



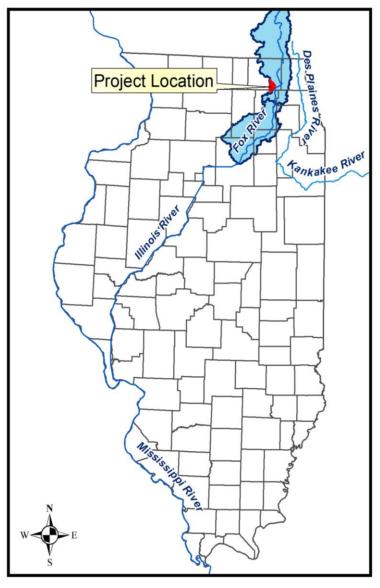


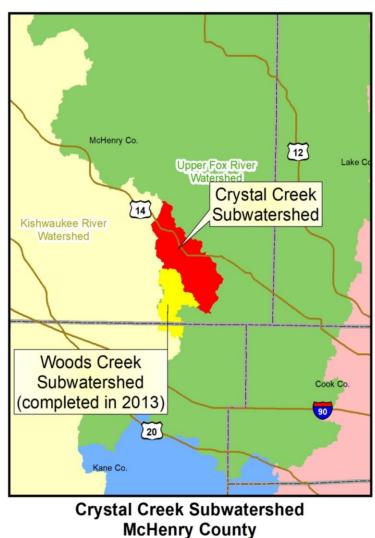


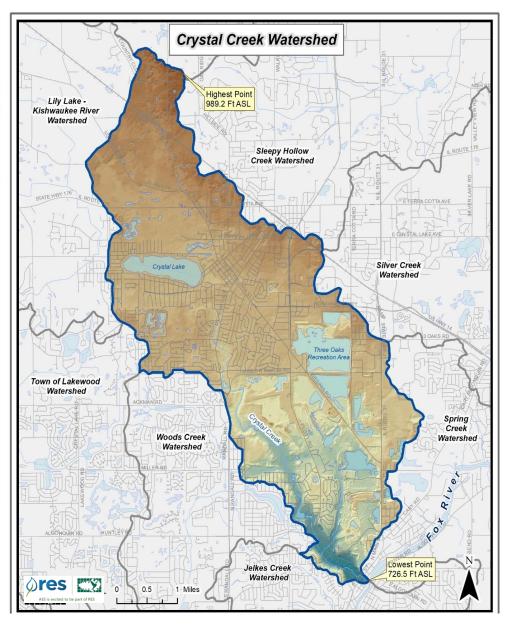




CRYSTAL CREEK WATERSHED



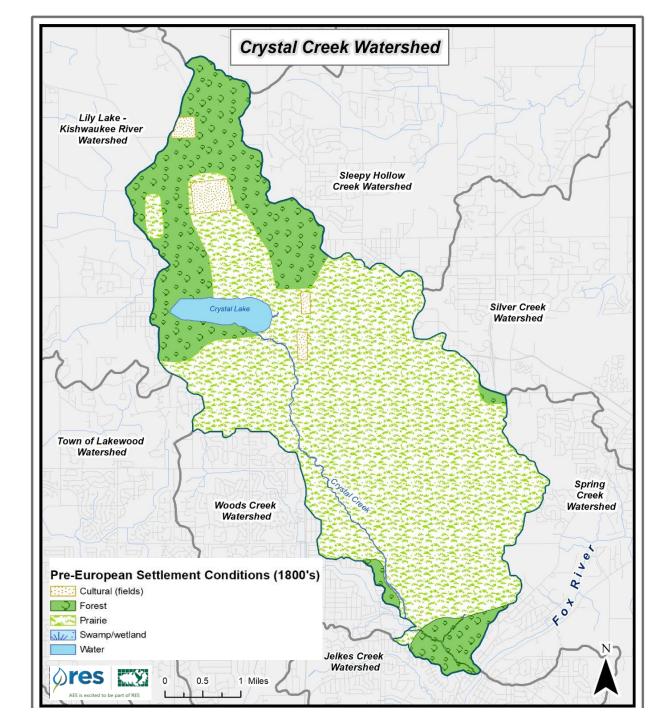




PRE-SETTLEMENT LANDSCAPE

Early 1800s		
Pre-Settlement		
Landcover	Acreage	Percent
Prairie	8,591.1	71.4%
Forest	2,905.3	24.1%
Water	308.4	2.6%
Cultural	232.3	1.9%
Total	12,037.1	100%





