ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EXECUTIVE DIRECTOR, STATE WATER PLAN
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/UI, DCCA

ISSUE

Public Participation

	Recommendation		FY 1986	FY 1985	FY 1986
	1. Operating Costs	State	4/0	4/0	4/0
		Federal	1/0	1/0	1/0
				0/0.5*	0/0.5*
	2. Operating Costs	State	2.5/0	2.5/0	2.5/0
		Federal	0.5/0	0.5/0	0.5/0
				0/1*	0/1*
	3. Operating Costs	State	0.5/0	0.5/0	0.5/0
		Federal	0	0	0
				0/1.5*	0/1.5*
	4. Operating Costs	State	-	-	-
		Federal			
	5. Operating Costs	State	2/2	2/2	2/2
		Federal	0	0	0
				0/0.5*	0/0.5*
TOTAL	Operating Costs	State	9/2	9/2	9/2
		Federal	1.5/0	1.5/0	1.5/0
				0/3.5*	0/3.5*
	TOTAL COSTS		12.5	16	16

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EXECUTIVE DIRECTOR, STATE WATER PLAN
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, DCCA ISSUE: PUBLIC PARTICIPATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
1. The Taskforce plans an "Awareness Program" for the leadership of the General Assembly and the members and staff of the standing committees which pertain to water. Those in the Senate are the Agriculture, Conservation & Energy Committee; both Appropriations Committees; Local Government Committee; & Transportation Committee. Those in the House of Representatives are Agriculture Committee; both Appropriations Committees; Cities and Villages Committee; County and Townships Committee; Energy, Environment and Natural Resources Committee; and Transportation and Motor Vehicles Committee.	Operating Costs	DOWR	0.5/0	0.5/0	0.5/0	Part of normal program; handled by inhouse staff.
		Federal	0	0	0	
	Operating Costs	DOC	1/0	1/0	1/0	
		Federal	0	0	0	
	Operating Costs	DENR	0.5/0	0.5/0	0.5/0	
		Federal	0	0	0	
	Operating Costs	DOA	2/0	2/0	2/0	
		Federal	0	0	0	
	Operating Costs	EPA	0/0	0/0	0/0	
		Federal	1/0	1/0	1/0	
	Operating Costs	DCCA	-	0	0	
		Federal		0/0.5*	0/0.5*	
Total Costs for Recommendation 1.	Operating Costs	State	4/0	4/0	4/0	
		Federal	1/0	1/0	1/0	
				0/0.5*	0/0.5*	
	Total Costs		5	5.5	5.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EXECUTIVE DIRECTOR, STATE WATER PLAN
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/UI, DCCA ISSUE: PUBLIC PARTICIPATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
2. The Illinois Municipal League (IML) through its Board of Directors, staff and monthly publication entitled "Illinois Municipal Review" should be utilized to publicize the Plan recommendations. Starting with the most critical issue, an article would appear each month in the publication. Also at the Annual IML Conference held in September in Chicago, a public hearing should be conducted by the Water Resource Commission; and a "Public Information Booth" be made available by the Water Resources Commission so members of the Task Force can answer any questions about the State Water Plan.	Operating Costs	DOWR	0.5/0	0.5/0	0.5/0	Part of normal program; handled by inhouse staff.
		Federal	0	0	0	
	Operating Costs	DOC	0.5/0	0.5/0	0.5/0	Existing staff.
		Federal	0	0	0	
	Operating Costs	DENR	0.5/0	0.5/0	0.5/0	
		Federal	0	0	0	
	Operating Costs	DOA	0.5/0	0.5/0	0.5/0	
		Federal	0	0	0	
	Operating Costs	EPA	0	0	0	
		Federal	0.5/0	0.5/0	0.5/0	
	Operating Costs	WRC/UI	0.5/0	0.5/0	0.5/0	
		Federal	0	0	0	
	Operating Costs	DCCA	0	0	0	
		Federal	0	0/1*	0/1*	
Total Costs for Recommendation 2.	Operating Costs	State	2.5/0	2.5/0	2.5/0	
		Federal	0.5/0	0.5/0	0.5/0	
				0/1*	0/1*	
	Total Costs		3	4	4	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EXECUTIVE DIRECTOR, STATE WATER PLAN
IMPLEMENTING AGENCY(IES): DENR, DCCA

