,600 (\$424,534 PL-566 and \$163,066 Other).

Progress in Obtaining Easements and Rights-of-Way. The Bachelor Run Conservancy District has obtained easements needed for the next unit of work (2.8 miles of channel work). The District plans to begin acquiring easements for the remaining 7.1 miles of channel work during the fall of 1974.

Effectiveness of Project Proved. The channel work completed to date has effectively contained all storm flows. This includes storms of up to 4 inches of rainfall which have occurred over the watershed. The completed channel has also provided an adequate outlet for the storm sewers of the Town of Flora and for several other previously poorly drained areas. Little flooding has occurred in these areas since the channel was reconstructed. The amount of wildlife has increased and wildlife habitat has improved since the channel work was completed.

BIG RACCOON CREEK PROJECT MONTGOMERY, PUTNAM, BOONE, PARKE, AND HENDRICKS COUNTIES

The Project in Brief. Authorized - April 1, 1969. Estimated completion - in the fiscal year 1978. Area - 133,120 acres. Sponsors - Montgomery, Putnam, Parke, and Boone Soil and Water Conservation Districts, and Big Raccoon Creek Conservancy District. Estimated total cost - \$4,601,359 (\$1,835,617 PL-566 and \$2,765,742 Other). Principal problems - flooding damages to crops, pastures, roads and bridges, urban properties, and flood plain land. A large storm causes flooding of up to 4,840 acres. Landownership and use - privately-owned except for Mansfield Reservoir (Corps of Engineers structure in the watershed area), which has 5,115 acres of federally-owned land, and Raccoon Creek recreational area which has 200 acres of state-owned land; 95,086 acres cropland, 20,235 acres grassland, 13,998 acres woodland, and 3,801 acres Other.

Progress in Land Treatment. Landowners involved - 800 farms averaging 166 acres; 48 percent landowners are now district cooperators and 37 percent of landowners have basic conservation plans. An estimated 49 percent of necessary land treatment has been accomplished. Planned land treatment measures include conservation cropping systems, grassed waterways, ponds, grade stabilization structures, diversions, crop residue use, pasture planting, woodland protection, and installation of open and closed drains. Estimated cost of land treatment - \$4,165,595, of which \$472,226 is for technical assistance and soil survey.

Progress in Structural Measures. Planned structural measures are 6 multiple-purpose structures for flood prevention and public recreation, 1 single-purpose fish and wildlife structure, 1 single-purpose flood prevention structure, 2.3 miles of single-purpose channel work for flood prevention, 12.5 miles of single-purpose fish and wildlife channel work and 4 access sites for fishing and boating. Estimated cost of structural measures - \$2,435,764 (\$1,427,942 PL-566 and \$1,007,822 Other). Two public access sites have been developed and are in public use.

Progress in Obtaining Easements and Rights-of-Way. The conservancy district was established by the Putnam County Circuit Court on August 11, 1966. The conservancy district plan was approved by the court on November 5, 1969. Land rights maps have been prepared by the Soil Conservation Service for 4 multiple-purpose structures and 2 stream access sites. The conservancy district has received \$105,000 in loan funds from the Indiana Natural Resources Commission revolving fund. The conservancy district has acquired some of the easements for the first structure (LR-1). Opposition to the conservancy district and the watershed plan developed. Court action by the opposition was initiated to dissolve the conservancy district; a final decision is pending. No effort is being made by the conservancy district directors to acquire land rights.

BUSSERON PROJECT SULLIVAN, VIGO, CLAY, AND GREENE COUNTIES

The Project in Brief. Authorized - June 1958. Estimated completion - in the fiscal year 1977. Area - 153,000 acres (all privately-owned except approximately 1,726 acres state-owned in Shakamak Park and 1,177 acres in Sullivan County Park and Lake). Sponsors - Sullivan, Clay, Greene and Vigo County Soil and Water Conservation Districts, Indiana Department of Natural Resources, Busseron Conservancy District, and Sullivan County Park and Recreation Board. Estimated cost - \$9,598,468 (\$4,960,410 PL-566 and \$4,638,058 Other). Principal problems - floodwater and sediment damage to agricultural lands, state and county roads and bridges, utilities, and pollution from strip mines. Landownership and use - 11.9 percent tenant-operated; 82,940 acres cropland - 54.1 percent, 20,470 acres grassland - 13.4 percent, 18,190 acres woodland - 11.8 percent, 7,230 acres idle - 4.2 percent, 24,450 acres miscellaneous - 16 percent (includes extensive strip mine areas).

Progress in Land Treatment. Approximately 450 farms in watershed. Goal for district cooperators has been exceeded. Completion of conservation plans is in line with planned accomplishments. The goals for terracing and tiling have been achieved. Progress in agronomic practices is being made. Progress is also being made in erosion control practices.

Progress in Structural Measures. Nineteen of the planned 26 structures have been completed at a PL-566 cost of \$1,397,210. Two were multiple-purpose recreation and flood control structures. Expansion of recreation facilities on both multiple-purpose structures are planned for this year. Forty-seven additional camp sites are planned to be installed at Lake Sullivan this year. Of the planned 53 miles of channel, 8.8 miles have been completed at a PL-566 cost of \$65,294. Another single purpose structure is now under construction (J-1) and the conservancy district plans to let a contract on another single purpose structure (F-1) in the near future.

Progress in Obtaining Easements and Rights-of-Way. The total cost of land easements and rights-of-way for the 19 completed structures, 2 recreation facilities and 8.8 miles of channel was \$566,991, of which \$231,294 was PL-566. A Farmers Home Administration loan docket for long-range financing has been funded. Part of the first phase of this loan in the amount of \$158,200 is being used by the conservancy district to obtain land rights on structure F-1.

Effectiveness of Project Proved. This past winter and spring the rainfall was higher than normal in the watershed area. The 19 installed structures helped control flooding that would have otherwise occurred. After the heavy rains fell, clear water was noted to run from many of the mechanical spillways of the structures.

Recreation. The use of the Sullivan County Park and Lake is continuing to increase. The energy crisis has not curtailed the camping activities this year. The camp sites overflowed on the Thursday before Memorial Day

BUSSERON PROJECT

weekend. One 65-acre home development with sewer and water facilities shows steady growth which enhances the local tax base. Local businesses are enjoying an increase in sales from tourists and campers. Another new tackle and bait shop opened this month on the road to the lake. The multi-purpose structure at Shakamak State Park is an excellent facility. The recreation potential has been greatly increased.

Fish and Wildlife. Fishing reports from the two multi-purpose structures have been excellent. Good catches of bass, crappie, bluegill, and channel catfish have been reported this year. Wild ducks are seen on the lake many months of the year.

Local Reaction. The overall reaction is positive. Many local citizens are enjoying the benefits of the watershed project as well as the visitors.

DELANEY CREEK PROJECT
WASHINGTON COUNTY

The Project in Brief. Authorized - April 1, 1969. Estimated completion - in the fiscal year 1975. Area - 21,905 acres of which approximately 70 percent are privately owned. Sponsors - Washington County Soil and Water Conservation District, Delaney Creek Conservation District, Washington County Park and Recreation Board, and the Indiana Department of Natural Resources, Division of Forestry. Estimated total cost of construction - \$1,480,190 (\$1,108,353 PL-566 and \$371,837 Other). Principal problems are floodwater damage and land scour to farmland and roads. Landownership and use - 148,180 acres of cropland, 36,460 acres of grassland, and 970 acres - idle and miscellaneous.

Progress in Land Treatment. There are 126 farms in the watershed of which 69 are cooperators covering 17,910 acres; 54 have basic conservation plans on 12,864 acres. The conservation practices to be installed include improved rotations, grassed waterways, diversions, gully stabilization, pasture renovation, tree planting and improved forestry practices.

Progress in Structural Measures. Of the planned structures, those numbered 1, 2, 3, and 4 are completed. Structure No. 5 is under construction.

Progress in Obtaining Easements and Rights-of-Way. The county park and recreation board has obtained land rights on structure No. 5.

