ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE

Water Use Law

	Recommendation		FY 1984	FY 1985	FY 1986
	1. Operating Costs	State/Federal	27/0	17/40	2/20
			0	0	0
	2. Operating Costs	State/Federal	1/0	6/0	6/0
			0	0	0
	3. Operating Costs	State/Federal	--	--	--
	4. Operating Costs	State/Federal	1/0	1/0	1/0
			0	0	0
TOTAL	Operating Costs	State/Federal	29/0	24/40	9/20
			0	0	0
	TOTAL COSTS		29	64	29

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: WATER USE LAW

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. The State of Illinois has conferred broad powers on the Department of Transportation to preserve and protect the "public waters" of the State in the "Rivers and Lakes Act of 1991," Ill. Rev. Stat. Ch. 19, Sec. 52-78. The full scope of these powers is presently unknown because of the lack of a clear definition of the term "public waters." A determination of the "public waters" of the State is important because it effects the implementation of many of the recommendations in this Plan. Therefore:						
A. The State of Illinois through the Department of Transportation Division of Water Resources will immediately undertake a comprehensive investigation to precisely define and identify the "public waters" of the State of Illinois.	Operating Costs	DOWR / Federal	20 / 0	0/40 / 0	0/20 / 0	
	Operating Costs	DOC / Federal	1 / 0	1 / 0	1 / 0	In-house review and comment.
	Operating Costs	DOA / Federal	1/0 / 0	1/0 / 0	1/0 / 0	Review of legal assessment.
	Operating Costs	WRC/UI / Federal	5/0 / 0	15/0 / 0	0 / 0	
B. The Department will also develop appropriate administrative rules and a regulatory program to protect the public's rights and interests in the "public waters".						
Total costs for Recommendation 1.	Operating Costs	State / Federal	27/0 / 0	17/40 / 0	2/20 / 0	
	Total Costs		27	57	22	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: WATER USE LAW

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. There is virtually no statutory or common law which provides for the management and protection of the quantity of water in the prime groundwater aquifers of the State. There is no adequate enabling authority for groundwater management districts in Illinois. These districts, although, have been successful in other regions of the nation. Therefore:						
A. The State will work with groundwater users to develop legislation and a program to provide for the creation of local groundwater management districts where needed to manage water supplies.	Operating Costs	DOWR	--	5/0	5/0	Part of normal program; handled by in-house staff.
		Federal		0	0	
	Operating Costs	DOA	1/0	1/0	1/0	Agency review and local assistance.
		Federal	0	0	0	
B. The State Water Survey will provide groundwater data to soil and water conservation districts in fulfilling requirements of P.A. 83-700, and added support is essential.						
Total costs for Recommendation 2.	Operating Costs	State	1/0	6/0	6/0	
		Federal	0	0	0	
	Total Costs		1	6	6	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: WATER USE LAW

Recommendation		FY 1984	FY 1985	FY 1986	Remarks
3. There is currently no legislation or program which provides for the determination of minimum flows or levels in Illinois streams and lakes for the protection of aquatic life, minimum water quality standards, and instream water uses. Therefore:					
A. The State must develop a program and evaluate the need for legislation which will allow for the determination and protection of minimum instream flows and lake levels within the State of Illinois. (See Aquatic and Riparian Habitat)		--	--	--	See Aquatic and Riparian Habitat Issue.
Total costs for Recommendation 3.	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): DOWR
IMPLEMENTING AGENCY(IES): DOA

ISSUE: WATER USE LAW

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
4. Conflicts in Illinois over water use and development generally do not become apparent until the occurrence of a prolonged drought event. These conflicts and droughts are generally of a regional nature. The regions can be defined with reasonable accuracy through application of water balance models and drought-duration-frequency analysis. Therefore:						
A. Through the State Water Survey, the State will continue to monitor water use on a statewide basis and evaluate the balance of supplies and demands on a regional basis.	Operating Costs	DOA	1/0	1/0	1/0	
		Federal	0	0	0	
B. When regional imbalances of supplies and demands become apparent which cannot be rectified by local action, legislation may be required to use State emergency powers to manage and allocate water in such regions during the water shortage emergency.						
Total costs for Recommendation 4.	Operating Costs	State	1/0	1/0	1/0	
		Federal	0	0	0	
	Total Costs		1	1	1	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE

Integrated Water Management

	Recommendation		FY 1984	FY 1985	FY 1986
	1. Operating Costs	State/Federal	26/0 9/0	20/0 9/0	20/0 9/0
	2. Operating Costs	State/Federal	70.5/0 170/0	78.5/0 170/0	78.5/0 170/0
	3. Operating Costs	State/Federal	--	0/100 0	--
	4. Operating Costs	State/Federal	1.5/0 2/0	7/0 2/0	5.5/0 2/0
TOTAL	Operating Costs	State/Federal	98/0 181/0	105.5/100 181/0	104/0 181/0
	TOTAL COSTS		279	386.5	285

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: INTEGRATED WATER MANAGEMENT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. A Sucessor Group to the State Water Plan Taskforce will be established.	Operating Costs	DOWR / Federal	14/0 / 0	8/0 / 0	8/0 / 0	Cost for Taskforce staff participation and Executive Director.
	Operating Costs	DOC / Federal	5 / 0	5 / 0	5 / 0	Existing staff.
	Operating Costs	DOA / Federal	3/0 / 0	3/0 / 0	3/0 / 0	
	Operating Costs	EPA / Federal	0 / 9/0	0 / 9/0	0 / 9/0	
	Operating Costs	WRC/UI / Federal	4/0 / 0	4/0 / 0	4/0 / 0	
Total costs for Recommendation 1.	Operating Costs	State / Federal	26/0 / 9/0	20/0 / 9/0	20/0 / 9/0	
	Total Costs		35	29	29	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: INTEGRATED WATER MANAGEMENT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
2. Identify the location of geographic priorities.	Operating Costs	DOWR / Federal	2/0 / 0	10/0 / 0	10/0 / 0	Handled by in-house staff.
	Operating Costs	DOC / Federal	1.5 / 0	1.5 / 0	1.5 / 0	Existing staff.
	Operating Costs	DENR / Federal	6/0 / 0	6/0 / 0	6/0 / 0	
	Operating Costs	DOA / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
	Operating Costs	EPA / Federal	60/0 / 170/0	60/0 / 170/0	60/0 / 170/0	This includes on-going basin efforts (including laboratory costs) and zone of impact studies being completed at treatment plants.
Total costs for Recommendation 2.	Operating Costs	State / Federal	70.5/0 / 170/0	78.5/0 / 170/0	78.5/0 / 170/0	
	Total Costs		240.5	248.5	248.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: INTEGRATED WATER MANAGEMENT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
3. Develop incremental Data Base Management.	Operating Costs	DENR	0	0/100	0	
		Federal	0	0	0	
Total costs for Recommendation 3.	Operating Costs	State	0	0/100	0	
		Federal	0	0	0	
	Total Costs		0	100	0	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: INTEGRATED WATER MANAGEMENT

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
4. Establish a system for accountability.	Operating Costs	DOWR / Federal	0 / 0	4/0 / 0	4/0 / 0	Part of normal program; handled by in-house staff.
	Operating Costs	DOC / Federal	1/0 / 0	1/0 / 0	1/0 / 0	Existing staff.
	Operating Costs	DOA / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	
	Operating Costs	EPA / Federal	0 / 2/0	0 / 2/0	0 / 2/0	No additional costs incurred for implementation.
Total costs for Recommendation 4.	Operating Costs	State / Federal	1.5/0 / 2/0	7/0 / 2/0	5.5/0 / 2/0	
	Total Costs		3.5	9	7.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE

Conflict Resolution

	Recommendation		FY 1984	FY 1985	FY 1986
	1. Operating Costs	State/Federal	1/0/0	1/0/0	1/0/0
	2. Operating Costs	State/Federal	--	--	--
	3. Operating Costs	State/Federal	--	--	--
	4. Operating Costs	State/Federal	1/0/0	1/0/0	1/0/0
	5. Operating Costs	State/Federal	--	--	--
	6. Operating Costs	State/Federal	--	--	--
	7. Operating Costs	State/Federal	58/0/12	58/0/12	58/50/12
	8. Operating Costs	State/Federal	--	--	--
TOTAL	Operating Costs	State/Federal	60/0/12	60/0/12	60/50/12
	TOTAL COSTS		72	72	122

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: CONFLICT RESOLUTION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
1. Conflicts should be resolved at the lowest feasible level of government.	Operating Costs	DOA / Federal	1/0 / 0	1/0 / 0	1/0 / 0	Assistance to local SWCD's when requested.
	Operating Costs	SWS / Federal	--	--	--	See Competition for Water.
Total Costs for Recommendation 1.	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): EXECUTIVE DIRECTOR, STATE WATER PLAN
IMPLEMENTING AGENCY(IES):

ISSUE: CONFLICT RESOLUTION

Recommendation	FY 1984	FY 1985	FY 1986	Remarks
2. As discussed in another section of this report, on Illinois Water Use Law, the statutes with regard to public waters will be clarified through interpretation.	--	--	--	See Water Use Law.