ISSUE: PUBLIC PARTICIPATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
3. It is planned to contact the Illinois Association of County Board Members and the Township Officials of Illinois at their zone and state meetings to acquaint them with the Plan and seek their involvement and suggestions.	Operating Costs	DENR	0.5	0.5	0.5	
		Federal	0	0	0	
	Operating Costs	DCCA	-	0	0	
		Federal		0/1.5*	0/1.5*	
Total Costs for Recommendation 3.	Operating Costs	State	0.5	0.5	0.5	
		Federal	0/0	0/0	0/0	
				0/1.5*	0/1.5*	
	Total Costs		0.5	2	2	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EXECUTIVE DIRECTOR, STATE WATER PLAN
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/UI, DCCA ISSUE: PUBLIC PARTICIPATION

Recommendation	FY 1986	FY 1987	FY 1988	Remarks
4. The established Federal Agency Advisory Group, Future Development Advisory Group, the Five Regional Advisory Committes and the public hearings conducted by the Water Resources Commission will be continued through the preparation and public release of the Final Report in early 1984.	Completed in 1984			
Total Costs	-	-	-	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EXECUTIVE DIRECTOR, STATE WATER PLAN
IMPLEMENTING AGENCY(IES): DOA, WRC/UI, DCCA

ISSUE: PUBLIC PARTICIPATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
5. The agencies involved in the Water Plan effort continue to utilize their available means such as new releases, feature articles and short courses to inform their special interest groups about the State Water Plan and its Final Report.	Operating Costs	DOA / Federal	1 / 0	1 / 0	1 / 0	
	Operating Costs	WRC/UI / Federal	1/2 / 0	1/2 / 0	1/2 / 0	
	Operating Costs	DCCA / Federal	-	0 / 0/0.5*	0 / 0/0.5*	
Total Costs for Recommendation 5.	Operating Costs	State / Federal	2/2 / 0	2/2 / 0/0 / 0/0.5*	2/2 / 0/0 / 0/0.5*	
	Total Costs		4	4.5	4.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOC, DOA, EPA

ISSUE

Stream and Lake Use Management

	Recommendation		FY 1986	FY 1987	FY 1988
	1. Operating Costs	State	4.5/0	4.5/0	4.5/0
		Federal	9/0	9/0	9/0
	2. Operating Costs	State	0	0	0
		Federal	9/0	9/0	9/0
	3. Operating Costs	State	0	0	0
		Federal	0	0	0
	4. Operating Costs	State	0	0	0
		Federal	0	0	0
TOTAL	Operating Costs	State	4.5	4.5	4.5
		Federal	18/0	18/0	18/0
	TOTAL COSTS		22.5	22.5	22.5

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOC, DOA, EPA

ISSUE: STREAM AND LAKE USE MANAGEMENT

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
1. Identification of state management authorities and priorities on a reach basis within watersheds. needs.	Operating Costs	DOC / Federal	3/0 / 0	3/0 / 0	3/0 / 0	
	Operating Costs	DOA / Federal	1.5/0 / 0	1.5/0 / 0	1.5/0 / 0	
	Operating Costs	EPA / Federal	0/0 / 9/0	0/0 / 9/0	0/0 / 9/0	
Total Costs for Recommendation 1.	Operating Costs	State / Federal	4.5/0 / 9/0	4.5/0 / 9/0	4.5/0 / 9/0	
	Total Costs		13.5	13.5	13.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): EPA

ISSUE: STREAM AND LAKE USE MANAGEMENT

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
2. Codification within the Illinois Water Quality Management Plan of these management authorities and priorities.	Operating Costs	EPA	0/0	0/0	0/0	
		Federal	9/0	9/0	9/0	
Total Costs for Recommendation 2.	Operating Costs	State	0	0	0	
		Federal	9/0	9/0	9/0	
	Total Costs		9	9	9	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES):

ISSUE: STREAM AND LAKE USE MANAGEMENT

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
3. Responding to and resolving conflicts or gaps of authority and management priorities.						
Total Costs for Recommendation 3.	Operating Costs	State	-	-	-	
		Federal				
	Total Costs		0	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES):

ISSUE: STREAM AND LAKE USE MANAGEMENT

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
4. Identification of roles and responsibilities that each agency will play in these efforts and develop interagency work plans on an annual basis.						
Total Costs for Recommendation 4.	Operating Costs	State	0	0	0	
		Federal	0	0	0	
	Total Costs		0	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA

ISSUE

Stream Data Measurements

	Recommendation		FY 1986	FY 1987	FY 1988
	1. Operating Costs	State	4/0	0/0	0/0
		Federal	0	0	0
	2. Operating Costs	State	358.3/0	380/78	382/150
		Federal	266.3/0*	403/60*	427/130*
	3. Operating Costs	State	619/140	629/345	639/365
		Federal	300/80	300/80	300/80
	4. Operating Costs	State	8/0	3/0	3/0
		Federal	0	0	0
	5. Operating Costs	State	1/0	1/0	1/0
		Federal	0	0	0
TOTAL	Operating Costs	State	990.3/140	1013/423	1025/515
		Federal	300/80	300/80	300/80
			266.3/0*	403/60*	427/130*
	TOTAL COSTS		1776.6	2279	2477

