Water Eco-Security 2015

Experience Sharing Workshop

CITY OF SYDNEY

Sydney2030 Green Global Connected

Resilience – Learning from Recent Disasters in Australian Cities

city of villages

AMIT CHANAN

If the 1980s and 1990s were the decades of the *"sustainable development"**, the new century has brought with it a notion of climate risks and fear of disasters. …* *"Resilience"* *now seem to offer the promise of hope that* *"sustainable development"*
once did…

Karen Sudmeier-Rieux (2014)

University of Lausanne, Switzerland

Society

Economy

Sustainable Development

Environment

Source: http://elearningexperts.files.wordpress.com/2012/07/canstockphoto1176221.jpg

Resilience

- Is not be confused with disaster response.

- *Is the ability to* **"bounce forward"** *following a disaster, which could also be described as* **positive transformation** *of a community, organisation or system.*

<div align="right">

Manyena et al (2011)

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THE
Daily Telegraph

SYDNEY, Thursday, July 30, 1998   Weather: Dry, 14 degrees   www.news.com.au   80 cents*   F

JACQUELINE LEE LEWES
**Sydney's best TV gossip**
7-DAY PROGRAM GUIDE

COWBOYS
Photo today
NRL COLLECTOR'S ALBUM – SPECIAL OFFER PAGE 2

WATER ALERT

1.5m told: Don't drink from taps

AREA AFFECTED BY POLLUTED WATER
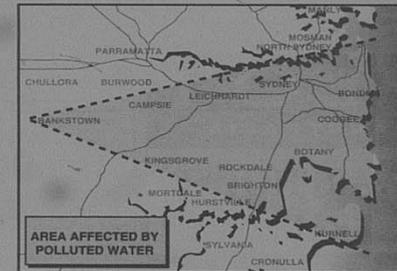
By ALISTER McMILLAN

UP TO 1.5 million residents across a large area of Sydney were today warned not to drink tap water following the discovery of two parasites in the city's supply.

Hundreds of Sydneysiders rang a hotline today after the Health Department extended the affected area to a total of 157 suburbs.

The health alert urging people to boil their water has been extended to a triangular area stretching east of Bankstown and Silverwater, south of the Harbour and all areas north of the Georges River.

Suburbs now affected in southern Sydney include Rockdale, Kogarah, Hurstville and Mascot.

The health alert also encompasses residents in the western and south-western suburbs of Strathfield, Bankstown, Canterbury, Burwood and Concord.

Sydney Water advised people to boil tap water for one minute and allow it to cool before drinking.

Hot tap water is suitable for bathing and washing kitchenware, but Sydney Water advises against rinsing in cold water.

A special warning also has been
Continued Page 2

Health scare . . . restaurant worker Helen Takchi pours a drink of bottled water in Surry Hills today

AFTERNOON EDITION

Phone 9288 3000   Business: P53; Comics: P56; Crosswords: P65; Lottery (6618); P66; Television: P37; Weather: P28   **Tele**Classifieds 9288 2000

