CASE STUDY

U.S. Army Corps of Engineers Clark Fork River Debris Boom

CLARK FORK, IDAHO

PNP
PACIFIC NETTING PRODUCTS
INCORPORATED

APPLICATION: DEBRIS AND ENVIRONMENTAL MANAGEMENT

Pacific Netting Products designed and manufactured a 225' ballasted floating HDPE shear boom to direct woody debris from the Clark Fork River into a debris collection holding area. The boom design included a walkway along the entire length. The walkway was 3' wide and constructed with fiberglass reinforced plastic (FRP) to provide a non-slip walking surface. The floating debris boom and work platform was designed to withstand a horizontal drag force of 14,000 lbs. per 100 feet of boom segment. Other design considerations included high winds, turbulent surface water conditions, and pool fluctuations of 18'. PNP continued to participate in the Corps' multi-year contract to replace up to 6,500' of floating HDPE shear boom.

INSTALLATION FEATURES

- 24" and 20" diameter HDPE dual pontoons with FRP walkway
- 18" diameter wing assemblies
- Fabricated in custom lengths
- 2" thick x 48" deep HDPE shear boom
- ½" overlapping sheets between boom sections
- Clevis and hinge end plate connections as required
- Booms supplied with appropriate hardware to allow to connect to existing wood shear booms