[illegible]

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DOC, DENR

ISSUE: STREAM DATA MEASUREMENTS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
1. That upon completion of the streamgaging network analyses, the work group will bring to the Task Force a recommended minimum streamgaging network for consideration.	Operating Costs	DOC / Federal	1/0 / 0	0 / 0	0 / 0	Existing staff.
	Operating Costs	DENR / Federal	3/0 / 0	-	-	
Total Costs for Recommendation 1.	Operating Costs	State / Federal	4/0 / 0/0	0/0 / 0/0	0/0 / 0/0	
	Total Costs		4	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DOWR, DENR, EPA

ISSUE: STREAM DATA MEASUREMENTS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
2. That upon study of the work group's recommendation, and the results of the network analyses, the Task Force will identify a minimum network configuration and assist in seeking future funding of that network.	Operating Costs	DOWR / Federal	300/0 / 208/0*	320/60 / 325/60*	320/130 / 345/130*	Expansion of network to optimum levels.
	Operating Costs	DENR / Federal	58.3/0 / 58.3/0*	60/18 / 78/0*	62/20 / 82/0*	Expansion of stream gage network to optimum levels.
Total Costs for Recommendation 2.	Operating Costs	State / Federal	358.3/0 / 266.3/0*	380/78 / 403/60*	382/150 / 427/130*	
	Total Costs		624.6	921	1089	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DENR, EPA

ISSUE: STREAM DATA MEASUREMENTS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
3. That network evaluations be performed as well on the water quality network and the suspended sediment network.	Operating Costs	DENR	90/0	100/200	110/220	Sediment network.
		Federal	0	0	0	
	Operating Costs	EPA	529/140	529/145	529/145	200K plus additional funding needed annually to support optimum network.
		Federal	300/80	300/80	300/80	
Total Costs for Recommendation 3.	Operating Costs	State	619/140	629/345	639/365	
		Federal	300/80	300/80	300/80	
	Total Costs		1139	1354	1384	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DENR, DOA

ISSUE: STREAM DATA MEASUREMENTS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
4. That the base of support for the networks be broadened by identification of users and user benefits, both in state and out of state.	Operating Costs	DENR / Federal	5/0 / 0	-	-	
	Operating Costs	DOA / Federal	3/0 / 0	3/0 / 0	3/0 / 0	SWCD collection of data for sediment network.
Total Costs for Recommendation 4.	Operating Costs	State / Federal	8/0 / 0	3/0 / 0	3/0 / 0	
	Total Costs		8	3	3	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DENR

ISSUE: STREAM DATA MEASUREMENTS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
5. That requests for stream measurement data be made known to sponsoring agencies.	Operating Costs	DENR / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
	Operating Costs	State / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
Total Costs for	Total Costs		1	1	1	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, EPA, WRC/UI

ISSUE

Stream Indexing

	Recommendation		FY 1986	FY 1987	FY 1988
	1. Operating Costs	State	4.2/0	4.2/0	4.2/0
		Federal	0	0	0
	2. Operating Costs	State	8/0	8/0	8/0
		Federal	0	0	0
	3. Operating Costs	State	21.5/0	21.5/0	21.5/0
		Federal	3/0	3/0	3/0
TOTAL	Operating Costs	State	33.7/0	33.7/0	33.7/0
		Federal	3/0	3/0	3/0
	TOTAL COSTS		36.7	36.7	36.7

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOC, DENR

ISSUE: STREAM INDEXING

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
1. Since the stream identification procedures in use and under development by state agencies represent a substantial investment, are to a large extent integral parts of computerized water resource information systems, and were developed to meet objectives specific to individual agencies, it is recommended that:						
A. A stream number/code cross-reference table will be prepared by the State Water Survey indicating the various stream identifying numbers and codes used by different agencies by stream.	Operating Costs	DOC	0.5	0.5	0.5	.5/year beyond FY 86.
		Federal	0	0	0	
B. Agencies will utilize the cross-reference table when conducting inter-agency activities involving stream-related information, specifically, identify streams by their own number/code, and, if appropriate, by other agencies' number/code.	Operating Costs	DOC	1.7	1.7	1.7	1.7/year for 2 more years beyond FY 86.
		Federal	0	0	0	
	Operating Costs	DENR	2	2	2	
		Federal	0	0	0	
Total Costs for Recommendation 1.	Operating Costs	State	4.2	4.2	4.2	
		Federal	0	0	0	
	Total Costs		4.2	4.2	4.2	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOC, DENR

