

A photograph of a body of water, likely a pond or lake, with reflections of trees and a blue sky. The water is calm, and the reflections are clear. The text "EWR site selection" is overlaid in the center of the image in a bold, black font with a white outline. The background is a mix of green and blue tones, representing the water and the sky respectively.

EWR site selection

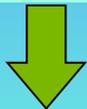
8-step Reserve process

1. INITIATE STUDY

Define study area
Select level and eco- system components
Select study team

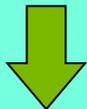


2. DEFINE RESOURCE UNITS & SELECT EWR SITES



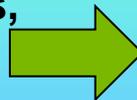
3. FIELD SURVEYS & ASSESSMENTS

Undertake specialist field surveys
Assess the present state and recommend future state



4. QUANTIFICATION

Quantify the EWRs and scenarios, including quality



5. ANALYSIS

Impacts of development scenarios
Ecological and socio-economic consequences



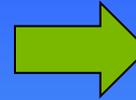
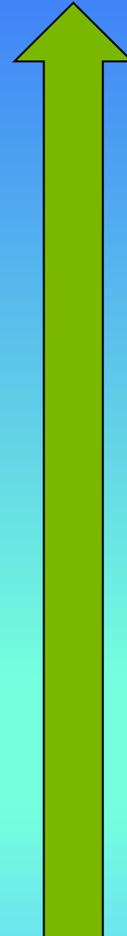
6. DWS MANAGEMENT CLASS Decision-making process



7. SELECT BEST DEVELOPMENT OPTION & DEVELOP A MONITORING PROGRAMME

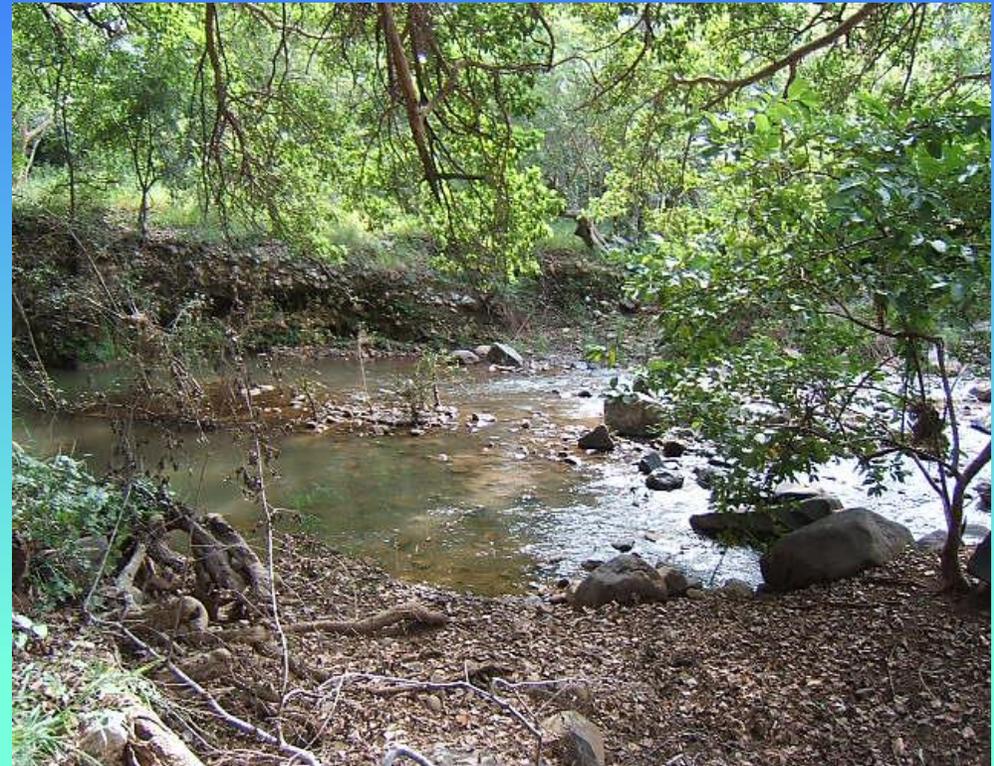


8. IMPLEMENTATION PLAN



Initiate study, define Resource Units and select EWR sites for rivers

- Define study area (Olifants)
- Level for study (rapid III)
- Study team
- Resource units, data gaps
- Initial EWR site selection using Google Earth and site inspection
- Final EWR site selection during site visit (~2 hours)



