



# *Queensland Mines Rescue Service*



November 2005

Wayne W Hartley



# *Queensland Mines Rescue Service*

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Presentation

to

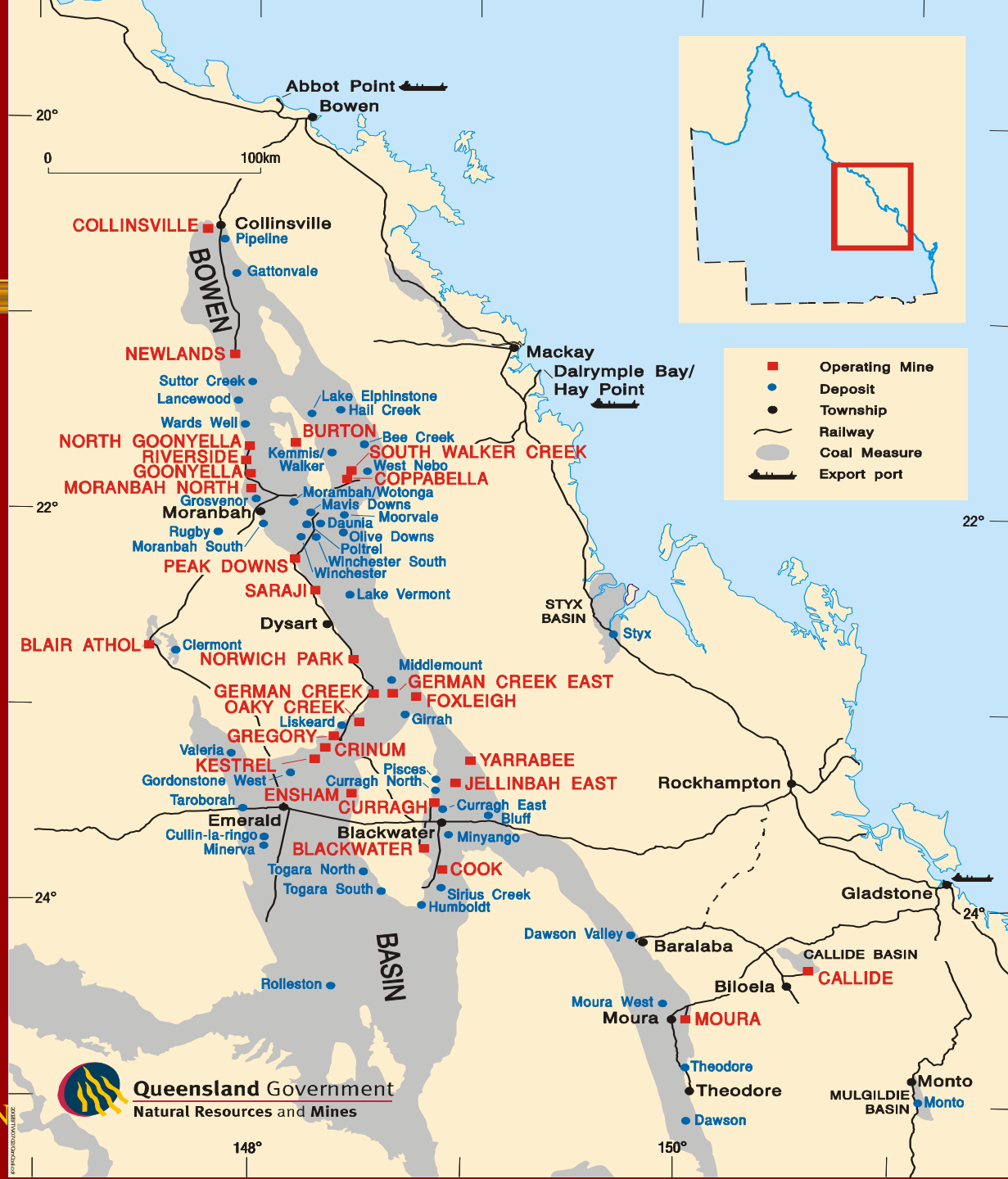
International Mines Rescue  
Conference

November 2005



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Queensland Government  
Natural Resources and Mines