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: CONFLICT RESOLUTION

Recommendation	FY 1984	FY 1985	FY 1986	Remarks
3. Maximum continuing use of improved supply/demand information will be employed through planning by the agencies individually and collectively through interagency mechanisms to anticipate shortages, competition, and possible conflicts. Such actions are particularly important during period of low flow, and should be anticipated in drought contingency planning.	--	--	--	See Drought and Emergency Interruption of Supplies Section.

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: CONFLICT RESOLUTION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
4. Maximum support and encouragement will be given to the use of local districts which are possible under existing or additional enabling legislation, and which have the power to allocate water resources to various uses within their district boundaries.	Operating Costs	DOA / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
Total Costs for Recommendation 4.	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): EXECUTIVE DIRECTOR, STATE WATER PLAN
IMPLEMENTING AGENCY(IES):

ISSUE: CONFLICT RESOLUTION

Recommendation	FY 1984	FY 1985	FY 1986	Remarks
5. A successor to the Water Plan Task Force will be established as the first line for resolving interagency conflicts. That the Natural Resources Sub-Cabinet be used in any conflicts which cannot be resolved at the Task Force level.	--	--	--	See Integrated Water Management Section.

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: CONFLICT RESOLUTION

Recommendation	FY 1984	FY 1985	FY 1986	Remarks
6. Where useful interstate agreements be sought with neighboring States -- particularly Wisconsin and Indiana -- for the management of shared resources. Along the border streams -- the Mississippi, Ohio, and Wabash -- adequate monitoring of water quality and quantity and existing liaisons should be maintained to anticipate and possibly avoid interstate and federal/state problems including permits, construction, and operation.	--	--	--	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: CONFLICT RESOLUTION

Recommendation			FY 1984	FY 1985	FY 1986	Remarks
7. Problems arising on Lake Michigan and the Great Lakes including water quality and lake levels are properly addressed by existing agencies such as the Great Lakes Commission and the International Joint Commission. Illinois should maintain an active presence and participation in these agencies.	Operating Costs	DOWR / Federal	10/0 / 0	10/0 / 0	10/50 / 0	Membership and travel for interstate and international commissions and associations.
	Operating Costs	DOC / Federal	3/0 / 0	3/0 / 0	3/0 / 0	
	Operating Costs	DCCA / Federal	22/0 / 0	22/0 / 0	22/0 / 0	
	Operating Costs	EPA / Federal	23/0 / 12	23/0 / 12	23/0 / 12	Membership and travel for interstate and international compacts and commissions.
Total Costs for Recommendation 7.	Operating Costs	State / Federal	58/0 / 12	58/0 / 12	58/50 / 12	
	Total Costs		70	70	120	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: CONFLICT RESOLUTION

Recommendation	FY 1984	FY 1985	FY 1986	Remarks
8. That the Courts be relied upon as a means of last resort for the resolution of conflicts which cannot be managed under any of the foregoing mechanisms.	--	--	--	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE

Public Participation

	Recommendation		FY 1984	FY 1985	FY 1986
	1. Operating Costs	State	4/18.5	4/18.5	4/18.5
		Federal	1/0	1/0	1/0
				0/0.5*	0/0.5*
	2. Operating Costs	State	4/0	4/0	4/0
		Federal	0.5/0	0.5/0	0.5/0
				0/1*	0/1*
	3. Operating Costs	State	2/0	2/0	2/0
		Federal	0	0	0
				0/1.5*	0/1.5*
	4. Operating Costs	State	21.5/0	18/0	16/0
		Federal	2/0	2/0	2/0
				0/1.5*	0/1.5*
	5. Operating Costs	State	2/2	2/2	2/2
		Federal	0	0	0
				0/0.5*	0/0.5*
TOTAL	Operating Costs	State	33.5/20.5	30/20.5	28/20.5
		Federal	3.5/0	3.5/0	3.5/0
				0/5*	0/5*
	TOTAL COSTS		57.5	59	57

