Corangamite CMA region

Key bore data has been selected across the North East Catchment Management Authority area as representative of groundwater levels, behaviour and trends.

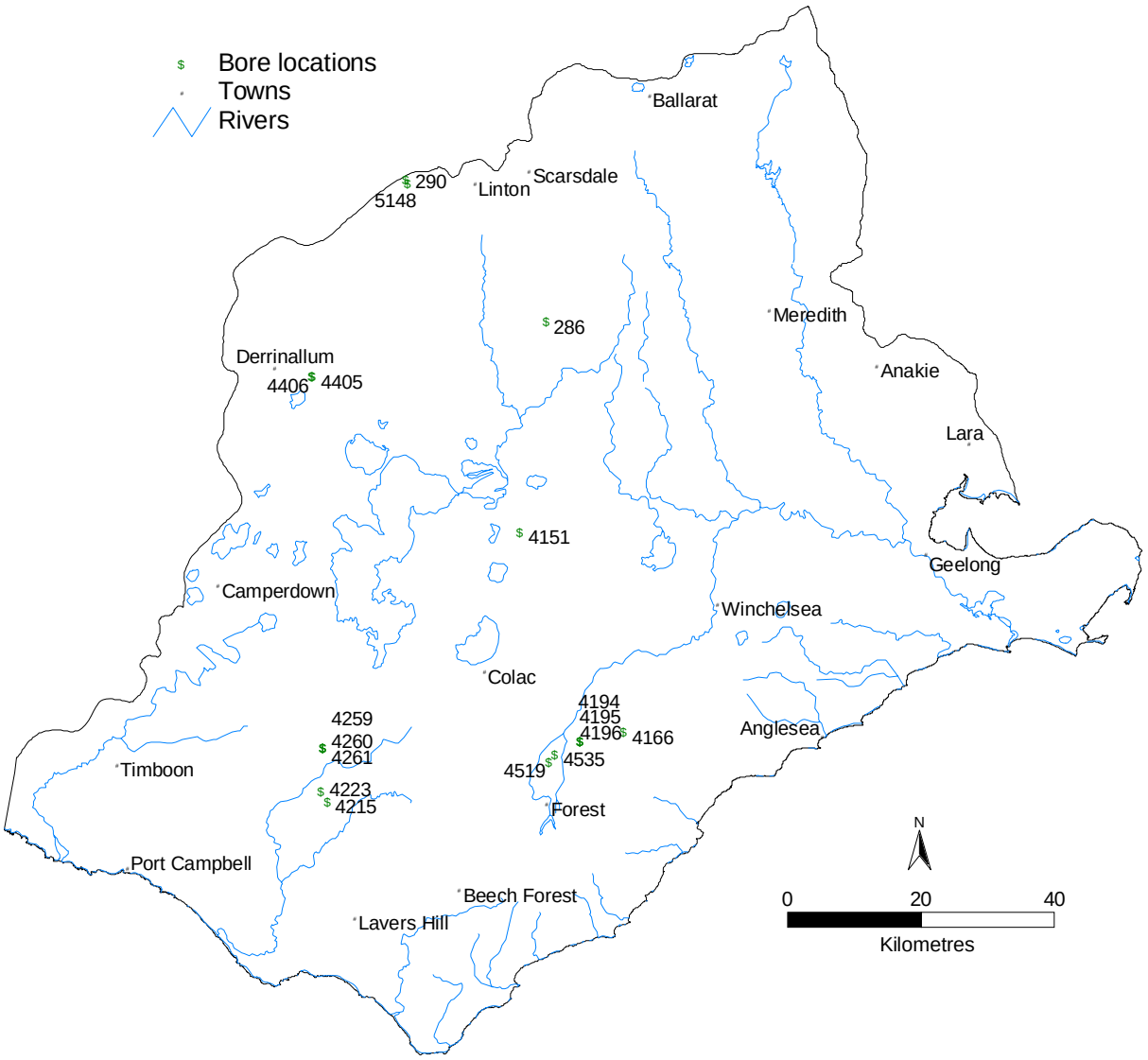


Figure 22 Map of key bore locations within the Corangamite CMA region.