# Queensland Mines Rescue Service

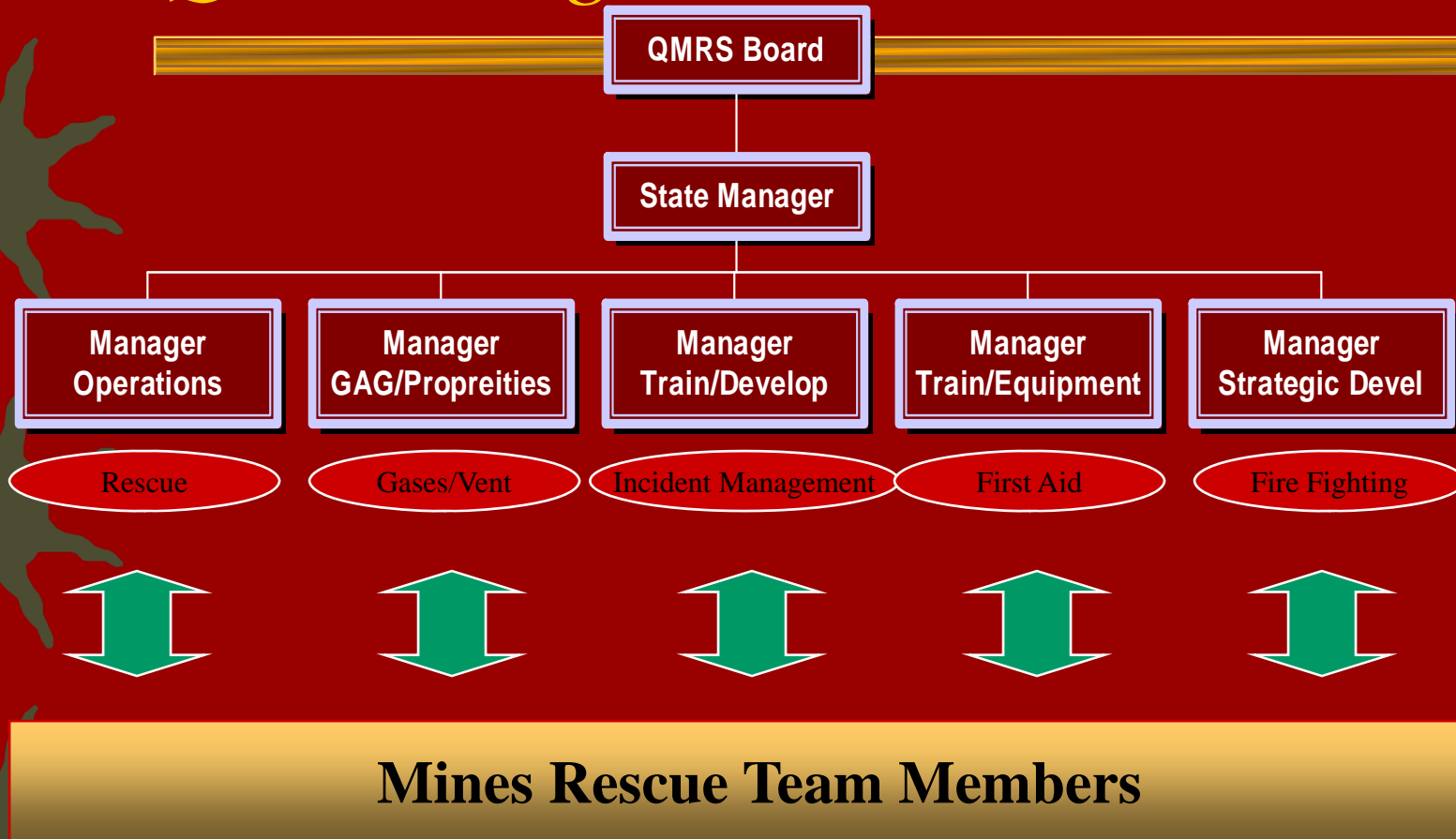


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# QMRS Organisational Chart





# *Queensland Mines Rescue Service*

- ❖ Private Company registered under guarantee
- ❖ Directed by a Board of Directors
- ❖ Directors representing the Industry Stakeholders
- ❖ Managed by the State Manager
- ❖ Funded by a Levy on the Coal Industry
- ❖ Has two facilities at Dysart and Blackwater
- ❖ 12 Sub-Rescue Stations at the mine sites
- ❖ Legislated to a Performance Standard
- ❖ Audited by the Senior Inspector of the DNRM
- ❖ Mines Rescue Agreements with each U/G mine
- ❖ 250 Mines Rescue Volunteers



