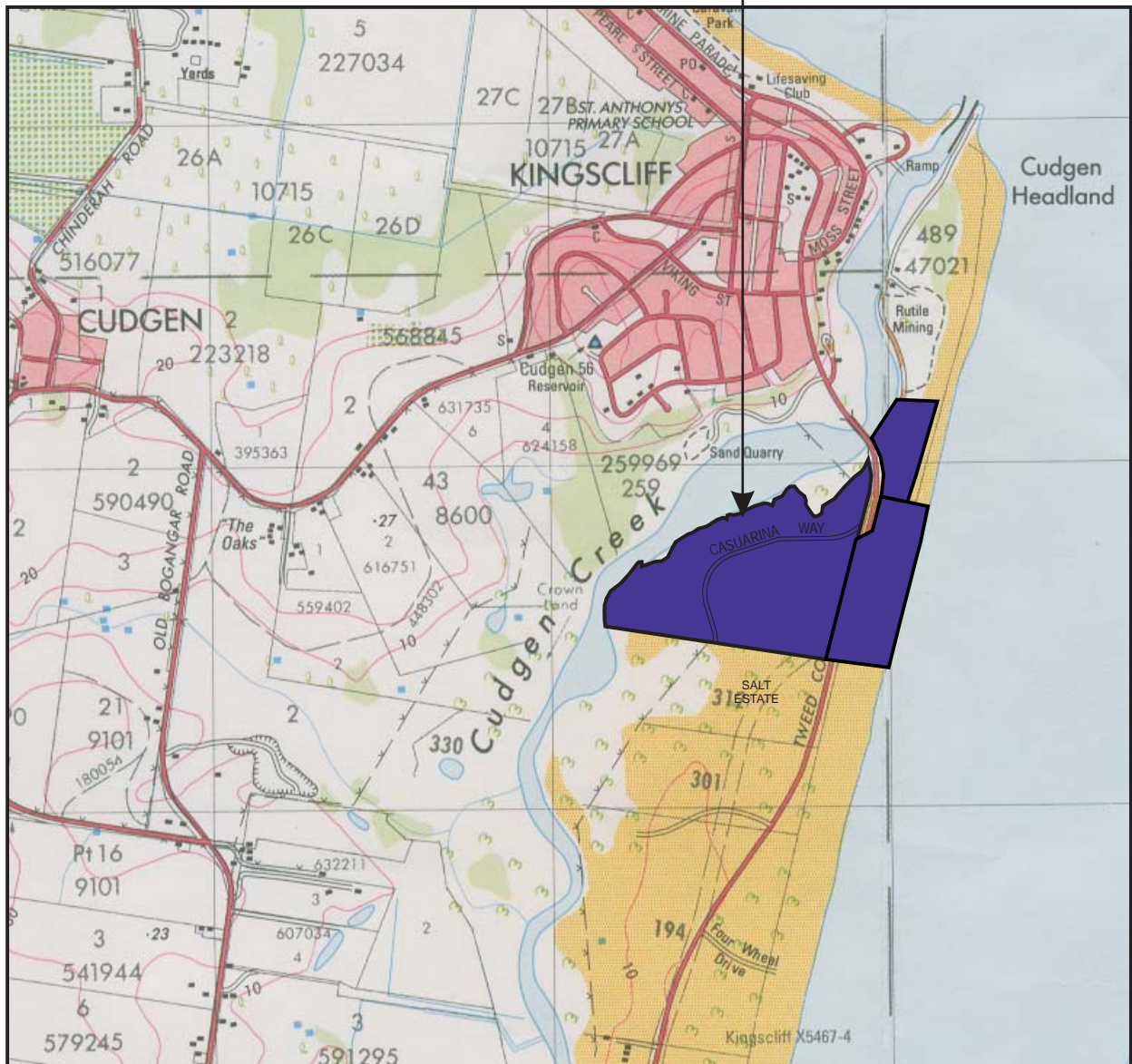




SUBJECT SITE



SOURCE: Cudgen Topographic Map

SCALE: 1 : 20 000 @ A4

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FIGURE 1

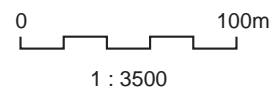
PREPARED: BW
DATE: 15 December 2009
FILE: N06034_EA_Locality.cdr

TITLE

**LOCALITY
PLAN**



LEGEND
 - - - Lot Boundary
 _____ Subject Site



SOURCE: JWA Site Investigations;
 Leighton Properties (Ref: 4547-000.jpg)
 SCALE: 1 : 3500 @ A3