Groundwater behaviour

Generally bores though out the Corangamite CMA area are showing downward groundwater trends with a few exceptions. Groundwater levels recorded in the upper landscape (bores 290 and 4519) have fallen to the lowest level since monitoring commenced in the 1980's. Bores (235 and 2503) in the lower landscape show a downward groundwater trend, particularly from the period 1996 to 2008. Groundwater behaviour in monitoring bores adjacent to discharge sites remains largely unchanged

Bore data

Table 5 Bore details

Bore Id	Total Depth	Screen Depth From	Screen Depth To	Landscape Position
290	34	25	27	Upper Slope
5148	17.3	nr	nr	nr
4406	18	nr	nr	Lower Slope
4405	5	nr	nr	Lower Slope
286	17	13	15	nr
4151	18	nr	nr	Mid-Slope
4259	20	18	nr	Creek Line
5260	16	13	15	nr
5261	5	2	4	nr
4223	20	nr	nr	Creek Line
4215	20	18	nr	Mid-Slope
4194	20	18	nr	Crest
4195	10	8	nr	Crest
4196	5	3	nr	Crest
4166	18	nr	nr	Crest
4535	17.65	18	20	Lower Slope
4519	19.95	18	20	Upper Slope

*nr = not recorded

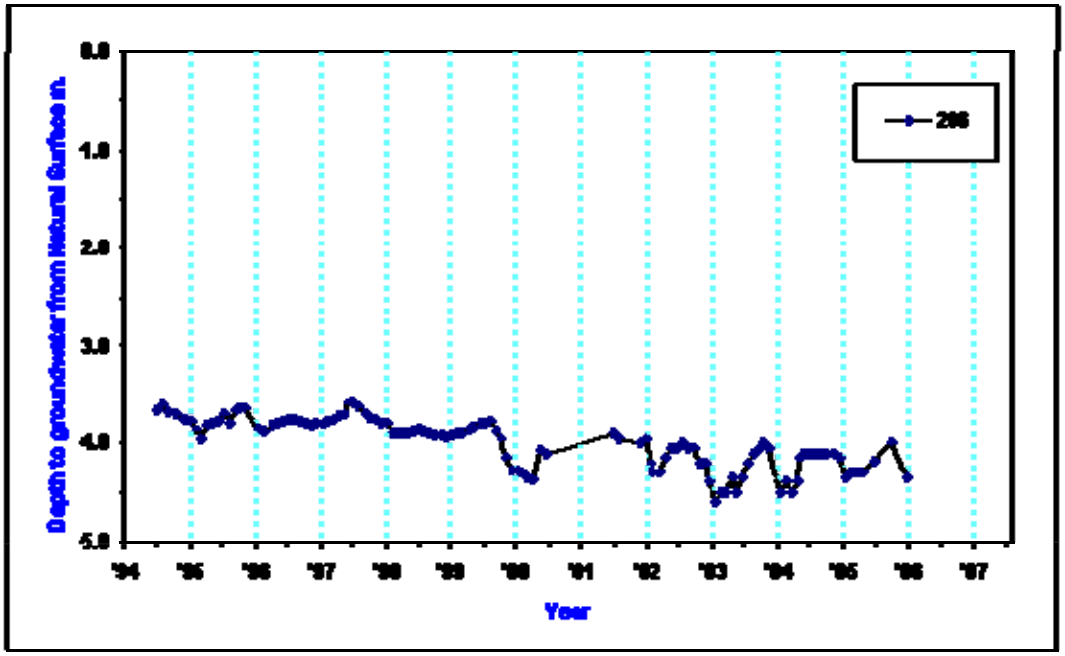
Figure 23 Bore 286

Figure 24 Bores 4194, 4195 and 4196, Colac

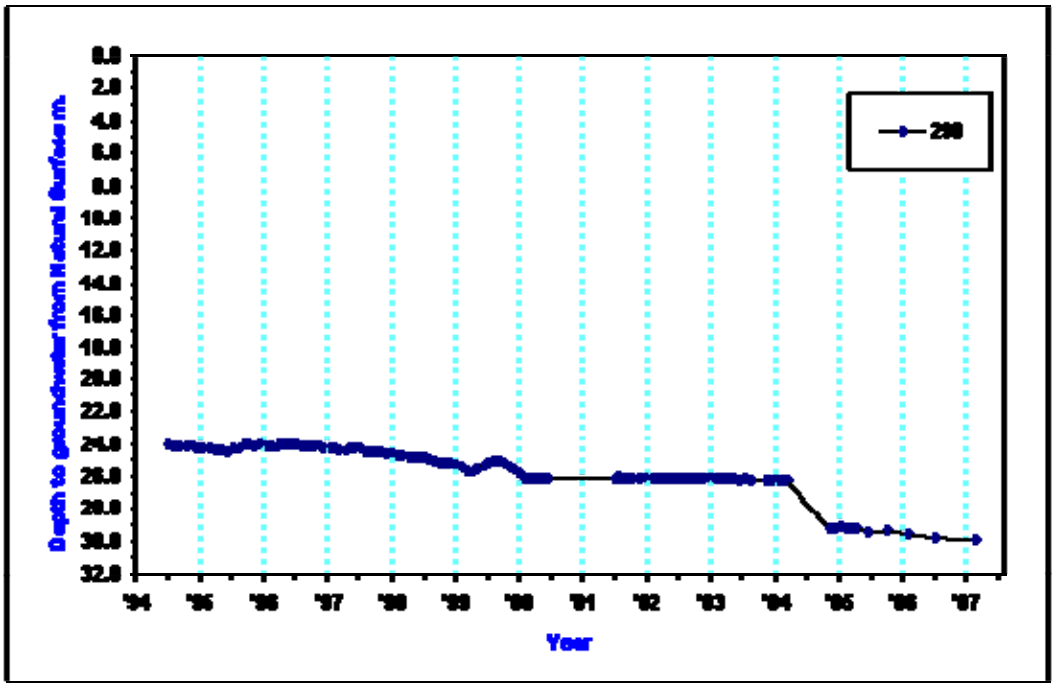
Figure 25 Bore 5148, Linton

Bore hydrographs

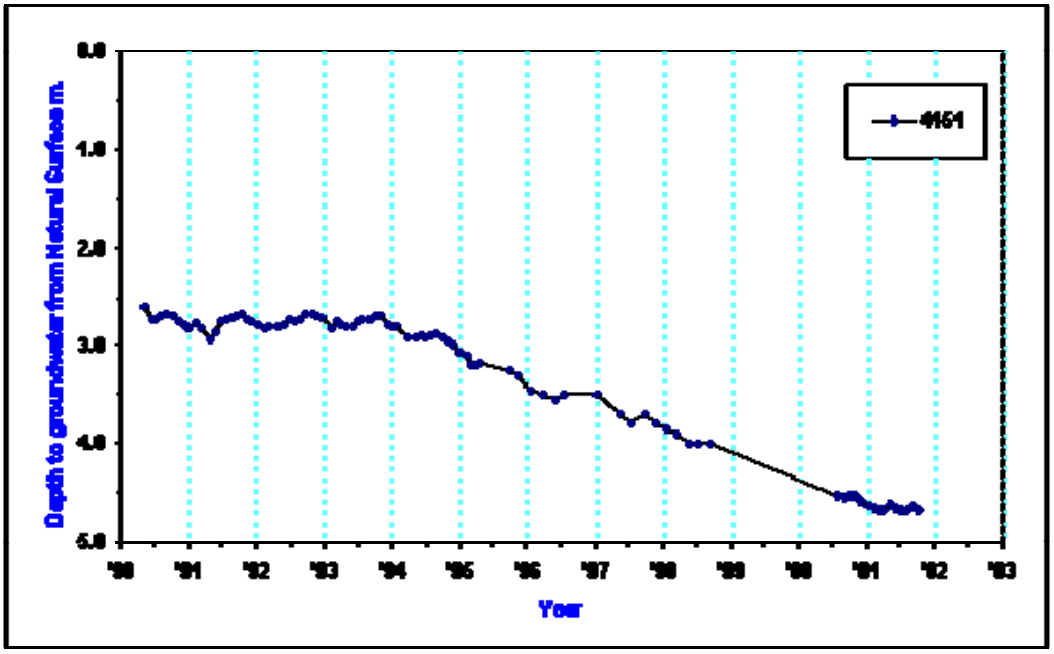
The hydrographs that are provided below are plots of the unedited depth to groundwater as measured in the key monitoring bores and plotted as depth below natural surface (ground level). A brief interpretation is provided of each hydrograph in an attempt explain the groundwater behaviour at the bore site.



