

FACTS & FACILITIES

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- The Authority was established in 1983 with the enactment of the Water Authority Law
- Both the West Bay Beach Sewerage System and the George Town Piped Water Supply project became operational in 1988
- The Authority's customer base has more than tripled since 1996, expanding from 5,000 service connections to approximately 17,000 in 2014
- The Cayman Brac Piped Water Supply project began in 1991 and continues to expand
- A process called reverse osmosis (RO) is used to purify saline groundwater so that it is safe to drink
- The Authority's RO plants produce water that is of a higher quality than that mandated by the World Health Organisation guidelines for drinking water quality
- In 2002, the Authority's Laboratory became the first lab in the Caribbean specialising in water and wastewater analysis to receive accreditation from the American Association for Laboratory Accreditation (A2LA)
- The Authority is charged with the management and protection of groundwater resources in the Cayman Islands. Priority is given to protecting the fresh groundwater lenses in Grand Cayman and Cayman Brac (there are no significant fresh groundwater lenses in Little Cayman)

FACILITIES

- The Authority owns five RO plants: four in Grand Cayman and one in Cayman Brac
- The water produced by the RO plants is stored in 10 reservoirs (8 in Grand Cayman and 2 in Cayman Brac) which, together, have a total storage capacity of 58,100 m³ or 15.35 million US gallons
- The first groundwater resource development was commissioned in 1984 in Lower Valley, the facility was decommissioned in 1996 to make way for the Lower Valley Water Works
- The original wastewater treatment facility was commissioned in 1988 and consisted
 of four large, waste stabilization ponds; that facility was replaced in 2004 by a
 Sequencing Batch Reactor wastewater treatment works that has a treatment
 capacity of 9,500 m³ or 2.5 million US gallons per day
- The Authority operates a wellfield in East End where fresh groundwater is pumped from 10 wells into a 330 m³ or 80,000 US gallon reservoir before being sold to trucking companies

Interested in learning more about the Authority?

Visit the "History" section of our website to find out more.









