



In partnership with



# 2022 ANNUAL ENVIRONMENT REPORT

QUARANTINE STATION NORTH HEAD

MP 08-0041



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# 1. Introduction

## 1.1 Overview of the Site

The Quarantine Station (Q Station) (Figure 1) is located on North Head Manly and within the Sydney Harbour National Park, some 10km to the northeast of the Sydney CBD. It covers 31 hectares, including heritage buildings. This site has cultural and historical significance as it operated as a Quarantine Station from 1828 to 1984. In fact, it was the first Quarantine Station established in Australia.

The Q Station site is owned by the NSW Department of Planning and Environment (DPE) and managed by the NPWS. DPE is the parent organisation of NPWS and regulates matters relating to heritage, pollution, native vegetation, biodiversity and National Parks.

Planning approval (MP08\_0041) was granted in 2003 for the 'North Head Quarantine Station Conservation and Adaptive re-use Proposal' with NPWS and Mawland Quarantine Station Pty Limited [Mawland] as co-proponents. In 2006 the site was leased to Mawland for the upgrade of the buildings and facilities on the site and the operation of a tourist facility "Q Station" providing accommodation, conferences, weddings, events and education tours.

On 11<sup>th</sup> May 2022 the lease was transferred to North Head Sydney Pty Limited [NHS] which now conducts the day-to-day activities of the site in accordance with the conditions of planning approval.

## 1.2 Purpose of the Report

This report is to meet the Minister's Conditions of Planning Approval 221 to 224 inclusive (CoPA) for the site under approval MP08\_0041 and subsequent modification (MP08\_0041 MOD 3).

The reporting period is January 2022 to December 2022. Pursuant to the conditions of approval, the site is in Operational mode.

This report has been prepared in accordance with the *Compliance Reporting Post Approval Requirements* (DPIE, 2020).

## 1.3 Summary of Activities

The site was open during the reporting period, January 2022 to December 2022, and the activities undertaken were:

- Visitor access and visitor management
- Visitor Centre and Museum
- Guided tours
- Accommodation, functions and events
- Restaurant



## 1.4 Responsible personnel

The personnel responsible for the environmental management of the Q Station during 2022 were:

### NSW National Parks and Wildlife Service

- Chad Weston, Sydney North Area Manager  
chad.weston@environment.nsw.gov.au
- Andrew Thornton, Principal Project Officer  
andrew.thornton@environment.nsw.gov.au
- Rose Porter, Environmental Liaison Officer  
rose.m.porter@environment.nsw.gov.au

### Quarantine Station

Until 11<sup>th</sup> May 2022

- Maxwell Player, Director of Mawland Quarantine Station Pty Limited
- Suzanne Stanton, Director of Mawland Quarantine Station Pty Limited,  
sstanton@mawlandgroup.com.au
- Steven Carrodus, General Manager Q Station  
steve.carrodus@qstation.com.au

From 11<sup>th</sup> May 2022

- Glenn Piper, Sole Director / Secretary of North Head Sydney Pty Ltd  
glenn@meridianaustralia.com.au
- Steven Carrodus General Manager Q Station  
steve.carrodus@qstation.com.au
- Ben Dalgliesh, Project Manager for North Head Sydney Pty Ltd  
ben.dalgliesh@gmail.com
- Alan Brawn, Compliance Officer for North Head Sydney Pty Ltd  
alanrbrawn@gmail.com

## 1.5 Consultation

In accordance with Condition 221 of the CoPA, a copy of the report was made available to the following stakeholders on 16 January 2023 for review and comment:

- Heritage NSW acting on behalf of the Heritage Council of NSW (Heritage Council)
- Transport for NSW (formerly Waterways Authority)
- Department of Planning
- DPI Fisheries
- Quarantine Station Community Committee

The recipients were requested to provide their comments, if any, by 17 February 2023.

Comments (Appendix H) were received from:

- Heritage NSW acting on behalf of the Heritage Council of NSW (Heritage Council)
- Transport for NSW (formerly Waterways Authority)

Table 1 details comments received that deal with any visitor impact arising from the activities on site

**Table 1 Stakeholder Consultation Comments Received**

Stakeholder Group	Reference (page number or condition)	Comment	Co-proponent Response Action completed
Transport for NSW	Condition 42 (page 50-51)	Where references are made to the “Waterways Authority” should be updated to “Transport for NSW”	A note has been added where reference is made to the “Waterways Authority” that the authority is now “Transport to NSW”
Heritage NSW	Condition 212 (page 3)	Table 1 details comments received that deal with any visitor impact arising from the activities on site. This table is empty	This comment received relates to this table (Table 1) which details comments received as part of the consultation process. This table is now complete.

No comments were received from:

- Department of Planning
- DPI Fisheries
- Quarantine Station Community Committee



Figure 1: Site Map of North Head Quarantine Station (Source: NPWS Spatial Team 2022)

## 2. Actions arising from 2021 Comprehensive Audit

Source	Condition of consent number	Non-Compliance	Action proposed	Proposed completion date	Status	Action completed
Comprehensive Audit Quarantine Station North Head 2018-2021	69, 72, 94, 96, 103, 109, 118, 119, 190, 192, 195 and 208	5-year review of site wide management plans due 2021	<p>A review of all plans to ensure that they meet current legislative and operational need of the plans.</p> <p>Group 1</p> <ul style="list-style-type: none"> <li>- Environmental Management Plan (195)</li> <li>- Aboriginal Heritage Plan (72)</li> <li>- Inscriptions Management Plan (96)</li> <li>- Erosion and Sedimentation Plan (195/197)</li> <li>- Waste Management Plan</li> <li>- Asbestos Sampling and Replacement Strategy</li> </ul>	30 <sup>th</sup> June 2023	In progress	<p>The co proponents have established a project management plan.</p> <p>Costing for the review and a timeline has been received from independent consultants who are to be commissioned to undertake and complete the review. Group 1 and Group 2 are being reviewed by different consultancies.</p> <p>On 10 January 2023 consultant appointed for Group 1 plans.</p> <p>Group 1 and 2 Plans are scheduled for completion by 30 June 2023</p>

Q Station Annual Environmental Report – January 2022 to December 2022

Source	Condition of consent number	Non-Compliance	Action proposed	Proposed completion date	Status	Action completed
			<ul style="list-style-type: none"> <li>- Heritage Landscape Plan</li> <li>- Interpretation Plan</li> <li>- Noise Management Plan</li> <li>- Infrastructure Control Plan</li> <li>- Predator and Pest Control Plan</li> </ul> <p>Group 2</p> <ul style="list-style-type: none"> <li>- Access Strategy</li> <li>- Emergency and Evacuation Plan</li> <li>- Outdoor Visitor Infrastructure Plan</li> <li>- Security Plan</li> <li>- Internal Fit Out Plan</li> </ul>			
Comprehensive Audit Quarantine Station North Head 2018-2021	5	Reports not publicly available.	Publish the 2019 and 2020 annual environment reports and the 2021 Comprehensive Audit report on the NHS website and the NPWS websites	3 <sup>rd</sup> quarter 2022	Complete	Reports published on NPWS and Q Station websites
Comprehensive Audit Quarantine Station North Head 2018-2021	52	Appointment of current Environmental Manager not approved by DEC and Planning NSW.	NPWS appoint Environmental Manager position.	1 <sup>st</sup> quarter 2023	In progress	NPWS is finalising approval to advertise and fill the role.



Source	Condition of consent number	Non-Compliance	Action proposed	Proposed completion date	Status	Action completed
		NPWS Environmental Liaison Project Officer currently managing duties of Environmental Manager.				
Comprehensive Audit Quarantine Station North Head 2018-2021	61	Absence of an Environmental Management System for contractors engaged in the undertaking of the activities on site.	Development of a process that ensures contractors engaged in the undertaking of the activities on the site demonstrate a commitment to environmental, heritage and conservation values of the site.	1 <sup>st</sup> quarter 2023	Complete	All contractors are required to read the and sign a contractor induction program document
Comprehensive Audit Quarantine Station North Head 2018-2021	65	Evidence of annual refresher program having been undertaken by all staff and contractors was not available.	Annual refresher program to continue.	31 <sup>st</sup> January 2023		Refresher courses are being held. Details of when course held, staff who attended and management who conducted the course are now being recorded digitally.
Comprehensive Audit Quarantine Station North Head 2018-2021	66, 67, 68	The systems required by condition 66 had not been developed	The development of a computer-based information management system and GIS for the site.	30 <sup>th</sup> June 2023	In progress	Cloud-based file sharing between co-proponents established via Microsoft Teams and will continue to be developed in 2023 for DPE approval. This system includes requirements listed in condition 68.

Source	Condition of consent number	Non-Compliance	Action proposed	Proposed completion date	Status	Action completed
						GIS spatial layers in development by NPWS Spatial Team. This will be shared with the lessee via a Data Usage Agreement.
Comprehensive Audit Quarantine Station North Head 2018-2021	82	A review of the Conservation Works Program has not occurred since 2006.	A review of the CWP for inclusion in 2023 annual environmental report.	30 <sup>th</sup> June 2023	In progress	<p>A Conservation Works Program is included as part of the development computer-based information management system for annual review.</p> <p>This includes a list of works (including regular maintenance works), priorities and when works are to be conducted (month/year).</p>
Comprehensive Audit Quarantine Station North Head 2018-2021	89	A review of the Moveable Heritage and Resources Plan has not been undertaken in the last five years.	This plan was updated in 2021 and approval is being sought from NSW Heritage	30 <sup>th</sup> June 2023.	In progress	<p>The review is complete.</p> <p>NPWS will submit to the Heritage Office for approval and progress with the Site Wide Plans review for completion.</p>
Comprehensive Audit Quarantine Station North Head 2018-2021	98	Works have not been completed. The stone mason recommended by the Heritage Council has	NHS is sourcing an appropriately qualified and experienced conservation specialist with assistance of International Conservation	4 <sup>th</sup> quarter 2023	In progress	Awaiting advice from International Conservation Services Pty Ltd.

Q Station Annual Environmental Report – January 2022 to December 2022

Source	Condition of consent number	Non-Compliance	Action proposed	Proposed completion date	Status	Action completed
		not been willing to undertake the works and the Heritage Council have not approved the works to be undertaken by the University of Sydney.	Services Pty Ltd for approval of the specialist by the Heritage Council with a view to the work being undertaken during 2023			
Comprehensive Audit Quarantine Station North Head 2018-2021	155	There is no evidence of the shuttle bus providing service as required by this condition of approval	Resumption of the shuttle bus service.	4 <sup>th</sup> quarter 2022	Completed	The shuttle bus is now providing the minimum number of trips required by the condition of approval and also provides an 'on demand' service for hotel guests.
Comprehensive Audit Quarantine Station North Head 2018-2021	184	There was no formal seagrass monitoring undertaken during the reporting period.	Seagrass monitoring to be carried out January 2023	1 <sup>st</sup> quarter 2023	Ongoing	NHS has commissioned Paul Anink, a marine ecologist, from Marine Pollution Research Pty Ltd to undertake an initial seagrass and seabed survey with the view to developing a program as required by the condition to provide an annual monitoring program
Comprehensive Audit Quarantine Station North Head 2018-2021	216, 217, 219, 220	An Integrated Monitoring Program has not been	Review of program to be undertaken in 2023.	28 February 2023	Ongoing	Interim Integrated Monitoring program submitted to DPE for approval 19 December 2022 via Major Projects

Source	Condition of consent number	Non-Compliance	Action proposed	Proposed completion date	Status	Action completed
		developed for the site.				Portal. The Integrated Monitoring Program is to be reviewed in 2023 and submitted to DPE Planning for approval.
Comprehensive Audit Quarantine Station North Head 2018-2021	Schedule 5	Bandicoot monitoring program does not meet Planning conditions specified in schedule 5.	Review of monitoring program and submission of modification to DPE Planning for approval	4 <sup>th</sup> quarter 2023	In progress	NPWS working group established in November 2022. This involves ongoing scheduled meetings with threatened species officers to address non-compliance. NPWS will seek to amend the monitoring methodology and lodge a modification to the Planning conditions in 2023.

### 3. Compliance status summary from 2022 reporting period

Table 2: Compliance status summary

<b>Number of non-compliant conditions in reporting period</b>
26

Note: Total number of conditions of MP08\_0041 is 237 (not 233) due to some conditions numbers having multiple conditions (e.g. 99 and 99A)

Table 3: Non-compliances with CoPA during January 2022 to December 2022

Condition of consent number	Non-Compliance	Development phase	Evidence and comments	Status
52	<p>NPWS Environmental Liaison Project Officer currently managing duties of Environmental Manager.</p> <p>NPWS has not sought DPE and Planning NSW approval for the current Environmental Manager</p>	Operation	Comprehensive Audit Quarantine Station North Head 2018-2021 identified non-compliance with condition 52.	<p>NPWS acknowledges that the Environmental Manager position has been vacant in 2022.</p> <p>It is intended that this position will be filled by the end of the 1<sup>st</sup> quarter 2023.</p>
68	A computer-based information management system and GIS was not developed for the site	Operation	On 12 December 2022 NSW Planning issued NPWS an Official Caution and Direction to deliver an Information Management System by 30 June 2023.	<p><u>Information System</u></p> <p>Microsoft Teams channel has been established with cloud-based file sharing between co-proponents. This will continue to be developed in 2023</p>



Condition of consent number	Non-Compliance	Development phase	Evidence and comments	Status
				for DPE approval and includes requirements listed in condition 68.
				<p><u>GIS</u>                      GIS spatial layers in development by NPWS Spatial Team. This will be shared with the lessee via a Data Usage Agreement.</p>
69	Shared Information System to be reviewed every 5 years.	Operation	<p>On 12 December 2022 NSW Planning issued NPWS an Official Caution and Direction to deliver an Information Management System by 30 June 2023.</p>	<p>This condition relates to condition 68, above.</p> <p>The system will be reviewed during development and a framework put in place to ensure a 5-year review in 2028.</p>
72	Aboriginal Heritage Management Plan requires review every 5 years.	Operation	<p>Aboriginal Heritage Management Plan was last reviewed in 2008.</p> <p>On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Aboriginal Heritage Management Plan by 30 June 2023.</p>	<p>Aboriginal Heritage Management Plan is included in the Group 1 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.</p>
82	A review of the Conservation Works Program has not occurred since 2006.	Operation	<p>On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Conservation Works Program by 30 June 2023.</p>	<p>A Conservation Works Program will be included as part of the development computer-based information management system for annual review.</p>

Condition of consent number	Non-Compliance	Development phase	Evidence and comments	Status
				An annual review of the CWP is being developed for inclusion in 2023 annual environmental report.
				This will include a list of works (including regular maintenance works), priorities and when works are to be conducted (month/year).
89	Movable Heritage Plan review to be approved by Heritage NSW	Operation	On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Moveable Heritage Plan by 30 June 2023	The Moveable Heritage Plan was updated in 2021 and approved NSW Heritage.
94	Heritage Landscape Master Plan requires review every 5 years.	Operation	Heritage Landscape Master Plan was last reviewed in 2006.  On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Heritage Landscape Plan by 30 June 2023.	Heritage Landscape Master Plan is included in the Group 1 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.
96	Inscriptions Management Plan requires review every 5 years.	Operation	Inscriptions Management Plan was last reviewed in 2006.  On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Inscriptions Management Plan by 30 June 2023.	Inscriptions Management Plan is included in the Group 1 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.

Condition of consent number	Non-Compliance	Development phase	Evidence and comments	Status
99	Internal Fit Out Plan to be reviewed	Operation	<p>An Internal Fit Out Plan was approved by the Heritage Office on 13 June 2005</p> <p>On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Internal Fit Out Plan by 30 June 2023.</p>	Internal Fit Out Plan is included in the Group 2 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.
103	Interpretation Plan requires review every 5 years.	Operation	<p>Interpretation Plan was last reviewed in 2005.</p> <p>On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Interpretation Plan by 30 June 2023.</p>	Interpretation Plan is included in the Group 1 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.
109	Infrastructure Control Plan requires review every 5 years.	Operation	<p>Infrastructure Control Plan was last reviewed in 2008</p> <p>On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Infrastructure Control Plan by 30 June 2023.</p>	Infrastructure Control Plan is included in the Group 1 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.
112	Outdoor Visitor Infrastructure to be reviewed	Operation	<p>The Outdoor Visitor Management Plan was last reviewed in 2005.</p> <p>On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Outdoor Visitor Infrastructure by 30 June 2023.</p>	Outdoor Visitor Management Plan is included in the Group 2 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.
117	Security Plan requires review every 5 years.	Operation	Security Plan was last reviewed in 2005 as part of the Visitor Management Plan.	Security Plan is included in the Group 2 Site Wide Plans that will be

Condition of consent number	Non-Compliance	Development phase	Evidence and comments	Status
			On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Security Plan by 30 June 2023.	submitted to Department of Planning by 30 June 2023.
119	Access Strategy requires review every 5 years.	Operation	<p>Access Strategy was last reviewed in 2005 as part of the Visitor Management Plan.</p> <p>On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Access Strategy by 30 June 2023.</p>	Access Strategy is included in the Group 2 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.
138	Ferry service has ceased to operate between Manly and Quarantine Station	Operation	<p>The ferry service operated until the first 2020 COVID pandemic lockdown (March 2020)</p> <p>This service was since cancelled by RMS/NRMA.</p>	Negotiations are taking place with ferry operates with a view to resumption of the ferry service during 2023. Lack of demand when the service operated is a critical factor in the negotiations.
139	Water-based access. The proportion of visitors accessing the site by ferry is less than 40%.	Operation	<p>Ferry system is not currently in operation.</p> <p>Mawland, the previous lessee of the site, undertook all practical measures to achieve the required proportion of visitors to the site however the service was not popular.</p>	Negotiations are taking place with ferry operates with a view to resumption of the ferry service during 2023. Lack of demand when the service operated is a critical factor in the negotiations.
180	Co-proponents to contribute funding towards Manly Little Penguin long-term sustainability targets to be reviewed every 5 years.	Operation	Manly Little Penguin long-term sustainability targets last reviewed in 2015. 2020 report overdue.	NPWS and the Recovery Team are considering options for the viability of the population. A funding request to assist with documentation in leu of the PVA will be sought.
186	If there is a significant reduction in seagrass beds, consult with NSW Fisheries to	Operation	The ecologist commissioned by NHS will consult with NSW Fisheries, as required, if there has been a significant reduction in the seagrass beds	ongoing

Condition of consent number	Non-Compliance	Development phase	Evidence and comments	Status
	implement appropriate measures to reduce impacts.			
187	Implement adaptive measures resulting from seagrass monitoring if necessary	Operation	Noted	ongoing
190	Predator and Pest Control Plan to be reviewed every 5 years.	Operation	<p>Predator and Pest Control Plan was last reviewed in 2008.</p> <p>On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Predator and Pest Control Plan by 30 June 2023.</p>	<p>The Predator and Pest Control Plan will be reviewed with the Group 1 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.</p> <p>NPWS review the Sydney North Area Rabbit Shooting Operations Plan and the Sydney North Area Fox Control Plan which includes North Head Quarantine Station annually.</p>
195	Environmental Management Plan	Operation	<p>On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Environment Management Plan by 30 June 2023.</p>	<p>Environmental Management Plan is included in the Group 1 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.</p> <p>The Environmental Management Plan will include:</p> <ul style="list-style-type: none"> <li>- Erosion and Sedimentation (Condition 197)</li> <li>- Waste Management (203)</li> <li>- Asbestos Sampling and Replacement Strategy (111)</li> </ul>



Condition of consent number	Non-Compliance	Development phase	Evidence and comments	Status
				- Noise management plan (199)
205	Emergency and evacuation plan to be reviewed	Operation	The Visitor Management Plan was approved in 2005 and includes an Emergency and Evacuation Plan at section 7. The Plan was implemented.	Emergency and evacuation plan is included in the Group 2 Site Wide Plans that will be submitted to Department of Planning by 30 June 2023.
208	Visitor Management Plan to be reviewed every 5 years.	Operation	Visitor Management Plan was last reviewed in 2005.  On 12 December 2022 NSW Planning issued NPWS with a Direction to review the Visitor Management Plan by 30 June 2023.	Visitor Management Plan will be reviewed with the Site Wide Plans in 2023.

Condition of consent number	Non-Compliance	Development phase	Evidence and comments	Status
212	Implement and update bushfire management plans applicable to the site	Operation	<p>North Head Fire Management Strategy last reviewed 2014.</p> <p>Review of Environmental Factors (REF) Clearing, Trimming and Management of Vegetation – QS last reviewed in 2009.</p> <p>On 12 December 2022 NSW Planning issued NPWS with a Direction to review bushfire management plans by 30 June 2023.</p>	<p>North Head Fire Management Strategy under review to be completed by mid-2023.</p> <p>REF to be reviewed in 2023 following a Bushfire Assessment Report.</p> <p>NPWS working group established</p>
216	Develop and implement an Integrated Monitoring and Adaptive Management System (IMAMS).	Operation	<p>An Integrated Monitoring and Adaptive Management System (IMAMS) program was developed in 2006 and operated until 2020. In 2020, a review of this system was requested by NSW Planning.</p> <p>On 12 December 2022 NSW Planning issued NPWS an Official Caution and Direction to develop an Integrated Monitoring Program by 28 February 2023.</p>	<p>Interim IMAMS submitted to DPE for approval 19 December 2022 via Major Projects Portal.</p> <p>IMAMS to be reviewed in 2023 and submitted to DPE Planning for approval.</p>
217	Required features to monitor for IMAMS program	Operational	<p>On 12 December 2022. DPE Planning issued NPWS an Official Caution and a Direction to develop an Integrated Monitoring Program by 28 February 2023.</p>	<p>IMAMS review to include these items</p>

## **4. Incidents**

There was one incident during the reporting period.

- The site was closed on 18 July 2022 to enable a leak in a water main, within the site, to be found and repaired. The leak in the water main was located at the old Pump House below the water reservoir.

## **5. Complaints**

No complaints were received during the 2022 reporting period.

## 6. Appendices

### 6.1 Appendix A – Compliance Report

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>GENERAL</b>					
<b>Documents To Be Complied With</b>					
1	The activity shall be generally carried out in accordance with the Environmental Impact Statement (EIS) “Proposal for the Conservation and Adaptive Re-use, North Head Quarantine Station, Sydney Harbour National Park”, Volumes 1-5, dated 7 September 2001, except where modified by: <ul style="list-style-type: none"> <li>a) the proposal, including plans, safeguards and mitigation measures, presented in the Preferred Activity Statement (PAS) prepared by the co-proponents dated September 2002;</li> <li>b) preliminary details for the proposed adaptation of Building</li> </ul>	Operation	Joint	Activities were carried out in accordance with the EIS, PAS and the exceptions noted in CoPA 1 in sub-paragraphs a to f.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>A6 provided by the co-proponents in a facsimile dated 14 October 2002 and, in the paper, dated 31 October 2002;</p> <p>c) the variations proposed to the PAS by the co-proponents in a letter dated 12 November 2002; and the conditions of this approval (which incorporate the conditions of concurrence and approval granted by the NSW Heritage Council, Minister for Fisheries, Minister for the Environment and the Minister for Infrastructure, Planning and Natural Resources).</p> <p>d) the conditions of this approval (which incorporate the conditions of concurrence and approval granted by the NSW Heritage Council, Minister for Fisheries, Minister for the Environment and the Minister for Infrastructure, Planning and Natural Resources).</p> <p>e) any future variations to the PAS proposed for the site, that are supported by OEH and the Heritage Council, provided that such variations reflect the key</p>				



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>site activities approved for the site (see ‘Definitions’); and</p> <p>f) all documentation submitted in support of the modification request (MP08_0041 MOD 3), including Environmental Assessment prepared by Linchpin Environmental (dated August 2015) and Responses to Submissions and Correspondence from Planning prepared by Mawland Group (dated September 2017).</p>				
2	In the event of any inconsistency with the EIS and PAS, the conditions of approval specified in this schedule and schedules 2 to 9 shall prevail.	Operation	Joint	Noted, there were no inconsistencies with the EIS and the PAS during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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**Compliance With Conditions**

3	It shall be the ultimate responsibility of the co-proponents to ensure compliance with the conditions of this approval and to ensure compliance by staff and contractors. The conditions do not relieve the co-proponents of the obligation to obtain all other approvals from relevant authorities required under any other legislation.	Operation	Joint	Noted, this report details of the compliance with the approval.	Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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**Dispute Resolution**

4	In the case of a dispute between the co-proponents and any public authority, company or person in the implementation of the conditions of approval, the matter shall be referred to the Department of Environment and Conservation (DEC) in the first instance. If the DEC is unable to resolve the dispute and/or is of the view that further consideration is justified the matter will be referred to the Department of Infrastructure, Planning and Natural Resources (DIPNR). If the matter is still unable to be resolved it shall then be referred to the Minister for the Environment and the Minister for Infrastructure, Planning and Natural Resources for final resolution.	Operation	Joint	There were no disputes between the co-proponents during the reporting period.	Not Triggered
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>Public Information</b>					
5	All final reports, reviews, plans and monitoring data referred to in the conditions of approval are to be publicly available, with the exception of material that is commercially sensitive or contains sensitive information regarding Aboriginal heritage or the location\ of threatened species and/or their habitat.	Operation	Joint	2019 and 2020 Annual Environment Reports and 2021 Independent Audit report are on Q Station web site at <a href="https://www.qstation.com.au/our-story">qstation.com.au/our story</a> and NPWS website <a href="https://www.environment.nsw.gov.au/research-and-publications/north-head-quarantine-station-management-plans">https://www.environment.nsw.gov.au/research-and-publications/north-head-quarantine-station-management-plans</a>	Compliant
<b>Contact</b>					
6	Prior to the commencement date, the co-proponents shall establish and publicise a contact telephone number, which would enable any member of the general public to reach a person who can arrange appropriate response actions to any queries or complaints received.	Operation	NHS	Contact information has been made publicly available on the Q Station website: <a href="https://www.qstation.com.au/contact.html">https://www.qstation.com.au/contact.html</a>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
7	<p>The co-proponents shall provide to DIPNR, DEC, NSW Waterways Authority and the Heritage Office the name and a 24 hour contact telephone number of at least one person who will have authority to enter any work areas, to take immediate action to stop works or any activity or take other action as necessary. The appointment of this person does not preclude any public authority from entering the site for the purposes of meeting or enforcing their statutory responsibilities.</p> <p><i>Note: Waterways Authority is now Transport for NSW.</i></p>	Operation	NHS	Noted, the contact telephone number has been provided to the authorities.	Compliant
<b>Complaints Register</b>					
8	<p>The co-proponents shall record details of all complaints received, and actions taken and response times. The Complaints Register shall be made available to: the Environmental Manager at the end of each week; the auditor for the purposes of the comprehensive audit (condition 226); and at other times</p>	Operation	Joint	There were no complaints during the reporting period	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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as requested by relevant NSW Government agencies.

## COMMENCEMENT

### Commencement Of Activity

9	<p>The activity is not to commence until:</p> <ul style="list-style-type: none"> <li>a) the Plan of Management for Sydney Harbour National Park, prepared under the National Parks and Wildlife Act 1974, has been amended to include provisions enabling the adaptive reuse of the Quarantine Station and until other relevant requirements of section 151B of the Act have been met;</li> <li>b) a relevant lease agreement under the provisions of the National Parks and Wildlife (NPW) Act 1974 has been entered into, although the Minister for the Environment, as a co-proponent, shall be at liberty to undertake part or all of</li> </ul>	Construction	Joint	<p>Condition satisfied prior to the commencement of operation.</p> <ul style="list-style-type: none"> <li>a. A Plan of Management for Sydney Harbour National Park exists.</li> <li>b. A lease assigned to North Head Sydney Pty Ltd on 11/5/2022</li> <li>c. Approvals were sought before commencement of activity.</li> <li>d. Ferry service operated until ceased due to covid –19. Negotiations with Ferry operators to commence service again in 2023.</li> <li>e. Emergency and evacuation plan established and is due</li> </ul>	Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>the activity prior to the finalisation of a lease;</p> <p>c) the co-proponents have obtained any necessary approvals from relevant authorities required under any other legislation, including the Heritage Act 1977;</p> <p>d) the co-proponents provide documentary evidence to the satisfaction of DIPNR that arrangements have been entered into with relevant agencies and/or private firms for a ferry (the Jenner or a similar vessel) to use wharf facilities at Manly; and</p> <p>e) an emergency and evacuation plan has been prepared for the site by the co-proponents and approved by the DEC (condition 205).</p>			for review with of all Site Wide Plans.	
10	Notwithstanding condition 9), the co-proponents may undertake the following activities prior to the commencement date:	Construction	Joint	Condition satisfied prior to the commencement of operation.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>a) commence relevant monitoring programs;</p> <p>b) finalise the various strategies, plans and management systems specified in the EIS, PAS or conditions of approval; and</p> <p>c) operate the existing Quarantine Station facilities up to the current level of usage providing this is undertaken in accordance with condition 24), and subject to conditions 9)e) and 210) being met. This is also subject to any relevant approvals being obtained under the NPW Act.</p>				
11	<p>For the purpose of the conditions of approval the “commencement date” is taken to be the date that DIPNR declares that all of the requirements of condition 9) have been met and that the activity may commence.</p>	Construction	Joint	Noted	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
12	The conditions of this approval shall be incorporated into the lease agreement under NPW Act for the site.	Operation	Joint	The conditions of approval are incorporated in the lease registered with the NSW Registry Service AC9289758	Compliant

**DURATION OF PLANNING APPROVAL**

13	This approval is valid for a period of 21 years. Any proposal to extend the approval beyond this period shall comply with the relevant legislative requirements that exist at the time the extension is sought.	Operation	Joint	Approval was given for the North Head Quarantine Station Conservation and Adaptive Re-Use Proposal on 23 December 2003. Any required extension of approval is not required until 2024.	Not Triggered
14	An extension to the duration of the planning approval may only be sought if there is a current endorsed conservation management plan for the site.	Operation	Joint	Noted	Not Triggered
15	In addition to any specific legislative requirements that may exist at the time	Operation	Joint	Noted	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>an extension to the approval is sought, the application shall be made available for public comment and address:</p> <ul style="list-style-type: none"> <li>• the provisions of any relevant endorsed conservation management plans;</li> <li>• compliance with the terms of this activity approval and any approved modifications;</li>   <li>• the outcomes of all monitoring undertaken since commencement of the activity, including the success of any adaptive management measures applied; and</li> <li>• the status of any integrated planning undertaken for north head, including the role of the site in any such process.</li> </ul> <p>This condition shall not fetter the exercise of any statutory power or discretion of any authority with respect to any proposed extension of the duration of planning approval.</p>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>SCOPE OF APPROVAL</b>					
<b>Other Infrastructure Approvals</b>					
16	With the exception of minor maintenance repairs or works (as defined) or works in accordance with condition 38) c), prior to undertaking any works associated with the provision of water and sewer services to the site the co-proponents shall consult Sydney Water and obtain a Section 73 Certificate under the <i>Sydney Water Act 1994</i> .	Operation	Joint	Noted	Not Triggered
<b>Aspect Of the Activity Not Approved</b>					
17	Aspects of the activity that are not approved as part of this application are listed in Schedule 2.	Operation	Joint	No works detailed in Schedule 2 were undertaken during this reporting period.	Not Triggered
<b>Aspects of the Activity Approved Subject to Modification of Detailed Design</b>					
18	Aspects of the proposal that are approved, subject to modifications or further detailed design, are listed in Schedule 3. The outcomes and objectives to be achieved, and the criteria for assessment of the	Operation	Joint	No works detailed in Schedule 2 were undertaken during this reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	achievement of the outcome or objective, are also detailed in Schedule 3.				
<b>Adaptation Of Accommodation Facilities</b>					
19	Prior to the commencement of any works associated with the conversion of rooms in any of the accommodation buildings, a sample adaptation within Building P6 must be completed and endorsed by the Heritage Council and DEC. The sample adaptation is to include accommodation room fitout and furnishing	Construction	Joint	Condition satisfied prior to the commencement of operation. Compliance noted in previous annual reports and records maintained onsite.	Compliant
20	With the exception of buildings P1 and P2, which are to remain with their current spatial layout and internal configuration, adaptation of buildings within the First and Second Class Precincts may occur in accordance with the specifications in Table B-2 of the PAS. Adaptation works are to be assessed and approved in accordance with conditions 35)-40), and reflecting the outcomes of the P6 prototype adaptation.	Construction	Joint	Condition satisfied prior to the commencement of operation. Compliance noted in previous annual reports and records maintained onsite.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
21	Buildings P1, P2 and the original rooms that are adapted, at the conclusion of the lease, are to be returned to their condition and spatial layout/internal configuration as at the commencement date of the lease. Other permissible alterations include those works that are identified in terms 31 and 38. At all times interpretation of the original spatial layout and internal configuration is to be exhibited prominently near buildings P1 and P2.	Operation	Joint	Ministers' approval and lease is valid until 2027, therefore this condition has not yet been triggered.	Not Triggered

## Reconstructions

### Buildings P21 And P23

22	<p>The proposed reconstruction of P21 and P23 and use for environmental and cultural study purposes is approved, subject to:</p> <ul style="list-style-type: none"> <li>a) all existing buildings associated with the Environmental and Cultural Study Centre being made operational first;</li> <li>b) information demonstrating a clear need for the reconstruction based on the management requirements for the ongoing</li> </ul>	Construction	Mawland	S60 Application submitted on 25 August 2011 for the reconstruction of building P21 and P23 for the purpose of educational accommodation within the 3rd Class/Asiatic precinct of the Quarantine Station.	Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>operation of the site (including demonstrated market demand for additional student accommodation) being provided to the satisfaction of the Heritage Council and DEC;</p> <p>c) final plans for reconstruction being submitted to and approved by the Heritage Council in accordance with the requirements of the Heritage Act 1977. These plans must incorporate distinctions in design between the two buildings; and</p> <p>d) Compliance with the certification requirements of the NPWS Construction Assessment and Approvals procedure</p>			<p>NSW Heritage Council approved the S60 Application in a letter dated 26 March 2012.</p> <p>A works certificate was issued on 20 December 2018 for the completion of the buildings.</p> <p>Letter prepared by Ron Edgar of Form Architects to the Heritage Office, Office of Environment and Heritage on 1 August 2019. Letter details that the reconstruction of Buildings P21 and P23 have been completed in accordance with the provisions of the development consent permitted under Section 60 No 2011/S60/85. A log book / photographic record of the construction stage prepared by Form Architects was also submitted to the Heritage Office detailing the works undertaken.</p>	

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>Buildings H1 And P22</b>					
23	<p>Reconstruction and use of buildings H1 and P22 is approved, subject to:</p> <ul style="list-style-type: none"> <li>a) final plans for reconstruction being submitted to and approved by the Heritage Council in accordance with the requirements of the Heritage Act 1977;</li> <li>b) compliance with the certification requirements of the NPWS Construction Assessment and Approvals Procedure; and</li> <li>c) if, after reconstruction commences or is completed, further alterations to the buildings are proposed, these shall require assessment and approvals under the relevant legislation.</li> </ul>	Construction	Mawland	Section 60 Application was submitted to DEC in November 2005 for the Reconstruction of Buildings H1 and P22. This work was approved for construction on 31 March 2006.	Compliant
<b>Restrictions On Use</b>					
24	Use of the site and the undertaking of the activity must proceed in accordance with uses permissible under the NPW Act 1974 (as amended).	Operation	Joint	The site is used only in accordance with the uses permissible under the NPW Act 1974.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
25	Buildings in the Third Class/Asiatic Precinct shall be used only for accommodation, interpretation and education purposes as specified in the PAS. Building P27 may also be used for special events, functions and/or conferences but only as a secondary use to education and interpretation.	Operation	Joint	The buildings in the Third Class / Asiatic Precinct are only used for the approved purposes. Building P27 is used for additional functions as required.	Compliant
26	Regular public tours of the site must form a component of the operation of the Quarantine Station and be run during publicly accessible periods, including weekends and public holidays.	Operation	NHS	<p>Public tours of the site include:</p> <p><b>Ghostly encounters</b> 2.5 hours duration Available daily 8 – 10.30pm</p> <p><b>Ghost Trackers</b> 2 hours duration Available weekends and school holidays</p> <p><b>Q Station Paranormal Investigation</b></p>	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
				<p>4 hours</p> <p>Available every Thursday</p> <p><b>Quarantine Wander History Tour</b></p> <p>1 hour</p> <p>Available daily 11am</p> <p><b>Q Station Wildlife Explorers Tour</b></p> <p>1.5 hours</p> <p>Available from 4pm on Saturday, Sunday and Public Holidays</p>	
27	Timber buildings shall not be used for the storage of fuel or other flammable materials.	Operation	NHS	The only fuel on site at Q Station is a small quantity of petrol stored in jerry cans in the metal maintenance shed.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>INTEGRATED PLANNING</b>					
28	The co-proponents shall contribute to any future initiatives focused on the development of an integrated planning approach for North Head, or components thereof, such as transport, infrastructure and utilities, accommodation and/or visitor access. Opportunities for providing general water access to North Head via Quarantine wharf shall be considered in developing such an approach, with a focus on the potential impacts of such access on the values of the Quarantine Station and implications for visitor management.	Operation	Joint	<p>The co-proponents are active members of the North Head Stakeholder Group which meets regularly to discuss and make decisions and contributions on these items.</p> <p>To date, TfNSW (Maritime) has not agreed to general water access</p>	Compliant
29	In order to minimise the requirement for on-site parking, the co-proponents shall undertake consultations with other land managers at North Head regarding options for off-site car parking. The outcome of these discussions shall be reported on an annual basis as part of the annual environmental report (Condition 221).	Operation	Joint	There has been no requirement for off-site parking at the Q Station during this reporting period.	Not Triggered
30	The co-proponents shall undertake discussions with the Sydney Harbour	Operation	Joint	Management of the 3rd Cemetery is conducted in	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	Federation Trust or future land manager regarding a cooperative and integrated approach to the future management and interpretation of the 3rd Cemetery.			accordance with the North Head Sanctuary Management Plan prepared in 2011 ( <a href="http://north-head-sanctuary-management-plan.pdf">north-head-sanctuary-management-plan.pdf</a> ) ( <a href="http://harbourtrust.gov.au">harbourtrust.gov.au</a> ).	

**STAGING, CERTIFICATION AND UNDERTAKING OF WORKS**

**Staging Of Works**

31	<p>The undertaking of works as part of the activity shall generally occur in accordance with the staging plan specified in Table F-1 of the PAS, subject to the following modifications:</p> <ul style="list-style-type: none"> <li>a) references to the “DACMP” shall be deleted and replaced with “Conservation Works Program (condition 78)”;</li> <li>b) references to “QSARG” shall be deleted;</li> <li>c) 50% of the Conservation Works Program medium term works shall be completed by the end of stage 2;</li> <li>d) upgrade of the fire hydrant system shall be completed within</li> </ul>	Construction	Mawland	The staging plan was submitted prior to the commencement of the works detailed in the Conservation Work Program.	Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>5 years of the commencement date in accordance with condition 211);</p> <p>e) revisions to building and conservation works as follows:</p> <ul style="list-style-type: none"> <li>• adaptation of P12 shall occur in Stage 2</li> <li>• adaptation of P10 shall occur in Stage 3</li> <li>• an approach to sampling and adaptation of the bathrooms in P14-16 shall be prepared during Stage 1 (refer Schedule 3); and</li> </ul> <p>f) amend the staging plan so that two free public open days are to be held in every twelve-month period, in accordance with condition 126).</p>				
32	The co-proponents shall not commence works associated with Stage 2 of the staging plan until the works and project planning actions specified in Stage 1 have been substantially completed to the satisfaction of the DEC and the Heritage Council.	Construction	Mawland	The staging plan was submitted prior to the commencement of the works detailed in the Conservation Work Program.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
33	The co-proponents shall not commence works associated with Stage 3 of the staging plan until the first comprehensive audit has been completed (condition 228) and any requirements or directions issued by the DEC, DIPNR or the Minister for Infrastructure, Planning and Natural Resources under conditions 232) and 233) have been complied with.	Construction	Mawland	The staging plan was submitted prior to the commencement of the works detailed in the Conservation Work Program.	Compliant
34	The co-proponents shall not commence works associated with Stage 4 of the staging plan until the DEC and the Heritage Council are satisfied that a significant proportion of the remaining Conservation Works Program (condition 78)) medium term works have been completed during Stage 3. Compliance with this condition shall be determined as follows: <ul style="list-style-type: none"> <li>a) if Stage 4 is not scheduled to commence within 3 years of the commencement date, then 100% of all medium-term works must be completed before Stage 4 works may proceed; or</li> <li>b) if Stage 4 is scheduled to commence within 3 years of the</li> </ul>	Construction	Mawland	The staging plan was submitted prior to the commencement of the works detailed in the Conservation Work Program.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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commencement date, then at least 75% of the total medium-term works must be completed before Stage 4 works may proceed.

