

## Illinois and Michigan Canal NHC Core Activity Project Descriptions

<b>Core Activity:</b>	Conservation of Natural Resources
<b>Goal:</b>	Selective removal of Invasive tree/shrub/flora for ecological health and views-cape
<b>SMART Goal:</b>	Selective removal projects 5 – 5 acre sites per year X 5 years = 125 acres
<b>Project:</b>	Award 5 – 5 acre target per year for 5 years and conduct selective removal of invasive species.

Project Description	Project Steps	Who will we have as Partner(s)?	Known Resources	What is the cost range estimate?	How will we know we succeeded?
<p>Select Project areas as being five over the regional corridor. Define project site objectives to selectively remove invasive tree and shrub species and treat cut stumps with herbicide to achieve effective control of re-sprouts. Project will increase ambient light penetration promoting improved herbaceous ground cover, decrease erosion, improve ecological health and allow visitors landscape views of the canal corridor.</p>	Identify project areas in five regional zones to focus location along the corridor.	Residents and businesses along the corridor.	MWRD FPD of Cook, DuPage Will Counties	\$4,000/acre X 5 acres = \$20,000 project.  X	Project acreage will be cleared of all identified invasive tree and shrub species at a performance standard of 95% control of all stump re-sprouts and 80% desirable ground cover.
	Achieve voluntary participation of all landowners identified within the project area.	Units of local government along the corridor. Utility companies.	Local municipalities IDNR Homer Tree	5 projects X \$20,000 = \$100,000 / year  X	
	Identify lead agency to coordinate volunteer activities.	Granting agencies, foundations, and NGO's	ComEd	5 years = \$500,000	Volunteer monitoring reports will be completed and submitted.
	Solicit and secure partnerships to manage equipment based tasks.  Organize volunteer labor force / schedule collaborative workdays throughout the year.	Tree cutting and chipping businesses		Contracting costs 25% costs cut to	

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<b>Core Activity:</b>	Conservation of Natural Resources
<b>Goal:</b>	Protect and enhance Open Space Floodplain Communities along the I&M, CSSC and Des Plaines River corridor
<b>SMART Goal:</b>	No net loss of Open Space Floodplain Communities along the I&M, CSSC and Des Plaines River corridor
<b>Project:</b>	Develop a Tool Box of agreements and secure participation of designation and preserve identified Open Space at risk

Project Description	Project Steps	Who will we have as Partner(s)?	Known Resources	What is the cost range estimate?	How will we know we succeeded?
<p>Develop Intergovernmental Agreements with governmental agencies to protect and preserve existing corridor open space.</p> <p>Develop land-use agreements and or lease instruments with utility companies to protect and preserve existing corridor open space.</p> <p>Develop private property conservation easement instruments that will protect and preserve existing open space along the corridor</p>	<p>Identify ownership database of all parcels along the corridor.</p> <p>Identify types of ownership and types of land protection instruments that could be used to preserve and protect lands from future development.</p> <p>Develop a "Tool Box" of instruments and solicit owners to voluntarily participate in agreements.</p> <p>Identify tough targets.</p>	<p>MWRD</p> <p>FPD's of Cook, DuPage and Will Counties</p> <p>IDNR</p> <p>NRCS</p> <p>IEPA</p> <p>Municipalities</p> <p>Business/Corporations</p> <p>Farmland owners</p> <p>Private residents</p> <p>Utility companies</p> <p>US Fish &amp; Wildlife Service</p>	<p>MWRD</p> <p>FPD's of Cook, DuPage and Will Counties</p> <p>IDNR</p> <p>NRCS</p> <p>IEPA</p> <p>State Grants</p> <p>Conservation Fund</p> <p>Openlands</p> <p>Wetlands Initiative</p>	<p>Attorney costs to develop initial instruments for example promotion and utilization.</p> <p>Only tough targets identified would be considered on a case by case basis for consideration of purchasing conservation easements.</p>	<p>Existing Open Space acreage of the corridor in base 2010 year examined against the same calculation in 2015.</p> <p>Total number of acres secured by agreement instruments designed to preserve and protect corridor.</p>

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<b>Core Activity:</b>	Conservation Natural Resources
<b>Goal:</b>	Implement Best Management Practices (BMP) for storm water discharges into the canal corridor
<b>SMART Goal:</b>	Evaluate the origin of all storm water discharges affecting the canal corridor and recommend a BMP plan
<b>Project:</b>	Identify, review and recommend BMP for all storm water discharge inputs into the canal corridor

Project Description	Project Steps	Who will we have as Partner(s)?	Known Resources	What is the cost range estimate?	How will we know we succeeded?
	<p>1) Identify by GPS and plot on GIS map layers all storm water discharges into corridor.</p> <p>2) Identify on GIS map layers the drainage area and corresponding land use and cover type.</p> <p>3) Review drainages with regulatory authorities to evaluate for BMP upgrade and/or compliance.</p> <p>4) Develop BMP plans for project funding submittal and implementation.</p>	<p>MWRD</p> <p>FPD's of Cook, DuPage and Will counties.</p> <p>Army Corps of Engineers</p> <p>USDA/NRCS</p> <p>USEPA/IEPA</p> <p>IDNR/USWFS</p> <p>Grundy &amp; LaSalle counties and municipalities as appropriate</p> <p>Engineering firms</p>	<p>GIS mapping for Cook, DuPage &amp; Will counties.</p> <p>USDA/NRCS Drainage base mapping</p> <p>IEPA, IDNR, ACOE regulatory agencies for evaluation of compliance and BMP</p>	<p>1) \$25,000</p> <p>2) \$65,000</p> <p>3) Time Investment</p> <p>4) \$100,000</p>	<p>Production of a GIS map system with layers containing all storm water discharge locations, drainage polygons, and drainage basin land-use and cover types.</p> <p>Development of a BMP plan for compliance and/or improvement of storm water discharges into corridor.</p>