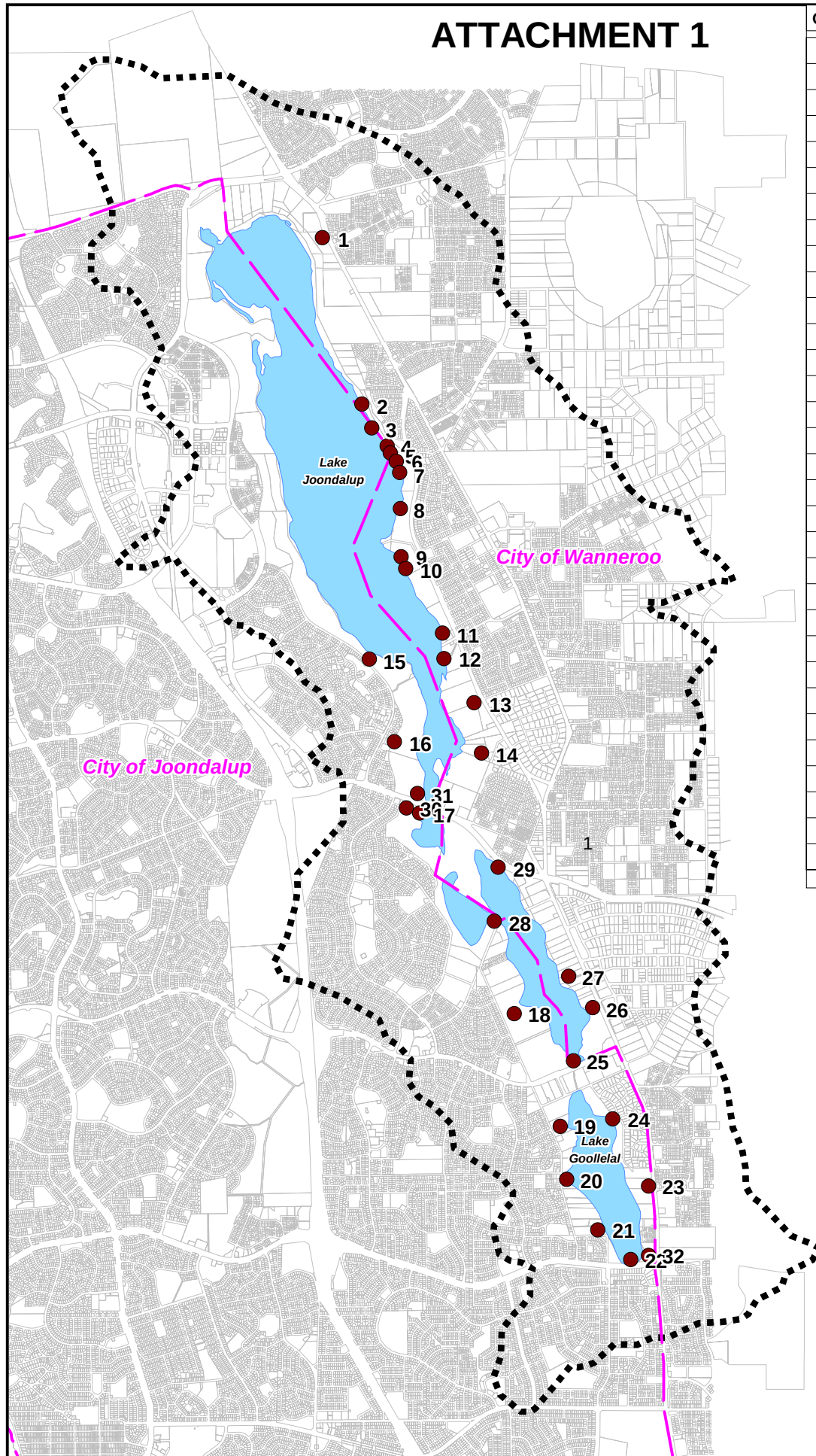


ATTACHMENT 1



Outfall_No	Description
1	Sump (COW)
2	Bubble up (COW)
3	Bubble up (COW)
4	Piped (COW)
5	Piped (COW)
6	Piped (COW)
7	Piped (COW)
8	Piped (COW)
9	Piped (COW)
10	Piped (COW)
11	Piped (COW)
12	Piped (COW)
13	Sump (COW)
14	Sump (COW)
15	Sump (COJ)
16	Sump (COJ)
17	Piped (COJ)
18	Piped (COJ)
19	Piped (COJ)
20	Bubble up (COJ)
21	Bubble up (COJ)
22	Piped (COJ/WaterCorp)
23	Sump (COJ/COW/MRWA)