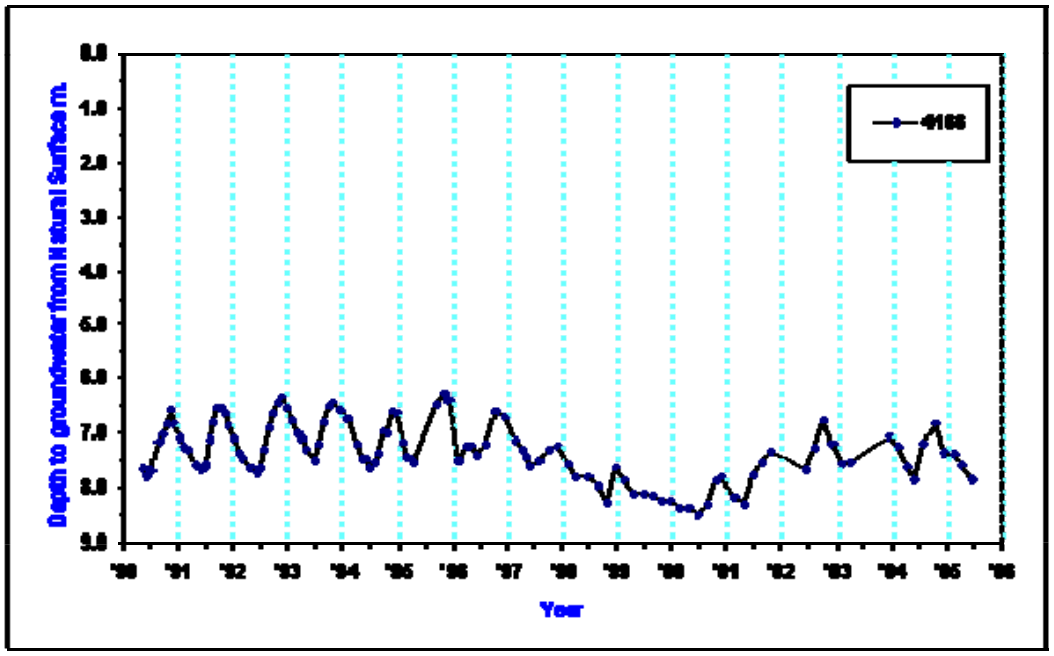
Bore 286, overall downward trend, some seasonal behaviour



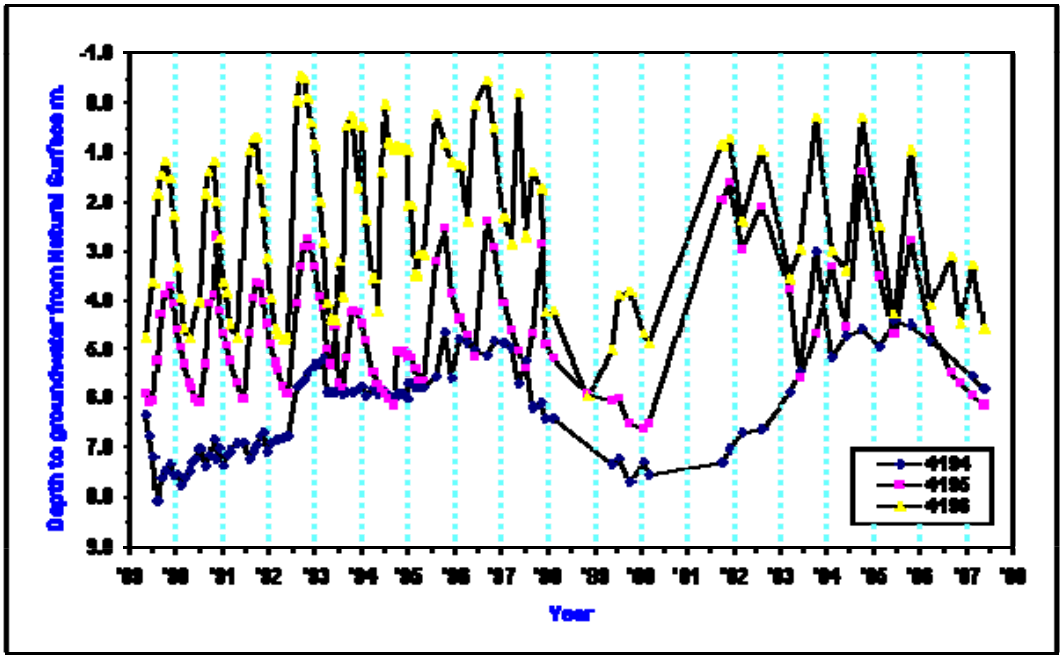
Bore 290, overall stable trend, subdued behaviour



