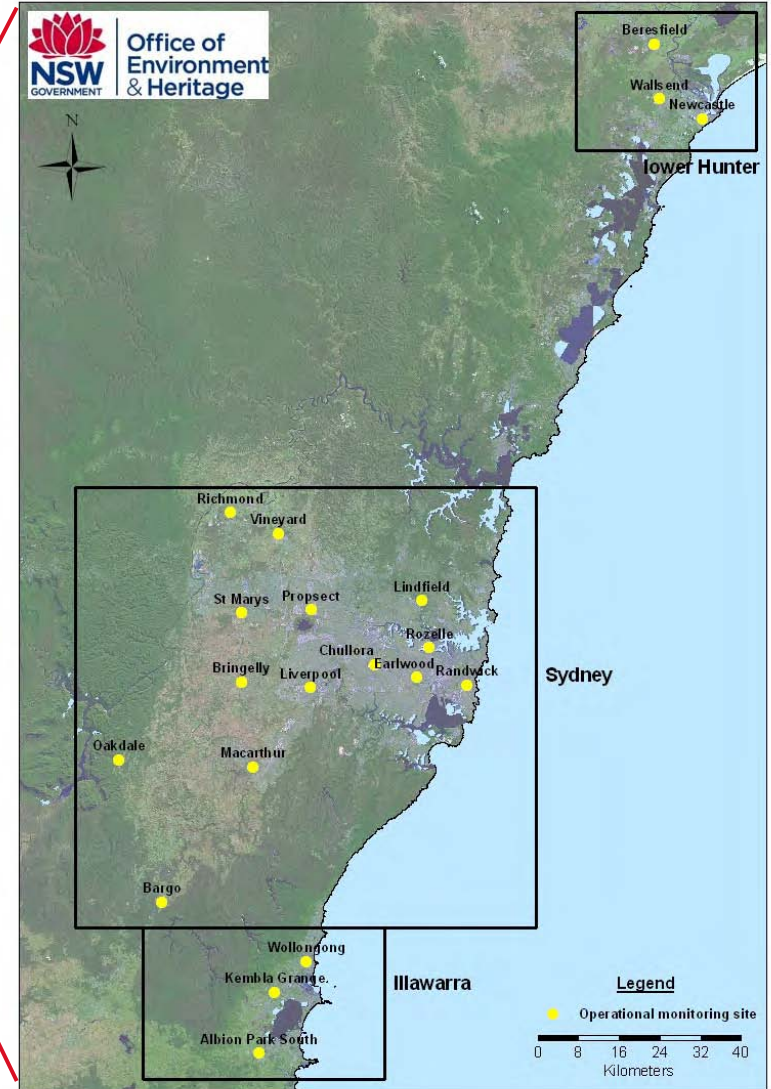
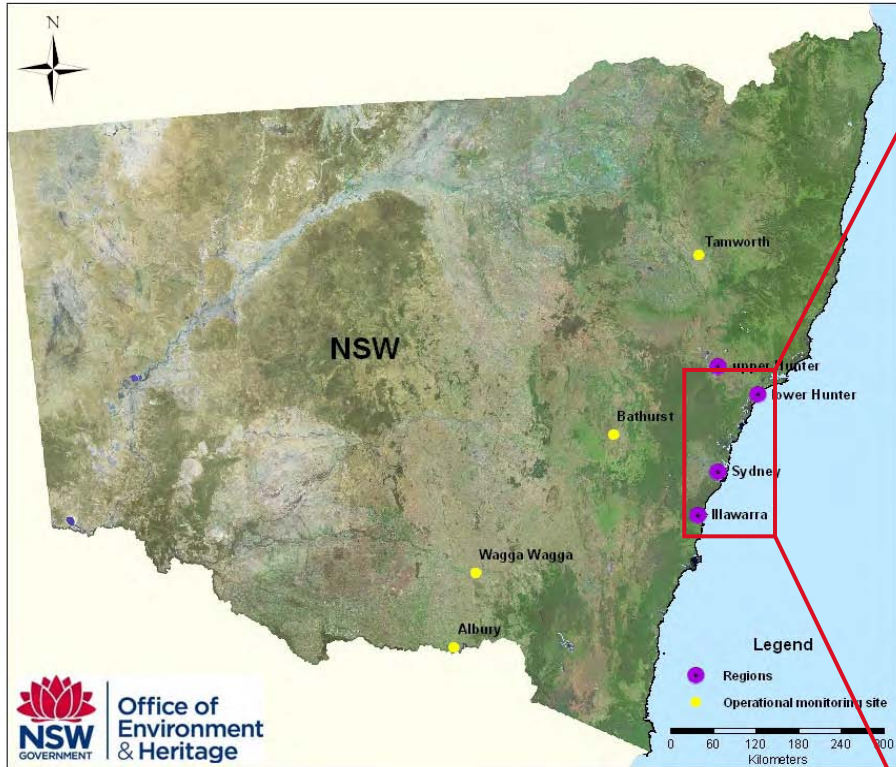


