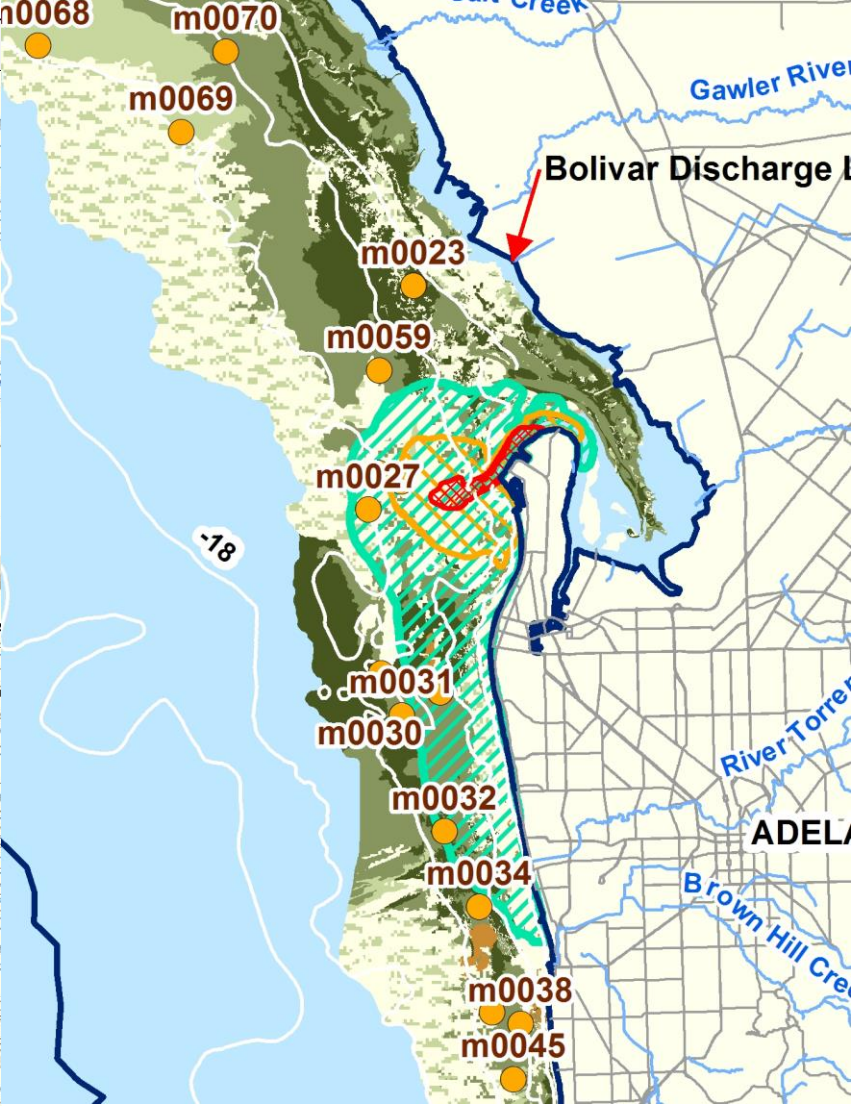
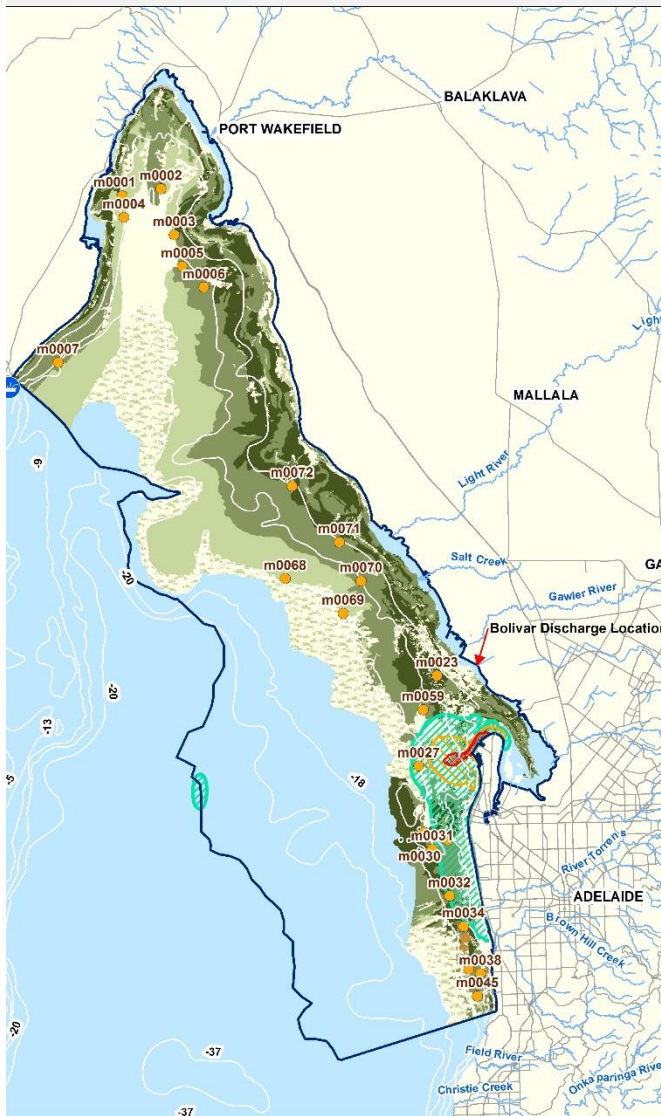