# *Queensland Mines Rescue Service*

- ❖ Annual Budget \$2.17m
- ❖ Capital Budget \$.2m
- ❖ Average levy cost per U/G Mine is \$ 153 k
- ❖ Average levy cost per O/C Mine is \$19 k
- ❖ Annually cost per miner is \$743
- ❖ Annual training cost per Volunteer is \$8900
- ❖ Hourly Cost of Training is \$ 116 per person
- ❖ Return on Investment to the U/G Mine is \$167 k
- ❖ QMRS equipment at the mine site = \$250 k
- ❖ Includes 24/7 service including Inertisation
- ❖ Training Hours delivered is 17,500 hours plus



# *Queensland Mines Rescue Service*

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## ❖ **Our Mission**

❖ To Lead the Coal Industry in Emergency Management and Response to Instil Confidence for the Future.

## ❖ **Our Vision**

❖ To Inspire the Coal Industry in Confident Emergency Management through Leadership and Expertise.

*Partnerships with Industry Stakeholders*



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- ❖ Service to the industry by Training the MR Volunteers
- ❖ Supply, Maintain and Service state of the art Rescue and Emergency Equipment
- ❖ Facilitate training centres at Dysart and Blackwater
- ❖ Inertisation Unit for Emergency Fire Fighting and Inertisation
- ❖ Emergency Systems Consultancy Service
- ❖ Emergency Management Training



# *Queensland Mines Rescue Service*

- ❖ Challenged by the industry expected services
- ❖ Geographical size of the state service
- ❖ Shift roster at the mine sites clashes with training schedules
- ❖ Expectancy of more for less
- ❖ Geographical location of our training centres
- ❖ Release of the MR Volunteers for training
- ❖ Training QA standards requires more rigger
- ❖ Lack of knowledge in the industry of the training environment
- ❖ Whole of the Industry is not covered



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## ❖ **RESCUE**

- ❖ UG Coal Rescue Standards have not changed
- ❖ Safety and Risk protocols have changed
- ❖ Role of Mines Rescue is perceived redundant
- ❖ Mines Rescue must be seen in a broader context
- ❖ MR needs reinventing itself
- ❖ To be seen in a consultancy role
- ❖ Influence all the factors in a proactive role



# *Queensland Mines Rescue Service*

## ❖ MINES FIRES

- ❖ Significant incidents are in the past
- ❖ Loss of skills in operational strategy and tactics to combat this type of incident
- ❖ Loss of a present sense of reality of mine fires
- ❖ History is relegated to the shelf
- ❖ No National approach
- ❖ No industry “will” to address this short coming
- ❖ Recent level trials are highlighting the issues
- ❖ Education and training are key to the future
- ❖ Facilitating the future is not on the horizon



# *Queensland Mines Rescue Service*

## ❖ **INERTISATION**

- ❖ **QMRS Inertisation Unit in Qld. – GAG**
- ❖ **Mine Shield - Nitrogen Unit in NSW**
- ❖ **Tomlinson Boiler Unit private system**
- ❖ **Proactive use of inertisation (generated)**
- ❖ **High cost in some of the systems**
- ❖ **GAG Unit is most cost effective**
- ❖ **Future mods to the GAG Unit so as to be used proactively**
- ❖ **Mine design needs to accommodate inertisation strategies**