Upper Hunter Air Quality Monitoring Network

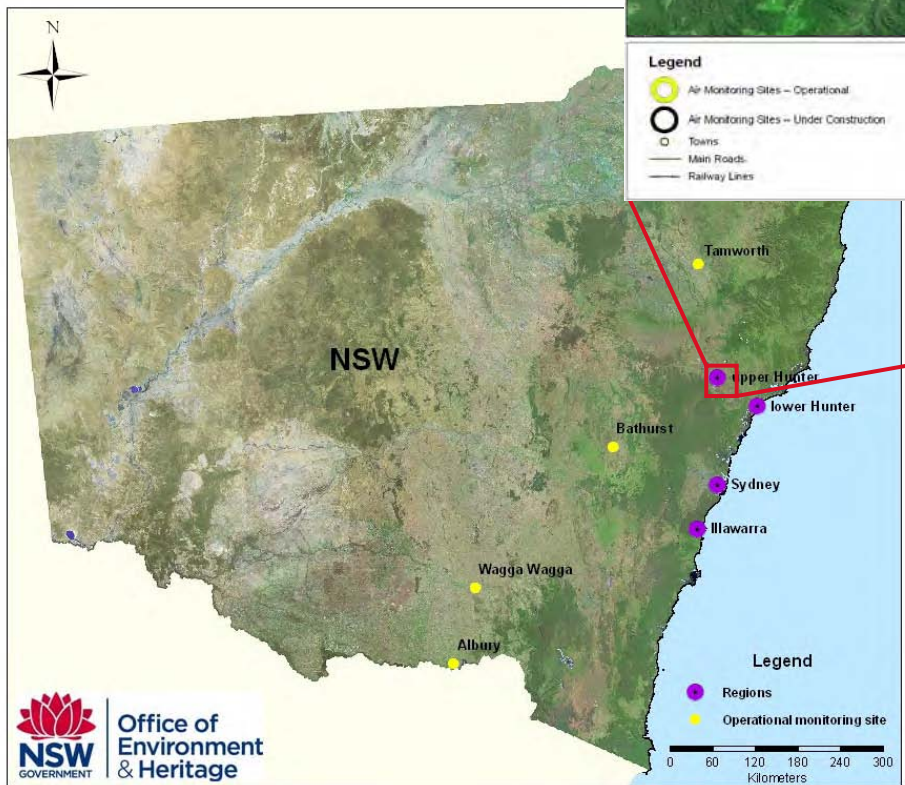
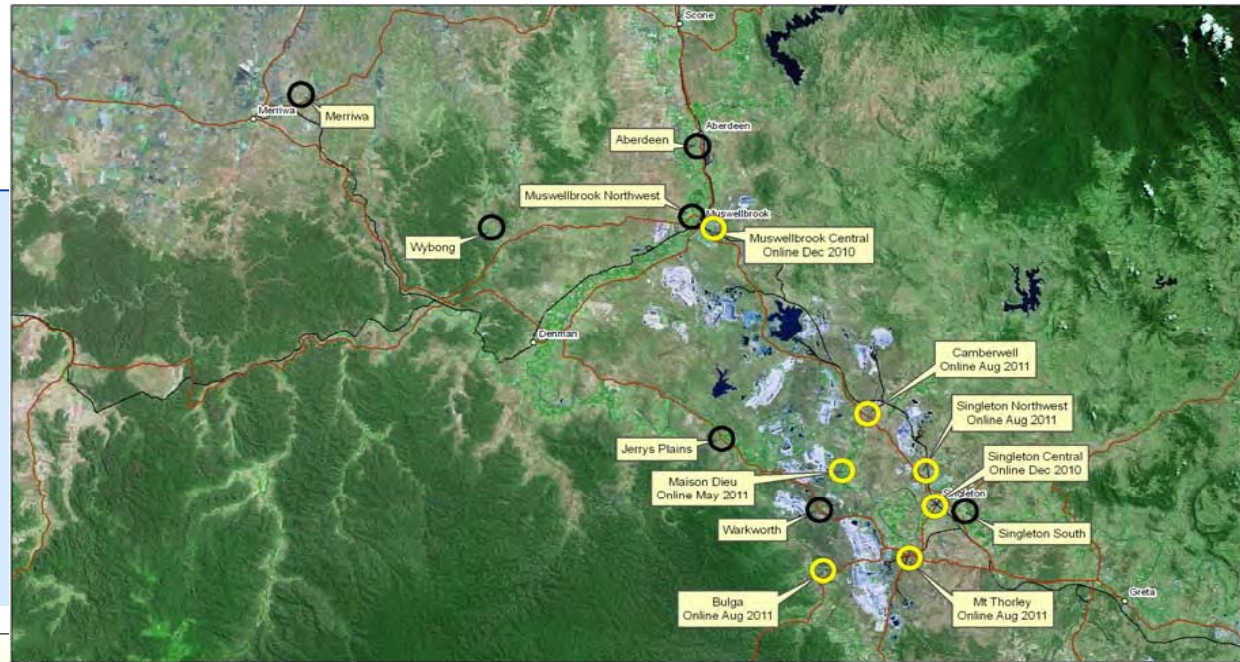
Air quality monitoring network