FALL CREEK PROJECT
WARREN COUNTY

The Project in Brief. Authorized - November 26, 1973. Estimated completion - in fiscal year 1977. Area - 4,850 acres. Sponsors - Warren County Soil and Water Conservation District, Williamsport Board of Parks and Recreation, and Williamsport Town Board. Estimated total cost - \$674,060 (\$133,600 PL-566 and \$540,460 Other). Principal problems - upland erosion, streambank erosion, flooding, and lack of recreational facilities. Landownership and use - 98 percent of the land is privately owned and 2 percent of the land is owned by units of city and county government; 57 percent of the watershed is cropland, 25 percent pastureland, 5 percent forest land, 4 percent wildlife and recreation land, and 9 percent other land. The estimated population of the watershed is 1,770, of which 6 percent live on farms.

Progress in Land Treatment. Landowners involved - 33 farms wholly or partially in the watershed; 22 of the landowners (involving 80 percent of the watershed area) are cooperators with the Warren County Soil and Water Conservation District; 18 of the landowners have conservation plans. An estimated 65 percent of the needed land treatment measures have been applied. Planned land treatment includes conservation cropping systems, crop residue management, minimum tillage, grassed waterways, grade stabilization structures, pasture planting and management, wildlife habitat management, etc. Estimated cost of land treatment - \$43,830, of which \$10,175 is for technical assistance.

Progress in Structural Measures. Planned structural measures are one multiple-purpose flood prevention-recreation structure with associated recreation facilities and 150 feet of streambank protection in Williamsport. Geological investigations and field surveys for the multiple-purpose structure have been completed. Estimated cost of structural measures - \$630,230 (\$125,840 PL-566 and \$504,390 Other).

Progress in Obtaining Easements and Rights-of-Way. Land rights maps for the multiple-purpose structure have been prepared by the Soil Conservation Service and furnished to the sponsors. The sponsors are working with the Indiana Department of Natural Resources and the Farmers Home Administration to secure needed grants and loans to finance the local costs of the project.

INDIAN CREEK PROJECT MORGAN, JOHNSON, BROWN, AND MONROE COUNTIES

The Project in Brief. Authorized - August 31, 1966. Estimated completion - in the fiscal year 1978. Area - 59,160 acres. Sponsors - Morgan, Johnson, Brown, and Monroe County Soil and Water Conservation Districts. Estimated total cost - \$3,208,500 (\$1,204,499 PL-566 and \$2,004,001 Other). Principal problems - erosion and drainage problems in the uplands, flooding and drainage problems in the bottomlands, and water management problems throughout the watershed; also need for additional recreational facilities. Landownership and use - 3,685 acres state-owned land (no federally-owned land), balance privately-owned; 22,170 acres cropland, 9,570 acres pastureland, 20,990 acres woodland, and 6,430 acres miscellaneous.

Progress in Land Treatment. Landowners involved - 600 farms averaging 90 acres; approximately 51 percent of the land is now under district cooperative agreement. Approximately 63 percent of the cooperators now have basic conservation plans (on 27 percent of the total area in the watershed). Land treatment measures to be installed are those having the most hydrologic, erosion, and sediment control significance in reducing floodwater damage and those which contribute to achieving agricultural water management benefits. Total estimated cost of land treatment - \$1,102,000, of which \$340,480 is for technical assistance.

Progress in Structural Measures. Planned structural measures are 8 floodwater retarding structures and 2 multiple-purpose structures (including basic recreation facilities). No structural measures have been installed. Land rights maps will be developed after formation of the conservancy district.

Progress in Obtaining Easements and Rights-of-Way. Petitions for conservancy district formation were filed in Morgan County Circuit Court in December 1967, but later withdrawn by the steering committee. The court refused to reinstate the petitions at a later date. The steering committee has obtained necessary signatures of landowners (plus 30 percent) on new petitions which have been filed with the court. Court proceedings with a special judge from Monroe County are in process. Opposition petitions to the formation of the conservancy district have been filed. The court is currently determining validity of landowner signatures on all petitions filed. Land easements and rights-of-way will be obtained following formation of the conservancy district.

LITTLE RACCOON CREEK PROJECT PARKE, MONTGOMERY, AND PUTNAM COUNTIES

The Project in Brief. Authorized - September 10, 1965. Estimated completion - in the fiscal year 1975. Area - 98,306 acres. Sponsors - soil and water conservation districts of Parke, Montgomery, and Putnam counties, and the Little Raccoon Creek Conservancy District. Estimated total cost - \$4,444,720 (\$2,891,970 PL-566 and \$1,552,750 Other). Principal problems - damages to crops and pastures from flooding, land damages in the flood plain, upland erosion, and lack of recreational facilities. Landownership and use - 65 percent owner-operated, 35 percent tenant-operated. There are 500 acres owned by the State of Indiana; 66,523 acres cropland, 9,240 acres pastureland, 16,750 acres woodland, and 5,793 acres Other.

Progress in Land Treatment. Landowners involved - 609. Approximately 90 percent of the total area is under district cooperators agreement of which about 70 percent is under conservation plan. Major practices planned are pasture planting, ponds, diversions, waterways, conservation crop systems, crop residue use, tile, open drains, and woodland improvement. Approximately percent of the needed land treatment measures have been applied. Land treatment measures were needed on 23,125 acres cropland, 4,200 acres grassland, 9,390 acres woodland, and 1,830 acres other land. Estimated cost of land treatment - \$755,385, of which \$317,995 is for technical assistance.

Progress in Structural Measures. Twelve structures (10 single-purpose and 2 multiple-purpose flood prevention-public recreation) and 2 recreation facilities are completed. Multiple-purpose structure No. 8, with a 350-acre permanent pool and associated recreation area with facilities, was opened to the public on Memorial Day weekend, 1972; recreation facilities are operated by the Waveland Park Board. Multiple-purpose structure No. 2C, with a 100-acre permanent pool and a 100-acre recreation area, was dedicated May 27, 1973. Recreation facilities are operated by the Parke County Park Board. Both are receiving wide usage. One flood prevention structure and one flood prevention-private recreation structure are nearly completed and construction on one single-purpose flood prevention structure is expected to start in July 1974. Remaining structural measures include 43 miles of limited channel work. Estimated cost of structural measures - \$3,689,340 (\$2,704,380 PL-566 and \$984,960 Other).

Progress in Obtaining Easements and Rights-of-Way. The conservancy district will acquire needed easements for the remaining channel work during fall 1974.

Effectiveness of Project Proved. In June 1973, a storm brought from 3 to 5 inches of rain in a short period of time. All 11 structures functioned as planned and effectively protected several thousand acres of corn, beans, and small grain from serious flooding. Structure 2C which controls only about one-half the drainage area above Pioneer Village (Billie Creek), also protected the village from the extensive damage which would likely have occurred without the dam. The village was also spared two other serious floods; once in late July 1971 when the structure was only partially completed and a 4.5-inch rain fell in about an hour, and also in June 1972 when a 2.5-inch rain fell in 30 minutes. No serious flooding has occurred in the valley in the last 5 years. Farmers are now planting crops with no fear of crop loss from floods. Road, bridge, and home damage has disappeared.

LITTLE WALNUT CREEK PROJECT PUTNAM AND PARKE COUNTIES

The Project in Brief. Authorized - April 1969. Estimated completion - in the fiscal year 1975. Area - 41,225 acres. Sponsors - Putnam County Soil and Water Conservation District, Little Walnut Creek Conservancy District. Estimated total cost - \$2,020,751 (\$1,170,541 PL-566 and \$850,210 Other). Principal problems - damages from flooding to crops and pastures, roads and bridges, and damages from scour and sediment deposition in the flood plain. Landownership and use - major portion of land is privately-owned and used agriculturally; 50 percent used for cropland, 22 percent for pasture, 25 percent for woodland, and 3 percent for Other.

Progress in Land Treatment. Landowners involved - 260 farms wholly or partially within the watershed; 42 percent of the landowners (involving 59 percent of the acreage) are cooperators with the Putnam County Soil and Water Conservation District and 36 percent of the landowners have basic conservation plans. An estimated 70 percent of needed land treatment measures have been applied. Planned land treatment includes conservation cropping systems, grassed waterways, ponds, diversions, grade stabilization structures, crop residue use, pasture planting, woodland protection, and installation of open and closed drains. Estimated cost of land treatment - \$494,301, of which \$118,670 is for technical assistance and soil surveys.

