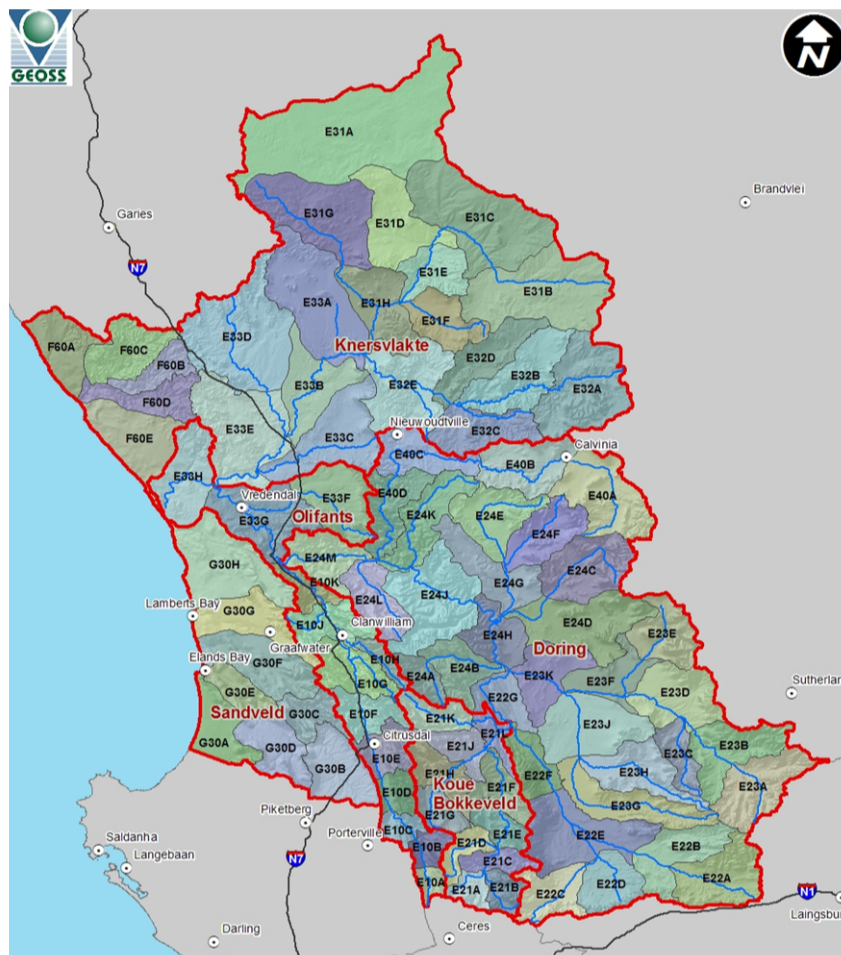


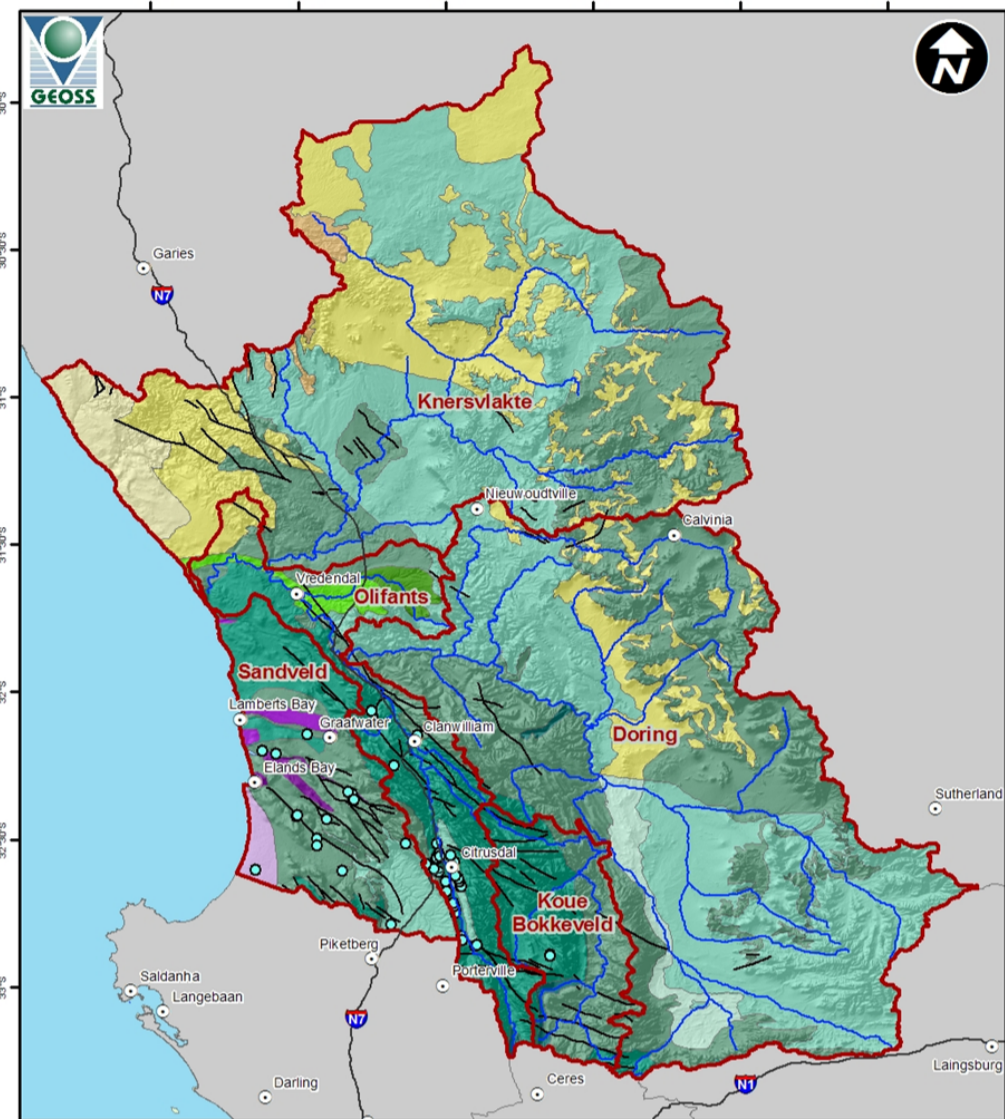
CLASSIFICATION - AQUIFERS IN THE OLIFANTS DOORN WMA

Management classes (I, II and III)

Class I	The configuration of water resources within a catchment results in an overall water resource condition that is minimally altered from its pre-development condition
Class II	The configuration of water resources within a catchment results in an overall water resource condition that is moderately altered from its pre-development condition
Class III	The configuration of water resources within a catchment results in an overall water resource condition that is significantly altered from its pre-development condition