ISSUE: STREAM INDEXING

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
2. For many agencies, RMI's are used primarily for locating individual stream-related features such as gaging stations. For other agencies, accurate river mile to river mile measurements of features such as riparian vegetation are needed for planning and analysis purposes. Based on the Department of Conservation's ISIS Sangamon River Basin data collection and analysis experience, two basic levels of errors were found in the USGS publication for RMI's in the basin: major errors of one or more miles and minor errors generally of .1 to .5 miles. Given the variety of uses of RMI's, it is recommended that:						
A. The Department of Conservation, in cooperation with other agencies represented on the Streams Indexing Workgroup, will identify these major errors in the USGS publication for the Sangamon River Basin, and for other basins as ISIS is completed, and provide this information to other agencies represented on the State Water Plan Task Force.	Operating Costs	DOC	0	0	0	Existing staff; most of these costs are included in ISIS development.
		Federal	0	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOC, DENR

ISSUE: STREAM INDEXING

Recommendation (cont.)			FY 1986	FY 1987	FY 1988	Remarks
B. That agencies recognize and utilize these corrected RMI's when conducting interagency activities involving stream-related information.	Operating Costs	DOC	4/0	4/0	4/0	4/year for 2 years beyond FY 86.
		Federal	0	0	0	
	Operating Costs	DENR	4/0	4/0	4/0	
		Federal	0	0	0	
Total Costs for Recommendation 2.	Operating Costs	State	8/0	8/0	8/0	
		Federal	0	0	0	
	Total Costs		8	8	8	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOC
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, EPA, WRC/UI

ISSUE: STREAM INDEXING

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
3. Since collection of water resource information is an on-going process and agencies continually develop, revise, and expand their water resource information systems, a mechanism is needed for agenices to keep abreast of new developments and resolve issues such as streams indexing when they may impact interagency water resource information transfer. Therefore, it is recommended that:						
A. Agencies will continue to meet as needed to review progress and resolve issues related to streams indexing and water resource information in general.	Operating Costs	DOWR	0.5/0	0.5/0	0.5/0	Part of normal program; handled by inhouse staff.
		Federal	0	0	0	
	Operating Costs	DOC	1/0	1/0	1/0	
		Federal	0	0	0	
	Operating Costs	DENR	1/0	1/0	1/0	
		Federal	0	0	0	
	Operating Costs	EPA	0/0	0/0	0/0	Efforts to complete this work will be carried out within normal program.
		Federal	3/0	3/0	3/0	
	Operating Costs	WRC/UI	19/0	19/0	19/0	
		Federal	0	0	0	
Total Costs for Recommendation 3.	Operating Costs	State	21.5/0	21.5/0	21.5/0	
		Federal	3/0	3/0	3/0	
	Total Costs		24.5	24.5	24.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, WRC/UI

ISSUE

Natural Resource
Information Systems

	Recommendation		FY 1986	FY 1987	FY 1988
	1. Operating Costs	State	Issue out of date - needs to be revised		
		Federal			
	Capital Costs	State			
		Federal			
	2. Operating Costs	State			
		Federal			
	3. Operating Costs	State			
		Federal			
	4. Operating Costs	State			
		Federal			
TOTAL	Operating Costs	State			
		Federal			
	TOTAL COSTS				

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DENR

ISSUE: NATURAL RESOURCE INFORMATION SYSTEMS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
1. Functions of the recently established statewide natural resources information center will be expanded as feasible by Illinois State Water Survey.	Operating Costs	DENR / Federal				
	Capital Costs	DENR / Federal				
			Issue out of date - needs to be revised			
Total Costs for Recommendation 1.	Operating Costs	State / Federal				
	Capital Costs	State / Federal				
	Total Costs					

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, WRC/UI

ISSUE: NATURAL RESOURCE INFORMATION SYSTEMS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
2. A workgroup of the Water Plan Task Force will be established as the core membership for an INRIC user policy committee.	Operating Costs	DOWR / Federal	Issue out of date - needs to be revised			
	Operating Costs	DOC / Federal				
	Operating Costs	DENR / Federal				
	Operating Costs	WRC/UI / Federal				
Total Costs for Recommendation 2.	Operating Costs	State / Federal				
	Total Costs					

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES): DENR

ISSUE: NATURAL RESOURCE INFORMATION SYSTEMS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
3. A referral service will be continued as the first phase of INRIC operation.	Operating Costs	DENR				
		Federal	Issue out of date - needs to be revised			
Total Costs for Recommendation 3.	Operating Costs	State				
		Federal				
	Total Costs					