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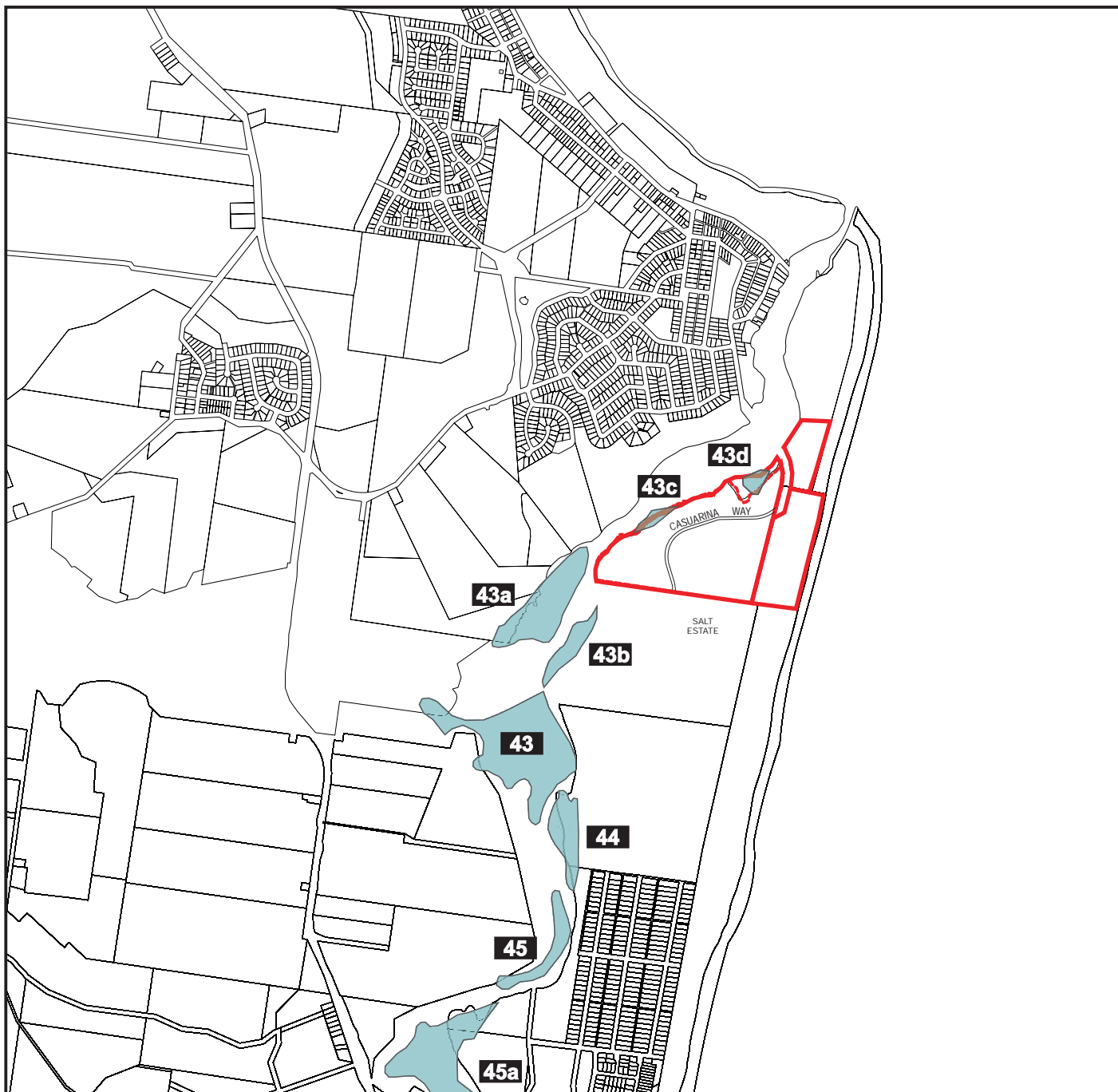
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 Lot 490 DP1095234; Lot 489 DP47021 & Lot 500
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FIGURE 2

PREPARED: BW
 DATE: 15 December 2009
 FILE: N06034_EA_Aerial.cdr

TITLE

**AERIAL
 PHOTOGRAPH**



LEGEND

- SEPP 14 Area & No.
- Subject Site



0 1000m

SOURCE: SEPP No. 14 Coastal Wetlands
Amend. No.14 ap 2

SCALE: 1 : 25 000 @ A4

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FIGURE 3

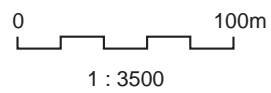
PREPARED: JA BW
DATE: 15 December 2009
FILE: N06034_EA_SEPP14.cdr

TITLE

**SEPP No. 14
COASTAL
WETLANDS**



- LEGEND**
- Management Areas
 - Lot Boundary
 - Subject Site



SOURCE: JWA Site Investigations;
Leighton Properties (Ref: 4547-000.jpg)
SCALE: 1 : 3500 @ A3