Progress in Structural Measures. Planned structural measures are two single-purpose floodwater retarding structures and one multiple-purpose flood prevention recreation structure. Two single-purpose structures have been completed which provide about 50 percent of the planned flood protection. The remaining multiple-purpose structure is under construction. Estimated cost of structural measures - \$1,526,450 (\$1,051,871 PL-566 and \$474,579 Other).

Progress in Obtaining Easements and Rights-of-Way. The conservancy district was established by Putnam County Circuit Court on March 10, 1967. The conservancy district plan was approved by Indiana Natural Resources Commission. The conservancy district has acquired all needed land rights and is currently investigating means to bring about the installation of planned recreation facilities at multiple-purpose structure No. 4.

Effectiveness of Project Proved. Severe rain storms during 1972, 1973, and during spring of 1974 have severely tested the two single purpose structures completed. Both structures functioned as planned. Flooding was materially reduced and significantly reduced damages to crops, county roads and bridges, and farmland.

LOST RIVER PROJECT DUBOIS, LAWRENCE, MARTIN, ORANGE, WASHINGTON COUNTIES

The Project in Brief. Authorized September 29, 1970. Estimated completion in the fiscal year 1980. Area - 233,690 acres - 220,325 acres privately-owned, 12,200 acres federally-owned and managed by U.S. Forest Service, 1,125 acres state-owned and managed by Indiana Department of Natural Resources. Sponsors are the soil and water conservation districts of Dubois, Lawrence, Martin, Orange and Washington counties, The Lost River-Springs Valley Conservancy District, the Orange County Park and Recreation Board, and the Town Board of Paoli. Estimated total cost for structural measures and land treatment - \$9,925,837 (\$4,882,676 PL-566 and \$5,043,161 Other). Principal problems - floodwater and sediment damage to agricultural lands, increased operating costs and disruption of travel because of road and bridge flooding and damage. Land use - 35 percent cropland, 28 percent pasture, 26 percent woodland, and 11 percent other uses.

Progress in Land Treatment. There are 1,140 farms in the watershed with 651 soil and water conservation district cooperators of which 456 have complete conservation plans. An estimated 64 percent of the planned practices have already been applied.

Progress in Obtaining Easements and Rights-of-Way. The Lost River-Springs Valley Conservancy District has had a tax levy for the past 4 years and has approximately \$170,000 in Certificates of Deposit in local banks within the watershed area. The tax levy was taken off for calendar year 1973.

Present Status. The Lost River-Springs Valley Conservancy District presented a revised District Plan to the Indiana Department of Natural Resources Commission in July 1973. The Commission deferred action on the plan until the Conservancy District could present a revised environmental statement that will be in line with the revised District Plan. The Conservancy District requested the Soil Conservation Service watershed planning staff to update the environmental statement. The planning staff hopes to have the first draft of the revised work plan and environmental impact statement written in August 1974.

MIDDLE FORK OF ANDERSON RIVER PROJECT PERRY AND CRAWFORD COUNTIES

The Project in Brief. Authorized - August 28, 1961. Estimated completion in the fiscal year 1975. Area - 69,400 acres (63,040 acres privately-owned, 5,840 acres owned by U.S. Forest Service, 520 acres owned by Indiana Department of Natural Resources). Sponsors - Perry and Crawford county soil and water conservation districts and Middle Fork Watershed Conservancy District. Estimated total cost - \$4,446,856 (\$1,590,078 PL-566 and \$2,856,788 Other). Principal problems - floodwater sediment and erosion damage to agricultural lands, and indirect damages in form of depreciation in land values, increased operating costs and disruption of travel because of road and bridge flooding and damage. Landownership and use - 90 percent owner-operated, 18,000 acres cropland, 7,700 acres grassland, 28,000 acres woodland. Over 50% are part-time farmers.

Progress in Land Treatment. Over 95 percent of the planned land treatment measures are now applied. There are 350 farmers in the project and 345 are now cooperators of the Perry County Soil and Water Conservation District, a gain of 6 this year. Of the 1,000 acres of planned tree planting needed on the watershed critical areas, 1,459 acres have been planted. Trees were furnished to the district landowners through the Resource Conservation and Development Program. Land treatment was given first priority for REAP cost-share assistance. Over \$125,000 has been spent for REAP assistance since watershed project started.

Progress in Structural Measures. Of the planned 34 miles of channel work, 5 miles of Kraus Creek were completed in 1966. Multiple-purpose Lake Celina (155 acres) structures numbered 2 and 5 were completed in 1968. Four other multiple-purpose structures were completed prior to 1968. Recreation facilities by U.S. Forest Service have been completed on Saddle Lake, and road building and recreation facilities (including beach) started on Tipsaw. Public access road to Indian Lake and Lake Celina is completed. The 1.3 miles of channel work on Winding Branch and the 5.6 miles on unit 1 of the Middle Fork main channel are complete. A bid of \$8,400 has been accepted to construct the appurtenances on unit 1 including tile outlet pipes and drop spillway structures.

Progress in Obtaining Easements and Rights-of-Way. The conservancy district has obtained easements for 29 miles of channel work on Middle Fork, Sulphur, and Theis Creek.

Effectiveness of Project Proved. The watershed received heavy steady spring rainfall during the spring of 1973 totaling 22 inches and the structures held back the excessive bottomland flow very successfully.

MILL CREEK PROJECT FULTON AND PULASKI COUNTIES

The Project in Brief. Authorized - April 6, 1965. Construction completed in fiscal year 1972. Land treatment estimated to be completed in fiscal year 1975. Area - 34,080 acres. Sponsors - Fulton and Pulaski Soil and Water Conservation Districts, and the Mill Creek Conservancy District. Principal problems - flooding and impaired drainage on 4,530 acres. Landownership and use - 100 percent privately-owned; 28,450 acres cropland, 2,330 acres grassland, 1,700 acres woodland, and 1,600 acres other. Estimated total cost - \$875,776 (\$404,386 PL-566 and \$471,380 Other).

Progress in Land Treatment. More than 65 percent of the agronomic land treatment practices are applied. Ten of the 26 laterals have been reconstructed in such a manner to prevent siltation and pollution by the installation of surface inlets, good side slopes, seeding and spoilbank leveling. This represents a total of 18 miles of laterals and 94 structures.

Progress in Structural Measures. Construction of structural measures was completed in June of 1971. The conservancy district requested that work on the laterals included in the original plan as land treatment be changed to structural works of improvement; however, the supplement was not approved for SCS cost sharing. The conservancy district is making plans to complete the project without government cost share assistance.

Effectiveness of Project Proved. Benefits are already noticeable as there has been considerably less flooding the springs of 1971, 1972, and 1973. When the entire project is completed, benefits in flood prevention will be plainly evident. Even with a very wet spring, farmers reported they were better able to time and manage their farm operations. The Mill Creek area received 9 1/2 inches of rainfall in the first week of June 1971. Local leaders think the protection afforded to highways, agricultural land, and crops prevented a loss equal to a third of the project cost. On June 3, 1972, there was a 100-year rain of 30 minute duration in a small area. This gave the Costello, Hines, and W.F. Wilson laterals a real test. Farmers and conservancy district leaders were well pleased with these laterals and their capabilities. Farming would have been nearly impossible in the fall of 1972 and the spring of 1973 without the work that has been done, as this has been one of the wettest periods in the history of the area.

MUDDY FORK OF SILVER CREEK PROJECT CLARK, FLOYD, AND WASHINGTON COUNTIES

The Project in Brief. Authorized - August 12, 1965. Estimated completion - in the fiscal year 1978. Area - 42,642 acres (86 percent privately-owned, 14 percent state forest). Sponsors - Clark, Floyd, and Washington county soil and water conservation districts, Town Board of New Providence, and the Muddy Fork Conservancy District. Estimated total cost - \$2,606,369 (\$1,824,251 PL-566 and \$782,118 Other). Principal problems - floodwater and sediment damage to agricultural lands, residences, and utilities. Landownership and use - 60 percent part-time and 25 percent tenant farmers; general farming with emphasis on fruit and vegetable crops and small grain, 7,751 acres cropland, 2,902 acres grassland, 29,595 acres woodland, and 2,394 acres miscellaneous.