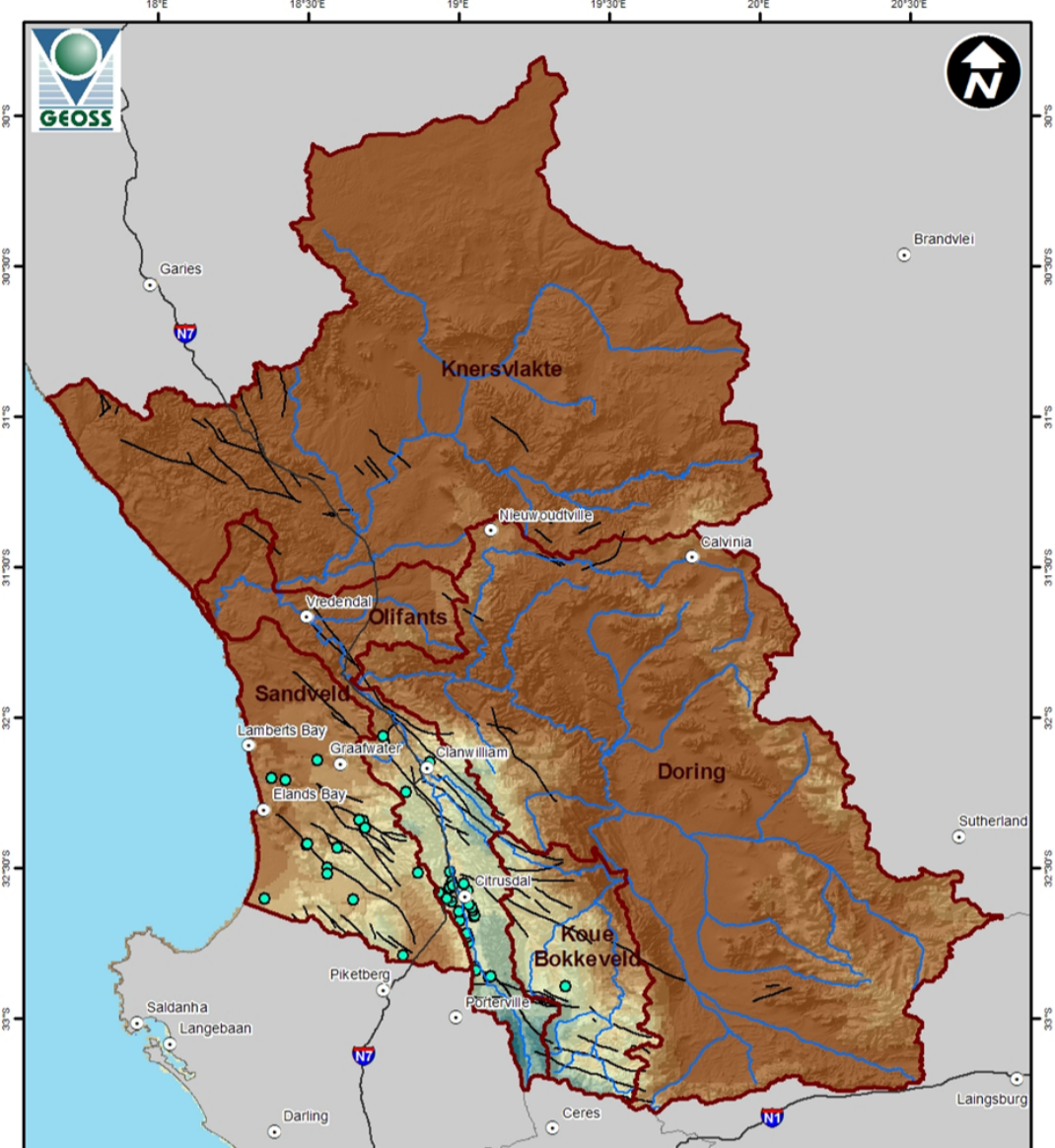
Aquifer Yield and Type



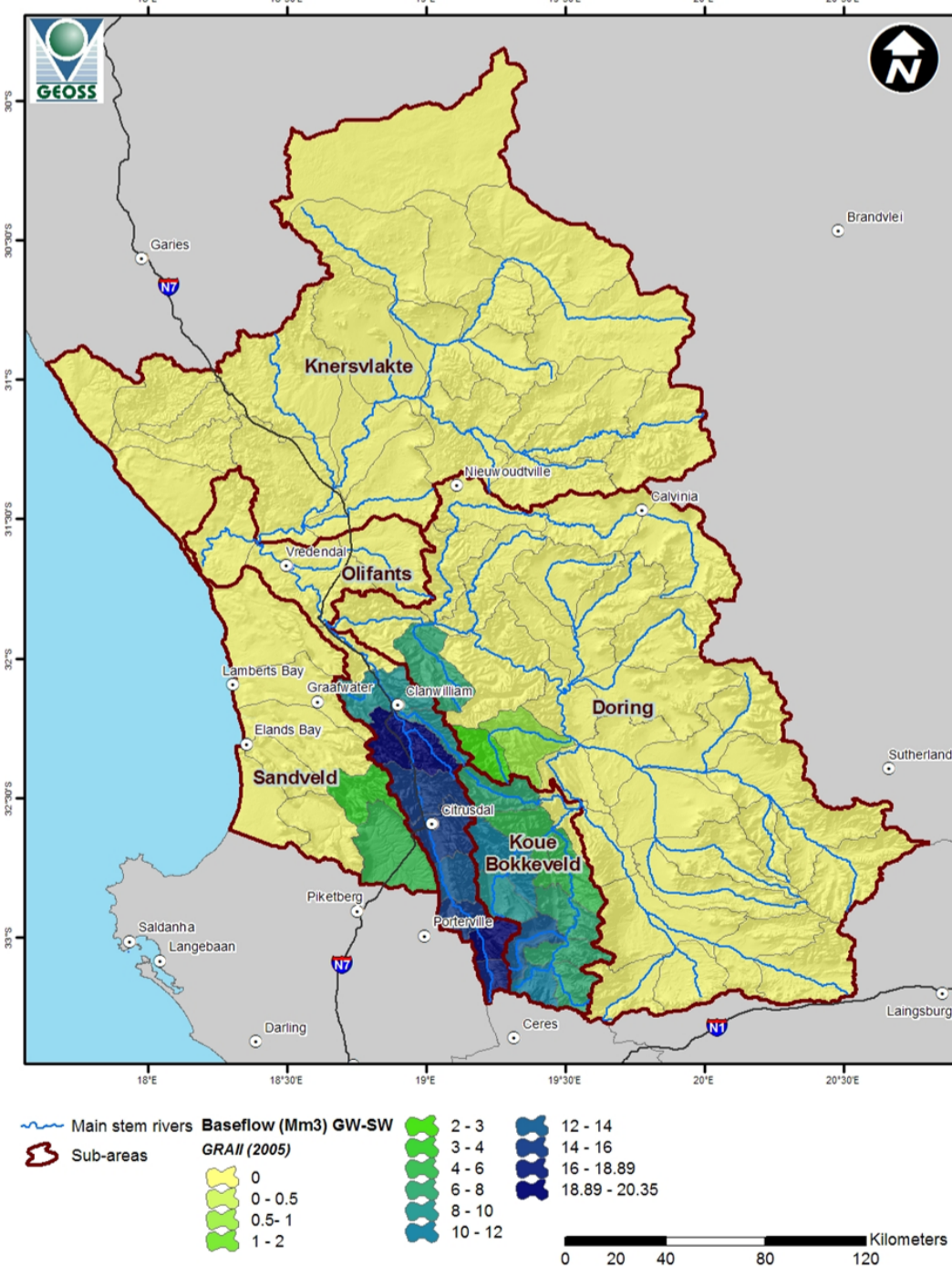
Aquifer type and yield	Total Area (km <sup>2</sup> )	% of Area of WMA
Fractured 0.0 - 0.1 l/s	947.6	1.7
Fractured 0.1 - 0.5 l/s	18584.0	32.8
Fractured 0.5 - 2.0 l/s	18414.5	32.5
Fractured 2.0 - 5.0 l/s	5975.9	10.5
Fractured > 5.0 l/s	188.9	0.3
Intergranular 0.1 - 0.5 l/s	267.1	0.5
Intergranular 2.0 - 5.0 l/s	198.5	0.4
Intergranular > 5.0 l/s	157.7	0.3
Intergranular and fractured 0.0 - 0.1 l/s	1227.1	2.2
Intergranular and fractured 0.1 - 0.5 l/s	9685.2	17.1
Intergranular and fractured 0.5 - 2.0 l/s	335.8	0.6
Karst 0.5 - 2.0 l/s	482.9	0.9
Karst > 5.0 l/s	276.8	0.5

- Fractured (78 %)
- Intergranular (1 %)
- Intergranular and fractured (20 %)
- Karst (1 %)