# *QMRS GAG A3 Inertisation Unit 2002*



23.8.2002



# *Queensland GAG Docking Facility*

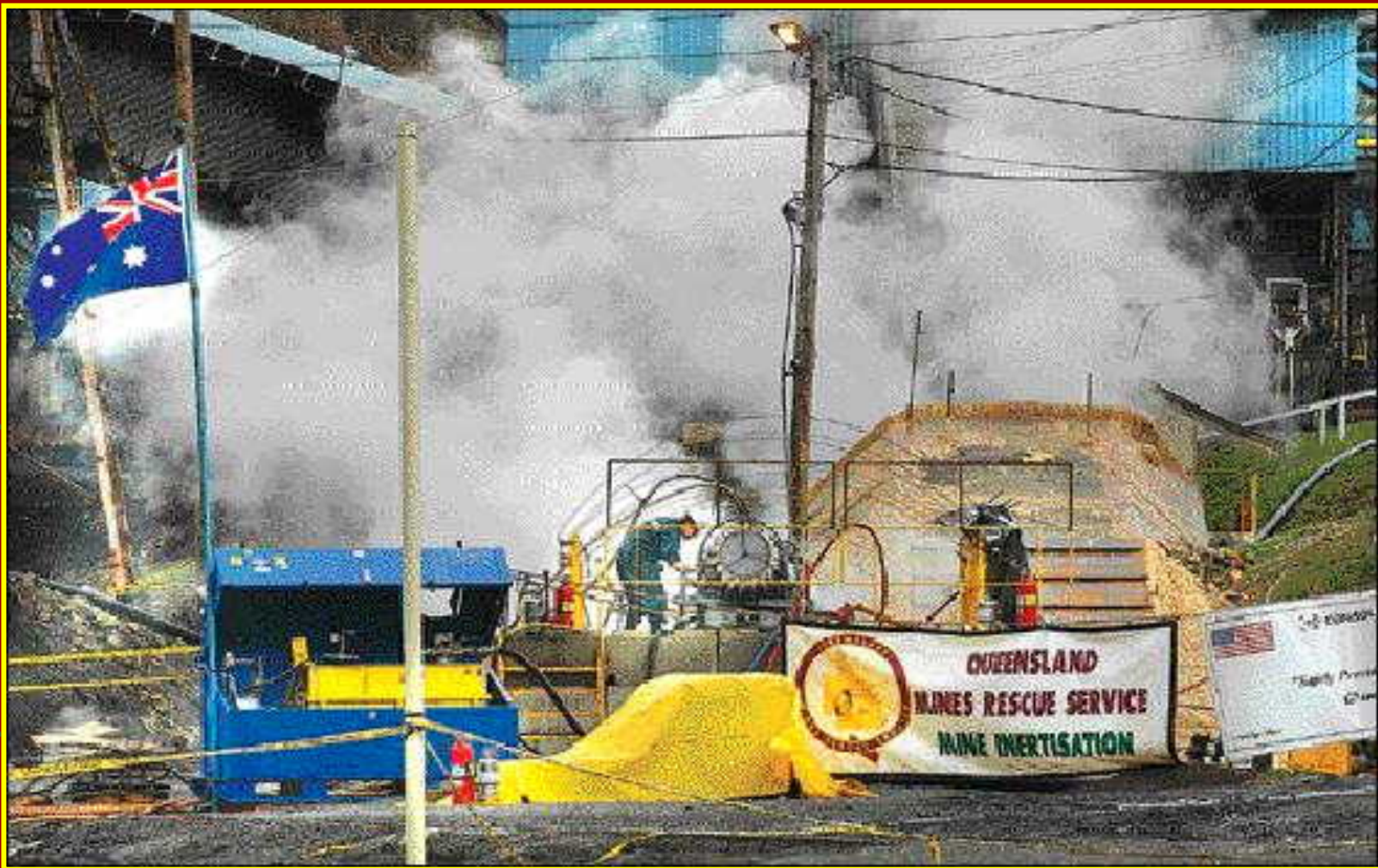


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# *QMRS GAG Operations USA 2003*





# *Queensland Mines Rescue Service*

## ❖ CHALLENGES

- ❖ Re-define Mines Rescue and its Role
- ❖ Strategic Use of Inertisation
- ❖ Training and Development – facilitation
- ❖ Use of Technology
- ❖ Industry Driven Development System
- ❖ Whole of Industry
- ❖ Mine Managers need to have more skills development
- ❖ New Systems are not resolving the issues