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## **QUIKRETE® SHOTCRETE HELPS RESTORE SPOKANE RIVERBED** *Weirs Improve Water Flow to Reclaim Natural Geology and Landscape*

**SPOKANE, Wash. (Nov. 13, 2012)** – The QUIKRETE® Companies, the leading manufacturer of packaged cement mixes for the construction and home improvement markets provided QUIKRETE® Shotcrete MS – Fiber Reinforced for the restoration of the Spokane River. The QUIKRETE® Shotcrete MS – Fiber Reinforced was used to fill channels and create weirs to help return the Spokane River to its natural flow pattern in downtown Spokane, Wash. Prior to the restoration, that section of the river was mostly empty during hot, dry months as a result of manmade channels dating back more than a century.

“In the late 1800s, channels were created at the bottom of the Spokane River to divert water from stagnant pools in the city’s downtown area to mills using hydropower,” said Don Dodroe, Regional Sales Manager for The QUIKRETE® Companies. “While the channels did relieve many of the pools, they also prevented the Spokane River from flowing properly, which basically left the riverbed empty each summer. By building concrete weirs to redirect the flow, the contractor was able to spread water over a larger portion of the riverbed. However, the challenging terrain required the use of material that could be applied in tight spots at long distance and manipulated to match the surrounding landscape, which is why our shotcrete was chosen.”

The undulating riverbed is 150 feet deep and 300 feet wide in some areas, so the QUIKRETE® Shotcrete MS – Fiber Reinforced was pneumatically pumped dry through a hose to each predetermined weir location, in some cases more than 500 feet. Water was then added to the mix at the nozzle during the spray application process. This minimized material waste, created a consistent application and made the process extremely mobile, according to the shotcrete contractor. In addition, the shotcrete was customized to match the color, texture and shape of the natural basalt riverbed as well as the surrounding geology and landscape.

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The American Society of Landscape Architects recognized the Spokane River Restoration with an award earlier this year and described the project as, “an excellent improvement to the river, producing an enjoyable amenity for the community and improving river flow and fish passage.”

QUIKRETE® Shotcrete MS – Fiber Reinforced is a single component Micro Silica enhanced repair and restoration material that achieves more than 9,000 PSI at 28 days, and features very low rebound and permeability characteristics. The QUIKRETE® Companies offers a full line of shotcrete products that can be applied through a wet or dry process to deliver high strength, high adhesion, low rebound and low sag in rehabilitating bridges, tunnels, parking garages, ramps, piers, dams and other concrete structures. In the past decade, QUIKRETE® shotcrete has been used on renovation projects like the Stanford Linear Accelerator in California, the New World Symphony in Florida and Ashton Hydro Electric Plant in Idaho.

For more information on QUIKRETE® and its products, visit [www.quikrete.com](http://www.quikrete.com), like it on [Facebook](https://www.facebook.com/quikrete) and follow it on Twitter [@QUIKRETE](https://twitter.com/QUIKRETE).

### ***The QUIKRETE® Companies***

The QUIKRETE® Companies is the largest manufacturer of packaged concrete and cement mixes in the United States and Canada, and an innovative leader in the commercial building and home improvement industries. QUIKRETE® products are manufactured and bagged in more than 90 manufacturing facilities in the United States, Canada, Puerto Rico and South America, allowing for unsurpassed distribution and product depth. The QUIKRETE® Technical Center ensures that professionals and consumers alike are provided with the most innovative and highest quality products available on the market. For additional information on The QUIKRETE® Companies or its products, please visit [www.quikrete.com](http://www.quikrete.com) or call (800) 282-5828.

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