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): WRC/GA
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/GA, DCCA ISSUE: PUBLIC PARTICIPATION

Recommendation			FY 1984	FY 1985	FY 1986	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 in-house staff.
		Federal	0	0	0	
	Operating Costs	DOC	1/0	1/0	1/0	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	2/0	2/0	2/0	
		Federal	0	0	0	
	Operating Costs	EPA	0	0	0	
		Federal	T/0	T/0	T/0	
	Operating Costs	WRC/GA	0/18.5	0/18.5	0/18.5	
		Federal	0	0	0	
	Operating Costs	DCCA	-	0	0	
		Federal		0/0.5*	0/0.5*	
Total Costs for Recommendation 1.	Operating Costs	State	4/18.5	4/18.5	4/18.5	
		Federal	T/0	T/0	T/0	
				0/0.5*	0/0.5*	
	Total Costs		23.5	24	24	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): WRC/GA
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/GA, WRC/UI, DCCA ISSUE: PUBLIC PARTICIPATION

Recommendation			FY 1984	FY 1985	FY 1986	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 in-house 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/GA	1.5/0	1.5/0	1.5/0	
		Federal	0	0	0	
	Operating Costs	WRC/UI	0.5/0	0.5/0	0.5/0	
		Federal	0	0	0	
	Operating Costs	DCCA	-	0	0	
		Federal		0/1*	0/1*	
Total Costs for Recommendation 2.	Operating Costs	State	4/0	4/0	4/0	
		Federal	0.5/0	0.5/0	0.5/0	
				0/1*	0/1*	
	Total Costs		4.5	5.5	5.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): WRC/GA
IMPLEMENTING AGENCY(IES): DENR, WRC/GA, DCCA

ISSUE: PUBLIC PARTICIPATION

Recommendation			FY 1984	FY 1985	FY 1986	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 / Federal	0.5 / 0	0.5 / 0	0.5 / 0	
	Operating Costs	WRC/GA / Federal	1.5/0 / 0	1.5/0 / 0	1.5/0 / 0	
	Operating Costs	DCCA / Federal	-	0 / 0/1.5*	0 / 0/1.5*	
Total Costs for Recommendation 3.	Operating Costs	State / Federal	2/0 / 0/0	2/0 / 0/0 / 0/1.5	2/0 / 0/0 / 0/1.5*	
	Total Costs		2	3.5	3.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): WRC/GA
IMPLEMENTING AGENCY(IES): DOWR, DOC, DENR, DOA, EPA, WRC/GA, WRC/UI, DCCA ISSUE: PUBLIC PARTICIPATION

Recommendation			FY 1984	FY 1985	FY 1986	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.	Operating Costs	DOWR State/Federal	1.5/0	--	--	Part of normal program; handled by in-house staff.
	Operating Costs	DOC State/Federal	4.5/0	4.5/0	4.5/0	Existing staff.
	Operating Costs	DENR State/Federal	4.5/0	4.5/0	4.5/0	
	Operating Costs	DOA State/Federal	2/0	2/0	2/0	
	Operating Costs	EPA State/Federal	0/2/0	0/2/0	0/2/0	
	Operating Costs	WRC/GA State/Federal	5/0	5/0	3/0	
	Operating Costs	WRC/UI State/Federal	4/0	2/0	2/0	
	Operating Costs	DCCA State/Federal	-	0/0/1.5*	0/0/1.5*	
Total Costs for Recommendation 4.	Operating Costs	State/Federal	21.5/0/2/0	18/0/2/0/0/1.5*	16/0/2/0/0/1.5*	
	Total Costs		23.5	21.5	19.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

LEAD AGENCY(IES): WRC/GA
IMPLEMENTING AGENCY(IES): DOA, WRC/UI, DCCA

ISSUE: PUBLIC PARTICIPATION

Recommendation			FY 1984	FY 1985	FY 1986	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	1	1	1	
		Federal	0	0	0	
	Operating Costs	WRC/UI	1/2	1/2	1/2	
		Federal	0	0	0	
	Operating Costs	DCCA	-	0	0	
		Federal		0/0.5*	0/0.5*	
Total Costs for Recommendation 5.	Operating Costs	State	2/2	2/2	2/2	
		Federal	0	0/0	0/0	
				0/0.5*	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 1984	FY 1985	FY 1986
	1. Operating Costs	State	4.5	4.5	4.5
		Federal	20/0	10/0	10/0
	2. Operating Costs	State	0	0	0
		Federal	10/0	20/0	20/0
	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	30.0	30.0	30.0
	TOTAL COSTS		34.5	34.5	34.5