**General Works**

35	<p>The co-proponents shall comply with the requirements of the NPWS Construction Assessment and Approvals Procedure for all relevant construction works to be carried out under this approval, except where varied by the conditions of this approval. All relevant construction works includes:</p> <ul style="list-style-type: none"> <li>a) all works that require the disturbance or alteration of fabric, buildings and other structures;</li> <li>b) installation or upgrading of utility infrastructure and any maintenance or upgrade work that requires the excavation of new lines or locations or involves</li> </ul>	Operation	NHS	There were no construction works during the reporting period.	Not Triggered
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>the discharge of polluting substances (as defined); and</p> <p>c) landscape works in accordance with the adopted Heritage Landscape Management Plan that require ground surface disturbance, or the installation of new landscape elements including car park construction and road works.</p>				
36	Any application for construction work within the Quarantine Station site must be submitted to the Heritage Advisor for review prior to lodgement with the DEC and Heritage Council. This requirement can be waived at the discretion of the Heritage Advisor, except for those works specified in the conditions of approval as requiring approval from the Heritage Council.	Operation	NHS	There were no construction works during the reporting period.	Not Triggered
37	The co-proponents must submit as part of any application for construction works the following additional information (where it is relevant to the particular proposal) to that required under the NPWS Construction Assessment and Approvals Procedure:	Operation	NHS	There were no construction works during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>a) a statement of compliance with the relevant policies of the QSCMP, DACMP, relevant site-wide plans and/or requirements of the conditions of this approval, or clear justification for any proposed variances;</li> <li>b) details of all materials, fittings, fixtures and other specifications;</li> <li>c) details of proposed construction techniques;</li> <li>d) sample boards and coloured elevations showing proposed materials and colours, based on research into historic colour schemes as required;</li> <li>e) a schedule of fabric and other materials to be sampled consistent with the fabric sampling guidelines [condition 86) d)] and sampling provisions for asbestos and rainwater systems (condition 111) and bathroom fixtures [condition 99) b)];</li> <li>f) for carparks:                             <ul style="list-style-type: none"> <li>• details of the stormwater management system based on the guideline “Managing</li> </ul> </li> </ul>				



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>Urban Stormwater – Soils and Construction” (DoH 1998)</p> <ul style="list-style-type: none"> <li>• an assessment of the soil and hydrological characteristics downslope of the proposed carparks</li> <li>• the proposed maintenance program for structures associated with the carpark (eg: stormwater cells;</li> </ul> <p>g) a historical archaeological assessment to comply with the requirements of the North Head Quarantine Station Archaeological Management Plan (2000);</p> <p>h) an outline of environmental and/or heritage impacts and proposed mitigative measures or safeguards, including procedures for avoiding impacts on flora and fauna; and</p> <p>i) proposed monitoring and maintenance procedures, where relevant.</p>				
38	Notwithstanding the above, approvals in accordance with the NPWS	Operation	NHS	Interior painting and floor sanding completed in Building	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>Construction Assessment and Approvals Procedure are not required for the following matters, where these are undertaken in accordance with the provisions of the Conservation Works Program or relevant side-wide plan(s):</p> <ul style="list-style-type: none"> <li>a) painting and carpeting;</li> <li>b) basic essential services, such as upgrading of electrical wiring, installation of power points, telephone connections, etc;</li> <li>c) infrastructure works which involve the essential repair or replacement of existing facilities in the same location using “like-for-like” technology, or where this is not available, appropriate contemporary technology;</li> <li>d) the provision of external lighting, signage and waste receptacles; and</li> <li>e) minor maintenance repairs or works (as defined).</li> </ul>			<p>P27 during the reporting period. The flooring was coated with a clear poly/oil finish. The paint colour was approved by NHS’s Heritage Advisor. The works were undertaken in accordance with the provisions of the relevant Site Wide Plans.</p> <p>No other works were completed during the reporting period</p>	
39	<p>Prior to works commencing, the co-proponents shall notify the Environmental Manager and provide evidence that the necessary approvals have been obtained in accordance with</p>	Operation	NHS	<p>The North Head Sydney Project Manager refers all proposed works and approvals to the NPWS Environmental Manager.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	the NPWS Construction Assessment and Approvals Procedure.				
<b>NSW Heritage Council Approvals</b>					
40	Prior to any construction works commencing, the co-proponents shall submit the detailed design and working drawings for the project to the NSW Heritage Council for approval	Operation	NHS	No construction works during the reporting period.	Not Triggered
<b>Wharf</b>					
41	If necessary, a separate application and approval under Part 5 of the EP&A Act 1979 and other relevant legislation will be required for: <ul style="list-style-type: none"> <li>a) upgrade works to the wharf, including any works that require excavation or disturbance of the seabed. This excludes use by the proposed ferry service, lighting, works identified in the PAS and minor maintenance repairs or works (as defined) that do not impact on the seabed and; and/or</li> </ul>	Operation	NHS	There has been no upgrade works or provision of ferry services during the reporting period requiring approval	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	b) provision of additional ferry services or watercraft access to the Quarantine Station.				
42	<p>Prior to commencement of any work on or associated with the Quarantine Station wharf, or the commencement of the ferry service at the wharf, the co-proponents shall lodge an Application for Construction of Waterside Structures to the Waterways Authority for approval. This application must be submitted to the Heritage Advisor for endorsement prior to lodgement with the Waterways Authority. The application shall be accompanied by the information and comply with the requirements specified in Schedule 4. Prior to determining the application, the Waterways Authority shall consult with NSW Fisheries.</p> <p><i>Note: Waterways Authority is now Transport for NSW.</i></p>	Operation	NHS	There has been no upgrade works or provision of ferry services during the reporting period requiring approval	Not Triggered
<b>Access To Store Beach</b>					
43	A separate application and approval under Part 5 of the EP&A Act 1979, and other relevant legislation, will be required for the provision of independent access to Store Beach, or	Operation	Joint	No works were undertaken regarding access to Store Beach during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	any works associated with the upgrading of the existing access track or construction of any new tracks to Store Beach.				
<b>Operating Certificate</b>					
44	<p>The co-proponents shall apply to the DEC for an Operating Certificate (as defined), prior to the commencement of operation of the following facilities:</p> <ul style="list-style-type: none"> <li>a) therapeutic health facility (P5);</li> <li>b) educational facilities;</li> <li>c) restaurant, food service and beverage facilities;</li> <li>d) accommodation facilities; and</li> <li>e) the ferry service.</li> </ul>	Construction	Mawland	<p>The Operating Certificate for:</p> <ul style="list-style-type: none"> <li>• Accommodation was issued by DEC on 18 March 2008</li> <li>• Ferry service was issued on 17 December 2010</li> <li>• Food and Beverage 19 January 2011</li> </ul>	Compliant
<b>Archival Recording</b>					
45	<p>Archival recording shall be carried out at two stages:</p> <ul style="list-style-type: none"> <li>a) <b>prior to any adaptation work commencing on a building, historic item (including infrastructure) or cultural landscape element</b> - the archival recording shall be submitted to and endorsed by</li> </ul>	Construction	Mawland	<p>Archival Recording, prior to and on completion of adaption work, was submitted to the Heritage Advisor and included in the applications for construction works and Compliance certificate by the previous lessee of the site</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>the Heritage Advisor prior to works commencing. This shall form part of the application for construction works where applicable; and</p> <p>b) <b>on completion of adaptation works</b> - the archival recording shall be submitted to the Heritage Advisor for endorsement. This shall form part of the application for a Compliance Certificate in accordance with the NPWS Construction Assessment and Approvals Procedure where applicable. Archival recording will also be required during the removal of any fabric on site that exposes significant fabric/detail.</p>				
46	<p>The form of archival recording required is:</p> <p>a) <b>archival record prior to commencement of adaptation works</b> - the archival record shall meet the minimum standards for recording outlined in the Archaeological Management Plan. It shall include measured drawings of all buildings and</p>	Construction	Mawland	The archival recording required prior to the commencement of adaption works and prepared by the previous lessee of the site met the minimum standards and the recording for completed adaption works comprised the 'as built' drawings.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>structures and photographic recording; and</p> <p>b) <b>archival record for completed adaptation works</b> – the archival record shall comprise “as-built” drawings of all buildings and structures that have been the subject of adaptation works indicating the location and detail of changes.</p>				
47	Measured drawings shall be prepared in accordance with the NSW Heritage Office guidelines ‘How to prepare archival records of heritage items’.	Construction	Mawland	Measured drawings were prepared in accordance with the guidelines by the previous lessee of the site	Compliant
48	Photographic records shall be prepared in accordance with the NSW Heritage Office ‘Guidelines for photographic recording of heritage sites, buildings, structures and movable items’.	Construction	Mawland	Photographic records were prepared in accordance with the guidelines by the previous lessee of the site	Compliant
49	A copy of the archival record shall be lodged with DEC and the NSW Heritage Office.	Construction	Mawland	A copy of the archival record was lodged by the previous lessee of the site	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>Emergency Works</b>					
50	Notwithstanding any other conditions of this approval, in the event that emergency works are required to be undertaken, the co-proponents shall take all reasonable steps to ensure that these occur as expeditiously as possible. Emergency works are works of a temporary and reversible nature which are urgently required to arrest an imminent threat to life, safety, public liability, and/or threat to the fabric or property.	Operation	NHS	No Emergency Works were undertaken within the reporting period.	Not Triggered
51	Where the co-proponents consider it is necessary to undertake emergency works, notification shall be given to the Heritage Council and the NPWS as soon as possible and direction sought on further procedures to be implemented.	Operation	NHS	No Emergency Works were undertaken within the reporting period.	Not Triggered
<b>ENVIRONMENTAL MANAGER</b>					
52	Prior to the commencement of construction works the co-proponents shall appoint a suitably qualified Environmental Manager (EM). The appointment of the EM shall be subject	Operation	NPWS	There were no construction works during the reporting period.	Non-Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>to the approval of the DEC and DIPNR. The co-proponents shall provide to the DEC and DIPNR the following information:</p> <ul style="list-style-type: none"> <li>a) the qualifications and experience of the EM;</li> <li>b) the roles and responsibilities of the EM; and</li> <li>c) the authority and independence of the EM</li> </ul> <p>The EM shall be engaged for the duration of the approval</p>			<p>Environmental Manager duties covered by Environmental Liaison Role in 2022:</p> <p>Rebecca Yit from 1 January 2022 to 11 May 2022</p> <p>Rose Porter from 11 July 2022 to 31 December 2022.</p> <p>This position reports to Chad Weston, Area Manager who covered this position from 11 May to 11 July</p> <p>EM position has not been approved by DPE Planning.</p> <p>NPWS will seek Environment Manager position approval with the Department of Planning in 2023.</p>	
53	<p>The EM shall</p> <ul style="list-style-type: none"> <li>a) undertake the specific actions identified in the conditions of approval;</li> <li>b) oversee the undertaking of the activity in accordance with the conditions of approval;</li> <li>c) contribute to the development, and oversee the implementation</li> </ul>	Operation	NPWS	<p>Noted.</p> <p>The EM was not required to oversee any construction works during the reporting period.</p> <p>There was no requirement to stop works for any unacceptable impacts during the reporting period.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>of, the EMP and the associated integrated monitoring and adaptive management system as it relates to environmental management;</p> <p>d) facilitate an environmental management module as part of an induction and training program for all persons involved with the construction works;</p> <p>e) for the first five years from the commencement date, provide six monthly (or as required) status reports to the DEC which shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>• progress in implementation of approval conditions as these relate to environmental management (this shall include monitoring programs)</li> <li>• complaints and responses to these</li> <li>• any breaches of conditions and response</li> <li>• compliance or other issues arising;</li> </ul>			<p>There was no requirement for the EM to advise any stakeholder of any major issues on site during the reporting period.</p>	

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>f) have the authority to stop work immediately if, in the view of the EM, an unacceptable impact is likely to occur as a result of the undertaking of the activity, or to require other reasonable steps to be taken to avoid or minimise any adverse impacts;</li> <li>g) be available during construction activities at the site and be present on-site during any critical construction activities as defined in the EMP; and</li> <li>h) immediately advise the co-proponents, DEC, DIPNR, the Heritage Council and/or the Waterways Authority (depending on the issue involved) of any major issues resulting from the undertaking of the activity that have not been dealt with expediently or adequately by the co-proponents.</li> </ul>				

*Note: Waterways Authority is now Transport for NSW.*

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>HERITAGE ADVISOR</b>					
54	<p>Prior to the intended commencement of construction works the co-proponents shall appoint a suitably qualified Heritage Advisor. The appointment of the Heritage Advisor shall be subject to the approval of the DEC and the Heritage Council. The co-proponents shall provide to the DEC and the Heritage Council the following information prior to any appointment being made:</p> <ul style="list-style-type: none"> <li>a) the qualifications and experience of the Heritage Advisor;</li> <li>b) the roles and responsibilities of the Heritage Advisor;</li> <li>c) the authority and independence of the Heritage Advisor.</li> </ul> <p>The appointment of the Heritage Advisor shall be for a period agreed to by the Heritage Council and DEC. The Heritage Council and the DEC shall review the functioning of the Heritage Advisor upon receipt of the six monthly status reports [condition 55) d)].</p>	Operation	NHS	There were no construction works during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
55	<p>The Heritage Advisor shall:</p> <p>a) assess applications for construction works with respect to heritage matters and provide advice to the NSW Heritage Council (condition 40) and DEC. This shall include, but not be limited to, ensuring that all plans and specifications submitted with applications for construction works are prepared in accordance with:</p> <ul style="list-style-type: none"> <li>• the conditions of approval</li> <li>• the requirements of any relevant site-wide plans and Precinct Plans</li> <li>• the QSCMP and DACMP, where applicable.</li> </ul>	Operation	NHS	There were no construction works during the reporting period.	Not Triggered
	<p>The Heritage Advisor shall also have responsibility for approving such applications, if the NSW Heritage Council delegates this function.</p> <p>b) review all site-wide plans prior to lodgement with the relevant approval body to ensure that these are generally in</p>	Operation	NHS	NSW Heritage Council has not delegated this function.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	accordance with the QSCMP and DACMP;				
	c) undertake regular inspections of works in progress and, where appropriate or as specified by the DACMP, either directly supervise works or require the co-proponents to appoint a suitably qualified person to supervise works;	Operation	NHS	There were no construction works during the reporting period.	Not Triggered
	d) for the first three years from the commencement date, provide status reports to the Heritage Council and DEC every six months or as required which shall include, but not be limited to: <ul style="list-style-type: none"> <li>• applications for construction works approved and works undertaken to date</li> <li>• the next 3-6 months schedule of works</li> <li>• compliance or other issues arising; and</li> </ul>	Construction	Mawland	The Heritage Advisors have participated and supervised all construction works (where required) including applications for Section 60 approvals, inspections, preparation of plans.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	e) have the authority to stop work immediately if, in the view of the Heritage Adviser, an unacceptable impact is likely to occur, or to require other reasonable steps to be taken to avoid or minimise any adverse impacts with respect to those matters for which a construction application is required or where maintenance work is being conducted	Operation	NHS	There were no construction works during the reporting period.	Not Triggered

**COMMUNITY CONSULTATION**

**Quarantine Station Community Committee**

56	Within three months from the commencement date the co-proponents shall establish a Quarantine Station Community Committee (QSCCC). The QSCCC may be established as a subcommittee of the NPWS Sydney Region Advisory Committee or as a full Advisory Committee under the NPW Act, or some other suitable arrangement approved by the DEC. The QSCCC shall report to the DEC.	Operation	Joint	The QSCCC was established as required by the conditions of approval. The committee has met every three [3] months, except one scheduled meeting during Covid-19 lockdown, since commencement of the activity.	Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
57	The QSCCC shall be chaired by an independent chairperson approved by the DEC and DIPNR and comprise representatives with relevant expertise and experience from appropriate community interest groups, Aboriginal communities and local government. Representatives from relevant government agencies or other individuals may be invited to attend meetings by the Chairperson.	Operation	Joint	<p>Sandy Hoy is the independent chairperson of the QSCCC appointed by the Department of Planning.</p> <p>The committee also comprises community representatives, a local government representative, a NPWS representative and a representative from NHS.</p>	Compliant
58	<p>The general functions of the QSCCC shall include:</p> <p>a) provide comment and recommendations to the co-proponents on proposals or relevant matters including the development and implementation of site-wide plans (as defined), the integrated monitoring program, annual environmental reports, comprehensive audit reports and compliance with the conditions of this approval; and</p>	Operation	Joint	<p>Comments and recommendations from the QSCCC to the co-proponents can be found in the minutes of the committee located at</p> <p><a href="http://www.environment.nsw.gov.au/about-us/who-we-are/advisory-committees/quarantine-station-community-consultative-committee">www.environment.nsw.gov.au/about-us/who-we-are/advisory-committees/quarantine-station-community-consultative-committee</a></p> <p>and</p> <p><a href="http://www.qstation.com.au/ourstory">www.qstation.com.au/ourstory</a></p>	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	b) provide a communication channel between the community, the co-proponents and the determining and approval authorities on matters relating to the Quarantine Station. The conditions of approval also include other specific functions of the QSCCC			<a href="http://www.environment.nsw.gov.au/about-us/who-we-are/advisory-committees/quarantine-station-community-consultative-committee">www.environment.nsw.gov.au/about-us/who-we-are/advisory-committees/quarantine-station-community-consultative-committee</a>	
59	The QSCCC shall meet at least quarterly during the first 3 years from the commencement date and thereafter on an as needs basis, as determined by the Committee. The Committee shall function for the duration of this approval. Minutes are to be taken for each Committee meeting.	Operation	Joint	<p>The committee has met every three [3] months, except one scheduled meeting during Covid-19 lockdown, since commencement of the activity.<a href="http://www.qstation.com.au/our">http://www.qstation.com.au/our</a></p> <p>Meeting minutes from the QSCCC can be found at: <a href="https://www.environment.nsw.gov.au/about-us/who-we-are/advisory-committees/quarantine-station-community-consultative-committee">https://www.environment.nsw.gov.au/about-us/who-we-are/advisory-committees/quarantine-station-community-consultative-committee</a></p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
				<p>4 meetings were held within the reporting period:</p> <ul style="list-style-type: none"> <li>• Meeting #75 on 9 February 2022</li> <li>• Meeting #76 on 11 May 2022</li> <li>• Meeting #77 on 10 August 2022</li> <li>• Meeting #78 on 9 November 2022</li> </ul>	
60	<p>The co-proponents shall:</p> <ol style="list-style-type: none"> <li>a) provide the Committee with regular information on the environmental performance and management of the activity;</li> <li>b) provide all relevant plans, including site-wide plans (as defined), to the Committee for comment prior to their approval by the relevant authority;</li> <li>c) ensure the Committee has reasonable access to the necessary plans and reports and</li> </ol>	Operation	Joint	<p>The co-proponents have complied with these conditions.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>is provided with sufficient time to carry out its functions;</p> <p>d) consider the recommendations and comments of the Committee and provide a response to the Committee;</p> <p>e) provide the Committee with access to sufficient resources to perform its functions, including: a meeting space; photocopying, phone and fax facilities; computer/printer and supervised access to the site;</p> <p>f) make any resolutions or decisions arising from Committee meetings available for public inspection within fourteen days of the Committee endorsing the written record of any such resolutions or decisions, or as otherwise agreed by the Committee; and</p> <p>g) shall, depending on the frequency of meetings and workload of the Committee, consider reimbursing community representatives for reasonable expenses associated with their work on the Committee</p>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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**CONTRACTORS**

**Environmental Management System**

61	Contractors engaged in the undertaking of the activity must be able to demonstrate a commitment to environmental management. Demonstration should be by way of commitment to a recognised Environmental Management System in accordance with NSW Government guidelines and/or a proven satisfactory environmental management performance record.	Operation	NHS	<p>A register of contractors working at Q Station during the reporting period is kept on site.</p> <p>NHS requires a commitment to EMP and PAS from all contractors prior to commencement of work.</p> <p>All contractors receive instructions from NHS project manager, the QStation maintenance supervisor and where necessary from the QStation Interpretation Officer prior to commencement of work on site</p>	Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>Appropriately Skilled Contractors and Consultants</b>					
62	<p>All works, including those works identified in the DACMP as requiring specialist expertise, shall be carried out by:</p> <p>a) <b>for construction works</b> - licensed, suitably qualified and, where appropriate, specialised tradespersons; and</p> <p>b) <b>for planning and assessment works</b> - suitably qualified and specialised staff, consultants and/or contractors.</p>	Operation	NHS	There were no construction works or planning and assessment works undertaken during the reporting period.	Not Triggered
63	<p>Prior to the commencement of works the co-proponents shall submit a list of appropriately qualified and/or experienced heritage specialists (particularly architects, landscape planners and builders) to the Heritage Council and DEC for approval. The list shall include at least 3 specialists in each relevant field where possible. All specialists contracted to work on-site shall be those identified as a preferred contractor, unless otherwise approved by the Heritage Council and DEC.</p>	Operation	NHS	There were no construction works undertaken during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
64	The co-proponents shall ensure that all contractors, sub-contractors and consultants working on the site are aware of the relevant conditions of approval for the activity and have been provided with sufficient training and awareness regarding the conservation values of the site.	Operation	NHS	<p>NPWS and NHS both have an induction process for contractors prior to commencement of works on site. Where a contractor is used for multiple works, the induction is updated a necessary. All relevant conditions of approval are discussed in the induction training.</p> <p>An induction register is kept by the General Manager or head contractor (where appropriate).</p>	Compliant
<b>Training For Contractors and Staff Working on Heritage site</b>					
65	<p>a) An induction and training program shall be developed by a suitably qualified person and provided to the following persons within 1 week of those persons commencing duties/works:</p> <ul style="list-style-type: none"> <li>All contractors and sub-contractors, who will be required to attend such a program through the provision of a clause in all contracts for on-site works: and</li> </ul>	Operation	Joint	<p>NPWS and NHS both have an induction process for contractors prior to commencement of works on site. Where a contractor is used for multiple works, the induction is updated as necessary. All relevant conditions of approval are discussed in the induction training.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>All staff employed on the site, including but no limited to shuttle bus drivers(s) and ferry crew, whether on a permanent, temporary, contract or casual basis. Staff working on the site for a period longer than 12 months must undertake a refresher program every year.</li> </ul> <p>The program shall include, but not be limited to, an environmental management module outlining the natural and cultural heritage significance or the site and procedures to be followed while working on site, and</p> <p>b) An education and awareness program shall be developed and provided by a suitably qualified person for companies providing services such as, but not limited to, coach and bus access, service delivery and other regular vehicle access to the site within one month of them accessing the site.</p>			<p>An induction register is kept by the General Manager or head contractor (where appropriate).</p> <p>There is no access to the site for any vehicles other than service delivery vehicles, NPWS vehicles and NHS vehicles. The drivers of such vehicles are instructed and made aware of significance of the site.</p>	

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>INFORMATION MANAGEMENT AND DOCUMENTATION</b>					
<b>Information Management System</b>					
66	The co-proponents shall develop and implement a computer-based information management and Geographic Information System (GIS) for the site. The requirements of the State Records Act 1998 and other relevant legislation, standards and guidelines shall be taken into account in developing the system.	Operation	Joint	A computer-based information management system and GIS was not developed for the site. However, such a system is being developed and will be operational in 2023.	Non-Compliant
67	An outline of the system is to be submitted to the DEC for approval within 12 months of the commencement date. Implementation of the system must commence within 3 months of the date its approval.	Operation	Joint	A computer-based information management system and GIS was not developed for the site. However, such a system is being developed and will be submitted to DPE Planning for approval.	Non-Compliant
68	The primary role of the system shall be to document decision making by providing a record of all works and management actions taken, and provide current information on resources and assets at the site. The system must be	Operation	Joint	A computer-based information management system and GIS was not developed for the site.	Non-Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>regularly updated and record and reference a range of information, including but not limited to the following:</p> <ul style="list-style-type: none"> <li>a) all approvals issued for works;</li> <li>b) all works undertaken, including renovation, construction and regular maintenance works (date, what work, location etc);</li> <li>c) monitoring programs implemented;</li> <li>d) references to building plans, files, maps, design specifications and other documents;</li> <li>e) Conservation Works Program schedules, including a list of works (including regular maintenance works), priorities and when works are to be conducted (month/year);</li> <li>f) Moveable Heritage and Resources Plan (condition 85); and</li> <li>g) GIS data layers: <ul style="list-style-type: none"> <li>• location of lease boundary</li> <li>• locations of standing buildings, inscriptions, former fence lines and barriers, cultural landscape</li> </ul> </li> </ul>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>features and other historic structures, works and paths</p> <ul style="list-style-type: none"> <li>• archaeological information as per the requirements of the North Head Quarantine Station Archaeological Management Plan</li> <li>• locations of Aboriginal archaeological sites</li> <li>• locations of threatened flora species, Eastern Suburbs Banksia Scrub, and high-use foraging habitat for the Long-nosed Bandicoot</li> <li>• areas subject to bushfire hazard reduction and/or wildfires, including fire history</li> <li>• bush regeneration areas, including a history of works</li> <li>• locations of all existing and new site services and infrastructure</li> <li>• locations of all new works (including carparks, reconstructions, signs, lights, fences, paths)</li> <li>• data from monitoring programs, as relevant (eg. Longnosed</li> </ul>				


CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	Bandicoot and penguin mortalities).				
69	The co-proponents shall undertake a review of the information management and GIS system every five years after the commencement date for the duration of the activity. The review shall focus on the effectiveness of the system for managing data, and currency of information contained within the system, and be submitted to the DEC. The co-proponents shall comply with all reasonable requirements of the DEC with respect to the outcomes of the review.	Operation	Joint	The co-proponents will undertake a review of the approved system in 2023.	Non-compliant
<b>ABORIGINAL HERITAGE</b>					
70	The co-proponents shall prepare and implement an Aboriginal heritage management plan for the Quarantine Station in partnership with the relevant Aboriginal community group/s. the plan shall be submitted to the Heritage Council and DEC for approval within 12 months of the commencement date.  The plan shall provide a strategic framework for conserving and managing Aboriginal cultural heritage values and	Operation	NPWS with MLALC	A 'North Head Aboriginal Site Management Report' was prepared in 2008 by the Aboriginal Heritage Office.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	provide a schedule of conservation works. It must consider all Aboriginal cultural heritage values associated with the Quarantine Station site, including physical site, wild resource use, and social values in a traditional, historical and contemporary context.				
71	<p>The plan shall address, but not be limited to, the following matters:</p> <ul style="list-style-type: none"> <li>a) the identification of key stakeholders and their interest;</li> <li>b) the identification and documentation, as appropriate, of Aboriginal cultural values, taking into account values associated more broadly with North Head, and provide a statement of significance;</li> <li>c) document the results of an audit of all Aboriginal sites known to occur in the lease area. The audit shall: <ul style="list-style-type: none"> <li>• review and consolidate records from all previous investigations at the Quarantine Station</li> </ul> </li> </ul>	Operation	NPWS	A 'North Head Aboriginal Site Management Report' was prepared in 2008 by the Aboriginal Heritage Office.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>• record any previously unrecorded sites, and identify any site duplications</li> <li>• develop an Aboriginal site data layer for use on the Quarantine Station GIS database (access restrictions to data will be determined in consultation with the relevant Aboriginal community group/s);</li> <li>d) constraints and opportunities;</li> <li>e) conservation policy / objectives;</li> <li>f) strategies or actions;</li> <li>g) provide a schedule of conservation works required for Aboriginal sites within the lease area. The schedule should be based on the recent conservation assessment conducted by AMBS (2002) for the NPWS, and shall be incorporated into the Conservation Works Program (condition 78);</li> <li>h) management responsibilities, performance measures and monitoring procedures; and</li> </ul>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	i) liaise with DEC and use the information to update the NPWS Aboriginal Heritage Information Management System.				
72	The co-proponents shall undertake a review of the Aboriginal Heritage Management Plan every five years after the commencement date for the duration of the activity. The review shall be undertaken in consultation with the Heritage Council, DEC and relevant Aboriginal stakeholders. On the basis of the review the co-proponents shall, as necessary, prepare a revised Aboriginal Heritage Management Plan to be submitted to the Heritage Council and DEC for approval.	Operation	Joint	The Plan will be reviewed in 2023 in consultation with the Heritage Council, Heritage NSW, and relevant Aboriginal Stakeholders.	Not Compliant
73	Any conservation works for Aboriginal sites are to be undertaken in accordance with the plan and schedule of conservation works and in consultation with the relevant Aboriginal community group/s.	Operation	Joint	No conservation works undertaken during this reporting period.	Not Triggered
74	The co-proponents will, undertake on-going consultation with the relevant Aboriginal community groups on aspects of the proposal and operation of the site that relate to Aboriginal	Operation	Joint	During the reporting period there has been on-going consultation with the Aboriginal community and there have been events such as 'Back to Country' held in	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>heritage. These aspects shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) the development of protocols for Aboriginal community involvement in the management of Aboriginal heritage within the lease area;</li> <li>b) the development of educational material and tours interpreting Aboriginal heritage;</li> <li>c) opportunities for establishing a centre for Aboriginal cultural heritage on site;</li> <li>d) on-going evaluation of the Aboriginal cultural heritage values of the site (to include both new information on historical associations and emerging contemporary values of the place, such as wild resource use); and</li> <li>e) other relevant matters identified in consultations between the co-proponents and the Aboriginal communities. Relevant groups and individuals to be consulted shall be determined in consultation with the DEC.</li> </ul>			<p>June, and involvement in Q Station Open Days.</p> <p>Commercial relationships have been established with the Aboriginal community such as Aboriginal contractors undertaking conservations works on site and will be involved in the review of the Aboriginal Heritage Management Plan.</p> <p>Consultation is continuing with the Aboriginal community for the operation and North Head Sydney's future vision for the site that relates to Aboriginal Heritage.</p>	

