



# barrow island quarantine management system

human energy®

wild files vol. 7



## situation

1964-present • Barrow Island, Australia

Chevron's Australian subsidiary is the sole oil and gas operator on Barrow Island with both onshore and offshore operations.

Barrow Island was designated as a Class A Nature Reserve in 1910, the highest level of environmental protection offered by the Western Australian government.



<b>91 square miles</b> (235 sq km)	located <b>37 miles</b> (60 km) off the Western Australian coast	home to <b>24 species</b> and subspecies found nowhere else on Earth
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Our goal was to develop an effective plan to protect the island and its waters' unique ecosystems from alien invasive species. The survival of these species depends on the continued absence of predators and competitors from the surrounding area.

some of the island's unique creatures:



burrowing bettongs



golden bandicoots



flatback turtles



### barrow island euro

A small kangaroo found throughout the island. One of 13 unique mammal species that Chevron's actions help to protect.

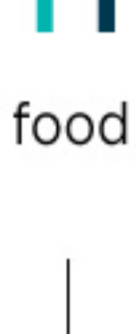


## actions taken

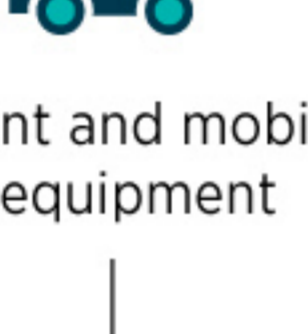
Beginning in 1964, Chevron partnered with the late renowned naturalist Dr. Harry Butler to create a scalable management process that could integrate with the company's Operational Excellence Management System.

Over the course of the next five decades, a rigorous quarantine process evolved into the quarantine management system (QMS), which now applies to the Barrow Island oilfield operations and Gorgon, one of the world's largest natural gas developments.

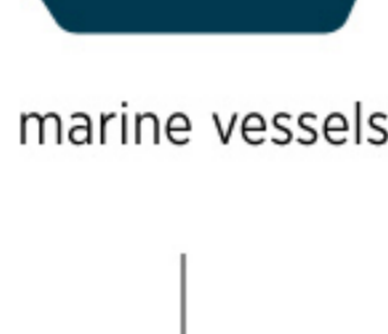
13 pathways were identified by which non-indigenous species might enter the island, including:



food



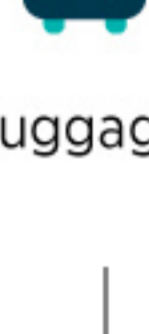
plant and mobile equipment



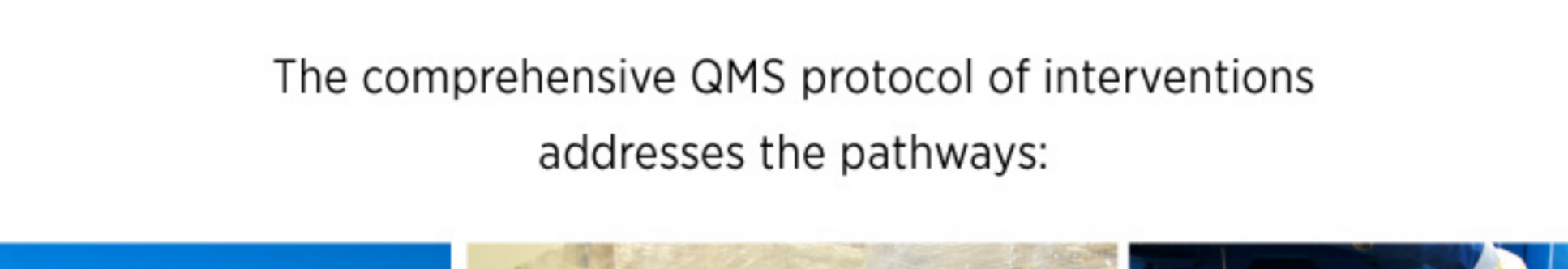
marine vessels



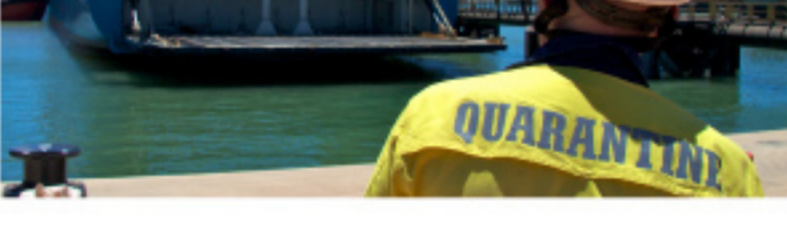
helicopter transfers



luggage



The comprehensive QMS protocol of interventions addresses the pathways:



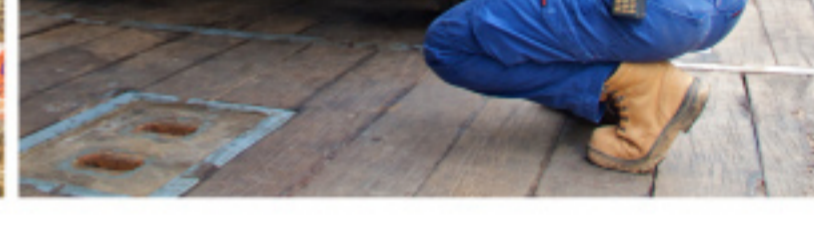
### pre-border

Before goods and personnel reach the island



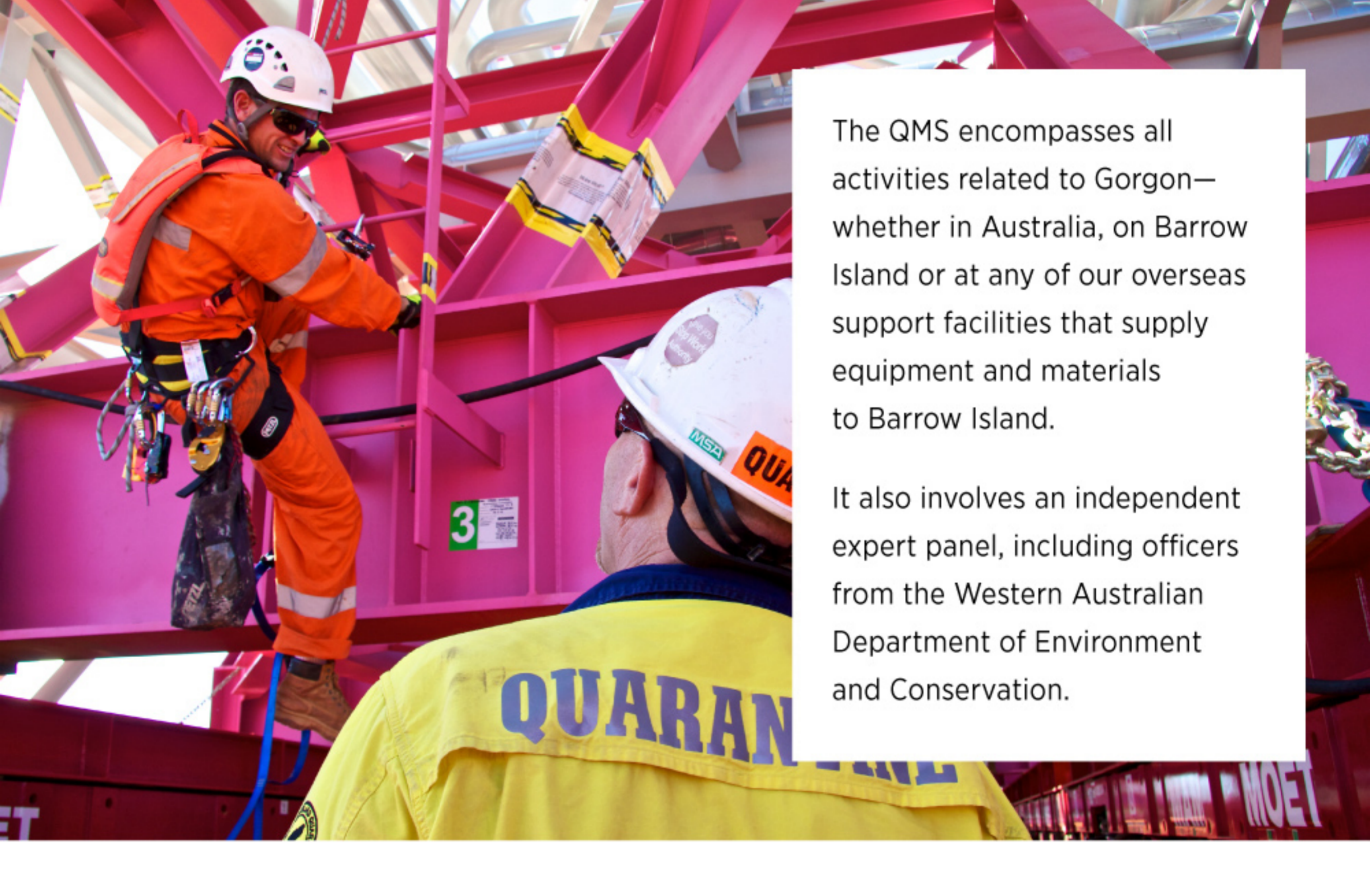
### border

On arrival



### post-border

Outside the facilities' locations



The QMS encompasses all activities related to Gorgon—whether in Australia, on Barrow Island or at any of our overseas support facilities that supply equipment and materials to Barrow Island. It also involves an independent expert panel, including officers from the Western Australian Department of Environment and Conservation.

At Gorgon's peak of construction activity in 2015, the QMS screened more than:



**10 million** meals



**12,162,000 tonnes** and 224,000 shipping containers



**890,000 passengers** on 14,906 flights



**364 vessels** on 4,993 voyages

This effort involved 1,472,379 inspection hours and 53,000 workers trained as part of the QMS.



## results

Despite the dramatic increase in activity with the development of Gorgon, no non-indigenous species were introduced to the island, and the ecosystem remains essentially free of invasive plants and animals.

Chevron's QMS has earned international recognition for its excellence in environmental management and stewardship.

- **2011 Environment Award** from Australian Petroleum Production and Exploration Association
- **2011 Environment Award** at the Western Australian Engineering Excellence Awards
- **2012 United Nations Award** for Environmental Best Practice
- **2015 Australian Government's Biosecurity Award** for outstanding contribution to the integrity of Australia's biosecurity

### giant perentie lizards

Australia's **largest lizard**

Grows up to a length of **6.6 feet (2 m)**



Our actions were consistent with our goal to conserve biodiversity:

**we strive to avoid or reduce the potential for significant impacts on sensitive species, habitats and ecosystems.**