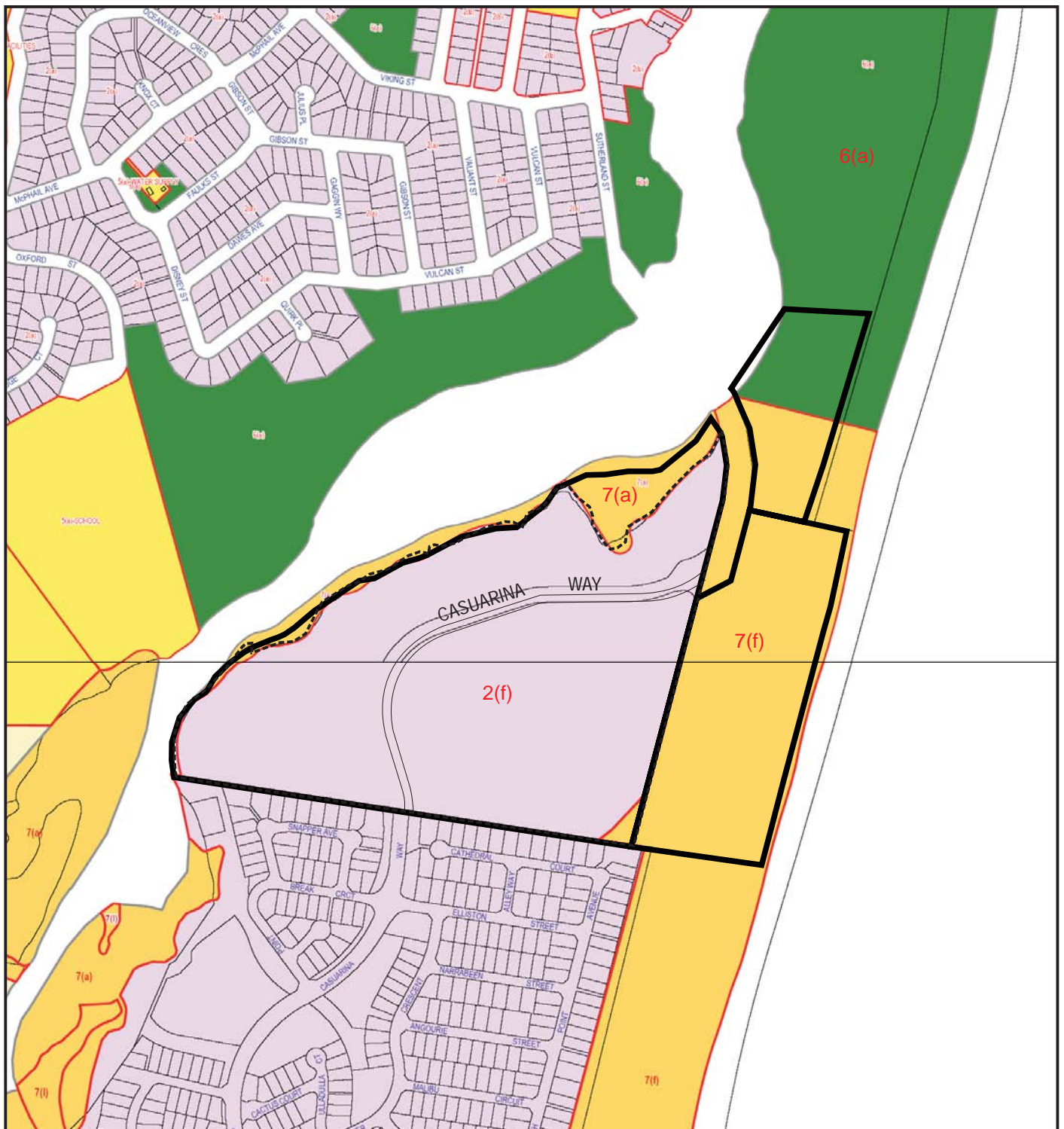
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FIGURE 4

PREPARED: BW
DATE: 15 December 2009
FILE: N06034_EA_Zones.cdr

TITLE
**MANAGEMENT
AREAS**



LEGEND

- 2(f) Tourism
- 6(a) Open Space
- 7(a) Environmental Protection (Wetlands & Littoral Rainforests)
- 7(f) Environmental Protection (Coastal Lands)
- Subject Site

0 100m 200m



SOURCE: Tweed Local Environmental Plan 2000 Maps 17 & 19

SCALE: 1 : 8000 @ A4

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FIGURE 5








PREPARED: VJA/BW
DATE: 15 December 2009
FILE: N06034_EA_LEP.cdr

TITLE

**TWEED L.E.P.
ZONINGS**



LEGEND

-  Resort internal circulation lanes
-  On ground pedestrian & cycling pathways
-  Suspended walkways
-  Fully accessible bungalows
-  Asset protection zone
- UP** Unit pod
- UPA** Fully accessible unit pod
- B2** 2 bedroom bungalow
- B2A** 2 bedroom fully accessible bungalow
- B3** 3 bedroom bungalow
- BSB** Beach side bungalow
- MA** Maintenance area
-  Lot Boundary
-  Subject Site