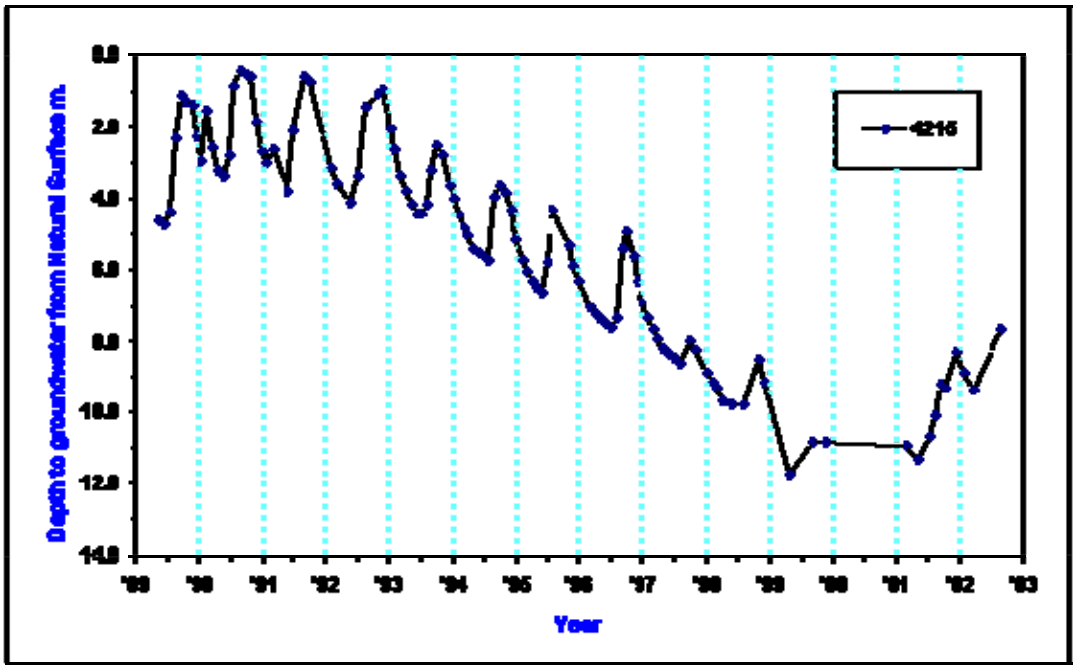
Bore 4151, overall downward trend, subdued behaviour



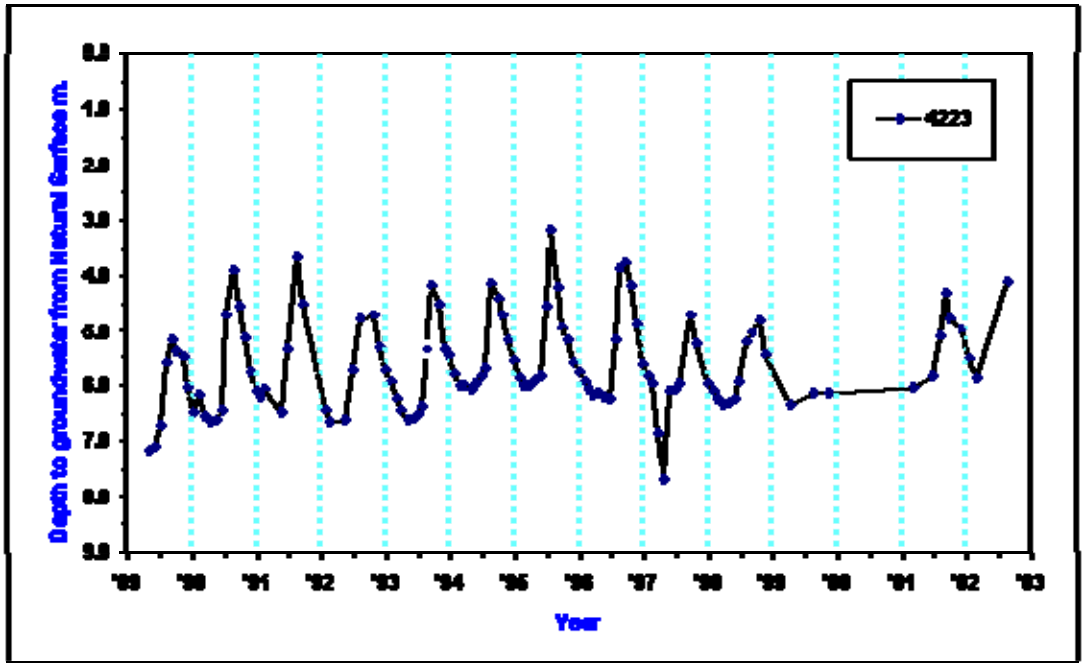
Bore 4166, overall stable trend, some seasonal behaviour during wet periods



