

Roads and Traffic Authority

Pacific Highway Upgrade -
Oxley Highway to Kempsey
Flora and Fauna Working Paper

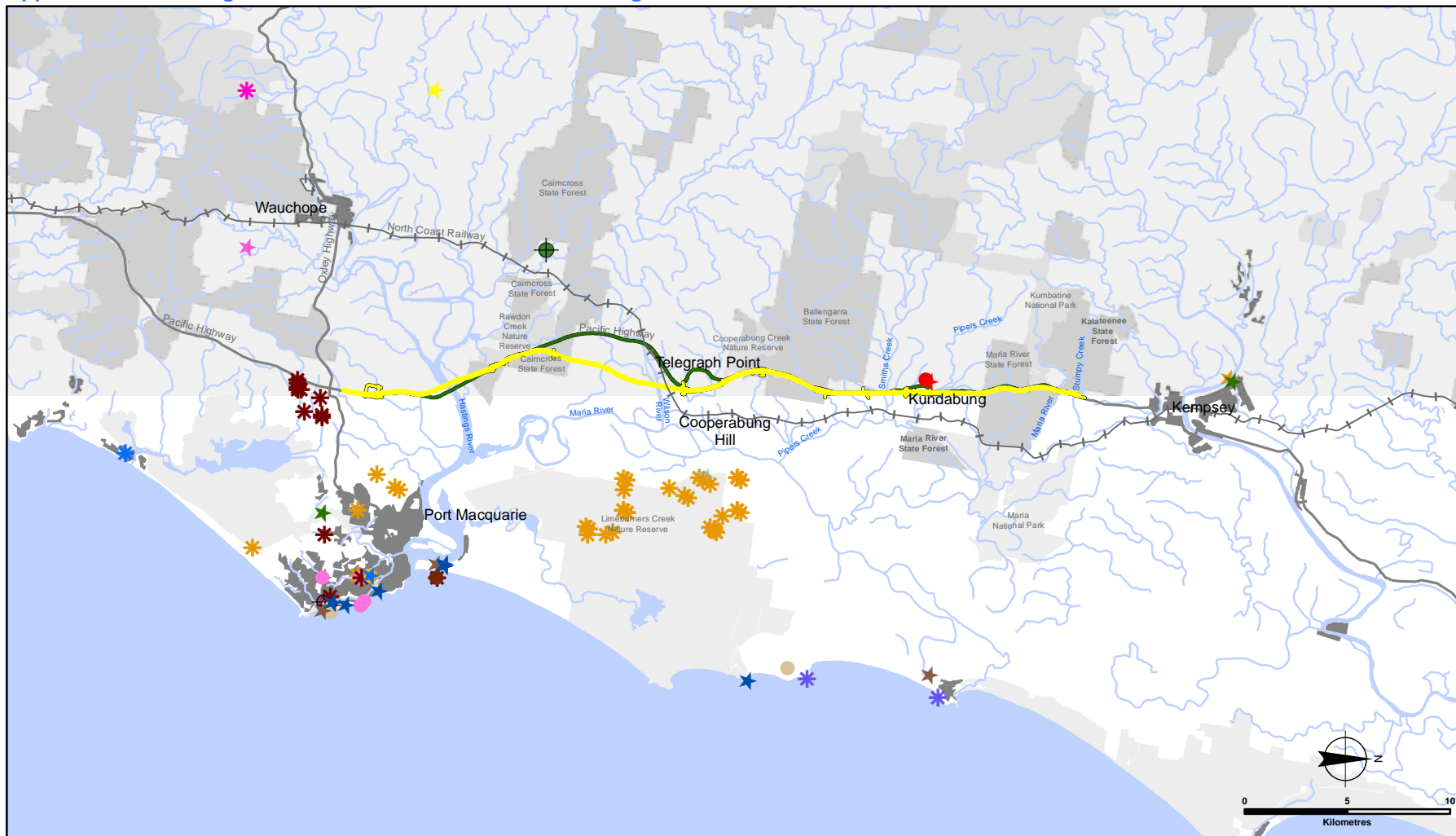
September 2010

GHD Pty Ltd
ABN 39 008 488 373
Level 3, GHD Tower
24 Honeysuckle Drive
NEWCASTLE NSW 2300
Phone: +61 2 4979 9999
Fax: +61 2 4979 9988
Email: ntlmail@ghd.com