Progress in Land Treatment. Of the approximately 400 landowners, 191 are district cooperators (26,267 acres - 66 percent), and 175 have conservation plans (23,871 - 56 percent of the area). Over 80 percent of the land treatment practices have been applied. The following practices are 100 percent applied or over: contour farming, drainage mains and laterals, farm ponds, minimum tillage, pasture and hayland management, pasture and hayland planting, open drains, tile, tree planting, trough or tanks, wildlife habitat management and woodland improved harvesting. The following conservation practices are over 75 percent complete: conservation cropping system, crop residue use and terrace gradient. There are 17,287 acres which are adequately treated (85 percent of the goal). The land treatment program will be installed ahead of schedule. Estimated cost of land treatment is \$314,980.

Progress in Structural Measures. Structures numbered 1, 2, 3, and 5 are completed and operating. Structure No. 1 is a multi-purpose flood control and water supply structure. The structure provides water to the Town of New Providence and over 800 customers of the Tri-County Water Corporation. The other structures (2, 3, and 5) are flood control only structures. All structural work has been temporarily halted pending completion of a work plan supplement.

Effectiveness of Project Proved. In mid-1973, the area around the Town of New Providence received approximately 11 inches of rain in 24 hours. The town received no flood damage from this storm. This is a contrast to a 1960 storm with less than 8 inches in 24 hours where the town received better than \$50,000 worth of damage.

PRAIRIE CREEK PROJECT VIGO COUNTY

The Project in Brief. Authorized - August 19, 1964. Estimated completion - in the fiscal year 1976. Area - 19,095 acres (100 percent privately owned). Sponsors - Vigo County Soil and Water Conservation District and Prairie Creek Conservancy District. Estimated total cost - \$686,420 (\$455,200 PL-566 and \$231,220 Other). Principal problems - floodwater and sediment damage to agricultural lands. Landownership and use - 13,260 acres cropland; 2,440 acres grassland; 1,800 acres woodland; and 350 acres idle and miscellaneous.

Progress in Land Treatment. Of the approximately 200 farmers in the watershed, 160 have signed agreements with the Vigo Soil and Water Conservation District. Of these, 151 have conservation plans. Approximately 82 percent of the major planned land treatment measures have been applied. Estimated cost of land treatment is \$195,450.

Progress in Structural Measures. All three planned floodwater retarding structures have been installed. Structure No. 2 was completed late in 1967; structure No. 1 was completed in October 1970; and structure No. 3 was completed in September 1973. A new county park is presently under construction by the Vigo County Park Department on 96 acres adjacent to and including part of the lake area of this structure.

Progress in Obtaining Easements and Rights-of-Way. A Farmers Home Administration loan was received in May 1971. Most of the channel easements have also been secured, but may require some renegotiations because of a change in the channel plans.

Effectiveness of Project Proved. Several times during the past winter the area received intense rains. Due to channel congestion, flooding occurred along the main stem. Floodwaters topped the road at bridges two and three. The flooding of agricultural land was evident during much of February and March. This flooding persisted due to maximum discharge of structures numbered 1 and 2 with inadequate channel capacity downstream. Even though flooding occurred to agricultural ground, several thousand dollars in benefits were received to county roads and bridges and to landowners as a result of the three floodwater retarding structures.

PRIDES CREEK PROJECT PIKE COUNTY

The Project in Brief. Authorized - October 1966. Estimated completion - in the fiscal year 1975. Area - 9,213 acres (100 percent privately-owned). Sponsors - Pike County Soil and Water Conservation District and Prides Creek Conservancy District. Estimated total cost - \$1,232,400 (\$775,457 PL-566 and \$456,943 Other). Principal problems - floodwater and sediment damage to agricultural land and recreational development. Land use - 61 percent cropland, 10 percent grassland, 8 percent woodland, 10 percent idle, 6 percent farmsteads and roads, and 5 percent urban.

Progress in Land Treatment. More than 65 percent of the planned land treatment measures have been applied. Of the 92 farmers in the project, 68 are cooperators and 57 have conservation plans. Of the 12,000 feet of diversions needed, 8,500 feet have been constructed. Of the 18,000 feet of field drainage ditch needed, 11,600 feet have been constructed. Of the 23 farm ponds needed, 24 have been constructed. Estimated total cost of land treatment is \$173,600.

Progress in Structural Measures. The structural program consists of 2 floodwater retarding structures, 1 multiple-purpose recreation structure, and 6.2 miles of channel work. Estimated cost of structural measures is \$1,103,000 (\$757,500 PL-566 and \$345,500 Other). The multiple-purpose structure and recreational facilities were completed in June 1972. Survey, design, and plans have been completed on the two floodwater retarding structures.

Progress in Obtaining Easements and Rights-of-Way. Land rights maps have been presented to the conservancy district on all structures and the channel. The conservancy district has purchased 260 acres needed for structure No. 4 and the recreational facilities. Cost of obtaining easements and rights-of-way has temporarily delayed the construction of structures numbered 1 and 2. Land easement costs have been influenced by coal mining operations in the watershed.

Effectiveness of Project Proved. The land treatment phase has helped control erosion and reduced flooding in the watershed. There is a noticeable difference in flooding below structure No. 4 to the main channel. Part of this area is now an industrial park. Two industries have started operation since this project has been completed.

ROCK CREEK PROJECT CASS AND CARROLL COUNTIES

The Project in Brief. Authorized - July 3, 1967. Estimated completion - in the fiscal year 1980. Area - 56,000 acres, all privately-owned. Sponsors - soil and water conservation districts of Cass and Carroll counties, and the Rock Creek Cass-Carroll Conservancy District. Estimated total cost - \$1,460,460 (\$1,016,992 PL-566 and \$443,468 Other). Principal problems - floodwater and drainage damage to agricultural lands. Landownership and use - 17 percent tenant-operated; 46,500 acres cropland, 3,200 acres grassland, 2,500 acres woodland, and 4,400 acres in "other" land.

Progress in Land Treatment. Approximately 15 percent of the planned land treatment measures have been applied. Of the 635 farms within the watershed, 156 are district cooperators and 74 have resource conservation plans. Of the 265,000 feet of needed tiles, over 54,000 feet have been installed. Estimated cost of land treatment is \$421,000.

Progress in Structural Measures. Construction on Unit I, approximately 1.2 miles of channel work, was completed on May 13, 1971. The estimated completion date for approximately 1.3 miles of channel work in Unit II is December 1976. Construction on Reach "M" which includes 2.4 miles of clearing, snagging and minor channel realignment was begun in 1973 and is expected to be completed in 1974. This reach is immediately downstream from the PL-566 project and is being paid for 100 percent by conservancy district funds. The total estimated cost of structural measures including installation of services, easements, and rights-of-way is \$1,039,375 for 18.4 miles of channel work.

Progress in Obtaining Easements and Rights-of-Way. All easements have been obtained except on the last unit of construction which is scheduled for completion in 1980. On this last unit, comprising approximately 12 miles of channel work, 10 landowners have not signed their easements. The conservancy district chairman and the contracting officer are working to secure the remaining easements.

ROCK CREEK PROJECT WELLS AND HUNTINGTON COUNTIES

The Project in Brief. Authorized - March 16, 1967. Estimated completion - end of the fiscal year 1975. Area - 61,020 acres (all privately owned). Sponsors - soil and water conservation districts of Huntington and Wells counties, county commissioners, and the Rock Creek Conservancy District. A work plan supplement was completed in 1972 to modify the original work plan to reduce adverse environmental effects of the project as found during the project review. Principal problems - floodwater damage and impaired drainage of agricultural lands. Land use - 52,943 acres of cropland, 1,365 acres of grassland, 3,439 acres of woodland, and 3,273 acres of wildlife and miscellaneous. Revised estimated total cost - \$2,906,390 (\$1,871,200 PL-566 and \$1,035,190 Other). The supplemental major works of improvement include 14.7 miles of channel work on the main channel of Rock Creek and Mossberg Drain, and 2.5 miles of debris removal from the Mossberg Drain. The 9.4 miles of channel work on the lower main channel of Rock Creek and the Whitelock Drain were completed in late 1972 under the original work plan. Supplemental additions to reduce the adverse environmental effects include one-sided construction, fish pools throughout most of the length of the Rock Creek main channel, and replanting of trees and shrubs adjacent to the berm.