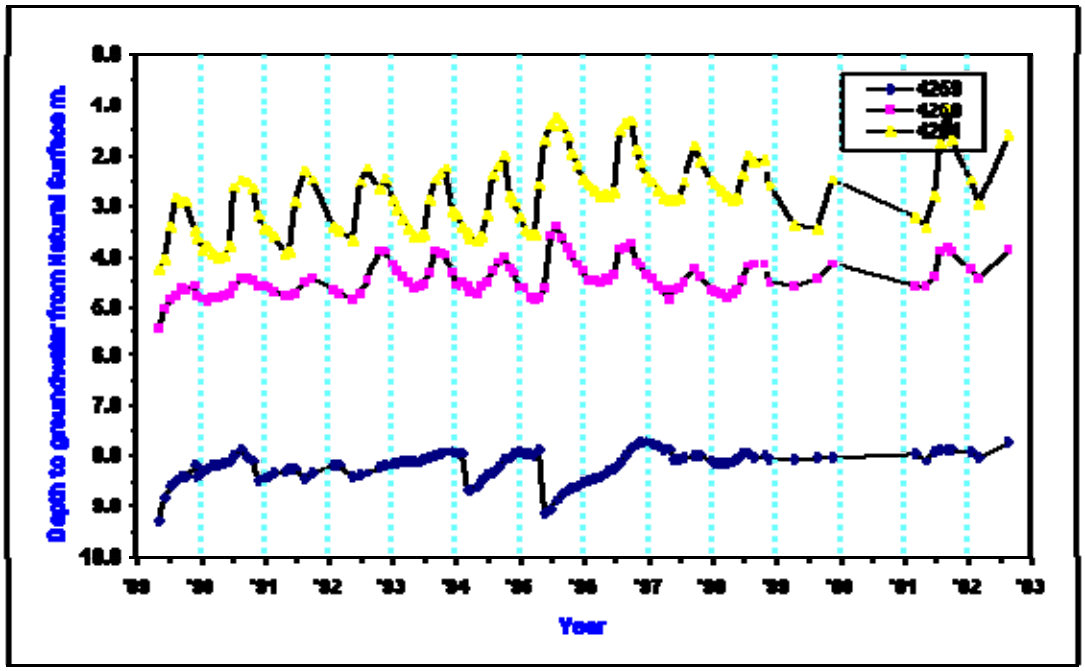
Bore 4194, 4195 and 4196, nested site with overall rising trend strong seasonal behaviour in shallow bores



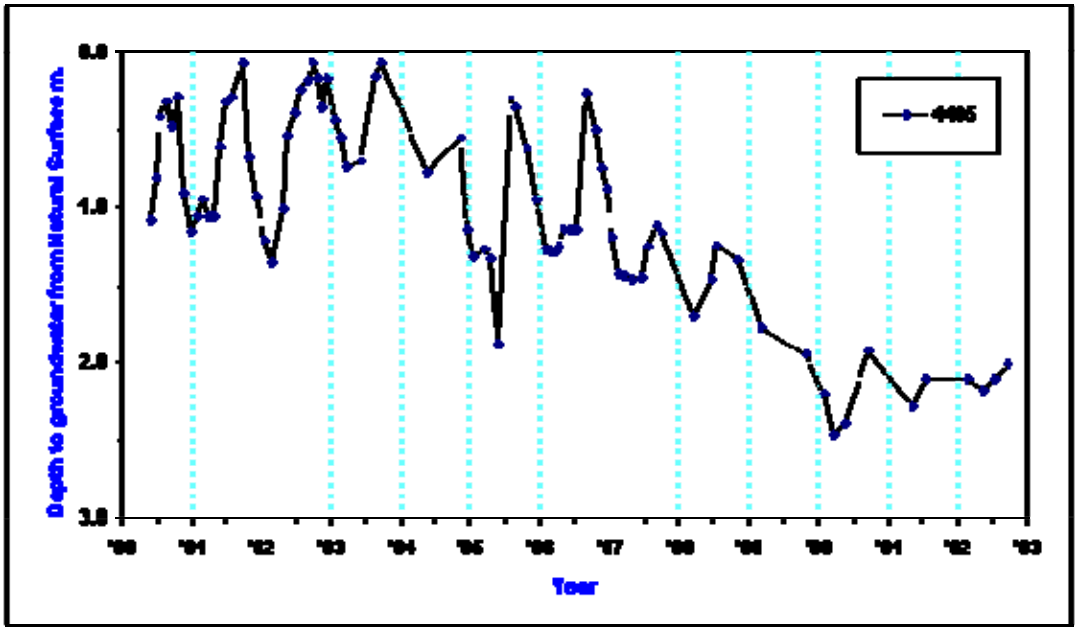
Bore 4215, overall downward trend, bore may need attention



