

## Appendix 2.

**Table A2.1.** Interpretation of political drivers in the Sand River Catchment over the last 100 years using the framework of GAC (Holling 2000, Gunderson and Holling 2002). Note that these interpretations are those of the authors which were reviewed by the specialist group and regarded as reasonable given (a) the clear development of generally recognized phases in the historical timeline (Appendix 3), and (b) the scale at which the interpretations were made. An evaluation of the GAC framework is given in the text.

<b>Time periods</b>	<b>Loop</b>	<b>Comment</b>
Circa 1890 - 1913	$\Omega$	<i><b>Omega phase of release</b></i> (“things fall apart”) with the prevailing livelihoods collapsing with the advent of the immigration of hunters and entrepreneurs.
1914 – 1935	$\alpha$	<i><b>Alpha phase</b></i> of new ideas being tested, namely labour recruitment plans, Native land Act, Black Reserves. Conditions favourable for permanent white settlement. The 1913 Land Act symbolized the formal initiation of the separate development philosophy which came to be the dominant one (of one competing idea over another).
1936 – 1947	R	<i><b>R phase</b></i> which is the beginning of the ‘conservation’ phase, ideas being consolidated.
1948 – 1988	K	<i><b>K phase consolidation</b></i> of power of the whites under the apartheid regime.
1988 – present	$\Omega$	<i><b>Omega phase – ‘crisis’ and re-organisation</b></i>