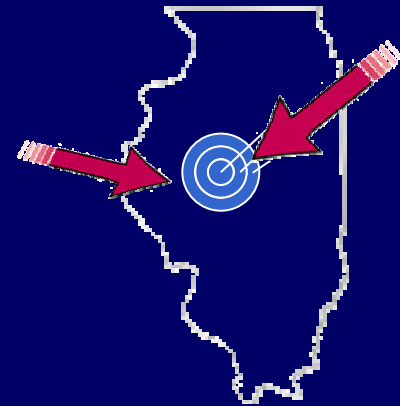


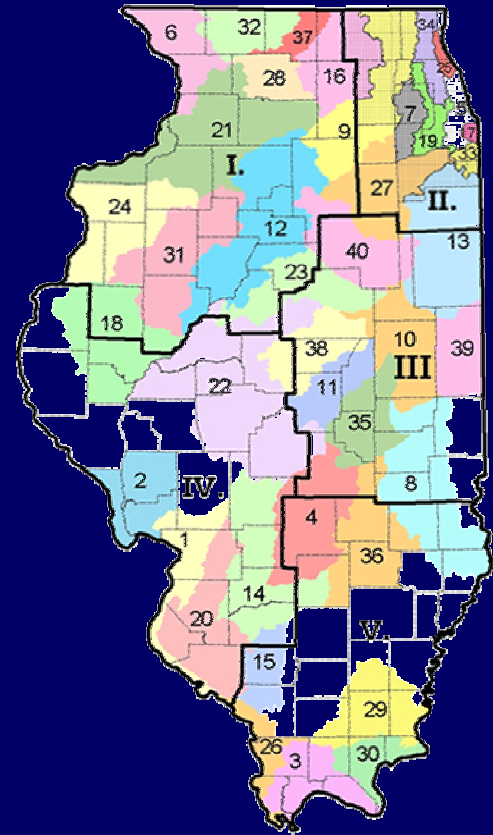
Strategic
Subwatershed
Identification
Process



Illinois Department of Natural Resources
Conservation 2000
Ecosystems Program

GOAL:

*To provide guidance to
Ecosystem Partnerships
for Watershed Protection
and Restoration Efforts*



Maximizing Benefits of Ecosystem Management

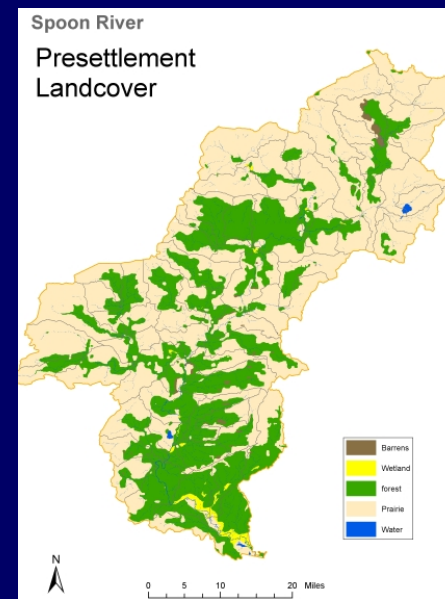
Rapidly assess and identify strategic sub-watersheds

- **In order to:**
 - More effectively use resources
 - Easily recognize success
 - Program sustainability