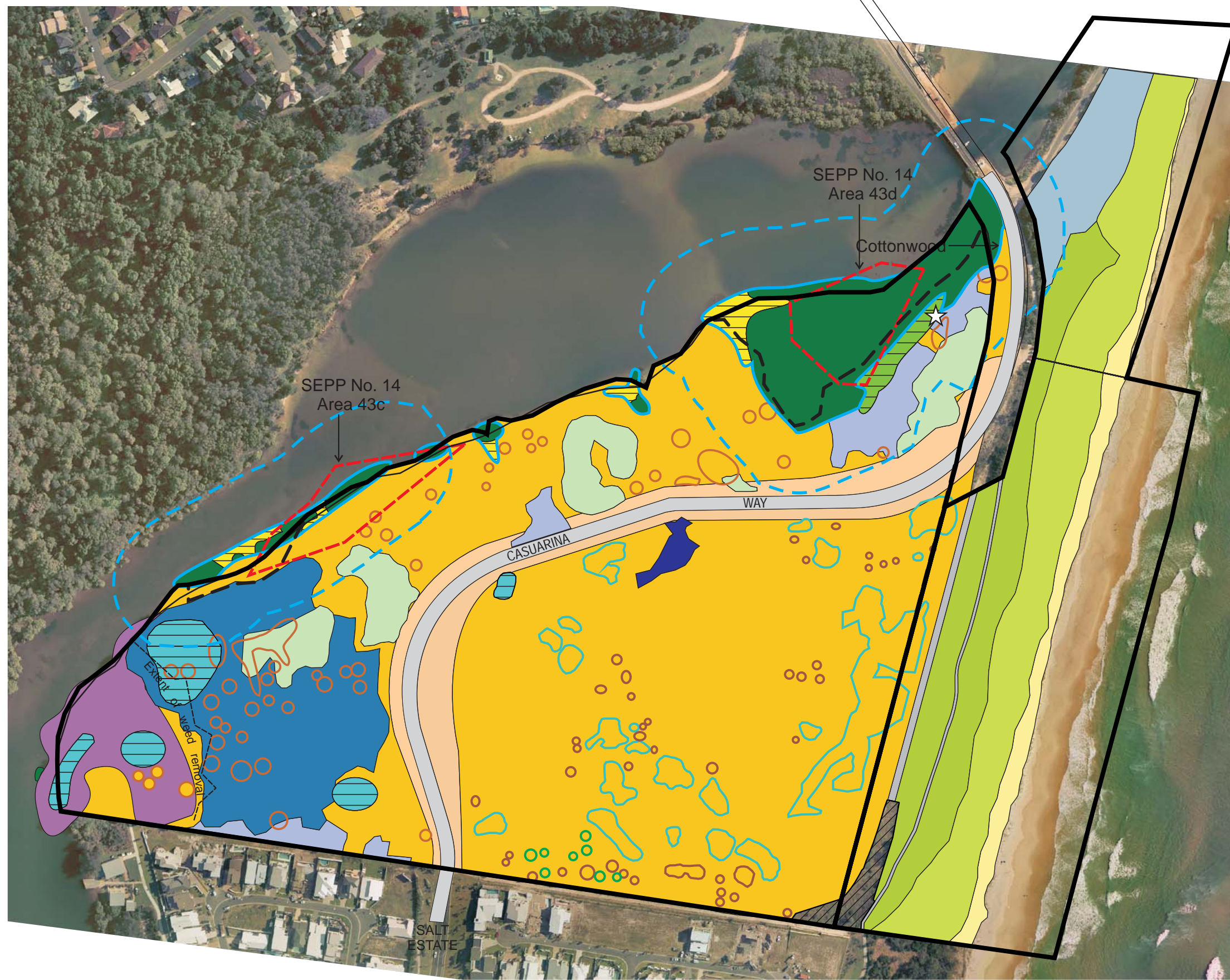


SOURCE: JMA Architects (Ref: MP-01-3 SITE PLAN(b).pdf Amended 18.03.10)
 SCALE: 1 : 3500 @ A3
JAMES WARREN & ASSOCIATES PTY LIMITED
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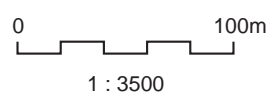
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FIGURE 6
 PREPARED: BW
 DATE: 18 March 2010
 FILE: N06034_EA_Layout.cdr

TITLE
PROPOSED DEVELOPMENT LAYOUT



- LEGEND**
- Community 1 - Mid-high closed forest (*Avicennia marina*)
 - Community 2 - Mid-high closed forest (Mixed species)
 - Community 3 - Mid-high closed forest (*Casuarina glauca*)
 - Community 4 - Mid-high open forest (*Banksia integrifolia*)
 - Community 5 - Mid-high open woodland (*Banksia integrifolia*, *Lantana camara*, *Leptospermum laevigatum*, *Acacia sophora*, *Macaranga tanarius* +/- Mixed species)
 - Community 6 - Mid-high open forest (*Macaranga tanarius*, *Acacia melanoxylon*)
 - Community 7 - Low closed shrubland (*Lantana camara*, *Chrysanthemoides monilifera* subsp. *rotundata* & Scattered trees)
 - Community 8 - Low closed grassland (*Sporobolus virginicus*)
 - Community 9 - Low closed grassland to bare ground (Mixed grass & weed species)
 - Community 10 - Mid-high closed forest (Mixed species)
 - Community 11 - Mid-high open forest (*Casuarina equisetifolia*)
 - Community 12 - Low open forest (*Acacia sophorae* +/- emergent *Casuarina equisetifolia*)
 - Community 13 - Low closed grassland (*Spinifex sericeus*)
 - Community 14 - Sedgeland (*Phragmites australis*, *Typha orientalis*, *Baumea articulata*)
 - Grassed verge
 - Area of existing revegetation plantings
 - Clumps (mainly *Banksia integrifolia* with occasional *Cupaniopsis anacardioides*)
 - Coast banksia (*Banksia integrifolia*)
 - Tuckeroo (*Cupaniopsis anacardioides*)
 - ☆ Stinking laurel (*Cryptocarya foetida*) (Vulnerable, TSC Act 1995)
 - Endangered Ecological Community
 - Mapped SEPP No. 14 areas
 - Ground Truthed Wetland
 - Buffer to Wetland (50m)
 - Existing Tracks
 - Lot Boundary
 - Subject Site