Appendix A

NSW DECCW Wildlife Atlas database search results









Appendix A.1 - Ecological characteristics - threatened and significant flora



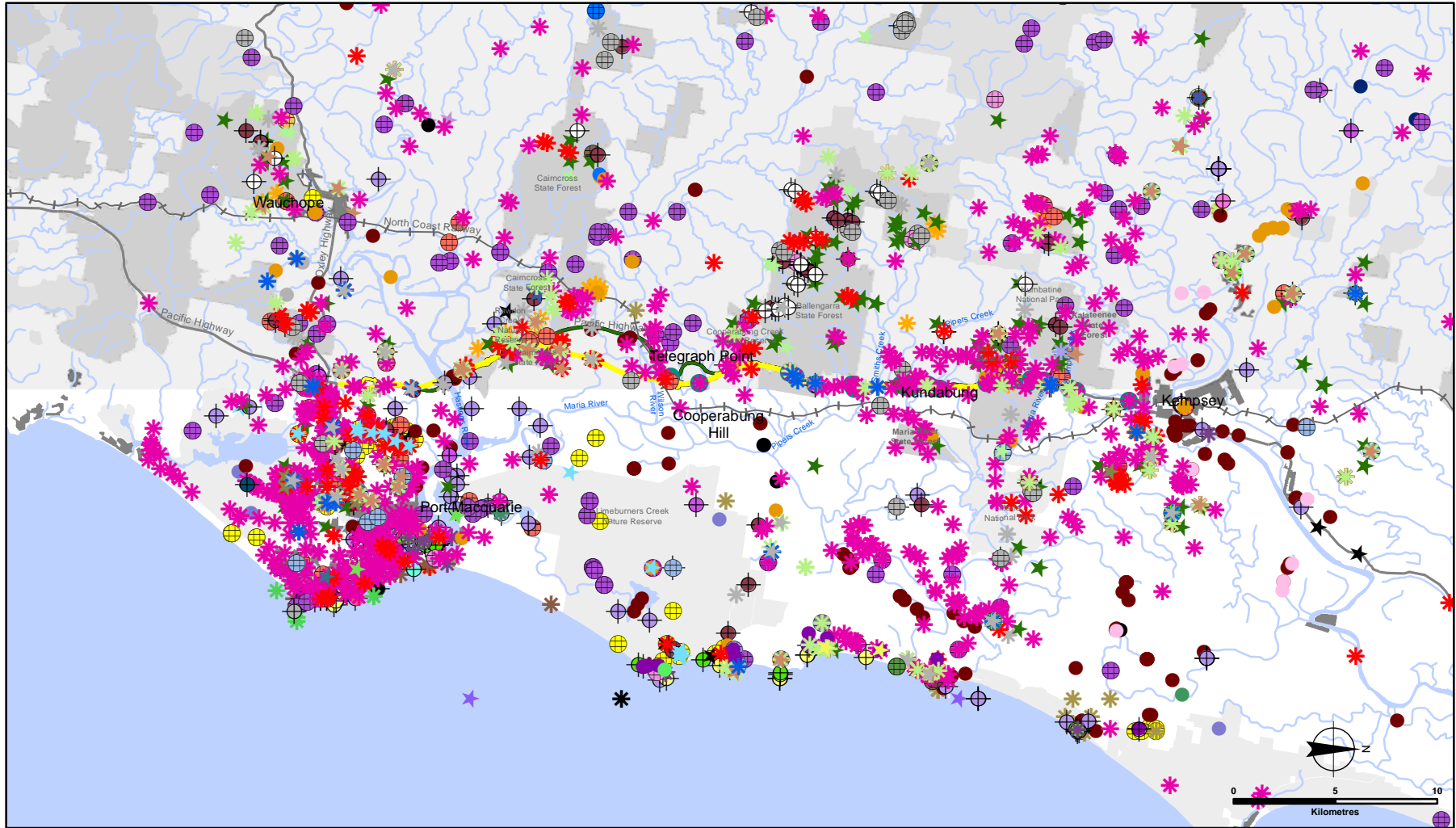
- | | | | |
|--------------|---------------|---------------------------------|--|
| The Proposal | Railway | National parks, Nature reserves | <i>Refer to Figure A.2 for key to threatened flora species sightings</i> |
| Service Road | Watercourse | State forests | |
| Road | Ocean / River | Built-up urban areas | |

