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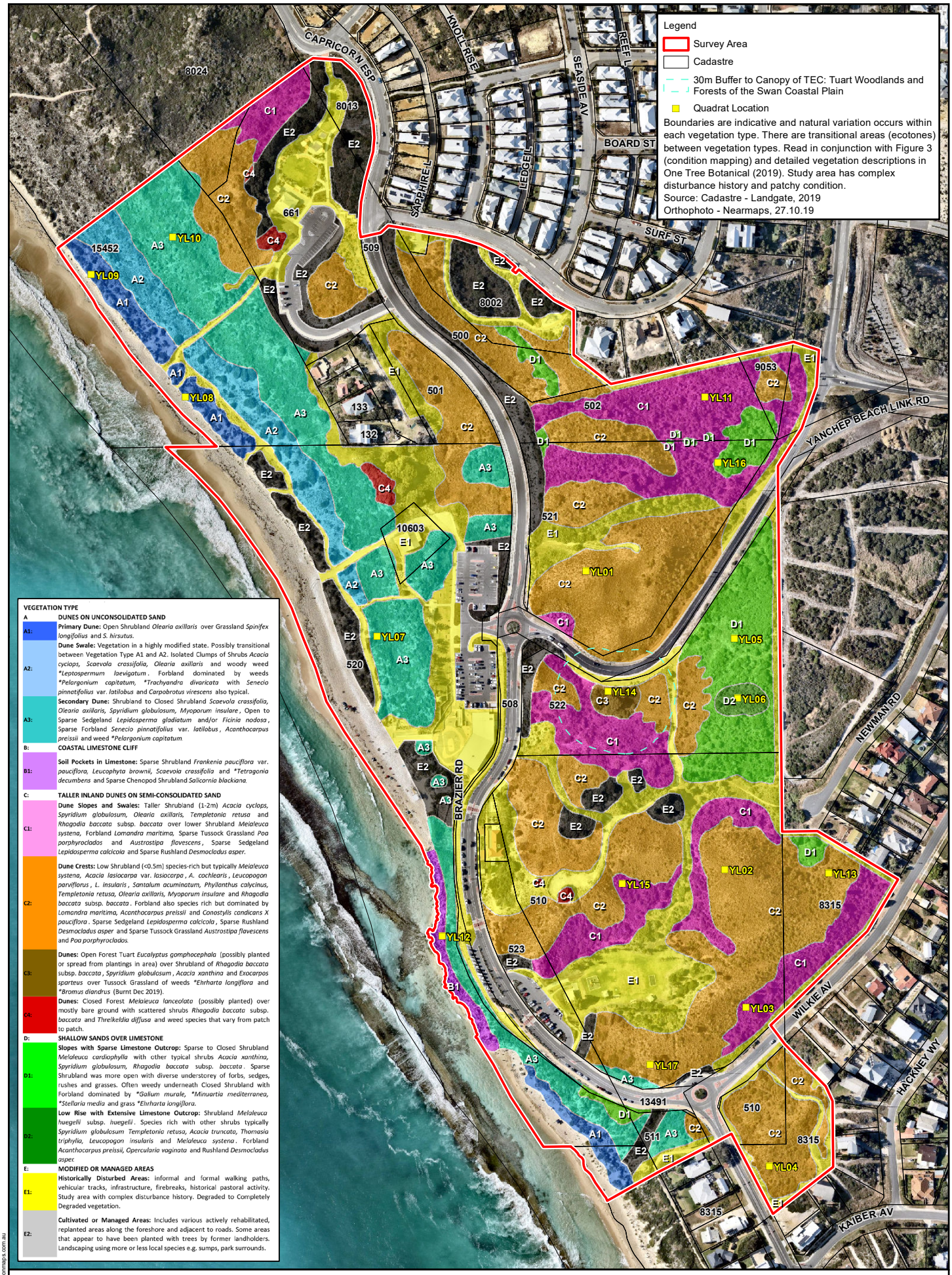

VEGETATION TYPE

A — DUNES ON UNCONSOLIDATED SAND

A1: **Primary Dune:** Open Shrubland *Olearia axillaris* over Grassland *Spinifex longifolius* and *S. hirsutus*.

A2: **Dune Swale:** Vegetation in a highly modified state. Possibly transitional between Vegetation Type A1 and A2. Isolated Clumps of Shrubs *Acacia cyclops, Scaevola crassifolia, Olearia axillaris* and woody weed **Leptospermum laevigatum*. Forbland dominated by weeds **Pelargonium capitatum, *Trachyandra divaricata* with *Senecio pinnatifolius* var. *latilobus* and *Carpobrotus virescens* also typical.

