# Contents

**Letter of Transmittal** iii

**About this Report** v

- Report Structure v
- Further Information vi

**Review by the Director of Meteorology** 1

- Performance Overview 2
- Significant Issues 3
- Financial Results 3
- Outlook for 2009-10 3

**Agency Overview** 5

- Role and Functions 5
- Organisational Structure 7
- Output Structure 9

**Meteorological and Related Data** 11

- Output Performance Information 2008-09 12
- Achieving the Outcome 15
  - Observational Data 15
  - Processed Data 20
  - Ionospheric Prediction Products 22

**Meteorological and Related Research** 27

- Output Performance Information 2008-09 28
- Achieving the Outcome 30
  - Earth System Modelling and Climate Research 30
  - Weather, Oceans and Environment Research 34
- Research Related Activities 39
  - Scientific Publications 39
  - Collaboration 40
  - Cooperative Research Centres 42

**Weather Services** 43

- Output Performance Information 2008-09 44
- Achieving the Outcome 47
  - Public Weather and Disaster Mitigation Activities 47
  - Marine Weather Services 60
  - Aviation Weather Services 61
  - Defence Weather Services 63
CONTENTS

Climate Services
• Output Performance Information 2008-09 66
• Achieving the Outcome 68
  – Climate Data 68
  – Climate Monitoring Service 73
  – Oceanographic Services 75
  – Climate Policy Advice 78

Water Information Services
• Output Performance Information 2008-09 82
• Achieving the Outcome 84
  – Water Data Service 84
  – Water Monitoring Service 86
  – Water Prediction Services 89

International Meteorological Cooperation
• Output Performance Information 2008-09 94
• Achieving the Outcome 95

Corporate Governance
• Organisational Arrangements 101
• Bureau of Meteorology Advisory Board 104
• Bureau of Meteorology Audit Committee 104
• Corporate Planning and Evaluation 105
• Risk Management and Fraud Control 105
• Heritage Strategy 105
• Service Charter 106
• Ethical Standards 106
• External Scrutiny 107

Corporate Resource Management
• Workforce Planning and Staff Retention and Turnover 108
• Training 109
  – Internal Training Activities 109
  – International Training Activities 111
  – National Meteorological Library 111
• Financial Management Issues 112
• Purchasing 112
• Asset Management 113
• Consultants 113
• Exempt Contracts 114
• Australian National Audit Office Access Clauses 114
• Expenditure on Legal Services 114
## Corporate Communication

- Centenary of the Bureau of Meteorology
- Events
- Media Relations
- Publications
- Visits, Talks and Public Education (including online)

## Financial Statements

<table>
<thead>
<tr>
<th>Appendix</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Meteorology Act 1955</td>
<td>185</td>
</tr>
<tr>
<td>2</td>
<td>Water Act 2007 (extract)</td>
<td>187</td>
</tr>
<tr>
<td>3</td>
<td>Staff Summary</td>
<td>195</td>
</tr>
<tr>
<td>4</td>
<td>Total Resources</td>
<td>200</td>
</tr>
<tr>
<td>5</td>
<td>Occupational Health and Safety</td>
<td>201</td>
</tr>
<tr>
<td>6</td>
<td>Commonwealth Disability Strategy</td>
<td>203</td>
</tr>
<tr>
<td>7</td>
<td>Freedom of Information</td>
<td>207</td>
</tr>
<tr>
<td>8</td>
<td>Advertising and Market Research</td>
<td>210</td>
</tr>
<tr>
<td>9</td>
<td>Ecologically Sustainable Development and Environmental Performance</td>
<td>211</td>
</tr>
<tr>
<td>10</td>
<td>Consultancy Services let during 2008-09</td>
<td>215</td>
</tr>
<tr>
<td>11</td>
<td>Administered Grants</td>
<td>217</td>
</tr>
<tr>
<td>12</td>
<td>Australian National Audit Office Access Clauses</td>
<td>219</td>
</tr>
<tr>
<td>13</td>
<td>Glossary of Acronyms</td>
<td>221</td>
</tr>
<tr>
<td>14</td>
<td>Compliance Index</td>
<td>226</td>
</tr>
<tr>
<td>A</td>
<td>Bureau of Meteorology Advisory Board Annual Report 2008-09</td>
<td>229</td>
</tr>
</tbody>
</table>

## Index

- 234