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Permanent Water Commission

The Republic of Namibia  
The Republic of South Africa



**Pre-Feasibility Study into  
Measures to improve the  
Management of the  
Lower Orange River and to  
provide for future developments  
along the Border  
between Namibia and South Africa**

**SPECIALIST REPORT ON THE  
DETERMINATION OF THE PRELIMINARY  
ECOLOGICAL RESERVE ON A RAPID LEVEL  
FOR ORANGE RIVER ESTUARY**

**FINAL**

**February 2005**

**Burmeister & Partners, Ninham Shand (Pty) Ltd,  
Windhoek Consulting Engineers and WRP (Pty) Ltd  
in association**