Progress in Land Treatment. More than 80 percent of the planned land treatment measures have been applied. Of the 580 farms in the watershed, 408 are district cooperators and 297 have conservation plans prepared.

Approximately 40,000 acres are adequately treated. There were 110 grade stabilization structures listed as needed at the start of the project. Two hundred and sixteen have been installed to date. Estimated cost of the revised land treatment measures is \$927,200. It is estimated that the cost of land treatment measures installed to date exceeds \$800,000. Land treatment measures are planned for completion in the fiscal year 1976.

Progress in Obtaining Easements and Rights-of-Way. All needed easements and rights-of-way were obtained through the local court for the entire project at a local cost of \$89,243.88. Court appointed appraisers determined the value of the needed easements and rights-of-way.

Effectiveness of Project Proved. The completed lower 7.8 miles of Rock Creek main channel and 1.6 miles of the Whitelock Drain have not flooded since completion of the planned works of improvement. The landowners are very well pleased with this completed 9.4 miles of channel work. An additional approximate 5 miles of Rock Creek main channel, reconstructed under the present contract, has performed as planned during frequent and heavy rainfall periods of the past 6 months. Directly upstream from the completed section, flooding remains intense and frequent.

STUCKER FORK PROJECT
SCOTT, JEFFERSON, CLARK, AND WASHINGTON COUNTIES

The Project in Brief. Authorized - September 28, 1962. Estimated completion - in the fiscal year 1977. Area - 117,850 acres (96 percent privately-owned, 4 percent state forest). Sponsors - soil and water conservation districts of Scott, Clark, Jefferson, and Washington counties, Stucker Fork Conservancy District, and Scott County Park and Recreation Board. Estimated total cost - \$4,446,557 (\$2,333,877 PL-566 and \$2,112,680 Other). Landownership and use - more than 90 percent of the farms are owner-operated; 55,793 acres of cropland, 15,294 acres of permanent pasture, 34,000 acres of woodland, and 12,763 acres of idle and miscellaneous.

Progress in Land Treatment. Approximately two-thirds of the land treatment has been accomplished in the watershed area. About 84 percent of the farm area is under basic conservation plan. The area above all structures is about 65 percent district cooperators who are actively applying conservation to their land. Estimated cost of land treatment is \$1,444,500.

Progress in Structural Measures. Ten structures are completed and 3.5 miles of channel work have been done. Three structures are under construction presently. Other structural work is temporarily halted pending completion of a work plan supplement.

Progress in Obtaining Easements and Rights-of-Way. About 90 percent of the owners on the balance of the channel work have indicated intent to donate their easements. This would leave three more structures to be purchased by the conservancy district as the park and recreation board has decided not to participate in this project.

Effectiveness of Project Proved. Project has proven effective in reducing flooding below structures. There were no large storms in the past year.

TWIN-RUSH PROJECT WASHINGTON COUNTY

The Project in Brief. Authorized - April 29, 1965. Estimated completion - in the fiscal year 1975. Area - 28,099 acres (99 percent privately-owned). Sponsors - Washington County Soil and Water Conservation District, the Twin-Rush Conservancy District, the City of Salem, and Washington County Park and Recreation Board. Estimated total cost - \$3,047,438 (\$1,628,793 PL-566 and \$1,418,645 Other). Principal problems - floodwater damage and land scour to agricultural lands and roads. Also, inadequate water supply for future growth of Salem. Landownership and use - 5 percent tenant-operated; 6,759 acres of cropland, 4,967 acres of grassland, and 13,800 acres of woodland.

Progress in Land Treatment. Of the 267 farms in the project, 147 are district cooperators (20,071 acres) and 122 have basic plans (18,207 acres). The major conservation practices needed are diversions, grassed waterways, grade stabilization structures, wildlife exclusion, and pasture planting.

Progress in Structural Measures. Two of the three planned floodwater retarding structures have been completed. Structure No. 2 is a 220-acre lake furnishing water supply to the City of Salem. Incidental recreation will also be provided by the City of Salem. Structure No. 1, a proposed 120-acre lake and recreation development, is sponsored by the Washington County Park and Recreation Board.

Progress in Obtaining Easements and Rights-of-Way. Easements are being obtained on the channel and the Park Board plans to purchase land in the fall of 1974.

Effectiveness of Project Proved. Structures numbered 2 and 3 continue to keep channels below them well within their banks. However, to the immediate west of No. 3 where No. 1 is planned, the valley continues to be flooded by the overtopping of streams. Again, frequent flooding this past spring has caused farmers in the area to recognize the urgency of getting this structure in place.

UPPER BIG BLUE RIVER PROJECT HENRY AND RUSH COUNTIES

The Project in Brief. Authorized - August 31, 1966. Estimated completion - in the fiscal year 1980. Area - 124,000 acres (98 percent privately owned, state ownership - 1,526 acres or 1.2 percent, and county ownership - 371 acres). Sponsors - soil and water conservation districts of Henry and Rush counties, and Big Blue River Conservancy District. Estimated total cost - \$9,299,190 (\$3,722,360 PL-566 and \$5,576,830 Other). Principal problems - flooding, impaired drainage, stream pollution, lack of recreational facilities, swamping of agricultural land, and need for future municipal and industrial water supply. Landownership and use - 79 percent owner operated; 84,128 acres cropland, 19,334 acres grassland, and 9,415 acres woodland.

Progress in Land Treatment. Approximately 30 percent of the planned land treatment has been applied. Of the 840 farmers within the watershed project area, 410 are cooperators either with the Henry County Soil and Water Conservation District or the Rush County Soil and Water Conservation District. The total land acreage under cooperator agreement is 55,300 acres of which 16,500 acres have had complete conservation treatment applied to the land. Three hundred and sixty conservation plans have been prepared within the watershed area. The U.S. Forest Service has marked 540 acres of woodland for harvest and tree planting has taken place on 80 acres within the project area. The soil survey work is 100 percent completed and the estimated cost of land treatment is \$3,528,590.

Progress in Structural Measures. Four floodwater retarding structures have been completed at a PL-566 cost of \$490,500. One multi-purpose recreation, flood control, and water supply structure is presently under contract at an estimated PL-566 cost of \$200,000. This structure is approximately 70 percent complete and is expected to be completed in the fall of 1974. One floodwater retarding structure is presently under contract at an estimated PL-566 cost of \$320,000. Of the planned 32.8 miles of channel work, 7.5 miles have been completed at a PL-566 cost of \$69,700; 2.5 miles have been completed by the conservancy district without PL-566 funds. An A&E contract for the design of basic recreation facilities is presently under contract at a PL-566 cost of \$7,000. An A&E contractor has completed the topographic mapping of one multi-purpose recreation, flood control and water supply structure and two multi-purpose low flow augmentation and flood control structures. The PL-566 cost was \$16,000. Fencing of a multi-purpose structure has been completed at a PL-566 cost of \$7,950.

Progress in Obtaining Easements and Rights-of-Way. The conservancy district has expended approximately \$540,000 for the five floodwater retarding structures and channel work completed or presently under contract. Purchase of

UPPER BIG BLUE RIVER PROJECT

approximately 550 acres for a multi-purpose recreation, flood control and water supply structure has been completed at a total cost of \$210,200. PL-566 cost-share was \$62,400. The appraisals for 41 tracts of land (approximately 2,600 acres) for a multi-purpose, recreation, flood control and water supply structure have been completed at a cost of \$15,400. PL-566 cost-share was \$7,700. To date, approximately 70 percent of the land needed for this structure has been purchased at an approximate total cost of \$875,000. PL-566 cost-share is \$280,000. Acquisition of land is expected to be completed in FY-75 at an estimated total cost of \$1,420,000.

Effectiveness of Project Proved. Four floodwater retarding structures are complete and functioning as intended. Observation of streams downstream of the structures indicates that the streams stay within the banks when streams without control overflow and damage occurs. The stream channel work completed shows significant benefits in drainage of land adjacent to the channels and the frequency of flooding has decreased noticeably.

