

## **Surface Water Resources Study: Terms of Reference**

The terms of reference applicable to the surface water specialist report includes the following:

1. Conduct a desktop study for the proposed site to identify surface water bodies including rivers and wetlands within the study area by examining existing national and provincial wetland databases, 1:50,000 topographical maps, and ortho / aerial photographs, if available.
2. Identify all surface water bodies within the study area.
3. Identify sensitive riparian areas where they occur.
4. Where wetlands occur on or near site alternatives identified on site only, delineation is to be performed (according to the DWAF proposed methodology for the delineation of wetlands) and classification of the wetlands into wetland hydro geomorphic types using the hydrogeomorphic method (as specified within Wet-Ecoservices) must be undertaken.
5. Identify very sensitive surface water areas, undertaking an analysis of whether surface water bodies would contain endangered species, or would have high ecological or hydrological functionality.
6. Identify potential impacts associated with the proposed development on nearby surface water resources.
7. Undertake a site visit to 'ground-truth' the findings of the desktop assessment and delineate surface water resources where relevant.
8. Compile a comprehensive surface water specialist report and stipulating the mitigation measures in the SiVEST report template (using the SiVEST template).