

PORT AUTHORITY OF NSW HERITAGE INVENTORY

State Heritage Inventory

SHI Number: 4560003		Study Number: 4920034							
Item Name: Eastern Channel Front Lead									
Location: 80 Wentworth Road (corner F	itzwilliam Rd)), Vauc	luse						
Address: 80 Wentworth Road (corner Fitzwilliam Rd) DUAP Region: Sydney South									
Suburb / Nearest Town: Vaucluse 2030 Historic Region: Sydney									
Local Govt Area: Woollahra		Parish	: Alexanc	Iria					
State: NSW		Count	y: Cumbe	erland					
Other/Former Names: Eastern Channel Vaucluse Bay Range Front Light, Watso					eading Lights,				
Area/Group/Complex: Category 2 Aid to Navigation Port Safety OperatingGroup ID: 2Licence (SYD-013A)									
Aboriginal Area: Birrabirragal people									
Curtilage/Boundary:									
Item Type: Built Gro	oup: Maritime	Indust	try	Category: Le	ading Lights				
Owner: Port Authority of New South Wales									
Current Use: Aid to navigation under the Port Safety Operating Licence									
Former Uses:									
Assessed Significance: State Endorsed Significance:									
Statement of Significance:									
Significant as part of a group of lighthouse towers and leads that together form the core of the navigational system of Sydney Harbour that enables it to operate as a world class port. The collection of lights which form this system are together of State significance in that they have facilitated the operation of Sydney Harbour as a World Class Port and so have been instrumental in the development of the City of Sydney. The Eastern Channel Front Lead is also aesthetically significant due to its landmark value, as well as having historical significance as evidence of differing approaches to lighthouse and lead design throughout Sydney's maritime navigational history.									
Historical Notes or Provenance:									
In May 1881 the Office of Engineer-in-Chief for Harbours and Rivers, Sydney published a call for tenders for the 'erection of two leading towers in connection with the navigation of the Harbour, on the Vaucluse Estate' which were to replace 'temporary beacons' in the channel. By December 1881 the Evening News noted the 'leading light towers, Eastern Channel' would be exhibiting a red light from 20 December from sunset to sunrise. According to R G Fenn, electrical engineer for the former Maritime Services Board, the									

In 1910 additional land was purchased by the Sydney Harbour Trust Commissioners in connection with the lighthouse for £579, five shillings and five pence. In June of that year, the illuminant for the light was changed from oil to gas. In 1916 it was converted to the AGA system (Dalén light), which was a method

two identical leading lights at Vaucluse had a 'chromium-plated parabolic reflector and red window'.



for the automation of lightl engineer, Nils Gustaf Dalér		ncorporating ace	etylene gas and a	sun val	lve, invented by the Swedish					
Themes:	Nationa	al Theme:	State Theme:		Local Theme:					
	3. Econ	omy	Transport		(none)					
Designer:										
Maker / Builder: Marine Board of New South Wales										
Year Started: 1881	ear Started: 1881 Year Completed: 1881 Circa: No									
Physical Description: The current tower has been described as a 'Disney Castle' style. It is a cylindrical white, rendered, small navigation tower approximately 12m high x 1.5m wide, decorated pointed apex with decorative corbelling below. (Hughes, Trueman, Ludlow, Ashton 1984:L14)										
It houses a fixed red light which acts as a leading beacon for the Eastern Channel at the entrance to Sydney Harbour. The tower is accessed via a small enclosure with white, rendered walls, a triangular parapet with decorative cornices, and a corrugated metal hipped roof.										
The Eastern Channel Front Lead is used in conjunction with the Eastern Channel Rear Lead (SYD-013B) with which it lines up.										
Physical Condition: The lea issues noted (December 20		ior appears in ge	enerally good cor	ndition v	with no identifiable significant					
Modification Dates:										
1896 – repairs conducted by W Steel										
1910 – converted from oil to gas illuminant										
1916 – converted to AGA system										
c2000 – lead paint removed, and structure repainted with lead-free paints (according to occupant of property)										
2019 – the door was replaced with a like-for-like hardwood timber. Corroded section of roof as well as a section of the guttering removed and replaced.										
Recommended Management: Retain in situ and conserve										
Preparation of a Heritage Assessment of Port Authority of NSW Sydney Harbour Aids to Navigation in order to confirm relevance of group listing, assessed State significance and applicability of individual items.										
Preparation of a Maintenance and Conservation Works Schedule to ensure acceptable condition and assist in long-term conservation.										
Management: Statutory Instrument										
Further Comments: Port Authority of New South Wales aid to navigation under the Port Safety operating Licence. Mains power red fixed light.										
Criteria a) Of historical significance for its use in navigation of Sydney Harbour over the past century. It has been an intrinsic part of a group of leading lights (Anglin 1990:3001). The tower also acts as evidence of different approaches to lighthouse and lead design throughout the developmental history of navigation aids within Sydney Harbour.										
Criteria b)										

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Criteria c) Of aesthetic significance as a notable example of a purpose-built structure, historically associated with navigation since 1881 It is visually prominent in Sydney Harbour and has landmark values.

Criteria d)

Criteria e) Of research significance for its association with navigation.