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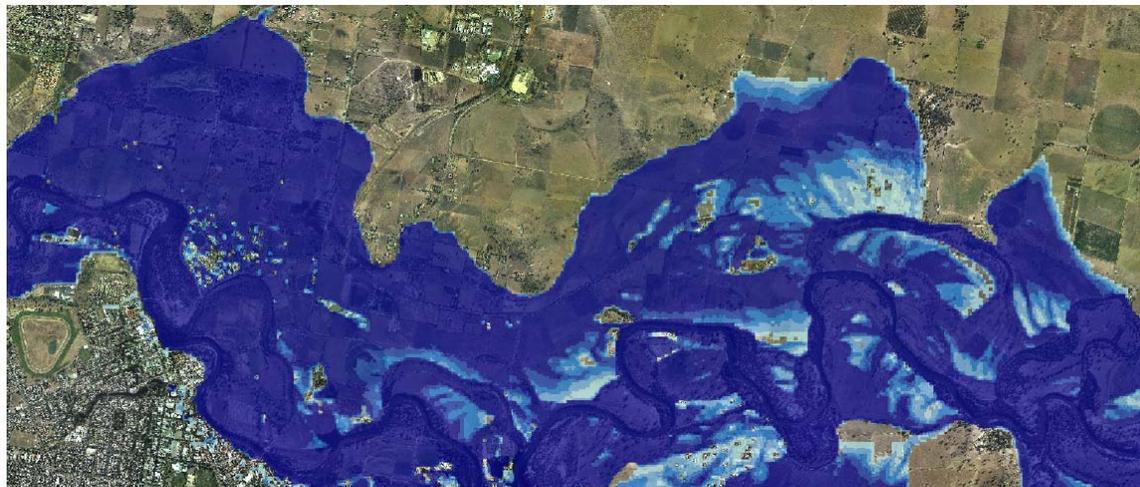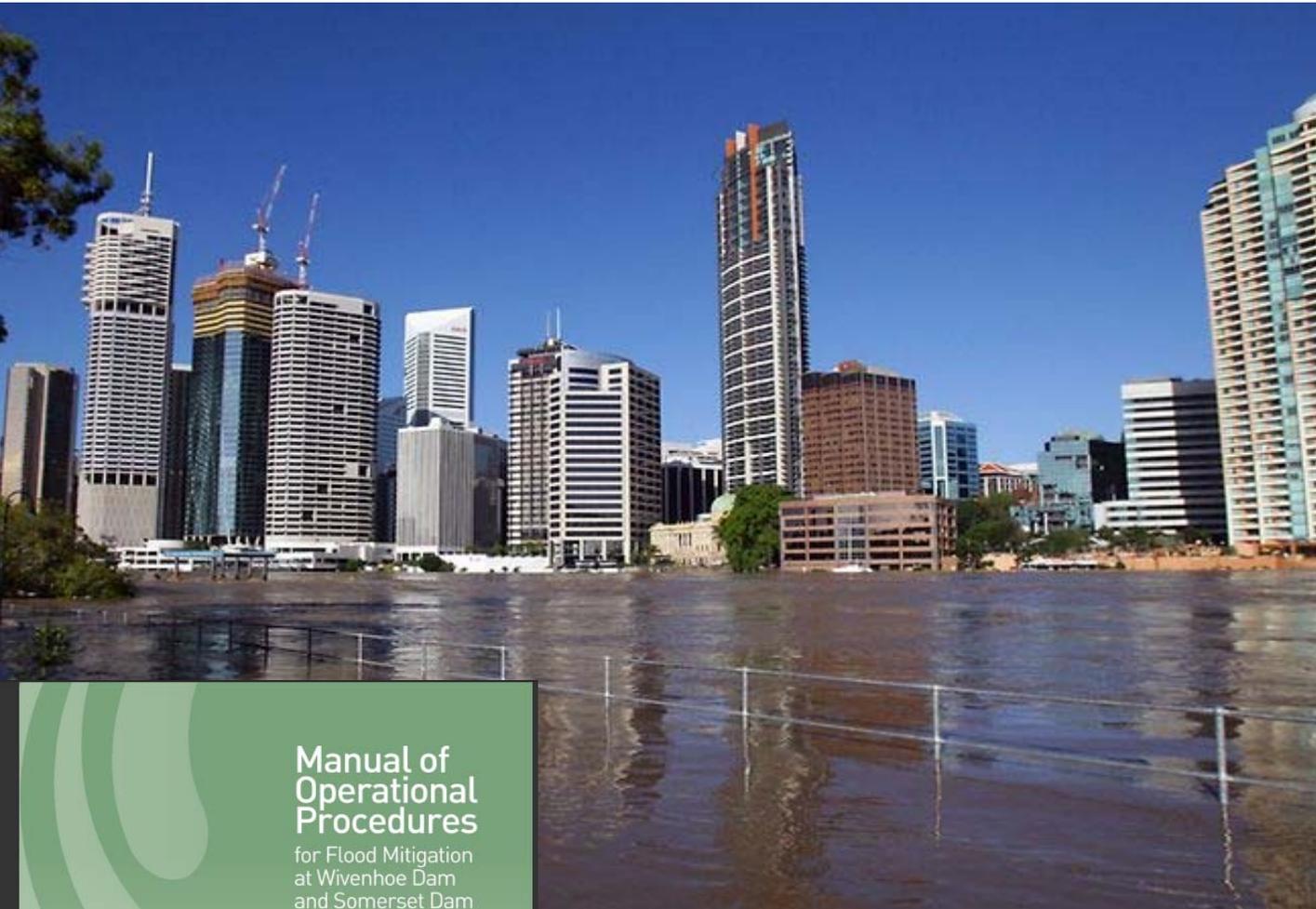
Manual of
Operational
Procedures

for Flood Mitigation
at Wivenhoe Dam
and Somerset Dam

Uncontrolled Copy
Revision 11
November 2013

seqwater
WATER FOR LIFE

Resilience Indicators

Leadership

Staff Engagement | **Leadership & Culture** | **Situation Awareness**

Decision Making | **Innovation & Creativity**

Resilience
The ability to survive a crisis and thrive in a world of uncertainty

Effective Partnerships | **Stress Testing Plans**

Internal Resources | **Networks** | **Change Ready** | **Proactive Posture**

Leveraging Knowledge | **Breaking Silos** | **Unity of Purpose** | **Planning Strategies**

- Underlying resilience issues often relate more to the **softer, less tangible aspects of an organisation**, such as its culture, leadership and vision. For example, qualities fundamental to enabling different parts of the organisation to work together to achieve a common objective include:
  – good communication;
  – **relationships within the organisation**;
  – relationships with key customers and stakeholders;
  – trust;
  – a shared vision and priorities across the organisation.

