

Sudan Rail

Source: UN Joint Logistics Centre
Modified by UNJLC Southern Sudan
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Completeness of data:

Rail network and its attributes was determined using a variety of sources. Primary sources included the Sudan Railways Corporation as well as WFP. The Sudan Rail Corporation (SRC) publishes regular documents that describe the status of its rail network as well as future plans. WFP Sudan has conducted several rail assessments in recent years. The SRC documents, assessment documents and interviews with the individual who generated those documents have provided a current, and complete rail network, as well as characteristics of those railway lines.

There have been several digital versions of the railway line. The UNJLC A-Z of Southern Sudan and the Transition Areas project used those digital layers as well as its compiled data on the rail network to firstly create a complete rail layer. That layer was then compared against Landsat 7 images of Sudan, at a scale of 1:50,000, to determine correct positioning of the layer.

The rail line was very clearly indicated for most areas of Sudan on the Landsat 7 images. There were some areas where the rail line was less evident (Kosti-Khartoum, some sections on the Kassala, Wadi Halfa and Atabara-Haiya lines) for some sections.

Generally, the layer should be a complete representation of the rail network and accurate to a scale of 1:50,000.

Reliability of data:

- Primary source – High quality data
- Primary source – Reasonable data
- Primary source – Rapidly assessed data
- Secondary source
- Different sources with different levels of reliability

Comments:

The shp database file has the following fields:

1. **Name:** Provides to from information for rail sections (not all accurate)
2. **Operarationa:** 1 = operational, 0 = non-operational
3. **Weight:** Rail weight – which can influence locomotive types that can use certain sections of track as well as speeds.
4. **Gauge:** There is a single gauge for all track in Sudan, (1067)
5. **Agency:** The agency who verified and corrected the layer
6. **Source:** Source for verification. All tracks were verified by Landsat 7 images. The EU Satellite Centre mosaiced a set of Landsat 7 images for Sudan. They were the source used by UNJLC.