Appendix A.2 - Key to threatened flora species sightings

Key to threatened flora species sightings

 Austral Toadflax	 <i>Acacia blakei</i> subsp. <i>diphylla</i>
 Biconvex Paperbark	 <i>Acacia tessellata</i>
 Big Nellie Hakea	 <i>Bertya brownii</i>
 Byron Bay Diuris	 <i>Boronia chartacea</i>
 Dwarf Heath Casuarina	 <i>Callerya australis</i>
 Grove's Paperbark	 <i>Claoxylon australe</i>
 Guthrie's Grevillea	 <i>Gahnia insignis</i>
 Hairy Jointgrass	 <i>Goodenia fordiana</i>
 Lady Tankarville's Swamp Orchid	 <i>Grevillea linsmithii</i>
 <i>Maundia triglochinosoides</i>	 <i>Kunzea</i> sp. 'Middle Brother Mtn'
 Milky Silkpod	
 Mountain Wax-flower	
 Red-flowered King of the Fairies	
 Sand Spurge	
 Scant Pomaderris	
 Scented Acronychia	
 Silverbush	
 Slender Marsdenia	
 Spider orchid	
 Tangled Bedstraw	
 Tree Guinea Flower	
 Trailing Woodruff	
 White-flowered Wax Plant	
 Willi Willi Zieria	

Appendix A.3 - Ecological characteristics - threatened fauna



- | | | | |
|--------------|---------------|---------------------------------|--|
| The Proposal | Railway | National parks, Nature reserves | <i>Refer to Figure A.4 for key to threatened fauna species sightings</i> |
| Service Road | Watercourse | State forests | |
| Road | Ocean / River | Built-up urban areas | |

Appendix A.4 - Key to threatened fauna species sightings

Key to threatened fauna species sightings

● Australasian Bittern	✱ Loggerhead Turtle
● Australian Fur-seal	✱ Long-nosed Potoroo
● Barking Owl	✱ Marbled Frogmouth
● Barred Cuckoo-shrike	✱ Masked Booby
● Beach Stone-curlew	✱ Masked Owl
● Black Bittern	✱ Olive Whistler
● Black Flying-fox	⊕ Osprey
● Black-breasted Buzzard	⊕ Painted Honeyeater
● Black-necked Stork	⊕ Painted Snipe (Australian subspecies)
● Blue-billed Duck	⊕ Painted Snipe (Australian subspecies)
● Brolga	⊕ Parma Wallaby
● Brown Treecreeper	⊕ Pied Oystercatcher
● Brush-tailed Phascogale	⊕ Powerful Owl
● Bush Stone-curlew	⊕ Regent Honeyeater
● Comb-crested Jacana	⊕ Rose-crowned Fruit-Dove
● Common Blossom-bat	⊕ Rufous Bettong
★ Common Planigale	⊕ Rufous Scrub-bird
★ Dugong	⊕ Shy Albatross
★ Eastern Bentwing-bat	⊕ Sooty Owl
★ Eastern Chestnut Mouse	⊕ Sooty Oystercatcher
★ Eastern False Pipistrelle	● Sooty Tern
★ Eastern Freetail-bat	⊕ Southern Right Whale
★ Eastern Long-eared Bat	● Sperm Whale
★ Eastern Pygmy-possum	● Sphagnum Frog
★ Flesh-footed Shearwater	● Spotted-tailed Quoll
★ Freckled Duck	● Square-tailed Kite
★ Giant Barred Frog	● Squirrel Glider
★ Giant Dragonfly	● Stephens' Banded Snake
★ Glossy Black-Cockatoo	● Stuttering Frog
★ Golden-tipped Bat	● Swift Parrot
★ Grass Owl	● Terek Sandpiper
★ Greater Broad-nosed Bat	● Turquoise Parrot
★ Green Turtle	● Wallum Froglet
★ Green and Golden Bell Frog	● White-eared Monarch
★ Green-thighed Frog	● Wompoo Fruit-Dove
★ Grey-headed Flying-fox	● Yellow-bellied Glider
★ Hoary Wattled Bat	● Yellow-bellied Sheath-tail-bat
★ Humpback Whale	● Koalas (Dr Vanessa, Standing Koala records)
★ Koala	
★ Large-footed Myotis	
★ Lesser Sand-plover	
★ Little Bentwing-bat	
★ Little Tern	