INTERACTIVE & DYNAMIC PROCESS

Natural Resource Data

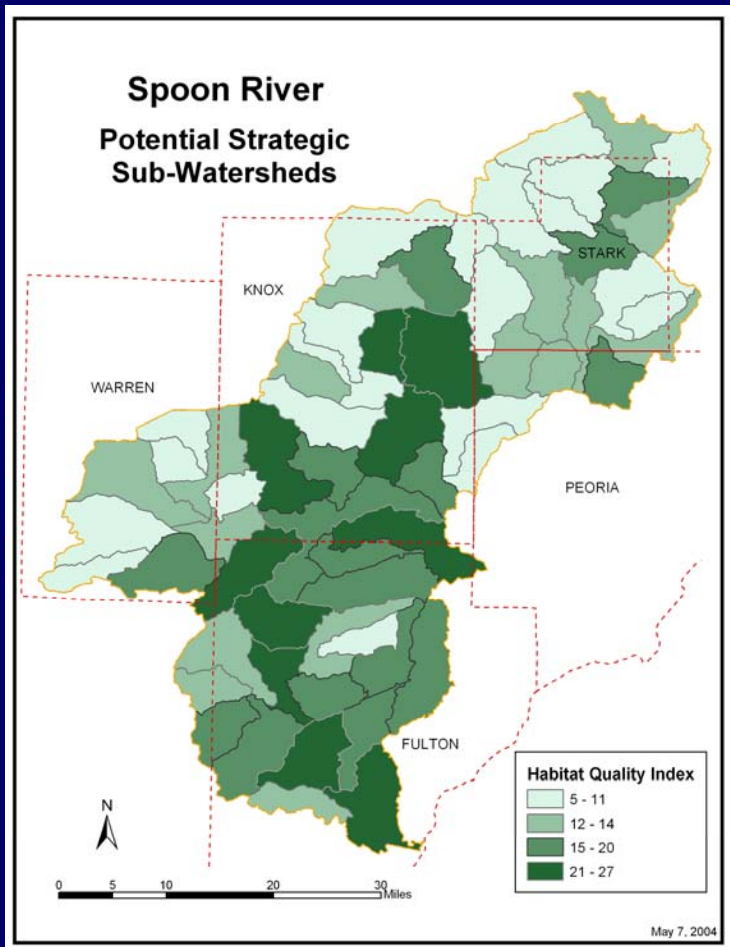


Partnership Involvement

Strategic Sub-Watershed Identification PROCESS



Habitat Quality Index



Biologically significant stream miles

% of sub-watershed that is wetland

% of sub-watershed that is forest

Forest & wetland hubs (250/25 acres)

Illinois Natural Areas Inventory (acres)

% of sub-watershed publicly-owned land

Number of Threatened & Endangered sites

100-year floodplain acres

Potential wetland restoration (hydric soils)

**Table 2: Scoring for Habitat Quality Index,
Monitoring Sites and Conservation Activity**

Sub	Habitat Quality Index									Monitoring Site		Conservation	
	% Forest		% Wetland		% Public			Ecowat	USGS &	C2000	Total Points		
	% Forest	Hubs	Wetlar	Hubs	% INAI	Land	# of T&E	% Hy	% Flood	CTAP		SIEPA Sit	Projects
7.13E+10	1	0	1	0	0	0	2	3	4	1	0	0	12
7.13E+10	1	0	1	0	0	0	0	4	3	0	0	0	9
7.13E+10	1	0	1	0	0	3	0	4	4	0	0	0	13
7.13E+10	2	0	1	0	1	3	3	4	4	0	1	0	19
7.13E+10	1	0	1	0	0	0	2	3	4	0	0	0	11
7.13E+10	2	0	2	0	0	0	0	2	3	1	1	0	11
7.13E+10	1	0	3	0	0	0	0	4	1	0	0	0	9
7.13E+10	2	1	4	0	0	2	2	3	3	0	1	0	18
7.13E+10	1	0	1	0	0	0	0	4	2	0	0	0	8
7.13E+10	2	0	2	0	0	3	2	4	2	1	0	0	16
7.13E+10	1	0	2	0	0	1	0	4	3	0	1	0	12
7.13E+10	1	0	1	0	0	2	0	4	2	0	0	0	10
7.13E+10	1	0	1	0	0	0	0	3	2	2	1	0	10
7.13E+10	1	0	1	0	0	0	0	3	4	2	1	0	12
7.13E+10	1	0	1	0	0	0	0	4	1	0	0	0	7
7.13E+10	1	0	2	0	0	4	2	3	1	0	1	0	14
7.13E+10	2	1	3	1	0	1	2	3	3	0	1	0	17
7.13E+10	2	0	3	0	0	0	0	3	1	1	0	0	10
7.13E+10	2	0	3	0	0	0	0	2	2	1	1	0	11
7.13E+10	3	1	3	2	0	0	2	2	1	0	0	0	14
7.13E+10	4	3	2	0	0	0	0	1	1	0	0	0	11
7.13E+10	4	4	4	4	0	0	2	1	1	0	1	0	21
7.13E+10	4	2	2	0	0	0	0	1	2	0	0	0	11
7.13E+10	1	0	1	0	0	1	0	4	4	0	1	0	12
7.13E+10	2	0	2	0	0	0	0	4	4	0	0	0	12
7.13E+10	3	0	3	0	0	0	0	3	3	1	0	0	13
7.13E+10	4	4	4	1	0	4	0	1	3	0	1	0	22
7.13E+10	4	3	3	2	0	0	2	4	4	0	1	0	23
7.13E+10	2	1	2	0	0	0	0	3	2	1	0	0	11