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 1984	FY 1985	FY 1986	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 / 20/0	0 / 10/0	0 / 10/0	
Total Costs for Recommendation 1.	Operating Costs	State / Federal	4.5/0 / 20/0	4.5/0 / 10/0	4.5/0 / 10/0	
	Total Costs		24.5	14.5	14.5	

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 1984	FY 1985	FY 1986	Remarks
2. Codification within the Illinois Water Quality Management Plan of these management authorities and priorities.	Operating Costs	EPA	0	0	0	
		Federal	10/0	20/0	20/0	
Total Costs for Recommendation 2.	Operating Costs	State	0	0	0	
		Federal	10/0	20/0	20/0	
	Total Costs		10	20	20	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: STREAM AND LAKE USE MANAGEMENT

Recommendation			FY 1984	FY 1985	FY 1986	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 1984	FY 1985	FY 1986	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 1984	FY 1985	FY 1986
	1. Operating Costs	State	1/0	2/0	0/0
		Federal	0	0	0
	2. Operating Costs	State	268/0	273/177	278/202
		Federal	0/0	0/0	0/0
			268/0*	450/0*	480/0*
	3. Operating Costs	State	589/0	595/335	601/345
		Federal	300/0	300/70	300/70
	4. Operating Costs	State	3/0	8/0	3/0
		Federal	0	0	0
	5. Operating Costs	State	--	2/0	1/0
		Federal		2/0	1/0
TOTAL	Operating Costs	State	861/0	878/512	883/547
		Federal	300/0	302/70	301/70
			268/0*	450/0*	480/0*
	TOTAL COSTS		1429	2212	2281

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 1984	FY 1985	FY 1986	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	--	2/0 / 0	--	
Total Costs for Recommendation 1.	Operating Costs	State / Federal	1/0 / 0/0	2/0 / 0/0*	0/0 / 0/0*	
	Total Costs		1	2	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 1984	FY 1985	FY 1986	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	208/0	208/117	208/137	
		Federal	208/0*	325/0*	345/0*	
	Operating Costs	DENR	60/0	65/60	70/65	Expansion of stream gage network to optimum levels.
		Federal	60/0*	125/0*	135/0*	
Total Costs for Recommendation 2.	Operating Costs	State	268/0	273/177	278/202	
		Federal	0/0	0/0	0/0	
			268/0*	450/0*	480/0*	
	Total Costs		536	900	960	

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 1984	FY 1985	FY 1986	Remarks
3. That network evaluations be performed as well on the water quality network and the suspended sediment network.	Operating Costs	DENR / Federal	60/0 / 0	66/205 / 0	72/215 / 0	Sediment network.
	Operating Costs	EPA / Federal	529/0 / 300/0	529/130 / 300/70	529/130 / 300/70	200K additional funding needed annually to support optimum network.
Total Costs for Recommendation 3.	Operating Costs	State / Federal	589/0 / 300/0	595/335 / 300/70	601/345 / 300/70	
	Total Costs		889	1300	1316	

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 1984	FY 1985	FY 1986	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	3/0 / 0	8/0 / 0	3/0 / 0	
	Total Costs		3	8	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 1984	FY 1985	FY 1986	Remarks
5. That requests for stream measurement data be made known to sponsoring agencies.	Operating Costs	DENR / Federal	--	1/0 / 1/0	1/0 / 1/0	
	Capital Costs	DENR / Federal	--	1/0 / 1/0	--	
Total Costs for Recommendation 5.	Operating Costs	State / Federal	--	1/0 / 1/0	1/0 / 1/0	
	Capital Costs	State / Federal	--	1/0 / 1/0	--	
	Total Costs		--	4	2	

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 1984	FY 1985	FY 1986
	1. Operating Costs	State/Federal	7.7/0/0	4.2/0/0	4.2/0/0
	2. Operating Costs	State/Federal	10.5/0/0	8/0/0	8/0/0
	3. Operating Costs	State/Federal	3.5/0/3/0	3.5/0/3/0	3.5/0/3/0
TOTAL	Operating Costs	State/Federal	21.7/0/3/0	15.7/0/3/0	15.7/0/3/0
	TOTAL COSTS		24.7	18.7	18.7

