



- There are > 600 dams in the Eastern Cape with a capacity > 20 000 m<sup>3</sup> (domestic, industrial, irrigation, stock watering.)
- Total capacity:
  - 4,838,172,000,000 liters
  - 4,838,172,000 m<sup>3</sup>

The 10 largest dams are:

Dam	Completed	Raised	River	Type of Dam Wall	Capacity (mil. m <sup>3</sup> )
Gariep	1971		Orange	Concrete Arch	2672*
Mtata	1977		Mtata	Earthfill	254
Darlington	1922	1952	Sundays	Gravity	187
Ncora	1972		Tsomo	Gravity	181
Xonxa	1972		White Kei	Earthfill & Rockfill	159
Lubisi	1978		Indwe	Concrete Arch	158
Kouga	1964		Kouga	Concrete Arch	129
Impofu	1983		Kromme	Earthfill & Rockfill	107
Bridle Drift	1969	1994	Buffalo	Rockfill	98
Wriggleswade	1991		Kubusi	Gravity & Arch	93

\*50% of the capacity of the Gariep Dam as it is on the border between Eastern Cape and Free State

The capacity of these 10 dams is **4,036 million liters (83% of the total capacity of all the dams in Eastern Cape)** and **50% of the capacity can provide a sufficient supply of domestic water (150 l/p/d) to > 36 million people for 1 year.**