Impact Areas in Adelaide Metro and Clinton



Original proposal - WINTER 6 months

WINTER – HECTARES OF SEAGRASS IMPACT

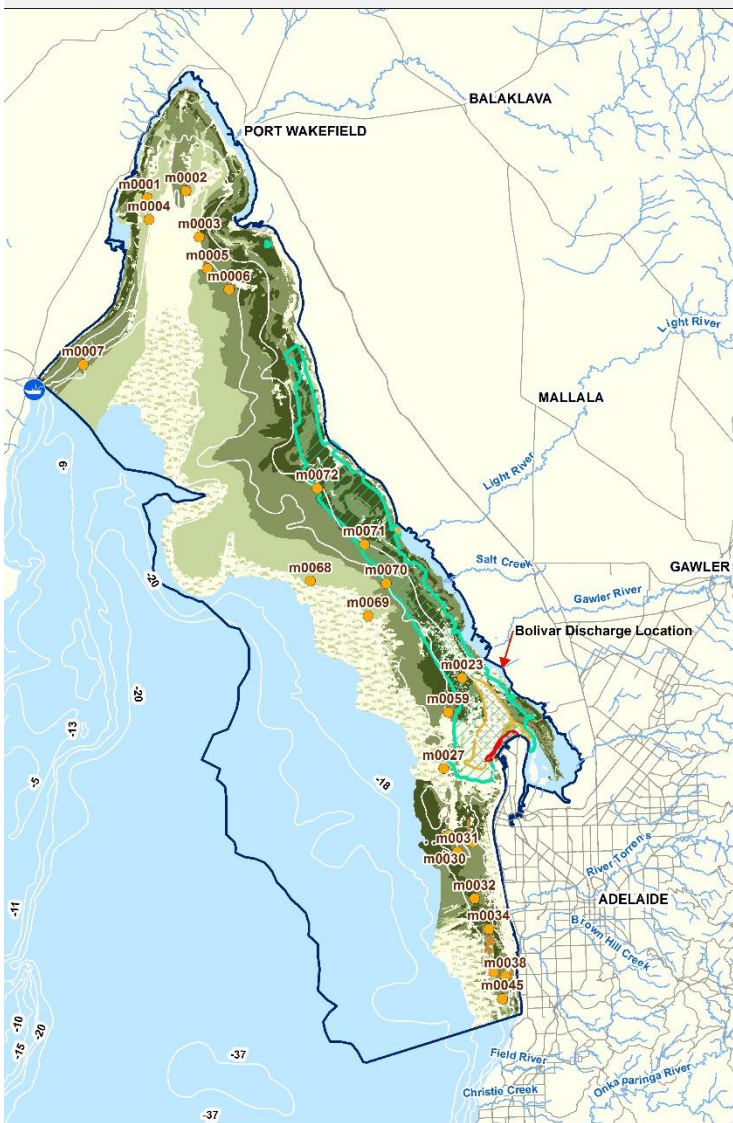
Habitat description	High Impact	Medium Impact	Influence
Seagrass - Continuous, Dense	1.3	38.3	1296.4
Seagrass - Continuous, Medium	8.2	136.3	2519.2
Seagrass - Continuous, Sparse	34.5	66.5	116.2
Seagrass - Patchy, Dense	0.0	6.5	297.7
Seagrass - Patchy, Medium	6.4	567.4	1965.4
Seagrass - Patchy, Sparse	8.8	68.0	1331.1
Grand Total	59.2	883.1	7525.9



Method is inherently dirtier and will result in frequent stop work due to exceedance of turbidity triggers