WEST BOGGS CREEK PROJECT DAVISS AND MARTIN COUNTIES

The Project in Brief. Authorized - October 18, 1966. Estimated completion - in the fiscal year 1976. Area - 14,121 acres (100 percent privately-owned with the exception of 1,215 acres owned by the joint park board). Sponsors - Daviess and Martin soil and water conservation districts, the Joint Daviess-Martin County Park and Recreation Board, and the West Boggs Creek Ditch Repair and Maintenance District. Estimated cost - \$1,780,214 (\$629,193 PL-566 and \$1,151,021 Other). Principal problems - floodwater and sediment damage to agricultural crops and land, need for recreational development. Landownership and use - approximately 180 farms in watershed, 65 percent of farmers have off-farm income; 7,200 acres of cropland, 2,540 acres of grassland, 3,390 acres of woodland, and 990 acres of miscellaneous and idle land.

Progress in Land Treatment. Of the 140 potential cooperators in the watershed, 113 are cooperators with the soil and water conservation districts involved and 78 have conservation plans developed. Estimated land treatment costs are \$629,193, of which \$40,493 is for technical assistance. Additional REAP funds were allocated to assist with practice application acceleration. Practices which are being stressed by resource conservation planning are parallel tile outlet terraces, diversions, grassed waterways, tree planting, minimum tillage, wildlife habitat management, and pasture management.

Progress on Structural Measures. Construction is completed on the one multi-purpose structure for the 622-acre lake. Channel work is being reconsidered to determine need and feasibility. The county roads have been raised in five locations where the road elevations were below the level of the lake. The recreational facilities in the 250-acre park are a joint venture of the Indiana Department of Natural Resources, Bureau of Outdoor Recreation, and the park boards of Daviess and Martin counties. Construction is completed for phase "A" of the park. Construction is underway on phases "B" and "C" of the campgrounds, additional picnic areas, outdoor laboratories, outdoor sports areas and shelterhouses.

Effectiveness of Project Proved. In July 1973, a 7-inch rain during a 48-hour period created severe flooding in areas adjoining the watershed which were not protected by flood control measures. Little or no flooding occurred below the multi-purpose structure. Many farmers said they would have lost their entire crop on the bottomland if this structure had not been constructed. The 250-acre park and recreation area has been used extensively. In fact, income from facilities paid first-year operating expenses. The lake has been stocked with bass, redear, channel catfish, and bluegill. Fishing is excellent 3 years later. During fall migration, the lake was open for duck hunting. This has brought increased income to the community.

West Boggs Creek Project

Several new businesses have been started such as restaurants, hotels, a grocery store, roadside market, bait and boat shops, service stations, etc. Several of the older establishments and businesses have been remodeled and expanded to accommodate growing demand. Three subdivisions have been developed, along with a mobile home park and private camping facilities. Local community leaders are very pleased with the success of the project to date.



RIVER BASIN STUDIES

River Basin Studies by the U.S. Department of Agriculture (USDA) are carried out under the authority of Section 6 of the Watershed Protection and Flood Prevention Act (PL-566, 83d Congress, as amended). Currently, in Indiana, the Type I Framework Studies on the Ohio River Basin and Upper Mississippi River Basin have been completed. A Type I Framework Study is nearing completion for the Great Lakes Basin. The Type II Comprehensive Study is completed for the Wabash River Basin. Type IV cooperative surveys are underway on the Kankakee and the Elkhart River Basins. A Level B Study is underway on the Maumee River Basin.

The principal participants for the USDA in these studies are the Soil Conservation Service (SCS), U.S. Forest Service (FS), and the Economic Research Service (ERS). Further information regarding the various river basin studies in Indiana can be obtained from Mr. Cletus J. Gillman, State Conservationist, Soil Conservation Service, 5610 Crawfordsville Road, Suite 2200, Indianapolis, Indiana 46224.

Kankakee River Basin

The Kankakee River Basin is located in the eastern portion of the Upper Mississippi River Basin and is a tributary of the Illinois River.

The Kankakee River Basin is located in northwestern Indiana and northeastern Illinois and has a total drainage area of 5,280 square miles. Of this, 2,155 square miles are in Illinois and 3,125 square miles are in Indiana. The Indiana portion is comprised of 2,190 square miles which drains directly into the Kankakee River and 935 square miles which are part of the Iroquois River drainage system. The Iroquois River lies to the south of the Kankakee River and joins the Kankakee about 5 miles upstream from Kankakee, Illinois. The other major tributary is the Yellow River which comprises 427 square miles entirely in Indiana.

The Department of Natural Resources, State of Indiana (IDNR), requested the USDA to make a cooperative Type IV River Basin Investigation and Survey of the Kankakee River Basin, Indiana. The study is needed to determine the water and related land resource problems and needs; to propose solutions to problems associated with watershed protection, flood prevention, channel drainage, municipal and industrial water supply, fish and wildlife, recreation water quality and other related purposes; and to determine the extent to which action will be needed beyond the scope of available going programs.

On July 23, 1970, the state conservationist for the SCS in the State of Indiana, was advised that the study would be funded in fiscal year 1971. This study is now underway and is scheduled for completion July 1975.

The SCS, the FS, and the ERS, with the assistance of the IDNR, are cooperating with representatives of other federal, state, and local

agencies in the preparation of a comprehensive program for the conservation and development of a water and related land resources to meet foreseeable short-term and long-term needs. Projects and programs that should be initiated within the next 10 to 15 years will be identified. A watershed investigation report will be prepared for each of these projects. The USDA is providing assistance in identifying problems and needs and will recommend solutions for recognized problems. Assistance from agencies outside of USDA, including contribution of information and review of study findings, is being requested by the IDNR.

Several types of studies have been made, but all have been for or by special interests. The Corps of Engineers, U.S. Army, has studied channel work and levee construction for flood control along the main channel. The SCS was reimbursed by the Corps to make a tributary drainage study to help them determine the benefits which will accrue to agriculture by works of improvement on the mainstem. Wildlife interests have attempted to cause reversion of large areas back to wildlife preserves. Many farmers and landowners want drainage and flood prevention. No comprehensive study or plan with the goal of an overall plan which would be agreeable to all major interests with alternative courses of action has ever been attempted in this basin. Such a plan is vitally needed to allow progressive long-range resource management and development of the basin.

This basin is part of the Upper Mississippi River Basin on which a Type I Framework Plan was completed in 1972.

The purpose of the study is to present the best combination of alternatives for solution that can be achieved in cooperation with local interests. This will be done by combining all facts from previous studies, making surveys to fill in any remaining information gaps, and working with concerned local, state, and federal agencies.

Elkhart River Basin

The Elkhart River Basin is a tributary of the St. Joseph River and part of the Great Lakes Basin. The Elkhart River Basin is located in northcentral Indiana and has a total drainage area of 710 square miles. The Elkhart River originates in the northeastern part of DeKalb County, flows westward across Noble County into Elkhart County, then northeasterly to the city of Elkhart where it enters the St. Joseph River. The Elkhart River Basin includes parts of five Indiana counties - DeKalb, Noble, LaGrange, Kosciusko, and Elkhart.

The IDNR requested the USDA to make a cooperative Type IV River Basin Investigation and Survey of the Elkhart River Basin, Indiana. The study is needed to determine the water and related land resource problems and needs and to propose solutions to problems associated with watershed protection, flood prevention, drainage, municipal and industrial water supply, fish and wildlife, recreation, water quality and other related purposes such as lake level control, and to determine the extent to which action will be needed beyond the scope of available going programs.

On July 23, 1970, the state conservationist for the SCS, Indiana, was advised that the study would be funded in fiscal year 1971. The study is now underway and is scheduled for completion July 1975.

The SCS, the FS, and the ERS, with the assistance of the IDNR, are cooperating with representatives of other federal, state, and local agencies in the preparation of a comprehensive program for the conservation and development of water and related land resources to meet foreseeable short-term and long-term needs. Projects and programs that should be initiated within the next 10 to 15 years will be identified.

The USDA is providing assistance in identifying problems and needs and will recommend solutions for recognized problems. Assistance from agencies outside of USDA, including contribution of information and review of study findings, is being requested by the IDNR.

This basin is part of the Great Lakes Basin on which a Type I Framework Plan is nearing completion, and part of the St. Joseph River for which limited studies have been made.

