



CASE STUDY

Water Quality Monitoring and Slug Testing – Iron Princess Mine

Quick Facts

Client: OneSteel - Arrium Mining

Date: 2013

Location: Iron Princess Mine, South Australia

Ref: HT 15-4216

Products: Low Flow sampling kit (Bladder Pump), water quality meter, levellogger, Barologger, Slugs, Digital Titrator and Matrix Drill

Services: Groundwater sampling, surface water sampling, low flow sampling, project management, sample management and Slug testing

OneSteel required eleven groundwater bores to be sampled and a Lake Sample taken at its Iron Princess site, near Whyalla. The sampling was required to provide baseline groundwater data at the site of the proposed Western Pit. The sampling included analysis for major ions, pH electrical conductivity, TDS and field parameters.

Assignment

- HydroTerra was engaged by OneSteel to monitor the groundwater condition of eleven shallow water bores at Iron Princess Mine, Whyalla
- Samples from 11 bores were taken using the low flow fit
- Slug tests at the same bores were also undertaken using the Solinst Levelloggers
- Samples were transported to a NATA accredited lab for testing

HydroTerra Solution

- Completed field works over a 1 week period
- Results were submitted to Arrium Mining in report format