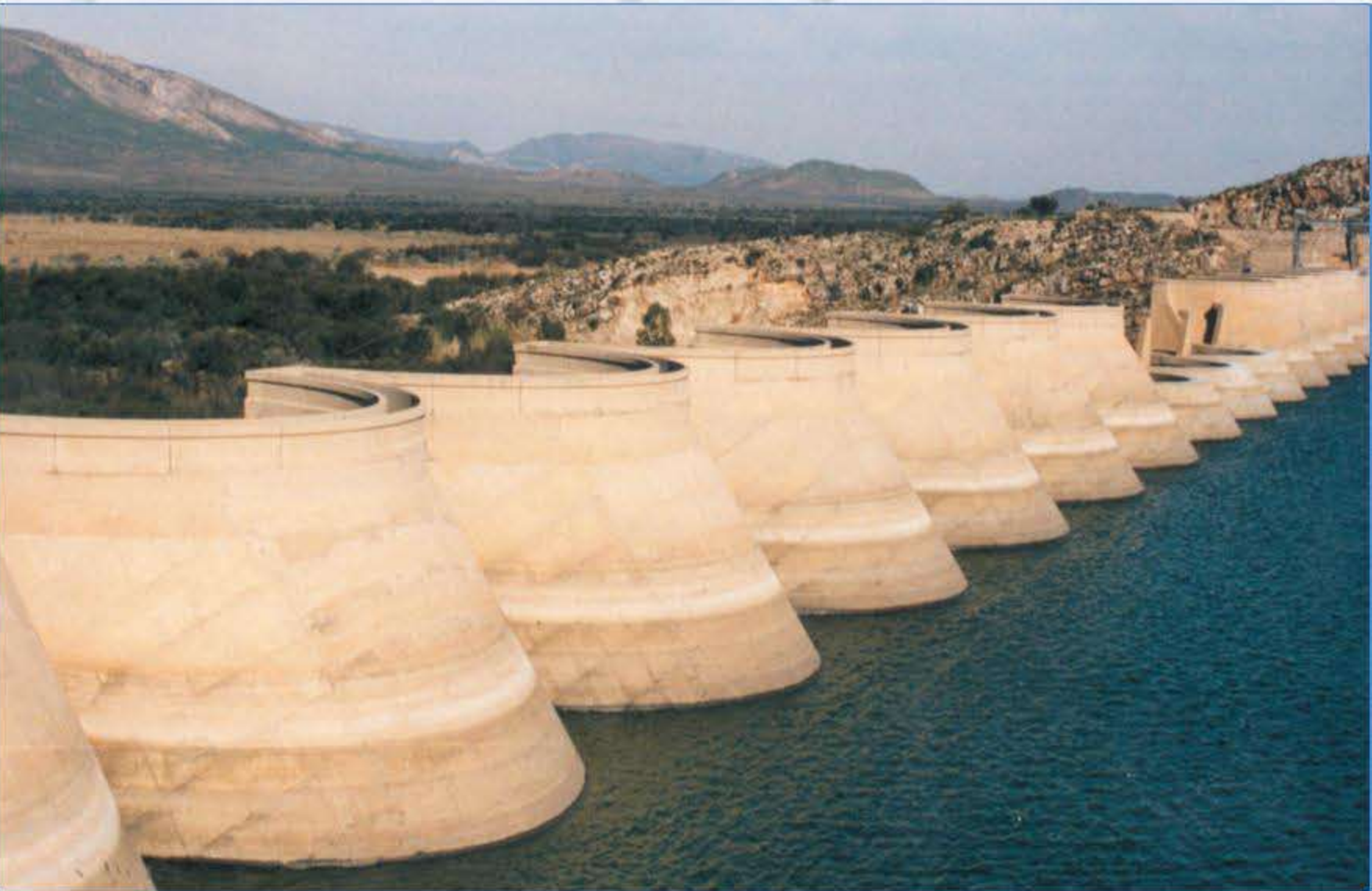
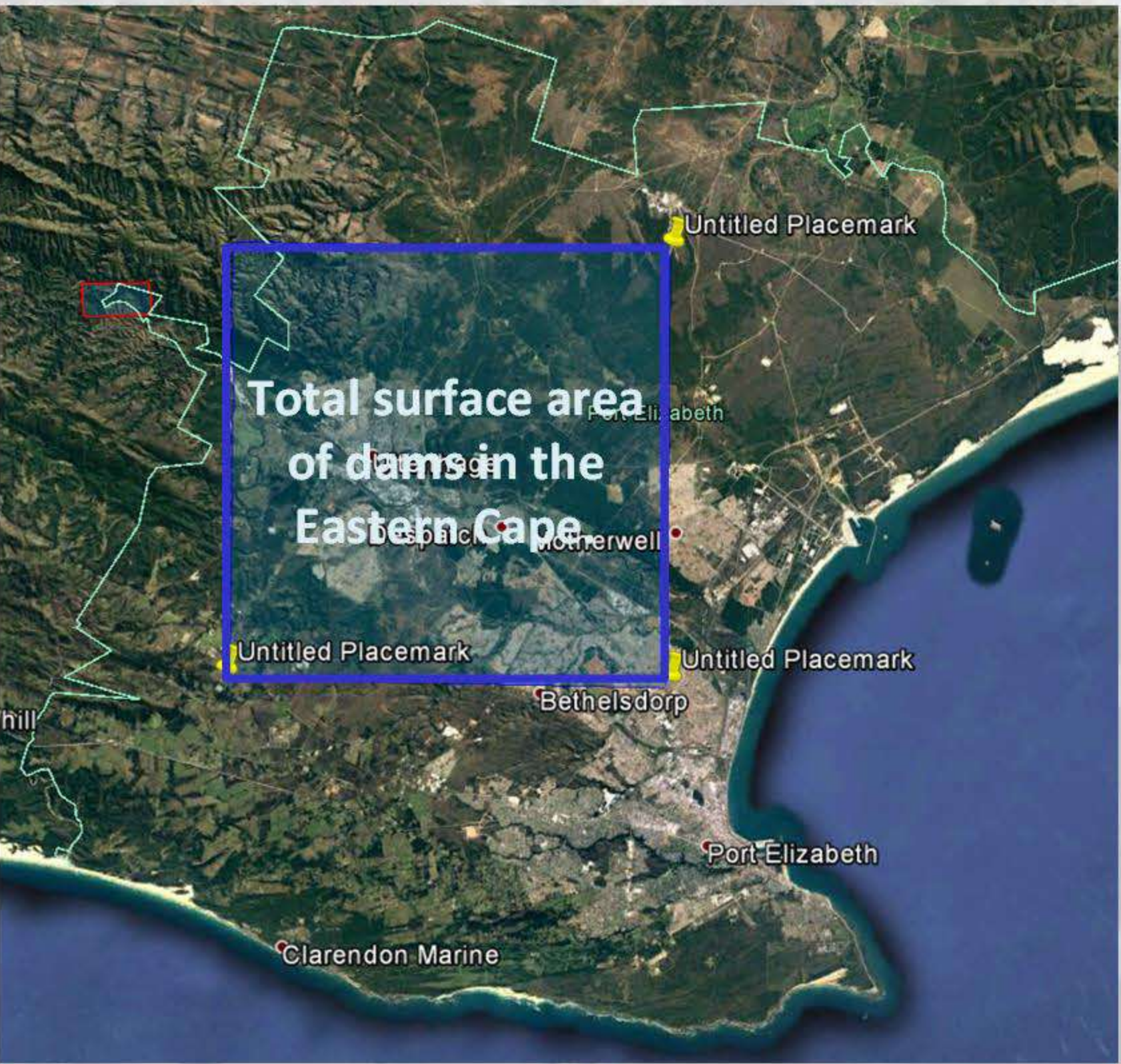
**Eight (8) dams have a capacity of > 100 million m<sup>3</sup> which is 80% of the total capacity of all the dams in the Eastern Cape.**

The total surface area of all the dams in the Eastern Cape is > **64 000 ha (640 km<sup>2</sup>)**, which is 1/3 of the municipal area of the Nelson Mandela Bay.

Of the 613 dams, **482 (83%)** are used only for irrigation and stock watering (total capacity of 1 million cub meters). Of these **458** dams are privately owned or belongs to irrigation boards) and **27** are under the control of Department of Water and Sanitation.

The Department of Water and Sanitation is owner/co-owner of **77** dams with a total capacity of **4,447 million m<sup>3</sup> ( 92% of the total dam capacity in the Eastern Cape).**

Most of the dams in the Eastern Cape (> 400) were constructed between 1957 and 1997 (20 to 60 years ago). **Since 1997 (20 years ago) 40 dams** were constructed with a total capacity of **8 million m<sup>3</sup>**. The Mtata Dam (second largest dam in WC) was constructed in 1977 (40 years ago).



Beervlei Dam

Distribution: Capacity (Mega liters) – Number of Dams