The purpose of the study is to present the best combination of alternatives for solution that can be achieved in cooperation with local interests. This will be done by combining all facts from previous studies, making surveys to fill in any remaining information gaps, and working with concerned local, state, and federal agencies.

Wabash River Basin Comprehensive Study

The Wabash River Basin is located between Lake Michigan and the Ohio River in the northwestern portion of the Ohio River Basin. The basin includes a total of 33,100 square miles or about 21 million acres in the three states of Illinois, Indiana, and Ohio. About 8,563 square miles are in Illinois, 24,218 in Indiana, and 319 in Ohio.

The Congress of the United States directed a comprehensive study of the region by responsible federal agencies in cooperation with state and local governments. The study was begun in 1962, with USDA participation beginning in 1963. The state conservationist of Indiana was designated USDA representative on the Wabash study coordinating committee. The plan, completed in 1971, provides for the conservation, development, and utilization of water and related land resources to meet immediate needs and projected requirements for the next 50 years.

The USDA responsibilities included the determination of future agricultural land and water needs, and an appraisal of the floodwater problems and needed upstream developments. In the course of the study, over 540 hydrologic units (small watershed areas) were examined with 180 selected for further detailed study and analysis. Over 1,300 dam sites were reviewed and this information is included in the final report. Two hundred and eighty-seven structures are planned as part of the "early action" projects.

It was determined that 85 potential projects in the upstream watersheds needed to be developed in the next 10 to 15 years. This determination was based on the urgency of local needs, problems, and interest. A watershed investigation report was prepared for 62 of these projects. These reports include sufficient information to inform local organizations of the project possibilities and also to serve as a guide for detailed studies in watershed planning.

The final USDA report on the Wabash River Basin describes the present and future agricultural needs for land, land treatment, and management. Special emphasis is placed on their relation to water resources, and the present and future needs for project-type developments. It includes discussions of the present and projected agricultural economy of the basin, the needs and potential for water and related land resource development, opportunities for development in the near future and the long-term, and the impact of USDA programs.

Copies of the study and report have been submitted to the Ohio River Basin Commission for review and further processing.

Ohio River Basin - Framework Study

The Ohio River Basin study area is bounded on the north by the Great Lakes drainage area, on the east by the divide of the Appalachian Mountains, on the south by the Tennessee River Basin, and on the west by the Mississippi River drainage. It includes all or parts of the states of Illinois, Indiana, Ohio, Kentucky, West Virginia, Pennsylvania, New York, Maryland, Virginia, North Carolina, and Tennessee. The basin area under study includes 163,000 square miles, omitting only the Tennessee River Subbasin area.

In 1962 Congress authorized the framework study of the Ohio River Basin, and the USDA activities began in 1964. The state conservationist for Indiana was designated by the Secretary of Agriculture as the Department's representative on the coordinating committee. The agricultural report was completed and printed in 1966.

The objective of this survey was to provide a broad guide for the best uses of water and related land resources. The USDA had primary responsibility to determine land and water needs for agriculture and the water problems in upstream areas. This, also, included the appraisal of potential project development in these upstream regions.

For Indiana, this involved the summarization of Wabash River Basin data, and the analysis of water problems and needs in the Whitewater River area. The Ohio River drainage was also considered, including Pigeon Creek, Anderson River, Indian Creek, and Silver Creek. Similar studies were carried out in the 11 states within, or partly within the Ohio Basin.

The report includes some highly important information about agriculture and potential developments over the next 50 years. In upstream areas, agriculture damage is approximately \$30 million and urban damage approximately \$15 million. This damage occurs on three million acres of floodplain land in these areas. Over one-third of this damage affects Indiana.

The study also shows about 600 potential upstream watershed projects within the basin with approximately 25 percent of these in Indiana. Nearly 11 million acres of cropland are in need of protection from erosion. Sixteen million acres of pastureland need improvement and 22 million acres of forest land need improvement in the timber stands, or further stand establishment.

The Ohio River Basin Survey is complete and the report is under review by the Water Resources Council.

Upper Mississippi River Basin - Framework Study

The Upper Mississippi River Basin study area is located in the northcentral United States. It is bound on the north by the Hudson Bay drainage area; on the northeast by Great Lakes Basin drainage; on the southeast by the Ohio River Basin; on the south by the Arkansas, White, and Red Rivers; and on the west by the Missouri River drainage. It includes 189,037 square miles in the states of Illinois, Indiana, Wisconsin, Michigan, Minnesota, South Dakota, Iowa, and Missouri.

The survey that is being carried on in the Upper Mississippi River Basin is similar to that described for the Ohio River Basin.

The state conservationist of Iowa was designated as the USDA representative on the coordinating committee.

Indiana is involved in this survey since a large part of the Kankakee River drainage area is in the northwestern part of the state. The Indiana portion of this basin study was completed in calendar year 1967. The Kankakee River Basin Type IV Study, previously described, includes all of the Upper Mississippi River Basin which lies in Indiana.

From the projections made in these various river basin studies, it is evident that the need for "project type" approaches to water and related land resource problems is very great in Indiana. This condition is reflected in our rapidly expanding watershed protection program. We must be prepared to accept this responsibility for the people of the Hoosier State.

The Upper Mississippi River Basin Survey and Report was completed in 1972. The Upper Mississippi River Basin Commission was established in 1972 to coordinate and develop plans for water and related land resource development within the basin.

Great Lakes Basin - Framework Study

The Great Lakes Basin Study includes all of the area in the United States that drains into the Great Lakes and those streams entering the St. Lawrence River within the United States. It includes about 129,000 square miles of which about 68,000 are land area and about 61,000 are water area. The land areas of the basin are in the states of Minnesota, Wisconsin, Illinois, Michigan, Indiana, Ohio, Pennsylvania, and New York.

In 1966, the President of the United States established the Great Lakes Basin Commission upon request of the majority of the states involved. The Commission includes representatives of the eight states and of the federal departments having major responsibilities in the development of land and water resources

in the basin. The state conservationist of Michigan was designated as the USDA representative on the Commission.

The Great Lakes Basin Commission initiated a framework survey of the basin in fiscal year 1968. This survey is similar in purpose and scope to that described for the Ohio River Basin. The study is coordinated by the commission and the report is scheduled for completion in 1973.

The study involves Indiana since a large part of the Maumee River Basin is in northeastern Indiana, the St. Joseph River is in northern Indiana, and the Calumet River is in northwestern Indiana. Agricultural data have been evaluated and tabulated by counties and published by Conservation Needs Inventory. The latest publication for Indiana is dated 1968. These data are the basis for analysis of problems and needs, and for recommended solutions.

Maumee River Basin

The Maumee River Basin is located in northeastern Indiana, northwestern Ohio, and southeastern Michigan, with the major cities of Fort Wayne, Indiana, and Toledo, Ohio. This basin is part of the Great Lakes Basin Framework Study.

The Maumee study is the first Level B study in the nation, authorized under Section 209 of Public Law 92-500. The study was begun in 1973 and is scheduled for completion in 1975. The state conservationist of Ohio has been assigned responsibility for the USDA technical participation in the study.

The USDA primary responsibilities include an appraisal of flooding, erosion and sedimentation, the agricultural reference, and land use and management, with some input into other references.

