

Using environment tracers for investigation of submarine groundwater discharge

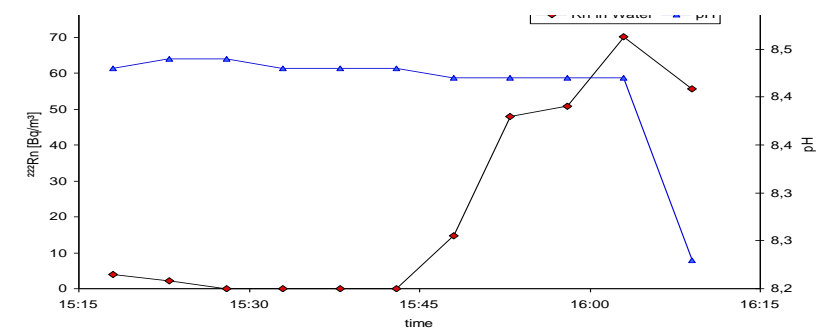
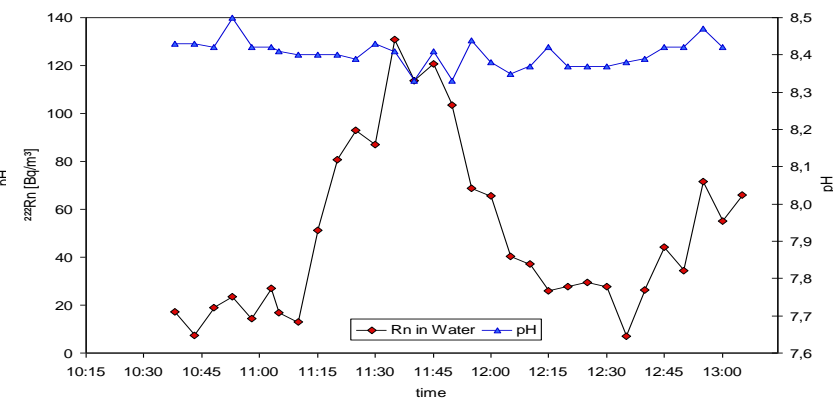
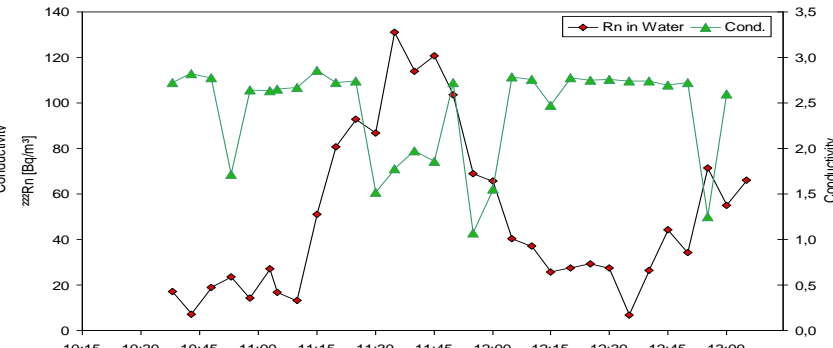
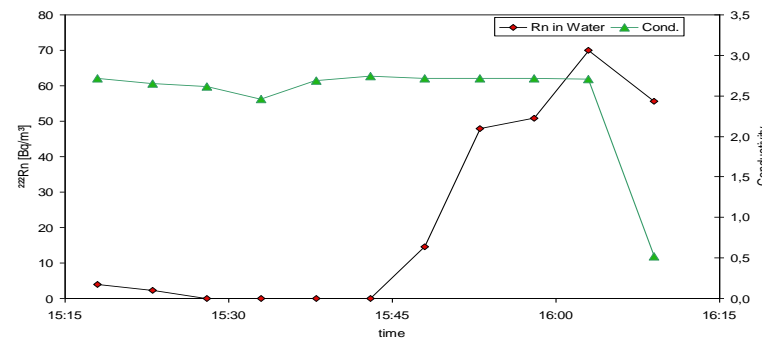
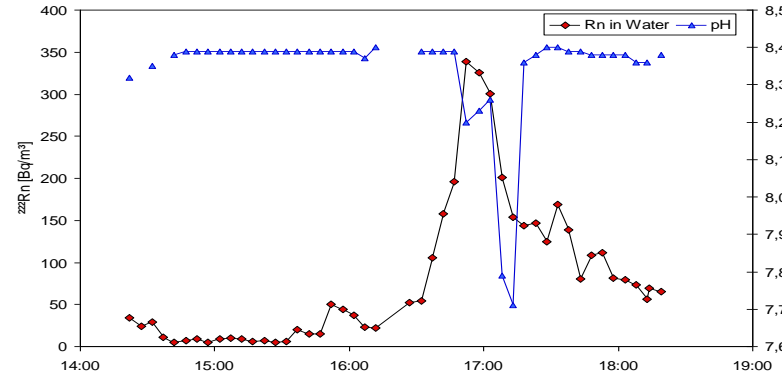
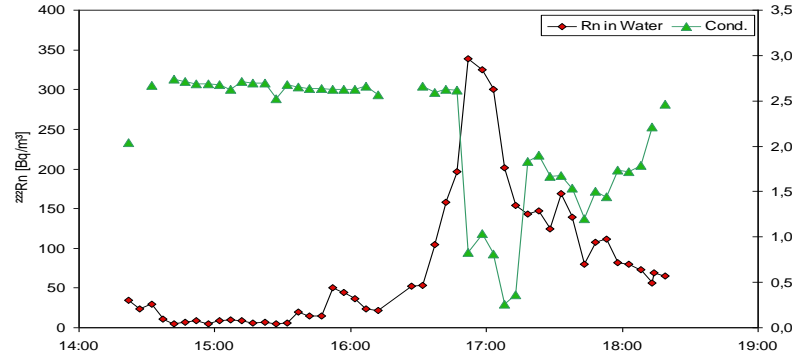
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1.) High ^{222}Rn indicates SGD at Kobuleti, south of it and at River Chaqvis-Tskali.

2.) Low conductivity indicate SGD at Kobuleti, south of it and at River Chaqvis-Tskali.

3.) Low pH indicate SGD at Kobuleti.

4.) All data indicate SGD influence that is spatially limited to an area very near to the coast line.



The vertical distribution of ^{137}Cs activity concentration in the core sediment revealed a narrow peak at 7.5 cm attributed to the Chernobyl accident and a second highest concentration value at 18 cm that could be attributed to the nuclear tests. Using these two values the sedimentation rate was estimated at approximately 0.3 cm/year.