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
75	There shall be no promotion of or public access to Aboriginal sites within the Quarantine Station unless endorsed by the relevant Aboriginal community group/s and the DEC.	Operation	Joint	There is no promotion of or public access to Aboriginal Sites within the Quarantine Station.	Compliant
76	<p>A fence shall be installed near the southwest end of Building A14-17 to limit public access to Cannae Point within twelve months of the commencement date. The location and design of the fence shall:</p> <ul style="list-style-type: none"> <li>a) be determined in consultation with the relevant Aboriginal community groups;</li> <li>b) take into account fencing requirements for the protection of Little Penguin habitat (see condition 174); and</li> <li>c) be designed in consultation with the DEC prior to the lodgement of an application for construction work.</li> </ul>	Operation	NHS	<p>This fence was completed in 2008 in accordance with this condition.</p> 	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>HISTORIC HERITAGE</b>					
<b>Conservation Works Program</b>					
77	<p>For the purposes of the following conditions of approval, conservation works are those works that are essential and necessary to retain the cultural significance of the place. This may include, but is not limited to:</p> <ul style="list-style-type: none"> <li>a) building, landscape and infrastructure works to the extent that these demonstrably contribute to the physical conservation of the site;</li> <li>b) curatorial work on inscriptions, archives, artefacts and moveable heritage;</li> <li>c) environmental management programs, such as erosion, weed and feral animal control;</li> <li>d) a portion of works to improve visitor access within the site (being basic works, such as disabled access ramps, that are considered essential to provide equitable access and to minimise visitor impacts); and</li> </ul>	Operation	NHS	Noted	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>e) a portion of works to improve visitor understanding of the significance of the place (being basic works, such as interpretive displays).</p> <p>It does not include:</p> <ul style="list-style-type: none"> <li>a) works associated with the planning, design and the physical reconstruction of buildings P21, P22, P23 and H1;</li> <li>b) assessment work or documentation undertaken as part of the preparation of the EIS or PAS, including design drawings;</li> <li>c) assessment work or documentation to be undertaken as part of the preparation of detailed design plans for proposed adaptation work; or</li> <li>d) works completed prior to the commencement date, with the exception of urgent works identified in the DACMP.</li> </ul>				
78	The co-proponents shall prepare and submit a final Conservation Works	Construction	Mawland	A Conservation Works Program was approved in 2006 by NPWS on 12 May 2006 and the	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>Program (CWP) to the Heritage Council and the DEC for approval as follows:</p> <p>a) Stage 1 of the CWP encompassing works required for all buildings, structures and landscape elements, including but not limited to those identified in the DACMP and the asbestos sampling and replacement strategy (condition 111), shall be prepared within six months of the commencement dates: and</p> <p>b) Stage 2 of the CWP encompassing all works identified for Aboriginal sites (Condition 70), the Moveable Heritage and Resources Plan (Condition 85), Heritage Landscape Master Plan (Condition 91), Inscriptions Plan (Condition 95), Interpretation Plan (Condition 100) and Infrastructure Control Plan (as relevant – Condition 105) shall be prepared and incorporated into the CWP as soon as practicable</p>			Heritage Council on 01 June 2006.	
79	For all heritage items covered by condition 78) above, the CWP shall	Construction	Mawland	A Conservation Works Program was approved in 2006 by NPWS	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>include, but not be limited to the following:</p> <ul style="list-style-type: none"> <li>a) identification of all conservation works and priorities at a site level. This should identify urgent works (0-1 year), medium term work (1-3 years) and long-term work (3-5 years);</li> <li>b) identification of all works relevant to ensuring public health and safety for each building or historic item (such as the removal and stabilisation of asbestos materials);</li> <li>c) identification of any issues requiring further assessment or research, an approach for addressing this, and a timeframe where appropriate;</li> <li>d) an outline of the methodology, materials and standards to be followed for all maintenance works; and</li> <li>e) identification of any on-going monitoring requirements.</li> </ul>			<p>on 12 May 2006 and the Heritage Council on 01 June 2006.</p>	
80	<p>Following the approval of Stage 1 of the CWP, the co-proponents shall undertake the urgent and medium term</p>	Construction	Mawland	<p>A Conservation Works Program was approved in 2006 by NPWS on 12 May 2006 and the</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	priority conservation works in accordance with the staging plan for the activity, as amended by condition 31).			Heritage Council on 01 June 2006.	
81	All conservation works, excluding minor maintenance repairs or works (as defined), shall be conducted in accordance with the Conservation Works Program.	Operation	NHS	Noted	Compliant
82	The co-proponents shall undertake a review of the CWP concurrent with or prior to the first comprehensive audit of the activity (condition 228), and thereafter on an annual basis as part of the overall annual environmental report (condition 221). An annual review is not required in the year that a comprehensive review of the CWP occurs (condition 83).  The review must be undertaken in consultation with the DEC and the Heritage Council, and include: <ul style="list-style-type: none"> <li>a) a list of conservation works implemented;</li> <li>b) the identification of any additional conservation works required to be undertaken. This must include specific</li> </ul>	Operation	NHS	A review of the CWP has not occurred since 2006.  A Conservation Works Program schedules will be included as part of the development computer-based information management system for annual review.  This will include a list of works (including regular maintenance works), priorities and when works are to be conducted (month/year);	Non - Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>consideration of the condition of all asbestos items and actions required to ensure that public health and safety standards are met ; and</p> <p>c) information on the amount spent on conservation works (including maintenance works) within the site annually, together with independent verification of expenditures provided by a quantity surveyor. The information should include a breakdown on costs and works undertaken.</p> <p>Advice must be sought from the relevant Aboriginal community group/s, an appropriately qualified and experienced conservation practitioner and other specialists as required in the review process.</p>				
83	<p>The co-proponents shall undertake a regular comprehensive review of the CWP concurrent with or prior to the ongoing (5 yearly) comprehensive audits of the activity (condition 228). The review shall be undertaken in consultation with the Heritage Council and the DEC. In addition to the matters</p>	Operation	Joint	The next Comprehensive Audit is not due until 2026.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	referred to above, the review shall include a re-assessment of the condition of each heritage item (historic and Aboriginal) and a reassessment of conservation priorities.				
84	On the basis of the comprehensive review and the outcomes of the comprehensive audit process (condition 226) the co-proponents shall, as necessary, prepare a revised CWP to be submitted to the DEC and the Heritage Council for approval.	Operation	NHS	The revised CWP will be submitted to DPE Planning following the next Comprehensive Audit.	Not Triggered
<b>Moveable Heritage and the Resource Collection</b>					
85	The co-proponents shall submit a Moveable Heritage and Resource Collection Plan within 12 months of the commencement date. The plan shall include all items of moveable heritage and items from the resource collection. The plan shall address the requirements of the State Records Act 1998 and other relevant legislation and be prepared by a suitably qualified person with demonstrated skills and experience in the management of archival collections.  The plan shall be reviewed by the Heritage Advisor and submitted to the	Operation	NPWS	A Moveable Heritage and Resource Collection Plan was prepared in 2007. The Plan was approved by National Parks and Wildlife Service on 20 April 2007, the Heritage Office on 10 August 2007.  The Moveable Heritage Collection Plan was revised and approved in 2021.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	DEC and the Heritage Council for approval. Implementation of the plan must commence within 3 months of its approval.				
86	<p>The plan shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) the documentation and recording of all moveable heritage and resource collection items, to be registered on a database system;</li> <li>b) a condition assessment of each moveable heritage item and, as appropriate, items in the resource collection and a prioritised schedule of conservation works required. This shall be incorporated into the Conservation Works Program (condition 78);</li> <li>c) collection management guidelines, including: <ul style="list-style-type: none"> <li>• a system for referencing and recording information for all items, with an ability to incorporate new information and/or items as it becomes available;</li> </ul> </li> </ul>	Operation	NPWS	Noted	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>• storage requirements for all items, including:                             <ul style="list-style-type: none"> <li>- consideration of whether items should be stored on or off-site.</li> <li>- conservation requirements for housing and storing items.</li> <li>- an approach to the documentation and storage of fabric and materials removed during construction and adaptation works. This should consider the requirements outlined in the DACMP; and</li> </ul> </li> <li>• a system and protocols for public access to items, and the loan of items outside the Quarantine Station;</li> </ul> <p>d) fabric and material sampling guidelines, with reference to the minimum requirements outlined of the Archaeological Management Plan; and</p> <p>e) identify and implement a system for cross-referencing the collections held by other</p>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	institutions (eg. State Records NSW and the National Archives of Australia) which relate to the Quarantine Station site				
87	No items of moveable heritage or items from the resource collection shall be used for display purposes or made available on loan outside the Quarantine Station until the Moveable Heritage and Resources Plan has been adopted	Operation	Joint	Noted	Compliant
88	The display, storage, loan and public access of moveable heritage must be undertaken in accordance with the Moveable Heritage and Resources Plan	Operation	Joint	Noted	Compliant
89	The co-proponents shall undertake a review of the Moveable Heritage and Resources Plan every five years after the commencement date for the duration of the activity. On the basis of the review the co-proponents shall, as necessary, prepare a revised Moveable Heritage and Resources Plan to be submitted to the DEC and Heritage Council for approval.	Operation	NPWS	The review of the Moveable Heritage and Resources Plan has been completed. This plan was updated in 2021 and approved NSW Heritage.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>Heritage Landscape Master Plan</b>					
90	The cultural landscape will be conserved, managed and interpreted primarily to reflect its 1958-84 form (the Aviation phase). The interpretation of earlier landscape conditions is appropriate providing there is demonstrated compliance with the policies in the QSCMP, DACMP and Interpretation Plan (condition 100) or a clear justification for any proposed variances.	Operation	NHS	Noted. The cultural landscape is conserved, managed and interpreted in accordance with the Heritage Landscape Plan 2005.	Compliant
91	The co-proponents shall engage a qualified horticulturist, arborist and heritage landscape specialist to prepare a site wide Heritage Landscape Master Plan within 18 months of the commencement date. The plan shall be reviewed by the Heritage Advisor and submitted to the DEC and Heritage Council for approval.	Construction	Mawland	The Heritage Landscape Management Plan was prepared by Thompson Berrill Landscape Design Pty Ltd in August 2005. The plan was approved by National Parks and Wildlife Service the Heritage Office on 15 September 2006.	Compliant
92	The Plan must address, but not be limited to: a) objectives for the management of the cultural landscape, including geology and soils, cultural plantings, bushland,	Construction	Mawland	The Heritage Landscape Management Plan addresses and includes the items referenced in this condition.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>paths and edgings, fences and walls, cemeteries, grave markers, and former landscape features;</p> <p>b) an assessment of the condition of existing cultural plantings (including grassed areas), walls, fences, stormwater drains, paths and edgings, and identification of areas of soil erosion and contamination;</p> <p>c) a prioritised schedule of conservation and/or remediation works to be incorporated into the Conservation Works Program (condition 78);</p> <p>d) proposed changes to the existing landscape, to be supported by research where necessary;</p> <p>e) proposed management protocols, practices and maintenance works for all landscape features. This should include, but not be limited to:</p> <ul style="list-style-type: none"> <li>• stabilisation of eroded areas</li> <li>• drainage, irrigation and use of fertilisers</li> </ul>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>• treatment of lawn edges and bushland/lawn interfaces, including natural regenerated areas where these have encroached on significant historic sites</li> <li>• monitoring and treatment of trees</li> <li>• species list and guidelines for cultural plantings, including a re-planting strategy</li> <li>• the introduction of new plant or organic materials</li> <li>• materials and construction techniques to be used in landscaping works.</li> </ul> <p>f) a bush regeneration program (as defined);</p> <p>g) identify general areas where the planting of new vegetation to provide small-scale shelter habitat for Long-nosed Bandicoots could occur without significant impact on the cultural landscape (condition 165);</p> <p>h) monitoring requirements; and</p>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>i) consider the following specific issues:</p> <ul style="list-style-type: none"> <li>• <b>First Class Precinct Plan</b> – options for re-instatement of the covered walkway from Building P6 to Building P5, as required by the DACMP, and potential impacts associated with these;</li> <li>• <b>Third Class / Asiatic Precinct</b> – options for reinstatement of selected former access paths within the precinct as an interpretive tool;</li> <li>• <b>Entry area at Building A2 (refer Schedule 3)</b> – identify appropriate design outcomes for the entry area at Building A2 and consider options such as a courtyard or reversible deck, to balance the new uses for this area with the unadorned nature of the Quarantine Station landscape and the historical and archaeological context of the location; and</li> </ul>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>• <b>Second Cemetery</b> – identify options for formalising access to and within the Second Cemetery, including options for a single stabilised path or constructed walkway. Consideration should be given to: design and materials; and potential environmental impacts and mitigative strategies.</li> </ul>				
93	<p>All landscape works, excluding minor maintenance works (as defined), are to be undertaken in accordance with the adopted Heritage Landscape Master Plan, with the following exceptions:</p> <ol style="list-style-type: none"> <li>a) <b>car park construction</b> – where an application for</li> <li>b) construction works is approved prior to the adoption of the Plan; and</li> <li>c) <b>the establishment of a stabilised path or walkway in the Second Cemetery (condition 92)</b> – where an application for construction works is approved prior to the adoption of the Plan</li> </ol>	Operation	Joint	There were no landscaping works undertaken during this reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
94	The co-proponents shall undertake a review of the Heritage Landscape Master Plan every five years after the commencement date for the duration of the activity. The review shall be undertaken with advice from a heritage landscape specialist and other relevant specialists. On the basis of the review the co-proponents shall, as necessary, prepare a revised Heritage Landscape Master Plan to be submitted to the DEC and the Heritage Council for approval.	Operation	NHS	The Heritage Landscape Master Plan is included in the current review of all Site Wide Plans.	Non-Compliant
<b>Inscriptions / Engravings</b>					
95	The co-proponents shall engage an appropriately qualified and experienced conservation specialist in rock art or stone conservator to prepare an Inscriptions Management Plan within 18 months of the commencement date. The plan shall be reviewed by the Heritage Advisor and submitted to DEC and the Heritage Council for approval.  The plan will cover the engravings, inscriptions, pit cover engravings and wall inscriptions together with options for managing public access such as fencing and re-alignment of the lower	Operation	NHS	An Inscription Management Plan was prepared as Appendix C of the Heritage Landscape Management Plan (May 2006).	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>walkway from the Hospital to Wharf Precincts. The plan shall:</p> <ul style="list-style-type: none"> <li>a) provide a brief description of the location, significance and condition of all engravings and inscriptions within the site;</li> <li>b) identify the need for further recording or documentation of engravings and inscriptions;</li> <li>c) outline objectives and strategies for the management of the engravings and inscriptions. In identifying management options, an assessment of potential environmental impacts of works must be undertaken and incorporated into the document. At a minimum, this must address all works requiring direct contact with the surface of inscriptions and engravings, such as cleaning, graffiti removal, taking of moulds and repainting;</li> <li>d) provide a prioritised schedule of works, including conservation works and a maintenance program, as required, to be incorporated into the</li> </ul>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>Conservation Works Program (condition 78); and</p> <p>e) develop an on-going monitoring program to assess the condition of engravings and inscriptions.</p>				
96	<p>The co-proponents shall undertake a review of the Inscriptions Management Plan every five years after the commencement date for the duration of the activity. The review shall be undertaken with advice from relevant specialists. On the basis of the review the co-proponents shall, as necessary, prepare a revised Inscriptions Management Plan to be submitted to the DEC and the Heritage Council for approval.</p>	Operation	NHS	The Inscriptions Management Plan is included in the current review of all Site Wide Plans.	Non-Compliant
97	<p>No works shall be undertaken on, or in respect to the inscriptions or engravings prior to the adoption of the Inscriptions Management Plan. Any interim arrangements to manage access to the inscriptions for interpretive purposes must be approved by the DEC and the Heritage Council.</p>	Operation	Joint	No works have been undertaken during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
98	All conservation works on the engravings and inscriptions shall be undertaken by an appropriately qualified and experienced conservation specialist. For the rock engravings, this means a qualified and experienced rock art or stone conservator	Operation	Joint	No conservation works have been undertaken during the reporting period.	Not Triggered
<b>Internal Fitout</b>					
99	The co-proponents shall engage a suitably qualified and experienced person to prepare a site wide plan for internal building fitout within 12 months of the commencement date. The plan shall be reviewed by the Heritage Advisor and submitted to DEC and the Heritage Council for approval. All internal fittings installed across the site must be consistent with the adopted plan.  The Plan shall: a) outline the specifications and style of all new plumbing, telecommunication and electrical fittings, and floor coverings to be installed across the site. It must include taps, spouts, shower heads, basins, baths, toilets,	Construction	Mawland	An Internal Fit Out Plan was approved by the Heritage Office on 13 June 2005 and NPWS on 25 January 2006.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>electrical fittings, carpets and floor tiling, etc, and demonstrate consistency with the relevant policies of the DACMP; and</p> <p>b) outline an approach to sampling of bathroom and toilet fitouts across the site from the 1958-62 period, taking into account the relevant policies of the DACMP.</p>				
<b>Archaeology</b>					
99A	<p>a) An Excavation Permit must be obtained before the commencement on site of any works involving potential disturbance of relics. An archaeologist (Excavation Director) approved by the Heritage Council must be appointed to undertake all archaeological work.</p> <p>b) The research design outlined in the Quarantine Station Detailed Area Conservation Management Plan (QSDACMP) must form the basis for interpretation of archaeological deposits and relics.</p>	Operation	NHS	No excavation or archaeological works was undertaken during the reporting period that involved the potential disturbance of any relics.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>c) Provision must be made in a public area of the Quarantine Station site to display relics or other historical or research material relevant to the historical development of the site. This display must be integrated with the Interpretation Plan.</li> <li>d) Should substantial intact archaeological deposits or features not identified in the Archaeological Assessment be discovered, work must cease in the affected area(s) and the Heritage Office contacted for advice. Additional assessment and approval may be required prior to works continuing in the affected area(s) based on the nature of the discovery.</li> <li>e) The archaeologist must remain present during the course of all excavation works in the archaeologically sensitive areas of the proposed development.</li> <li>f) The archaeologist must be allowed access to archaeological deposits at all times during mechanical excavation and mechanical excavation must</li> </ul>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>cease at the request of the archaeologist, to allow for investigation of archaeological remains.</p> <p>g) Opportunities for public visitation to the site will be provided during the program of archaeological works and, where appropriate, community and student volunteers will be invited to participate in field work.</p> <p>h) The excavation permit will be valid only while the approved excavation is being carried out under the direction of the nominated Excavation Director</p> <p>i) The Excavation Director must carry out the excavation in accordance with the approved research design and methodology. Any substantial deviations from the approved research design (including extent and techniques of excavations) must be approved by the Director, Heritage Office.</p> <p>j) The Excavation Director must take adequate steps to record relics, structures and features</p>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>discovered on the site during the excavation in accordance with current best practice guidelines and the approved research design.</p>				
	<p>k) The co-proponents must endeavour to ensure that the unexcavated artefacts, structures and features are not subject to deterioration, damage or destruction.</p>				
	<p>l) The co-proponents shall be responsible for the safe-keeping of all relics recovered from the site.</p>				
	<p>m) The Excavation Director shall be responsible for ensuring that the artefacts are cleaned, stabilised, identified, labelled, catalogued and stored in a way that allows them to be retrieved according to both type and provenance.</p>				
	<p>n) The Heritage Council and the Heritage Office reserve the right to inspect the site and records at all times and access any relics recovered from the site.</p>				
	<p>o) The co-proponents shall prepare a final report on the excavation,</p>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>to publication standard, within one year of the conclusion of the project unless an extension of time is approved by the Heritage Council. Two copies of this report must be submitted to the Heritage Office. A further copy must be retained on site as part of the interpretive collection.</p>				
	<p>p) The final report shall include:</p> <ul style="list-style-type: none"> <li>• an executive summary;</li> <li>• due credit on the title page to the co-proponents paying for the excavation;</li> <li>• an accurate site location and site plan;</li> <li>• historical research, references, and bibliography;</li> <li>• detailed information on the excavation including the aim, the context for the excavation, procedures, analysis, treatment of artefacts (cleaning, conserving, sorting, cataloguing, labelling, scale drawings, photographs, repository);</li> </ul>				



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>• nominated repository for the items;</li> <li>• detailed response to research questions; and</li> <li>• details of how this information about this excavation has</li> <li>• been publicly disseminated.</li> </ul> <p>q) Should any Aboriginal relics be uncovered, or excavation or disturbance of the area occur, work is to stop immediately and the National Parks and Wildlife Service is to be informed in accordance with the NPW Act 1974.</p>				

## INTERPRETATION

### Interpretation Plan

100	Prior to the commencement of any new interpretive activities or educational tours on the site, the co-proponents shall submit a final Interpretation Plan to the DEC and the Heritage Council for approval. The Interpretation Plan must be prepared by a suitably qualified and experienced interpretive planner in	Operation	NHS	<p>The Interpretation plan was prepared and approved by DEC in 2005 for the site.</p> <p><a href="https://www.environment.nsw.gov.au/-/media/OEH/Corporate-Site/Documents/Parks-reserves-and-protected-areas/Parks-plans-of-management-other-">https://www.environment.nsw.gov.au/-/media/OEH/Corporate-Site/Documents/Parks-reserves-and-protected-areas/Parks-plans-of-management-other-</a></p>	Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>accordance with the policies and objectives outlined in the QSCMP and DACMP. The plan must detail the approach to presenting the significance of the place and address the following matters:</p> <ul style="list-style-type: none"> <li>a) the interpretation objectives and principles for the site and the proposal;</li> <li>b) a targeted analysis of the significance of the place and the primary and secondary interpretation themes and messages for the site;</li> <li>c) identify the key target audiences for interpretation;</li> <li>d) identify the preferred options for delivery of interpretive programs (eg. signage, guided tours, publications, Internet, etc); and</li> <li>e) detail methods for monitoring and evaluating the implementation of the Plan.</li> </ul>			<p><a href="#">documents/quarantine-station-interpretation-plan.pdf</a></p>	
101	<p>The Interpretation Plan shall also address the following site-specific matters:</p> <ul style="list-style-type: none"> <li>a) the provision of interpretive material in the proposed visitor</li> </ul>	Operation	NHS	<p>The Interpretation plan addresses and includes the site specific matters as required under this condition.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>centre (Buildings A14-17) that allows all visitors to the site to gain an understanding of the context, significance and history of the Quarantine Station;</p> <p>b) opportunities for the establishment of theme museums or displays across the Quarantine Station site;</p> <p>c) interpretation of the full length of the former Funicular route;</p> <p>d) interpretation of Buildings P17, A18 ,A24 and S6;</p> <p>e) interpretation of earlier landscape conditions (refer condition 90); and</p> <p>f) controlled tour access to the internal areas of accommodation buildings. This includes access to the Dining Room area in Building P5 when this room is not otherwise in use for function-based dining;</p>				
102	All interpretive activities on the Quarantine Station shall be undertaken in accordance with the approved Interpretation Plan.	Operation	Joint	All activities were undertaken in accordance with the Interpretation Plan.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
103	<p>The co-proponents shall undertake a review of the Interpretation Plan every five years after the commencement date for the duration of the activity. The review shall be undertaken by a suitably qualified and experienced interpretive planner, in consultation with the Heritage Council. The review shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) the range of interpretive programs being offered at the Quarantine Station. This shall include a review of the content, methods of delivery and consideration of contemporary best practice in interpretation;</li> <li>b) consider relevant results of the visitor monitoring program and adaptive management responses;</li> <li>c) consider the provisions of any current endorsed conservation management plan for the site; and</li> <li>d) provide recommendations for any revisions to the Interpretation Plan.</li> </ul>	Operation	Joint	The Interpretation Plan is included in the current review of all Site Wide Plans.	Non - Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	On the basis of the review the co-proponents shall, as necessary, prepare a revised Interpretation Plan to be submitted to the DEC for approval.				
<b>INFRASTRUCTURE</b>					
<b>Further Approvals</b>					
104	A separate application and approval under Part 5 of the EP&A Act 1979 and other relevant legislation will be required for any amplification of the existing water supply and sewerage system. This does not include on-site works identified for the upgrading of the fire hydrant system or the installation of water tanks in the area adjoining the Lower Reservoir.	Operation	NHS	No applications have been made under Part 5 of the EP&A Act 1979 during this reporting period.	Not Triggered
<b>Infrastructure Control Plan</b>					
105	The co-proponents shall prepare a site-wide Infrastructure Control Plan to be submitted within 12 months of the commencement date. The plan shall be prepared in consultation with NSW Fisheries, Environment Protection Authority, Sydney Water, Energy Australia and other relevant authorities.	Construction	Mawland	The Infrastructure Control Plan was approved by National Parks and Wildlife Services on 05 November 200	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	With the exception of the matters detailed in condition 106) c), the plan shall be reviewed by the Heritage Advisor and submitted to DEC and the Heritage Council for approval.				
106	<p>The plan shall address, but not be limited to, the following:</p> <ul style="list-style-type: none"> <li>a) an assessment of the location, current capacity and condition of the water supply and sewerage system;</li> <li>b) an assessment of the current condition of the internal roads;</li> <li>c) minimum design standards for internal roads, including the location and design principles for all proposed road infrastructure, including road surfaces, edges, speed humps and signs. These shall take into account all relevant industry standards and codes, as well as the historic heritage value of the roads.</li> <li>d) Notwithstanding the provisions of condition 105) or condition 112), within 6 months of the commencement date the co-proponents shall submit for</li> </ul>	Construction	Mawland	The Infrastructure Control Plan was approved by National Parks and Wildlife Services on 05 November 2008 and includes the information required of this condition.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>approval of the DEC sufficient information regarding the minimum design standards to enable compliance with conditions 145)-146) and 148);</p> <p>e) provide a scaled map and GIS data layer (condition 66) showing the location and route of all water, sewerage, stormwater, power, telecommunications, roads and any related infrastructure across the site, both existing and disused services. It shall identify materials and likely period of installation, and be linked to a list of upgrade specifications for each infrastructure component;</p> <p>f) provide a schedule and map indicating the location of all significant services to be retained and conserved, as per the requirements of the DACMP;</p> <p>g) a schedule of repair and maintenance works and new works proposed including a prioritisation of works and timeframes. Priority should be given to the identification of any works needed to upgrade or</p>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>replace the fire hydrant system. The principle of common trenching of services should be adopted for all new works proposed;</p> <p>h) identify strategies to improve stormwater management, including:</p> <ul style="list-style-type: none"> <li>• opportunities for reducing stormwater discharge from the site, including options for redirecting stormwater discharge away from Quarantine Beach</li> <li>• an assessment of works required to secure the stormwater outlet at Quarantine Beach to minimise public safety risk</li> <li>• assess the need to install a flow dissipator into the stormwater outlet at Quarantine Beach. Any design shall must not inhibit fish passage</li> <li>• assess the need to install gross pollutant traps at or near stormwater discharge outlet/s and car-parks;</li> </ul>				



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>• a monitoring program to allow an on-going assessment of the consumption and capacity of the water supply and sewerage systems. This shall include the identification of triggers for system upgrades; and</li> <li>i) an emergency strategy for utility infrastructure failures or malfunctions, to include sewerage system overloads and overflows, power failures and water supply.</li> </ul>				
107	All infrastructure maintenance and upgrade works, excluding minor maintenance repairs or works (as defined) and priority traffic calming measures (conditions 145)-146), shall be undertaken in accordance with the adopted Infrastructure Control Plan.	Operation	NHS	All infrastructure and maintenance works are undertaken in accordance with the Infrastructure Control Plan (ICP).	Compliant
108	All investigative techniques employed in preparing the Infrastructure Control Plan shall be non-destructive and non-polluting (as defined) and comply with the relevant industry guidelines and standards. Approval from the DEC and	Operation	NHS	All techniques employed in the preparation of the ICP was non-destructive and non-polluting and comply with the relevant industry guidelines and standards.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	other relevant authorities will be required for any techniques that will or may have an environmental impact.				
109	The co-proponents shall undertake a review of the Infrastructure Control Plan every five years after the commencement date for the duration of the activity. The review shall be undertaken in consultation with those agencies listed in condition 105) above, relevant public authorities and infrastructure providers. On the basis of the review the co-proponents shall, as necessary, prepare a revised Infrastructure Control Plan to be submitted to the DEC for approval.	Operation	NHS	The Infrastructure Control Plan is included in the current review of all Site Wide Plans.	Non - Compliant
<b>Work Sites</b>					
110	Any works requiring the excavation or trenching of areas shall be staged so that the extent of excavation or trenching does not exceed 50 metres at any one time. Any such works shall also be undertaken in accordance with condition 159).	Operation	NHS	No excavation or trenching works were undertaken during the reporting period.	Not Triggered
<b>Asbestos And Rainwater System</b>					

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
111	<p>The co-proponents shall prepare and implement a sampling and replacement strategy for the AC rainwater system and AC vinyl tiles on the site in accordance with the policies outlined in the DACMP. The strategy shall be reviewed by the Heritage Advisor and submitted to the DEC and the Heritage Council for approval.</p> <p>The strategy shall include a prioritised schedule of replacement works, to be incorporated into the Conservation Works Program (condition 78).</p>	Construction	Mawland	<p>There is no replacement strategy for the AC Rainwater System and AC Vinyl Tiles at this stage as treatment and the items remaining in situ has shown to be the safest option.</p> <p>An asbestos register is maintained for the Q Station site and updated regularly.</p>	Compliant
<b>Outdoor Visitor Infrastructure</b>					
112	<p>The co-proponents shall prepare a site-wide-plan for outdoor visitor infrastructure prior to the installation of any outdoor visitor infrastructure. The plan shall be reviewed by the Heritage Advisor and submitted to the DEC and the Heritage Council for approval. The plan shall demonstrate consistency with other relevant site-wide plans such as the Interpretation Plan and Heritage Landscape Master Plan, and address, but not be limited to:</p>	Construction	Mawland	<p>The Visitor Management Plan was approved by National Parks and Wildlife Division on 13 July 2005 and DIPNR on 10 August 2005.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>a) the proposed location, design and materials of the external lighting system, to include any emergency lighting. Lighting should have regard to the following principles:</p> <ul style="list-style-type: none"> <li>• the avoidance of light spill in areas of high-use Long-nosed Bandicoot foraging habitat (as identified in Illustration 15 of the DACMP or the revised habitat assessment – condition 165) and Little Penguin habitat</li> <li>• the use of lights in the red-orange spectral range in the Wharf Precinct</li> <li>• minimising light spill across the site and outside of the site</li> </ul> <p>b) the proposed location and design of waste receptacles, including fauna-proof bins;</p> <p>c) the proposed location, design and materials for signage, to include proposed text, style, graphics, and colours;</p> <p>d) a consideration of the environmental impacts of the</p>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>specific locations and methods of installation for each element of outdoor visitor infrastructure; and</p> <p>e) compliance with relevant industry guidelines, codes, Australian Standards and the Building Code of Australia (BCA).</p>				
113	<p>Prior to the commencement of any works associated with the installation of outdoor lighting, a sample of the proposed lighting of both general outdoor areas and any emergency lighting must be completed in consultation with the Heritage Council and approved by the DEC.</p>	Operation	NHS	<p>No outdoor or emergency lighting was installed during this reporting period.</p>	Not Triggered
114	<p>The use of laser or neon lighting (with the exception of emergency lighting), food or beverage vending machines, and commercial advertising signage on the site, is not permitted.</p>	Operation	NHS	<p>No laser or neon lighting (with the exception of emergency lighting), food or beverage vending machines, and commercial advertising signage were installed on the site</p>	Not Triggered
115	<p>All outdoor visitor infrastructure works shall be undertaken in accordance with</p>	Operation	NHS	<p>Aluminium stair nosing was fixed to the external funicular stairs.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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the adopted plan and an approved Precinct Plan.

There works were undertaken in accordance with the Outdoor Visitor Management Plan.

NPWS Historic Heritage advised works were exempt under section 57 (2) of the Heritage Act 1977 on 23 September 2022.

**SECURITY**

**Security System**

116	<p>The co-proponents shall prepare a whole-of-site Security Plan in consultation with the NSW Police, to be submitted within 12 months of the commencement date. The plan shall be reviewed by the Heritage Advisor and submitted to the DEC for approval. Implementation of the plan must commence within three months of the date of its approval.</p> <p>The plan shall address, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) the DACMP subsidiary policies 16.7.1 – 17.7.6 with respect to</li> </ul>	Construction	Mawland	<p>The visitor Management Plan includes a Security Plan (Section 6).</p> <p>The Visitor Management Plan was approved by National Parks and Wildlife Services on 13 July 2005 and DIPNR on 10 August 2005.</p>	Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	locks and hardware across the site; b) a master-key system across the site that enables a consistent approach to keying; c) a monitored alarm system for buildings containing collections, that are periodically used for interpretation or that are remote and difficult to monitor, and security measures for all other buildings (eg. those in daily use); d) enforcement powers under the NPW Act and protocols for dealing with breaches of the Act; e) reporting structure and protocols for dealing with security incidents, to include communication protocols with DEC and the NSW Police; and f) the need for security personnel on site.				
117	The co-proponents shall undertake a review of the Security Plan every five years after the commencement date for the duration of the activity. The review shall be undertaken in consultation with the NSW Police On the basis of the	Operation	NHS	The Security Plan is included in the current review of all Site Wide Plans.	Non - Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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review the co-proponents shall, as necessary, prepare a revised Security Plan to be submitted to the DEC for approval.

**TRANSPORT AND ACCESS**

**Access Strategy**

118	<p>The co-proponents shall prepare and submit a final Access Strategy for the site to the DEC and DIPNR for approval within 6 months of the commencement date. The strategy shall be prepared in consultation with the Heritage Council, Manly Council and the State Transit Authority. Once approved, the co-proponents shall implement the Access Strategy.</p> <p>The final Access Strategy must address but not be limited to:</p> <ul style="list-style-type: none"> <li>a) all available means of access to the site, including details of the ferry service and shuttle bus operation (including operating times, pick up/set down points, etc) (conditions 138)-142) and 155);</li> </ul>	Construction	Mawland	The Visitor Management Plan includes details on access to the site (Sections 2, 3, 4 and 5).	Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>b) access provisions within the site, including constraints and management strategies, details of service vehicles, bus and taxi access. Specific consideration shall also be given to access arrangements for the Second Cemetery (condition 124);</li> <li>c) access provisions to the wharf, including the arrival and departure routes for the ferry. These routes shall generally be in accordance with Figure 11.2 in the EIS. The co-proponents shall consult with NSW Fisheries regarding this matter;</li> <li>d) measures to promote public transport and reduce private vehicle access to the site;</li> <li>e) measures to be implemented to prevent additional visitors entering the site once visitor capacities, as specified in condition 120), have been reached;</li> <li>f) measures to ensure that a reasonable proportion of visitors in any one day include day</li> </ul>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>visitors that arrived without pre-booking a tour or other activity;</p> <p>g) measures to provide for disabled, concession and non-English speaking access to the site and to enable participation in site activities;</p> <p>h) the provision of disabled access to every precinct. This component of the Access Strategy shall be prepared in accordance with the requirements of the Disability Discrimination Act and any guidelines or standards established under the Act; and</p> <p>i) the visitor monitoring program (condition 156).</p>				
119	<p>The co-proponents shall undertake a review of the Access Strategy every five years after the commencement date for the duration of the activity. The review shall be undertaken in consultation with the Heritage Council, Manly Council and the State Transit Authority. On the basis of the review the co-proponents shall, as necessary, prepare a revised Access</p>	Operation	NHS	<p>The Access Strategy is included in the review of all Site Wide Plans.</p>	Non - Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	Strategy to be submitted to the DEC and DIPNR for approval.				
<b>Site Visitor Capacity</b>					
120	<p>Visitation to the site and site visitor numbers must be in accordance with the following:</p> <ul style="list-style-type: none"> <li>a) the optimum visitor capacity of the site is 315 people (including staff) at any one time. The co-proponents shall take all reasonable steps to ensure that the optimum visitor capacity (or less) is met for a majority of the time during which the site is publicly accessible;</li> <li>b) the maximum visitor capacity may be increased to 600 people (including staff) for up to 6 hours on up to 20 occasions per calendar year. Arrival and departure from these events must be distributed throughout the day period and these events must be held in accordance with the requirements of term 128 b) of the approval;</li> </ul>	Operation	NHS	<p>Except for general public who can enter the site at random, records for visitor numbers are held at reception by accumulation of all events on site for any given day and accommodation guests on site.</p> <p>The Sales / Event Department comply with this condition when booking in events taking advice from the NPWS Ranger when necessary. There were no instances in the reporting year where capacity was exceeded or increased to 600 people.</p> <p>Access to the Beach and Wharf is restricted by closure of the beach and wharf gates at sunset. The key is held by the General Manager and the Duty Manager in case of emergency.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>c) evening and night time events and functions are to avoid high value bandicoot foraging habitat. Identification of high value bandicoot foraging habitat is to be determined by NPWS; and</p> <p>d) access to the Wharf and Quarantine Beach is to be prohibited during evening and night time events and functions. This does not preclude normal operations undertaken as part of the restaurant in building A6, including the outdoor eating area.</p>				
120A	<p>Site Travel and Access Plan must be prepared by a suitably qualified consultant, to the satisfaction of the Secretary, that details management measures to be implemented, at a minimum, for at least 5 event sizes, including those presented in Term 120, and is to include detail of the following:</p> <p>a) mode share targets and measures of how these will be implemented, monitored and achieved including details of the financial and human resources</p>	Operation	Mawland	The Site Travel and Access Plan was approved by the Department of Planning & Environment on 14/9/2018	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>required to implement the targets;</p> <ul style="list-style-type: none"> <li>b) b) anticipated number and types of vehicles arriving at the site and car parking provisions for both staff and visitors;</li> <li>c) the management of the site car park (i.e. car park wardens/ traffic controllers) and management measures to ensure site visitors do not impact upon the parking provisions of North Head;</li> <li>d) detail of arrival and departure times and detail of how impacts of this upon existing traffic flows at North Head will be mitigated; and</li> <li>e) a map clearly delineating site access and parking provisions for various sized events of up to 600 people.</li> </ul> <p>The co-proponents must not hold more than 450 people on site until the Site Travel and Access Plan is approved by the Secretary.</p>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	The Site Travel and Access Plan must be implemented by the co-proponents for the duration of the Lease agreement.				
121	Any proposal to increase the site capacity or the optimum visitor capacity after this time must be publicly exhibited and submitted for the approval of the DEC and DIPNR. The proposal must be accompanied by a clear assessment of the potential impacts of any increase on the significance of the Quarantine Station and justification based on the results of the visitor and site monitoring programs	Operation	NHS	There was no proposal to increase the site capacity or the optimum visitor capacity during the reporting period.	Not Triggered
<b>Pricing</b>					
122	The co-proponents shall ensure that all services and facilities at the site are made available at varying price-scales, commensurate with the standard of service to be provided, to facilitate choice and encourage equitable community access to the site. This shall include, but not be limited to, accommodation, tours, interpretive activities and educational facilities.	Operation	NHS	Details are available on the Q Station website of all services, facilities, and prices: <a href="https://www.qstation.com.au/room-options.html">https://www.qstation.com.au/room-options.html</a> <a href="https://www.qstation.com.au/conference-packages.html">https://www.qstation.com.au/conference-packages.html</a>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
123	Concessional pricing shall be provided for all tours and interpretive activities at the site.	Operation	NHS	Concession rates are available for all tours  <a href="https://www.qstation.com.au/ghost-tours.html">https://www.qstation.com.au/ghost-tours.html</a>	Compliant
<b>Access To The Second Cemetery</b>					
124	Based on the options identified in the Heritage Landscape Master Plan [condition 92) i)] suitable arrangements for providing managed access to the Second Cemetery shall be provided within 18 months of the commencement date. If measures for managed access have not been implemented after 18 months regular public access to this area shall cease until such arrangements are in place. In the meantime, access to the Second Cemetery shall be limited to one tour group of up to 25 persons at any one time.  If any adverse impacts are identified prior to the access system being implemented, measures to reduce such impacts shall be introduced following consultation with the DEC.	Construction	Mawland	The Heritage Landscape Management Plan 2005 was approved by Q Station in May 2006, National Parks and Wildlife Services in September 2006 and NSW Heritage Office in September 2006.  Section 5.5.3.12 of the Heritage Landscape Management Plan contains details regarding access to the Second Cemetery.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>Special Events, Functions And Free Open Days</b>					
125	The number of special events or activities requiring overflow parking shall be limited to 6 per year. Special events include uses (eg. re-enactments, festivals, etc) and public open days that are not part of the normal operations (eg. tours) and extend beyond those function, conference, accommodation and restaurant uses identified in the PAR.	Operation	NHS	There were no events during the reporting period that required the use of overflow parking.	Not Triggered
126	At least two free public open days are to be held at the site every year. The open days shall be held on either a weekend or public holiday. They shall include opportunities for people to participate in organised tours and interpretive activities that promote an understanding of the site’s values, at no cost. Tours and activities may also be provided that outline the methods of conservation and management being used at the site, also at no cost. A booking system may be used to ensure that the site capacity limits in condition 120) are not exceeded.	Operation	NHS	Two free public open days were held this reporting period on the 5 June 2022 and 25 September 2022.	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
127	<p>Special event and public open day proposals are to be submitted to the DEC for approval. The co-proponents shall also consult with the Quarantine Station Community Committee and Manly Council prior to submission to the DEC. Proposals may only proceed if the DEC is satisfied that:</p> <ul style="list-style-type: none"> <li>a) sufficient traffic and car-parking and pedestrian management measures will be provided (both on and off-site);</li> <li>b) noise and light impacts will be minimised; and</li> <li>c) that the proposal will promote or enhance the interpretation of the place.</li> </ul> <p>The DEC may direct the co-proponents to undertake all practicable steps to address the above matters and to ensure that the minimum number of public open days are provided in accordance with condition 126).</p>	Operation	NHS	<p>There were no special events during the reporting period.</p> <p>Open days were approved by NPWS.</p>	Compliant
128	<p>Any special events or functions held after sunset shall:</p> <ul style="list-style-type: none"> <li>a) if they are to be held outdoors, be located away from the areas</li> </ul>	Operation	NHS	Noted	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>identified as high-use Long-nosed Bandicoot foraging habitat in the DACMP (Illustration 15) or the revised habitat assessment (condition 165); or</p> <p>b) if they are to be held in the Wharf Precinct, must be held indoors This does not preclude normal operations undertaken as part of the restaurant in building A6, including the outdoor eating area.</p>				
<b>Night Tours</b>					
129	<p>For the first three years after the commencement date the maximum number of visitors on night tours shall not exceed 100 persons and 3 tour groups on the site at any one time. After this time any proposal to increase night tour capacities must be submitted for the approval of the DEC. The proposal must be accompanied by a clear assessment of the potential impacts of any increase on the significance of the Quarantine Station and justification based on the results of the visitor and site monitoring programs (particularly</p>	Operation	NHS	No change to capacity of tour groups required. Capacity is rarely met for tours.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	monitoring Long-nosed Bandicoot foraging activity).				
130	Night tours are to be undertaken on formed roads, paths or the Funicular stairway, unless part of an approved special interest tour.	Operation	NHS	No night tours are conducted on any part of the site except formed roads and paths.	Compliant
131	Unless approved as part of a special interest tour, measures are to be taken to ensure that night tour patrons do not use spotlights or flash-photography in outdoor areas (with the exception of the lanterns or torches used as part of the ghost tours).	Operation	NHS	A full safety briefing is given at the start of each tour. This covers personal safety, photography, and directions on night time tours.	Compliant
132	At the conclusion of any night tours on site, arrangements are to be made to transport visitors in an orderly manner from the conclusion point of the tour to the: <ul style="list-style-type: none"> <li>a) accommodation area (for those visitors staying on site overnight);</li> <li>b) relevant car park (for those visitors departing by car or bus); or</li> <li>c) to the Wharf Precinct (for access to the ferry).</li> </ul>	Operation	NHS	All night tours end at the Wharf Precinct where patrons are then taken to reception area by shuttle bus.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	This may include, but is not limited to, the use of a shuttle bus or groups led by a guide.				
133	Notwithstanding the provisions of condition 129), the DEC may at any time direct that night tour numbers are reduced, and/or other appropriate measures implemented, if it is satisfied on the basis of monitoring programs that night tours are having adverse impacts on the Long-nosed Bandicoot population. The co-proponents shall comply with any such directions issued by the DEC.	Operation	Joint	No directions were made by DEC/NPWS during the reporting period.	Not Triggered
<b>Special Interest Tours</b>					
134	No special interest tours may be run without the approval of the DEC (this may be undertaken as part an application for a tour operators license under the NPW Act). This will include tours to Store Beach, Cannae Point or other areas of the site (including bushland areas, rocky foreshores, Old Mans Hat and the cemeteries). This excludes the four main tours proposed by the co-proponents in the PAS. In seeking approval for special interest	Operation	NHS	There were no special interest tours during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>tours, the following information shall be provided to DEC:</p> <ul style="list-style-type: none"> <li>a) proposed frequency and size of tours;</li> <li>b) compliance with the Access Strategy and Interpretation Plan (conditions 118) 100);</li> <li>c) details of the tour activities and route, including buildings and other features to be visited; and</li> <li>d) a statement identifying and addressing any potential environmental issues that may arise, including management of visitor safety, and measures to address these.</li> </ul>				
135	The co-proponents shall ensure that any approved special interest tours are subject to a specific monitoring and review program to enable assessment of potential visitor impacts.	Operation	NHS	There were no special interest tours during the reporting period.	Not Triggered
<b>School And Educational Programs</b>					
136	Provision shall be made for school groups to have access to the site without the need to stay overnight.	Operation	NHS	Noted	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
137	Overnight educational programs must ensure a high-level of student supervision to prevent uncontrolled night activities or access across the site. Students must also be supervised during any periods of student “free-time” during the day and confined to distinct areas of the site, that is there is to be no general or uncontrolled access across the site.	Operation	NHS	Noted, there was only one overnight educational program during the reporting period. Students were supervised at all times by employees of the school.	Compliant
<b>Water-Based Access</b>					
138	<p>The ferry service between Manly and the Quarantine Station site shall:</p> <ul style="list-style-type: none"> <li>a) commence within 6 months of the commencement date or, if this cannot be achieved due to circumstances beyond the reasonable control of the co proponents, within such other time as the DEC may approve;</li> <li>b) generally arrive and depart between the hours of 9:00 am and 11:00 pm respectively;</li> <li>c) be limited to a maximum of one movement per hour, after sunset, between July and February inclusive, to reduce the</li> </ul>	Operation	NHS	The ferry service operated to this timetable until the first 2020 COVID pandemic lockdown (March 2020). This service was then cancelled by RMS/NRMA. Discussions are continuing as to restoration of the ferry service.	Non - Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>potential for impacts on the Little Penguin population. A maximum of 20 movements in one day may occur at other times to encourage water-based access to the site; and</p> <p>d) with the exception of extreme weather events and maintenance periods, be provided on an hourly basis during the peak periods of visitor activity.</p>				
139	<p>The co-proponents shall undertake all practicable measures to ensure that:</p> <p>a) within 3 years of the commencement date, the proportion of visitors accessing the site by the ferry is 40% or greater; and</p> <p>b) within 5 years of the commencement date, the proportion of visitors accessing the site by ferry is between 40% - 50% and stays at this level, or greater, for the life of the project.</p>	Operation	NHS	<p>A ferry service operated until it ceased due to covid. Negotiations are taking place to resume the ferry service.</p> <p>However, when operating less than 50% of the visitors utilised the ferry service. The majority of guests arrive by other means of transport.</p>	Non - Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
140	<p>The wharf facility shall be used in accordance with the following provisions:</p> <ul style="list-style-type: none"> <li>a) the wharf shall only to be used for the casual berthing of the vessel “The Jenner”, or an appropriate vessel of similar dimensions and loadings. Assistance must be provided to persons with mobility limitations;</li> <li>b) the ferry must always dock at the head of the wharf (ie. The north-western end) until such time as any future alterations to the wharf have been assessed and approved by the relevant authorities;</li> <li>c) the ferry shall not moor at the wharf when not in active use (ie. overnight);</li> <li>d) the ferry shall not moor at the wharf during unsuitable weather events (eg. storms, strong winds, large swells);</li> <li>e) the co-proponents shall ensure that there is no access to the wharf as part of the activity by recreational or commercial</li> </ul>	Operation	NHS	<p>Noted, unfortunately “The Jenner’ sunk before it could commence a ferry service. The ferry service operator, when the service commences, will be instructed as to the directions contained in this condition.</p> <p>Approval was given by TfNSW on 1 November 2022 for NPWS to use the wharf for a one-off activity to drop and collect a small group of VIP delegates visiting the Sydney Harbour National Parks on 6<sup>th</sup> November 2022.</p>	Non - Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>vessels until such time as any proposed access arrangements for these vessels have been assessed and approved by the relevant authorities. The wharf shall include signage to indicate that access is prohibited unless authorised by the Waterways Authority and DEC; and.</p> <p>f) There shall be no vessel access on the south-western side of the wharf, parallel to Cannae Point</p>				
141	<p>Minor variations to the provisions of condition 140), a), b) and c) above may be approved by the Waterways Authority and the DEC, upon receipt of an application from the co-proponents. The application shall address, but not be limited to, safe berthing/mooring arrangements, disabled visitor access, potential impacts on seagrasses (eg. from overshadowing and propeller wash) and Little Penguins.</p> <p>Any significant variations to these conditions, and any variations to condition 140) e), shall (if necessary) require a separate application and approval under Part 5 of the Environmental Planning and</p>	Operation	NHS	No variations were made during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>Assessment Act 1979 and other relevant legislation.</p> <p>The Waterways Authority and DEC shall consult with NSW Fisheries before any variations are approved.</p> <p><i>Note: Waterways Authority is now Transport for NSW.</i></p>				
142	<p>When the ferry is not available for use (due to extreme weather events or maintenance) the co-proponents shall provide a shuttle bus or some other means of public transport between the site and Manly.</p>	Operation	NHS	<p>When the ferry is not in use, a shuttle bus is for transport to Manly. Visitors can also use the public bus service.</p>	Compliant
<b>Road-Based Access</b>					
<b>Private Vehicle Targets</b>					
143	<p>The co-proponents shall undertake all practicable measures to ensure that within 5 years of the commencement date, the proportion of visitors accessing the site by private vehicle does not exceed 50% and stays at this level, or less, for the life of the project.</p>	Operation	NHS	<p>NHS encourages all guests and conference attendees to travel by other means of transport including taxi, shuttle bus or public transport. A recent traffic survey undertaken by NHS shows that only 36% of visitors accessing the site arrive by private vehicle.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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**Management Of Vehicle Access**