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS
IMPLEMENTING AGENCY(IES):

ISSUE: NATURAL RESOURCE INFORMATION SYSTEMS

Recommendation		FY 1986	FY 1987	FY 1988	Remarks
4. The concept of a computer center to support INRIC and provide natural resources data and services to users will continue to be explored.					Issue out of date - needs to be revised
Total Costs for Recommendation 4.	Operating Costs State				
	Federal				
	Total Costs				

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOWR, DOC, DOA, EPA

ISSUE

Water Resource
Permit Coordination

	Recommendation		FY 1986	FY 1987	FY 1988
	1. Operating Costs	State	0	0	0
		Federal	0	0	0
	2. Operating Costs	State	3.6/0	3.6/0	3.6/0
		Federal	1/0	1/0	1/0
	3. Operating Costs	State	6.3/0	6.3/0	6.3/0
		Federal	2/0	2/0	2/0
	4. Operating Costs	State	0	0	0
		Federal	0	0	0
	5. Operating Costs	State	5/0	5/0	5/0
		Federal	1/0	1/0	1/0
	6. Operating Costs	State	1/0	1/0	1/0
		Federal	12/0	12/0	12/0
	7. Operating Costs	State	7.2/0	7.2/0	7.2/0
		Federal	2/0	2/0	2/0
	8. Operating Costs	State	0	0	0
		Federal	0	0	0
TOTAL	Operating Costs	State	23.1/0	23.1/0	23.1/0
		Federal	18/0	18/0	18/0
	TOTAL COSTS		41.1	41.1	41.1

[illegible]

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOC

ISSUE: WATER RESOURCE PERMIT COORDINATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
1. Initiate the development of an inventory of wetlands in the State (DOC) for use by the agencies involved for use in present permit authority (DOWR) and possible outright purchase (DOC).	Operating Costs	DOC	-	-	-	See Aquatic and Riparian Habitat Issue.
		Federal				
Total Costs for Recommendation 1.	Operating Costs	State	0	0	0	
		Federal	0	0	0	
	Total Costs		0	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOWR, DOC, EPA

ISSUE: WATER RESOURCE PERMIT COORDINATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
2. Continue downstate, the series of educational seminars for consultants and project sponsors on the explanation of the permitting functions and authorities augmented by an explanation of the concerns of these agencies plus the concerns of agencies which do not have permit authority but have an interest.	Operating Costs	DOWR / Federal	2/0 / 0	2/0 / 0	2/0 / 0	Part of normal program; handled by inhouse staff.
	Operating Costs	DOC / Federal	0.6/0 / 0	0.6/0 / 0	0.6/0 / 0	Existing staff.
	Operating Costs	EPA / Federal	1/0 / 1/0	1/0 / 1/0	1/0 / 1/0	This is a cooperative effort as part of the normal program basis.
Total Costs for Recommendation 2.	Operating Costs	State / Federal	3.6/0 / 1/0	3.6/0 / 1/0	3.6/0 / 1/0	
	Total Costs		4.6	4.6	4.6	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOWR, DOC, EPA

ISSUE: WATER RESOURCE PERMIT COORDINATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
3. Organize a project review team composed of staff members of each of the concerned agencies to meet regularly and with a set agenda to discuss projects under review by one or more of the agencies.	Operating Costs	DOWR / Federal	3/0 / 0	3/0 / 0	3/0 / 0	Part of normal program; handled by inhouse staff.
	Operating Costs	DOC / Federal	2.3/0 / 0	2.3/0 / 0	2.3/0 / 0	Existing staff.
	Operating Costs	EPA / Federal	1/0 / 2/0	1/0 / 2/0	1/0 / 2/0	This is handled as part of the normal program base.
Total Costs for Recommendation 3.	Operating Costs	State / Federal	6.3/0 / 2/0	6.3/0 / 2/0	6.3/0 / 2/0	
	Total Costs		8.3	8.3	8.3	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOC

ISSUE: WATER RESOURCE PERMIT COORDINATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
4. Continue to develop an inventory of stream crossings both aerial and underground to aid other function of the involved agencies.	Operating Costs	DOC	-	-	-	Costs included in ISIS development.
		Federal				
Total Costs for Recommendation 4.	Operating Costs	State	0	0	0	
		Federal	0	0	0	
	Total Costs		0	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOWR, DOC, DOA, EPA

