

DEEP AQUIFER EXPLORATION FEASIBILITY ASSESSMENT & DRILLING PROGRAMME

In January 2017, Connect Saint Helena Ltd appointed Consultants WSP to assist with the implementation and execution of a feasibility study on deep aquifer exploration drilling on Island.



Areas targeted for borehole drilling

121 Drilling (who drilled some boreholes under the airport development programme) was engaged simultaneously to carry out drilling of approximately 10 boreholes, with the average depth of 100m, as part of the deep aquifer exploration drilling programme. Groundwater drilling programmes carried out in the past targeted only the shallow aquifers, with these aquifers prone to suffer from adverse effects of drought conditions.

The purpose of the deep aquifer exploration investigation is to:

- Identify suitable sites as potential deep aquifer drilling targets.
- Drill boreholes which can potentially be used to supplement the water supply on the island - especially during periods of drought.
- Gather hydrogeological information on deeper aquifers.
- Use the information gathered to further the understanding of the groundwater regime on the island.

Drilling is to be largely carried out based on the following:

- In proximity to existing water treatment works' sites and water distribution systems.
- Favourable geological conditions.



Sameg 120 Drill Rig

Drilling will start in the Redhill area