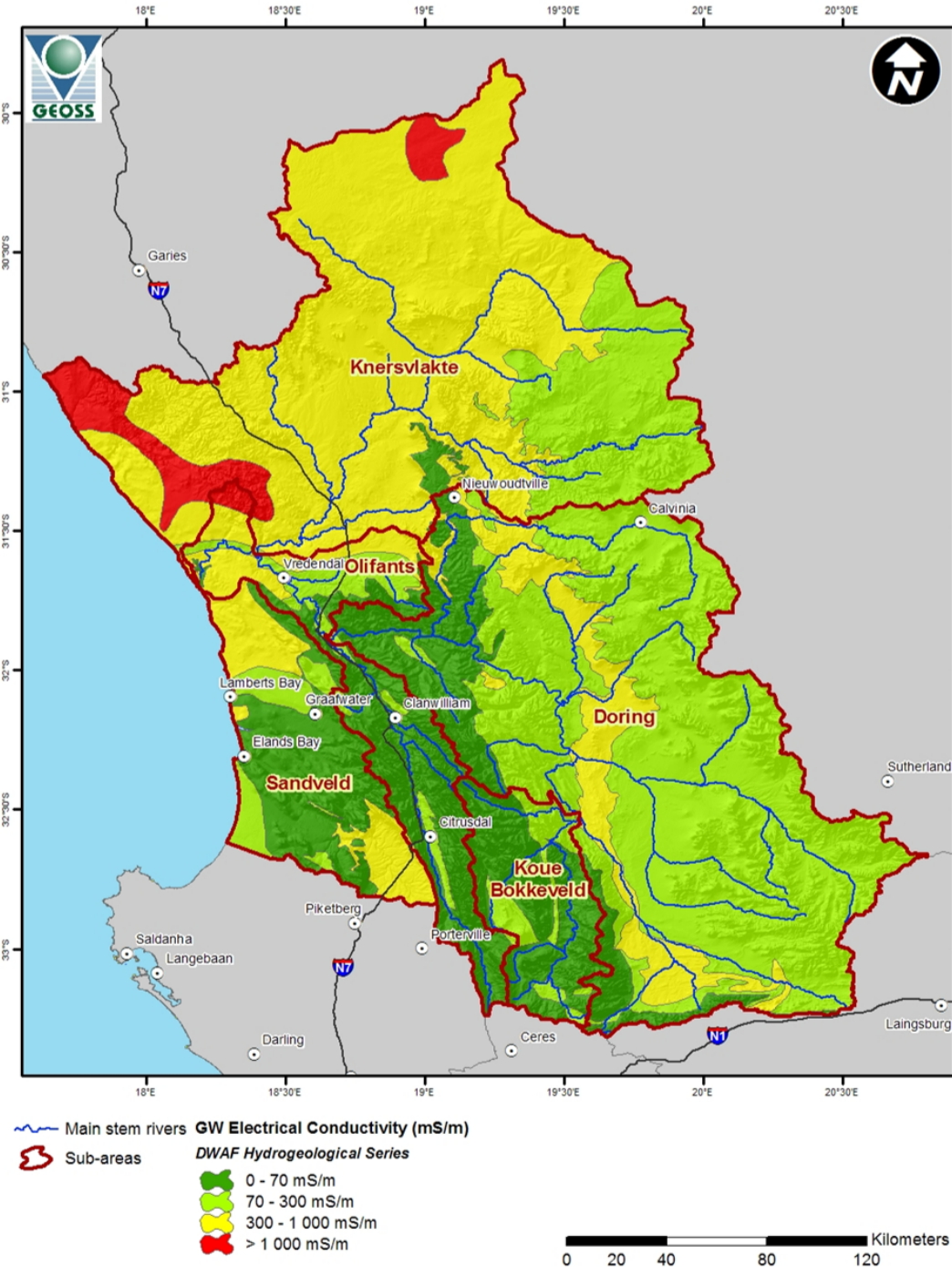
Recharge



Groundwater Contribution to Baseflow



Groundwater Quality



Summary of groundwater information per quaternary catchment

- Unit (Quaternary catchment)
- Area (km<sup>2</sup>)
- Groundwater recharge (Mm<sup>3</sup>/a)
- GW Use (Mm<sup>3</sup>/a) per sector (i.e. domestic / agriculture / industrial etc )
- Water Balance (Recharge – Use) (Mm<sup>3</sup>/a)
- Groundwater Stress (abstraction/recharge)
- Aquifer type and yield and water quality (EC) (1:500 000 geohydrological maps). If there are more than one aquifer type per Q – then the detail is provided (in % area) i.e. fractured aquifer 0.1 – 0.5 l/s (95%) / intergranular aquifer 5 – 10 l/s (5%)
- Groundwater Reserve (Determined - Y/N and Signed Off – Y/N)
- Present Class
- Degree of utilisation
- Proposed Class
- Is groundwater and surface water linked?