



STEEL WIRE MESH FENCING

Location: Des Plaines River, Illinois

Customer: Great Lakes Restoration Fund

Project Owner: Great Lakes Restoration Fund

General Contractor: Old Veteran Construction

Material: 1/4" open .063" diameter hot dipped galvanized wire



There was a need to keep Asian carp from breaching the low-lying strip of land between the Des Plaines River and the Chicago Sanitary and Ship Canal and entering the canal during heavy rains.

This \$7 million project involved the construction of a 13-mile concrete and galvanized steel wire mesh barrier. The galvanized steel wire mesh barrier supplied by Direct Metals Company, LLC split the narrow divide between the Des Plaines River and the Chicago Sanitary and Ship Canal, keeping the carp from reaching the Great Lakes during flood events. Asian carp are an invasive species that could potentially eradicate native fish, jeopardizing the Great Lakes' estimated \$7 billion-per-year commercial and recreational fishing industry.



Direct Metals partnered with Future Fence and Old Veteran Construction to specially design a wire mesh suitable for this application. They leveraged its expertise from 15 years in the wire mesh industry to provide a woven wire mesh produced from a wire that was hot dipped galvanized prior to weaving. The end result is a fence that will better withstand the environmental conditions and protect the natural resources of Lake Michigan for a much longer duration of time with less maintenance. The fence ranges from four feet tall in some areas to eight feet tall in areas at risk for deeper flooding. Direct Metals Company, LLC. Supplied a total of 39,500



linear feet or 7.48 miles of wire mesh. Their wire mesh product was designed to allow passage of water to relieve flooding but is small enough to block out all but the smallest fish and eggs. This fence project is an environmentally friendly, recyclable solution provided to protect the surrounding natural environment.

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