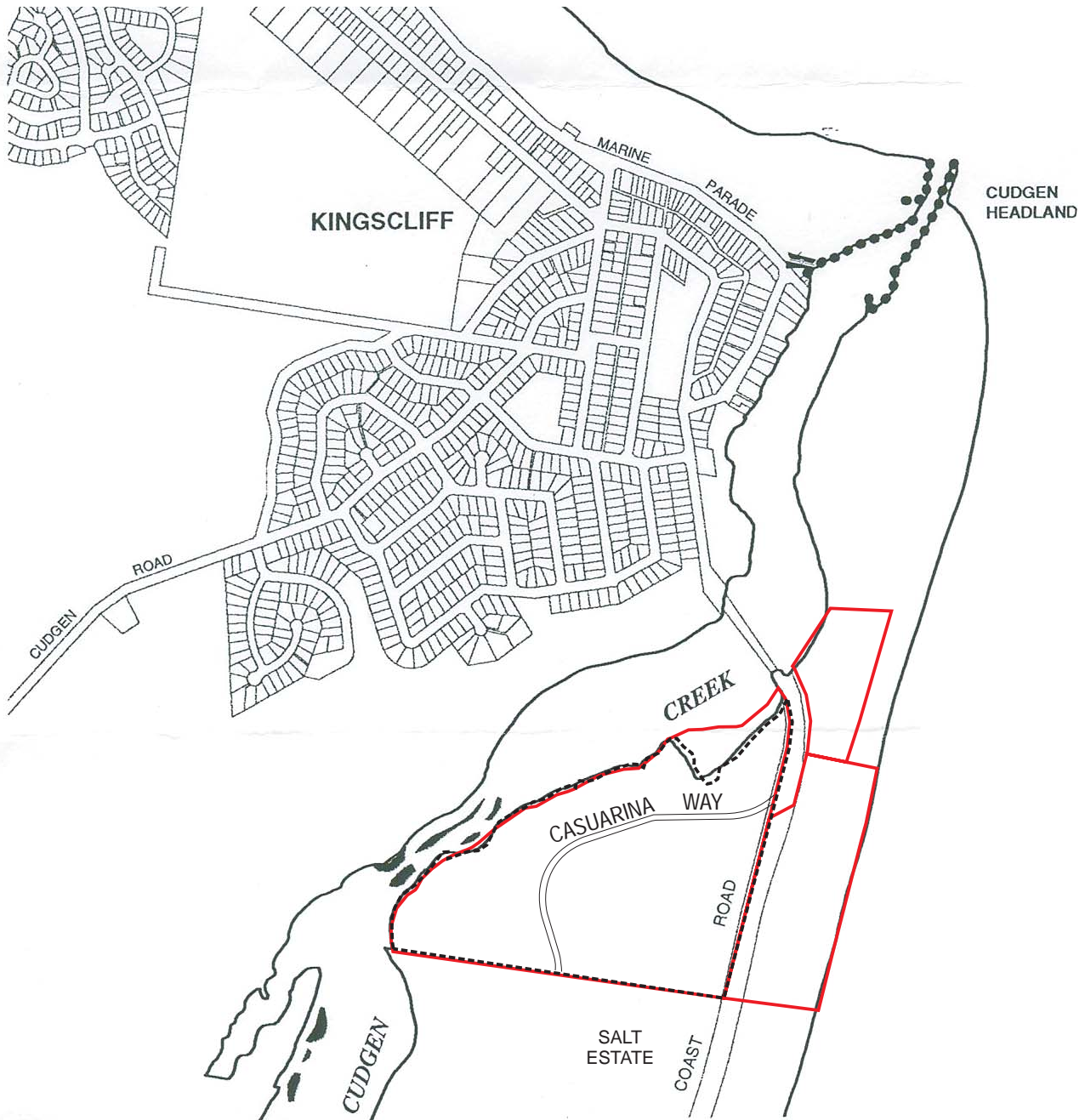


SOURCE: JWA Site Investigations; Leighton Properties (Ref: 4547-000.jpg)
 SCALE: 1 : 3500 @ A3
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 PROJECT: Ecological Assessment
 Lot 490 DP1095234; Lot 489 DP47021 & Lot 500 DP1095235; Casuarina Way, South Kingscliff
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FIGURE 7
 PREPARED: BW
 DATE: 15 December 2009
 FILE: N06034_EA_Vegetation.cdr

TITLE
EXISTING SITE VEGETATION



NOTE: Maps are schematic only.
 Variations in seagrass distribution
 can be expected due to annual and
 seasonal fluctuations.

