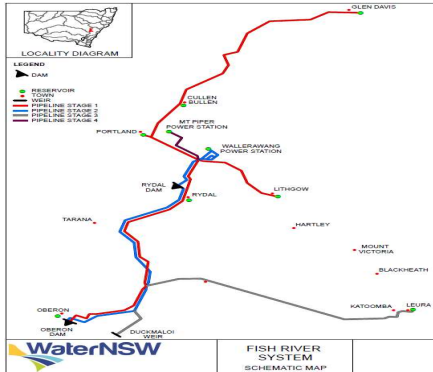


# Fish River water supply – Stage 1

Pipeline in NSW Central Tablelands, Australia



## Project Need

The Fish River Water Supply Scheme on the NSW Central Tablelands is the only water supply scheme in eastern Australia to transfer western flowing water east of the Great Dividing Range, mostly by gravity.

The scheme draws water from Oberon Dam and Duckmaloi Weir and includes 236 kilometres of pipelines and a tunnel under the Great Dividing Range.

The scheme provides water to Wallerawang and Mount Piper power stations, to Oberon and Lithgow councils for domestic and industry use, and to about 230 properties along its route. It also supplements town supplies in the upper Blue Mountains

## Solution

TCM Civil was awarded the contract by State Water to replace approximately 3.7 km of prestressed concrete pipeline using Steel Mains' SINTAKOTE® fusion bonded polyethylene coated cement mortar lined steel pipe for the Fish River Water Supply Scheme. This consisted of 0.66km of OD 914mm, 2.5km of OD762mm RRJ end connection, and 0.6 km of OD762 welded pipeline.

Steel Mains supplied SINTAJOINT® elastomeric ring joint (RRJ) diameter pipe for the pipeline project. The new section of pipeline was constructed with mild steel, fusion bonded polyethylene coated, cement lined pipe complying with Australian Standards AS1579, AS4321 and AS1281; manufactured in 12.2 and 13.5 metre overall lengths from 6mm wall thickness, 300 MPa grade steel.

## Achievements

Steel Mains was well prepared to meet the specifications of the order capitalising on the experience and expert knowledge that comes from supplying pipeline systems in Australia for over 100 years. Our Sintakote® coated pipes also provided WaterNSW with the confidence that these pipes would provide a service life beyond 100 years, securing water supplied for those in the region.

The successful completion of the Fish River Water Supply Scheme upgrade is a fine example of the water industry's ability to combine its capabilities and deliver large scale projects to the community safely, on time, under budget and meeting all quality requirements.

[www.steelmain.com](http://www.steelmain.com)

**Project:** Fish River – Stage 1

**Principal:** State Water Corporation

**Location:** Oberon NSW

**Completion:** 2011

**Supplied:** 3.7km of SINTAJOINT® SINTAKOTE® SINTAKOTE®MSCL pipe: 0.66km – 914OD RRJ, 2.5km – 762OD RRJ, 0.6km - 762OD.