WATERSHED CONSTRUCTION

Units of Work Planned from July 1, 1974 to October 31, 1975

<u>Congressional District</u>	<u>Watershed and County Location</u>	<u>Contract</u>	<u>PL-566 (Dollars)</u>
5th	Rock Creek-Cass Watershed (Cass and Carroll)	Unit 2	\$ 176,000
		Reach L	
		Sub-Total	\$ 176,000
	Engineering and Project Administration	Sub-Total	52,800
7th	Bachelor Run Watershed (Carroll and Howard)	Unit 4	\$ 250,000
		Trash Rack, Pump Station	7,000
	Busseron Watershed (Sullivan, Vigo, Clay, and Greene)	Str. F-1	210,000
	Fall Creek Watershed (Warren)	Str. 1	68,000
	Little Raccoon Watershed (Parke, Putnam, and Montgomery)	Str. 2-D	97,000
Prairie Creek (Vigo) Watershed (Vigo and Sullivan)	Channel	<u>240,000</u>	
	Sub-Total	\$ 872,000	
Engineering and Project Administration	Sub-Total	\$ 261,600	
9th	Stucker Fork Watershed (Scott, Jefferson, Clark, and Washington)	Str. 13	\$ 200,000
	Twin-Rush Creek Watershed (Washington)	Str. 1	<u>\$ 247,000</u>
	Sub-Total	\$ 447,000	
Engineering and Project Administration	Sub-Total	\$ 134,000	

<u>Congressional District</u>	<u>Watershed and County Location</u>	<u>Contract</u>	<u>PL-566 (Dollars)</u>
10th	Upper Big Blue River Watershed (Henry and Rush)	Str. 5 Str. 13 (Rec. Fac.)	\$ 308,000 74,000
		Sub-Total	\$ 382,000
	Engineering and Project Administration	Sub-Total	\$ 114,600
PL-566 Construction Cost		TOTAL	\$2,440,000
	<u>Land Treatment</u> Installation Services and Technical Assistance	TOTAL	\$ 600,000
		GRAND TOTAL	\$3,040,000

CURRENT AND PROJECTED STATUS OF WATERSHED OPERATIONS

4th Congressional District

Rock Creek (Wells) - Unit No. 2, 14.7 miles of channel work; construction is 51 percent complete. Contractor - Robert D. Marquandt, Monroeville, Indiana; contract cost - \$910,760; approximate completion date - March 1975.

5th Congressional District

Rock Creek (Cass) - Unit No. 1, construction of approximately 1.2 miles of fishway construction; contractor - K and K Industries, Inc., Flora, Indiana; contract cost - \$49,500; approximate completion date - September 1974.

Unit No. 2, construction expected to start - May 1975.

7th Congressional District

Bachelor Run - Unit No. 3, 2.9 miles of channel work; contract awarded - July 1974. Contractor - K and K Industries, Inc., Flora, Indiana; contract cost - \$160,000; approximate completion date - May 1975.

Trash Rack, Pump Station - construction expected to start - August 1974.

Unit No. 4 - Construction expected to start - May 1975.

Busseron Creek - Structure J-1, construction is 45 percent complete; contract cost - \$96,000; contractor - Marsh Construction Company, Seymour, Indiana; approximate completion date - September 1974.

Structure F-1, construction expected to start - August 1974.

Fall Creek - Structure No. 1, construction expected to start - May 1975.

Little Raccoon Creek - Structures 17 and 18, construction is 88 percent complete; construction cost - \$166,000; contractor - Gerald Garrard, Montezuma, Indiana; approximate completion date - August 1974.

Structure 2-D, construction expected to start - August 1974

Little Walnut Creek - Structure No. 4, multiple-purpose recreation dam; contract was awarded - June 1974; construction cost - \$684,000; contractor - Gerald Garrard, Montezuma, Indiana; approximate completion date - October 1975.

Prairie Creek (Vigo) - 4.6 miles of channel work is expected to start May 1975. This channel is the last unit of work in this watershed.

8th Congressional District

West Boggs Creek - Structure No. 1 drainage control; construction is 71 percent complete; construction cost - \$11,000; contractor - Kemp Brothers, Cannelburg, Indiana; approximate completion date - July 1974.

9th Congressional District

Delaney Creek - Structure 5, multiple-purpose recreation dam; construction is 10 percent complete; contract cost - \$235,000; contractor - C. J. Rust Construction Company, Seymour, Indiana; approximate completion date - June 1975.

Stucker Fork - Structure 8, construction is 52 percent complete; construction cost - \$146,000; contractor - Harrison Construction Company, Harrison, Ohio; approximate completion date - September 1974.

Structures 10 and 14, construction is 5 percent complete; construction cost - \$129,000; contractor - Donald W. Myers, Swifty Construction Company, Seymour, Indiana; approximate completion date - June 1975.

Structure 13, construction expected to start - April 1975.

Twin Rush - Structure 1, multiple-purpose recreation dam, construction expected to start July 1975.

10th Congressional District

Upper Big Blue River - Structure 13, multiple-purpose recreation dam; construction is 71 percent complete; construction cost - \$463,000; contractor - C. J. Rust Construction Company, Seymour, Indiana; approximate completion date - September 1974.

Structure 7A; contract was awarded June 1974; construction cost - \$332,000; contractor - Harrison Construction Company, Harrison, Ohio; approximate completion date - September 1975.

Construction of wells for structure 13 recreational facilities - construction expected to start - July 1974.

Structure 5, construction expected to start - April 1975.

Recreational Facilities on structure 13 - construction expected to start - August 1974.

INDIANA CONSERVANCY DISTRICTS
FOR
SMALL WATERSHED PROJECTS
(Active Projects)

ANDERSON RIVER CONSERVANCY DISTRICT

Joe Jasper, Chairman
c/o St. Meinard Abbey
St. Meinard, IN 47577

JORDAN CREEK CONSERVANCY DISTRICT

Jack Cole, Chairman
Williamsport, IN 47993

BACHELOR RUN CONSERVANCY DISTRICT

Milton Bowman, Chairman
P.O. Box 85
Flora, IN 46929

LITTLE RACCOON CONSERVANCY DISTRICT

Joseph B. Feuquay, Chairman
Court House
Rockville, IN 47872

BAILEY-COX-NEWTSON CONSERVANCY DISTRICT

Frank Pulver, Chairman
Route 4
Knox, IN 46534

LITTLE WALNUT CREEK CONSERVANCY DISTRICT

Tilghman Ruark, Chairman
Moore Building
Greencastle, IN 46135

BIG RACCOON CONSERVANCY DISTRICT

Chester Dickerson, Chairman
Masonic Building
Ladoga, IN 47954

LOST RIVER-SPRINGS VALLEY CONSERVANCY DISTRICT

Bill Taggart, Chairman
Roosevelt Street
Orleans, IN 47452

BUSSERON CONSERVANCY DISTRICT

Harold Dodd, Chairman
Court House
P.O. Box 143
Sullivan, IN 47882

MIDDLE FORK WATERSHED CONSERVANCY DISTRICT

Karl Gayer, Chairman
P.O. Box 248
Cannelton, IN 47520

CROYS CREEK CONSERVANCY DISTRICT

Ray Stevenson, Chairman
P. R. 3
Brazil, IN 47834

MILL CREEK-FULTON CONSERVANCY DISTRICT

Loren Cunningham, Chairman
513 N. Main Street
Rochester, IN 46975

DELANEY CREEK CONSERVANCY DISTRICT

Ralph Dickmeyer, Chairman
202 N. Mill Street
Salem, IN 47167

MUDDY FORK WATERSHED CONSERVANCY DISTRICT

John E. Dreyer, Chairman
c/o Borden Museum
Borden, IN 47106

HALL-FLAT CREEK CONSERVANCY DISTRICT

Maurice H. Beckman, Chairman
Federal Building
Jasper, IN 47546

PRAIRIE CREEK-VIGO DISTRICT

Lloyd Deutsch, Chairman
218 Federal Building
Terre Haute, IN 47808

GREATER INDIAN CREEK CONSERVANCY DISTRICT

Dale Mitsch, Chairman
329 Vincennes Street
New Albany, IN 47150

PRIDES CREEK CONSERVANCY DISTRICT

John M. Kidd, Chairman
612 Main Street
Petersburg, IN 47567

ROCK CREEK CASS-CARROLL
CONSERVANCY DISTRICT

Carl B. Jones, Chairman
Market & Monroe Streets
Delphi, IN 46923

ROCK CREEK-WELLS CONSERVANCY
DISTRICT

Herman Osborn, Chairman
122 LaMar Street
Bluffton, IN 46714

STUCKER FORK CONSERVANCY DISTRICT

Harold Fields, Chairman
175½ S. Gardner Street
Scottsburg, IN 47170

TWIN-RUSH CREEK CONSERVANCY DISTRICT

James Paris, Chairman
202 N. Mill Street
Salem, IN 47167

BIG BLUE RIVER CONSERVANCY DISTRICT

George Denton, Chairman
1224½ Broad Street
New Castle, IN 47362

WHITEWATER VALLEY CONSERVANCY DISTRICT

Thomas J. Wright, Chairman
303 South A Street
Richmond, IN 47374