24	Piped (COJ)
25	Piped (COJ)
26	Piped (COW)
27	Sump (COW)
28	Sump (COW)
29	Sump (COW)
30	Sump (COJ)
31	Sump (COJ)
32	Sump (COJ/COW)

Outfall Location

● Outfall/Sump

Municipal Boundary

— Boundary

Yellagonga Catchment

--- Boundary



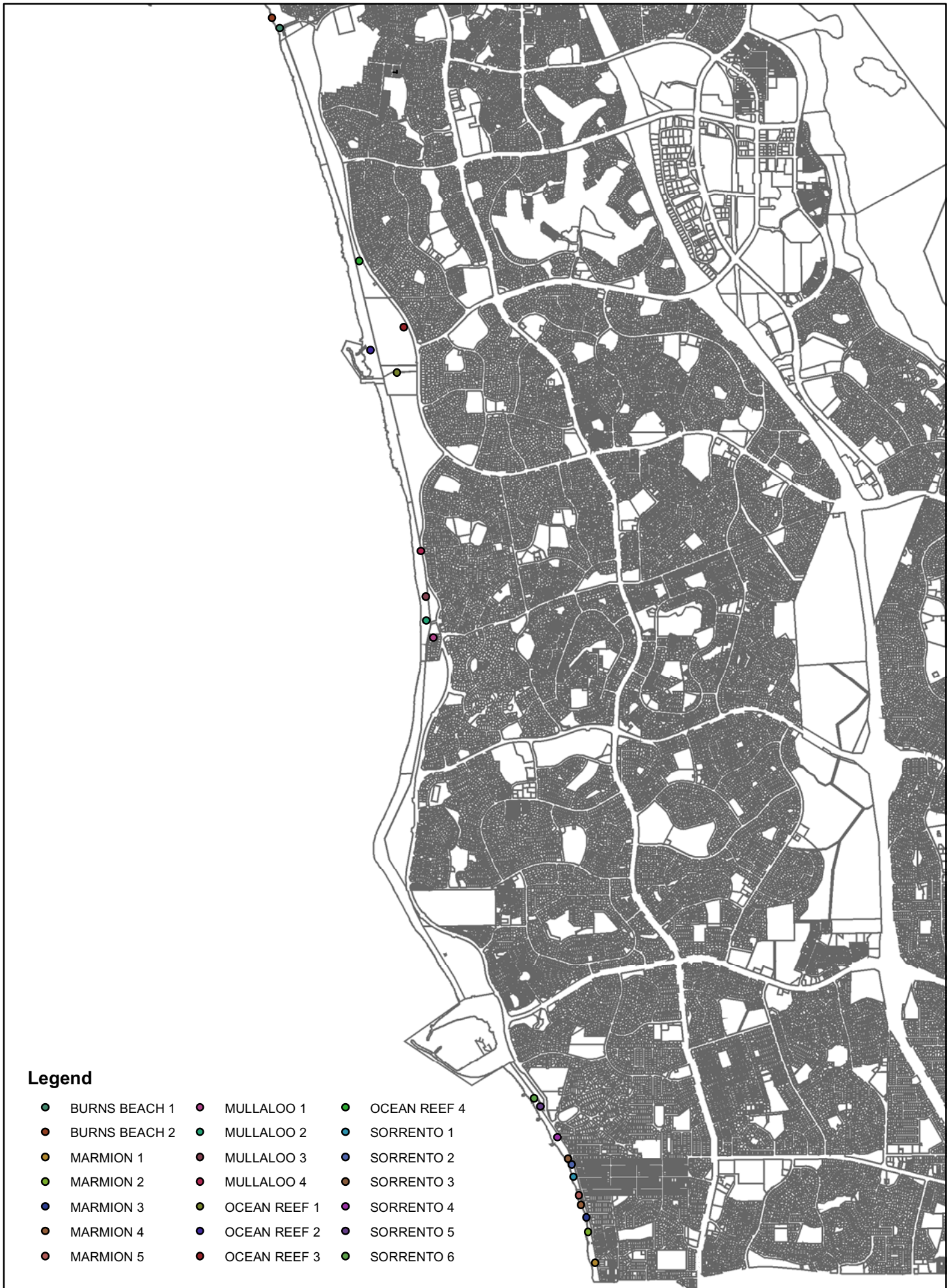
90 Boas Ave, Joondalup WA 6027
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Ph: 08 9400 4000
Fax: 08 9300 1383
info@joondalup.wa.gov.au
www.joondalup.wa.gov.au

