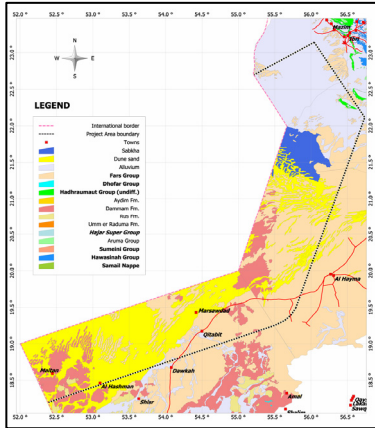


SULTANATE OF OMAN
 MINISTRY OF REGIONAL MUNICIPALITIES,
 ENVIRONMENT AND WATER RESOURCES

DRILLING AND AQUIFER TESTING PROJECT
 IN THE WESTERN AL WUSTA DESERT

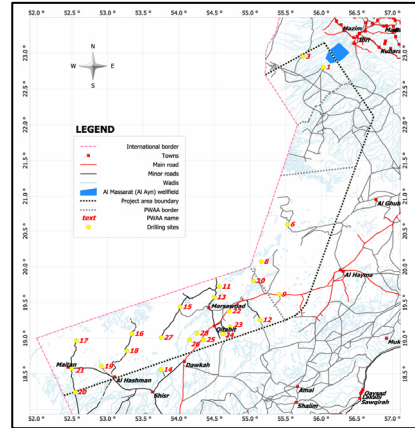
PROJECT
 ACTIVITIES



Detailed review of geology, structure and hydrogeology of Project Area before Project commencement to identify target aquifers.



Good navigation skills were required to find drilling sites in the sand dunes.



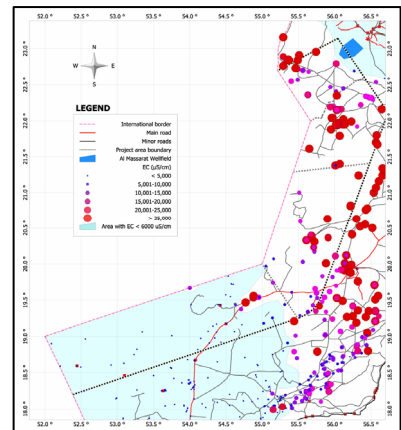
Map showing the location of drilling sites. Sites were selected near villages, faults, wadis and in areas where there was likely to be good quality water.



Small mobile, self-contained, drilling units were used to keep the Project on target.



Identification of microfossils, to identify the contact between the U.UER (L. Eocene) and L.UER (Paleocene), was key to the successful completion of artesian boreholes.



Classification of the groundwater salinity and irrigation water quality was one of the main aims of the Project.



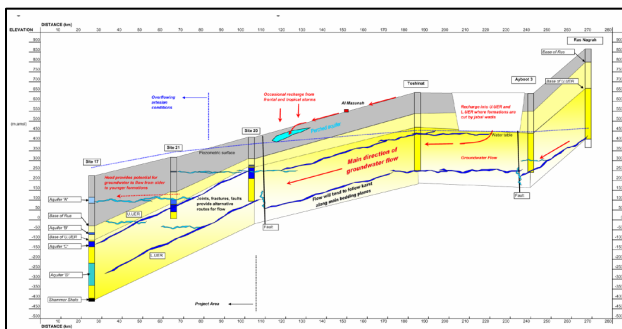
Specially designed wellheads were made to contain the high artesian pressures.



Open and shut-in pumping and aquifers tests were conducted on the artesian boreholes.



Providing water for developing agriculture was the ultimate aim of the Project



Understanding and qualifying recharge process, the amount of groundwater storage and exiting outflows was also key to Project objectives.