144	A 15 km/h speed limit for all vehicles within the site shall be imposed within 3 months of the commencement date.	Operation	NHS	A 15km speed limit is imposed on site which is indicated on site with 15km speed limit signs.	Compliant
145	As a priority measure, traffic calming devices shall be provided within 6 months of the commencement date along the following roads: a) from A26 to CP5; b) from S12 to S5; and c) from A26 to A23 (no traffic calming devices are required between S15 and P13).	Operation	NHS	The traffic calming measures have been installed in accordance with this condition.	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
					
146	The devices shall be in accordance with the endorsed design standards [condition 106) c)], spaced at appropriate distances apart and sign-posted with the speed limit (15 km/h) and Long-nosed Bandicoot warning/awareness signs	Operation	Joint	The traffic calming measures have been installed in accordance with this condition.  See photos above (Condition 145)	Compliant
147	Vehicle access to the site is to be managed by an entrance boom gate that only opens when triggered by staff or contractors.	Operation	NHS	The boom gate operates by Q Station staff.	Compliant
148	Barriers delineating the extent of vehicle access with the site are to be provided within 6 months of the commencement date in accordance with Figure 2.1 of the PAS. In accordance with condition 151) c) within 10 years of the commencement date, the barriers on the road below S2, between S2 and A23	Construction	Mawland	A boom gate has been installed in place of the barriers under approval from NPWS.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	and adjacent to A1 must be replaced with a barrier adjacent to A18 (or at a suitable location east of A18).				
149	<p>There shall be no vehicle access beyond the barriers described in condition 147) except for:</p> <ul style="list-style-type: none"> <li>a) vehicles transporting disabled visitors;</li> <li>b) vehicles driven by representatives of the co-proponents, service providers and contractors;</li> <li>c) visitors and guests being transported by shuttle-bus, people-mover or some other form of low-scale public transport (not large buses or coaches); and</li> <li>d) emergency vehicles.</li> </ul>	Operation	NHS	There is no access to the site past the boom gate at reception except in accordance with this condition.	Compliant
150	<p>Bus and coach access to the site shall be as follows (see also condition 65(b) and 151):</p> <ul style="list-style-type: none"> <li>a) coaches shall not enter the site beyond CP1;</li> <li>b) until CP1 is completed buses may enter the site and use the loop road from A26 to S12 to S5</li> </ul>	Operation	NHS	There is no access to the site past the boom gate except, very infrequently, for small coaches for tour and conference groups which are escorted by Q Station staff.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>and to the temporary bus parking area adjoining A26; and</p> <p>c) after CP1 is completed buses shall also not enter the site beyond CP1.</p>				
<b>Vehicle Parking</b>					
151	<p>On-site car parking shall occur as follows:</p> <p>a) <b>CP1</b> – may provide up to 120 vehicle spaces, constructed in two stages as proposed in the PAS, to be used by day visitors, overnight guests and staff (if necessary);</p> <p>b) <b>CP5</b> – may provide up to 56 vehicle spaces, constructed in two stages as proposed in the PAS, to be used by staff and overnight guests but no day visitors (including conference or function participants);</p> <p>c) <b>existing administration car park (opposite S1)</b> – may provide short-stay parking for accommodation check-in on the following basis:</p>	Operation	NHS	<p>CP1 provides space for 120 vehicles. CP5 provides space for 56 vehicles.</p> <p>Existing administration carpark is used by Q Station staff only.</p> <p>Accommodation and conference guests are now required to park in CP1.</p> <p>Buses and coaches are not allowed to park on site, except for small coaches which are escorted by Q Station staff.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>accommodation guest use of this parking area shall be gradually decreased between 5 and 10 years of the commencement date, so that within 7.5 years of the commencement date such usage has decreased by 50% (this excludes taxis, delivery and operations vehicles);</li> <li>use of this parking area by accommodation guests shall be completely phased out within 10 years of the commencement date, to comply with the long-term carefree boundaries of the DACMP; and</li> <li>during the above periods the co-proponents shall examine and test alternative check-in parking</li> <li>arrangements, including the option of using the area shown as “Potential Drop Off and Parking” in</li> <li>Illustration 20 of the DACMP;</li> </ul>				

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>d) <b>bus and coach parking</b> – the following arrangements shall apply:</p> <ul style="list-style-type: none"> <li>• until CP1 is completed buses may only park in the bus parking area adjoining A26, as shown in Figure 2.1 of the PAS;</li> <li>• until CP1 is completed coaches may only drop-off visitors at the entrance to the site and park at an off-site location (if necessary);</li> <li>• once CP1 is completed, buses and coaches may drop off visitors at CP1 and either park in CP1 or outside the site (if necessary); and</li> <li>• once CP1 is completed, there shall be no bus or coach parking elsewhere on the site.</li> </ul>				
152	<p>Overflow parking may be provided:</p> <p>a) as part of up to 6 approved special events per year (condition125); and</p> <p>b) during the physical construction stages for the new car parks (ie.</p>	Operation	NHS	This was not required during the reporting period.	Not Triggered



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>during Stages 1 or 2 of CP1 or CP5). Once a stage is complete, no further overflow parking associated with car park construction may occur until the next stage of construction commences.</p> <p>Total overflow parking at any one time shall be limited to up to 50 vehicles and shall be entirely restricted to formed road surfaces (ie. not grassed areas) between building S14 and the first road junction immediately south-west of the upper reservoir</p>				
153	<p>There shall be no vehicle parking outside of the CP1, CP5, administration area car park, or overflow parking, except for short-term parking for service providers, contractors and the like.</p>	Operation	NHS	No vehicles were parked outside of CP1, CP5, Administration area car park or overflow parking during the reporting period.	Compliant
<b>Car-Park Design</b>					
154	<p>The co-proponents shall ensure that car-parks are designed and constructed in accordance with the following design principles:</p> <p>a) designated disabled car parking spaces must be provided onsite</p>	Operation	NHS	a. The car parks were designed and constructed in accordance with the design principles prior to operation commencing at the site. No modifications have been	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>in accordance with relevant Australian Standards, the BCA and to achieve compliance with the Disability Discrimination Act;</p> <p>b) secure parking for at least 10 bicycles, plus parking for motorcycles, shall be provided at CP1 (such parking may also be provided at CP5);</p> <p>c) the internal area of car parks shall be generally devoid of any vegetation (with the exception of existing threatened species or communities) that may harbour or provide a foraging resource for fauna (especially Long-nosed Bandicoots);</p> <p>d) vegetation (using local native species) shall be planted and maintained to screen CP1 and CP5. The vegetation screens shall allow for the movement of fauna;</p> <p>e) car parks shall not be enclosed by fencing that may trap individual fauna i.e gaps of sufficient dimensions to allow passage by bandicoots will be</p>			<p>made to their design / construction.</p> <p>b. Secure parking for 10 bicycles plus motorcycles are provided.</p> <p>c. Local native vegetation is maintained in CP1 and CP5 by Q Station Maintenance Teams.</p> <p>d. Local native vegetation is maintained in CP1 and CP5 by Q Station Maintenance Teams.</p> <p>e. There is no fencing around the carparks.</p> <p>f. Lighting has not been altered since the original approval.</p> <p>g. The eastern boundary of CP5 is fenced.</p> <p>h. No Eastern Suburbs Banksia Scrub was</p>	

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>provided between and/or under any barriers;</p> <p>f) sufficient low-level lighting shall be provided in the car parks to allow drivers to detect fauna;</p> <p>g) the eastern boundary of CP5 shall be defined by fencing that prevents vehicle access and discourages human access to the adjoining area of Eastern Suburbs Banksia Scrub; and</p> <p>h) any removal of Eastern Suburbs Banksia Scrub required as part of the construction of CP5 shall be offset by the undertaking of habitat regeneration works on an area elsewhere at North Head up to 20 times the size of the area impacted (i.e approximately 0.3 hectares). Details of the area of ESBS to be affected and the areas proposed for regeneration, including regeneration methods consistent with the Heritage Landscape Master Plan, are to be submitted with the construction works application for CP5.</p>			<p>removed during the construction of CP5.</p>	

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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**Shuttle bus**

155	<p>The co-proponents shall provide a shuttle bus service to transport visitors between the Manly Town Centre and the site (see also condition 65). The shuttle bus shall:</p> <ul style="list-style-type: none"> <li>a) have a minimum capacity of 12 persons per trip;</li> <li>b) be operational within 6 months of the commencement date;</li> <li>c) provide a minimum of 3 trips to and from the site (total 6 trips) per day on weekends and public holidays during peak periods of visitor activity or as approved by the DEC. Preference is also to be given to operation of the shuttle bus service during periods of peak night visitation and activity for the Long-nosed Bandicoot.</li> </ul>	Operation	NHS	Noted, the shuttle bus is providing a minimum of the trips required by this condition.	Compliant
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Full details of the shuttle bus operation shall be included in the Access Strategy (condition 118).

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>Visitor Monitoring</b>					
<b>General</b>					
156	<p>A visitor monitoring program is to be established in accord with Policy AIP 3.2 in the DACMP and submitted for approval as part of the final Access Strategy (condition 118). In addition to the matters specified in AIP 3.2, the program must also make specific provision for the monitoring of:</p> <ul style="list-style-type: none"> <li>a) visitor numbers, capacities and entry details (eg. booked on a tour, accommodation booking, or unbooked day visitor);</li> <li>b) mode of access to the site;</li> <li>c) visitor profiling (to include age, cultural background, language spoken, geographic origin, disability status);</li> <li>d) visitor impacts on the site's values, including both physical impacts (such as measurable damage or wear to fabric, impacts on fauna behaviour, etc) and non-physical impacts (such as amenity); and</li> </ul>	Operation	NHS	<p>Section 5 of the Visitor Management Plan includes details of Visitor Monitoring.</p> <p>The Visitor Management Plan was approved by National Parks and Wildlife Services on 13 July 2005 and DIPNR on 10 August 2005.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	e) measures taken, or proposed to be undertaken, to minimise private vehicle access. This should include the progress or outcomes of any negotiations with other North Head land managers regarding off-site car-parking.				
157	Where the visitor monitoring program identifies adverse impacts associated with the activity the co-proponents must, in consultation with the DEC, identify and implement appropriate management responses. These may include, but are not limited to, altering any relevant activity, temporarily ceasing specific activities or ceasing some uses altogether if impacts cannot be adequately addressed.	Operation	NHS	No adverse impacts were identified during the reporting period	Not Triggered
<b>FLORA, FAUNA AND MARINE ENVIRONMENT</b>					
<b>General</b>					
158	The co-proponents shall engage a person(s) trained in basic fauna and flora identification and in possession of the appropriate licences (eg. for fauna handling) to monitor construction activities for the duration of the work.	Operation	NPWS	There were no construction activities during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>The functions of that person(s) shall include, but are not limited to:</p> <ul style="list-style-type: none"> <li>a) the inspection of work areas every morning prior to work commencing to allow the identification and relocation of any fauna species present (fauna are to be re-located to the nearest area of suitable habitat within the site); and</li> <li>b) the regular inspection of work areas at other times to ensure no inadvertent impacts to flora and fauna are occurring. The person(s) is to report directly to the Environmental Manager.</li> </ul>				
159	Any fencing or barriers to be provided for active work areas shall not limit the general movement of fauna across the site. However, sites of specific potential risk to fauna (e.g. Open excavation) shall include measures to prevent fauna access (e.g. limited fencing or covers) and/or to allow their egress/escape (e.g. earth ramps).	Operation	Joint	There were no active work areas within the reporting period that required fencing or barriers to be erected.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
160	No hollow-bearing trees or threatened flora are to be removed, although limited lopping or trimming may occur with approval from the DEC. Existing Coral trees in the Wharf Precinct shall be the subject of regular inspection and maintenance by a suitably qualified person to ensure safe access to this area for site visitors. Any areas proposed for vegetation clearance or removal are to be surveyed by a suitably qualified person for the presence of hollow-bearing trees and threatened flora, which are to be clearly tagged and identified for retention.	Operation	NHS	<p>No hollow bearing trees or threatened flora were removed during the reporting period.</p> <p>There were no areas proposed for vegetation clearance or removal during the reporting period.</p> <p>During the reporting period NHS complied with the requirements of this condition.</p>	Compliant
161	The proposed design and location of any artificial nesting sites or boxes (including for Little Penguins) are to be endorsed by the DEC. Nest boxes are to be designed to limit the potential for use by possums.	Operation	Joint	No nest boxes were required to be installed during the reporting period.	Not Triggered
162	Details of the methods and approaches to be used in meeting the monitoring requirements specified in the conditions of approval for Long-nosed Bandicoots and Little Penguins will be submitted to	Construction	NPWS	Little Penguin and Long-nosed bandicoot monitoring methods and approaches were approved by NPWS as part of their recovery programs.	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	the DEC for approval prior to monitoring commencing.				
<b>Long-nosed Bandicoot</b>					
<b>General</b>					
163	Within 6 months of the commencement date the co-proponents shall update signage along Darley Road and into the Quarantine Station to strengthen warnings to vehicle drivers regarding the presence of Long-nosed Bandicoots and the need for slow and careful driving (see also conditions 145 -146).	Construction	NPWS	Long-nosed Bandicoot warning signage has been erected as required by this condition.	Compliant
164	Grassed areas on the site must be kept in good condition. No fertilisers or chemicals should be applied to open grassed areas, except where this is essential to the repair and stabilisation of existing eroded areas and is consistent with the provisions of the approved Heritage Landscape Master Plan (condition 91).	Operation	NHS	Grassed areas are inspected and mowed regularly and watered when necessary. No fertilisers or chemicals are used on grassed areas.	Compliant
165	Within 12 months of the commencement date the co-proponents shall undertake further assessments to refine the mapping of high-use Long-nosed	Operation	NPWS	The Heritage Landscape Management Plan is included in Site Wide Plans to be reviewed in 2023.	Compliant


CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	Bandicoot foraging habitat and to identify suitable potential areas and techniques for habitat enhancement, reconstruction and rehabilitation. The outcomes of the assessment should be informed by the monitoring program specified in Schedule 5 and are to be submitted to the DEC for approval and incorporated into the Heritage Landscape Management Plan (condition 91) prior to any habitat works commencing.				
166	Any works undertaken for the activity that involve the loss of, or damage to, Long-nosed Bandicoot foraging habitat shall be offset by the undertaking of habitat enhancement, reconstruction or rehabilitation works on an area elsewhere at North Head that is at least ten times the size of the area impacted.	Operation	Joint	No works were undertaken that involved loss of or damage to Long-nosed Bandicoot foraging habitat during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>Monitoring</b>					
167	The co-proponents shall implement the monitoring program detailed in Schedule 5.	Operation	NPWS	Refer to Schedule 5 for action by NPWS	Compliant
<b>Adaptive Management – Foraging Habitat</b>					
168	If the monitoring of bandicoot activity and use of foraging habitat indicates a statistically significant reduction in bandicoot numbers between the control and non-control areas over two consecutive years, measures will be taken, in consultation with the DEC, to reduce the extent of light, noise and activities at relevant locations. Measures may only be reversed or altered with the approval of the DEC (see also condition 133).	Operation	Joint	As there was no significant reduction in bandicoot numbers between the control and non-control areas over two consecutive years, no such measures were required during the reporting period.	Not Triggered
<b>Adaptive Management – Road Mortalities</b>					
169	All adaptive management measures presented within Schedule 6 must be implemented and the co-proponents	Operation	Joint	Refer to Schedule 6 on page 172 of the AER.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	must contribute to the mitigation of potential impacts on the Long-nosed bandicoot population across North Head. This includes, but is not limited to, participation in the North Head Stakeholder Group, or its successors. The co-proponents will actively promote awareness of the need for bandicoot protection across North Head.			The co-proponents are active members of the North Head Stakeholder Group and as such actively promote the awareness of the need for bandicoot protection across North Head.	
169A	The co-proponents must provide signage at the entrance to Sydney Harbour National Park near Parkhill Archway, to indicate the number of Long-nosed Bandicoot road mortalities recorded on North Head. The sign(s) shall include, but not be limited to, a short statement regarding the endangered status of the population, its estimated population size (within North Head), the threat that road deaths pose to its continued survival, the total number of road deaths from the previous year and a running tally of the number of deaths during the current calendar year. The tally shall be updated after each confirmed road death as recorded on the mortality register referred to in Schedule 5. The sign shall also include a 24 hour phone	Operation	NPWS	Signage has been erected by NPWS as required by this condition. Signage includes a running tally of road deaths and is regularly updated by NPWS Ranger.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	number (see also Term 6) to allow members of the public to inform the lessor of any mortalities and what to do if an injured bandicoot is found.				
<b>Calculating The Background Level Of Adult Road Mortalities</b>					
170	For the first year following the commencement date the background adult road mortality level is set at 10 deaths in 6 consecutive months. The background adult road mortality level is to be recalculated at the end of each consecutive year of mortality monitoring as detailed in Schedule 7.	Operation	NPWS	<p>NPWS maintains a register for Long-nosed Bandicoot mortality for the site.</p> <p>The total number of deaths recorded in 2022 on Q Station was one (1 death).</p>	Compliant
<b>Future measures</b>					
171	The Lease shall stipulate requirements regarding the provision of funding to the OEH to undertake a revised population viability assessment (PVA) for the Long-nosed Bandicoot every 6 years from the determination date of Modification 3.	Operation	NHS	The lease registered number AC928975 provides for funding to NPWS to undertake PVA for the Long-nosed Bandicoot every six years. The last PVA was undertaken in 2020.	Compliant
172	Based on the revised PVA, the provisions of any adopted recovery plan for the Long-nosed Bandicoot population and following consultations	Operation	Joint	The 2020 PVA did not trigger the need to revise thresholds, background adult road mortality	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	with the co-proponents, the Minister for the Environment may recommend to the Minister for Infrastructure, Planning and Natural Resources that the trigger thresholds, background adult road mortality levels and/or adaptive management measures be revised. Prior to the Minister for Infrastructure, Planning and Natural Resources agreeing to any significant revised measures, the details of the proposal and the PVA are to be made available for public comment.			levels/and or adaptive management measures.	
173	The co-proponents shall ensure that the undertaking of the activity complies with any revised measures specified in condition 172).	Operation	Joint	There were no revised measures to comply with this reporting year.	Not Triggered
<b>Little Penguins</b>					
<b>General</b>					
174	Prior to the opening of the restaurant in Building A6 for public use or the commencement of ferry services to the site (whichever comes first), and following approval of the detailed designs by the DEC, Permanent barrier fencing (that maintains access for	Operation	Joint	a) Permanent fencing was previously installed that provides protection for the little penguin colony and prevents human access to the little penguin habitat.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>penguins) shall be provided to actively discourage human access to Little Penguin habitat at:</p> <ul style="list-style-type: none"> <li>a) the northern end of Quarantine Station Beach, in the vicinity of the mean high water mark. The fence shall include signage to indicate that no access along the rocky foreshores is permitted;</li> <li>b) the southern end of the Quarantine Station Beach, in the vicinity of the cliff-line and water's edge adjacent to the concrete slipway (W1/A13a). The fence shall include signage to indicate that no access along the rocky foreshores is permitted; and</li> <li>c) at least 1.5 metres from the western edge of the existing drain adjacent to Building A6 (ie. towards the building). Consideration shall be given to the use of dense plantings, rather than a fence made of timber or other materials, in the design of the barrier.</li> </ul> <p>To avoid adverse visual or cultural impacts the fences shall be constructed</p>			 <p>Image: Penguin protection fencing</p> <ul style="list-style-type: none"> <li>b) Fencing previously installed at the southern end of the Quarantine Station Beach, in the vicinity of the cliff-line and water's edge adjacent to the concrete slipway (W1/A13a). See condition 76 for image.</li> </ul>	

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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of suitable materials and to the minimum height and scale necessary to discourage human access. It is not required that the fences be human-proof (e.g. cyclone fencing).



Image: exclusion fencing

c) Fencing previously installed the western edge of the existing drain adjacent to Building A6 (i.e.. towards the building).





CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
				Image: Penguin fencing at the Boiler house facing north.	
175	Between sunset and sunrise in the breeding season (July to February inclusive) temporary moveable signage, with appropriate temporary lighting if necessary, shall be provided on Quarantine Beach. The signs are to be located on the beach above the mean high water mark in the approximate vicinity of the intersection of buildings A6 and A7. The signs are to advise visitors that access beyond the signs to the northern part of the beach is not permitted, to minimise potential impacts on wildlife.	Operation	Joint	Permanent signage including a map is located at Quarantine Beach to advise visitors about access and activity restrictions such as fishing and boat operations during Little Penguin breeding season.  Lighting has not been necessary and may impact penguin breeding activity.	Compliant
176	No spotlighting for Little Penguins is to occur from the ferry or from within the site, unless it is being undertaken as part of an approved special interest tour.	Operation	NHS	No tours take place near Little Penguin habitat.	Compliant
<b>Monitoring</b>					
177	The co-proponents will negotiate with the DEC an annual contribution to assist the on-going implementation of any monitoring programs established as part	Operation	Mawland/ NHS	Contribution was paid on the following dates within the reporting period:	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	of the Little Penguin Recovery Plan. The contribution will be adjusted annually to reflect changes in the CPI.			<ul style="list-style-type: none"> <li>11/05/2022</li> </ul>	
178	In the event that any monitoring program under the Little Penguin Recovery Plan ceases to operate during the life of the approval, the co-proponents shall be responsible for developing, implementing and funding a monitoring program that specifically monitors the potential impacts generated by activities within the site.	Operation	NPWS	The monitoring program under the Little Penguin Recovery Plan is still operational.	Not Triggered
<b>Adaptive management</b>					
179	The co-proponents shall comply with the adaptive management measures detailed in Schedule 8.	Operation	Joint	Refer to schedule 8 of this report	Compliant
<b>Future measures</b>					
180	The co-proponents will provide funding to the OEHL to undertake a review of the long-term monitoring data and to provide recommendations on the long-term sustainability targets for the Manly Little Penguin population every five	Operation	Joint	Manly Little Penguin long-term sustainability targets last reviewed in 2015. 2020 report overdue.	Non-compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	years from the determination date of Modification 3.				
181	Based on the revised monitoring and long-term sustainability targets (Term 180) and following consultation with NPWS regarding the Little Penguin population, the Minister for the Environment may recommend to the Secretary that the trigger thresholds and/or adaptive management measures be revised. Prior to the Minister for Planning agreeing to any significant revised measures, the details of the proposal and the 5 year report are to be made available for public comment and consideration.	Operation	NPWS	No recommendations have been made by the Minister for the Environment.	Not Triggered
182	The co-proponents shall ensure that the undertaking of the activity complies with any revised measures specified in condition 181).	Operation	Joint	No recommendations have been made by the Minister for the Environment.	Not Triggered
<b>Marine Environment</b>					
<b>General</b>					
183	Within 6 months of the commencement date the co-proponents shall commence discussions with the Waterways	Operation	Joint	NSW Maritime manage the buoyage system which includes signage to restrict and manage	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>Authority and NSW Fisheries in relation to measures that could be undertaken to restrict or discourage private boat mooring in the immediate vicinity of the site. Other relevant stakeholders shall also be consulted. As a minimum, options for restricting or discouraging mooring should generally target the “patchy seagrass” area shown in Figure 1 of Appendix F of the EIS. However, if critical habitat is declared for the Little Penguin population the provisions of the critical habitat listing will take precedence over any other measures.</p> <p><i>Note: NSW Waterways Authority is now Transport for NSW.</i></p>			private boat mooring in the vicinity declared critical habitat now referred to as Area of Outstanding Biodiversity Value (AOBV).	
<b>Monitoring</b>					
184	<p>The co-proponents shall develop and implement a program to monitor the density, condition and extent of seagrass beds in the wharf area, in consultation with the Waterways Authority. Details of the methods and approaches to be used in monitoring seagrass beds will be submitted to NSW Fisheries for approval prior to monitoring commencing.</p>	Operation	NHS	Marine Pollution Research Pty Ltd has been commissioned by NHS to develop and implement the program	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<i>Note: Waterways Authority is now Transport for NSW.</i>				
185	Implementation of the seagrass monitoring program is to occur prior to commencement of the ferry services to the site. Monitoring must be undertaken by a suitably qualified marine ecologist.	Operation	NHS	<p>A form of monitoring had taken place during the time the ferry operated from 2008 to 2020 Covid Lockdown.</p> <p>NHS has commissioned Paul Anink, a marine ecologist, from Marine Pollution Research Pty Ltd to undertake an initial seagrass and seabed survey with the view to developing a program as required by the condition to provide an annual monitoring program. The survey will be undertaken in January 2023 prior to resumption of ferry services</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
<b>Adaptive Management</b>					
186	If the monitoring of the seagrass beds indicates a significant reduction in the density, extent or condition of the seagrass beds, and NSW Fisheries is satisfied that such decreases are either fully or partially related to the activity, the co-proponents must consult with NSW Fisheries to implement appropriate measures to reduce impacts within a specified timeframe, and to provide habitat compensation at a ratio of 2:1.	Operation	Joint	The ecologist commissioned by NHS will consult with NSW Fisheries, as required, if there has been a significant reduction in the seagrass beds	Compliant
187	The co-proponents shall ensure that the undertaking of the activity complies with any measures specified in condition 186).	Operation	Joint	Noted	Compliant
<b>Predator And Pest Control</b>					
188	A Predator and Pest Control Plan shall be prepared and implemented for the site. The Plan shall be submitted to the DEC for approval within 2 years of the commencement date. The plan should address relevant provisions of any	Construction	Joint	A Predator and Pest Control Plan was approved in 2008.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>adopted recovery plans and threat abatement plans and shall:</p> <ul style="list-style-type: none"> <li>a) detail measures for minimising the risk of predator and pest impacts; and</li> <li>b) detail measures for rapidly responding to identified threats, including an emergency shooting strategy.</li> </ul>				
189	<p>Predator and pest control activities shall be undertaken in accordance with the approved plan. Until the plan is prepared and approved the co-proponents shall continue on-going consultation with the DEC regarding predator control measures to be applied</p>	Operation	NPWS	Noted	Compliant
190	<p>The co-proponents shall undertake a review of the Predator and Pest Control Plan every five years after the commencement date for the duration of the activity, or earlier if considered necessary by the DEC. The review shall be undertaken in consultation with the DEC and with advice from relevant specialists. On the basis of the review the co-proponents shall, as necessary,</p>	Operation	NPWS	<p>The Predator and Pest Control Plan will be reviewed with the Site Wide Plans in 2023.</p> <p>NPWS review the Sydney North Area Rabbit Shooting Operations Plan and the Sydney North Area Fox Control Plan which includes North Head Quarantine Station annually.</p>	Non - Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	prepare a revised plan to be submitted to the DEC for approval.				
<b>ENVIRONMENTAL MANAGEMENT PLAN</b>					
191	An Environmental Management Plan (EMP) shall be prepared by the co-proponents and submitted for approval to the DEC and DIPNR, following a review by the Environmental Manager. Once approved, the co-proponents shall implement the EMP	Operation	NPWS	The Environmental Management Plan was approved in 2005	Compliant
192	The EMP shall be prepared and approved prior to the commencement of construction works or new operation functions as described in the PAS. Operations already occurring on site prior to the commencement date may continue without an approved EMP, subject to other relevant conditions of this approval having been met. The EMP may be updated and amended with the approval of the DEC to incorporate other strategies, plans and programs required by the conditions of approval.	Construction	NPWS	The EMP was approved 2005 and will be included in review with the Site Wide Plans in 2023.	Compliant
193	The primary function of the EMP is to outline environmental safeguards and	Operation	NPWS	The EMP includes the matters set out in schedule 9 in Planning	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>procedures to be implemented during the construction and operation stages of the activity. The EMP may also function as an operational control document to guide the implementation of all aspects of the proposal. The EMP shall be prepared in accordance with:</p> <ul style="list-style-type: none"> <li>a) the conditions of this approval;</li> <li>b) all relevant legislation;</li> <li>c) accepted environmental management best practice; and</li> <li>d) shall address all commitments and undertakings made by the co-proponents for environmental management.</li> </ul>			conditions. The EMP is included in the Site Wide Plans for review in 2023.	
194	The EMP shall contain, but not be limited to, the matters specified in Schedule 9 and in conditions 197), 199) and 203). Other strategies, plans and programs required by the conditions of approval may be incorporated into the EMP.	Operation	NPWS	The EMP includes the matters set out in schedule 9 in Planning conditions. The EMP is included in the Site Wide Plans for review in 2023.	Compliant
195	The EMP shall be reviewed and revised in consultation with the DEC as necessary to incorporate revisions to relevant site-wide strategies, plans and	Operation	NPWS	The EMP includes the matters set out in schedule 9 in Planning conditions. The EMP is included	Non - Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	the results of the integrated monitoring program.			in the Site Wide Plans for review in 2023.	
<b>SOIL</b>					
196	Prior to any works commencing in areas of potential contamination the co-proponents must submit to the DEC a preliminary investigation prepared in accordance with the “Managing Land Contamination: Planning Guidelines” (DUAP & EPA 1998). After considering the assessment the DEC may require the co-proponents to undertake a detailed investigation in accordance with the Guidelines and/or undertake any necessary remediation work. Areas of potential contamination include those identified in Figure 13.1 of the EIS, the sites of former buildings P22 and H1, and any other areas identified by the co-proponents during the course of the activity.	Construction	Mawland	Works in areas of potential contamination were undertaken in accordance with the ‘Managing Land Contamination: Planning Guidelines’ (DUAP & EPA 1998).	Compliant
197	As part of the EMP, the co-proponents shall prepare and implement an erosion and sedimentation control plan to be implemented for all works that involve ground surface disturbance. The plan	Operation	NHS	An Erosion and Sedimentation Control Plan was prepared in 2005. The Plan will be reviewed with the Site Wide Plans in 2023.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	will be prepared in accordance with the guideline “Managing Urban Stormwater – Soils and Construction” (DoH 1998), but with adaptations as necessary and appropriate for the Quarantine Station site.			There were no works that involved ground surface disturbance during the reporting period.	
198	Regular inspections of temporary and permanent erosion and sedimentation control devices shall be undertaken during the undertaking of any works involving ground surface disturbance.	Operation	NHS	No works involving ground surface disturbance were undertaken during the reporting period.	Not Triggered
<b>NOISE</b>					
199	As part of the EMP, the co-proponents shall prepare and implement a noise management plan for both the construction and operation phases of the activity. The plan should include, but not be limited to: <ul style="list-style-type: none"> <li>a) standards to be met, consistent with relevant EPA guidelines;</li> <li>b) noise mitigation measures, including educational signage for visitors entering and exiting the site;</li> </ul>	Operation	NHS	A Noise Management Plan was prepared in 2005. The Plan was implemented for the construction phase and is the basis for operational phase of the activity.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>c) regular monitoring of both construction and operational activities. This is to include:</p> <ul style="list-style-type: none"> <li>• noise generated from on-site activities, measured both within the site and off-site</li> <li>• road traffic noise during peak periods of vehicle movements to and from the site, especially in the vicinity of residential areas along Darley Road and Manly Hospital; and</li> </ul> <p>d) adaptive management measures.</p>				
200	<p>Noise levels are to be managed and monitored in accordance with the approved noise management plan. If relevant noise standards are exceeded the co-proponents shall take all reasonable steps to ensure that measures are put in place to meet the standards:</p> <p>a) for construction works, within 1 week of the exceedance being identified; and</p>	Operation	NHS	<p>During the reporting period noise levels were management and monitored in accordance with the conditions of approval.</p> <p>No complaints were received regarding noise during the reporting period.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	b) for operational activities, within 6 months of the exceedance being identified.				
201	<p>Amplified music or noise on the site shall be managed on the following basis:</p> <p>a) any amplified music or noise or ambient dining music shall not exceed the LAeq noise level of 50 dB(A) as measured up to 20 metres away from the edge of the building in which the music or noise is being generated;</p> <p>b) outdoor amplification may only occur during the day period and must not exceed LAeq noise level of 50 dB(A), as measured at any point along the existing fence line (as at 2017) to the beach area; and</p> <p>c) ambient dining music in the outdoor eating area adjacent to the Boilerhouse Restaurant (Building A6) during the evening and night time period is restricted to the following times:</p> <ul style="list-style-type: none"> <li>March to April (inclusive): no restriction;</li> </ul>	Operation	NHS	<p>During the reporting period noise levels were management and monitored in accordance with the conditions of approval.</p> <p>Noise levels are managed with cut-off devices on all audit visual equipment to ensure they do not exceed the stated noise levels.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>• May to July (inclusive): not permitted at any time; and</li> <li>• August to February (inclusive) not permitted from sunset.</li> </ul>				
201A	<p>Within one year of the date of determination of Modification 3, the co-proponents shall provide a Noise Validation Report (NVR) to the satisfaction of the Secretary. The NVR shall:</p> <ul style="list-style-type: none"> <li>a) be prepared by a suitably qualified acoustic consultant;</li> <li>b) include noise monitoring results collected during the previous twelve months, including results from at least half of the maximum capacity events held within the twelve month period;</li> <li>c) verify compliance with the operational noise limits under Term 201;</li> <li>d) identify mitigation and/or management measures required to ensure compliance with the operational noise limits in Term 201;</li> </ul>	Operation	Mawland	The Noise Validation Report was provided to NSW Planning as required by the condition.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>e) include detail of all complaints received by the site from the previous twelve months; and</p> <p>f) include details of ongoing periodic noise testing and complaints handling procedures.</p>				
202	<p>Even if relevant industry and technical standards for noise management are met, the DEC may direct the co-proponents to take appropriate measures to reduce or alter noise levels, or to implement measures earlier than the time-frames specified in condition 200), after considering monitoring information for the Long-nosed Bandicoot and Little Penguin populations. The co-proponents shall comply with any such directions.</p>	Operation	NHS	No such direction has been received.	Not Triggered
<b>WASTE</b>					
203	<p>As part of the EMP, the co-proponents shall prepare and implement a waste management plan to address the handling, stockpiling and disposal of wastes and construction materials during all phases of the activity. The</p>	Operation	Mawland	A Waste Management Plan was prepared in 2005 and will be reviewed as part of the Site Wide Plans.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>plan shall include, but not be limited to, the following:</p> <ul style="list-style-type: none"> <li>a) procedures to ensure that demolition and construction materials are stockpiled clear of environmentally sensitive areas;</li> <li>b) waste avoidance and reduction measures, including strategies for recycling and re-use of waste materials;</li> <li>c) procedures for the removal and disposal of waste at an appropriately licensed facility, including asbestos material;</li> <li>d) on-site education and signage to promote and encourage “no feeding” rules for wildlife and appropriate waste disposal procedures; and</li> <li>e) procedures for regular litter inspection and collection.</li> </ul>				
204	<p>All handling, stockpiling and disposal of wastes and construction materials shall be undertaken in accordance with the waste management plan and all necessary licenses, permits or other approvals must be obtained by the co-proponents.</p>	Operation	Joint	<p>The handling, stockpiling and disposal of wastes and construction materials are undertaken in accordance with the Waste Management Plan.</p>	Compliant



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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The Waste Management Contractor is licensed to remove and dispose of the waste.

**SITE MANAGEMENT**

**Emergency And Evacuation Plan**

205	<p>Prior to the commencement date the co-proponents shall submit an emergency and evacuation plan for the site to the DEC for approval. The plan will be prepared in consultation with the NSW Ambulance Service, NSW Police and NSW Fire Brigade and shall address, but not be limited to:</p> <ul style="list-style-type: none"> <li>a) emergency and/or evacuation procedures for a range of incidents, including spillages, boat collisions, fire, bomb threats, power blackout, personal injury, disturbance to human burial sites, etc;</li> <li>b) interim site fire safety measures to be provided until the upgrade of the fire hydrant system has been completed (condition 211);</li> <li>c) safety and emergency signage;</li> </ul>	Construction	Mawland	<p>The Visitor Management Plan was approved by National Parks and Wildlife Division on 13 July 2005 and DIPNR on 10 August 2005 and includes an Emergency and Evacuation Plan at section 7. The Plan was implemented.</p> <p>The Visitor Management Plan will be reviewed with the Site Wide Plans in 2023.</p>	Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>d) an emergency alarm system;</li> <li>e) the location of evacuation points and an evacuation procedure;</li> <li>f) regular testing of the system;</li> <li>g) emergency equipment and appropriate storage locations;</li> <li>h) staff training; and</li> <li>i) emergency contact details for relevant staff.</li> </ul> <p>Once approved, the co-proponents shall implement the plan.</p>				
206	All staff shall be made aware of the plan and its provisions and be trained in the operation of emergency equipment. Records of staff training will be kept by the co-proponents and included as part of the annual environmental report (see condition 221).	Operation	NHS	All staff are made aware of the emergency and evacuation plan and are trained in the operation of emergency equipment. Records of staff training are held by the General Manager of Q Station.	Compliant
207	The plan is to be displayed at prominent locations within the site and is to clearly highlight the recommended actions and 24 hour telephone contacts for emergency situations.	Operation	NHS	The plan is in every room near the door and in all room compendiums and restaurants. The plan is also located at reception.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
208	The co-proponents shall undertake a review of the plan every five years after the commencement date for the duration of the activity or earlier if considered necessary by the DEC. The review shall be prepared in consultation with the agencies specified in condition 205). On the basis of the review the co-proponents shall, as necessary, prepare a revised Emergency and Evacuation Plan to be submitted to the DEC for approval.	Operation	NHS	The Visitor Management Plan will be reviewed with the Site Wide Plans in 2023.	Non - Compliant
<b>Fire Safety</b>					
209	The co-proponents shall prepare a fire safety schedule for each building on the site. The schedule shall be submitted to DEC for approval prior to occupation or use of a building on the site for the activity. The schedule shall be prepared in accordance with the NPWS Construction Assessment & Approvals Procedure and the following specific requirements:	Construction	Mawland	A fire safety schedule was prepared and submitted to DPE Planning	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>a) be prepared by a Fire Protection Consultant with at least 5 years' experience;</li> <li>b) identify fire safety services to be installed (including type of service, location and other specifications) to meet BCA standards (or an acceptable alternative);</li> <li>c) identify interim fire safety measures that could be implemented to allow the use of buildings in the short term; and</li> <li>d) provide a statement outlining the potential impact of the work on the heritage significance of the building, and proposed mitigative measures.</li> </ul>				
210	<p>No building on the site shall be occupied or used after the commencement date until such time as fire safety measures have been implemented and an interim or final Fire Safety Certificate issued in accordance with the NPWS Construction Assessment and Approvals Procedure. This includes any purposes that were being undertaken prior to the commencement date. In the event of any inconsistency this condition</p>	Construction	Mawland	A Fire Safety Certificate was issued	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	shall prevail over any other condition of approval (with the exception of condition 50).				
211	<p>The co-proponents shall also undertake the following fire safety measures:</p> <ul style="list-style-type: none"> <li>a) all buildings are to be brought up to BCA standards for fire safety (or an acceptable alternative). This shall occur in stages to match the staging plan for works, as amended by condition 31);</li> <li>b) an upgrade of the fire hydrant system to meet NSW Fire Brigade standards shall be completed within 5 years of the commencement date. In the meantime, the co-proponents shall ensure that the fire measures detailed in the emergency and evacuation plan (condition 205) are in place and functioning;</li> <li>c) an annual fire safety statement of the site buildings, prepared in accordance with the NPWS Construction Assessment &amp;</li> </ul>	Operation	NHS	<p>Celsius Fire are the main contractor providing monthly/6 monthly inspections on all fire suppression equipment. This includes fire extinguishers, fire hose reels, smoke and fire alarms in all rooms and a sprinkler system to all buildings from P1-P12. The central fire hydrant system is also tested.</p> <p>The fire control panels are registered with ADT who monitor all faults and advise North Head Sydney accordingly. If there is a major fault in the system from smoke alarms /sprinklers the local fire brigade is alerted and attend to the situation.</p>	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>Approvals Procedure, shall be submitted for DEC approval; and</p> <p>d) the co-proponents shall comply with the terms of any fire safety order issued by or on behalf of the DEC.</p>				
<b>Bushfire Management Plan</b>					
212	The co-proponents are to liaise with the DEC and any other relevant authorities to ensure that the provisions of any adopted bushfire management plans applicable to the site are implemented.	Operation	NPWS	<p>Bushfire management plans require review.</p> <p>North Head Fire Management Strategy last reviewed 2014.</p> <p>REF Clearing, Trimming and Management of Vegetation – QS last reviewed in 2009.</p>	Non-Compliant
<b>HOURS OF OPERATION</b>					
213	<p>All construction activities, including entry and departure of heavy vehicles, shall be restricted to the following hours:</p> <p>a) <b>during daylight savings (ie. summer)</b> - 7am – 6pm Monday to Friday, 8am-1pm Saturday;</p>	Operation	NHS	There was no construction activity during the reporting period.	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>b) <b>at other times (ie. winter)</b> - 7am – 5pm Monday to Friday, 8am-1pm Saturday; and</p> <p>c) <b>Sundays or public holidays</b> - no work is to be undertaken, except for emergency works or minor, low noise activities such as painting.</p>				
214	<p>The hours of operation for specific uses shall be as follows:</p> <p>a) <b>restaurant in A6</b> – closed to the public by 11.00 pm;</p> <p>b) <b>conferences and functions</b> – no organised visitor activity past 11.00 pm; and</p> <p>c) <b>night tours</b> – the 1918 Night Experience sound and light show to conclude by 11.00 pm. The Late Ghost Tour to conclude by 12.00 midnight.</p>	Operation	NHS	The hours of operation of the stated specific uses are in accordance with the condition of approval.	Compliant
215	Service providers and contractor vehicles may only access and exit the site between 7.00 am and 12.00 pm (mid-day). This does not apply to vehicles involved in the undertaking of construction or conservation works.	Operation	NHS	Except for conservation works the access and exit of all service providers and contractors' vehicles complied with the condition of approval during the reporting period.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
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There were no construction works during the reporting period.