ISSUE: WATER RESOURCE PERMIT COORDINATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
5. Develop a series of seminars for people in the field (Federal, State and local agencies and private organizations) to cover the subjects of the State's role in permit authority and the State's concern with other environmental issues related to construction in wetland, floodways, floodplains, sludge management, and lake rehabilitation.	Operating Costs	DOWR	2/0	2/0	2/0	Handled by inhouse staff.
		Federal	0	0	0	
	Operating Costs	DOC	2/0	2/0	2/0	Existing staff.
		Federal	0	0	0	
	Operating Costs	DOA	1/0	1/0	1/0	
		Federal	0	0	0	
	Operating Costs	EPA	0/0	0/0	0/0	
		Federal	1/0	1/0	1/0	
Total Costs for Recommendation 5.	Operating Costs	State	5/0	5/0	5/0	
		Federal	1/0	1/0	1/0	
	Total Costs		6	6	6	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOC, EPA

ISSUE: WATER RESOURCE PERMIT COORDINATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
6. Develop educational pamphlets on the subjects of erosion control, channelization and hydrologic modification emphasizing the permit authorities of the state. This effort could also be undertaken by an outside private organization with advice and counsel by the State.	Operating Costs	DOC / Federal	1/0 / 0	1/0 / 0	1/0 / 0	Existing staff.
	Operating Costs	EPA / Federal	0/0 / 12/0	0/0 / 12/0	0/0 / 12/0	
Total Costs for Recommendation 6.	Operating Costs	State / Federal	1/0 / 12/0	1/0 / 12/0	1/0 / 12/0	
	Total Costs		13	13	13	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOWR, DOC, EPA

ISSUE: WATER RESOURCE PERMIT COORDINATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
7. Continue with the discussions of additional topics, to expand and explore further the possible options of program changes.	Operating Costs	DOWR / Federal	2/0 / 0	2/0 / 0	2/0 / 0	Part of normal program.
	Operating Costs	DOC / Federal	4.2/0 / 0	4.2/0 / 0	4.2/0 / 0	Existing staff.
	Operating Costs	EPA / Federal	1/0 / 2/0	1/0 / 2/0	1/0 / 2/0	
Total Costs for Recommendation 7.	Operating Costs	State / Federal	7.2/0 / 2/0	7.2/0 / 2/0	7.2/0 / 2/0	
	Total Costs		9.2	9.2	9.2	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): EPA
IMPLEMENTING AGENCY(IES): DOC, EPA

ISSUE: WATER RESOURCE PERMIT COORDINATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
8. Development of a policy for use by all affected agencies to prohibit the sitting of landfills in floodplains.	Operating Costs	DOC	0	0	0	Existing staff.
		Federal	0	0	0	
	Operating Costs	EPA	0	0	0	
		Federal	0	0	0	
Total Costs for Recommendation 8.	Operating Costs	State	0	0	0	
		Federal	0	0	0	
	Total Costs		0	0	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS/WRC-UI
IMPLEMENTING AGENCY(IES): DOC, DENR, DOA, EPA, WRC/UI

ISSUE

Water Resources
Research and Education

Recommendation		FY 1986	FY 1987	FY 1988
1. Operating Costs	State	4.5/0	2.5/0	4.5/0
	Federal	0	0	0
2. Operating Costs	State	0.5/0	0.5/0	0.5/0
	Federal	0	0	0
3. Operating Costs	State	6.1/0	5.1/0	5.1/0
	Federal	3.5/0	3.5/0	3.5/0
4. Operating Costs	State	117/0	150/0	225/0
	Federal	115/0*	150/0*	150/0*
TOTAL Operating Costs	State	128.1/0	158.1/0	235.1/0
	Federal	3.5/0	3.5/0	3.5/0
		115/0*	150/0*	150/0*
TOTAL COSTS		246.6	311.6	388.6

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS/WRC-UI
IMPLEMENTING AGENCY(IES): DOA, WRC/UI

ISSUE: WATER RESOURCES RESEARCH AND EDUCATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
1. With the assistance of the March 1983 report, State agency personnel will contact researchers identified as conducting research relevant to their needs and begin a mutually beneficial dialogue.	Operating Costs	DOA	0.5/0	0.5/0	0.5/0	
		Federal	0	0	0	
	Operating Costs	WRC/UI	4/0	2/0	4/0	
		Federal	0	0	0	
Total Costs for Recommendation 1.	Operating Costs	State	4.5	2.5	4.5	
		Federal	0	0	0	
	Total Costs		4.5	2.5	4.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS/WRC-UI
IMPLEMENTING AGENCY(IES): WRC/UI

ISSUE: WATER RESOURCES RESEARCH AND EDUCATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
2. Researchers at Illinois universities and state scientific surveys will consult with state agencies and should begin addressing the research needs of the State Water Plan Task Force.	Operating Costs	WRC/UI	0.5/0	0.5/0	0.5/0	
		Federal	0	0	0	
Total Costs for Recommendation 2.	Operating Costs	State	.5/0	.5/0	.5/0	
		Federal	0	0	0	
	Total Costs		.5	.5	.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS/WRC-UI
IMPLEMENTING AGENCY(IES): DOC, DENR, DOA, EPA, WRC/UI

