Charters Towers Regional Council Local Knowledge Map

Resilient Queensland Queensland Reconstruction Authority

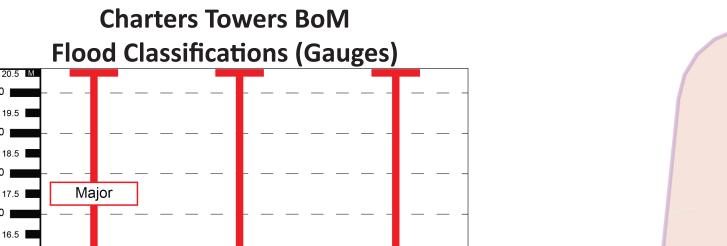


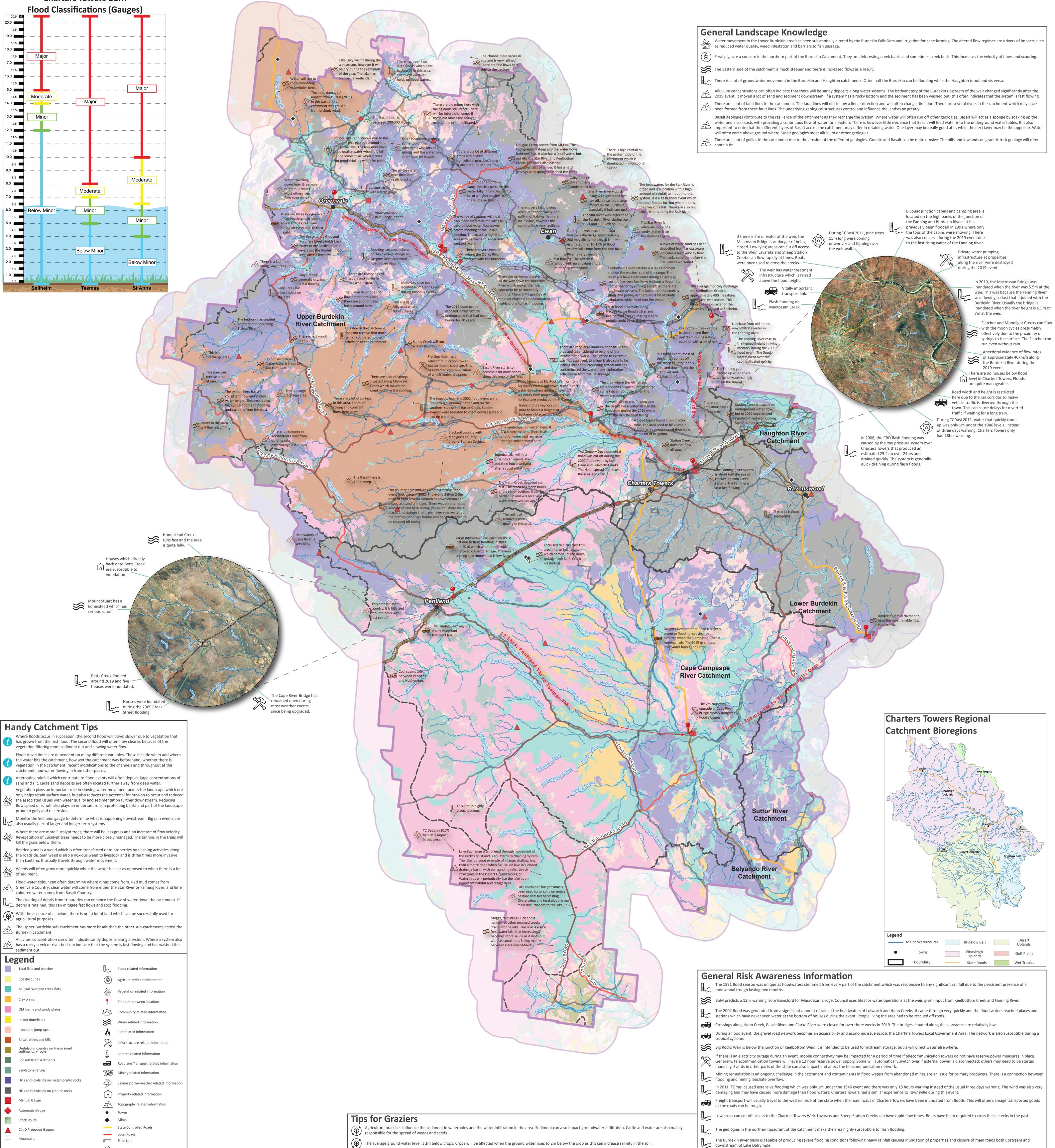
Catchment Overview



The Charters Towers Local Government area (LGA) encompasses six sub-catchments being the Belyando, Cape Campaspe, Haughton, Lower Burdekin, Upper Burdekin and the Suttor. The headwaters of the Cape, Campaspe and Haughton Rivers are located in Charters Towers and all have similar flow behaviours with water transversing to the east. Segments from both the Belyando and Suttor River sub-catchments are closely situated along the south-east boundaries of the LGA, while the Upper and Lower Burdekin sub-catchment spans from the north-east quadrant of the LGA before passing through the LGA in the east. Each of these systems eventually drain into the Great Barrier Reef Marine Park and are remarkably responsive to rainfall and flood events. Major towns situated the Upper Burdekin include Greenvale and Charters Towers which are not situated near a major system. In the Cape Campaspe sub-catchment, Pentland is situated near a range of tributaries which flow into the Cape River, and Ravenswood is the only major regional town in the Lower Burdekin sub-catchment. There are no major towns identified in the Belyando, Haughton, and Suttor sub-catchment sections of the Charters Towers LGA.







