




Feasibility Study for Foxwood Dam WP 10580

Stakeholder Forum Meeting 01 18 April 2013

 water affairs
Department of Water Affairs
REPUBLIC OF SOUTH AFRICA

Proposed Foxwood Dam WP 10580

Stakeholder Forum Meeting 01 Adelaide 18 April 2013

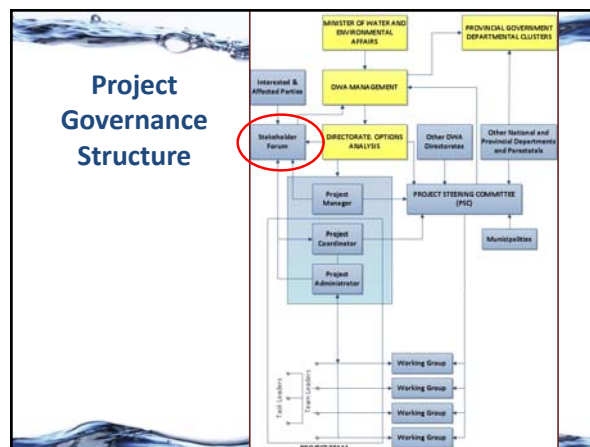
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Sanet van Jaarsveld
Production Engineer
Options Analysis (North)

Menard Mugumo
Chief Engineer
Options Analysis (South)

Welcome

- Introductions & apologies
- Approval of the Agenda

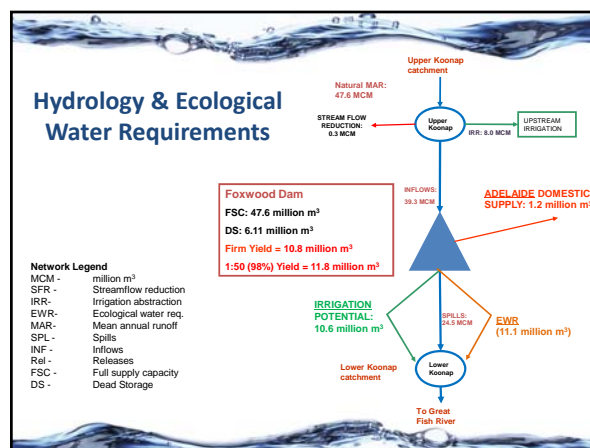
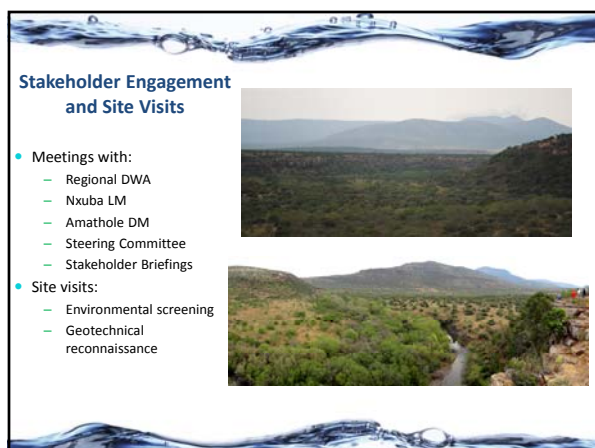
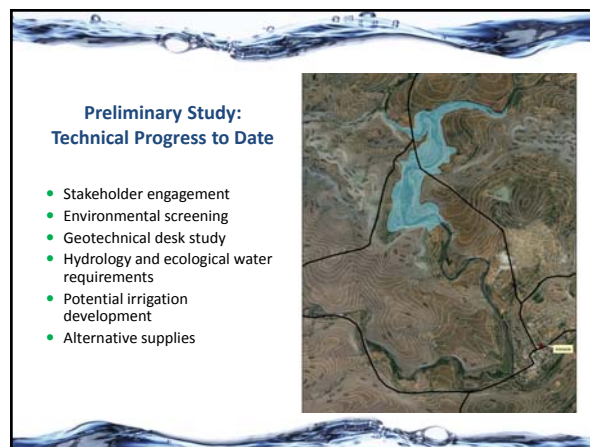
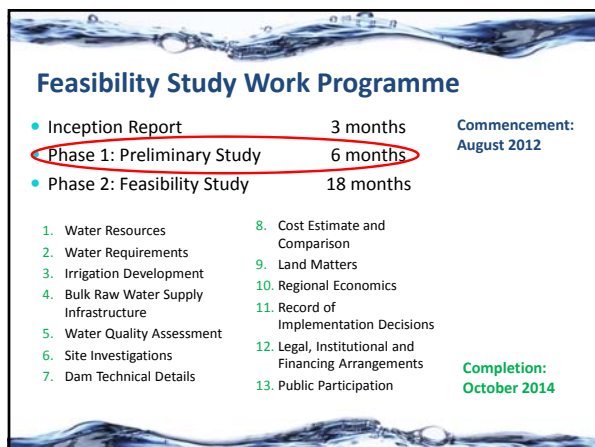
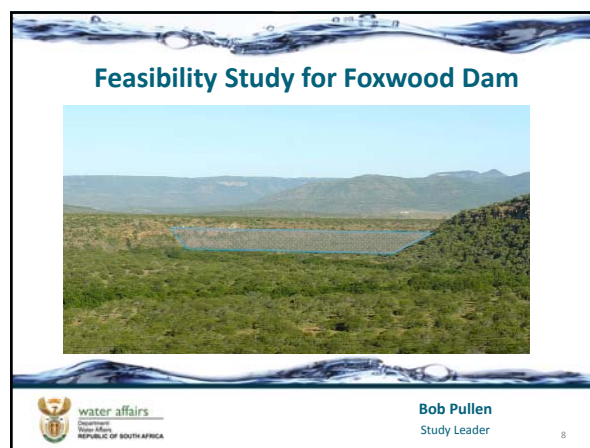
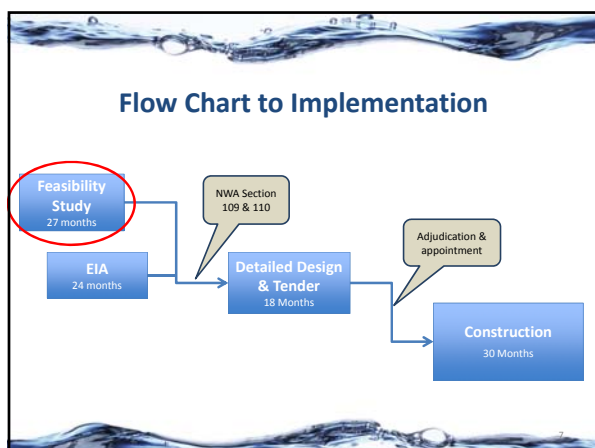
Stakeholder Forum

