

Update on SAPEM

Kim Jenkins

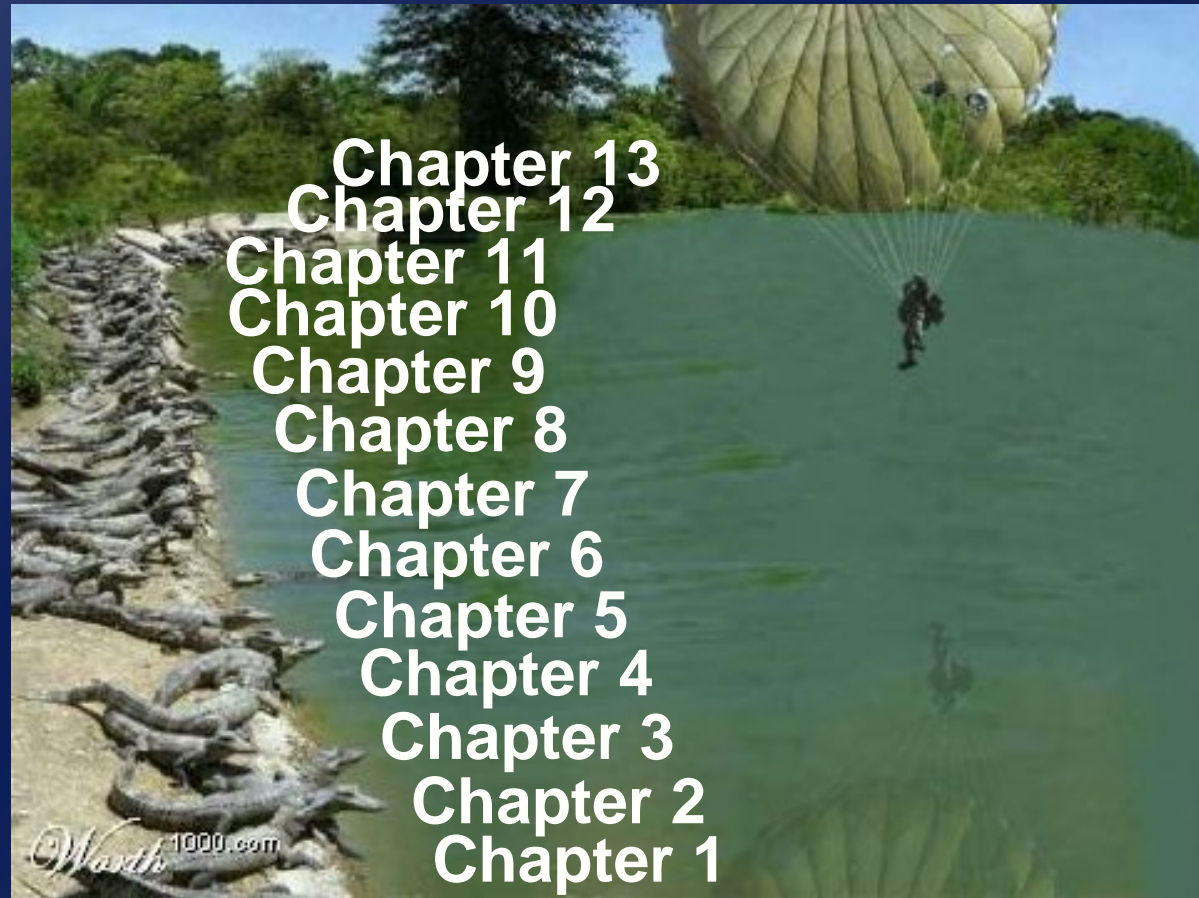
Road Pavements Forum
11 November 2006

SAPDM ≠



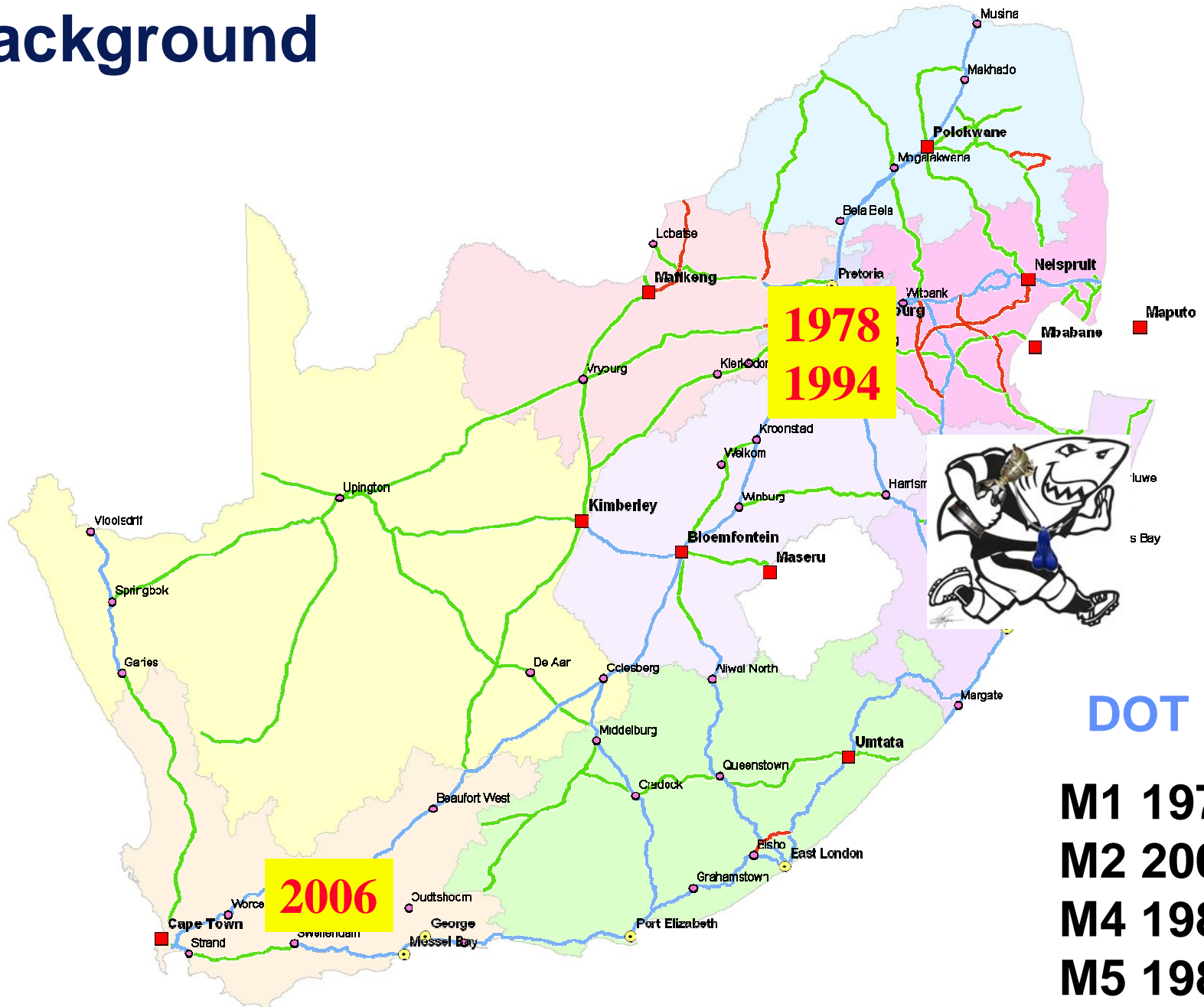
Refer RPF March 2007 – L Kannemeyer

SAPEM =



Not one big **IMAGINARY** monster but...
lots of little **REAL** ones

Background





Synergy.~?



