**Explantory Notes Dataset 1**

**Sheet 1**

Data of average monthly rainfall at Boontjieskraal weather station for the period 2013 – 2019. The data were obtained from Agricultural Research Council.

**Sheet 2**

Data of total annual rainfall at Boontjieskraal weather station for the period 2013 – 2019. The data were obtained from Agricultural Research Council.

**Sheet 3**

Data of average monthly streamflow in the Riviersonderend river at H6H009 gauging station for the period 2013 – 2019. The data were obtained from the Department of Water and Sanitation.

**Sheet 4**

Data of annual total streamflow in the Riviersonderend river catchment at H6H009 gauging station for the period 2013 – 2019. The data were obtained from the Department of Water and Sanitation.

**Sheet 5**

Data of monthly percentage storage of Theewaterskloof dam at H6R001 gauging station for the period 2013 – 2019. The data were acquired from the Department of Water and Sanitation.

**Sheet 6**

Data of weekly percentage storage of Theewaterskloof dam at H6R001 gauging station for the period 2013 – 2019. The data were acquired from the Department of Water and Sanitation.