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: STREAM INDEXING

Recommendation			FY 1984	FY 1985	FY 1986	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	1/0	0.5/0	0.5/0	.5/year beyond FY86.
		Federal	0	0	0	
	Operating Costs	DENR	3/0	--	--	
		Federal	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	1.7/0	1.7/0	1.7/0	1.7/year for 2 more years beyond FY86.
		Federal	0	0	0	
	Operating Costs	DENR	2/0	2/0	2/0	
		Federal	0	0	0	
Total Costs for Recommendation 1.	Operating Costs	State	7.7/0	4.2/0	4.2/0	
		Federal	0	0	0	
	Total Costs		7.7	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 1984	FY 1985	FY 1986	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 / Federal	2.5/0 / 0	0 / 0	0 / 0	Existing staff; most of these costs are included in ISIS development.

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: STREAM INDEXING

Recommendation (cont.)

			FY 1984	FY 1985	FY 1986	Remarks
B. That agencies recognize and utilize these corrected RMI's when conducting interagency activities involving stream-related information.	Operating Costs	DOC / Federal	4/0 / 0	4/0 / 0	4/0 / 0	4/year for 2 years beyond FY86.
	Operating Costs	DENR / Federal	4/0 / 0	4/0 / 0	4/0 / 0	
Total Costs for Recommendation 2.	Operating Costs	State / Federal	10.5/0 / 0	8/0 / 0	8/0 / 0	
	Total Costs		10.5	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 1984	FY 1985	FY 1986	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 / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	Part of normal program; handled by in-house staff.
	Operating Costs	DOC / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
	Operating Costs	DENR / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
	Operating Costs	EPA / Federal	0 / 3	0 / 3	0 / 3	Efforts to complete this work will be carried out within normal program.
	Operating Costs	WRC/UI / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
Total Costs for Recommendation 3.	Operating Costs	State / Federal	3.5/0 / 3/0	3.5/0 / 3/0	3.5/0 / 3/0	
	Total Costs		6.5	6.5	6.5	

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 1984	FY 1985	FY 1986
	1. Operating Costs	State/Federal	0/0	0/150/0	0/260/0
	Capital Costs	State/Federal	0/0	0/750/0	0/0
	2. Operating Costs	State/Federal	6/0/0	11/0/0	10.5/0/0
	3. Operating Costs	State/Federal	0/0	0/70/0	0/70/0
	4. Operating Costs	State/Federal	--	--	--
TOTAL	Operating Costs	State/Federal	6/0/0	11/970/0	10.5/330/0
	TOTAL COSTS		6	981	340.5

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 1984	FY 1985	FY 1986	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	0	0/150	0/260	
		Federal	0	0	0	
	Capital Costs	DENR	0	0/750	0	
		Federal	0	0	0	
Total Costs for Recommendation 1.	Operating Costs	State	0	0/150	0/260	
		Federal	0	0	0	
	Capital Costs	State	0	0/750	0	
		Federal	0	0	0	
	Total Costs		0	900	260	

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 1984	FY 1985	FY 1986	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	0.5/0 / 0	0.5/0 / 0	--	Part of normal program; handled by in-house staff.
	Operating Costs	DOC / Federal	2/0 / 0	2/0 / 0	2/0 / 0	Existing staff.
	Operating Costs	DENR / Federal	--	8/0 / 0	8/0 / 0	
	Operating Costs	WRC/UI / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	
Total Costs for Recommendation 2.	Operating Costs	State / Federal	3/0 / 0	11/0 / 0	10.5/0 / 0	
	Total Costs		6	11	10.5	

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: NATURAL RESOURCE INFORMATION SYSTEMS

Recommendation

3. A referral service will be continued as the first phase of INRIC operation.

		FY 1984	FY 1985	FY 1986	Remarks
Operating Costs	DENR	0	0/70	0/70	
	Federal	0	0	0	
Operating Costs	State	0	0/70	0/70	
	Federal	0	0	0	
Total Costs		0	70	70	

Total Costs for Recommendation 3.

