



**PORT STEPHENS**  
COUNCIL

## **Environmental Assessment**

### **Level 4**



## **ENVIRONMENTAL IMPACT STATEMENT**

### ***East Seaham Road Stages 5 & 6, East Seaham***

### ***REFERENCES & ACRONYMS***



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## **REFERENCES**

Australian Bureau of Meteorology; accessed 15 February 2025

Austroads, 2020, Guide to Traffic Management – Part 3 Traffic Studies and Analysis

Barker Ryan Stewart, 2018, Drainage Report East Seaham Road Stage 5

Biosis, 2025, Aboriginal Due Diligence Assessment

Biosis, 2025, Statement of Heritage Impact (2025a)

Cardno, 2017, Report on Pavement Investigation

Contaminated Sites Register; accessed 11 February 2025

Department of Planning, Industry and Environment, 2020a, Biodiversity Assessment Method  
Fairfull, S, 2013, Fisheries NSW Policy and Guidelines for Fish Habitat Conservation and  
Management (2013 update)

Hunter Civilab, 2024, Pavement Investigation & Design East Seaham Road, East Seaham  
Report Ref: G0558-R-001-Rev0

Hunter Environmental Consulting, 2024, Material Management Options East Seaham Road,  
East Seaham Report Ref: E0208-MMO-001-Rev0

Hunter Water, 2022, Williams River Erosion Management

Landcom, 2004, Managing Urban Stormwater, Soils and Construction Volume 1

National Transport Commission, 2020, Australian Dangerous Goods Code NSW

NSW Department of Climate Change, Energy, the Environment and Water, 1995, Soil  
Landscapes of the Newcastle 1:100,000 Sheet

NSW Department of Climate Change, Energy, the Environment and Water, 2016,

Hydrogeological Landscapes of New South Wales and the Australian Capital Territory

NSW Department of Environment and Climate Change, 2004, Threatened Biodiversity  
Survey and Assessment Guidelines – Working Draft

NSW Department of Environment and Climate Change, 2008, Managing Urban Stormwater,  
Soils and Construction Volume 2D

NSW Department of Environment, Climate Change and Water, 2009, Sea Level Rise Policy  
Statement



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NSW Department of Primary Industries, 2013, Aquifer Interference Assessment Framework

NSW Department of Primary Industries, 2013, Aquifer Interference Policy

NSW Department of Primary Industries, 2022, Key Fish Habitat maps

NSW National Parks and Wildlife Services, 2020, Developments adjacent to National Parks and Wildlife Service lands: Guidelines for consent and planning authorities

NSW Rural Fire Service, 2015, Bush Fire Prone Land Mapping Tool

NSW Rural Fire Service, 2019, Planning for Bush Fire Protection

Port Stephens Council, 2023, Hinterland Place Plan

Port Stephens Council, 2022, Community Strategic Plan 2022 to 2023

Port Stephens Council, 2017, Strategic Asset Management Plan 2017-2027

Port Stephens Council Drainage and Flooding Unit, 2025, East Seaham Road Stage 6 – Culvert modelling

Port Stephens Council Drainage and Flooding Unit, 2025, East Seaham Road Addendum to Stage 6 Culvert Modelling – Regular Event Modelling and Water Quality Analysis

State of NSW and Department of Planning and Environment, 2023, Floodplain risk management manual: The policy and manual for the management of flood liable land

State of NSW and Office of Environment and Heritage, 2018, Biodiversity Assessment Method Operational Manual – Stage 1

State of NSW and Office of Environment and Heritage, 2014, Hunter Climate Change Snapshot

State of NSW, Environmental Protection Authority, 2009, Interim Construction Noise Guideline

State of NSW, Environmental Protection Authority, 2014, Waste Classification Guidelines

State of NSW, Environmental Protection Authority, 2014, Waste Management Guidelines

State of NSW, Environmental Protection Authority, 2009, Draft Construction Noise Guideline

Transport for NSW, 2024, Biodiversity Management Guideline Protecting and managing biodiversity on Transport for NSW projects

Transport for NSW, no date, Draft Hunter Strategic Regional Integrated Transport Plan



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WaterNSW, 2022, WaterNSW Realtime Data

Wildthing Environmental Consultants, 2025, Biodiversity Development Assessment Report  
for Stages 5 and 6 of a proposed road upgrade at East Seaham Road, East Seaham NSW





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## ACRONYMS

Acronym	Meaning
AEP	Annual Exceedance Probability
ARI	Average Recurrence Interval
BAM	Biodiversity Assessment Method
BDAR	Biodiversity Development Assessment Report
CEMP	Construction Environmental Management Plan
CKPoM	Comprehensive Koala Plan of Management
dbh	Diameter at breast height
DCCEEW	NSW Department of Climate Change, Energy, the Environment and Water
DGB	Densely graded base
DPH&I	NSW Department of Planning, Housing and Infrastructure
DPIRD	NSW Department of Primary Industries and Regional Development
EEC	Endangered ecological community
EIS	Environmental Impact Statement
ENM	Excavated Natural Material
ENM Order	Excavated Natural Material Order 2014
EP&A Act	<i>NSW Environmental Planning and Assessment Act 1979</i>
EPL	Environmental Protection Licence
EPRM	Excavated Public Road Material
FPA	Flood Planning Area
GDE	Groundwater Dependant Ecosystem
GNAPL	Greater Newcastle Aerotropolis
GPS	Global Positioning System
ha	hectares
hr	hour
IBRA	Interim Biogeographic Regionalisation for Australia



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Acronym	Meaning
KFH	Key Fish Habitat
km	kilometre
KPoM	Koala Plan of Management
LEP	Local Environment Plan
LGA	Local Government Area
m	metres
mm	millimetres
MNES	Matters of National Significance
NO	Nitrogen monoxide
NO <sub>2</sub>	Nitrogen dioxide
NO <sub>x</sub>	Nitrogen oxides
NorBE	Neutral or Beneficial Effect
NPWS	New South Wales National Parks and Wildlife Service
NSW	New South Wales
NSW EPA	New South Wales Environmental Protection Authority
O <sub>3</sub>	Ozone
PCT	Plant Community Type
PFAS	Per- and polyfluoroalkyl substances
PM <sub>2.5</sub>	Particles with a diameter of 2.5 micrometres or less
PM <sub>10</sub>	Particles with a diameter of 10 micrometres or less, PM <sub>10</sub> includes PM <sub>2.5</sub>
PMF	Probable Maximum Flood
PSC	Port Stephens Council
SAII	Serious and irreversible impact
SAMP	Port Stephens Council Strategic Asset Management Plan
SAT	Spot Assessment Technique
SEARs	Secretary's Environmental Assessment Requirements



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Acronym	Meaning
SEPP	State Environmental Planning Policy
SHR	NSW State Heritage Register
SoHI	Statement of Heritage Impact
SO3	Sulphur dioxide
Strategic Plan	Port Stephens Council Community Strategic Plan 2022 to 2032
T	Tonnes
TEC	Threatened Ecological Community
TfNSW	Transport for New South Wales
TN	Total Nitrogen
TP	Total Phosphorus
TSS	Total Suspended Solids
VENM	Virgin Excavated Natural Material