Monitoring Sites

of USGS stations

of water quality monitoring stations (state)

of CTAP/EcoWatch

Conservation Activities

of C2000 projects

of other DNR projects

of CREP projects

of other projects (federal, local, etc.)

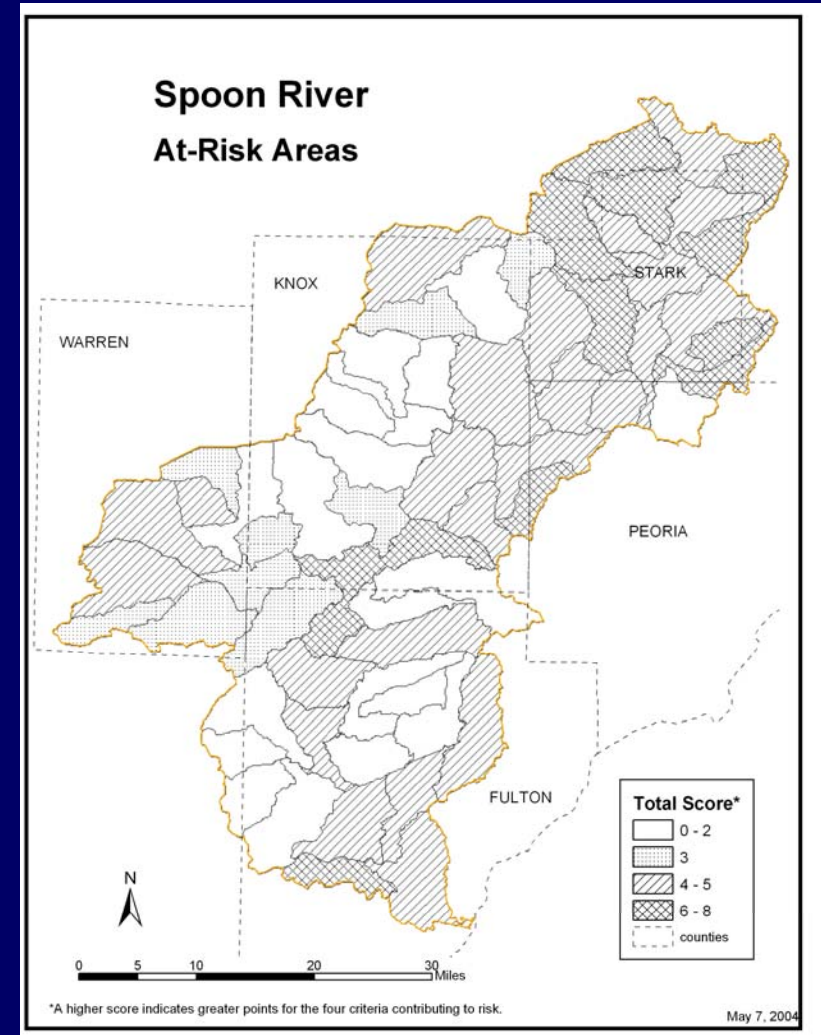
At-Risk Index

% Urban Area

% of land in row-crop

Feet of channelized streams

IEPA 303(d) listed streams



Other Considerations

Landowner willingness

Planning activities at Sub-watershed level

Location within the Partnership

Future Threats

Other Information from Partnership?