The objective of the forum is to:

- Explain the scope of the project
- Provide an opportunity to stakeholders to identify key issues that need to be addressed in the Feasibility Study
- Understand the issues being raised by other stakeholders.

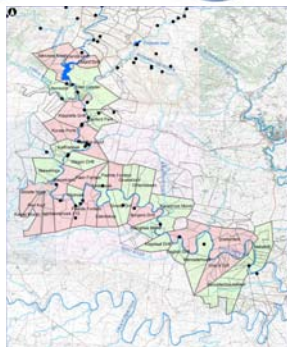
Background

- Adelaide has suffered from domestic water shortages in the past
- Evaluations of viability of a storage dam in the Koonap River
 - For domestic supply & possible new irrigation development
 - Re-evaluation from time to time
- Ministerial interaction with Nxuba Municipality
 - New Feasibility study
 - Current water needs, policy imperatives of Government (rural development, job creation, equity in access to water)
 - Affordability of possible large dam
- To provide information for strategic decision making



Potential Irrigation Development

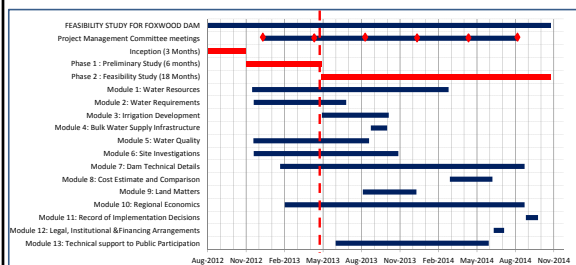
- Foxwood Dam irrigation water potential: $\pm 1\,300\text{ha}$ (800mm/a)
- Potential irrigable land downstream of Foxwood along Koonap : $\pm 3\,300\text{ha}$ (Provincial Agriculture report 1988)
- Estimate of actual irrigation (1988): $\pm 1\,250\text{ha}$
- Estimate of current irrigation (WARMS, 2012): $\pm 460\text{ha}$



Alternative Supplies for Adelaide

- A major new project will take significant time to develop
- Water security in Adelaide over this period must be addressed
- Present sources are not optimally used
 - Off-channel canal and storage dam
 - Fish River transfer
 - Groundwater sources
- Options for short term relief
 - Repair and upgrade diversion canal and storage
 - Repair and maintain Fish River scheme
 - Increase borehole supplies to full use
 - Significantly reduce unaccounted for water in the system

Programme



Response to Queries Raised by Stakeholders

1. Irrigation and Water Supply
 - How big will the dam be?
 - Impact of dam on farms?
 - How will water get to new irrigation?
 - Who is the Water Service Authority and Water Service Provider?
2. Environmental and Social Impacts
 - Groundwater
 - Job opportunities and skills training
 - Improve livelihoods
 - Types of agriculture

Response to Queries Raised by Stakeholders

3. Capital Funding and Compensation
 - Government support
 - Compensation for losses
4. Time Frame
 - Phasing
 - Decision-making
 - Design period
5. Opportunities
 - Hydro-electric power
 - Improve livelihoods
 - Government policy priorities

Response to Queries Raised by Stakeholders

6. Previous Studies
7. Strategic Decision-making
 - Multi-purpose project
 - Size of development

Further queries and clarifications

Summary & Way Forward



Date of next Stakeholder Forum meeting: late 2013 / early 2014

Thank you