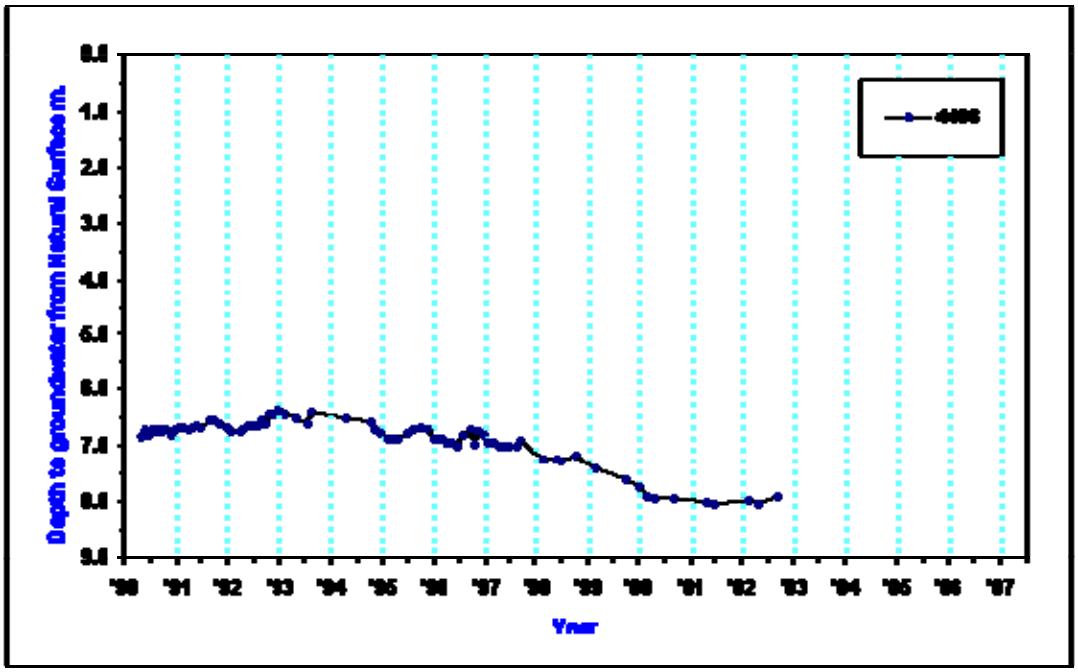
Bore 4223, overall rising trend, strong seasonal behaviour



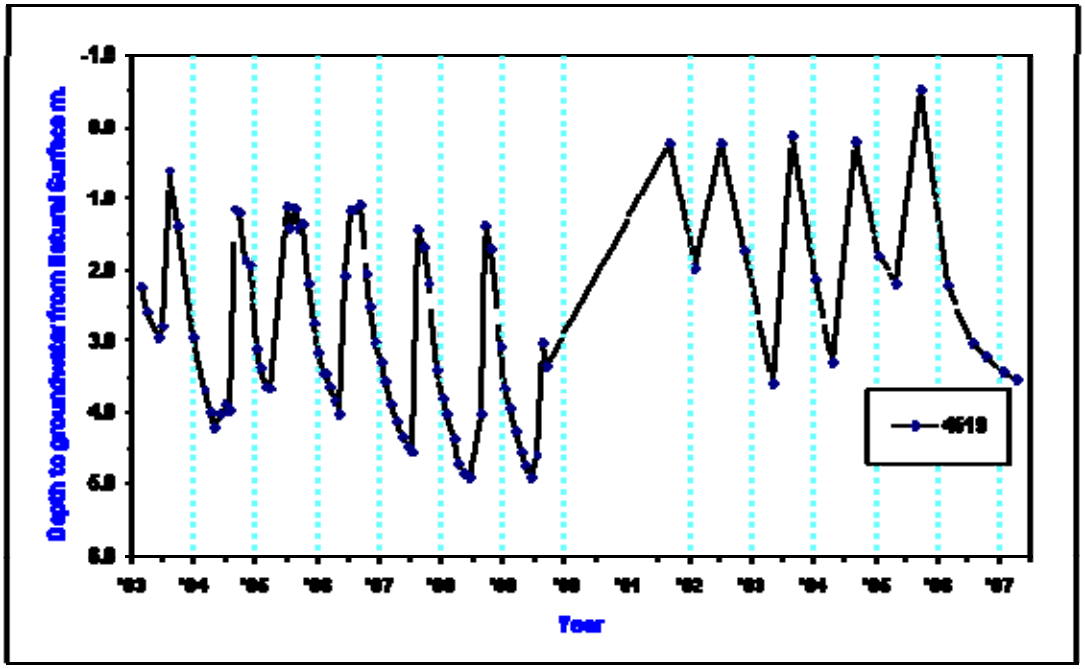
Bore 4259, 4260 and 4261 nested site with overall rising trend strong seasonal behaviour in shallow bores