JURISDICTIONS

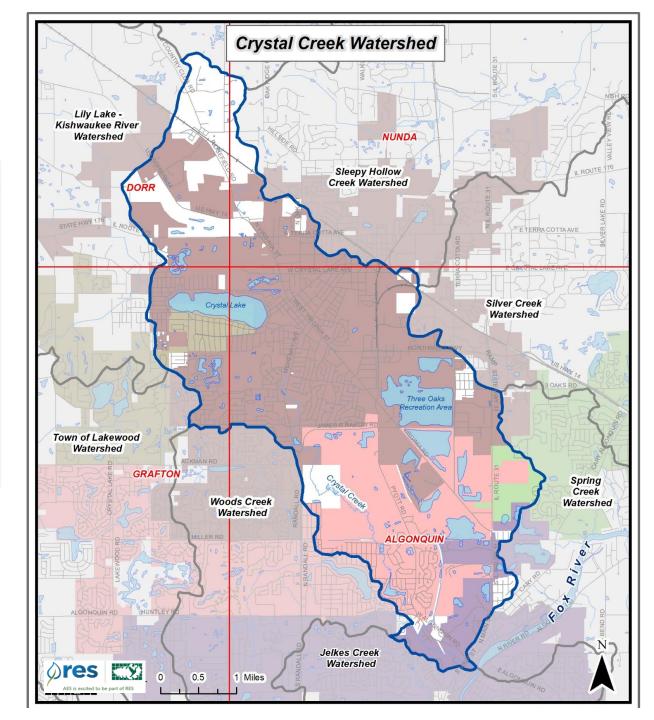
Watershed Jurisdiction		
	Area	% of
County	(Acres)	Watershed
McHenry County	12,037.1	100.0%
	Area	% of
Municipalities	(Acres)	Watershed
City of Crystal Lake	6,365.6	52.9%
Village of Lake in the Hills	2,628.5	21.8%
Village of Algonquin	682.1	5.7%
Village of Lakewood	388.8	3.2%
Village of Cary	224.0	1.9%
Total	9,606.9	79.8%

Entirely within McHenry County

Village of Algonquin City of Crystal Lake Village of Cary Village of Lake in the Hills

Village of Lakewood

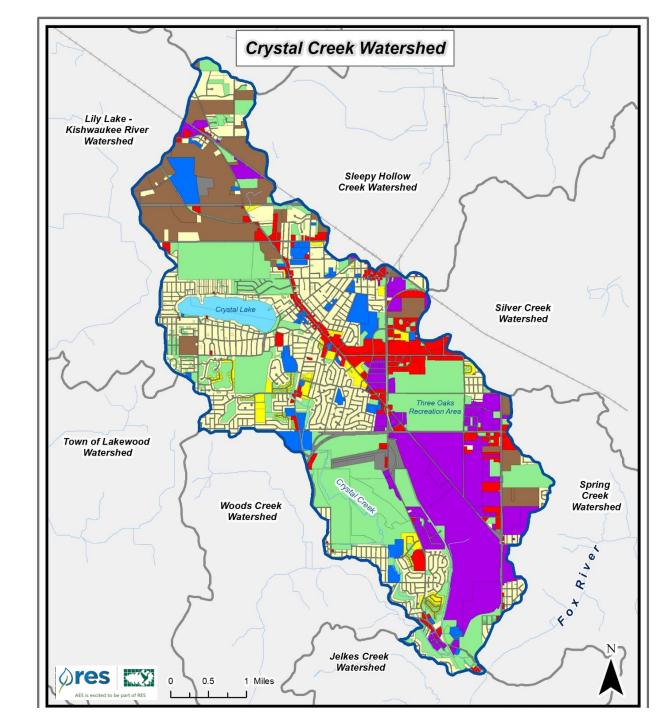
Watershed Jurisdictions



EXISTING LAND USE

- 26% Open Space
- 21% Single-Family Residential
- 16% Industrial
- 12% Transportation
- 11% Agricultural
- 6% Commercial/Retail
- 4% Institutional



