

Table S1: Isotopic composition of groundwater and rainfall samples.

Sample Name	Wet Season		Dry Season		Aquifer System
	$\delta^2\text{H}$, in ‰	$\delta^{18}\text{O}$, in ‰	$\delta^2\text{H}$, in ‰	$\delta^{18}\text{O}$, in ‰	
BH4	-13.7	-3.3	-13.0	-2.5	Bokkoved (Intergranular)
BH6	-10.2	-2.4	-11.6	-2.6	Bokkoved (Intergranular)
BH9	-21.0	-5.1	-21.2	-4.9	TMG (Fractured)
BH 11	-19.9	-4.6	-19.9	-4.5	TMG (Fractured)
BH15	-24.3	-5.3	-24.5	-5.3	TMG (Fractured)
BH16	-17.5	-4.2	-24.4	-5.0	TMG (Fractured)
BH20a	-16.5	-4.2	-16.3	-3.9	Bredasdorp (Intergranular & fractured)
BH20b	-16.9	-4.0	-17.4	-4.2	Bredasdorp (Intergranular & fractured)
BH20c	-16.5	-4.2	-17.2	-4.2	Bredasdorp (Intergranular & fractured)
BH21	-21.3	-5.0	-21.8	-5.1	TMG (Fractured)
BH26	-23.3	-5.1	-25.0	-5.1	Bokkoved (Intergranular)
BH28	-25.6	-5.5	-25.9	-5.5	Bokkoved (Intergranular)
BH5	-15.7	-3.5	-12.6	-2.7	Bokkoved (Intergranular)
BH7	-11.5	-2.6	-12.3	-2.6	Bokkoved (Intergranular)
BH8	-9.4	-2.7	-10.5	-2.5	Bokkoved (Intergranular)
BH10	-14.7	-3.8	-19.7	-4.1	TMG (Fractured)
BH12	-20.3	-4.7	-20.1	-4.5	TMG (Fractured)
BH17	-22.9	-5.0	-20.3	-4.5	TMG (Fractured)
BH19	-12.7	-3.8	-22.7	-4.7	TMG (Fractured)
BH22	-21.2	-5.0	-20.7	-4.9	TMG (Fractured)
BH23	-13.1	-4.0	-11.8	-3.3	TMG (Fractured)
BH25	1.6	-0.4	-3.3	-0.9	TMG (Fractured)
BH27	-22.9	-4.7	-22.8	-4.9	Bokkoved (Intergranular)
BH29	-23.2	-5.1	-23.6	-5.1	Bokkoved (Intergranular)
BH24	-22.5	-4.8	-10.9	-2.7	TMG (Fractured)
Tussen rainfall	-23.5	-4.7	-28.2	-5.0	-
Modder rainfall	-20.6	-4.7	-23.2	-4.5	-
Seawater	0.0	0.2	-	-	-