N

1 0 1 2 3
Kilometers

Scale (A4): 1 : 60000 Date: 14/08/2008 Compiled: D. France
File: Yellagonga Regional Park Stormwater Drainage Outfalls complete A4.wor
Folder: \\Spatial_Data_Server\\GIS Projects\\Yellagonga\\
DISCLAIMER: While every care is taken to ensure the accuracy of this data, the City of Joondalup makes no representations or warranties about its accuracy, completeness or suitability for any particular purpose and disclaims all liability for all expenses, losses, damages, and costs which you might incur as a result of the data being inaccurate or incomplete in any way and for any reason.

Stormwater Drainage Outfall Locations Yellagonga Regional Park



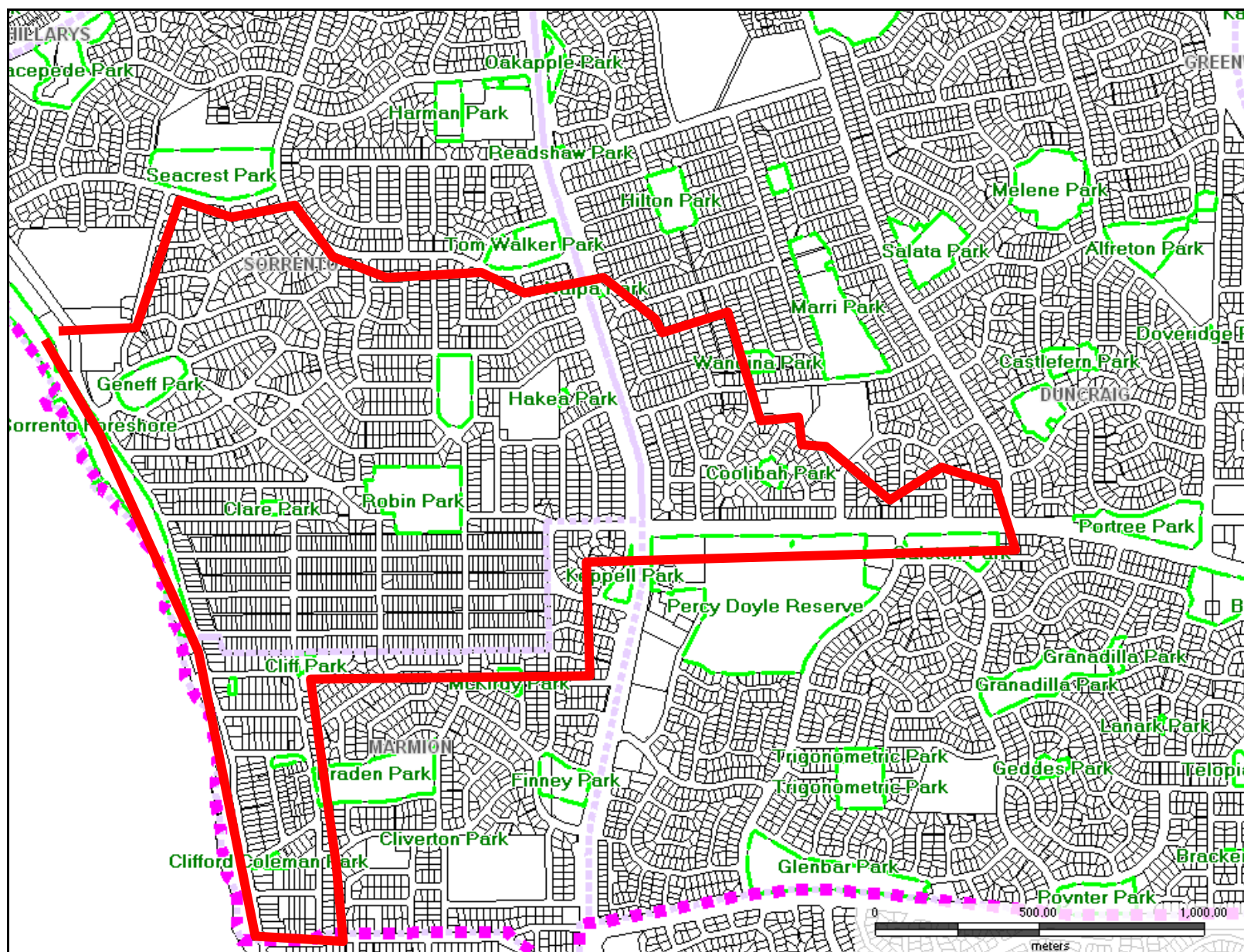
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Meters