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: NATURAL RESOURCE INFORMATION SYSTEMS

Recommendation			FY 1984	FY 1985	FY 1986	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.			--	--	--	
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 1984	FY 1985	FY 1986
	1. Operating Costs	State/Federal	0/0	0/0	0/0
	2. Operating Costs	State/Federal	3.6/0 / 1/0	3.6/0 / 1/0	3.6/0 / 1/0
	3. Operating Costs	State/Federal	3.3/0 / 2/0	6.3/0 / 2/0	6.3/0 / 2/0
	4. Operating Costs	State/Federal	0/0	0/0	0/0
	5. Operating Costs	State/Federal	3/0 / 1/0	5/0 / 1/0	5/0 / 1/0
	6. Operating Costs	State/Federal	4/0 / 1/0	1/0 / 0	1/0 / 0
	7. Operating Costs	State/Federal	7.2/0 / 2/0	7.2/0 / 2/0	7.2/0 / 2/0
	8. Operating Costs	State/Federal	0.5/0 / 1/0	0/0	0/0
TOTAL	Operating Costs	State/Federal	21.6/0 / 8/0	23.1/0 / 6/0	23.1/0 / 6/0
	TOTAL COSTS		29.6	29.1	29.1

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: WATER RESOURCE PERMIT COORDINATION

Recommendation			FY 1984	FY 1985	FY 1986	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 1984	FY 1985	FY 1986	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 in-house staff. Additional funds required for FY85, FY86 and beyond.
	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 base.
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 1984	FY 1985	FY 1986	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	Part of normal program; handled by in-house 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	3.3/0 / 2/0	6.3/0 / 2/0	6.3/0 / 2/0	
	Total Costs		5.3	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 1984	FY 1985	FY 1986	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 1984	FY 1985	FY 1986	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 / Federal	--	2/0 / 0	2/0 / 0	Handled by in-house staff.
	Operating Costs	DOC / Federal	2/0 / 0	2/0 / 0	2/0 / 0	Existing staff.
	Operating Costs	DOA / Federal	1/0 / 0	1/0 / 0	1/0 / 0	
	Operating Costs	EPA / Federal	0 / T/0	0 / T/0	0 / T/0	
Total Costs for Recommendation 5.	Operating Costs	State / Federal	3/0 / T/0	5/0 / T/0	5/0 / T/0	
	Total Costs		4	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 1984	FY 1985	FY 1986	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	3/0 / 1/0	--	--	
Total Costs for Recommendation 6.	Operating Costs	State / Federal	4/0 / 1/0	1/0 / 0	1/0 / 0	
	Total Costs		5	1	1	

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 1984	FY 1985	FY 1986	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 1984	FY 1985	FY 1986	Remarks
8. Development of a policy for use by all affected agencies to prohibit the sitting of landfills in floodplains.	Operating Costs	DOC	0.5/0	0	0	Existing staff.
		Federal	0	0	0	
	Operating Costs	EPA	0	0	0	
		Federal	T/0	0	0	
Total Costs for Recommendation 8.	Operating Costs	State	0.5/0	0	0	
		Federal	T/0	0	0	
	Total Costs		1.5	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 1984	FY 1985	FY 1986
	1. Operating Costs	State	1.5/0	1.5/0	1.5/0
		Federal	0	0	0
	2. Operating Costs	State	0.5	0.5	0.5
		Federal	0	0	0
	3. Operating Costs	State	5.1/0	5.1/0	5.1/0
		Federal	1.5/0	1.5/0	1.5/0
	4. Operating Costs	State	117/0	150/0	225/0
		Federal	115/0*	150/0*	150/0*
TOTAL	Operating Costs	State	124.1/0	157.1/0	232.1/0
		Federal	1.5/0	1.5/0	1.5/0
			115/0*	150/0*	150/0*
	TOTAL COSTS		240.6	308.6	383.6

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 1984	FY 1985	FY 1986	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 / Federal	0.5/0	0.5/0	0.5/0	
	Operating Costs	WRC/UI / Federal	1/0	1/0	1/0	
Total Costs for Recommendation 1.	Operating Costs	State / Federal	1.5/0	1.5/0	1.5/0	
	Total Costs		1.5	1.5	1.5	

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 1984	FY 1985	FY 1986	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	0.5	0.5	
		Federal	0	0	0	
Total Costs for Recommendation 2.	Operating Costs	State	.5	.5	.5	
		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 1984	FY 1985	FY 1986	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 / 0.5/0	0 / 0.5/0	0 / 0.5/0	
	Operating Costs	WRC/UI / Federal	1/0 / 1/0	1/0 / 1/0	1/0 / 1/0	
Total Costs for Recommendation 3.	Operating Costs	State / Federal	5.1/0 / 1.5/0	5.1/0 / 1.5/0	5.1/0 / 1.5/0	
	Total Costs		6.6	6.6	6.6	