A3: **Secondary Dune:** Shrubland to Closed Shrubland *Scaevola crassifolia, Olearia axillaris, Spyridium globulosum, Myoporum insulare*, Open to Sparse Sedgeland *Lepidosperma gladiatum* and/or *Ficinia nodosa*, Sparse Forbland *Senecio pinnatifolius* var. *latilobus*, *Acanthocarpus preissii* and weed **Pelargonium capitatum*.

B: COASTAL LIMESTONE CLIFF

B1: **Soil Pockets in Limestone:** Sparse Shrubland *Frankenia pauciflora* var. *pauciflora, Leucophyta brownii, Scaevola crassifolia* and **Tetragonia decumbens* and Sparse Chenopod Shrubland *Salicornia blackiana*.

C: TALLER INLAND DUNES ON SEMI-CONSOLIDATED SAND

C1: **Dune Slopes and Swales:** Taller Shrubland (1-2m) *Acacia cyclops, Spyridium globulosum, Olearia axillaris, Templetonia retusa* and *Rhagodia baccata* subsp. *baccata* over lower Shrubland *Melaleuca systena*, Forbland *Lomandra maritima*, Sparse Tussock Grassland *Poa porphyroclados* and *Austrostipa flavescens*, Sparse Sedgeland *Lepidosperma calcicola* and Sparse Rushland *Desmocladus asper*.

C2: **Dune Crests:** Low Shrubland (<0.5m) species-rich but typically *Melaleuca systena, Acacia lasiocarpa* var. *lasiocarpa*, *A. cochlearis*, *Leucopogon parviflorus*, *L. insularis*, *Santalum acuminatum, Phyllanthus calycinus, Templetonia retusa, Olearia axillaris, Myoporum insulare* and *Rhagodia baccata* subsp. *baccata*. Forbland also species rich but dominated by *Lomandra maritima, Acanthocarpus preissii* and *Conostylis candicans X pauciflora*. Sparse Sedgeland *Lepidosperma calcicola*, Sparse Rushland *Desmocladus asper* and Sparse Tussock Grassland *Austrostipa flavescens* and *Poa porphyroclados*.

C3: **Dunes:** Open Forest Tuart *Eucalyptus gomphocephala* (possibly planted or spread from plantings in area) over Shrubland of *Rhagodia baccata* subsp. *baccata*, *Spyridium globulosum*, *Acacia xanthina* and *Exocarpos sparteus* over Tussock Grassland of weeds **Ehrharta longiflora* and **Bromus diandrus* (Burnt Dec 2019).

C4: **Dunes:** Closed Forest *Melaleuca lanceolata* (possibly planted) over mostly bare ground with scattered shrubs *Rhagodia baccata* subsp. *baccata* and *Threlkeldia diffusa* and weed species that vary from patch to patch.

D: SHALLOW SANDS OVER LIMESTONE

D1: **Slopes with Sparse Limestone Outcrop:** Sparse to Closed Shrubland *Melaleuca cardiophylla* with other typical shrubs *Acacia xanthina, Spyridium globulosum, Rhagodia baccata* subsp. *baccata*. Sparse Shrubland was more open with diverse understorey of forbs, sedges, rushes and grasses. Often weedy underneath Closed Shrubland with Forbland dominated by **Galium murale, *Minuartia mediterranea, *Stellaria media* and grass **Ehrharta longiflora*.

D2: **Low Rise with Extensive Limestone Outcrop:** Shrubland *Melaleuca huegelii* subsp. *huegelii*. Species rich with other shrubs typically *Spyridium globulosum Templetonia retusa, Acacia truncata, Thomasia triphylla, Leucopogon insularis* and *Melaleuca systena*. Forbland *Acanthocarpus preissii, Opercularia vaginata* and Rushland *Desmocladus asper*.

E: MODIFIED OR MANAGED AREAS

E1: **Historically Disturbed Areas:** informal and formal walking paths, vehicular tracks, infrastructure, firebreaks, historical pastoral activity. Study area with complex disturbance history. Degraded to Completely Degraded vegetation.

E2: **Cultivated or Managed Areas:** Includes various actively rehabilitated, replanted areas along the foreshore and adjacent to roads. Some areas that appear to have been planted with trees by former landholders. Landscaping using more or less local species e.g. sumps, park surrounds.

ONE TREE BOTANICAL

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Job: P1904 Yanchep
Date: 6/01/2020
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M: 0407 423 928

N

0 12.5 25 50 75 100 m

Scale: 1:3,000 @ A3
GDA 1994 MGA Zone 50

FIGURE 3

YANCHEP LAGOON, YANCHEP VEGETATION TYPE MAP

ENVIRONMAPS | t: 0406 590 006 | Environmental Mapping Solutions | www.environmaps.com.au

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