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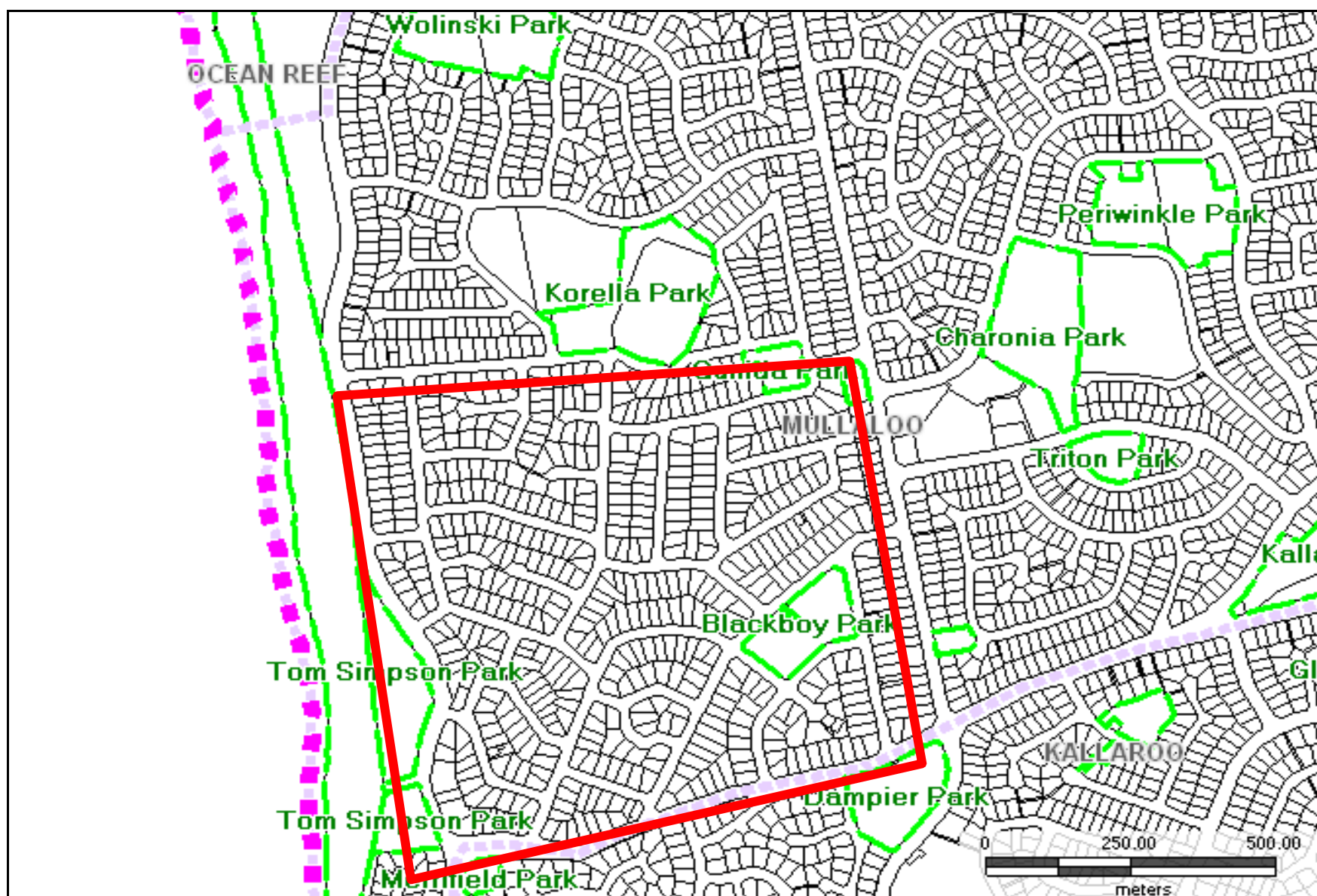
COASTAL DRAINAGE OUTFALLS
CITY OF JOONDALUP