Step 1, 2

Site Selection

Considerations

- **What is the critical habitat within the system?**
- **Is the site representative of the system?**
- **Is the site suitable for sampling?**
- **Other considerations**



Detail process described in BBM Manual, 1999 RDM Methods

Site Selection

Considerations

- **Other considerations**
 - *Availability of historical data (e.g. RHP Site)*
 - *Suitability of the site for follow-up monitoring*
 - *Accessibility of the site*
 - *Safety (both high flows and theft)*
 - *Sites can be excellent ecological sites, but poor hydraulic sites or visa versa*

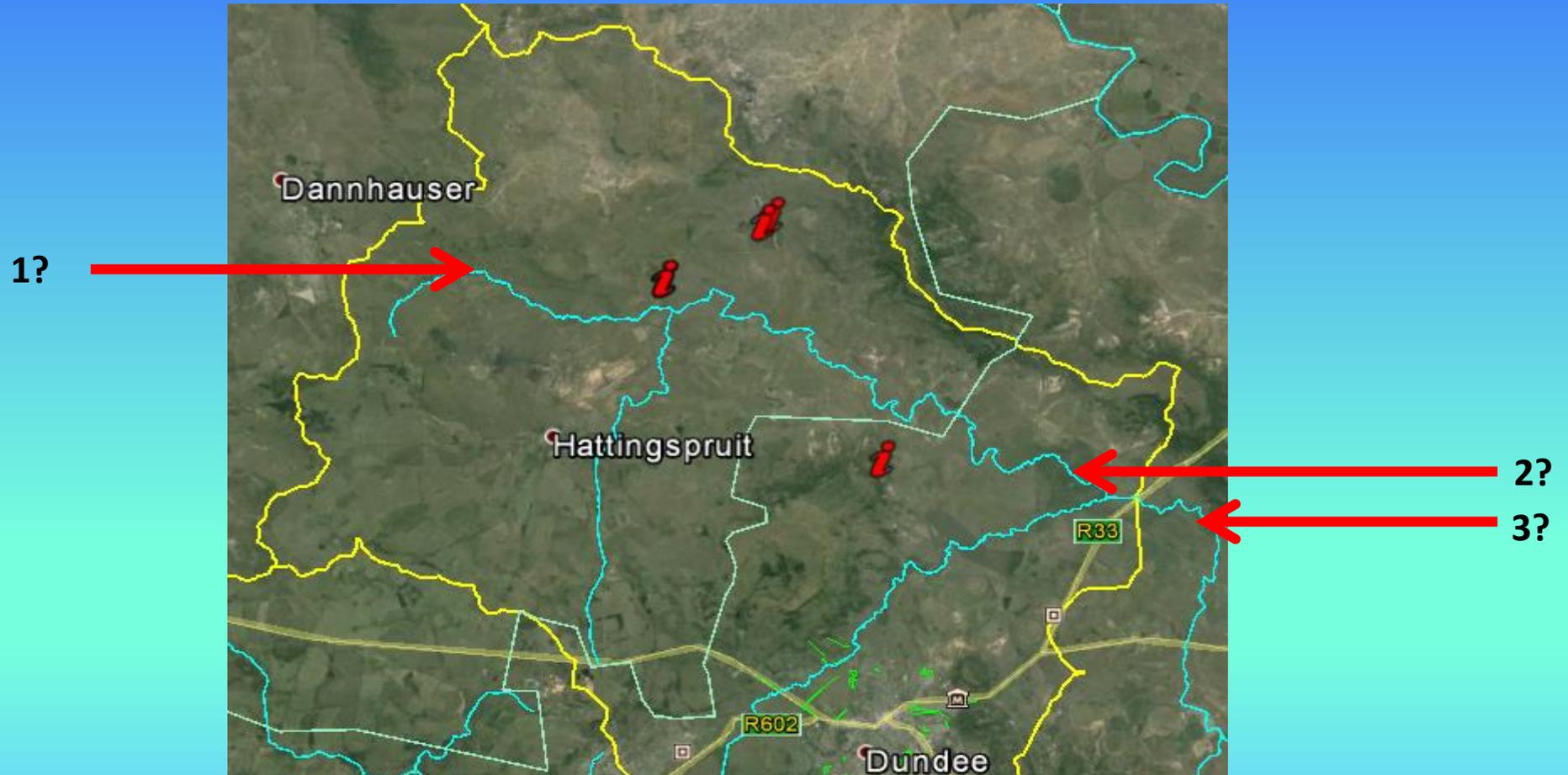
Site Selection

Considerations

- **Other considerations**
 - *Locality of the proposed developments*
 - *Locality and characteristics of tributaries*
 - *Community dependency on the river*
 - *Trade-offs and compromises*

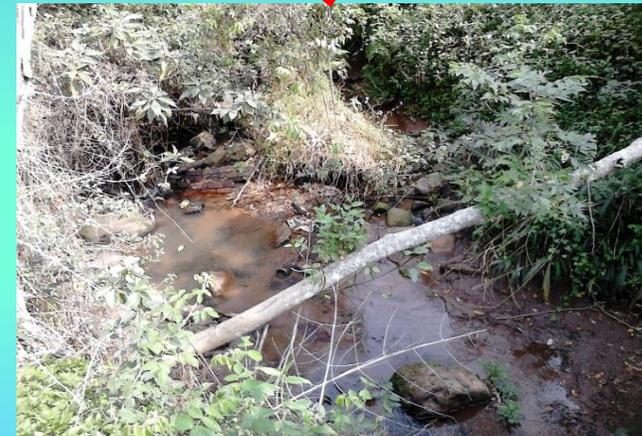
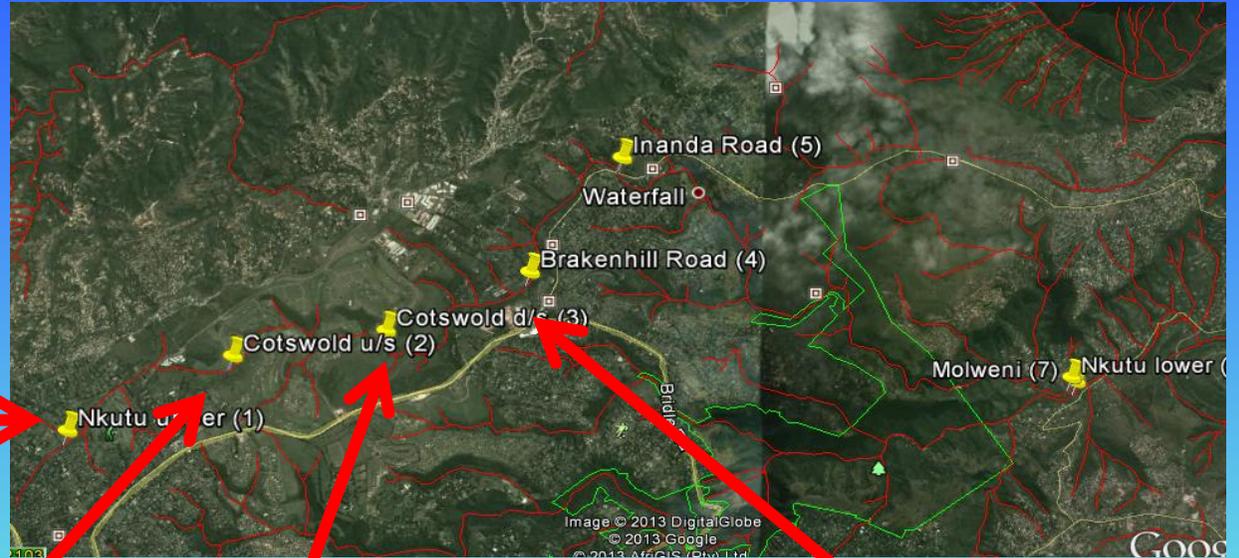
Site Selection