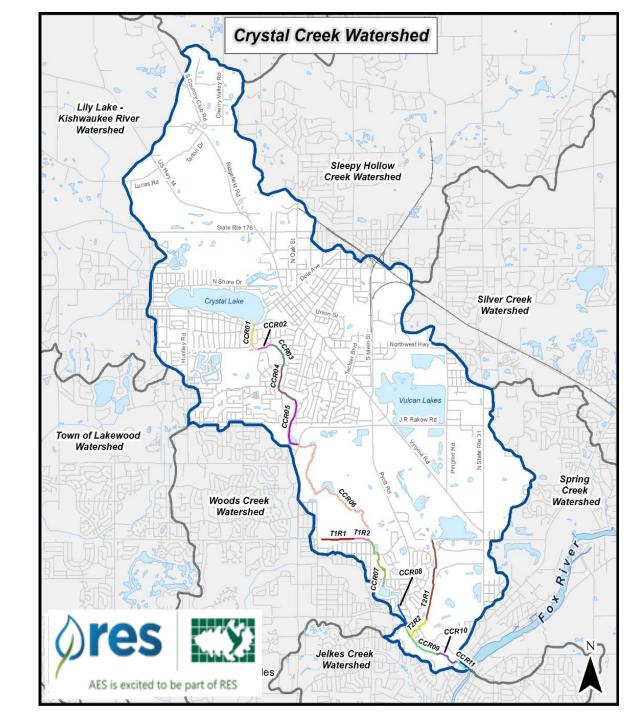


STREAM REACHES

Crystal Creek

- 11 Reaches
- 37,404 lf (7.1 mi) Tributaries
- 2 Tributary Streams
- 10,794 lf (2.0 mi)



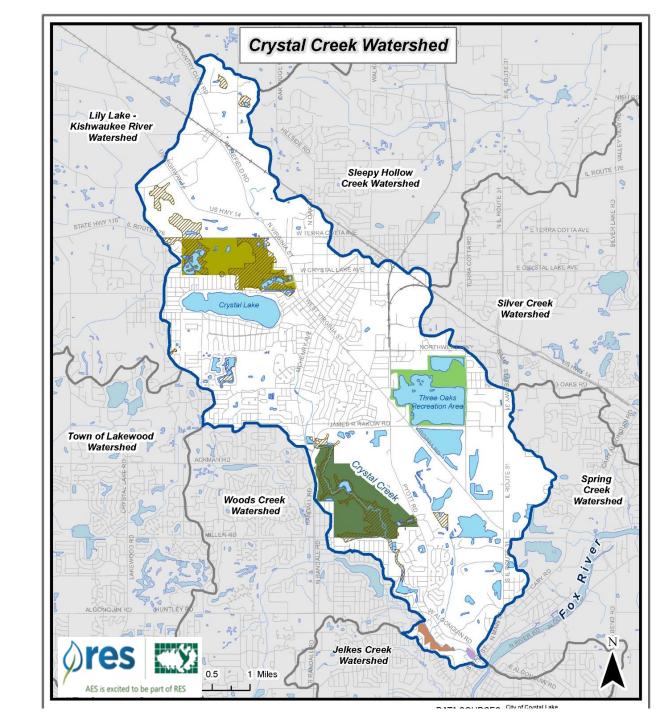


NATURAL AREAS

- Lake in the Hills Fen
- Lippold Park
- Mesic Woodland
- Three Oaks Recreation Area
- Towne Park
- McHenry County ADID Wetlands

