

Above is a schematic diagram of a gravity-fed mini-Bradfield Scheme transporting water from the coastal rivers via a levy/pipeline combination (blue) to the storage and distribution lakes on the Great Dividing Range (green).

The levy would accumulate water from the Burdekin River at Hell's Gate (note the dam would not be needed) and acquire the additional water en route at the Basalt, Campaspe and Cape Rivers (purple). These are headwater collections and so would not impact the regular flows greatly, and help to mitigate flood flows downstream.

The storage lakes of Lake Buchanan and Lake Galilee are currently dry salt lakes whose capacity would be greatly expanded by dams at a few strategic locations. The lakes are uniquely positioned at intermediate elevations on the Great Dividing Range allowing stored water to be gravity fed to the destinations.

From the storage lakes, channels or pipelines would distribute the water where and when needed - to industrial uses east of the Divide such as the Adani Mine, and to new irrigation areas west of the Divide around Muttaborra, Aramac, Barcaldine and Longreach.