Potential sites



Site Selection

Potential sites



Site Selection

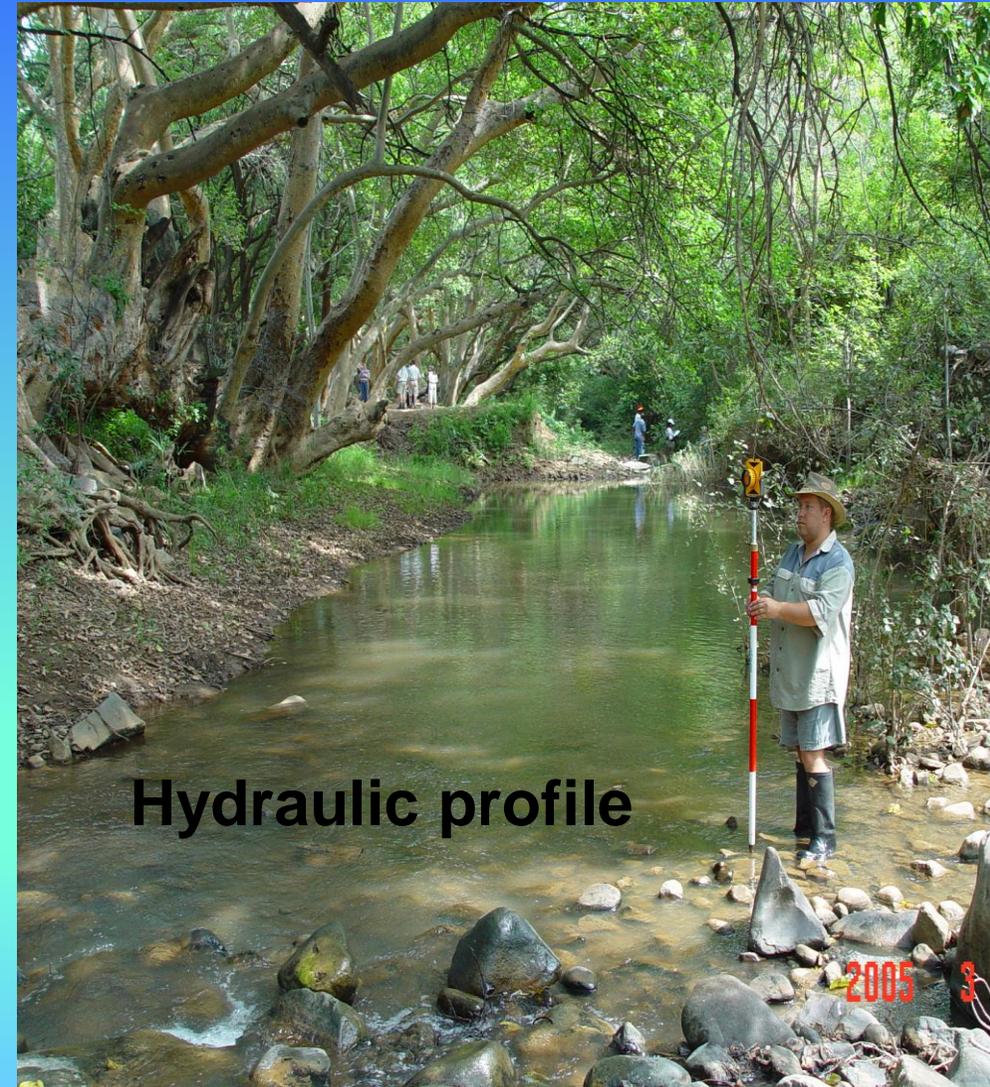
Habitats



Riffle, marginal
vegetation



Pool with riffle



Hydraulic profile