LEGEND

- Subject site
- Seagrass (1995)



SOURCE: WBM Oceanics Australia
 Estuary Management Plan August 1997
 SCALE: 1 : 12 500 @ A4

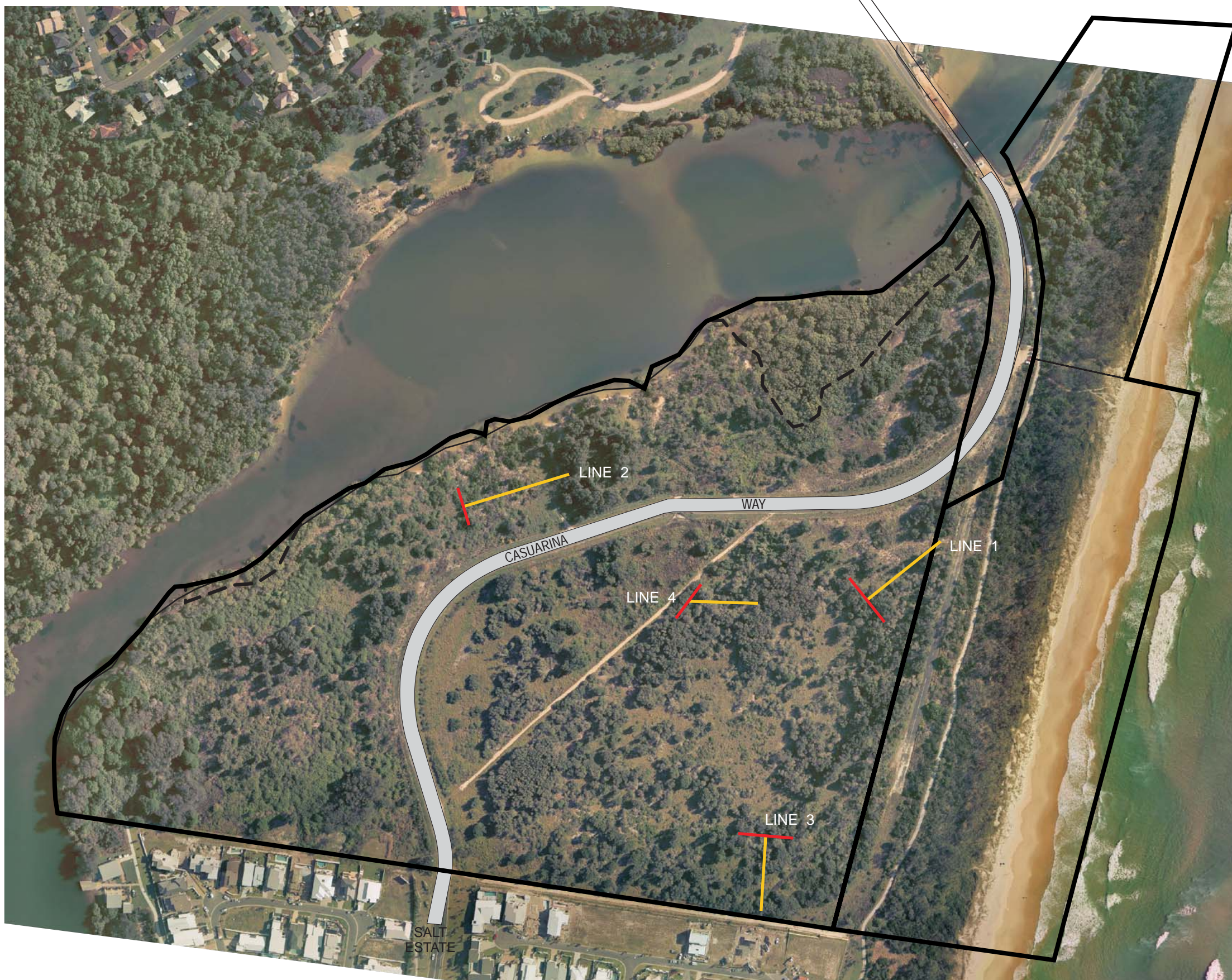
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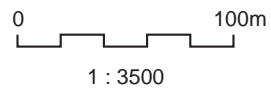
FIGURE 8

PREPARED: VJA/BW
 DATE: 15 December 2009
 FILE: N06034_EA_Seagrass.cdr

TITLE
**CUDGEN
 CREEK-NORTH
 SEAGRASS
 DISTRIBUTION**



- LEGEND**
- Pitfall Lines
 - Cage & Elliott Lines
 - - - Lot Boundary
 - Subject Site



SOURCE: JWA Site Investigations;
Leighton Properties (Ref: 4547-000.jpg)
SCALE: 1 : 3500 @ A3

