

DEVELOPMENT OF A RECONCILIATION STRATEGY FOR THE OLIFANTS RIVER WATER SUPPLY SYSTEM

Progress Report for tabling at the SMT Meeting, scheduled for 21 July 2010

1. Narrative Description of Progress

1.1 Study Planning and Process Initiation

The Second Revision Inception Report was prepared after it became known that the Resource Classification task will not be part of this contract. The Inception Report was amended to reflect the original envisaged work for the updating of the Reserve. This revision also contained added provision for the planning work for the Reserve Classification, the study reconnaissance tour and the modeling scenarios.

1.2 Phase 2, Task 1: Summary of Current and Previous studies

The Summary Report was completed and the draft copies were sent to the Study Manager in DWA. Electronic copies were also sent out to the members of the SMT for comments. The comments received were incorporated in the report and the three copies of the final Summary Report have been delivered to DWA for sign-off.

1.3 Task 2: Preliminary Screening Workshop and Reconnaissance Study Tour

Two documents were prepared, i.e. a Starter Document for the Preliminary Screening Meeting and an Information Pack for the Study Reconnaissance Tour. Slides were also prepared for the Preliminary Screening Meeting. Preparations were done for the Dry Run of the Preliminary Screening Meeting on 1 July 2010. Furthermore, a brainstorming session was held on 9 June 2010 to identify all possible options.

Logistical arrangements for the Preliminary Screening Workshop were made, i.e. invitations sent out, telephonic and e-mail follow-ups, booking of the venue, lunch arrangements, entrance into the park, etc.

Logistical arrangements was also done for the Study Reconnaissance Tour, i.e. hiring of bus, accommodation reservations, invitations sent out, megaphone hire, guides for the site visits, etc.

The Reconnaissance Study Tour was conducted 5 & 6 July 2010, and the Preliminary Screening Workshop took place on the 7th of July 2010.

1.4 Task 3: Current and Future Water Requirements and Return Flows

A meeting was held with SRK on the All Towns Study and water requirement information was obtained.

Water balances were refined for the presentations at the Dry Run and Preliminary Screening Meeting as well as the water balance information in the Starter Document.

The Vaal Transfer options were investigated in detail and a projection of required transfers up to the year 2050 determined. This was required for the Vaal Reconciliation Strategy.

1.5 Task 4: Water Conservation and Demand Management.

Information was obtained and options were formulated and described for the purposes of the Preliminary Screening Workshop i.r.o. WCDM measures for the Irrigation, Domestic and Mining Water User Sectors.

1.6 Task 5: Opportunities for Water Re-use

The Emalahleni Water Reclamation Plant management was visited and the water re-use questionnaire was completed with their collaboration.

1.7 Task 6: Alien Invasive Plants

The Alien Invasive Plant option for the Starter Document for the Preliminary Screening Workshop was prepared.

1.8 Task 8: Water Quality

The water quality information for the Preliminary Screening Workshop was assembled and presentations were prepared.

1.9 Task 9: Reserve Requirement Scenarios and Scheme Yields

Work has commenced.

1.10 Task 10: Groundwater

Groundwater reports were reviewed to gain more information on the dolomite aquifer in the Babsfontein/Delmas area, sinkhole forming and the current water use from the aquifer. This information was incorporated in the Information Pack of the Study Reconnaissance Tour.

Further information was obtained on the Malmani aquifer and an option description was prepared for the Preliminary Screening Workshop.

1.11 Task 11: Review Schemes and Cost Estimates

Rough cost estimates and URVs were prepared for the options that were presented at the Preliminary Screening Workshop.

1.12 Tasks 12 – 15: Work has not yet commenced.

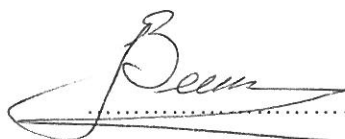
1.13. Task 16: Study Management

- Maps were updated and refined for the Preliminary Screening Workshop. Maps were printed for the purpose of the Preliminary Screening Workshop and were displayed at the meeting.
- Minutes of the SSC Meeting which was held on 5 May and the SMT Meeting on 27 May were finalized and distributed.
- The proposed Agenda for the SMT meeting to be held on 21 July was distributed on 13 July 2010.
- Account No. 6 was prepared and sent out on the 9th July 2010.
- Interactions between the DWA Study Manager and the PSP Study Leader has taken place.
- Meetings between the Study Leader and the Deputy Study Leader as well as the Task Leaders were held.

2. Deliverables

Ref.	Action	Target Completion Date	% Complete	Actual / New Completion Date
2.1	Draft Inception Report	31 March 2010	100	6 April 2010
2.2	First Revision Inception Report	20 May 2010	100	20 May 2010
2.3	Second Revision Inception Report	3 June 2010	100	3 June 2010
2.4	Dry Run for first SSC Meeting	28 April 2010	100	28 April 2010

Ref.	Action	Target Completion Date	% Complete	Actual / New Completion Date
2.5	GIS work and maps	30 April 2010	100	30 April 2010
2.6	First SSC Meeting	5 May 2010	100	5 May 2010
2.7	Draft Summary Report	31 May 2010	100	14 June 2010
2.8	Final Summary Report with comments of client incorporated	30 June 2010	100	16 July 2010
2.9	Dry Run Meeting for Preliminary Screening Workshop	1 July 2010	100	1 July 2010
2.10	Starter Document for Preliminary Screening Workshop	1 July 2010	100	1 July 2010
2.11	Reconnaissance Study Tour Information Pack	1 July 2010	100	1 July 2010
2.12	Reconnaissance Study Tour	5 & 6 July 2010	100	5 & 6 July 2010
2.13	Powerpoint Presentation for Preliminary Screening Workshop	1 July 2010	100	7 July 2010
2.14	Preliminary Screening Workshop	7 July 2010	100	7 July 2010



J. Beumer

Study Leader

19-7-2010

Date