Ecologically Significant Natural Areas











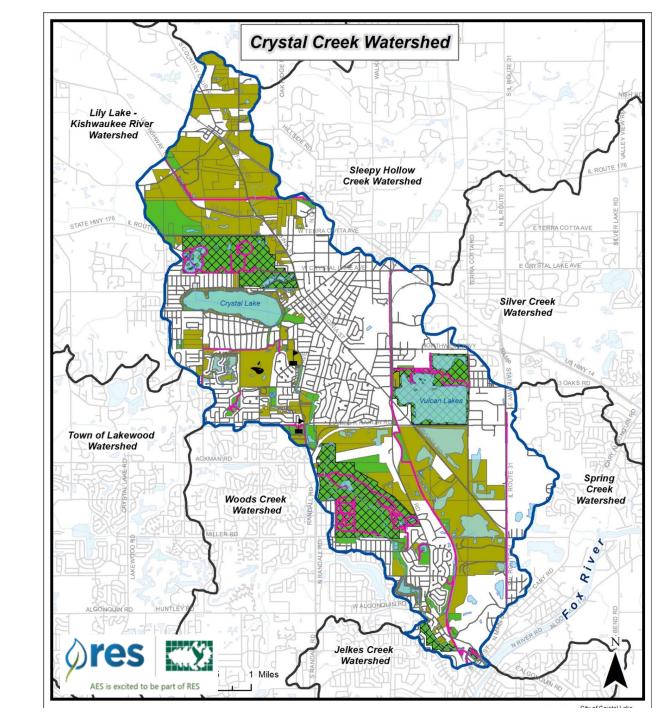


GREEN INFRASTRUCTURE NETWORK

GIN includes 765 parcels, totaling 5,622 acres, 2,408 acres (43%) of which are protected

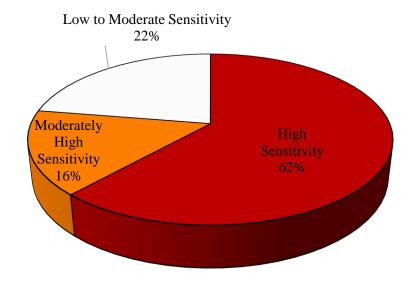
Identifies areas that need special consideration or protection in the future

- Ecologically Significant Natural Areas
- Protected Green Infrastructure
- Unprotected Green Infrastructure
- Trails
- Golf Course
- School



GROUNDWATER

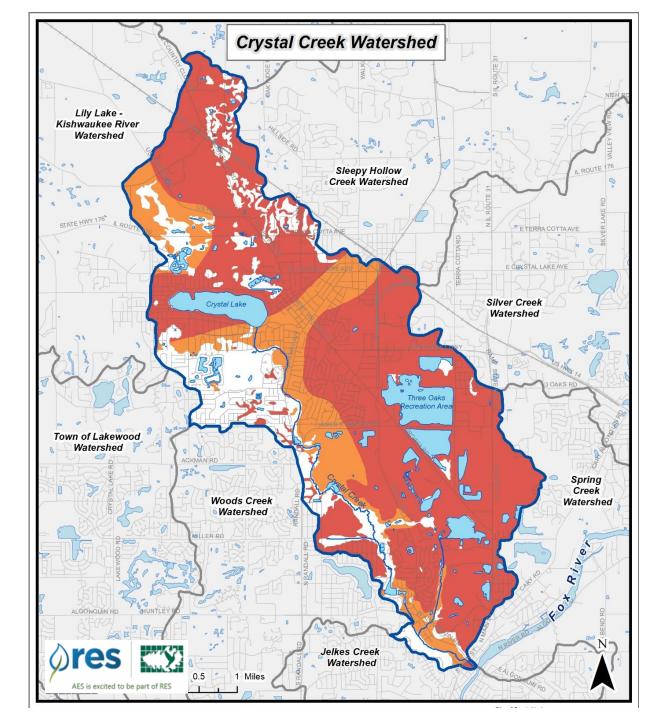
Almost 80% of the watershed is comprised of Sensitive Aquifer Recharge Areas



Potential for Aquifer Contamination/Recharge

High Potential

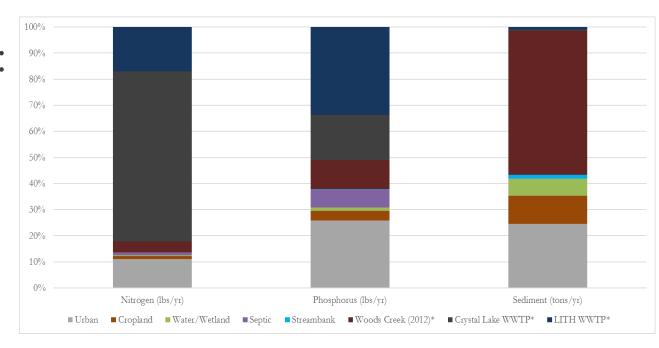
Moderately High Potential



POLLUTANT LOADING MODEL

Excluding WWTPs & Woods Creek:

- 81% of nitrogen, 68% of phosphorus & 57% of TSS from urban.
- 8% and 10% of TN and TP and
 25% of TSS from croplands.