= extend expected period of work into summer

Impact Areas in Adelaide Metro and Clinton



Original proposal - SUMMER 6 months

SUMMER – HECTARES OF SEAGRASS IMPACT

Habitat description	High Impact	Medium Impact	Influence
Seagrass - Continuous, Dense	13.3	281.3	7678.0
Seagrass - Continuous, Medium	18.2	467.3	6038.7
Seagrass - Continuous, Sparse	12.4	68.2	231.5
Seagrass - Patchy, Dense	0.0	81.7	1010.3
Seagrass - Patchy, Medium	14.4	474.6	2189.8
Seagrass - Patchy, Sparse	9.4	142.9	951.5
Grand Total	67.8	1516.0	18099.8

Relies heavily on accurate triggers and compliance with triggers

Setting stricter triggers during summer will mean either increase burden on compliance and frequent stop work

**Dredge Method – Winter
Influence Zone**



● Sample Sites
 Roads
 Influence Zone

0 2.5 5
 kms

GIS17_0080_dredgemodelling_zones



**Alternative proposal – WINTER
No side casting CSD
8 months**

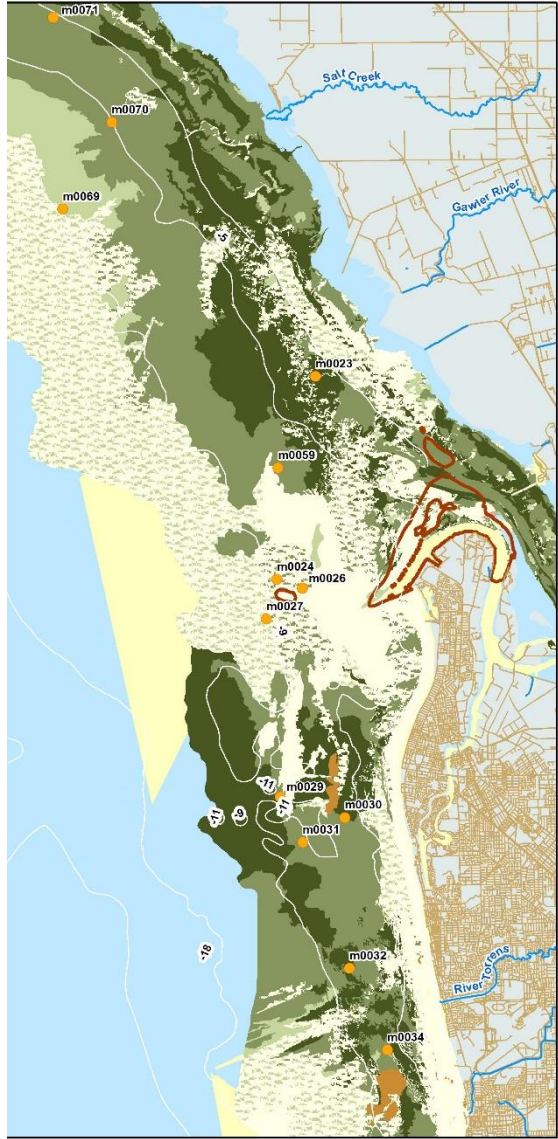
Relies heavily on accurate triggers and compliance with triggers

Areas of loss are dominated by Heterozostera seagrass which will recover

WINTER – HECTARES OF SEAGRASS IMPACT

Habitat description	High Impact	Low to Moderate	Influence
Seagrass - Continuous, Dense	27.9	26.3	75.7
Seagrass - Continuous, Medium	32.7	48.8	182.2
Seagrass - Continuous, Sparse	2.7	7.7	79.3
Seagrass - Patchy, Dense			20.5
Seagrass - Patchy, Medium	41.3	36.7	696.0
Seagrass - Patchy, Sparse	15.6	11.0	437.4
Grand Total	120.1	130.5	1491.0

Alternative Dredge Method – Summer
Influence Zone



Alternative proposal – SUMMER

No side casting CSD

8 months

Relies heavily on accurate triggers and compliance with triggers

Areas of loss are dominated by Heterozostera seagrass which will recover

Method “cleaner” and therefore less likely to be stopping work

WINTER – HECTARES OF SEAGRASS IMPACT

Habitat description	High Impact	Moderate Impact	Influence
Seagrass - Continuous, Dense	21.0	35.7	90.1
Seagrass - Continuous, Medium	31.1	75.9	202.4
Seagrass - Continuous, Sparse	2.3	6.3	15.2
Seagrass - Patchy, Dense		1.5	6.5
Seagrass - Patchy, Medium	22.8	36.9	34.3
Seagrass - Patchy, Sparse	9.7	11.4	12.7
Grand Total	86.9	167.7	361.2