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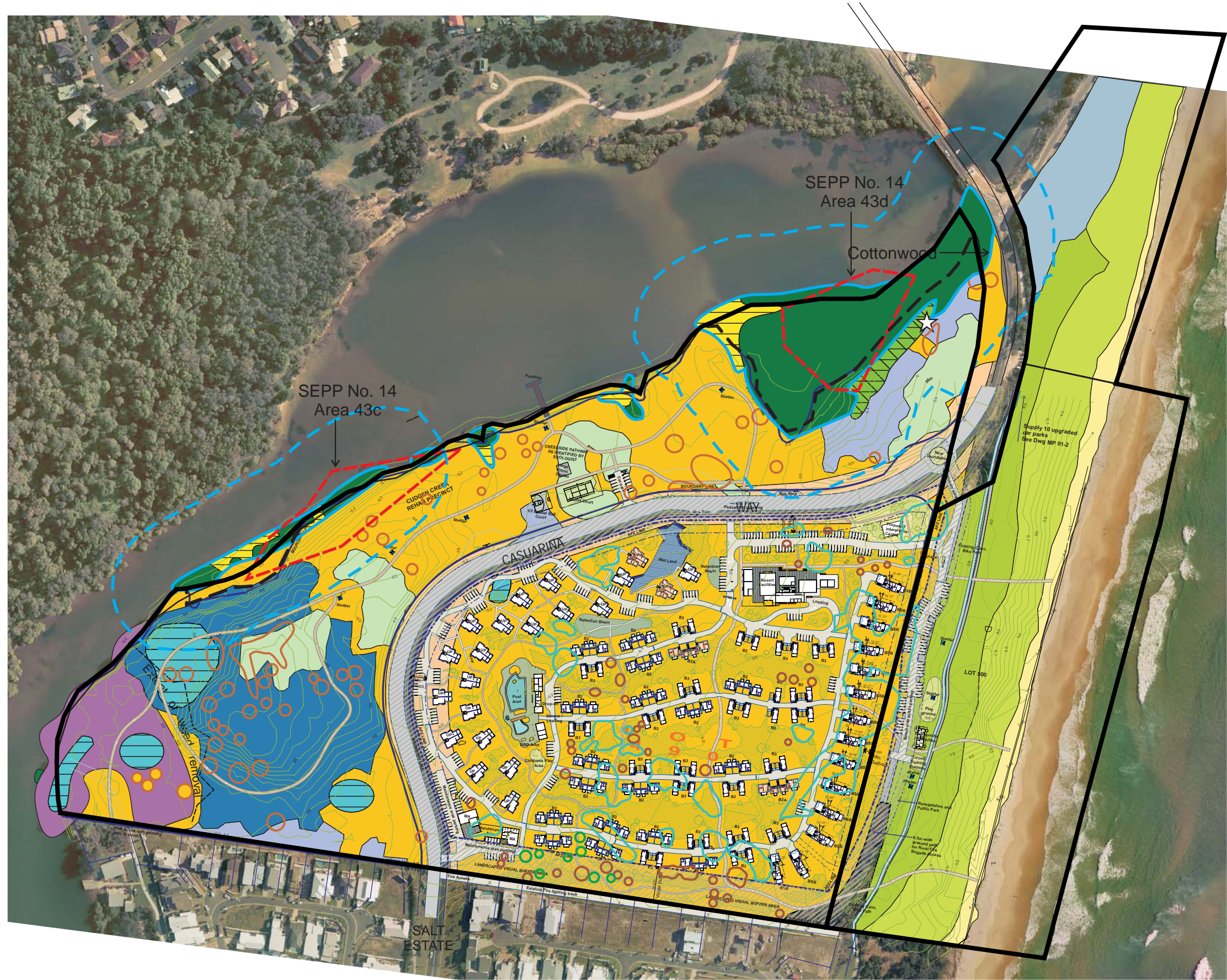
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FIGURE 9

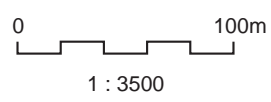
PREPARED: BW
DATE: 15 December 2009
FILE: N06034_EA_Survey.cdr

TITLE

SURVEY SITES



- LEGEND**
- Community 1 - Mid-high closed forest (*Avicennia marina*)
 - Community 2 - Mid-high closed forest (Mixed species)
 - Community 3 - Mid-high closed forest (*Casuarina glauca*)
 - Community 4 - Mid-high open forest (*Banksia integrifolia*)
 - Community 5 - Mid-high open woodland (*Banksia integrifolia*, *Lantana camara*, *Leptospermum laevigatum*, *Acacia sophora*, *Macaranga tanarius* +/- Mixed species)
 - Community 6 - Mid-high open forest (*Macaranga tanarius*, *Acacia melanoxylon*)
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 - Community 10 - Mid-high closed forest (Mixed species)
 - Community 11 - Mid-high open forest (*Casuarina equisetifolia*)
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 - Community 14 - Sedgeland (*Phragmites australis*, *Typha orientalis*, *Baumea articulata*)
 - Grassed verge
 - Area of existing revegetation plantings
 - Clumps (mainly *Banksia integrifolia* with occasional *Cupaniopsis anacardioides*)
 - Coast banksia (*Banksia integrifolia*)
 - Tuckeroo (*Cupaniopsis anacardioides*)
 - Stinking laurel (*Cryptocarya foetida*) (Vulnerable, TSC Act 1995)
 - Endangered Ecological Community
 - Mapped SEPP No. 14 areas
 - Ground Truthed Wetland
 - Buffer to Wetland (50m)
 - Potential Roost Habitat for Common blossom bat
 - Existing Tracks
 - Lot Boundary
 - Subject Site