WATERSHED PLANNING GOALS

Policy

(score: 72)

Green Infrastructure

Network & Habitat

(score: 58)

Surface Water Quality

(score: 65)

Flooding

(score: 26)

Groundwater

(score: 60)

Education & Stewardship

(score: 20)

CRITICAL AREA PROJECTS

Detention Basin Retrofit Existing Natural Area

Invasives Management

Natural Area Restoration

Shoreline Education Program

Priority Green Infrastructure

Management

Fencing

Protection

Legend

Waterbody Roads

Streams

Jurisdictions

Crystal Lake

Algonquin Cary

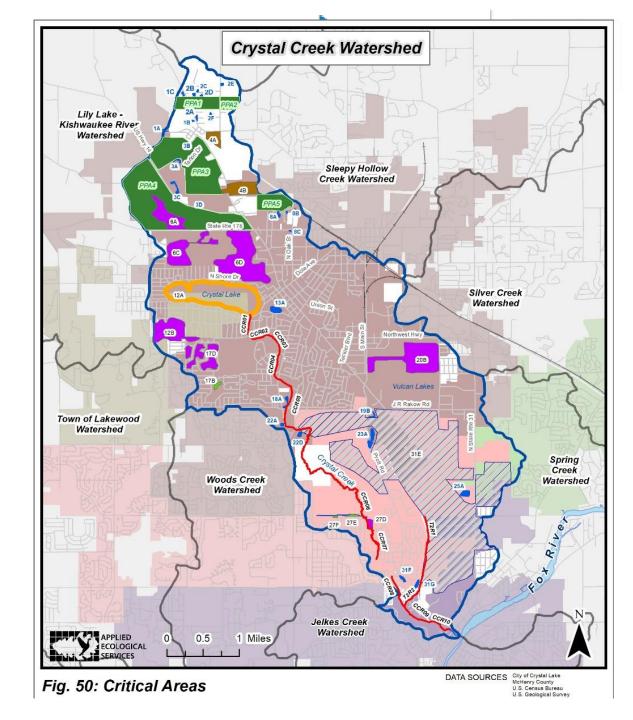
Lake in the Hills

Lakewood

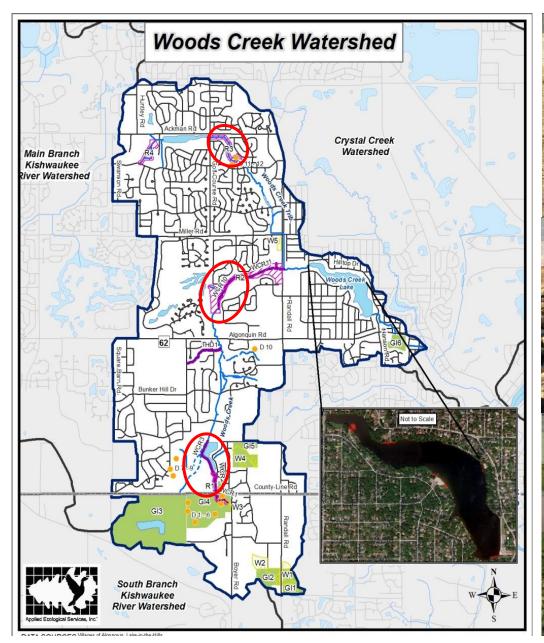
Critical Areas by Type

Stream & Riparian Area



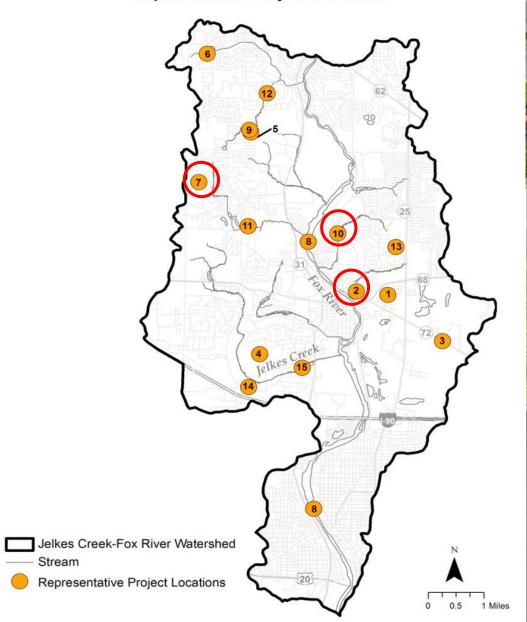


WATERSHED PLANNING = 319 GRANT PROJECTS





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Representative Project Locations