Climate & Rainfall

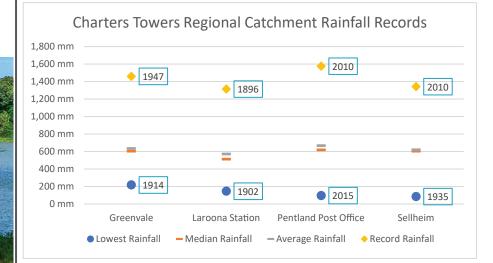
Weather and climate characteristics in the Charters Towers Regional catchments in the last 30 years (1989 - 2018):

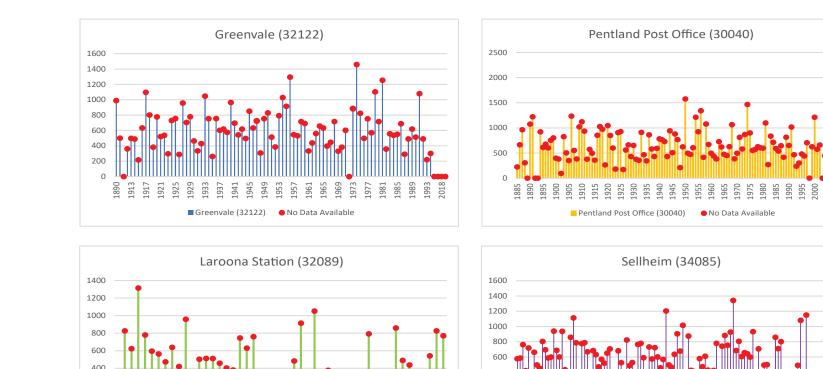
The catchment is very responsive to rainfall from coastal influences, monsoons, tropical cyclones and depressions.

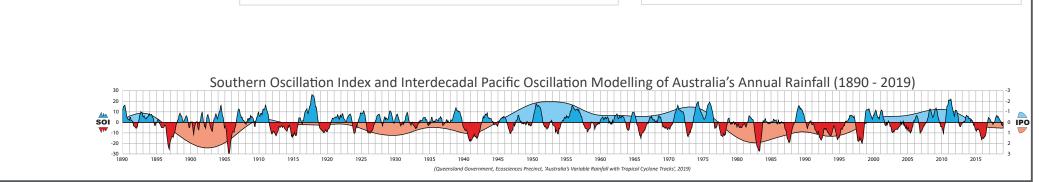
Annual rainfall has been relatively stable, however growing season rainfall averages have decreased.

In the last 30 years (1989-2018), dry years have occurred 12 times and wet years have occurred 12 times. The three-monthly rainfall totals leading into the dry season have increased slightly with annual rainfall being relatively stable.

The hydrological seasonality associated with wet and dry season flow conditions are critical to ecological charter, function and associated values of aquatic ecosystems. While these patterns provide the overarching driver for the system, on floodplains, the altered flow regimes associated with functioning of the dam and irrigation system are the drivers of impacts such as reduced water quality, weed infestation and barriers to fish passage.







Flood events generally follow heavy rainfall with most common floods occurring in February and March. Very large floods generally occur between January and April, and significant

events occurring from December till July.



60)

Tropical Cyclone/Cyclonic related weather

Map Authors:

Disclaimer

While every care is taken to ensure the accuracy of this data, Department Environment and Science, Geoscience Australia, Bureau of A commercial product is accuracy, liability (including indirect or consequential damage) and costs which might be incurred as a result of the data being inaccuracy, liability (including without limitation, liability (including indirect or consequential damage) and costs which might be incurred as a result of the data being inaccuracy, liability, incompleteness or suitability (including without limitation, liability (including indirect or consequential damage) and costs which might be incurred as a result of the data being inaccuracy, liability, incompleteness or suitability (including without limitation, liability (including indirect or consequential damage) and costs which might be incurred as a result of the data being inaccuracy, liability, incompleteness or suitability (including without limitation, liability (including indirect or consequential damage) and costs which might be incurred as a result of the data being inaccuracy, liability, incompleteness, or suitability (including without limitation, liability, incompleteness, or suitability (including without limitation, liability, incompleteness, or suitability, incompleteness, or suitability, including without limitation, liability, incompleteness, or suitability, incompleteness, or suitability, including without limitation, liability, including without limitation, liability, incompleteness, or suitability, including without limitation, liability, including without limitation, liabili

() Farmers along the Burdekin River will try not to disrupt the soil from December to April as this may cause erosion.