Potential Funding Opportunities



**US Army Corps
of Engineers** ®



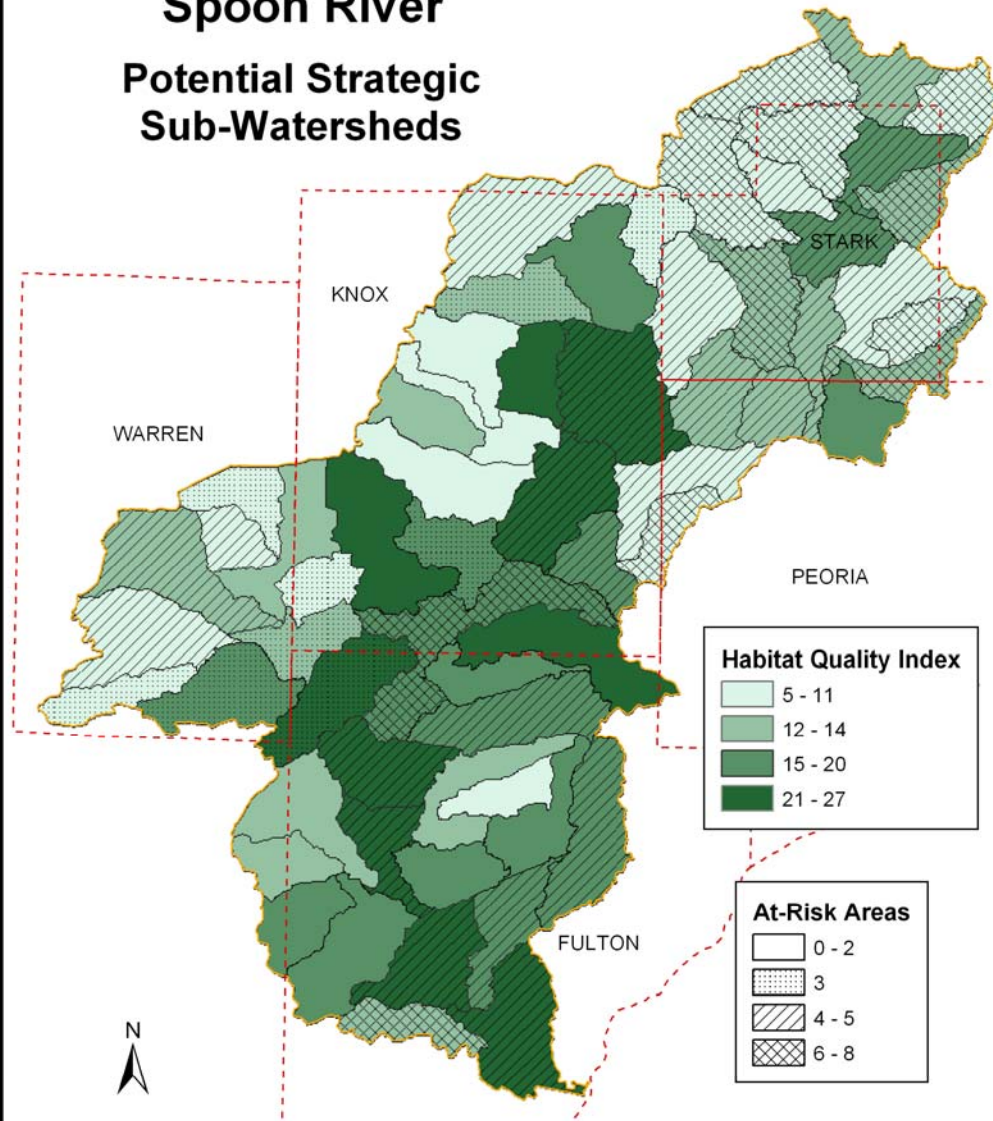
Strategic Sub-Watershed Process



6 or 7
Strategic
Sub-Watersheds
Identified



Spoon River Potential Strategic Sub-Watersheds



May 7, 2004

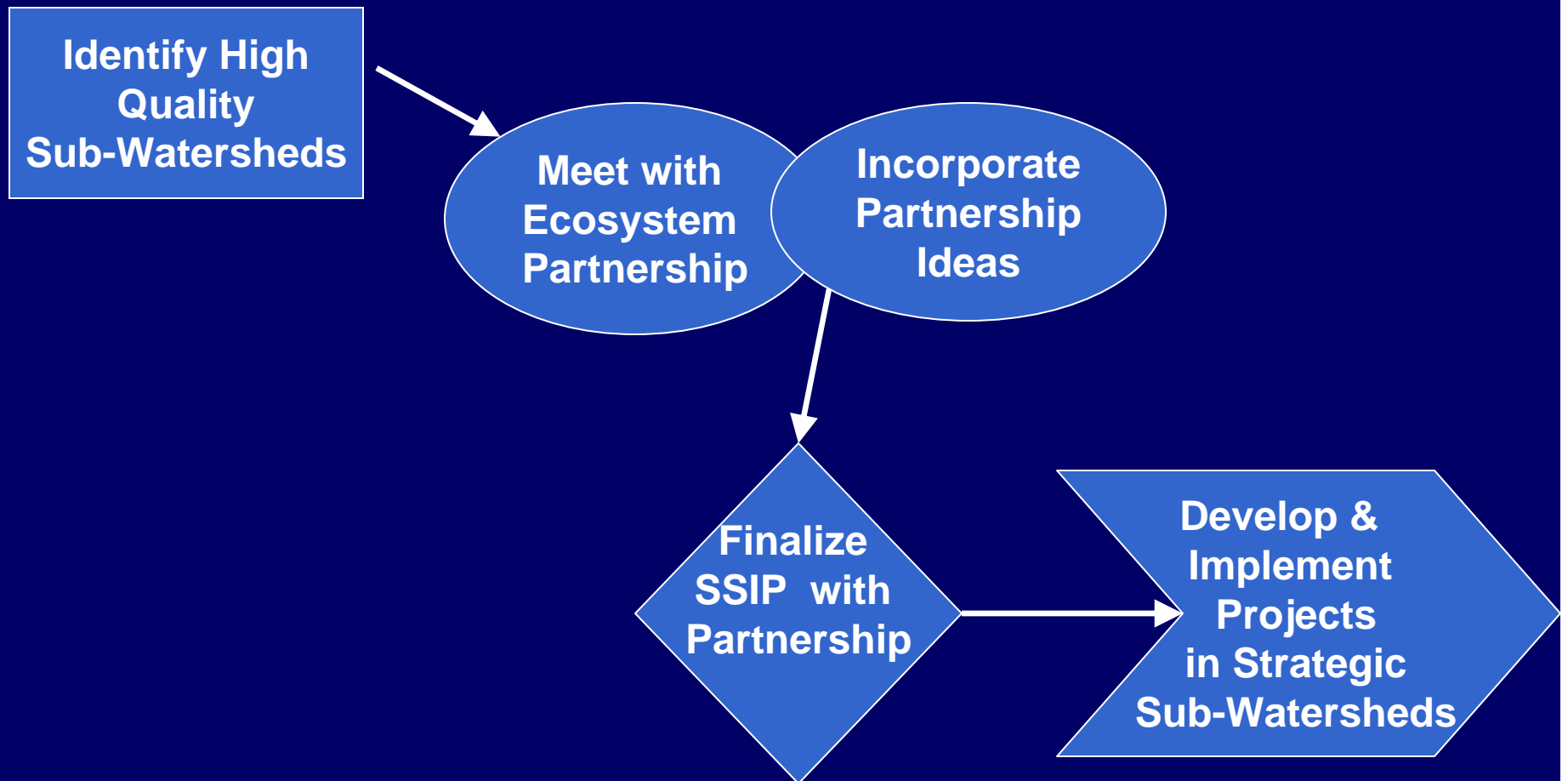
How to Use SSIP

Focus future projects in strategic sub-watersheds

- *Use in prioritizing projects*
- *Use as a marketing tool to influence landowners/local organizations/government officials located in strategic sub-watersheds to submit/support project proposals or other conservation activity*
- *Incorporate in other agency planning processes*

Use to leverage other funding sources

Time Frame for Identifying Strategic Sub-Watersheds



This process should be...

RAPID

SIMPLE

DYNAMIC