14 stations in Sydney, 3 in Illawarra, 3 in lower Hunter, 4 rural



\$2.7 million to run in 2011/12
Extra 2 stations in 2012

Upper Hunter Air Quality Monitoring Network



<p>Legend</p> <ul style="list-style-type: none"> ● Air Monitoring Sites – Operational ○ Air Monitoring Sites – Under Construction ○ Towns — Main Roads — Railway Lines 	<p>Upper Hunter Air Quality Monitoring Network Sites as at 1 November 2011</p> <p><small>Copyright Office of Environment and Heritage 2011. All rights reserved. This document is the property of the Office of Environment and Heritage. It is to be used for the purposes of the information provided. It is not to be reproduced or distributed without the prior written consent of the Office of Environment and Heritage.</small></p>	<p>Printed By: OEH Newcastle 4 November 2011</p> <p>Office of Environment & Heritage</p>
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14 new monitoring sites – Singleton, Muswellbrook, Maison Dieu, Singleton NW, Camberwell, Mt Thorley & Bulga now operational

Industry Funding:
 - \$2.2 million Capital
 - \$350,000 pa (2 years)

Why do we measure air pollutants

Regional Level

- **Characterise and report on regional air quality**
- **Identify, prioritise and track trends in pollutants**
- **Assess and track the effectiveness of programs**
- **Help form the basis of new control programs and assess new developments (data to assist computer simulations)**
- **Provide information to researchers and the community**
- **Assess health impacts of pollutants**
- **Assess major source impacts**

Important issues for measurements

- **Reasons/Drivers for monitoring**
- **Where monitoring is required (scale)**
- **What pollutants are of greatest concern**
- **What equipment and techniques are to be used**
- **Frequency of monitoring (continuous or campaign)**
- **How is the data to be used**
- **What benchmarks are to be used to assess any data collected**
- **How is the data to be disseminated/reported**
- **Who needs access to the data and in what form**

Summary

- **Scientifically defensible (sites, methods etc.)**
- **Key pollutants are considered**
- **Data provided is accurate, credible, accessible, relevant and timely**
- **Appropriate benchmarks are available/agreed to assess data**
- **Community acceptance of total system**
- **Complex and expensive**
- **Independent assessment/review**