Consensus

- **Objectives:** Develop **BEST PRACTICE GUIDE** for selection of most appropriate standards and specs (roadmap to pavement eng projects)
- **Target audience:** Young inexperienced engrs through to older practitioners
- **Scope:** Cater for needs at all tiers of gov. **UNIFIED GUIDELINE**. Pitched at National level with caveats for Provinces etc



Key aspects

- Not just a materials manual but a “**sequence of process**” for pavement engineering practice
- Not all encompassing contents but “**all referencing**”
- **Logical process**: applicable docs, material investigation, testing, designs & documentation
- Balance between prescription and self-interpretation

CHAPTERS (1)

1. Contents and Structure

2. Pavement Composition and Behaviour

**Kim
Jenkins**

Bituminous = asphalt, spray seals and BSMs (Piet Myb et al)

Cementitious = Bryan Perrie, Pieter Strauss et al (conc etc)

Other materials = non-trad stab, industrial waste, recycled

Standards = pertinent refs. Tests = QC and design classif

New rds (CL soil survey) and Rehab (pavement) investig

Structures, cuts, fills, subgrades ition, EICRs etc)

CHAPTERS (2)

7. Material Sources

Dave
Castro

8. Laboratory Management

Chapter 7: Quarries, borrow pits, commercial sources
Investigation, operation, management, closure

Chapter 8: Laboratory Management (Design & Control)

Road bed, road prism (embankments)

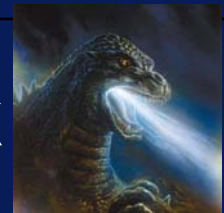
Pavement layers – gravel, crushed materials, cement or

Pavement design process and methods

Design traffic

Design of New Pavements and Rehab

LINK



Quality assurance

Quality management – basic concepts

CHAPTERS (3)

13. Acceptance Control

Dennis
Rossmann

Road bed, road prism (embankments)
Pavement layers – gravel, crushed materials, cement or
Bitumen stabilised, asphalt, seals, concrete
Proprietary products



Some chapters are a bit tricky

Sequence of Events



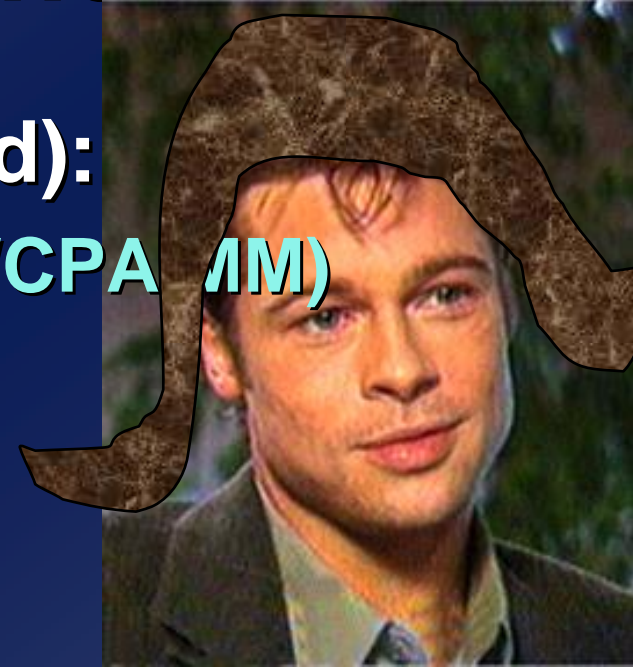
Commence July 2008



**Behind the
scene,
hidden
~~activities~~
surprises**

Behind the scenes

- **Secretariat (Ninham Shand):**
 - Framework for chapters (WCPA MM)
 - Styling and formating
 - Collating/editing etc
- **Financing**
 - SANRAL sole sponsor
 - Provinces, C&CI etc “sweat equity”
 - Consultants get paid
 - C&CI payment conduit



We hope to empower
EVERYONE!!