**MONITORING AND AUDITING PROGRAM**

**Monitoring**

216	<p>Within twelve months of the commencement date an integrated monitoring program for the activity shall be prepared by the co-proponents and submitted for approval of DEC and DIPNR. The program shall be prepared in consultation with the Heritage Council and other relevant authorities. Implementation of the program shall commence no later than three months from the date of approval of the program.</p> <p>The primary aim of the program shall be to monitor over time the effects of the activity on the significance of the Quarantine Station site and immediately adjoining areas (such as Quarantine Beach and the Wharf), and to identify the need to develop and implement strategies to respond to any adverse impacts identified. An integrated monitoring program shall be</p>	Operation	Joint	An Integrated Monitoring and Adaptive Management System (IMAMS) programme was developed in 2006 and operated until 2020. A review of this system was requested by DPIE.	Non-Compliant
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CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>implemented for the life of the activity and shall address:</p> <ul style="list-style-type: none"> <li>a) the feature or issue to be monitored;</li> <li>b) how the monitoring will be undertaken (eg. methods) and who will undertake this work;</li> <li>c) frequency of monitoring; and</li> <li>d) a process for reviewing the results of monitoring and identifying measures to be implemented to respond to impacts, and/or to meet the requirements of the approval.</li> </ul>				
217	<p>The program shall include, but is not limited to, the following matters:</p> <ul style="list-style-type: none"> <li>a) visitor access information – see conditions 135) and 156);</li> <li>b) the interpretive program, and whether it is achieving its goals (to include consideration of quality of visitor experience, visitor understanding and presentation performance) (condition 100);</li> <li>c) Aboriginal heritage – including the condition of physical sites (condition 70);</li> <li>d) non-Aboriginal heritage – including the condition of buildings and structures, landscape features,</li> </ul>	Operational	Joint	Noted	Non - Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>moveable heritage and conservation works progress (conditions 78) and 85);</p> <p>e) flora and fauna - including general monitoring during construction and operation phases, as well as specific strategies for monitoring threatened species, including the Little Penguin and the Long-nosed Bandicoot (conditions 167) and 177)-178);</p> <p>f) seagrasses (condition 184);</p> <p>g) soil and erosion (conditions 197)-198);</p> <p>h) noise (condition 199);</p> <p>i) stormwater management, including water quality (condition 104);</p> <p>j) infrastructure – consumption and capacity (water, sewer, gas, etc – condition 105);</p> <p>k) waste management (condition 203); and</p> <p>l) staff and contractor training – including induction programs (conditions 64) and 65) and emergency training (condition 206)</p>				
218	On the basis of the outcomes of the integrated monitoring program, the co-	Operation	Joint	No adjustment of the activities on the site was required during	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	proponents shall, subject to DEC and any other approvals required as specified in the conditions of approval, use the adaptive management system to adjust the undertaking of the activity to conserve the significance of the site.			the reporting period to conserve the significance of the site	
219	As part of the annual environmental report (condition 221) and comprehensive audit (condition 226), the co-proponents shall produce a monitoring report outlining results from the integrated monitoring program. The report shall: <ul style="list-style-type: none"> <li>a) include an analysis of monitoring results and trends collected over time; and</li> <li>b) identify measures taken or proposed to be undertaken to respond to any adverse or unexpected impacts identified.</li> </ul>	Operation	Joint	A monitoring report from each of the co proponents will be attached to this report.	Compliant
220	The co-proponents shall undertake a regular review of the overall integrated monitoring program concurrent with or prior to the ongoing comprehensive audits of the activity (condition 228). The review shall be undertaken in consultation with the relevant authorities. On the basis of the review	Operation	Joint	Noted, next comprehensive audit is due in 2026. Pending that audit the co proponents will undertake regular reviews of the program, the first of which was during the reporting period.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	the co-proponents shall, as necessary, prepare a revised program to be submitted to the DEC and DIPNR for approval.				
<b>Annual Environmental Report</b>					
221	An annual environmental report for the activity shall be prepared by the co-proponents and submitted to the DEC, DIPNR, NSW Heritage Council, Waterways Authority, NSW Fisheries and the Quarantine Station Community Committee for comment. In reviewing the annual environmental report these organisations are to specifically consider issues associated with visitor impacts arising from the activity.  <i>Note: Waterways Authority is now Transport for NSW.</i>	Operation	Joint	This Annual Environmental Report for 2022 will be submitted to the authorities mentioned in the condition of approval and include comments from those authorities.	Compliant
222	In submitting the report in accordance with condition 221), the co-proponents shall identify a timeframe for the receipt of comments. As a minimum, the organisations listed in condition 221) shall have 4 weeks to provide comment, starting from the date on which they receive the report. An extension of the timeframe for comments may be agreed	Operation	Joint	See Section 1.2 for details of stakeholders and review timeframes.	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	between the relevant organisation(s) and the co-proponents.				
223	The co-proponents shall submit the first environmental report approximately 12 months after the commencement date, although this may be adjusted if agreed by the DEC to match the end of the calendar or financial years or to coincide with the staging plan (condition 31), and at annual intervals thereafter. No annual report is required in the year that a comprehensive audit is due (condition 228).	Operation	Joint	The co-proponents shall submit the 2022 Annual Environmental Report in accordance with the Direction issued by DPE on 8 November 2022.	Compliant
224	The annual environmental report shall: <ol style="list-style-type: none"> <li>a) state how the co-proponents have complied with relevant approval conditions;</li> <li>b) include the outcomes of the annual monitoring report (condition 219);</li> <li>c) state any measures taken or proposed by the co-proponents to respond to issues arising from:                             <ul style="list-style-type: none"> <li>• the integrated monitoring program</li> <li>• consultations with the community; and</li> </ul> </li> </ol>	Operation	Joint	The 2022 Annual Environmental Report will be prepared in accordance with the <i>Compliance Reporting Post Approval Requirements</i> (DPIE, 2020).	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	d) state any recommendations from the co-proponents regarding the undertaking of the activity, if considered necessary.				
225	<p>The co-proponents shall take all reasonable steps to comply with any requirements of the DEC, DIPNR, NSW Heritage Council, NSW Fisheries and Waterways Authority in regard to the outcomes of the annual environmental report. The co-proponents shall also consider the recommendations and comments of the Quarantine Station Community Committee and provide a response to the Committee.</p> <p><i>Note: Waterways Authority is now Transport for NSW.</i></p>	Operation	NPWS	Noted	Compliant
<b>Audit</b>					
226	A comprehensive audit of the activity shall be prepared by a suitably qualified, experienced and independent person in accordance with the timeframes specified in condition 228), for the duration of the activity. The audit process shall be consistent with ISO 14010 – Guidelines and General Principles for Environmental Auditing	Operation	Joint	The next Comprehensive Audit Report is not due until 2026	Not Triggered

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	and ISO 14011 – Procedures for Environmental Auditing, or updated versions of these.				
227	The co-proponents shall meet the cost of the comprehensive audit. The appointment of the auditor shall be approved by the DEC and DIPNR.	Operation	Joint	Noted	Not Triggered
228	Preparation of the first comprehensive audit report shall coincide with the conclusion of stage 2 of the staging plan (condition 31). Subsequent comprehensive audit reports shall then be undertaken every 5 years after the commencement date, although this may be adjusted if agreed by the DEC to link with the timing of the annual environmental reports (condition 223).	Operation	Joint	Noted	Compliant
229	The audit shall address, but not be limited to: <ul style="list-style-type: none"> <li>a) the environmental performance of the activity and its effects on the environment;</li> <li>b) compliance by the co-proponents with the approval conditions;</li> </ul>	Operation	Joint	Noted	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<ul style="list-style-type: none"> <li>c) the adequacy of the integrated monitoring program and EMP;</li> <li>d) the adequacy of measures taken or proposed by the co-proponents to respond to issues arising from:                             <ul style="list-style-type: none"> <li>• the integrated monitoring program; and</li> <li>• consultations with the community;</li> </ul> </li> <li>e) consideration of the key impact predictions made in the EIS and PAS using information from the integrated monitoring program;</li> <li>f) the adequacy and functioning of the information management and GIS system (once in place – conditions 66)-69); and</li> <li>g) any other matters considered necessary by the DEC, Heritage Council, Waterways Authority or DIPNR.</li> </ul>				
	<p>The audit report may recommend measures or actions to improve the environmental performance of the activity and/or its environmental management and monitoring systems, if these are considered necessary</p>				



CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
230	<p>A draft comprehensive audit report shall be submitted by the auditor to the co-proponents, DEC, DIPNR, NSW Heritage Council, Waterways Authority, NSW Fisheries and the Quarantine Station Community Committee for comment.</p> <p><i>Note: Waterways Authority is now Transport for NSW.</i></p>	Operation	Joint	Noted	Compliant
231	<p>In submitting the report in accordance with condition 230), the auditor shall identify a timeframe for the receipt of comments. As a minimum, the organisations listed in condition 230) shall have 6 weeks to provide comment, starting from the date on which they receive the report. An extension of the timeframe for comments may be agreed between the relevant organisation(s) and the auditor.</p>	Operation	Joint	Noted	Compliant
232	<p>The auditor shall consider comments received from the organisations listed in condition 230) and prepare and submit a final audit report to the DEC and DIPNR. Based on the outcomes of the final audit report, and after considering any comments provided by the</p>	Operation	Joint	Noted	Compliant

CoPA	Compliance requirement	Development phase	Responsibility (NPWS, North Head Sydney or Joint)	Evidence and comments	Compliance status
	<p>organisations listed in condition 230), the DEC and/or DIPNR may require the co-proponents to address certain matters identified in the audit. The co-proponents shall comply with any such requirements.</p>				
233	<p>If, after considering the outcomes of the comprehensive audit, the DEC, DIPNR and/or the co-proponents consider that significant revisions to the undertaking of the activity or mitigative measures are required to protect the significance of the site, any such proposed revisions will be submitted to the Minister for Infrastructure, Planning and Natural Resources. Prior to the Minister for Infrastructure, Planning and Natural Resources agreeing to any significant revisions, the details of the proposal are to be made available for public comment. The co-proponents shall comply with any reasonable directions of the Minister.</p>	Operation	Joint	Noted	Compliant

SCHEDULE 2

**ELEMENTS OF ACTIVITY NOT APPROVED (CONDITION 17)**

The following aspects of the activity are not approved as part of this application

Location	Element refused and additional comments	Comments	Compliance Status
<b>Wharf Precinct</b>			
Concrete stormwater pipe at Quarantine Beach.	<ul style="list-style-type: none"> <li>The proposed alterations are not approved as there is insufficient information in the current application to assess the potential environmental impacts.</li> </ul>	There has been no application seeking approval for this aspect of the activity.	Not Triggered
Open area between A7, A8 and A11-12	<ul style="list-style-type: none"> <li>Power poles - the removal of overhead powerpoles is not approved, except where they are to be replaced with new poles of a similar size and materials (DACMP CPP 16.8.2).</li> </ul>	There has been no application seeking approval for this aspect of the activity.	Not Triggered
A12	<ul style="list-style-type: none"> <li>The interior wall and ceilings of A12 are not to be re-painted, but may be sealed to prevent deterioration.</li> </ul>	There has been no application seeking approval for this aspect of the activity.	Not Triggered
First cemetery	<ul style="list-style-type: none"> <li>markers is not approved. Interpretation of the cemetery should not overtly herald its presence to people moving through the site (Landscape Date Sheet L01, L01a).</li> </ul>	There has been no application seeking approval for this aspect of the activity.	Not Triggered
<b>Administration Precinct</b>			
Building S2	<ul style="list-style-type: none"> <li>The extension to the timber verandah is not approved as this would adversely alter the external configuration of the building, which makes a strong aesthetic</li> </ul>	There has been no application seeking approval for this aspect of the activity.	Not Triggered

Location	Element refused and additional comments	Comments	Compliance Status
	<p>contribution to the centre and core areas of the site (DACMP Building Data Sheet S02).</p> <ul style="list-style-type: none"> <li>• However, if the preparation of detailed design plans for the building indicates that alterations to the verandah are necessary to accommodate disabled access, then these may occur subject to approval of the design and construction plans. Refer also Schedule 3.</li> </ul>		
Building S4	<ul style="list-style-type: none"> <li>• Changes to the bathroom fitout are not approved as it is a rare surviving fitout of an early bathroom on the site. Any adaptation of the bathroom must retain the fabric specified in DACMP Building Data Sheet S04.</li> <li>• Reconstruction of the verandah based on research may occur.</li> </ul>	There has been no application seeking approval for this aspect of the activity.	Not Triggered
Building S10	<ul style="list-style-type: none"> <li>• Demolition of the verandah structure is not approved, however removal of the AC infills may occur, consistent with DACMP Building Data Sheet S10.</li> </ul>	There has been no application seeking approval for this aspect of the activity.	Not Triggered
Building S12	<ul style="list-style-type: none"> <li>• The conversion of the laundry to a bathroom is not approved as it is a largely intact and rare example on the site (DACMP Building Data Sheet S12).</li> </ul>	There has been no application seeking approval for this aspect of the activity.	Not Triggered
<b>First and Second Class Precincts</b>			
Eastern perimeter of road through	<ul style="list-style-type: none"> <li>• Power poles - the removal of overhead power poles is not approved, except where they are</li> </ul>	There has been no application seeking approval for this aspect of the activity.	Not Triggered

Location	Element refused and additional comments	Comments	Compliance Status
First and Second Class	to be replaced with new poles of a similar size and materials (DACMP CPP 16.8.2).		
Gravel path from P12 to top of the Funicular stairway	<ul style="list-style-type: none"> <li>The proposal gravel path (as shown in Figure 2.1 of the PAS) is not approved, as this is an area of potential foraging habitat for Long-nosed Bandicoots and in accordance with DACMP Policy GCP13.3.29.</li> </ul>	There has been no application seeking approval for this aspect of the activity.	Not Triggered

SCHEDULE 3

**ASPECTS OF THE PROPOSAL APPROVED SUBJECT TO MODIFICATION OR DETAILED DESIGN (CONDITION 18)**

The following aspects of the proposal are approved, subject to achievement of the specific outcomes and objectives shown in the table and:

- Compliance with the Quarantine Station Archaeological Management Plan (AMP)
- Any necessary approvals being obtained from the NSW Heritage Council; and
- Compliance with the NPWS Construction Assessment and Approvals Procedure

Approved	Specific Outcomes / Objectives	Comments	Compliance Status
Cross Precinct Issues			
Various buildings: methods for cooling and heating rooms	<ul style="list-style-type: none"> <li>• Rooms to be used for dining, kitchens, function and conference related purposes, as well as archival or records storage and administration may include appropriate contemporary technologies for cooling and heating, which includes installation of room air-conditioning in accordance with Heritage Council approval dated 2 March 2017 that can be reversed at any time.</li> <li>• Ceiling fans may be installed in other buildings, with preference to fans mounted over the ceiling light to minimise fabric impact.</li> <li>• Details of any proposed cooling and heating systems shall be included in the construction works application for the particular building. The application must demonstrate that the proposed system:                             <ul style="list-style-type: none"> <li>○ Will have as little adverse impact on significant fabric as practicable;</li> <li>○ Will not have significant adverse visual impacts; and</li> </ul> </li> <li>• Is clearly capable of being removed, and fabric reinstated, at some future point consistent with the principle of reversibility.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered

Road repairs	<ul style="list-style-type: none"> <li>No timber kerbs are to be installed as this is contrary to the DACMP policy GCP 13.3.43, which states that new retaining walls (this includes kerbs) should be sympathetic to neighbouring examples in terms of scale, material and texture.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Lower Reservoir – water reservoirs/tanks	<ul style="list-style-type: none"> <li>Full details of the proposed design and layout of the water reservoirs and associated infrastructure are to be submitted to the DEC. This shall include evidence of consultation with Sydney Water (condition 16).</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Excavation and installation of second water network for fire purposes	<ul style="list-style-type: none"> <li>Relevant assessments are to be undertaken in accordance with the Archaeological Management Plan.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Symbolic fences	<ul style="list-style-type: none"> <li>Location and design options for the symbolic fences are to be addressed in the outdoor visitor infrastructure plan (condition 112). Documentary evidence of earlier fences and/or boundary markers must be considered.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Artificial foraging habitat for Long-nosed Bandicoots – below P1, A28-29, P3, P5, P7 and near CP5	<ul style="list-style-type: none"> <li>Habitat reconstruction and/or rehabilitation shall only occur in accordance with the revised habitat assessment (condition 165).</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
<b>Wharf Precinct</b>			
Removal or modification of the existing fence along the beachfront.	<p>Any modification or replacement of the existing fence shall occur in accordance with the following criteria:</p> <ul style="list-style-type: none"> <li>the design and materials will reflect the historic separation of uses and the need to provide adequate security (especially at night), but may</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered

	<p>allow for improved views and reduced visual impacts;</p> <ul style="list-style-type: none"> <li>• limited openings in the fence may be provided, but must be capable of being closed for security reasons. Suitable areas include near the wharf and behind building A7;</li> <li>• there shall be no openings at the northern end of the beach in the immediate vicinity of the outdoor eating area at A6, with the exception of openings to assist the movement of Little Penguins. Any existing openings in this area are to remain closed and are not to be available for general public access to the beach;</li> <li>• any openings shall be of the minimum width necessary, but may be capable of being expanded in the event of an emergency;</li> <li>• any openings are to include measures to protect the dunes and grassed areas and to prevent erosion; and</li> <li>• temporary signage is to be provided on the beach during the Little Penguin breeding season, as detailed in condition 175).</li> </ul>		
Waterfront forecourt	<ul style="list-style-type: none"> <li>• Design of sculptures to be approved by DEC.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
A14-17 – Visitor Centre	<ul style="list-style-type: none"> <li>• The theatrettes are to follow the general layout and direction shown in Drawing No. L-A14-17 of the PAS, but options shall be investigated to provide for a greater retention of luggage racks.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Open area between A7, A8 and A11-12	<ul style="list-style-type: none"> <li>• A5 symbolic presentation - removal of the bitumen to uncover footings is to occur in accordance with the provisions of the AMP.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
A6 – shade structures	<p>Indoors</p> <ul style="list-style-type: none"> <li>• The timber platform may be relocated to another area within A6 if necessary.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered



- The construction works application shall specifically address the following matters:
  - Provide details of access and serving arrangements for sit-down and take-away food provision;
  - Details of the proposed mezzanine, which shall be generally in accordance with the preliminary details provided by the Proponent and NPWS on 14 October 2002, and designed to minimise the mezzanine floor area (eg. By efficient table layouts);
  - Demonstrate that the proposal will have as little adverse impact on significant fabric as practicable;
  - Demonstrate that the exhaust flue will have as little adverse visual impact on the external appearance of the building as practicable; and
  - Demonstrate that the finishes, equipment and services required for the restaurant operation are clearly capable of being removed, and fabric reinstated, at some future point consistent with the principle of reversibility.

#### Outdoors

- The boundary of the outdoor eating area must correspond with the beachside building line of A6.
  - The existing coral trees in the vicinity of the outdoor eating area shall be regularly inspected and maintained in accordance with condition 160.
  - A shade structure/s over the outdoor eating area beside the Boilerhouse (Building A6) may be provided in accordance with approval granted by NSW Heritage Division (or any subsequent agency).
  - Individual umbrellas and/or temporary shade structures are permitted in outdoor eating areas,
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	<p>including the wharf area, where there is no permanent shade structure.</p> <ul style="list-style-type: none"> <li>• Any umbrella or shade structure must be positioned as to minimise, to the maximum extent possible, any adverse visual impact. It shall not contain any third-party advertising to the site and its operation.</li> <li>• The colour and nature of shade structures and/or umbrellas is to be neutral and in keeping with the natural environment</li> <li>• The colour, type, location, time limits and frequency of use of umbrellas or any shade structure must be approved by the Heritage Council prior to commencing use.</li> </ul>		
A6 – sewer outlet	<ul style="list-style-type: none"> <li>• The final route is to be determined following completion of assessments in accordance with the AMP and following approval of the Infrastructure Control Plan (condition 105).</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Construction of stairway over the former funicular railway	<p>The final location of the route is to be determined following the outcomes of an archaeological assessment in accordance with the AMP.</p> <ul style="list-style-type: none"> <li>• The stairway width shall be kept to the minimum necessary to comply with BCA requirements.</li> <li>• No viewing or landing platforms shall be constructed, except where these may be necessary to achieve compliance with the BCA.</li> <li>• Preference shall be given to a metal construction, rather than timber, with the physical footprint of the structure kept to the minimum necessary to comply with the BCA.</li> <li>• The structure shall be of a colour that allows it to blend with the surrounding landscape.</li> <li>• The entire route of the former Funicular shall be identified and interpreted.</li> <li>• Lopping, trimming or removal of vegetation adjoining the stairway shall not occur, except</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered

	<p>where this is necessary as part of the stairway construction process or for on-going public safety. Vegetation shall not be removed for the sole purpose of improving views from the stairway.</p>		
Bitumen pathway to hospital	<ul style="list-style-type: none"> <li>Options for managing public access to the inscriptions, including re-alignment of the walkway, are to be considered in development of the Inscriptions Management Plan (condition 95).</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Second Cemetery	<ul style="list-style-type: none"> <li>Options for re-instatement of headstones are to be addressed in the Heritage Landscape Management Plan (condition 91). Any proposal to re-instate headstones must be based on archival evidence regarding the original location of headstones. Where this is not available, the manner of reinstatement must clearly demonstrate this lost knowledge.</li> <li>Any evidence of graves, including clay banking from 1881, shall be retained as per DACMP Landscape Data Sheet L01 and L01a.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Building S9	<ul style="list-style-type: none"> <li>Research into the construction history of the building is required prior to undertaking any works on this building. The results of this research should form the basis for developing an approach to the ongoing use and maintenance of this building.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Building P14-16	<ul style="list-style-type: none"> <li>Detailed design work is to be submitted for proposed alterations to the shower and toilet blocks to address the requirements of the DACMP and relevant public health and educational facility requirements.</li> <li>If the public health and educational facility requirements cannot be met without significant departure from the provisions of the DACMP, then the alterations shall not proceed and alternative bathroom and shower arrangements must be made.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered

	<ul style="list-style-type: none"> <li>• Alternate options to carpeting within this building (eg. rugs) consistent with DACMP requirements for floors must be submitted.</li> </ul>		
Building P28-29	<ul style="list-style-type: none"> <li>• Retention of as much significant fabric as possible in accordance with DACMP Building Date Sheet P28-29.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
<b>Hospital and Isolation Precinct</b>			
H6	<ul style="list-style-type: none"> <li>• Details of the approach to rectifying any problems associated with rising damp are to be submitted.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
H7-11 – accommodation	<ul style="list-style-type: none"> <li>• Details of options for the retention of the 1914-1916 fabric and at least some of the 1958 fabric, in accordance with DACMP requirements, are to be submitted</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
H15	<ul style="list-style-type: none"> <li>• The addition of a free standing timber platform above the ground alongside H15 is approved, subject to the submission of design details that demonstrate this would not significantly alter the form of the building, its appearance, starkness in the landscape or its basic amenity (DACMP Building Date Sheet H15).</li> <li>• The timber platform shall be designed and constructed to be reversible and should be constructed close to the ground to minimise the need for a balustrade.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
<b>Administration Precinct</b>			
S2	<p>Adaptation must retain as much significant fabric as possible as specified in DACMP Building Data Sheet S02. Particular attention shall be given to:</p> <ul style="list-style-type: none"> <li>• retention of as much of the partition layout as practicable;</li> <li>• assess options for providing efficient guest access to the building, including swapping the location of the reception and guest lounge rooms as shown in</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered

	<p>Drawing No. L-S2 of the draft Site Master Plan (EIS Vol. 3);</p> <ul style="list-style-type: none"> <li>• assess options for disabled access to the building; and</li> <li>• removal of the lattice screen to the eastern verandah.</li> <li>• Refer also Schedule 2.</li> </ul>		
S4	<ul style="list-style-type: none"> <li>• Reconstruction of the verandah shall occur following completion of research regarding an appropriate design.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
A28-29 – visitor shelter	<ul style="list-style-type: none"> <li>• Details of the proposed mural are to be submitted to the DEC for approval.</li> <li>• Provision for the retention of as much original fabric as possible shall be made in finalising detailed design plans for this building in accordance with DACMP requirements.</li> <li>• A sub-floor archaeological assessment is to be completed.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
A20	<ul style="list-style-type: none"> <li>• Details of the proposed sampling approach to conservation of fabric, as per DACMP Building Data Sheet A20, are to be submitted.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
A26 – visitor shelter	<ul style="list-style-type: none"> <li>• Details of the proposed mural are to be submitted to the DEC.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
A2	<ul style="list-style-type: none"> <li>• Final design and material details for the entry area being submitted in accordance with the approved Heritage Landscape Master Plan (condition 91).</li> <li>• Adaptation must retain as much fabric as possible as specified in DACMP Building Data Sheet A02.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
<b>First and Second Class Precincts</b>			
Eastern perimeter of road	<ul style="list-style-type: none"> <li>• Service trench – assessments must be completed in accordance with the AMP.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered

through First and Second Class			
P1, P2	<ul style="list-style-type: none"> <li>Complete removal of all wall hot water tanks is not appropriate. Details of a sampling strategy must be submitted.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
P1, P2 and P9	<ul style="list-style-type: none"> <li>Corridors in these buildings shall be retained as a functioning part of the building. That is, they will be available for use by guests. Internal doors from rooms into these corridors must not be permanently sealed.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Re-instatement of badminton base, croquet lawn and tennis court	<ul style="list-style-type: none"> <li>Options for re-instatement are to be addressed in the Heritage Landscape Management Plan (condition 91).</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered
Building P11, P12	<ul style="list-style-type: none"> <li>Consistent with DACMP Building Data Sheets P11 and P12 the reconstruction of former stairs on the western elevation of buildings and the uncovering of fireplaces must be addressed in the construction works application for these buildings.</li> </ul>	No works relating to this aspect of the approval were carried out during the reporting period.	Not triggered

SCHEDULE 4

**WORKS ASSOCIATED WITH THE WHARF (CONDITION 42)**

Condition Number	Condition	Comments	Compliance Status
1	<p>The following information shall be provided with the application:</p> <ul style="list-style-type: none"> <li>a) Four copies of detailed dimensioned working drawings, all signed by the co-proponents (or their delegate), complying with the “Guidelines for Waterside Structures” fully and clearly describing all the proposed works and their components;</li> <li>b) A condition survey report that includes                             <ul style="list-style-type: none"> <li>• Appropriate photographs</li> <li>• A detailed engineering commentary on the structure integrity of appropriate elements of the existing wharf</li> <li>• Appropriate sketches or drawings;</li> </ul> </li> <li>c) A diver’s inspection and pile inspection report;</li> <li>d) Calculations to verify that the existing wharf is structurally sufficient to carry the proposed loads;</li> <li>e) Correspondence from the operator that the wharf will be satisfactory for its intended use; and</li> <li>f) Details of appropriate lighting to the wharf deck</li> </ul>	<p>No works were undertaken to the wharf during the reporting period.</p>	<p>Not triggered</p>

Condition Number	Condition	Comments	Compliance Status
2	<p>The following specifications shall be complied with:</p> <ul style="list-style-type: none"> <li>a) Any parts of the existing wharf that require removal must be completely removed from Waterways Authority land. All piles and piers involved are to be completely withdrawn from the bed of the Spring Cove and not cut off. In accordance with condition 41), where such works require excavation or disturbance of the seabed a separate application and approval under Part 5 of the Environmental Planning and Assessment Act 1979 will be required; and</li> <li>b) All work is to be done in such a way that no construction or demolition debris etc falls, flows or is carried to the bed or waters of the Spring Cove and any such material entering the Cove is to be removed immediately</li> </ul> <p><i>Note: Waterways Authority is now Transport for NSW.</i></p>	<p>No works were undertaken to the wharf during the reporting period.</p>	<p>Not triggered</p>
3	<p>Prior to commencement of use of the wharf, the following works must be undertaken to the satisfaction of the Waterways Authority:</p> <ul style="list-style-type: none"> <li>a) Installation of lifebuoys and ladders on the wharf;</li> <li>b) The top ½ metre of the mooring/fender piles shall be painted and kept painted white: all other elements of the facility shall be left</li> </ul>	<p>No works were undertaken to the wharf during the reporting period.</p>	<p>Not triggered</p>



Condition Number	Condition	Comments	Compliance Status
	c)	<p>unpainted or, if painting is required, be painted in a mid grey colour with matt finish; and</p> <p>Installation of signage indicating that the wharf is for use by the public ferry service only and is not available for private access or mooring.</p>	

SCHEDULE 5

**LONG-NOSED BANDICOOTS – MONITORING REQUIREMENTS (CONDITION 167)**

The co-proponents shall undertake the following monitoring program

1. The co-proponents will negotiate with the DEC an annual contribution to assist the on-going implementation of any monitoring programs established as part of the Long-nosed Bandicoot Recovery Plan (once adopted). The contribution will be adjusted annually to reflect changes in the CPI.
2. The following specific elements shall also be monitored by the co-proponents

Element	Timing	Methods	Responsibility (NPWS, North Head Sydney, or Joint)	Comments	Compliance Status
Bandicoot activity and use of foraging habitat	To commence within one month of the commencement date	Monitoring will be undertaken using spotlight transects and surveys of Long-nosed Bandicoot diggings on a three monthly basis and will compare areas generally unaffected by the proposal (control areas) with areas potentially affected by the proposal (either by construction activities or visitors).	NPWS	NPWS replaced bandicoot foraging activity monitoring with bandicoot cage-trapping. Bandicoot cage-trapping monitoring was undertaken in May 2022.  NPWS will seek to amend the monitoring methodology and lodge a modification to the Planning conditions in 2023.	Non-Compliant
Any enhanced, reconstructed or rehabilitated habitat established in accordance with condition 165)	To commence within one month of the works being completed	See above, but also to include identification of what use bandicoots are making of the enhanced habitat areas, i.e. foraging, shelter, nesting.	NPWS	No habitat enhancement works were undertaken during the reporting.	Not Triggered

Element	Timing	Methods	Responsibility (NPWS, North Head Sydney, or Joint)	Comments	Compliance Status
<p>Deaths of Long-nosed Bandicoots attributable to vehicles. Road-deaths are taken to include any bandicoot remains identified on or next to roads</p>	<p>To begin within one month of the commencement date and to occur for the duration of the approval.</p>	<p>Road-death monitoring shall be conducted by an appropriately trained and licensed person on a daily basis, within two hours of sunrise and is to be undertaken by driving set routes at slow speeds.</p> <ul style="list-style-type: none"> <li>• monitored roads are to include all public roads within Sydney Harbour National Park i.e. Blue Fish Road, Collins Beach Road, North Head Scenic Drive from the Parkhill Archway to the North Head look out, and the internal roads with the Quarantine Station.</li> <li>• road deaths are to be recorded on a publicly accessible mortality register, noting basic morphological details (age, sex and condition), the date, the name of the recorder, microchip number of the animal (if present) and the location plotted using a GIS-based map (see also conditions 169A and 66). For the</li> </ul>	<p>NHS</p>	<p>Q-Station staff are on site 24/7 and conduct monitoring as part of routine operations.</p> <p>Road deaths are recorded on a mortality register and a road mortality sign is clearly visible to the public after stone entrance to North Head National Park. The sign includes a 24 hour phone number to allow members of the public to inform the lessor of any mortalities and what to do if an injured bandicoot is found.</p>	<p>Compliant</p>

Element	Timing	Methods	Responsibility (NPWS, North Head Sydney, or Joint)	Comments	Compliance Status
		<p>purposes of road mortality monitoring an adult Long-nosed Bandicoot is defined as: female – 450 grams or heavier; male –heavier than 650 grams.</p> <ul style="list-style-type: none"> <li>opportunities are to exist for the public to provide notification of road deaths that can be verified by a dead specimen or adequate photographic evidence.</li> </ul> <p>where the cause of death or the age of the individual cannot be determined at the time of notification, the remains are to be collected and stored and a necropsy undertaken as soon as possible. Costs of the verification process shall be met by the co-proponents.</p>			

SCHEDULE 6

**LONG-NOSED BANDICOOTS: ADAPTIVE MANAGEMENT – ROAD MORTALITIES (CONDITION 169)**

Trigger	Trigger mechanisms	Responsibility (NPWS, North Head Sydney or Joint)	Comments	Compliance Status
Boundary of road mortality monitoring	For the purposes of applying the following trigger mechanisms, Long-nosed Bandicoot road mortalities are those adult mortalities recorded in accordance with the methods specified in Schedule 5 but only for internal roads of the Quarantine Station.	Joint	Noted, schedule 6 triggers have been applied to internal roads of Quarantine Station only.	Compliant
Trigger 1	If the level of private vehicle traffic generated by the proposal increases 10% above the projected levels measures shall be introduced to reduce traffic volumes to below these levels and as close as possible to the original projections. Trigger 1 will apply regardless of whether the following triggers have been reached and visa versa (e.g. Trigger 2 could occur first, with Trigger 1 occurring at a later stage).	NHS	Private vehicle traffic has not increased as such vehicles are not allowed on site.  A boom gate operates by Q Station reception staff to limit private vehicle access.	Not Triggered
Trigger 2	If in any six-month period there are 2 recorded adult road mortalities above the background level then the co-proponents must implement the following measures, unless otherwise agreed by the DEC:  (a) seek approval from the relevant authorities (including Council if necessary) to install additional traffic calming devices and signage at appropriate locations within or outside of the site as informed by the mortality	Joint	One bandicoot mortality was recorded during the reporting year which is below the threshold.	Not Triggered

Trigger	Trigger mechanisms	Responsibility (NPWS, North Head Sydney or Joint)	Comments	Compliance Status
	<p>register (Schedule 5) and GIS (Condition 66);</p> <p>(b) investigate the feasibility of providing road-side fencing to create defined road-crossing points for Long-nosed Bandicoots, particularly using the existing traffic calming devices; and</p> <p>(c) reduce the frequency and alter the timing of functions, conferences and activities (e.g. scheduling finishing times of activities to minimise traffic leaving or arriving at the site after sunset). With the exception of any additional traffic calming devices, fencing and signage, the measures may be reversed with approval from the DEC if adult road deaths return to less than 2 above the background level for six consecutive months.</p>			
Trigger 3	<p>If the measures in Trigger 2 above have been applied and adult road mortalities continue to exceed 2 deaths above the background level for a further six months then the co-proponents shall also implement the following measures, unless otherwise agreed by the DEC:</p> <p>(a) implement a sunset-to-sunrise curfew for overnight guest and day visitor private vehicles arriving at or leaving the site (including CP1 if at least half the mortalities have occurred outside of the site). During the curfew:</p> <ul style="list-style-type: none"> <li>o buses and coaches may continue to access the site in</li> </ul>	Joint	Trigger 2 was not triggered this reporting year	Not Triggered

Trigger	Trigger mechanisms	Responsibility (NPWS, North Head Sydney or Joint)	Comments	Compliance Status
	<p>accordance with conditions 150) and 151);</p> <ul style="list-style-type: none"> <li>○ the shuttle bus may continue to run from CPI to areas within the site; and</li> <li>○ staff may continue to access and park in CP5 at all times;</li> </ul> <p>(b) provide a night shuttle bus service between Manly and the site (or some other means of public transport); and</p> <p>(c) implement measures identified in the assessment of habitat reconstruction and rehabilitation options (condition 165) that have not already been undertaken.</p> <p>The curfew must be implemented within 2 weeks of the six month mortality information becoming available. The curfew may be lifted and the shuttle bus service concluded with approval from the DEC once adult road mortalities return to less than 2 above the background level for six consecutive months.</p>			
Trigger 4	<p>If the measures in Trigger 3 above have been applied and adult road mortalities continue to exceed 2 deaths above the background level for a further six months then the co-proponents shall also implement the following measures, unless otherwise agreed by the DEC:</p> <ul style="list-style-type: none"> <li>• implement a total day and night ban on all guest and visitor private vehicles entering the site (including CP1 if at least half the mortalities</li> </ul>	Joint	Not triggered this reporting year.	Not Triggered

Trigger	Trigger mechanisms	Responsibility (NPWS, North Head Sydney or Joint)	Comments	Compliance Status
	<p>have occurred outside the site).                      During the ban:</p> <ul style="list-style-type: none"> <li>○ buses and coaches may continue to access the site in accordance with conditions 150) and 151);</li> <li>○ the shuttle bus may continue to run from CPI to areas within the site; and</li> <li>○ if at least half the mortalities have occurred inside the site, staff may only park in CP1 (with no restrictions on timing) otherwise staff may continue to access and park in CP5 at all times; and</li> </ul> <ul style="list-style-type: none"> <li>• provide a day and night shuttle bus service between Manly and the site (or some other means of public transport).</li> </ul> <p>The ban must be implemented within 4 weeks of the six month mortality information becoming available. The ban and associated restrictions may be lifted with approval from the DEC once adult road mortalities return to less than 2 above the background level for 12 consecutive months.</p>			
<p>Trigger 5 – potentially catastrophic events</p>	<p>If there are 10 adult road mortalities or more in any one month period or 15 or more in any consecutive three-month period, then all the measures identified in Triggers 2, 3 and 4 shall be implemented, unless otherwise agreed by the DEC. Where these are inconsistent, the more</p>	<p>Joint</p>	<p>Not triggered this reporting year</p>	<p>Not Triggered</p>



Trigger	Trigger mechanisms	Responsibility (NPWS, North Head Sydney or Joint)	Comments	Compliance Status
	<p>restrictive of the measures is to apply).</p> <p>The measures must be implemented within 2 weeks of the mortality information becoming available. The measures may only be reversed with approval from the DEC if adult road mortalities are less than the background level for 12 consecutive months.</p>			

## SCHEDULE 7

### **LONG-NOSED BANDICOOTS – CALCULATING THE BACKGROUND ADULT ROAD MORTALITY LEVEL (CONDITION 170)**

The following process shall be followed to enable the existing non-comprehensive monitoring information to be phased out and replaced by the new monitoring information. However, if the provisions of conditions 172) and 173) are enacted then they shall prevail over the following process

#### Process

- The revised background adult road mortality level is to be established by calculating a weighted average of the pre-commencement adult road mortalities (ie, the existing 10 per six months) with post-commencement recorded adult road mortalities, on the following basis:
- For the second year after the commencement date, the background level = 75% of 10 deaths plus 25% of the average six-monthly post-approval deaths (ie, adult road mortalities recorded during the first year after the commencement date);
- For the third year after the commencement date, the background level = 50% of 10 deaths plus 50% of the average six monthly post-approval deaths (ie. Adult road mortalities recorded in the two years after the commencement date);
- For the fourth year after the commencement date, the background level = 25% of 10 deaths plus 75% of the average six monthly post-approval deaths (ie. Adult road mortalities recorded in the three years after the commencement date); and
- For the fifth year after the commencement date the background level = the average six monthly post-approval deaths as recorded during the four years since the commencement date. This background level will be applied for the remainder for the life of the activity.

