

# **LINDIS RIVER CROSS SECTION SURVEY DECEMBER 2009**

## ***BTW SOUTH LTD (CROMWELL)***

### **DATES OF SURVEY:**

December 8-9 2009.

### **EQUIPMENT USED:**

GPS: Leica System 1200 GPS Receivers, SN's 187120 & 470233

Method of survey – Real Time Kinematic (RTK)

### **DATUM AND ORIGIN OF COORDINATES:**

The survey was completed in Geodetic Datum 2000, Lindis Peak Circuit.

Origin of Coordinates was taken from 5<sup>th</sup> order geodetic marks – A3M6 and A3NH.

### **METHOD:**

I set up the GPS Base station on A3M6 and used the GPS rover to coordinate the new benchmarks. I then moved the GPS Base station to A3NH to check the coordinates of the new benchmarks. For each cross section I surveyed the two end points of the x-section and then setout the reference line between them taking shots along the cross section.

### **BENCHMARK ACCESS:**

All benchmarks are adjacent to Ardgour Road and are accessible from the roadside except for LIN 01 and LIN 07. LIN 01 is accessible by turning down Leithbridge road and following the long driveway to the farm homestead which is on private land. At the homestead you go left into the paddock and follow the top of the terrace north for approximately 300m to find the benchmark beside the fence. LIN 07 is near the mouth of the Lindis River and is accessible via a 4WD track to along the southern riverbank.