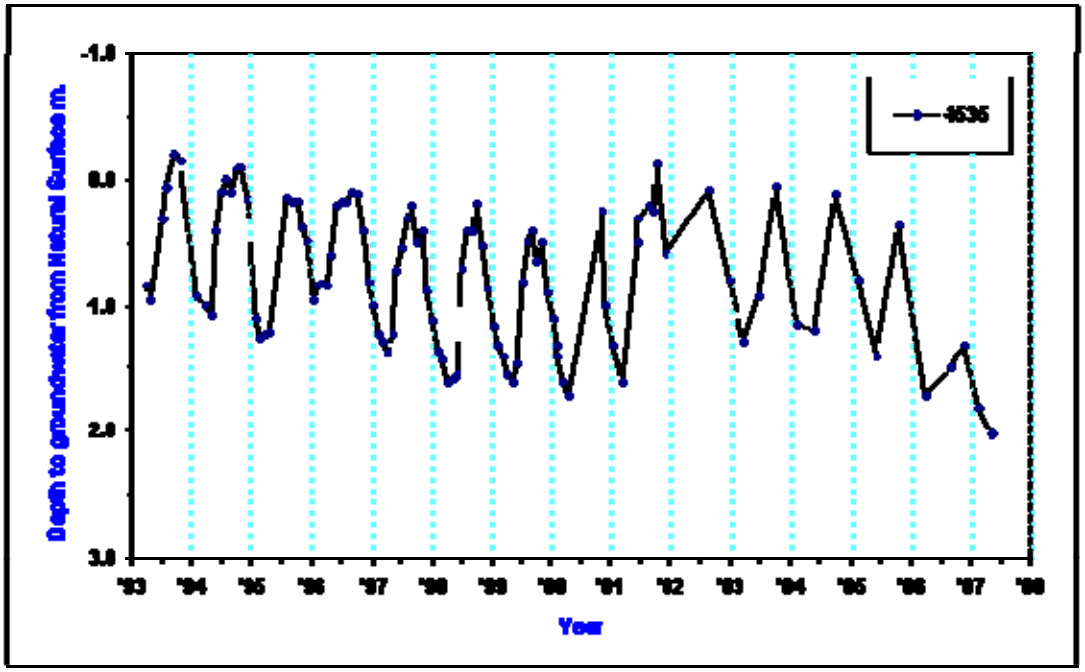
Bore 4405, overall downward trend, strong seasonal fluctuation before 1997



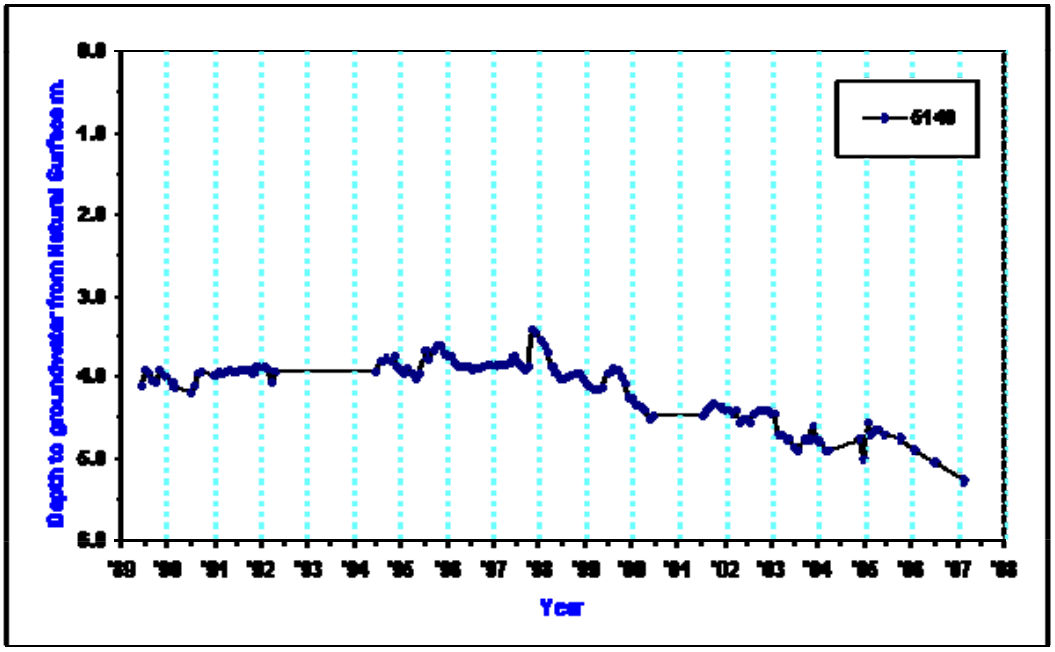
Bore 4406, overall downward trend, subdued behaviour. Monitoring discontinued after 2002.



Bore 4519, overall downward trend, strong seasonal fluctuation



Bore 4535, overall downward trend, strong seasonal fluctuation



Bore 5148, overall falling trend, subdued seasonal behaviour some wet year response