Relationships

Complex:
- **Strategic Leadership**
- **Networks and Relationships**
- **Innovation**

Complicated:
- **Incident Response Plan**
- **Incident Management Team**
- **Adaptive Thinking**
- **ECC**

Routine:
-**Tasks**
- **SOPs**
- **Plans**
- **BCP**

Complexity

High

Decision Stakes

Low

Uncertainty

High

State Water Incident Management Framework   Figure 4   Page 6   After Funtowicz and Ravetz
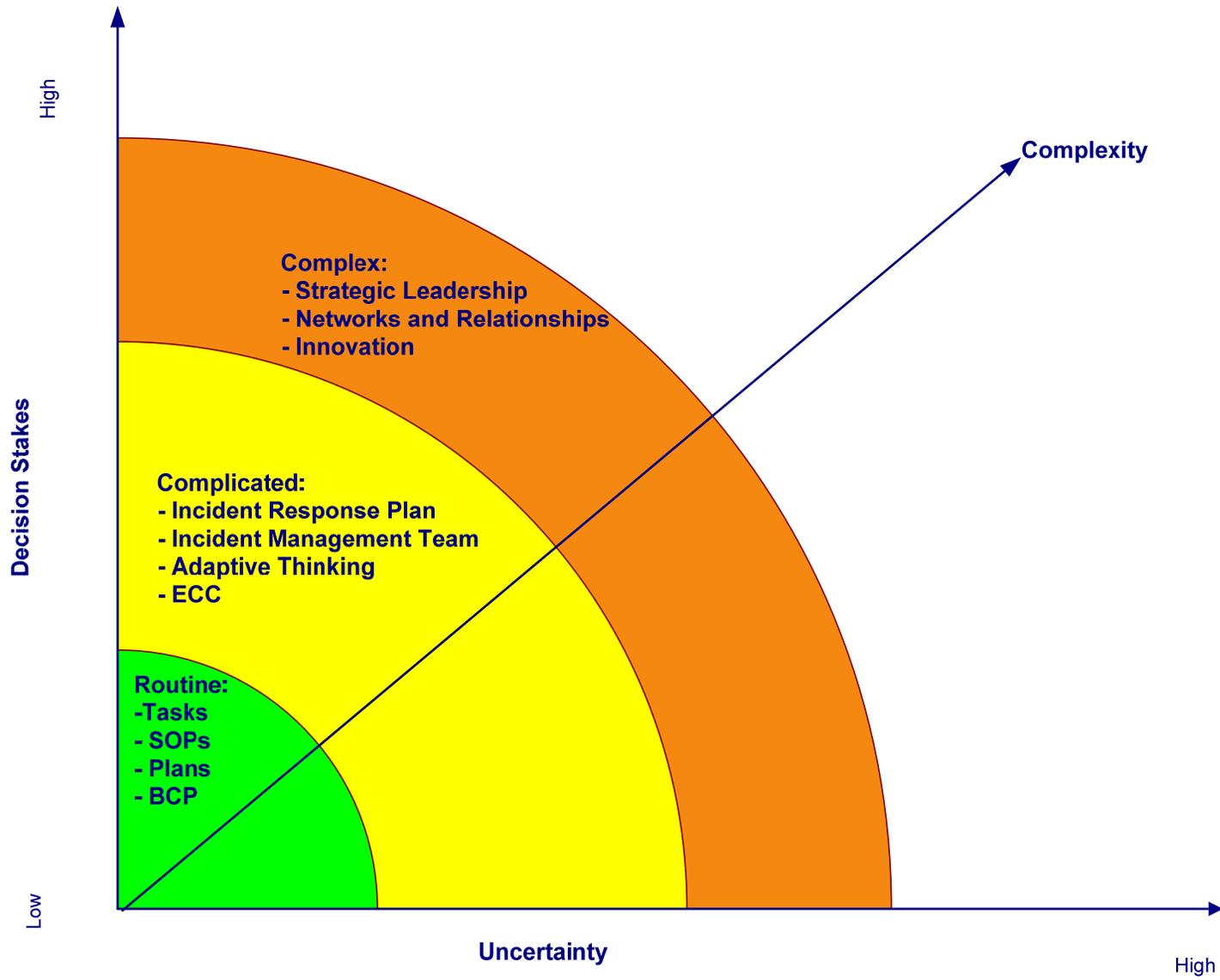
W-SMART

- W-SMART is strong platform with willingness to share.
    - Nuclear Industry provides one of the best disaster knowledge sharing platform using multimedia channels
    - Create Web-based sharing tools, knowledge and pool of expertise/resources
    - Changing profile of water industry operators would make this a critical necessity

References

- Erica Seville, David Brunsdon, Andre Dantas, Jason Le Masurier, Suzanne Wilkinson and John Vargo (2007). Organisational resilience: Researching the reality of New Zealand organisations. *Journal of Business Continuity & Emergency Planning,* Volume 2, Number 3.
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