Criteria f)

Criteria g) Representative of the group of leads and lighthouse towers that together form the core of the navigational system of Sydney Harbour that enables it to operate as a world class port. Of State significance as part of the group.

Integrity / Intactness: The building is in generally good condition and continues to reflect its original construction, subsequently the item is considered intact.

References: Author: Title:								
Reference			Year:					
	MSB	Sailing D	1983					
	Ward, A M	The Entr Jan-Apri	1951					
	Sydney Harbour Trust	The Syd being fo	1910)				
	Sydney Harbour Trust	The Syd being fo	1911					
	R G Fenn		Lighting in the Port of Sydney, Port of Sydney Journal, vol 2, no 8, page 249					
	NSW Government	'Tenders Gazette, article22	13/0	5/1881				
		-	'Along the Wharves', Evening News, page 4, http://nla.gov.au/nla.news-article107225302					
			'Sydney Chamber of Commerce', Sydney Morning Herald, page 9, http://nla.gov.au/nla.news-article13487799					
		'Tenders http://nl	7/10	/1896				
Studies: A	Author:		Title: Num		r: Ye	ear:		
	Heritage Group, Dept of Public Works		NSW Marine Ministerial Holding Corporation, Heritage and Conservation Register	492003	4 19	998		
	Susan McIntyre-T Heritage Consult	-	Sydney Ports Corporation Heritage and Conservation Register	456000	3 20)04		
	Anglin Associates		Sydney Harbour Maritime Services Board Heritage and Conservation Register	30001	19	990		

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	Trueman Ludlo Howard Tanner Assoc: Prof Ian Ashton	and	t: Wool	Woollahra Heritage Study						1984
Parcels:	Parcel (Code:	Lot Num 1	ber:	Section:	Plan Code: DP			Plan Number: 1131534	
Latitude: -	33.849555				Longitude: 151.273935					
Listings:	Heritage Act – S.170 NSW State agency heritage register Woollahra Local Environmental Plan 2014			Lead Easte Light	ad 4 stern Channel Front 4 stern Channel 4 ghthouse—Front Lead			er:)3	Date: 1/07/	2004
	Heritage study Within a National Trust conservation area			Watsons Bay Sydney Harbour Landscape Conservation Area						
Data Entry: Date First E 06/12/200			red: Date Updated: 10/01/2023			Status Basic	S:	1		



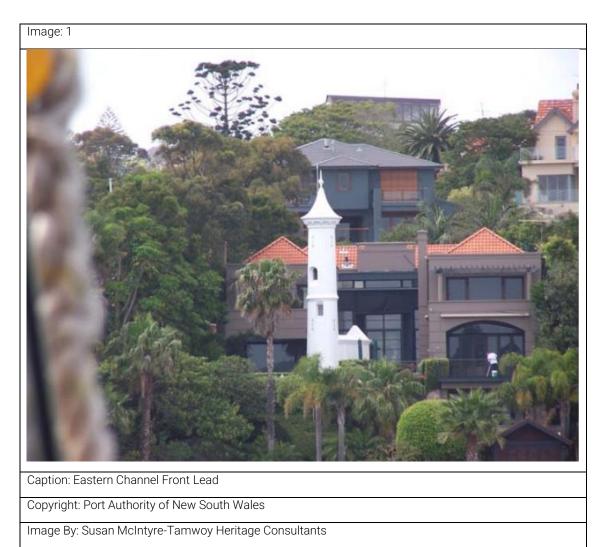
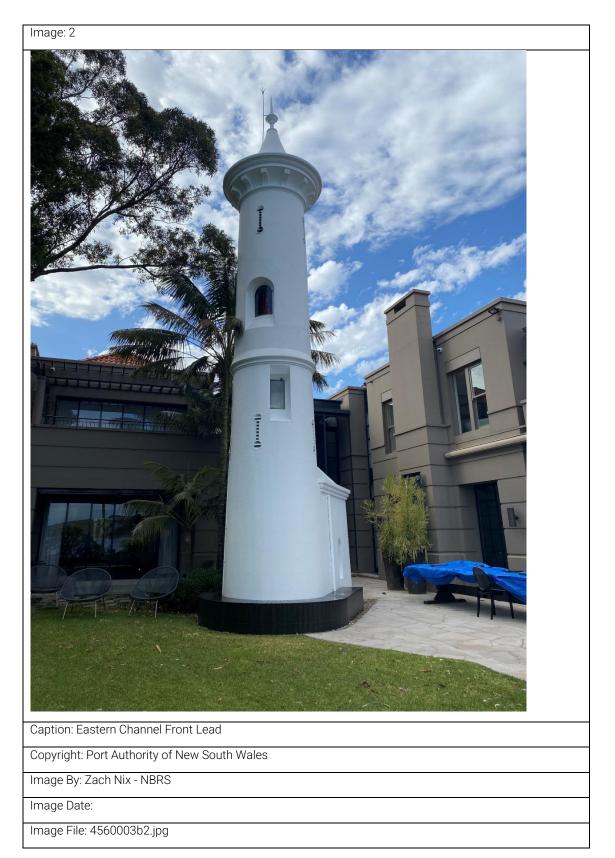


Image Date:

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