ISSUE: WATER RESOURCES RESEARCH AND EDUCATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
3. State water resources planners and researchers will continue to meet at least annually to share information on water resources research and research needs. More frequent workshops on selected topics should be supported and encouraged. Representative water managers and major water users from industry, municipalities, agriculture, water supply utilities, waste treatment utilities, legislators, state and federal agencies and universities should be invited to these meetings.	Operating Costs	DOWR / Federal	1/0 / 0	1/0 / 0	1/0 / 0	Existing staff.
	Operating Costs	DOC / Federal	0.6/0 / 0	0.6/0 / 0	0.6/0 / 0	Existing staff.
	Operating Costs	DENR / Federal	2/0 / 0	2/0 / 0	2/0 / 0	Within normal program.
	Operating Costs	DOA / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	
	Operating Costs	EPA / Federal	0/0 / 0.5/0	0/0 / 0.5/0	0/0 / 0.5/0	
	Operating Costs	WRC/UI / Federal	2/0 / 3/0	1/0 / 3/0	1/0 / 3/0	
Total Costs for Recommendation 3.	Operating Costs	State / Federal	6.1/0 / 3.5/0	5.1/0 / 3.5/0	5.1/0 / 3.5/0	
	Total Costs		9.6	8.6	8.6	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DENR-SWS/WRC-UI
IMPLEMENTING AGENCY(IES): WRC/UI

ISSUE: WATER RESOURCES RESEARCH AND EDUCATION

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
4. In light of the current federal philosophy that water resources planning and management are state responsibilities and federal cutbacks in water research funds, the State of Illinois will closely coordinate its support of water data collection and research programs. The State Water Survey has the broad mandate in its enabling legislation to coordinate water resources research in Illinois. Local government and the private industry are urged to support a program of water research and data collection programs in Illinois. This program should (1) address the problems and research needs of local government and agencies managing the water resources of Illinois and (2) provide opportunities for students at our colleges and universities to participate in water resources research to ensure that qualified professionals will continue to be available to Illinois agencies and industries in the future.	Operating Costs	WRC/UI	117/0	150/0	225/0	
		Federal	115/0*	150/0*	150/0*	
Total Costs for Recommendation 4.	Operating Costs	State	117/0	150/0	225/0	
		Federal	115/0*	150/0*	150/0*	
	Total Costs		232	300	375	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/UI

ISSUE

Reservoir and Lake Operations

	Recommendation		FY 1986	FY 1987	FY 1988
	1. Operating Costs	State	2/0	2/0	2/0
		Federal	0	0	0
	2. Operating Costs	State	94.5/0	94.5/0	94.5/0
		Federal	35/0	35/0	35/0
	Capital Costs	State	700/0	540/500	540/500
		Federal	700/0	500/500	500/500
	3. Operating Costs	State	1/0	1/0	1/0
		Federal	0	0	0
	4. Operating Costs	State	4.8/0	4.8/0	4.8/0
		Federal	0	0	0
	5. Operating Costs	State	0.5/0	0.5/0	0.5/0
		Federal	0	0	0
	6. Operating Costs	State	0.5/0	0.5/0	0.5/0
		Federal	0	0	0
	7. Operating Costs	State	0.5/0	0.5/0	0.5/0
		Federal	0	0	0
	8. Operating Costs	State	0/0	0/355	0/315
		Federal	0	0	0
TOTAL	Operating Costs	State	103.8/0	103.8/355	103.8/315
		Federal	35/0	35/0	35/0
	Capital Costs	State	700/0	540/500	540/500
		Federal	700/0	500/000	500/500
	TOTAL COSTS		1538.8	2533.8	2493.8

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ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR

ISSUE: RESERVOIR AND LAKE OPERATIONS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
1. The Division of Water Resources and Department of Conservation will develop an interim protected instream low flow standard and procedures for implementation of the interim standard for all new reservoir projects.	Operating Costs	DOWR	2	2	2	Handled by inhouse staff.
		Federal	0	0	0	
Total Costs for Recommendation 1.	Operating Costs	State	2	2	2	
		Federal	0	0	0	
	Total Costs		2	2	2	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOC, EPA, WRC/UI

