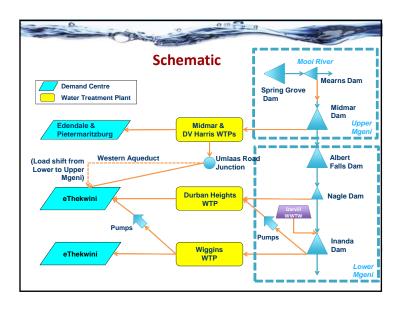
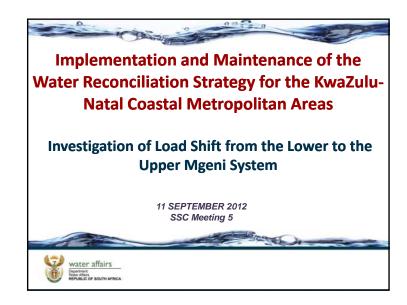
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- Western Aqueduct was investigated by the study
- > The results showed:
 - · Unacceptable risks of failures are experienced in the Upper Mgeni River System
 - The load shift causes an imbalance between the Upper and Lower Mgeni River System
- > Some volume of water (less than the requirements) could however be supplied from the Upper Mgeni to the Western Aqueduct without experiencing failures

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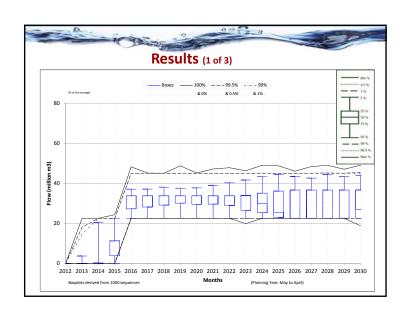
- > The volume that could be supplied from the Upper Mgeni to the Western Aqueduct will change over time (growth in demands in the Upper Mgeni System, starting storage conditions, etc.)
- > Umgeni Water commissioned study: Development of an Allocation Tool for the Short-Term Operating of Load Shift from the Lower to the Upper Mgeni River System

Criteria

- > Analysis conducted using the WRPM
- > WRPM configured to represent current conditions
- > The allowable draw down risk/probability of Midmar Dam was considered for the following levels (99.5% assurance of supply criteria):
 - 1. Midmar Dam drawn down to the lowest level without failing
 - 2. Midmar Dam drawn down to a level where sufficient storage remains to supply the Upper Mgeni demand centres for 3 months
 - 3. Midmar Dam is drawn down to a level where sufficient storage remains to supply the Upper Mgeni demand centres for 6 months

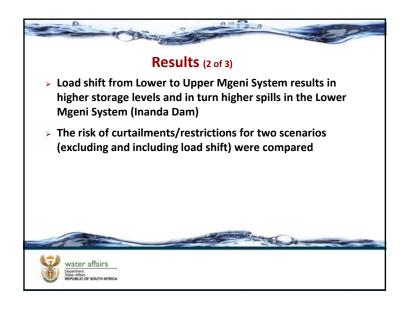
Criteria

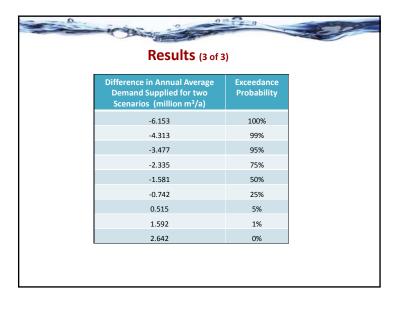
- > Analysis conducted using the WRPM
- > WRPM configured to represent current conditions i.e.
- > The allowable draw down risk/probability of Midmar Dam was considered for the following levels (99.5% assurance of supply criteria):
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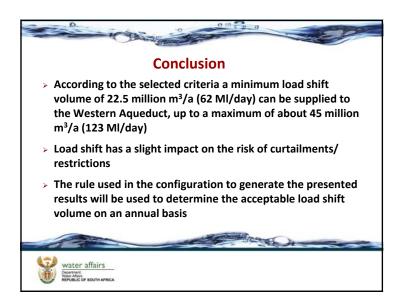


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