CITY OF JOONDALUP STORMWATER DRAINAGE BEACH AREAS DISCHARGE

OUTFALL	<u>STUDY ID</u>	<u>LOCATION</u>	<u>TYPE OF DISCHARGE</u>	<u>LOCATION OF DISCHARGE</u>	<u>COMMENT</u>
MARMION 1		Between Troy Av and Lennard St	Open Pipe	Scenario 2 - Dune discharge	Flows thru to beach and ocean
MARMION 2		Between Troy Av and Ozone Rd	Open Pipe	Scenario 2 - Dune discharge	Soaks thru dunal system to groundwater
MARMION 3		Between Ozone Rd and Bettles St	Open Pipe	Scenario 2 - Dune discharge	Flows thru dunes to beach
MARMION 4	NST01(JND05)	MAAC Southern Discharge	Open Pipe	Scenario 3 - Beach discharge	Flows thru beach to ocean
MARMION 5		MAAC Northern Discharge	Open Pipe	Scenario 2 - Dune discharge	Overgrown - soaks to groundwater
SORRENTO 1	NST03(JND04)	High St/WCD intersection	Open Pipe	Scenario 3 - Beach discharge	On edge of beach and dunes - to ocean
SORRENTO 2		Clontarf St/WCD intersection	Open Pipe	Scenario 2 - Dune discharge	Soaks into groundwater
SORRENTO 3	NST04(JND03)	Ross Av/WCD intersection	Open Pipe	Scenario 2 - Dune discharge	Flows thru beach to ocean
SORRENTO 4	NST05(JND02)	Raleigh Rd/WCD intersection	Open Pipe	Scenario 2 - Dune discharge	Flows thru dunes to beach & ocean
SORRENTO 5		Sorrento Surf Club Southern soak	Soakwell	Scenario 1 - Soak to G/water	In beach
SORRENTO 6		Sorrento Surf Club Northern discharge	Open Pipe	Scenario 2 - Dune discharge	Flows to beach and ocean
MULLALOO 1		Merrifield PI soak	Soakwell	Scenario 1 - Soak to G/water	In residential area
MULLALOO 2		Mullaroo Surf Club car park	Soakwell	Scenario 1 - Soak to G/water	In Dunes
MULLALOO 3		Tom Simpson Park Carpark	Sump	Scenario 1 - Soak to G/water	In Dunes
MULLALOO 4		Korella St/Oceanside Prom intersection	Open Pipe	Scenario 1 - Soak to G/water	Swail in dunes
OCEAN REEF 1		Boat Harbour entry road	Open Pipe	Scenario 1 - Soak to G/water	In Dunes
OCEAN REEF 2		Boat Harbour car park sump	Sump	Scenario 1 - Soak to G/water	In Dunes
OCEAN REEF 3		Ocean Reef Road North of Hodges Dr	Sump	Scenario 1 - Soak to G/water	In Dunes
OCEAN REEF 4		Ocean Reef Road North of Resolute Way	Open Pipe	Scenario 1 - Soak to G/water	In Dunes
BURNS BEACH 1	JND01b	Southern car park	Open Pipe	Scenario 2 - Dune discharge	Flows thru dunes
BURNS BEACH 2	JND01a	Groyne	Bubble up gully	Scenario 3 - Beach discharge	Flow to ocean



Attachment 4: Septic Tanks - Sorrento and Marmion



Attachment 5: Septic Tanks- Mullaloo