ISSUE: RESERVOIR AND LAKE OPERATIONS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
2. The Illinois EPA will further develop and implement a Reservoir and Lake Protection and Enhancement Program for Illinois to include technical assistance regarding lake quality protection, management, and restoration with an integrated approach to lake use enhancement including watershed protection.	Operating Costs	DOC / Federal	4.5/0 / 0	4.5/0 / 0	4.5/0 / 0	Existing staff.
	Capital Costs	DOC / Federal	0/0 / 0	40/0 / 0	40/0 / 0	Capital to match USEPA Section 314 monies (Clean Lakes Program) for DOC lakes.
	Operating Costs	EPA / Federal	70/0 / 35/0	70/0 / 35/0	70/0 / 35/0	Funding required for Clean Lake Program projects.
	Capital Costs	EPA / Federal	700/0 / 700/0	500/500 / 500/500	500/500 / 500/500	
	Operating Costs	WRC/UI / Federal	20/0 / 0	20/0 / 0	20/0 / 0	
Total Costs for Recommendation 2.	Operating Costs	State / Federal	94.5/0 / 35/0	94.5/0 / 35/0	94.5/0 / 35/0	
	Capital Costs	State / Federal	700/0 / 700/0	540/500 / 500/500	540/500 / 500/500	
	Total Costs		1529.5	2169.5	2169.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DOC, DOA

ISSUE: RESERVOIR AND LAKE OPERATIONS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
3. All state water resource agencies will take an active role in the pre-project planning and resolution of the multi-purpose operational procedures and policies for all newly proposed reservoir projects. DOWR is designated lead agency for State sponsored multi-purpose reservoir projects.	Operating Costs	DOWR / Federal	-	-	-	Part of normal program; costs vary annually.
	Operating Costs	DOC / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	
	Operating Costs	DOA / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	
Total Costs for Recommendation 3.	Operating Costs	State / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
	Total Costs		1	1	1	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA

ISSUE: RESERVOIR AND LAKE OPERATIONS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
4. Affected water resource agencies of Illinois and Corps of Engineers should meet annually during the second week of April to discuss operation and management issues and opportunities at all Illinois State-Corps Reservoirs.	Operating Costs	DOWR / Federal	2/0 / 0	2/0 / 0	2/0 / 0	Handled by inhouse staff.
	Operating Costs	DOC / Federal	1.3/0 / 0	1.3/0 / 0	1.3/0 / 0	Existing staff.
	Operating Costs	DENR / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
	Operating Costs	DOA / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	
Total Costs for Recommendation 4.	Operating Costs	State / Federal	4.8/0 / 0	4.8/0 / 0	4.8/0 / 0	
	Total Costs		4.8	4.8	4.8	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOC

ISSUE: RESERVOIR AND LAKE OPERATIONS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
5. All water supply impoundments with controlling gates should balance reservoir inflows with outflows so that damages to agricultural flood-plain lands are not increased.	Operating Costs	DOC	0.5	0.5	0.5	Existing staff.
		Federal	0	0	0	
Total Costs for Recommendation 5.	Operating Costs	State	0.5	0.5	0.5	
		Federal	0	0	0	
	Total Costs		0.5	0.5	0.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOC

ISSUE: RESERVOIR AND LAKE OPERATIONS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
6. All non-State reservoir developments will be processed as a "multi-agency permit coordination review" issue.	Operating Costs	DOC / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	Existing staff.
Total Costs for Recommendation 6.	Operating Costs	State / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	
	Total Costs		0.5	0.5	0.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DOC

ISSUE: RESERVOIR AND LAKE OPERATIONS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
7. The State water resource agencies will work with all water supply impoundment developers to insure that all projects optimize the available water supply storage.	Operating Costs	DOC	0.5	0.5	0.5	Existing staff.
		Federal	0	0	0	
Total Costs for Recommendation 7.	Operating Costs	State	0.5	0.5	0.5	
		Federal	0	0	0	
	Total Costs		0.5	0.5	0.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): DOWR
IMPLEMENTING AGENCY(IES): DENR

ISSUE: RESERVOIR AND LAKE OPERATIONS

Recommendation			FY 1986	FY 1987	FY 1988	Remarks
8. The State Water Survey will continue to conduct lake sedimentation surveys and pursue research on methods for reducing reservoir sedimentation rates.						
A. Lake Sedimentation Surveys	Operating Costs	DENR / Federal	-	0/205 / 0	0/165 / 0	For sedimentation surveys.
B. Sedimentation Research	Operating Costs	DENR / Federal	-	0/150 / 0	0/150 / 0	Requires additional appropriations continuing through FY 90.
Total Costs for Recommendation 8.	Operating Costs	State / Federal	0/0 / 0	0/355 / 0	0/315 / 0	
	Total Costs		0	355	315	

JP:bjh/sp/1313E/1314E