SCHEDULE 8

**LITTLE PENGUINS: ADAPTIVE MANAGEMENT (CONDITION 179)**

Trigger	Trigger Mechanism	Responsibility (NPWS, North Head Sydney, Joint)	Comments	Compliance Status
Trigger 1	<p>1) If monitoring indicates that the number of active Little Penguin breeding burrows between Cannae Point and the southern end of Store Beach has significantly decreased over two successive breeding seasons (July to February inclusive), and the DEC is satisfied that such decreases are either fully or partially related to the activity, the DEC may direct the co-proponents to implement appropriate measures. The measures may include, but not be limited to:</p> <ul style="list-style-type: none"> <li>(a) a reduction in the number of lights and their intensity in the Wharf Precinct, particularly in the vicinity of the restaurant in A6;</li> <li>(b) the provision of acoustic barriers in the vicinity of the restaurant at night, especially the outdoor eating area;</li> </ul>	<b>NPWS</b>	<p>The Manly Little Penguin Recovery Program monitoring (2021/2022) recorded a decrease in Little Penguin breeding burrows between Cannae Point and the southern end of Store Beach.</p> <p>The Manly Little Penguin Recovery Program monitoring (2022/2023) recorded additional nests between store point and quarantine beach.</p> <p>The Manly little Penguin Recovery Program (2021/22) recorded a reduction in breeding population in Manly. The population has not recovered from extensive losses to the breeding population from the fox incursion in 2015 pre-breeding season. The now low level of the population means there is little buffer against other impacts such as changes in oceanic conditions, which could impact individual breeding seasons or the long-term population.</p> <p>NPWS is not satisfied that the decrease is fully or partially related the activity.</p> <p>No directions were made by NPWS to implement further monitoring measures during the reporting period.</p>	Not Triggered

- (c) cessation of outdoor dining in the vicinity of the restaurant in A6 at night during the breeding season (or all year round);
- (d) restrictions on ferry movements, such as a set period either side of sunset or no movements between sunset and sunrise; and
- (e) the provision of alternative public transport to the site during times when ferry movements are restricted.

If further on-going monitoring indicates that the number of active Little Penguin breeding burrows in this area continues to decrease over subsequent breeding seasons, the DEC may direct the co-proponents to implement further measures.

2) The co-proponents shall comply with any directions issued by the DEC in accordance with clause 1. Any measures required to be implemented may be reversed or altered with the approval of the DEC if monitoring indicates that the

As part of NPWS' discussions with Planning NSW about the non-compliance and official cautions, NPWS has committed to an additional investment in little penguin protection across Sydney Harbour's habitat locations, including Quarantine Station and Store Beach.

NPWS is currently updating AOBV signage for visitors regarding little penguin protection regulations.

	<p>number of active Little Penguin breeding burrows for the population has increased over two successive breeding seasons.</p> <p>3) If Little Penguin deaths occur in the vicinity of the site as a result of matters reasonably beyond the control of the co-proponents (such as predator attacks, oil spills, etc), the number of active breeding burrows considered for the purposes of clause 1 may be adjusted in consultation with the DEC to account for such impacts (e.g. to account for the likely impact of predator related deaths on lowering the number of active burrows).</p>			
Trigger 2 – potentially catastrophic events	<p>1) If information becomes available that indicates a significant reduction in the size of the Little Penguin population or a significant change to the behaviour of the population within a period of less than two successive breeding seasons, and the DEC is satisfied that the activity is likely to have contributed to that decline or change, the DEC may direct the co-proponents to</p>	<b>NPWS</b>	<p>No directions were made by NPWS to implement further monitoring measures during the reporting period. NPWS is not satisfied that the decrease is fully or partially related the activity.</p>	Not Triggered

implement appropriate measures. These may include, but are not limited to, the measures specified in Trigger 1.

2) The co-proponents shall comply with any directions issued by the DEC under clause 1. Any measures required to be implemented may be reversed or altered with the approval of the DEC.

---

## SCHEDULE 9

### **ENVIRONMENTAL MANAGEMENT PLAN (CONDITION 191)**

The EMP shall include the following matters:

- (a) a clear statement of the objectives of the EMP;
- (b) a brief description of the management and the planning framework;
- (c) identification of the statutory and other obligations which the co-proponents must comply with during the undertaking of the activity;
- (d) definition of the roles and responsibilities regarding implementation of the EMP and its various components;
- (e) contact protocols outlining procedures and any notifications to be given before works commence, together with contact details for the relevant project manager;
- (f) induction and training arrangements for contractors and staff;
- (g) community liaison arrangements;
- (h) mapping of key environmental features and proposed environmental safeguards, to include:
  - o topographic features
  - o vegetation cover and threatened species locations/habitat
  - o special items or areas of environmental or heritage sensitivity
  - o suitable locations for construction infrastructure (e.g. machinery and material storage), access ways for vehicles and proposed active work sites
  - o location of sedimentation and erosion controls.

The mapped information should be capable of being incorporated into the GIS system for the site once this is approved and functioning (condition 66).

- (i) specific objectives and strategies for the main environmental management elements. This should, at a minimum, identify what the issue is, compliance and best practice requirements, the action required, who will undertake the action and when. The main elements must include, but are not limited to:
  - o historic heritage
  - o Aboriginal heritage
  - o visitor management, access and traffic
  - o flora and fauna
  - o water quality and hydrological regimes
  - o noise and air quality management
  - o geotechnical issues
  - o erosion and sedimentation
  - o contamination
  - o waste management

- landscaping and rehabilitation
- weed and predator controls
- fire management
- visual issues
- hazards and risks, including measures to ensure public safety during the undertaking of construction and renovation activities (such as temporary fencing)
- energy and resource use and recycling.
- monitoring, inspection and reporting arrangements, including performance criteria, protocols (e.g.: frequency and location) and procedures to follow



## 6.2 Appendix B – Compliance Report Declaration Form

### Compliance Report Declaration Form

**Project Name** North Head Quarantine Station Conservation and Adaptive re-use

**Project Application Number:** MP08\_0041 and MP08\_0041 MOD3

**Description of Project:** Construction and operation of a tourist facility “Q Station”, accommodating for conferences, weddings, school tours and overnight stays.

**Project Address:** North Head, Manly

**Proponent:** National Parks and Wildlife Service and North Head Sydney Pty Ltd

**Title of Compliance Report:** Annual Environmental Report – Quarantine Station North Head (MP08\_0041): January 2022 to December 2022

#### Date

I declare that I have reviewed relevant evidence and prepared the contents of the attached Compliance Report and to the best of my knowledge:

- the Compliance Report has been prepared in accordance with all relevant conditions of consent;
- the Compliance Report has been prepared in accordance with the Compliance Reporting Post Approval Requirements;
- the findings of the Compliance Report are reported truthfully, accurately and completely;
- due diligence and professional judgement have been exercised in preparing the Compliance Report; and
- the Compliance Report is an accurate summary of the compliance status of the development.

#### Notes:

- Under section 10.6 of the Environmental Planning and Assessment Act 1979 a person must not include false or misleading information (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is false or misleading in a material respect. The proponent of an approved project must not fail to include information in (or provide information for inclusion in) a report of monitoring data or an audit report produced to the Minister in connection with an audit if the person knows that the information is materially relevant to the monitoring or audit. The maximum penalty is, in the case of a corporation, \$1 million and for an individual, \$250,000; and
- The Crimes Act 1900 contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years' imprisonment or 200 penalty units, or both).

**Name of Authorised Reporting Officer:** Robert Newton

**Title:** A/Director – Greater Sydney Branch NPWS

**Date:** 23/02/2023

**Signature:**



**Qualification:** A/Director – Greater Sydney Branch NPWS

**Company:** NSW National Parks & Wildlife Service

**Company Address:** POBox 3031 ASQUITH NSW 2077

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- The Crimes Act 1900 contains other offences relating to false and misleading information: section 307B (giving false or misleading information – maximum penalty 2 years’ imprisonment or 200 penalty units, or both).

**Name of Authorised Reporting Officer:** Glenn Michael Piper

**Title:** Sole Director North Head Sydney Pty Ltd

**Signature:**



**Date:** 21<sup>st</sup> February, 2023

**Qualification:** Sole Director / Secretary

**Company:** North Head Sydney Pty

**Company Address:** 29-31 Moore Road, Freshwater NSW 2096

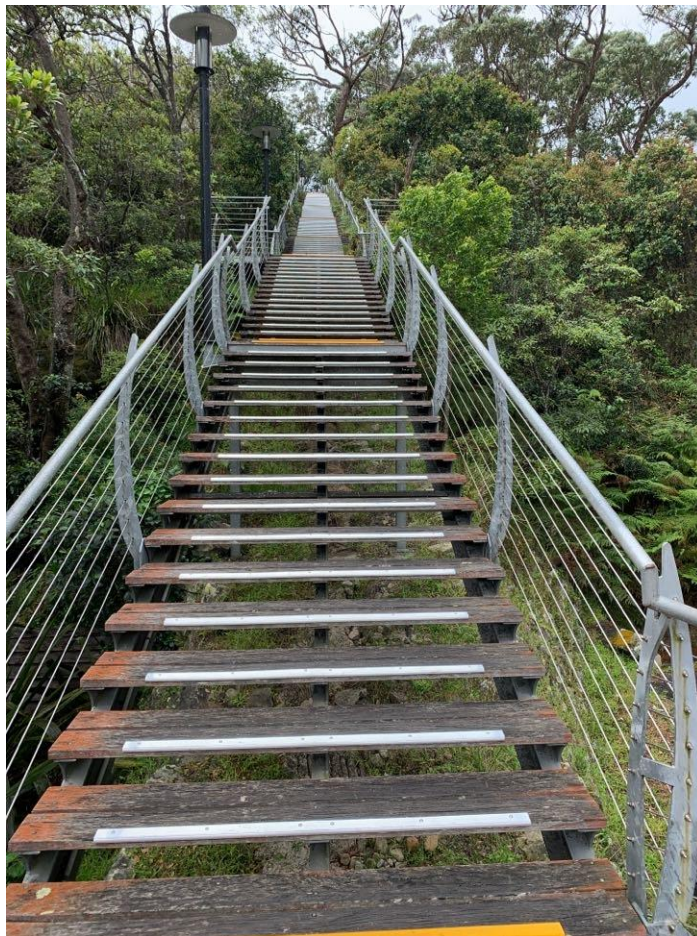
### **6.3 Appendix C – North Head Sydney Pty Ltd Monitoring Report**

**QUARANTINE STATION NORTH HEAD MANLY**

**MONITORING REPORT BY NORTH HEAD SYDNEY PTY LTD**

*for the period 1/1/2022 to 31/12/2022*

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North Head Sydney Pty Ltd (ACN 655 651 625)  
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## ACKNOWLEDGMENT OF COUNTRY

North Head Sydney Pty Ltd acknowledges the traditional custodians of the land on which the Quarantine Station is situated and the waterway adjoining the site and pays its respects to the elders past, present and emerging.



## EXECUTIVE SUMMARY

North Head Sydney Pty Ltd present its first monitoring report for the Quarantine Station North Head Manly [QS] for the year 2022 as required by the conditions of approval [CofPA] of the consolidated consent [MP08\_0041] as modified by [MP\_0041-Mod-3 – 25/05/2018]

Condition 219 states

As part of the annual environmental report (condition 221) and comprehensive audit (condition 226), the co-proponents shall produce a monitoring report outlining results from the integrated monitoring program. The report shall:

- (a) include an analysis of monitoring results and trends collected over time; and
- (b) identify measures taken or proposed to be undertaken to respond to any adverse or unexpected impacts identified.

The lessee and operator of the QS until 11<sup>th</sup> May 2022 was Mawland Quarantine Station Pty Ltd. The lease by agreement dated 11<sup>th</sup> May 2022 was assigned to North Head Sydney Pty Ltd as trustee for the North Head Sydney Trust [NHS]. By virtue of the assignment NHS became the lessee of the site and the operator of the QS and the activities conducted at the QS.

NHS's vision for the Quarantine Station is to develop an iconic destination that is emblematic of a New Australia: where past meets future, the oceans meets the land and where a dynamic multicultural and indigenous history connects.

This report will cover, visitor access information, the interpretative program, aboriginal heritage, non- aboriginal heritage, flora and fauna, seagrasses, soil and erosion, noise, stormwater management, infrastructure, waste management and staff and contractor training.

**C of PA 216 requires an integrated monitoring program for the activity.**

The 2020 Annual Environment Report at condition 216 stated:

*An Integrated Monitoring and Adaptive Management System (IMAMS) programme was developed in 2006 and operated until 2020. A review was requested by DPIE. The replacement monitoring system has not yet been approved for use by the DPIE.*

The independent auditor in the 2018 – 2021 comprehensive audit for the North Head Quarantine Station at page 108 stated:

*An integrated Monitoring Program had not been implemented for the Q Station during the audit period. Develop and implement an Integrated Monitoring Program in accordance with the requirement of C of A 216.*

NHS developed a 2022 Integrated Monitoring and Adaptive Management Program which was submitted to DPE on 19 December 2022 for approval. The program has not, at the time of preparation of this monitoring report, been approved.

NHS has responsibility to monitor the conditions of approval other than Aboriginal Heritage, Soil and Erosion and Threatened Species, which are monitored by NPWS.

NHS and NPWS have joint responsibility to monitor the Moveable Heritage and Resource Collection, bandicoot deaths and numbers on site, feral animals on site, flora dieback and weed coverage

## VISITOR ACCESS INFORMATION

### VISITOR NUMBERS

The optimum visitor capacity is 315 people (including staff) at any one time.

The CofA 120(A) provides that the co-proponents must not hold more than 450 people on site until the Site Travel and Access Plan has been approved by the Secretary. The plan was approved on 14/9/2018.

The number of visitors on site at any one time of a day fluctuates depending on the activities for the day. The peak periods are considered to be 12pm, 4pm and 8pm as these are the times Q Station hosts activities such as large conferences, weddings, tours and events. Peak capacity will be reached if attendance at these activities coincides with high occupancy in hotel rooms. However, most of the time, many of the overnight guests have attended one of the activities which assists in moderating the visitor capacity.

In 2022 there were 55 weddings; 107 private events, lunches and other functions; 320 conferences and 78 educational tours.

To assess visitor numbers NHS has selected 14 days throughout the year to audit visitor numbers by extracting data from all booking programmes for each of the activities on site. The dates selected is set out in the following table.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	low	high	high	low	high	low	low	low	high	high	high	high
MON		14th								24th		
TUE			22th						13th			
WED					18th						9th	
THU		24th										8th
FRI			11th						16th			
SAT					14th							31th
SUN										9th	20th	

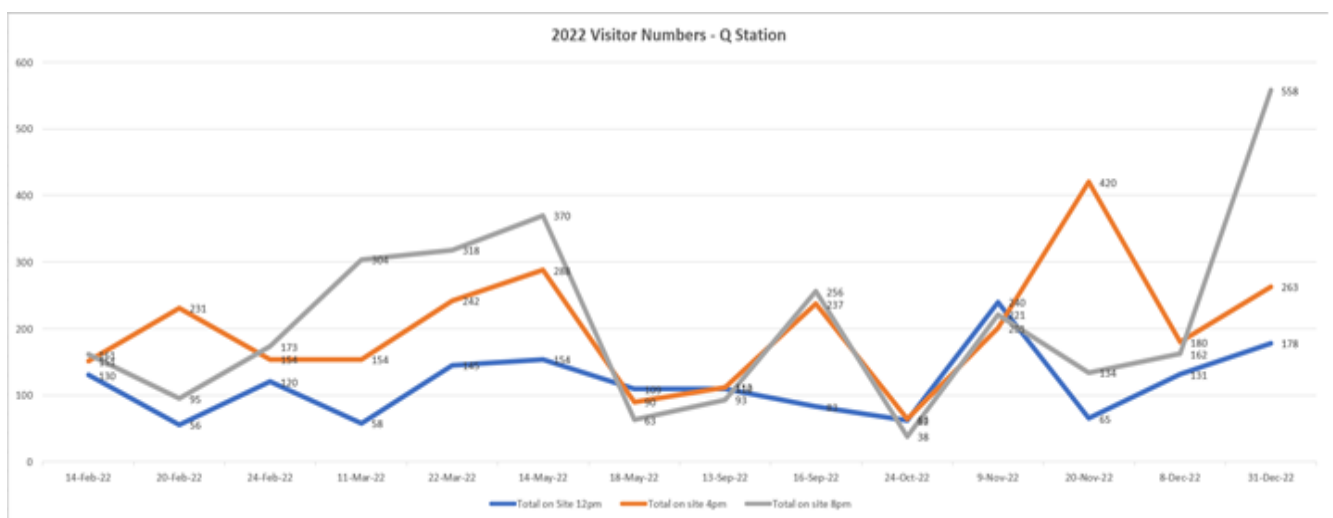


The method used for the audit is set out in the following table.

TIMES	VISITOR/GUEST	SYSTEM	METHOD
<b>12pm</b>	Guests Inhouse	Protel	In house minus arrivals =midday guests
	Conference Attendees	Ivvy	Ivvy Conf Delegate
	Staff on shift	HumanForce	Roster Totals
	QW Tour (11am)	Fareharbor	Tour numbers
	Lunch BH (Weekends)	ResDairy	Diners exluding - 'inhouse'
<b>4pm</b>	Guests Inhouse	Protel	Inhouse Total
	Conference Attendees	Ivvy	Ivvy Conf Delegate
	Staff on shift	HumanForce	Roster Totals
	Wedding (weekends)	Ivvy	Wedding Guests
<b>8pm</b>	Guests Inhouse	Protel	Inhouse Total
	Conference Attendees	Ivvy	Ivvy Conf Delegate minues Res Conf = Totals
	Staff on shift	HumanForce	Roster Totals
	Dinner BH	ResDairy	Diners exluding - 'inhouse'
	Wedding (weekends)	Ivvy	Wedding Guests
	G Tours	Fareharbor	Tour numbers

From these programs NHS captured all visitors who attend the site via a restaurant reservation, a conference, a wedding, a tour, overnight guest or employment

The following graph details the number of visitors on site on the selected days and at the selected times. The data assumes that 100% of overnight guests are on site at the time of reporting, despite this being unlikely as many of the guests frequent Manly and surrounds during their stay at Q.



The detailed visitor sample is attached to this report

## **MODE OF ACCESS FOR VISITORS TO THE SITE**

The various modes of access to the site are:

### **Public Bus service**

TforNSW operates a 'loop' bus service from Manly Wharf to North Head in the Sydney Harbour Natural Park. The service stops at the QS on the way to North Head and on its return to Manly Wharf.

### **Shuttle Bus**

The Shuttle Bus, operated by NHS, provides a regular service for guests to and from Manly. The shuttle bus is popular with hotel guests who have arrived at the site by other means of transport and want to spend time in Manly.

### **Taxis and / or Uber**

The staff in Reception often notice visitors arriving at or leaving the site by these means of transport. Staff is regularly requested by visitors to call for a taxi or uber.

### **Chartered Bus**

Tour groups, especially school tour groups, arrive by chartered bus which do not enter the site. Wedding planners are encouraged to make use of chartered bus.

### **Walking or Bicycle riding**

The site is popular with local residents and others who walk / ride to the site and use the roads and paths for exercise / bicycling or just to view the site and the vista.

### **Water Access**

There has been increase in the number of visitors accessing the site by kayak or private boat. The charter company 'My Sydney Boat' provides a service for its customers to visit the site.



Arrival by boat



arrival by kayaks



arrival by yachts

### **Ferry Service**

A ferry service, operated by Fantasea Sydney Harbour Sightseeing Hopper, called at the Quarantine Station until the onset of covid-19 and the first lock down. Fantasea is experiencing a shortage of crew which is preventing it operating its harbour hopper service to Manly. Once resumed Fantasea will include an on-demand stop at the Quarantine Station.

## Private Vehicle

The number of visitors to the site arriving by private motor vehicle is only 36% of visitors – see following survey. Neither CP5 nor North Head were used during the reporting period for overflow parking.

### SURVEY OF VISITORS ENTERING THE SITE

A survey was recently undertaken on 3 busy summer days. The survey was taken during school holidays and on days with no conferences or education tours. The days chosen were considered to be the day most likely to have the highest number of visitors arriving by private vehicle,

The result of the survey is set out in the following table:

		Mode	Vehicles/Passenger	8am-10am	10am-12pm	12pm-2pm	2pm-4pm	4pm - 6pm	TOTAL	% of total Average
3 DAY AVERAGE	Private Car	Vehicles (includes cars parking & not entering Q)		33	25	26	22	15	122	
		Passengers		40	44	40	38	20	181	36%
	Taxi and Uber	Vehicles		1	1	3	2	3	11	
		Passengers		2	1	4	5	5	18	4%
	Walking/ Cycling	Passengers		15	33	41	35	15	139	28%
	Q Shuttle Bus	Passengers							104	7%
	Public Bus service	Passengers		0	1	1	1	1	4	1%
	Chartered bus	Passengers		0	0	0	0	0	0	0%
	Private Boat	Vessels		8	5	5	2	2	22	
		Passengers		20	14	19	8	6	68	13%
	Kayak	Vehicles		11	15	16	5	2	49	
		Passengers		15	22	19	6	3	65	12%
	Charter boat	Vessels		0	0	0	0	0	0	
		Passengers		0	0	0	0	0	0	0%
Ferry	Vessels		0	0	0	0	0	0		
	Passengers		0	0	0	0	0	0	0%	

The survey identified 36% of visitors arrived by private vehicle; 4% by taxi / uber; 28% either walked or cycled onto the site; 7% by Q Station shuttle bus; 1% by public transport; 13% by private boat and 12% by kayak.

Survey forms completed at the time of the survey are attached to this monitoring report.

Visitors arriving by shuttle bus was not included in the survey as these numbers are captured by the shuttle bus drivers and reported at the end of each day.

### VISITOR IMPACTS ON SITE VALUES

During the reporting season there was nearly 100,000 visitors to the site. The impact of that number of visitors on the conservation and heritage values of the site was minimal.

There has been no measurable damage, caused by visitors to the site, to the fabric of the site, the heritage buildings both interior and exterior and the historical displays.







Further there has been no measurable damage, caused by visitors to the site, to the fauna and flora of the site.

Private vehicles, [other than deliveries, guests staying in the cottages, staff, management, NPWS and vehicles carrying disabled persons] are not allowed on site.

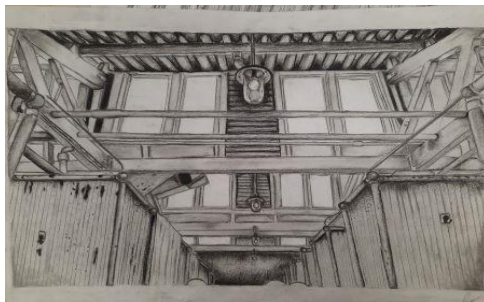
**INTERPRETIVE PROGRAM**

Tours being the Ghostly Encounters, Ghost Trackers, Q Station Paranormal Investigation, Quarantine Wander History Tours and the Q Station Wildlife Encounters Tour were held during the reporting period and were well patronised. There were 78 education bookings during the reporting period with an attendance of 4352. The Stage 5 Site Study, Migration perspectives remains the most popular education program with the greatest number of students attending

Tour type	Visitors attended in 2022
Ghost tours	14381
History tours	6011
Education Programs	4352
Other- includes Wildlife Explorer and open day tours	448
<b>TOTAL</b>	<b>25 192</b>

		
Stage 6 education program- Death, Disease and Division	Quarantine Wander	Ghost Trackers
		
Quarantine Wander	Stage 2 education program- Mindful Explorers	School group in the wharf precinct

An **Art Exhibition** was held this year in conjunction with the September open day. The work displayed is by students for St. Leo's College in Wahroonga and St. Edwards College in East Gosford. The students are inspired by a range of themes including the architecture of the buildings, historical significance of the site, the natural landscape, the human story and the artifacts. The students produce the work in lino printing, oil painting, pencil drawing, digital photography and a mixed media collage.



Successful **Open days** were held on 5<sup>th</sup> June 2022 and 25<sup>th</sup> September 2022. Reports are attached to this monitoring report.

Refreshed interpretative signage was installed on site at Funicular stairs, autoclaves, wharf precinct, main accommodation and Asiatic area.

## Impact of the interpretive program

1100 reviews were received from visitors to the site. Some of the following reviews reveal the success of the interpretive program:

**Location** is a key review type. Our visitors love the national park, its harbourside location with abundant wildlife, grounds to explore and being surrounded by history. *“The location and view are spectacular. The history of the site is interesting”*, also *“Iconic views of Sydney combined with an historical experience”*, and *“I love the fact that you have wildlife and you take care of them”*, and yet another, *“We loved that we could wander the lovely grounds and explore a place with so much important history.”*

The acknowledgement of **continued use and restoration of buildings** is noted in many reviews. *“This former quarantine station retains its original architecture: rooms opening onto the long-shared verandas, wooden buildings. It's a most comfortable place to stay, views or glimpses of the harbour, plenty of places to sit and drink it all in”*, and *“basic accommodation which we expected as they are original buildings”*. Whilst another reviewer notes *“interesting history and well-preserved buildings”*.

Other visitors *“loved the authentic and original buildings and their contents”*, or *“The history of the place is also wonderful and it is great to see that this is still kept in place”*, and *“the heritage being maintained is fantastic.”*

Reflection about the **site's history as a former Quarantine Station** is also highlighted as a positive element of visitors' experience in the reviews. *“We enjoyed the unique experience of staying on a historical site and learning about the past in this location”* and another advocates the ability to *“walk throughout the site and explore the historic buildings and visit the wharf to get the story behind its original use”*. Another *“Loved the history the site provides”*.

The direct **interpretation of the museum, history and ghost tours** get many positive reviews. Comments about the Quarantine Exhibition include *“museums were fascinating”*, *“loved the museum on the wharf”* and *“extremely well presented historical information”*. *“We enjoyed the afternoon of our arrival going through the museum in the kiosk, which we found most informative”*

The **history tours** are also included favourably. *“We also did a history tour this time which was great!”*, and *“We booked a walking tour which was exceptional and great value”* Specific staff have also been mentioned in the engagement and delivery of the tours. *“The 11am tour with Martin was informative. He is a passionate and knowledgeable guide”* Another commented *“Fully enjoyed our history tour with Brandon- could've kidnapped him to continue learning and asking questions all day”*.

**Information about the site was also learnt through ghost tours** *“the ghost tour was very informative”* and *“A ghost tour was an excellent way to engage the teenagers and kids in the history of the site.”* *“Chris the tour organiser made the experience spooky but entertaining”*. *“Simon on the ghostly tour was engaging. It was overall a fantastic experience”*



**One visitor who stayed at the end of October wrote an extensive review which beautifully captures much of the displayed sentiment from our visitors and describes in his opinion the uniqueness and significance of Q Station.**

*From the moment of our arrival, right through our stay and until our departure, we were greeted with such friendly, courteous and helpful folks who all seemed to enjoy their roles so much (and there was a lot of laughter) that we felt very welcome and even pampered...a lot Okay... I may have mentioned that it was our 30th wedding anniversary, but no kidding everything about this place and the experience we had made this a most enjoyable and memorable stay. Without doubt we will certainly be back again and would definitely recommend a stay here to anyone looking for something special. It's worth noting that my wife had formally been employed in hotel management quite a few years ago and as such we have been privileged to stay in quite a few hotels and resorts around Australia and overseas. But what makes Q Station so unique and special is beautiful tranquil location, the warm and welcoming people that work there, the historical significance and the physical and spiritual connection with the past for all walks of people, both the early settlers and the original people of this land. The management must be commended for their total commitment to preserving this beautiful historical site whilst providing a very relaxing holiday and most enjoyable stay. If you're looking for the five star stay of the downtown Ritz Carlton with everything that a button can push, Q Station may not be entirely for you. However if you are really looking for that something different that is most comfortable with very comfortable rooms with all the luxuries, fantastic views, great people, great food and so much to see and do, well Q Station is definitely entirely the place for you. We enjoyed the beautiful walks, kicking back on our verandah with a wine and taking in the views, walking around all the buildings and learning about the history and even taking advantage of our on call free shuttle service down to Manly with our very personal driver Arthur (Very funny Guy) So a vey special thank you to Rebecca and her fabulous team and Rita for looking after us so well. Thanks Q Station... Great job...Great Place*

## ABORIGINAL HERITAGE

A 'Back to Country' event was held on the site in June 2022



There was a smoking ceremony at the September open day.



NHS engaged with the indigenous stakeholders [including a Dennis Foley who has knowledge of the site] to locate the natural spring within the site and to learn how to best respect the indigenous heritage of the site moving forward with NHS's vision.

NHS has contracted with Dr. Ashlea Zivanovic of Garigal Nursery to contract grow 1000 native wildflower tube stock for planting out into the existing gardens beds around the Q Station accommodation and reception buildings. Formal proposal from Dr. Zivanovic is attached to this monitoring report.

NHS has engaged <http://www.ambs.com.au/index.html> for its consultancy service to provide a report on indigenous values for attachment with any application to Heritage Council.



## NON – ABORIGINAL HERITAGE

NHS has commissioned a licenced builder as its consultant to visually inspect the features listed in the IMAM program. Apart from the following maintenance work there was no other conservation work during the reporting period.

During the reporting maintenance work was undertaken with the approval of NPWS and the Heritage Office [where necessary] to preserve the heritage and conservation of the site. The work included:

- removal of debris from the stormwater system
- replacement of sewerage pump
- removal of the fallen tree in the Little Penguin protected area
- removal of the brush turkey mound in the Little Penguin protected area
- fixing aluminium stair nosing to each step in the funicular stair way
- minor repair and maintenance of the stairs, balustrades and verandah
- interior painting of P27 building
- floor sanding in P27 building
- coating of the floor in P27 with a clear poly/ oil finish
- make good damage to site resulting from damage caused by rainstorms in March 2022
- replacement of asphalt on Cottage Road
- repair of a leak in a water main



Expenditure on conservation works since the transfer of the lease of the site to North Head Sydney Pty Ltd on 11<sup>th</sup> May 2022 was \$269,947.00 including GST

The Fire Control Systems inbuilt across the site are monitored and tested monthly by Celsius Fire Safety according to Australia Fire Standards and the Building Code of Australia.

Flick Pest Control inspect the buildings, each month, to ensure that there is no termite activity or dry rot in the buildings and the recommend remedial action in the event of discovery of termite activity or termite damage or dry rot.

### Inscriptions and Engravings

During the reporting period regular ground maintenance work such as clearing of drains within the wharf precinct and cutting of grass that obscures inscriptions was undertaken. The Wharf Precinct (Thorp SC1-SCIV) inscriptions remain the focus of monitoring due to their cultural and historical significance.

NHS is negotiating with International Conservation Services for a scope of works to assess the monitoring and maintenance policy for the inscriptions to then inform the updating of the Inscriptions Plan 2007 with the approval of the Heritage Council, this will ensure best conservation practise is implemented in the care and restoration of the inscriptions to ensure that there quality is kept for the future.



## **Moveable Heritage and the Resource Collection**

The Quarantine Station Moveable Heritage Plan 2021 identified key recommendations for prioritising work on the collection. The greatest need was identified as completing an audit on the collection; the individual items and their location; and then updating the collection management system, Ehive.

Ehive is a web-based collection management system developed by Vernon Systems Ltd. Released in 2008, eHive is the product of extensive research and consultation with the culture and heritage sector. The system was originally designed to meet the collection management needs of smaller organisations and individuals, and to provide a viable avenue for online publishing. These days a growing number of larger institutions using other collection management systems have chosen to also use eHive as a platform for publishing their collections online.

The Quarantine Station Ehive database contains 2673 object record. The number of items in the Quarantine Station Moveable Heritage collection is different due to multiples of many items, duplicate and incomplete records

A volunteer program is being established with the aim of completing an audit of the items in the collection which are located in many of the buildings at the Quarantine Station and establishing a more comprehensive Ehive database which accurately reflects the Moveable Heritage collection.

## **FAUNA**

There was one death of a long-nose Bandicoot within the leased area during the reporting period.

There was also the death of an Echidna within the leased area during the reporting period.

The number of Brush or Scrub Turkeys has increased and are continuing to cause damage and distress across the site. Food outlets have a constant battle to ensure that guests are not having food taken. Guest and conference rooms are targets for then turkeys leaving their own mess.

## **FLORA**

During the reporting period NHS undertook the extra planting of sunshine wattle.

NHS has contracted with Dr. Ashlea Zivanovic of Garigal Nursery to contract grow 1000 native wildflower tube stock for planting out into the existing gardens beds around the Q Station accommodation and reception buildings. Formal proposal from Dr. Zivanovic is attached to this monitoring report.

Vegetation Encroachment under the power lines has been trimmed.



There has been no construction activity during the reporting period impacting on flora or fauna.

The number of rabbits is controlled by NPWS. The number of rabbits on site has grown tremendously during the reporting period.

Native revegetation, maintaining fuel load at a save level and the weed coverage is undertaken by contracted groundsman.

## **SEAGRASS**

NHS has commissioned Paul Anink, a marine ecologist, from Marine Pollution Research Pty Ltd to undertake a monitoring of the seagrass. This will take place in January 2023. The methodology for the monitoring will include drone aerial photography, a hydrographic survey of the seabed and dive seagrass assessments to ground-truth seagrass species, distribution and condition. Fisheries endorsement for this methodology will be sought. Once the initial monitoring has been completed and approved by Fisheries and TfNSW an annual monitoring program / schedule will be provided.

## **SOIL and EROSION**

NHS contractors constantly monitor the site to ensure that there is no soil erosion or that there any potential cause of soil erosion. If discovered then preventive measures are put in place to prevent soil erosion or to make good any erosion.

There was one soil erosion incident recorded during the reporting period. An extremely heavy rainstorm in March 2022 resulted in significant flash flooding resulting in erosion at the beach. NPWS completed remediation work by filling the eroded drainage channel with sand.

## **NOISE**

As there has been no construction on site there has been no complaint, either on site or offsite.

There was no complaint received, either on site or off site, when maintenance work was undertaken throughout the reporting period.

There was no complaint received, either on site or off site, when Cottage Road was, in part, resealed.

Noise emanating from on-site activities has been within the approved limits, with no complaints received from off site or on site.

## **STORMWATER MAINTENANCE**

NHS contractors regularly monitor the features set out in the IMAM program to ensure that the stormwater system is free from any debris, leaves or objects which would prevent the system from functioning properly.

NHS has contracted with a plumber who has prepared a scheduled maintenance program to regularly blow the drains and to put cameras down the drains to ensure tree roots are cleared and any damage repaired to ensure that the stormwater flow through the pipes flows without obstruction.

During the reporting period there were two extremely heavy rainstorms which required inspection of the system to ensure that it was operating properly as flooding occurred in the wharf precinct.

## **INFRASTRUCTURE**

The Quarantine Station is serviced by Sydney Water for the supply of water to the site and the removal of the sewer output. There are two (2) operational sewerage pumps located just above the Wharf Precinct which pumps the sewerage up and into the Sydney Water sewer main. There is a third pump which is a backup pump. The pumps are regularly checked to ensure that they are operational.

The site is connected to the electricity supply to the North Head National Park. Red Energy invoices the Q Station for the electricity used on site.

## **WASTE MANAGEMENT**

Rubbish bins are located throughout the site. These bins are emptied on a regular basis with the rubbish being collected by the contractor. Waste from the hotel rooms, function rooms, conference rooms, café and restaurant is also collected by the contractor.

Wheelie bins are located throughout the site. These bins are exchanged on a daily basis for empty bins. The bins containing rubbish are stored in CP5 ready for collection by licensed contractor, Sydney Waster Services Ltd.



Plastic water bottles are available only in the café and some of the conference rooms.

All visitors, especially tour groups, are instructed that a 'no feeding' policy applies to animals on the site and the use of wheelie bins for disposal of waste.

## **EMERGENCY and EVACUATION PLAN**

All rooms in all buildings on site have an evacuation plan in the rooms.

There are assembly areas in case of evacuation situated at entry to the site [at reception] and outside administration building.

Patrons in the boiler house restaurant and the wharf precinct can evacuate to the beach in the event of fire preventing their exit via the funicular stair way or roadways.

During the reporting period all staff have been fully briefed on the Emergency Preparedness Plan and what is required of them in the case of emergency. The duty managers are the fire wardens, they have been fully trained for the role of fire warden.

The emergency preparedness plan includes, for example, what to do in the case of evacuation; snake bites, serious injury or death on site and first aid.

There has been no emergency during the reporting period requiring an evacuation.



## **STAFF AND CONTRACTOR TRAINING**

During the reporting period all new members of staff have been instructed on the heritage and conservation values of the site and the improvements erected on the site. The training is undertaken by the General Manager, a head of one of the departments and a representative from the human resources consulting company, Human X. The session is of 1-to-2-hour duration.

Intensive refresher training sessions will continue throughout the reporting period.

The same instruction is given to all contractors and consultants who have not previously worked on the site. Contractors must sign in and out whilst on site. If driving on site, driving inductions are delivered by one of the staff at Reception.



Dr. Ashlea Zivanovic  
Garigal Nursery  
9b Lewis Street,  
Balgowlah Heights, NSW, 2093  
[info@garigalnursery.com](mailto:info@garigalnursery.com)  
[0438-101-208](tel:0438-101-208)

30<sup>th</sup> August, 2022

Q-Station  
Att: Steve Carrodus  
1 North Head Scenic Drive  
Manly, NSW, 2095

**Re: Contract grow of local plants for Q-Station**

Dear Steve,

Thank you for speaking with me earlier this month to discuss Garigal Nursery contract growing local native plants for landscaping at Q-station. Please find below my proposal to contract grow  $n = 1,000$  native wildflower tubestock for planting out into the existing garden beds around the Q-Station accommodation and reception buildings.