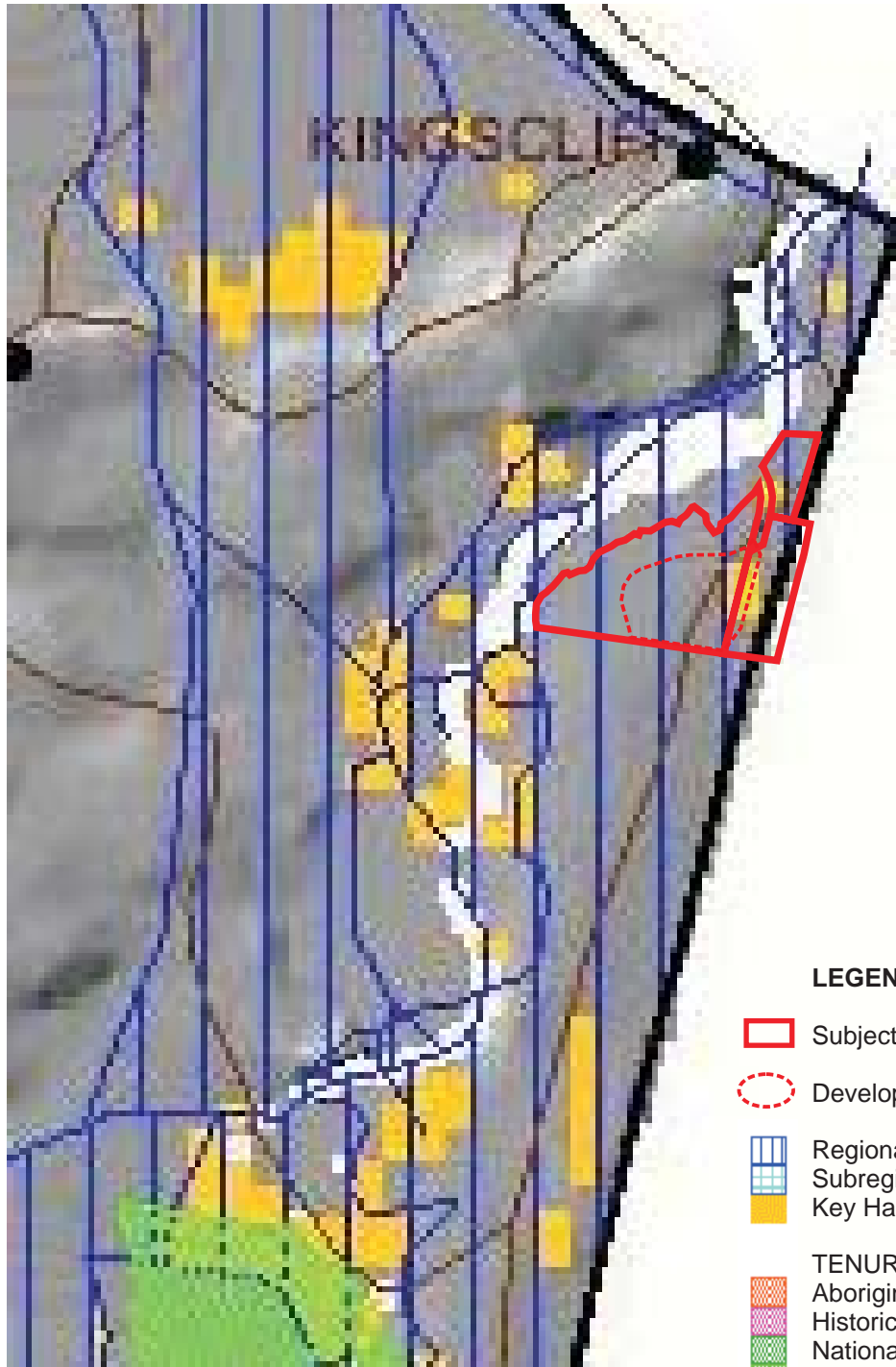


SOURCE: JWA Site Investigations; Leighton Properties (Ref: 4547-000.jpg); JMA Architects (Ref: MP-01-3 SITE PLAN(b).pdf Amended 18.03.10)
 SCALE: 1 : 3500 @ A3
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FIGURE 10
 PREPARED: BW
 DATE: 18 March 2010
 FILE: N06034_EA_Impacts.cdr

TITLE
IMPACT OF PROPOSED DEVELOPMENT



LEGEND

- Subject site
- Development footprint
- Regional Corridor
- Subregional Corridor
- Key Habitat

- TENURE**
- Aboriginal area
- Historical site
- National Park
- Nature Reserve
- Regional Park
- State Recreation Area
- State Forest

- OTHER**
- Towns
- Rivers
- Main Roads
- Minor Roads
- Study Area
- Wooded Vegetation



SOURCE: NSW National Parks & Wildlife Service Website Sept. 2006

SCALE: 1 : 25 000 @ A4

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FIGURE 11

PREPARED: VJA/BW
DATE: 15 December 2009
FILE: N06034_EA_Corridors.cdr

TITLE

**NSW
KEY HABITATS &
CORRIDORS**