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 1984	FY 1985	FY 1986	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 1984	FY 1985	FY 1986
	1. Operating Costs	State/Federal	--	4/0 0	4/0 0
	2. Operating Costs	State/Federal	54.1/0 150/0	57.5/7 130/20	67.5/97 130/280
	Capital Costs	State/Federal	91/0 91/0	40/0 1341/0* 1381/0	40/0 960/0* 1000/0
	3. Operating Costs	State/Federal	1/0 0	1/0 0	1/0 0
	4. Operating Costs	State/Federal	4.8/0 0	4.8/0 0	4.8/0 0
	5. Operating Costs	State/Federal	0.5/0 0	0.5/0 0	0.5/0 0
	6. Operating Costs	State/Federal	0.5/0 0	0.5/0 6	0.5/0 6
	7. Operating Costs	State/Federal	0.5/0 0	0.5/0 0	0.5/0 0
	8. Operating Costs	State/Federal	0/100 0	0/250 0	0/250 0
TOTAL	Operating Costs	State/Federal	61.4/100 150/0	68.8/257 130/20	78.8/347 130/280
	Capital Costs	State/Federal	91/0 91/0	40/0 1341/0* 1381/0	40/0 960/0* 1000/0
	TOTAL COSTS		493.4	3237.8	2835.8

ANNUAL WATER PLAN IMPLEMENTATION COST ESTIMATES
(costs in thousands)

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

ISSUE: RESERVOIR AND LAKE OPERATIONS

Recommendation			FY 1984	FY 1985	FY 1986	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	--	4/0	4/0	Handled by in-house staff.
		Federal		0	0	
Total Costs for Recommendation 1.	Operating Costs	State	--	4/0	4/0	
		Federal		0	0	
	Total Costs		0	4	4	

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 1984	FY 1985	FY 1986	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	2.1/0	4.5/0	4.5/0	Existing staff.
		Federal	0	0	0	
	Capital Costs	DOC	0	40/0	40/0	Capital to match USEPA Section 314 monies (Clean Lakes Program) for DOC lakes.
		Federal	0	0	0	
	Operating Costs	EPA	50/0	43/7	43/97	Additional funding will be needed in FY85 for continuation of the Clean Lakes Program. For the base program, 50K State and 150K federal is needed (this includes one additional person after FY84). Three additional people will be required to implement the Clean Lakes work. 90K local or State match needed in addition to 260K federal money in FY85.
		Federal	150/0	130/20	130/280	
	Capital Costs	EPA	91/0	134/0*	960/0*	
		Federal	91/0	1381/0	1000/0	
	Operating Costs	WRC/UI	2/0	10/0	20/0	
		Federal	0	0	0	
Total Costs for Recommendation 2.	Operating Costs	State	54.1/0	57.5/7	67.5/97	
		Federal	150/0	130/20	130/280	
	Capital Costs	State	91/0	40/0	40/0	
		Federal	91/0	1341/0*	960/0*	
				1381/0	1000/0	
	Total Costs		386.1	2976.5	2574.5	

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 1984	FY 1985	FY 1986	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	Existing staff.
	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 1984	FY 1985	FY 1986	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 in-house 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 1984	FY 1985	FY 1986	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 / Federal	0.5/0	0.5/0	0.5/0	Existing staff.
Total Costs for Recommendation 5.	Operating Costs	State / Federal	0.5/0	0.5/0	0.5/0	
	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 1984	FY 1985	FY 1986	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 1984	FY 1985	FY 1986	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 / Federal	0.5/0 / 0	0.5/0 / 0	0.5/0 / 0	Existing staff.
Total Costs for Recommendation 7.	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): DENR

ISSUE: RESERVOIR AND LAKE OPERATIONS

Recommendation			FY 1984	FY 1985	FY 1986	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	0/100 0	0/100 0	0/100 0	For sedimentation surveys for 5-7 lakes a year.
B. Sedimentation Research	Operating Costs	DENR/Federal	--	0/150 0	0/150 0	Requires additional appropriations continuing through FY90.
Total Costs for Recommendation 8.	Operating Costs	State/Federal	0/100 0	0/250 0	0/250 0	
	Total Costs		100	250	250	

JP:rd/sf/sp7999C/8048c