### **Biodiversity values of Q-Station**

Q-Station is situated in a biodiversity hotspot, surrounded by the Critically Endangered *Eastern Suburbs Banksia Scrub*, and the Endangered Sunshine Wattle (*Acacia terminalis subspecies Eastern Sydney*). These biodiversity values make Q-Station a highly desirable place for tourists to visit owing to opportunities to engage with Sydney's unique wildflowers – many of which occur nowhere else in Australia.

There is considerable prospect to increase both the biodiversity and amenity values of Q-Station by planting these wildflowers in the existing garden beds of the accommodation and reception buildings. Example wildflowers that can be contract grown by Garigal Nursery are shown in figure 1. Example locations where these wildflowers can be planted to increase the biodiversity and amenity values of the site are shown in Figure 2.





Red Spider Grevillea  
(*Grevillea speciosa*)



False sarsaparilla  
(*Hadenbergia sp.*)



Guinea Flower  
(*Hibbertia scandens*)



Downy Daisy Bush  
(*Olearia tomentosa*)



Grey Spider Grevillea  
(*Grevillea buxifolia*)



Flannel Flowers  
(*Actinotus helianthi*)



Heath Myrtle  
(*Baekea imbricata*)



Mountain Devil  
(*Lambertia formosa*)



White Paper Daisy  
(*Coronidium elatum*)



Clustered Darwinia  
(*Darwinia fascicularis*)



Sweet Scented Wattle  
(*Acacia suaveolens*)



Fuschia Heath  
(*Epacris longiflora*)

Figure 1: Example wildflowers that would increase the amenity and biodiversity values of garden beds around the Q-Station Accommodation buildings.





Accommodation building



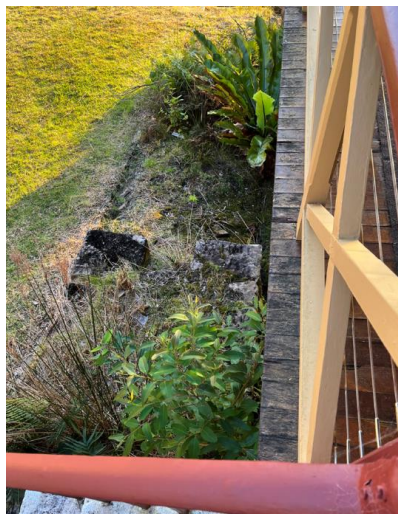
Accommodation building



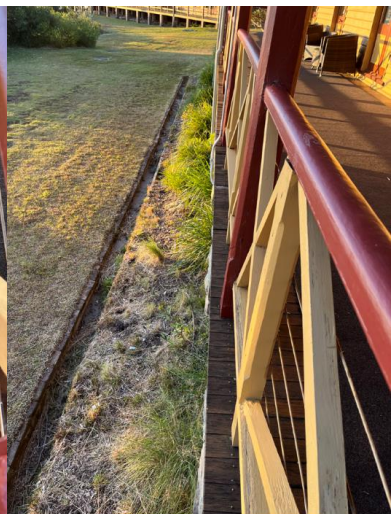
Accommodation building



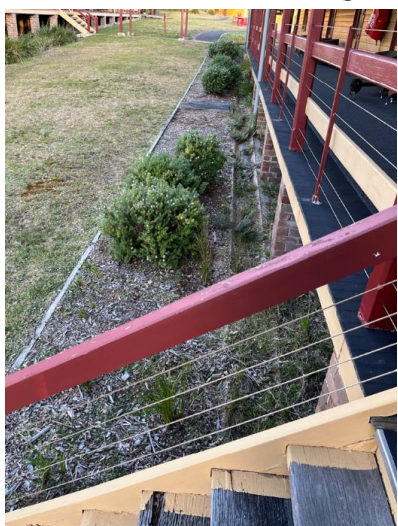
Accommodation building



Accommodation building



Accommodation building



Accommodation building



Outside breakfast cafe



Reception Building

Figure 2: Example locations where wildflowers could be planted into existing garden beds to increase the amenity and biodiversity values of Q-Station.



### Garigal Nursery:

Garigal Nursery specialises in contract growing local provenance plants using propagation material from healthy mother plants growing in similar conditions, proximal to the out-planting site. This means that we will collect cuttings and/or seeds from wildflowers growing at North Head, grow up the seedlings in our nursery in Balgowlah Heights, and provide you with plants that are perfectly suited to the conditions of your site.

We work closely with our contacts at NSW NPWS and NSW DPE to gain the appropriate permissions and/or licences (if required) to undertake collection of propagation material (seeds and/or cuttings) from North Head. Garigal Nursery can also install your plants and carry out post planting care (e.g., watering and weeding) while your plants settle into the landscape at Q-Station.

### Proposal & costing:

After inspecting the garden beds adjacent to the accommodation and reception buildings at Q-station, I suggest starting with 1,000 wildflower tubestock to fill in gaps in these garden beds as shown in Figure 2. Supply of local provenance plants is \$5.50 per tube (including GST); therefore pricing is as follows:

Number of tubestock	Price (inc. GST)
$N = 500$	\$2,750
$N = 1,000$	\$5,500
$N = 1,500$	\$8,250

*\* Please note these are supply prices only and do not include planting of tubestock or post-planting care (e.g., watering, weeding). However we can quote for planting and post-planting care once we determine the quantity of plants you are after.*

### Start date & next steps:

Garigal Nursery has immediate availability to commence the proposed contract grow of 1,000 plants for Q-Station. Spring is the optimal time to take cuttings and put down seed. I would personally handle this contract grow as I have considerable experience propagating plant species from North Head and have a keen interest in conserving the biodiversity values of North Head and connecting people with nature.

Thank you for your time in considering this proposal. Please phone me to discuss the proposal at your earliest convenience.

---

Kind regards,  
Dr Ashlea Zivanovic  
Co-owner Garigal Nursery  
[info@garigalnursery.com](mailto:info@garigalnursery.com)  
0438-101-208

## Q Station Community Open Day Review

**Sunday 5<sup>th</sup> June 2022 10-2pm**

### Overview

The Open Day had a theme of Quarantine Curiosities with the following visitor engagement activities: a new self-guided tour, the Moveable Heritage Store was made accessible for visitors, art workshop by Paper Couture in S5, wharf and hospital heritage buildings open for inspection, stalls, kids' activities, music and BBQ were set up on the Terrace and grass area adjacent.

NPWS event application was submitted and subsequently approved for a group of up to 150pax to attend.

### Communication & Marketing prior to event

6 EDMs sent out to F&B, Sunset Sessions database, Education contacts, school contacts and tours.

The opening rates were really good, on average 38% - especially the Sunset Sessions database. Many posts on socials the week prior but most of our community doesn't follow us on social channels - to be expected.

Manly Tourist Board had shared a post but it's just hard with social media as there is SO much content on these channels that they quickly get lost.

What would be useful is to advertise the next open day in local magazines such as the Tawny Frogmouth or Manly Observer - have posters at the tourist office at the ferry wharf - but obviously depends on the cost as it might not be worth it to have \$500 or more for printing and advertising.

Some visitors reported seeing the event advertised in Candy Bingham's newsletter

### Attendance

Weather was dry but cold and windy. Coincided with World Environment Day and a volunteer activity at Fairfax Lookout. Friends of Cabbage Tree Bay also held their event with free kids' activities at Shelly beach.

Hotel occupancy was Saturday 75% Sunday 54%. Special accommodation offer did not bring any new bookings.

Definitely need to advertise more widely IF we want to encourage more visitors. Eg Manly Observer, tourist centres? Local newsletters etc

Visitors arriving between 9.30am-12.30pm were counted by a staff member doing a "meet and greet"

time	Knew about Open Day	Didn't know about Open Day	total
9.30-10am	20	2	22
10-10.30am	21	0	21
10.30-11am	37	0	37
11-11.30am	16	6	22
11.30am-12pm	12	13	25
12-12.30pm	7	2	9
total	113	23	136

### Visitor Engagement

Location events seemed to work well eg Jo in S5 and P14 and broke the walk up for more reluctant walkers.

### Participating Stalls

Feedback was that it was better doing the activities by the boiler house. More protected and frees the wharf up for transport and tours.



**Australian Wildlife Displays-** costly at \$1550 but a good drawcard for families; presenter was entertaining with a good range of animals. Was quiet until 10.45am then came in waves of visitors.

#### **North Head Sanctuary**

Happy with stall, the only problem was that people could not find them easily as they were behind the seating for the Boiler house and some people did not go past this area. One way to fix this problem is better signage, instructing visitors to go past the boiler house. There could also be a sign at the wharf telling people to go behind the fence at the beach to get to them. North Head Sanctuary would be happy to come back again. Maybe next time, the stalls could be on a map for the day.

**Australian Wildlife Conservancy** Kids activities were the most popular. It was a lovely day but they are not sure they had enough engagement to make it worthwhile for them to be there. The event needs to be more widely promoted with further opportunity to engage before, during and after for them to consider attending again. More promotion of the event beforehand and more time to prepare. They would suggest placing the wildlife encounters at a different spot as it removed interest in their stall. While it was lovely for people to see live animals lots were not native to the headland, and it did distract from the conservation work being done at QS and the rest of North Head.

#### **Kids activities with Hannah**

Kids that were most engaged were aged 3-7. This stall included the following activities in order of popularity:

1. DIY Clay sand brick homes for solitary pollinators
2. DIY bush sculpture art
3. Biodiversity Count

Hannah would like to attend next time with the following suggestions; Hand out biodiversity tally sheets (develop a simple folded two-page biodiversity hunt booklet) to children at the top entrance with pencil, to eventually drop in at the end stall down the bottom (incentivised with a surprise gift magnet or badge/sticker, for example 'I am a Biodiversity Hunter, 'I love Biodiversity @QStation' Stall could be halfway between reception and boiler house, near the G and T House or a bit further down, near the nature filled part of Q Station, have more materials to make the bush sculptures easier to make, Hand out gloves, More signage

**Face painting-** staff member was unable to attend at last minute.

#### **Jo Neville, paper Couture Workshop in S5**

There would have been about 50 people through on Sunday. Lots of kids with their parents who sat to paint some rare blooms. Some groups stayed longer and painted lots some were quite happy to take a pack home to do. Older couples were quite happy to wander through the cottage, admire the decor, and ask questions about the cottage and what it would have been - Jo was quite happy to tell them! Jo would be happy to do open day or similar again. She felt it was good having the boys with

beverages, cupcakes etc - most people who came past wanted real barista style coffee (not the urn style!) they would have been happy to sit on the balcony and the grass area on picnic rugs - the wind, however, was awful!!!

**Tours**

**Self Guided tour-** 150 booklet copies printed in house and 150 maps with program on the back. About 30 booklets left at the tours desk. A great activity with no staffing cost on the day.

The following guided tours were run on the day

tour	time	Attendance
Quarantine Wander	11am public	17 pax
	11.30am private	12pax
	12.30pm public	7pax
	4.30pm pvt	17pax
MH store visit	10am	0pax
	10.30am	7pax
	11am	3pax
	11.30am	7pax
	12pm	10pax
GT pvt	6pm	16pax
GE	8pm	18pax

**Moveable Heritage Store**

Having tours in P14 and and the wharf was brilliant, but some of the visitors got lost or had been misdirected to the wharf as they didn't say which tour they were on and it was assumed it was the wharf. One lovely family knew it was P14 and followed the map to number 14 on the map they were given, which was the wrong location. They were all initially upset until they realised that they could still do their tour despite missing their time slot. With the numbers we had coming through we did not really particularly need time slots however given larger numbers it probably is a good idea. Or at least a time limit due to the lack of space. Without exception everyone who visited was fascinated by the collection. 11.30-12.30 attendance was **sporadic** even through there were bookings. Managed to greet and talk to guests as they arrived for informal chat.

**Food & Beverage Feedback**

BBQ and Beer tent was organised on terrace from from 11am Lot of great feedback on the Smoky burger. BH also took advantage of it with few walk-ins for lunch. Live music very well received with family dancing etc ... Stalls and activities on Terrace worked well. Lot of positive feedback with people really enjoying the event , food offering and location. Many people weren't aware of what was happening; we could have improved our marketing campaign .

Revenue:

\$1330 for BBQ and Drinks engine room

\$1100 for the VC café

No Sales at G&T marquee

We should have kept the BBQ and beers closer to the café , I believe we would have had more sales to the tours people as few of them did not come to BH Terrace .

We could have had Engine room ready early during the week , rather than doing it on the morning.



## **In House guests attendance and communication**

In house guests were advised of the event when they were checking in and given a leaflet but check in is after 2pm so by the time the Open Day was drawing to a close. We did also advise day guests walking onto the property who were not already aware.

Would like to see more active advertising in the local community Not sure how else we can do this but many people we spoke to did not know about it. No transport issues on the day.

Amazing feedback for the Smoked beef and everyone loved the animals

Having a flyer available for check-ins on the Friday and Saturday would definitely have been helpful to hand out more information to plan their weekend. Maybe also have flyers at the Tourist information Centre at Manly Wharf

The information about the event was not included in the reconfirmation email. We could definitely do this next time.

### **Summary and future recommendations.**

**Set up** -Preorganised stalls from the event the day before were brilliant. Suggest having set up again for next open day.

**Activities**- The following activities & stall holders were successful with positive feedback received and should be part of next the open day; kids activity stall, wildlife stall, North Head Sanctuary, BBQ, Moveable Heritage Store access, art workshop, self guided tour. AWC may attend with some considerations.

**Positioning**- The positioning of Art workshop in S5 captured many visitors, the positioning of the stalls on the Terrace created a good atmosphere but there were issues with visibility. Heritage Store difficult to find. Meet and Greet guide at reception strongly recommended

**Timing**- need to consider time it took to walk to wharf area doing self guided tour, and stopping at S5. Guests in wharf prior to 10.30am were probably in house who didn't know about the event. Directions and signage improvements; a map of key activities to be available, A frame corflute signage for key activities (In the wharf area attaching signage with stakes/ cable ties does not work) Pre event marketing; (This assumes that we want to attract a bigger crowd- implications for the NPWS event application) in house flyer for check in guests and for Manly Visitor Centre, Manly Observer, Tawny Frogmouth advertising. Event information to go in guest reconfirmations.

### **Other suggestions**

Ferry access

First class dining room – drinks/ talk- it's a another great halfway point through the site.

Other possible stall holders – Bush to Bowl, Manly Warringah Historical Society, Harbour Trust volunteers, QSCC



# Q Station Open Day report

## Sunday 25<sup>th</sup> September 2022 10am-2pm

### Overview

The open day had a theme of Portraying Quarantine with the following visitor engagement activities: free tours, smoking ceremony, talks, student art exhibition, artists plein air, wharf and hospital heritage buildings open for inspection, stalls, kids activities, music and BBQ.

NPWS event application was submitted and approved for a group of up to 150pax to attend.



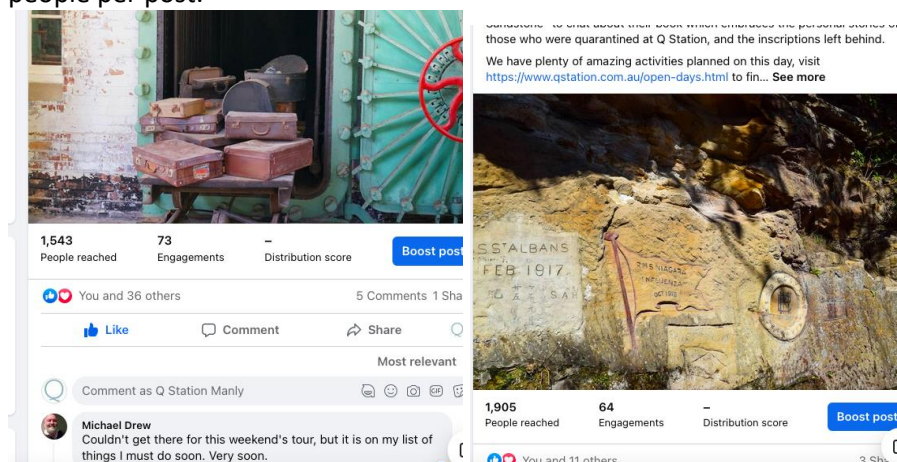
### Communication and Marketing prior to event.

3 EDMs were sent out prior to the event; Food and Beverage, Leisure and hotel guests and Sunset sessions. Opening rates were lower than June 2022 open day which was 38%. The tours database was unfortunately missed which may have attributed to this lower figure.

database	sent	opened	Opening rate
Food and beverage	6062	1914	31.7
Sunset sessions	857	300	35.1
Hotel and leisure	15545	4548	29.7
Totals	22464	6762	30.1%

The engagement in the **Facebook** group event wasn't huge, with only 112 interested and 12 attending. There were comments asking about the next one though.

The Facebook posts about the event had an unusual high rate of interest though, as usually we reach around 500 people per post.



With **Instagram**, it's a bit hard to tell because we had the interim account posting about the event with only 300 followers. We only gained access to the hacked account with almost 7k followers at the end of the week prior. The Tawny Frogmouth was tagged in the Insta posts but sadly didn't share them as promised- maybe something to remind Liam of again next time as he has quite a far reach.

## Attendance

It was a beautiful sunny day. Our open day event coincided with the Manly Jazz festival weekend. Visitors arriving between 9.45 and 12 were counted by a staff member doing a meet and greet. This presented some challenges as many people had arrived early to be there for their tour and I think were missed in the attendance counting.

Time	Tally
9.30-10	5 counted
10-10.30	29
10.30-11	40
11-11.30	25
11.30-12	25
	124

## Visitor Engagement.

All of the free tours booked out within 24hours of EDMs were sent out. Managing occupancy of free tours remains a challenge. The talks in A9 were not very well attended, smoking ceremony provided a great focal point in the day and attracted a reasonable crowd. Some guests were sent to the wrong start location by reception staff.

tour	Booked	attended	% attending
10.00am Eco walks	20	13	65%
10.15am Michelle Montebello	32	19	60%
10.30am NPWS	20	12	60%
10.45am Bush Tucker(paid)	2	0 (cancelled)	
11am Quarantine wander(paid)	18	18	100%
11.30am Ecowalks	20	9	45%
12.30pm NPWS	20	Unknown	
12.30pm Felicity Pulman	21	12	57%
1pm Quarantine wander (paid)	4	4	100%



### Participating Stalls

Australian Wildlife Displays  
 North Head Sanctuary Harbour Trust  
 Volunteers  
 NPWS  
 Bush to Bowl  
 Q Station stall & kids activities with Hannah, Peter Hobbins & Annie Clarke  
 Q Station bar and BBQ  
 Invited but did not attend; Surfers for Climate, Surfrider, Manly Warringah Historical Society, Australian Wildlife Conservancy



## Contributors comments

### Artists En plein Air

Tania McMurtry organised Artists En plein air with four artists taking part. Some artists arrived and went home because they couldn't get a carpark and they had their art materials to carry. There was also an annual en plain air event at Glebe Park which artists chose to go to and of course the Manly Jazz festival stole some artists too; a shame so many conflicting events. It was definitely busier after lunch. Approximately 35 people stopped for a decent chat, lots more walked on by. Everyone was interested in the upcoming sculpture show and took information away with them. Tania is possibly interested in participating at our next event.

### Felicity Pulman

The tour was good and I hope participants enjoyed themselves and also found it of interest. Felicity got a clap but no real feedback other than some book sales.

Unfortunately the attendance at the talk was disappointing. I thought there could have been a lot more signage to the room, given that it was so out of the way of the 'main game' so's to speak, and the signage could have incorporated the name + time + topic, maybe even a different sign for each talk, writ large!  
 Felicity felt that it was worthwhile being part of the day and is definitely interested in attending again.

**Michelle Montebello**

Overall, the tour went well and feedback from visitors was really positive. Next time it would be good to share my tour path with you, so that rooms can be unlocked and available, or we can be forewarned not to enter certain rooms (like the shower block: we came head-to-head with the historical tour and had to leave quickly). After the tour, most people drifted away to do other activities. There were only a few stragglers who came back for the talk. Maybe, to keep the momentum going, straight after the tour we could do a meet & greet and signing at a table (probably no need for a talk since I'm doing a lot of talking on the tour). That way we keep people engaged. It was a worthwhile event for me, I met lots of new readers and I saw my online sales for Q Station spike considerably afterwards- would love to come back if you'd have me.



**Lee De Gail & Rose Porter NPWS**

It was indeed a lovely day and a general good vibe. The critters are always a hit.  
 I would question the need for a NPWS stall as such as we really don't have anything to sell and we don't have any pamphlets or good quality National Park guides any more. Maybe a stall might be useful as a start / finish location for the discovery tours?  
 I think NPWS and the visitors get more out of the day with NPWS staff moving around and chatting to visitors about all sorts of wildlife things – especially penguins and engaging with the other stall keepers and yourselves.  
 The NPWS Discovery tours are a must do and I hope the attendees enjoyed the experience. If you think we need more of this then that can be arranged for next time.

**Clarence Bruinsma, Bush to Bowl**

All in all a nice day and good feel. People interested to learn about our products on the stall, however low sales. Without the smoking ceremony it would not have been profitable for us to attend. Would think about attending again but need to cover costs so would look to include a paid activity. Suggestions; a marketing strategy we could share for the event on our socials. Maybe some signage to show what is on from the other directions of Q station

**Jenny Wilson, North Head Sanctuary**

it was a perfect day on Sunday. Third Cemetery was the most popular aspect of our stall-it is always worthwhile talking to people about North Head. Excellent spot for the stalls, everyone could see us. Happy to do it again.



### Collated Suggestions for next event

- smaller stall where the tours start and finish as well as down on the wharf. People would be more likely to buy one of the books after they have done a tour. I would also have more than the books so maybe some additional merchandise like the caps/hats etc so it is an overall Q Station stall, not just a book stall. Start and finish tours down at the Wharf, to give visitors a chance to explore the museum and maybe buy some lunch and sit on the beach. A few people had to get back up to Front Office to do a tour after being in the wharf area.
- More stalls- maybe food / wine, arts & craft & live music in the wharf area would bring a wider range of people that might not necessarily come to Q Station. The benefit of this is people are coming for something else but once they're on site, they discover a place that they may not have known anything about. From this, along with pre booked tours, maybe having some tours to 'jump on' running every 15 mins or so that they don't have to book around the wharf / hospital precincts. A couple of people commented that they didn't realise the Q Station was there (people that arrived by boat).
- Advertise tours at the stand
- Dress up and take a photo- historical costumes
- Community art project for everyone to join in on
- Kids games
- Free QW and QSS tours
- Activity to be in S5 rather than P5-
- All events prebookable online- tours to 35pax to allow for non attendance
- Improved strategies to ensure all staff working have correct information for guests
- It could be good to run a few art classes and let the art teacher charge a fee for them. With enough notice, there are local art groups around that could make it a part of their term activities. Perhaps some art classes for children
- Keep the animals!
- Food and wine theme for next event. ---suppliers to run the stalls- wine, beer, patisserie, sandwiches, Q Station to think about past historical food offered—includes bush tucker, wildlife- what eats what? & a food tour- from cooking on the beach to first class dining experience.

### Promotional suggestions

- Sending a save the date to our EDM audience and putting a placeholder on the date on FB ahead of the release of event details. This will draw interest and means people can keep the day free in advance (whilst we are still working out the finer details)
- Once we have decided on the theme for the next open day I suggest we put together a series of blogs across various topics to do with the theme of the day. This will help generate website traffic and interest in attending.
- Suggest we try to maximise local advertising across Beaches publications and channels.
- Let guides know in advance- verbal promotion on tours
- Improve signage – bottom of H2 ramp, generally more signage
- more **advertising** on Social Media, etc, including in Manly/Northern Beaches related Facebook pages, Manly Daily online, Peninsular Living, Tawny frogmouth etc
- visitor sign up for EDM distribution
- advertising it a bit earlier online. Feedback received was that more notice would have been good, especially for interstate travellers who wanted to come.
- Dedicated photographer at event to share on social media
- Signage- invest in 6 sandwich frames (or corflute inserts for existing) - 2X reception- gate and bus area, 1 for S5/top of steps, 3 at wharf

**Quarantine Station Visitor Sample 2022**

TIMES	VISITOR/GUEST	SYSTEM	METHOD
<b>Midday</b>	<b>Guests Inhouse</b>	Protel	In house minus arrivals =midday guests
	Conference Attendees	Ivvy	Ivvy Conf Delegate
	<b>Staff on shift</b>	HumanForce	Roster Totals
	<b>QW Tour (11am)</b>	Fareharbor	Tour numbers
	<b>Lunch BH (Weekends)</b>	ResDairy	Diners excluding - 'inhouse'
<b>4pm</b>	<b>Guests Inhouse</b>	Protel	Inhouse Total
	Conference Attendees	Ivvy	Ivvy Conf Delegate
	<b>Staff on shift</b>	HumanForce	Roster Totals
	Wedding (weekends)	Ivvy	Wedding Guests
<b>8pm</b>	<b>Guests Inhouse</b>	Protel	Inhouse Total
	Conference Attendees	Ivvy	Ivvy Conf Delegate minutes Res Conf = Totals
	<b>Staff on shift</b>	HumanForce	Roster Totals
	<b>Dinner BH</b>	ResDairy	Diners excluding - 'inhouse'
	Wedding (weekends)	Ivvy	Wedding Guests
	<b>G Tours</b>	Fareharbor	Tour numbers

DAY	MONTH	DATE	TIME	VISITOR/GUEST	#s
<b>MONDAY</b>	<b>FEB</b>	<b>14</b>	<b>Midday</b>	Guests Inhouse	37
				Conf Attendees	60
				Staff on shift	14
				QW Tour (11am)	19
				Lunch BH (wkds)	0
				<b>TOTAL</b>	<b>130</b>
			<b>4pm</b>	Guests Inhouse	80
				Conf Attendees	60
				Staff on shift	11
				Wedding (wkds)	
					<b>TOTAL</b>
			<b>8pm</b>	Guests Inhouse	80
				Conf Attendees	60
				Dinner BH	0
Staff on shift	7				
Wedding (wkds)					
G Tours	14				
	<b>TOTAL</b>	<b>161</b>			

DAY	MONTH	DATE	TIME	VISITOR/GUEST		#s	
<b>TUESDAY</b>	<b>MAR</b>	<b>22</b>	<b>Midday</b>	Guests Inhouse		45	
				Conf Attendees		64	45+38 inhouse
				Staff on shift		27	
				QW Tour (11am)		9	
				Lunch BH (wkds)		0	
					<b>TOTAL</b>	<b>145</b>	
			<b>4pm</b>	Guests Inhouse		159	
				Conf Attendees		64	45+38 inhouse
				Staff on shift		19	
				Wedding (wkds)		0	
					<b>TOTAL</b>	<b>242</b>	
			<b>8pm</b>	Guests Inhouse		159	
				Conf Attendees		140	45+38 inhouse
				Dinner BH		0	
				Staff on shift		12	
				Wedding (wkds)		0	
				G Tours		7	
					<b>TOTAL</b>	<b>318</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST		#s	
<b>WEDNESDAY</b>	<b>MAY</b>	<b>18</b>	<b>Midday</b>	Guests Inhouse		16	
				Conf Attendees		75	
				Staff on shift		18	
				QW Tour (11am)		0	
				Lunch BH (wkds)		0	
					<b>TOTAL</b>	<b>109</b>	
			<b>4pm</b>	Guests Inhouse		40	
				Conf Attendees		35	40 inhouse
				Staff on shift		15	
				Wedding (wkds)		0	
					<b>TOTAL</b>	<b>90</b>	
			<b>8pm</b>	Guests Inhouse		40	
				Conf Attendees		0	all inhouse
				Dinner BH		0	
				Staff on shift		10	
				Wedding (wkds)		0	
				G Tours		13	
					<b>TOTAL</b>	<b>63</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST		#s	
THURSDAY	FEB	24	Midday	Guests Inhouse		80	
				Conf Attendees		17	80 inhouse
				Staff on shift		13	
				QW Tour (11am)		10	
				Lunch BH (wkds)		0	
					<b>TOTAL</b>	<b>120</b>	
			4pm	Guests Inhouse		137	
				Conf Attendees		0	all inhouse
				Staff on shift		17	
				Wedding (wkds)		0	
					<b>TOTAL</b>	<b>154</b>	
			8pm	Guests Inhouse		137	
				Conf Attendees		0	all inhouse
				Dinner BH		28	
				Staff on shift		8	
				Wedding (wkds)		0	
				G Tours		0	
					<b>TOTAL</b>	<b>173</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST		#s	
FRIDAY	MAR	11	Midday	Guests Inhouse		22	
				Conf Attendees		0	
				Staff on shift		17	
				QW Tour (11am)		19	
				Lunch BH (wkds)		0	
					<b>TOTAL</b>	<b>58</b>	
			4pm	Guests Inhouse		139	
				Conf Attendees		0	
				Staff on shift		15	
				Wedding (wkds)		0	
					<b>TOTAL</b>	<b>154</b>	
			8pm	Guests Inhouse		139	
				Conf Attendees		0	
				Dinner BH		35	
				Staff on shift		14	
				Wedding (wkds)		92.8	
				G Tours		23	
					<b>TOTAL</b>	<b>303.8</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST	#s	
SATURDAY	MAY	14	Midday	Guests Inhouse	105	
				Conf Attendees	14	
				Staff on shift	17	
				QW Tour (11am)	18	
				Lunch BH (wkds)	0	
				<b>TOTAL</b>	<b>154</b>	
			4pm	Guests Inhouse	203	
				Conf Attendees	0	
				Staff on shift	18	
				Wedding (wkds)	67	
				<b>TOTAL</b>	<b>288</b>	
			8pm	Guests Inhouse	203	
				Conf Attendees	0	
				Dinner BH	36	
				Staff on shift	15	
				Wedding (wkds)	67	
				G Tours	49	
				<b>TOTAL</b>	<b>370</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST	#s	
SUNDAY	FEB	20	Midday	Guests Inhouse	37	
				Conf Attendees	0	
				Staff on shift	9	
				QW Tour (11am)	10	
				Lunch BH (wkds)	0	
				<b>TOTAL</b>	<b>56</b>	
			4pm	Guests Inhouse	78	
				Conf Attendees	146	Sunday Session
				Staff on shift	7	
				Wedding (wkds)		
				<b>TOTAL</b>	<b>231</b>	
			8pm	Guests Inhouse	78	
				Conf Attendees	0	
				Dinner BH	0	Closed
				Staff on shift	2	
				Wedding (wkds)	0	
				G Tours	15	
				<b>TOTAL</b>	<b>95</b>	



DAY	MONTH	DATE	TIME	VISITOR/GUEST		#s	
MONDAY	OCT	24	Midday	Guests Inhouse		19	
				Conf Attendees		16	
				Staff on shift		24	
				QW Tour (11am)		3	
				Lunch BH (wkds)		0	
					<b>TOTAL</b>	<b>62</b>	
			4pm	Guests Inhouse		34	
				Conf Attendees		16	
				Staff on shift		14	
				Wedding (wkds)			
					<b>TOTAL</b>	<b>64</b>	
			8pm	Guests Inhouse		34	
				Conf Attendees		0	
				Dinner BH		0	
				Staff on shift		4	
				Wedding (wkds)			
				G Tours		0	
					<b>TOTAL</b>	<b>38</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST		#s	
TUESDAY	SEP	13	Midday	Guests Inhouse		21	
				Conf Attendees		45	
				Staff on shift		26	
				QW Tour (11am)		18	
				Lunch BH (wkds)		0	
					<b>TOTAL</b>	<b>110</b>	
			4pm	Guests Inhouse		85	
				Conf Attendees		9	36 inhouse
				Staff on shift		18	
				Wedding (wkds)		0	
					<b>TOTAL</b>	<b>112</b>	
			8pm	Guests Inhouse		85	
				Conf Attendees		0	all inhouse
				Dinner BH		0	
				Staff on shift		8	
				Wedding (wkds)		0	
				G Tours		0	
					<b>TOTAL</b>	<b>93</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST	#s	
WEDNESDAY	NOV	9	Midday	Guests Inhouse	19	
				Conf Attendees	143	
				Staff on shift	40	
				QW Tour (11am)	38	
				Lunch BH (wkds)	0	
				<b>TOTAL</b>	<b>240</b>	
			4pm	Guests Inhouse	88	
				Conf Attendees	80	
				Staff on shift	33	
				Wedding (wkds)	0	
				<b>TOTAL</b>	<b>201</b>	
			8pm	Guests Inhouse	88	
				Conf Attendees	70	
				Dinner BH	38	
				Staff on shift	19	
				Wedding (wkds)	0	
				G Tours	6	
				<b>TOTAL</b>	<b>221</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST	#s	
THURSDAY	DEC	8	Midday	Guests Inhouse	14	
				Conf Attendees	45	
				Staff on shift	44	
				QW Tour (11am)	26	
				Lunch BH (wkds)	2	
				<b>TOTAL</b>	<b>131</b>	
			4pm	Guests Inhouse	89	
				Conf Attendees	69	Remaining inhouse
				Staff on shift	22	
				Wedding (wkds)	0	
				<b>TOTAL</b>	<b>180</b>	
			8pm	Guests Inhouse	89	
				Conf Attendees	15	Remaining inhouse
				Dinner BH	0	
				Staff on shift	31	
				Wedding (wkds)	0	
				G Tours	27	
				<b>TOTAL</b>	<b>162</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST		#s	
THURSDAY	DEC	8	Midday	Guests Inhouse		14	
				Conf Attendees		45	
				Staff on shift		44	
				QW Tour (11am)		26	
				Lunch BH (wkds)		2	
					<b>TOTAL</b>	<b>131</b>	
			4pm	Guests Inhouse		89	
				Conf Attendees		69	Remaining inhouse
				Staff on shift		22	
				Wedding (wkds)		0	
					<b>TOTAL</b>	<b>180</b>	
			8pm	Guests Inhouse		89	
				Conf Attendees		15	Remaining inhouse
				Dinner BH		0	
				Staff on shift		31	
				Wedding (wkds)		0	
				G Tours		27	
					<b>TOTAL</b>	<b>162</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST		#s	
FRIDAY	SEP	16	Midday	Guests Inhouse		30	
				Conf Attendees		0	
				Staff on shift		25	
				QW Tour (11am)		7	
				Lunch BH (wkds)		21	
					<b>TOTAL</b>	<b>83</b>	
			4pm	Guests Inhouse		135	
				Conf Attendees		0	
				Staff on shift		36	
				Wedding (wkds)		66	
					<b>TOTAL</b>	<b>237</b>	
			8pm	Guests Inhouse		135	
				Conf Attendees		0	
				Dinner BH		0	All inhouse
				Staff on shift		18	
				Wedding (wkds)		66	
				G Tours		37	
					<b>TOTAL</b>	<b>256</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST	#s	
SATURDAY	DEC	31	Midday	Guests Inhouse	146	
				Conf Attendees	0	
				Staff on shift	27	
				QW Tour (11am)	5	
				Lunch BH (wkds)	0	
				<b>TOTAL</b>	<b>178</b>	
			4pm	Guests Inhouse	237	
				Conf Attendees	0	
				Staff on shift	26	
				Wedding (wkds)	0	All bookings inhouse
				<b>TOTAL</b>	<b>263</b>	
			8pm	Guests Inhouse	237	
				Conf Attendees	300	Try Booking - NYE Event
				Dinner BH	0	All inhouse
				Staff on shift	21	
				Wedding (wkds)	0	
				G Tours	0	Closed NYE
				<b>TOTAL</b>	<b>558</b>	

DAY	MONTH	DATE	TIME	VISITOR/GUEST	#s	
SUNDAY	NOV	20	Midday	Guests Inhouse	39	
				Conf Attendees	0	
				Staff on shift	19	
				QW Tour (11am)	5	
				Lunch BH (wkds)	2	
				<b>TOTAL</b>	<b>65</b>	
			4pm	Guests Inhouse	111	
				Conf Attendees	288	Sunday Session
				Staff on shift	21	
				Wedding (wkds)		
				<b>TOTAL</b>	<b>420</b>	
			8pm	Guests Inhouse	111	
				Conf Attendees	0	
				Dinner BH	0	Closed
				Staff on shift	10	
				Wedding (wkds)	0	
				G Tours	13	
				<b>TOTAL</b>	<b>134</b>	

**MODE OF Transportation – Survey**

29-Dec 25C	Mode	Vehicles/Passengers	8am	8am-10am	10am-12pm	12pm-2pm	2pm-4pm	4pm - 6pm	TOTAL	% of total	
		Private Car	<i>Parked a C1 at 8am</i>	68							
Cloudy 95%	Private Car	Vehicles (includes cars parking & not entering Q)		21	28	20	11	13	93		
		Passengers		52	40	28	15	15	150	38%	
	Taxi and Uber	Vehicles		1	1	4	2	4	12		
		Passengers		3	1	6	5	8	23	6%	
	Walking/ Cycling	Passengers		15	26	41	25	15	122	31%	
	Q Shuttle Bus	Passengers							19	5%	
	Public Bus service	Passengers			4	4	2	3	13	3%	
	Chartered bus	Passengers							0		
	Private Boat	Vessels		5	4	4	2	1	16		
		Passengers		12	8	16	5	5	46	12%	
	Kayak	Vehicles		1	2	4	1	2	10		
		Passengers		1	4	5	2	5	17	4%	
	Charter boat	Vessels							0		
		Passengers							0		
Ferry	Vessels							0			
	Passengers							0			

2-Jan 24C	Mode	Vehicles/Passengers	8am	8am-10am	10am-12pm	12pm-2pm	2pm-4pm	4pm - 6pm	TOTAL	% of total
			<i>Private Car</i>	<i>Parked a C1 at 8am</i>	54					
Sunny / Hot 72% Public Holiday	Private Car	Vehicles(includes cars parking & not entering Q)		69	25	30	27	21	172	
		Passengers		53	52	49	48	28	230	38%
	Taxi and Uber	Vehicles		3	2	3	2	4	14	
		Passengers		4	2	4	4	6	20	3%
	Walking/ Cycling	Passengers		15	40	45	38	16	154	25%
	Q Shuttle Bus	Passengers							32	5%
	Public Bus service	Passengers							0	
	Chartered bus	Passengers							0	
	Private Boat	Vessels		7	1	8	3	3	22	
		Passengers		18	3	31	12	11	75	12%
	Kayak	Vehicles		16	25	27	5	3	76	
		Passengers		20	37	28	5	4	94	16%
	Charter boat	Vessels							0	
		Passengers							0	
	Ferry	Vessels							0	
	Passengers							0		

3-Jan 24C Sunny / Hot 86%	Mode	Vehicles/ Passenger	8am	8am-10am	10am- 12pm	12pm- 2pm	2pm-4pm	4pm - 6pm	TOTAL	% of Total	
	Private Car	<i>Parked at c1 at 8am</i>	49								
	Private Car	Vehicles (includes cars parking & not entering Q)		9	23	29	29	11	101		
		Passengers		14	40	43	50	17	164	<b>31%</b>	
	Taxi and Uber	Vehicles		0	1	2	3	1	7		
		Passengers		0	1	3	5	1	10	2%	
	Walking/ Cycling	Passengers		15	32	38	43	13	141	26%	
	Q Shuttle Bus	Passengers							53	10%	
	Public Bus service	Passengers							0		
	Chartered bus	Passengers							0		
	Private Boat	Vessels		13	10	3	2	1	29		
		Passengers		31	32	9	8	3	83	16%	
	Kayak	Vehicles		17	18	16	9		60		
		Passengers		24	25	23	12		84	16%	
Charter boat	Vessels							0			
	Passengers							0			
Ferry	Vessels							0			
	Passengers							0			

AVERAGES	Mode	Vehicles/Passenger	8am-10am	10am-12pm	12pm-2pm	2pm-4pm	4pm - 6pm	TOTAL	% of total Average
	Private Car	Vehicles (includes cars parking & not entering Q)	33	25	26	22	15	122	
		Passengers	40	44	40	38	20	181	36%
	Taxi and Uber	Vehicles	1	1	3	2	3	11	
		Passengers	2	1	4	5	5	18	4%
	Walking/ Cycling	Passengers	15	33	41	35	15	139	28%
	Q Shuttle Bus	Passengers	0	0	0	0	0	0	7%
	Public Bus service	Passengers	0	1	1	1	1	4	1%
	Chartered bus	Passengers	0	0	0	0	0	0	0%
	Private Boat	Vessels	8	5	5	2	2	22	
	Passengers	20	14	19	8	6	68	13%	
Kayak	Vehicles	11	15	16	5	2	49		
	Passengers	15	22	19	6	3	65	12%	
Charter boat	Vessels	0	0	0	0	0	0		
	Passengers	0	0	0	0	0	0	0%	
Ferry	Vessels	0	0	0	0	0	0		
	Passengers	0	0	0	0	0	0	0%	



## **6.4 Appendix D – North Head Sydney Pty Ltd Conservation Works Program Report**



## **QUARANTINE STATION NORTH HEAD MANLY**

### **2022 Annual Review of Conservation Works Program**

**By NORTH HEAD SYDNEY PTY LTD**

*for the period 1/1/2022 to 31/12/2022*

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#### **EXECUTIVE SUMMARY**

Condition 82 of the consolidated consent for the Quarantine Station North Head (MP08\_0041) [as modified by MP08\_0041-Mod-325/05/2018] provides that the co-proponents shall undertake a review of the CWP on an annual basis as part of the overall annual environmental report.

The review must be undertaken in consultation with the DEC and the Heritage Council, and include:

- (a) a list of conservation works implemented;
- (b) the identification of any additional conservation works required to be undertaken. This must include specific consideration of the condition of all asbestos items and actions required to ensure that public health and safety standards are met; and
- (c) information on the amount spent on conservation works (including maintenance works) within the site annually, together with independent verification of expenditures provided by a quantity surveyor. The information should include a breakdown on costs and works undertaken.

Advice must be sought from the relevant Aboriginal community group/s, an appropriately qualified and experienced conservation practitioner and other specialists as required in the review process.

Conservation is defined in the conditions of approval as:

all the processes of looking after a place so as to retain its cultural significance. It includes maintenance and may according to circumstance include preservation, restoration, reconstruction and adaptation and may commonly be a combination of more than one of these.

**Conservation works [including maintenance work] implemented during 2022 [ with consent of Heritage Council and NPWS] was:**

- removal of debris from the stormwater system
- replacement of sewerage pump
- removal of the fallen tree in the Little Penguin protected area
- removal of the brush turkey mound in the Little Penguin protected area
- fixing aluminium stair nosing to each step in the funicular stair way
- minor repair and maintenance of the stairs, balustrades and verandah
- interior painting of P27 building
- floor sanding in P27 building
- coating of the floor in P27 with a clear poly/ oil finish
- make good damage to site resulting from damage caused by rainstorms in March 2022
- replacement of asphalt on Cottage Road



Nosing fixed to funicular stairs



Penguin area after removal of Brush Turkey Nest and fallen tree



Repairs to balustrades



Asphalting Cottage Road





P27 floor before sanding



A20 stair replacement



P27 after conservation work

Attached is exemption notification form lodged with the Heritage Council for the internal conservation work to P27.

Expenditure on all conservation works since the transfer of the lease of the site to North Head Sydney Pty Ltd on 11<sup>th</sup> May 2022 was \$269,947.00 including GST

NHS engaged with the indigenous stakeholders [including a Dennis Foley who has knowledge of the site] to locate the natural spring within the site and to learn how to best respect the indigenous heritage of the site moving forward with NHS's vision.

NHS has contracted with Dr. Ashlea Zivanovic of Garigal Nursery to contract grow 1000 native wildflower tube stock for planting out into the existing gardens beds around the Q Station accommodation and reception buildings. Formal proposal from Dr. Zivanovic is attached to this monitoring report.

NHS has engaged <http://www.ambs.com.au/index.html> for its consultancy service to provide a report on indigenous values for attachment with any application to Heritage Council.

**Conservation works planned for 2023, subject to approval by Heritage Council and NPWS, include:**

- restoration of and improvements to buildings A2, A24, H1 and H2
- restoration of and improvements to accommodation rooms
- upgrade and improvements to the native landscape of the site
- expansion of the museum
- replacement of 5 heritage power poles which are in danger of falling
- removal of a large tree in front of Asiatic Rooms

Regular maintenance of the site and the buildings will continue through out 2023.

**HERITAGE COUNCIL OF NEW SOUTH WALES**  
**EXEMPTION NOTIFICATION FORM – S.57(2) NSW Heritage Act**  
**THERE IS NO FEE PAYABLE FOR AN EXEMPTION**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• This form should be completed and submitted to the Director, Heritage Branch to notify the Heritage Council of a proposed development that may be exempt under section 57(2) of the Heritage Act.</li> <li>• An application is required under section 60 of the Heritage Act if the proposed development is not covered by the Standard Exemptions Type listed on page 2.</li> <li>• More information is available in the publication “Standard Exemptions for Works Requiring Heritage Council Approval” on the Heritage Branch website at <a href="http://www.heritage.nsw.gov.au">http://www.heritage.nsw.gov.au</a></li> <li>• The Submission Requirements depend on the Standard Exemption Type ( also refer to page 2, over).</li> <li>• Two copies of the submission are required.</li> <li>• Drawings (A4 or A3) and photographs may be needed in order to explain the proposal and if so, should be attached.</li> </ul> | <ul style="list-style-type: none"> <li>• A brief statement of heritage significance of the affected item is required to accompany this form.</li> <li>• This form must be signed by the applicant and land owner.</li> <li>• If the Director of the Heritage Branch is satisfied with the proposed development and accompanying submission, a copy of this form will be endorsed by the Heritage Branch and returned to the Applicant identified below.</li> <li>• If the Director of the Heritage Branch is not satisfied with the proposal and accompanying submission, more information will be requested which may delay endorsement.</li> <li>• This form and attachments should be sent by mail, or delivered in person to:<br/> <i>Heritage Division, Office of Environment and Heritage<br/> Locked Bag 5020, PARRAMATTA NSW 2124<br/> Fax: 98738599 Phone: 98738500<br/> email: <a href="mailto:heritage@heritage.nsw.gov.au">heritage@heritage.nsw.gov.au</a></i></li> </ul> |
|--|--|

**ITEM AFFECTED BY PROPOSED DEVELOPMENT:**

**Name of Heritage Item:** North Head Quarantine Station and Reserve .. **SHR Listing No:** 01003  
**Address:** North Head Scenic Drive MANLY NSW .. **Post Code** 2095 .....

**Lot Number:** .. **Plan Code (DP / SP):** .. **Plan Number:** ..

**DESCRIPTION OF THE PROPOSAL (This MUST describe the proposed works. Do not write ‘See attached’):**  
Internal painting to the former dining/kitchen (building P27) within the 3rd Class/Asiatic Precinct of the Quarantine Station.

**EXEMPTION UNDER WHICH NOTICE IS GIVEN:** s57(2) **COST OF PROPOSAL:** \$ 8,000.00

**SUBMISSION REQUIREMENTS MUST BE ATTACHED AS REQUIRED BY THE EXEMPTION NOTES (Page 2)**

**APPLICANT**

**Name:** Jennifer Hill .. **Organisation:** Architectural Projects Pty Ltd  
**Address:** Studio 1/181 Lawson St, Darlington NSW 2008  
**Telephone:** (02) 83031700 **Mobile:** 0417 284 050 .. **Fax:** ..  
**Email:** [jennifer@architecturalprojects.net.au](mailto:jennifer@architecturalprojects.net.au) .. **Signature:** ..

**NOTE: The Applicant is responsible for obtaining the Owner’s consent for the proposed works**

**LAND OWNER**

**Name:** Chad Weston .. **Organisation:** NSW National Parks and Wildlife Service  
**Address:** Locked Bag 5022, Parramatta NSW 2124 .....

**Telephone:** .. **Mobile:** 0406751515 .. **Fax:** ..

**Email:** [chad.weston@environment.nsw.gov.au](mailto:chad.weston@environment.nsw.gov.au) .. **Signature:** ..

**ENDORSEMENT BY HERITAGE BRANCH (Office Use Only)**

The proposed development described on this form has been assessed by the Heritage Branch. The proposed development does not require approval under section 57(1) of the Heritage Act as it is exempt under *Standard Exemption No.....* granted under section 57(2) of the Heritage Act by the Minister for Planning by Order published in the Government Gazette on 5 September 2008, and the relevant criteria have been satisfied. See reverse side for general conditions. An endorsed copy of the information lodged with this form is attached.

**DIRECTOR / MANAGER, Heritage Branch Department of Planning (as delegate of NSW Heritage Council)**

<b>STANDARD EXEMPTION TYPE</b>	<b>SUBMISSION REQUIREMENTS</b>
1. Maintenance and Cleaning	No notice to Heritage Branch required
2. Repairs	No notice to Heritage Branch required
3. Painting	Details of proposed colour scheme, paint type, surface preparation and paint removal and a statement demonstrating no adverse impact on the heritage significance of the item
4. Excavation	Archaeological assessment or statement demonstrating minor impact or nature of fill (refer to standard exemption for more explanation)
5. Restoration	Statement demonstrating the need for and the material and method of restoration and no adverse impact on heritage significance of the item
6. Development endorsed by Heritage Council or Director-General	No notice to Heritage Branch required
7. Minor activities with little or no adverse impact on heritage significance	Statement demonstrating the activity is of a minor nature and will not adversely affect the heritage significance of the item
8. Non-significant fabric	Statement demonstrating no adverse impact on the heritage significance of the item
9. Change of use	Statement demonstrating the change of use does not involve alteration of fabric or cessation of the primary use or loss of significant associations (refer to standard exemption for more explanation)
10. New buildings	No notice to Heritage Branch required
11. Temporary structures	Statement demonstrating no adverse impact on significant fabric (refer to standard exemption for more explanation)
12. Landscape maintenance	No notice to Heritage Branch required
13. Signage	Statement demonstrating no adverse impact on significant fabric (refer to standard exemption for more explanation)
14. Burial sites and cemeteries	Statement demonstrating that monuments and gravemarkers will not be in conflict with the character of the place
15. Compliance with minimum standards and orders	No notice to Heritage Branch required
16. Safety and security	Structural Engineer's certificate if damaged item poses a safety risk (refer to standard exemption for more explanation)
17. Movable heritage items	Statement describing the proposed location and the reasons for its relocation.

### **GENERAL CONDITIONS**

1. Anything done pursuant to the Standard Exemptions must be carried out in accordance with any relevant development consent or approval under section 63 of the Heritage Act, Guidelines issued by the Heritage Office including *"The Maintenance of Heritage Assets: A Practical Guide" 1998*, *"Movable Heritage Principles" 2000* and *"The Heritage Council Policy on Managing Change to Heritage Items"*.
2. The Standard Exemptions do not apply to anything affecting objects, places, items or sites of heritage significance to Aboriginal people or which affect traditional access by Aboriginal people.
3. Anything done pursuant to the Standard Exemptions must be specified, supervised and carried out by people with knowledge, skills and experience appropriate to the work.

**NOTE: Refer to the Standard Exemptions granted under section 57(2) of the Heritage Act by the Minister for Planning published in the Government Gazette on 5 September 2008, for more details.**

# Architectural Projects

architectural projects pty ltd - abn 78 003 526 823 - tel +61 (0)2 8303 1700  
www.architecturalprojects.net.au - architects@architecturalprojects.net.au  
the foundry - studio 1-181 lawson street darlington nsw australia 2008

---

Ref: 2006/JH:ef  
22 July 2022

Heritage NSW  
Locked bag 5020  
Parramatta NSW 2124

Email: heritagemailbox@environment.nsw.gov.au  
Phone: (02) 9873 8500

To Whom It May Concern

## **2006 – NORTH HEAD QUARANTINE & RESERVE (SHR: 01003) – S.57(2) EXEMPTION APPLICATION**

Please find enclosed our application under section 57(2) of the NSW Heritage Act for internal painting works to the former dining/kitchen (building P27) within the 3<sup>rd</sup> Class/Asiatic Precinct of the Quarantine Station.

While there are extensive colour schemes for the exterior prepared by Paul Davies, there are no colour schemes for the interior. The interior colours have been specified to match existing, including the following:

- Beams including steel fixings – Falkland to match existing
- Walls – Falkland to match existing
- Window, door and wall surrounds/skirting – Timeless Grey to match existing
- Ceiling/window frames/door panels – Vintage Linen to match existing

The proposed internal painting works will have no adverse impact on the heritage significance of the former Quarantine Station for the following reasons:

Generally, they match the existing colour and therefore use a colour sympathetic to the item.

As the colour is typical of colours used on buildings of this period and type, it does not detract from the item.

As the colour scheme remains essentially the same, it does not reduce the ability to appreciate the item.

Yours faithfully



Jennifer Hill  
Director – Architectural Projects Pty Limited  
Registered Architect No.4811. Nominated Architect

# Architectural Projects

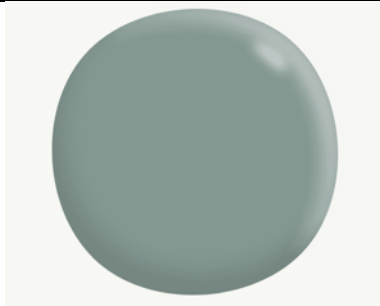
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www.architecturalprojects.net.au - architects@architecturalprojects.net.au  
the foundry - studio 1-181 lawson street darlington nsw australia 2008

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Ref: 2006/JH:ef  
22 July 2022

## 2006 - NORTH HEAD QUARANTINE & RESERVE (SHR: 01003) - S.57(2) EXEMPTION APPLICATION PROPOSED COLOUR SCHEMES

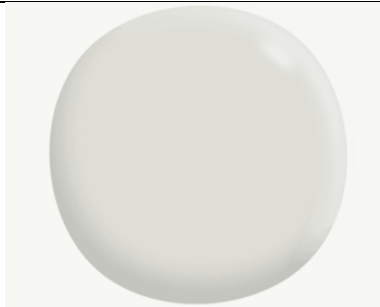
### PROPOSED COLOUR SCHEMES - DULUX CHART



FALKLAND



TIMELESS GREY



VINTAGE LINEN

---



---

INDICATIVE MONTAGES



FALKLAND



FALKLAND  
TIMELESS GREY - BEAMS

# MAWLAND HOTEL MANAGEMENT PTY LTD.

## Quarantine Station

### Paint Schedule

References: "Quarantine Station Paint Schedule" Clive Frain Wattyl Australia Pty. Ltd.

<b>ASIATIC PRECINCT BUILDINGS: P27</b>					
<b>Exterior</b>					
<b>Notes:</b>					
<b>Item</b>	<b>Lining/Substrate</b>	<b>Paint type</b>	<b>Colour</b>	<b>Approximate Alternative</b>	<b>Supplier</b>
Window Sashes	Painted Timber	Gloss Enamel	White N14 – A.S.		Wattyl
Window Architraves/Frames (Grd Flr)	Painted Timber	Gloss Enamel	Sienna (Pascol)		Wattyl
Window Sills - Grd Flr + Bsmt	Painted Timber	Gloss Enamel	Burnt Sienna (Pascol)	Redwood 10D-4D	Wattyl
Window Frame – Bsmt	Painted Timber	Gloss Enamel	Burnt Sienna (Pascol)	Redwood 10D-4D	Wattyl
Door (Panels)	Painted Timber	Gloss Enamel	Sienna (Pascol)		Wattyl
Doors (Muntins, Rails & Stiles)	Painted Timber	Gloss Enamel	Dark Brown X65 – A.S.		Wattyl
Bsmt Door - Leaf/Frames/	Painted Timber	Gloss Enamel	Dark Brown X65 – A.S.		Wattyl
Thresholds	Painted Timber	Gloss Enamel	Dark Brown X65 – A.S.		Wattyl
Beams/Post Verandah	Painted Timber	Gloss Enamel	Burnt Sienna (Pascol)	Redwood 10D-4D	Wattyl
Rafters	Painted Timber	Low Sheen	Burnt Sienna (Pascol)	Redwood 10D-4D	Wattyl
Rafters Ends/Eave Linings (Grd Floor)	Painted Timber	Gloss Enamel	White N14 – A.S.		Wattyl
Verandah Fascias & Scotias	Painted Timber	Gloss Enamel	Sienna (Pascol)		Wattyl
Weatherboards	Painted Timber	Low Sheen	Sienna (Pascol)		Wattyl
Handrail - Galvanised	Painted Galvanised	Gloss Enamel	Dark Brown X65 – A.S.		Wattyl
Roof Sheeting Galvanised	BlueScope	Factory Applied	Armour Grey (Windspray) (out building only)		BlueScope

# MAWLAND HOTEL MANAGEMENT PTY LTD.

## Quarantine Station

### Paint Schedule

References: "Quarantine Station Paint Schedule" Clive Frain Wattyl Australia Pty. Ltd.

<b>ASIATIC PRECINCT BUILDINGS: P28 &amp; P29</b>					
<b>Exterior</b>					
<b>Notes:</b>					
<b>Item</b>	<b>Lining/Substrate</b>	<b>Paint type</b>	<b>Colour</b>	<b>Approximate Alternative</b>	<b>Supplier</b>
Eave Lining	Painted Timber	Gloss Enamel	White N14 – A.S.		Wattyl
Window Frame/Sill	Painted Timber	Gloss Enamel	White N14 – A.S.		
Door Leaf & Frame	Painted Timber	Gloss Enamel	Sienna (Pascol)		Wattyl
Gable End Vents, Barge Moldings & Louvres	Painted Timber	Gloss Enamel	Sienna (Pascol)		Wattyl
Concrete Slab	Painted Concrete	Gloss Acrylic	Venetian Red R62 – A.S.		Wattyl
Fascias & Rafters	Painted Timber	Gloss Acrylic	Burnt Sienna (Pascol)		Wattyl
Gutters & Downpipes	Painted Metal	Semi-gloss Acrylic	Burnt Sienna (Pascol)		Wattyl
Fascia Boards	Painted Timber	Gloss Acrylic	Burnt Sienna (Pascol)		Wattyl
Soffits	Painted Timber	Semi-gloss Acrylic	White N14 – A.S.		Wattyl



Ben Dalgliesh &lt;ben.dalgliesh@gmail.com&gt;

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**Re:2006 Q station approval HPE CM: Re: q station heritage exemption**

2 messages

---

**Jennifer Hill** <jennifer@architecturalprojects.net.au>  
To: ben Dalgliesh <ben.dalgliesh@gmail.com>

Fri, Aug 5, 2022 at 4:16 PM

**Jennifer Hill**

Director - registered architect no.4811.

**Architectural Projects Pty Ltd** (ABN 78 003 526 823)tel (02) 8303 1700.-, mob 0417 284 050 [jennifer@architecturalprojects.net.au](mailto:jennifer@architecturalprojects.net.au)the Foundry, Studio 1/181 Lawson Street, Darlington NSW Australia 2008  
[www.architecturalprojects.net.au](http://www.architecturalprojects.net.au)

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**ANU Hanna Neumann Building, Canberra**

AIA [ACT] The Enrico Taglietti Award - Educational Architecture. (Heritage Consultants) 2019

AIA [ACT] The W. Hayward Morris Award - Interior Architecture. (Heritage Consultants) 2019

AIA [ACT] The Pamille Berg Award - for Art in Architecture. (Heritage Consultants) 2019

**IDA, Potts Point (Calidad)**

Urban Task Force [NSW] Development Excellence Award for Adaptive Reuse Development (Heritage Consultants) 2019



On 5 Aug 2022, at 4:12 pm, OEH HD Heritage Mailbox <[HERITAGEMailbox@environment.nsw.gov.au](mailto:HERITAGEMailbox@environment.nsw.gov.au)> wrote:

Hi Jennifer,

Thanks for your follow up call today, it was great to chat. I have registered your notification of Standard Exemption Notification the reference number is DOC22/682921.

Please don't hesitate to contact me should you require any further information please don't hesitate to contact me.

[Customer Feedback Survey](#)

Kind regards

**Erin McWhirter**

Senior Customer Services Officer, Customer Concierge

Office of Environment and Heritage (Heritage NSW)

**Department of Planning and Environment**T: 02 8837 6397 E: [Erin.McWhirter@environment.nsw.gov.au](mailto:Erin.McWhirter@environment.nsw.gov.au)<https://www.heritage.nsw.gov.au/>

Locked Bag 5020, NSW 2124

**Working days** Monday to Friday, 09:00am - 05:00pm

## **6.5 Appendix E – NPWS Monitoring Report**



**NSW NATIONAL PARKS & WILDLIFE SERVICE**

# **Monitoring Report 2022**

**North Head Quarantine Station,  
Sydney Harbour Park**

## Contents

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2022 Monitoring Report	2
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Flora and fauna	5
Soil and erosion	12

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Table 2	2022 Monitoring Report	3

## Overview

This report has been prepared by National Parks and Wildlife Services (NPWS) as required by Conditions of Planning Approval (CoPA) 229 for the consolidated consent [MP08\_0041] as modified by [MP\_0041-Mod-3 – 25/05/2018].

Lessee and operator of Q Station, North Head Sydney Pty Ltd, have prepared a separate report to meet this condition.

CoPA 229 states:

As part of the annual environmental report (condition 221) and comprehensive audit (condition 226), the co-proponents shall produce a monitoring report outlining results from the integrated monitoring program. The report shall:

- (a) include an analysis of monitoring results and trends collected over time; and
- (b) identify measures taken or proposed to be undertaken to respond to any adverse or unexpected impacts identified.

Table 1 lists the subgroup of features NPWS are responsible for monitoring as per CoPA 217 and the Integrated Monitoring and Adaptive Management System (IMAMS) (CoPA 216).

**Table 1 Features NPWS are responsible for monitoring**

Features to be monitored (CoPA 217)	IMAMS headline indicators (CoPA 216)
Aboriginal Heritage	Aboriginal heritage Aboriginals Sites
Flora and fauna including threatened species monitoring	Long-nosed Bandicoot population Little Penguin population health Predator and Pests Native vegetation health
Soil and erosion	Erosion of soil

## IMAMS review

On 12 December 2022 DPE Planning issued an official Direction to review and develop a new Integrated Monitoring Program by 28 February 2023. North Head Sydney submitted an IMAMS proposal to DPE Planning via Major Project Portal on 19 December 2022. NPWS are engaging consultants to review the program in early 2023.

The 2022 monitoring report is based on the IMAMs 2006 and IMAMs 2022 program and covers additional analysis regarding monitoring results and trends collected over time.



# NPWS North Head Quarantine Station – Monitoring Report

Monitoring Program Framework			2022 Monitoring Report			
CoPA 217 feature to be monitored	IMAMs headline indicator	IMAMs monitoring description	Analysis of 2022 monitoring results and trends collected over time	IMAMS Acceptable Range	IMAMS Adaptative Management employed	Adaptative Management Response
				Yes/No	Yes/No	
<b>Aboriginal heritage</b>	Aboriginal heritage headline indicator	A strategic framework for conserving and managing Aboriginal cultural heritage values within the lease area	NPWS is addressing the 2021 NHQS Comprehensive Audit which identified an out-of-date Aboriginal Heritage Management Plan and a lapse in on-going consultation with the local Aboriginal community.	Benchmark not included in IMAMS	Yes	<p>Aboriginal Heritage Plan review: The Aboriginal Heritage Management Plan will be revised as part of the NHQS Site Wide Plans project in early 2023. Consultants have been engaged to review the plan which includes a strategic framework for the conservation and management of Aboriginal cultural heritage values within the lease area. The local Aboriginal community and MLAC will be consulted as part of stakeholder engagement.</p> <p>QSCCC: Community membership is being advertised for the Quarantine Station Consultative Community Committee (QSCCC) and includes targeted advertisement to invite local Aboriginal representation.</p> <p>Back to Country event:</p>

Monitoring Program Framework			2022 Monitoring Report			
<i>CoPA 217 feature to be monitored</i>	<i>IMAMs headline indicator</i>	<i>IMAMs monitoring description</i>	<i>Analysis of 2022 monitoring results and trends collected over time</i>	<i>IMAMS Acceptable Range</i>	<i>IMAMS Adaptative Management employed</i>	<i>Adaptative Management Response</i>
				Yes/No	Yes/No	

A Back to Country event was held in June 2022 and co-designed with NPWS, DPE and Aboriginal organisations.

The event provided an opportunity to connect with local Aboriginal community and organisations, to discuss NPWS care of Country at Car-rang-gel (Q Station), and to identify opportunities for further involvement to manage Aboriginal cultural heritage values on site.

Stakeholders included North Head Pty Ltd, Bush to Bowl – including young Aboriginal trainees, IndigiGrow, NPWS including Aboriginal Rangers and Field Staff, Gamay Rangers, Metro Local Aboriginal Land Council, Sydney Harbour Trust, DPE – Aboriginal People and Culture Team, NPWS GSB – Threatened Species & Community Engagement.

Follow up meetings are being held with organising partners and stakeholders.

Monitoring Program Framework			2022 Monitoring Report			
<i>CoPA 217 feature to be monitored</i>	<i>IMAMs headline indicator</i>	<i>IMAMs monitoring description</i>	<i>Analysis of 2022 monitoring results and trends collected over time</i>	<i>IMAMS Acceptable Range</i>	<i>IMAMS Adaptative Management employed</i>	<i>Adaptative Management Response</i>
				Yes/No	Yes/No	



Image: Back to Country Event at Quarantine Station beach June 2022

Monitoring Program Framework			2022 Monitoring Report			
CoPA 217 feature to be monitored	IMAMs headline indicator	IMAMs monitoring description	Analysis of 2022 monitoring results and trends collected over time	IMAMS Acceptable Range  Yes/No	IMAMS Adaptative Management employed  Yes/No	Adaptative Management Response
	Aboriginal sites		Aboriginal sites remain protected and undisturbed.	✓	No	Adaptive management responses were not required this reporting year.

Monitoring Program Framework			2022 Monitoring Report			
CoPA 217 feature to be monitored	IMAMs headline indicator	IMAMs monitoring description	Analysis of 2022 monitoring results and trends collected over time	IMAMS Acceptable Range  Yes/No	IMAMS Adaptive Management employed  Yes/No	Adaptative Management Response
Flora and fauna	Long-nosed Bandicoot population headline indicator	Bandicoot activity and use of foraging habitat	The bandicoot population remains stable at North Head Quarantine Station.	✓	No	NPWS annual bandicoot monitoring forms part of the NSW Government Threatened Species Recovery Program. NPWS Threatened Species Officers have reviewed results of the 2022 monitoring and are satisfied with current management measures in place including staff/contractor induction training and restricting vehicle access in the lease area. Adaptive management responses were not required this reporting year.
		Bandicoot activity and use of enhanced, reconstructed or rehabilitated habitat	No bandicoot habitat reconstruction or rehabilitation works this reporting year.  Opportunities for bandicoot habitat reconstruction have been identified by NPWS Conservation Branch and will be considered as part of the	Not applicable this reporting year	No	Adaptive management responses were not required this reporting year.

Monitoring Program Framework			2022 Monitoring Report			
CoPA 217 feature to be monitored	IMAMs headline indicator	IMAMs monitoring description	Analysis of 2022 monitoring results and trends collected over time	IMAMS Acceptable Range	IMAMS Adaptive Management employed	Adaptative Management Response
				Yes/No	Yes/No	
			Heritage Landscape Plan review in 2023.			
		Number of adults long nosed bandicoot deaths within leased area	The total number of deaths recorded in 2022 on Q Station was one (1 death).  Adult mortalities within benchmark Schedule 7	✓	No	Bandicoot monitoring program forms part of the NSW Government Threatened Species Recovery Program.  NPWS Threatened Species Officers have reviewed results of the 2022 monitoring and are satisfied with current management measures in place. Q-Station staff are on site 24/7 and conduct monitoring as part of routine operations.  Road deaths are recorded on a mortality register This includes staff/contractor induction training program and restricting vehicle access within the lease area. Adaptive management responses were not required this reporting year.
		Reduction in bandicoot numbers over 2-year period	There has not been a reduction in bandicoot numbers over the past 2-year period.	✓	No	Bandicoot monitoring program forms part of the NSW Government Threatened Species Recovery Program.  NPWS Threatened Species Officers have analysed monitoring results over the 2-year

Monitoring Program Framework			2022 Monitoring Report			
CoPA 217 feature to be monitored	IMAMs headline indicator	IMAMs monitoring description	Analysis of 2022 monitoring results and trends collected over time	IMAMS Acceptable Range  Yes/No	IMAMS Adaptive Management employed  Yes/No	Adaptive Management Response
			46 individual bandicoots were captured at Quarantine Station in 2022 which is an increase from 23 in 2021.			period and are satisfied with current management measures in place. This includes staff/contractor induction training program and restricting vehicle access within the lease area. Adaptive management responses were not required this reporting year.
Little Penguin population health headline indicator	Little Penguin breeding burrows that are active	<p>The July 2021 to February 2022 monitoring program recorded a decrease in Little Penguin breeding burrows between Cannae Point and the southern end of Store Beach. Additional nests between store point and quarantine beach recorded have been recorded as part of the July 2022 to February 2023 monitoring program.</p> <p>Little Penguin breeding population across the Manly area has decreased. The population has not recovered from extensive losses to the breeding population from the</p>	*	No	<p>Monitoring of the Manly Little Penguin population forms part of the NSW Government Threatened Species Recovery Program. NPWS and DPE Threatened Species Officers have reviewed current management measures and no further adaptive management responses were required this reporting year.</p> <p>NPWS is not satisfied that the decrease in population is fully or partially related to the activities at Q Station. A reduction in breeding population has been recorded across the Manly area.</p>	

Monitoring Program Framework			2022 Monitoring Report			
CoPA 217 feature to be monitored	IMAMs headline indicator	IMAMs monitoring description	Analysis of 2022 monitoring results and trends collected over time	IMAMS Acceptable Range	IMAMS Adaptative Management employed	Adaptative Management Response
				Yes/No	Yes/No	

fox incursion in 2015 pre-breeding season.

The now low level of the population means there is little buffer against other impacts such as changes in oceanic conditions, which could impact individual breeding seasons or the long-term population.

The 2021/2022 monitoring program was impacted by covid pandemic restrictions resulting in a reduction in site surveys.



Monitoring Program Framework			2022 Monitoring Report			
CoPA 217 feature to be monitored	IMAMs headline indicator	IMAMs monitoring description	Analysis of 2022 monitoring results and trends collected over time	IMAMS Acceptable Range  Yes/No	IMAMS Adaptive Management employed  Yes/No	Adaptative Management Response
	Predator and Pests headline indicator	Number of feral animals within leased area	<p>No foxes were recorded during the report year.</p> <p>No cats recorded at QS. Multiple cats recorded at NH.</p> <p>Rabbit numbers increased due to NPWS and neighbouring suspension of control program in 2022. Rabbit numbers are above benchmark of 24 rabbits in lease area. Benchmark to be reviewed as part of IMAMS 2023 review.</p> <p>Black Rats not included in NPWS 2022 monitoring program and will be factored into the 2023 IMAMS review.</p>	<p>✓ foxes and cats</p> <p>✗ rabbits and black rats</p>	<p>Yes</p>	<p>NPWS implemented pest management program to reduce numbers of predator and pests. This program forms part of the Regional Pest Management Strategy 2012-17: Metro North East Region and Regional Strategic Pest Animal Management Plan: Greater Sydney LLS.</p> <p>NPWS reviews the rabbit and fox control operational plans annually.</p> <p>NPWS controlled approximately 39 rabbits at NHQS over 5 shoot nights as part of the 2022 rabbit and fox monitoring and control program.</p> <p>NPWS state-wide suspension of shooting program from mid-September to November 2022 impacted pest control program. NPWS will recommence shooting program following school holidays in February 2023. NPWS intend to increase shooting program in 2023 to address increase in rabbits.</p> <p>Neighbouring site, North Head Sanctuary Visitor Centre managed by Sydney Harbour Federation Trust also suspended their shooting program</p>

Monitoring Program Framework			2022 Monitoring Report			
CoPA 217 feature to be monitored	IMAMs headline indicator	IMAMs monitoring description	Analysis of 2022 monitoring results and trends collected over time	IMAMS Acceptable Range  Yes/No	IMAMS Adaptative Management employed  Yes/No	Adaptative Management Response
						<p>which has also contributed to the increase in rabbits across North Head. Sydney Harbour Federation Trust are also recommencing their shooting program in 2023.</p> <p>NPWS is reviewing adaptive management measures to control cats including education with neighbours regarding domestic cats.</p>
	Native vegetation health headline indicator	Flora threatened species (Sunshine Wattle and Camfield's Stringybark abundance, ESBS)	<p>Number of Sunshine Wattle are above 12 individuals ✓</p> <p>Number of Camfield's Stringybark are above 1 individual</p> <p>ESBS regeneration area is above 600m2</p>		No	<p><i>Acacia Terminalis</i>, <i>Eucalyptus camfieldii</i> and Eastern Banksia Scrub Bushland are managed under the NSW Government Threatened Species Program.</p> <p>NPWS and DPE Threatened Species Officers have reviewed current management measures and no further adaptive management responses were required this reporting year.</p>
		Native revegetation within leased area	<p>Opportunities for native revegetation continues to be monitoring and managed by NPWS and supported by NSW Government Saving Our Species program.</p>	✓	Yes	<p>Revegetation of 100 sunshine wattles were organised by DPE Saving our Species branch and NPWS Aboriginal Partnerships Back to Country funding.</p> <p>Contractor local provenience species being propagated ready for planting in Autumn 2023.</p>

Monitoring Program Framework			2022 Monitoring Report			
CoPA 217 feature to be monitored	IMAMs headline indicator	IMAMs monitoring description	Analysis of 2022 monitoring results and trends collected over time	IMAMS Acceptable Range  Yes/No	IMAMS Adaptative Management employed  Yes/No	Adaptative Management Response
	Fuel load in bushland	<p>The NPWS Fire Incident Management Team assess and manages bushfire threats including bushland fuel loads for North Head Quarantine Station as part of the North Head Precinct Fire Management Strategy.</p> <p>QS monitoring fuel range recorded September 2022 was under benchmark (4 to 12 ha).</p>	✓	Yes	<p>NPWS fire management strategies are under review and transitioning across to the new NPWS Reserve Bushfire Planning Process. The North Head Fire Management Strategy (which includes Quarantine Station) is scheduled to be complete by mid-2023</p> <p>A review of the REF Clearing, Trimming and Management of Vegetation – QS is scheduled to be updated in 2023 including an audit of condition of Asset Protection Zones in the lease area.</p>	
	flora displaying dieback	<p>One dead Pine Tree (<i>Pinus radiata</i>) identified this reporting year.</p> <p>Phytophthora was not detected during Acacia terminalis annual NSW Government Saving our Species monitoring program in June 2022.</p>	✓	Yes	<p>NPWS approved Q Station Management to remove one Pine Tree (<i>Pinus radiata</i>) as supported by arborist report covering heritage exemption and condition/risk of dead tree.</p>	

Monitoring Program Framework			2022 Monitoring Report			
CoPA 217 feature to be monitored	IMAMs headline indicator	IMAMs monitoring description	Analysis of 2022 monitoring results and trends collected over time	IMAMS Acceptable Range  Yes/No	IMAMS Adaptive Management employed  Yes/No	Adaptative Management Response
		Weed coverage	<p>Weed coverage continues to be monitored and managed by NPWS. Weed coverage is low to moderate across QS bushland areas.</p> <p>While there are several weeds growing across the site, NPWS targets weed control according to priority and where it will have the greatest impact to improve resilience and biodiversity at NHQS.</p>	Benchmarks to be reviewed as part of IMAMS review in 2023.	Yes	<p>NHQS weed management sites are detailed in the Regional Pest Management Strategy and Regional Strategic Weed Management Plan.</p> <p>NPWS maintains a record of weed coverage via the Pest Weed Information System which is used to review and inform weed management priorities for NPWS staff and contractors.</p> <p>Key weed species targeted in 2022 included Pampas grass (<i>Cortaderia</i>) and Lantana (<i>Lantana camara</i>).</p>
Soil and erosion	Soil and erosion headline indicator	Erosion of soil	<p>There was one soil erosion incident recorded during the reporting year.</p> <p>Heavy rainfall in March 2022 resulted in significant flash flooding and caused significant erosion at Quarantine Beach.</p> <p>Erosion events were under benchmark of 5 per year.</p>	✓	Yes	<p>NPWS completed remediation works by refilling the eroded drainage channel with sand.</p> <p>Former lessee (Mawland Group) checked all drainage systems for blockages and cleared the drainage channel along the creek line.</p>



Images: NPWS remediating soil erosion at Quarantine Beach.

## 6.6 Appendix F – Consultation Responses January–February 2023

**From:** Meredith Morris <[meredith.morris@transport.nsw.gov.au](mailto:meredith.morris@transport.nsw.gov.au)>  
**Sent:** Friday, 17 February 2023 10:02 AM  
**To:** Rose Porter <[rose.m.porter@environment.nsw.gov.au](mailto:rose.m.porter@environment.nsw.gov.au)>  
**Cc:** alanrbrown <[alanrbrown@gmail.com](mailto:alanrbrown@gmail.com)>  
**Subject:** RE: HPE CM: Invitation to comment on North Head Quarantine Station 2022 Annual Report - TfNSW

Dear Rose

Thank you for the reminder.

My only comment on the draft 2022 Annual Environment Report for Q-Station is in relation to the Compliance requirement regarding the **Wharf** under item 42 (page 50-51), where references are made to the “Waterways Authority” but should now be “Transport for NSW”.

Best regards  
Meredith

**Meredith Morris**

Portfolio Leasing Manager | Commercial, Community & Crown  
Property Asset Management  
Commercial, Performance & Strategy  
Infrastructure & Place | **Transport for NSW**

T 8849 2577 M 0434 904 256 E [Meredith.morris@transport.nsw.gov.au](mailto:Meredith.morris@transport.nsw.gov.au)  
33 James Craig Road, Rozelle NSW 2039



**Transport  
for NSW**

I acknowledge the Aboriginal people of the country on which I work, their traditions, culture and a shared history and identity. I also pay my respects to Elders past and present and recognise the continued connection to country.





Ms Rose Parker  
Environmental Liaison Officer  
Department of Planning and Environment  
Environment and Heritage Group

By email: [rose.m.porter@environment.nsw.gov.au](mailto:rose.m.porter@environment.nsw.gov.au)

Dear Ms Porter

**COMPLIANCE WITH CONDITIONS OF CONSENT**  
**Conservation and adaptive re-use of the North Head Quarantine Station (MP08\_0041)**  
**Condition 221 (Annual Environmental Report)**

Thank you for the submission of the draft *2022 Annual Environmental Report, Quarantine Station North Head – MP 08-0041*, prepared by National Parks and Wildlife Service in partnership with Q Station, to satisfy Condition 221 of Major Project approval MP08\_0041.

**Condition 221**

*An annual environmental report for the activity shall be prepared by the co-proponents and submitted to the DEC, DIPNR, NSW Heritage Council, Waterways Authority, NSW Fisheries and the Quarantine Station Community Committee for comment. In reviewing the annual environmental report these organisations are to specifically consider issues associated with visitor impacts arising from the activity.*

Heritage NSW have reviewed the draft 2022 Annual Environmental Report (Report) in conjunction with condition 221 (CoA no. 221) specifically issues which relate to visitor impacts arising from the activity and provide the following comments:

- Table 1 details comments received that deal with any visitor impact arising from the activities on site. This table is empty.

Thank you for providing the report to the Heritage Division and we have no further comment at this time.

If you have any questions regarding the above advice, please contact James Quoye, Senior Assessments Officer at Heritage NSW on 9873 8612 or [james.quoye@environment.nsw.gov.au](mailto:james.quoye@environment.nsw.gov.au).

Yours sincerely

**Michael Ellis**  
Manager Assessments  
Heritage NSW  
Department of Planning and Environment  
**As Delegate of the Heritage Council of NSW**  
7 February 2023

cc: Ms Katie Littlejohn, A/Director Greater Sydney Branch, NPWS  
Mr Glenn Michael Piper, Sole Director, North Head Sydney

