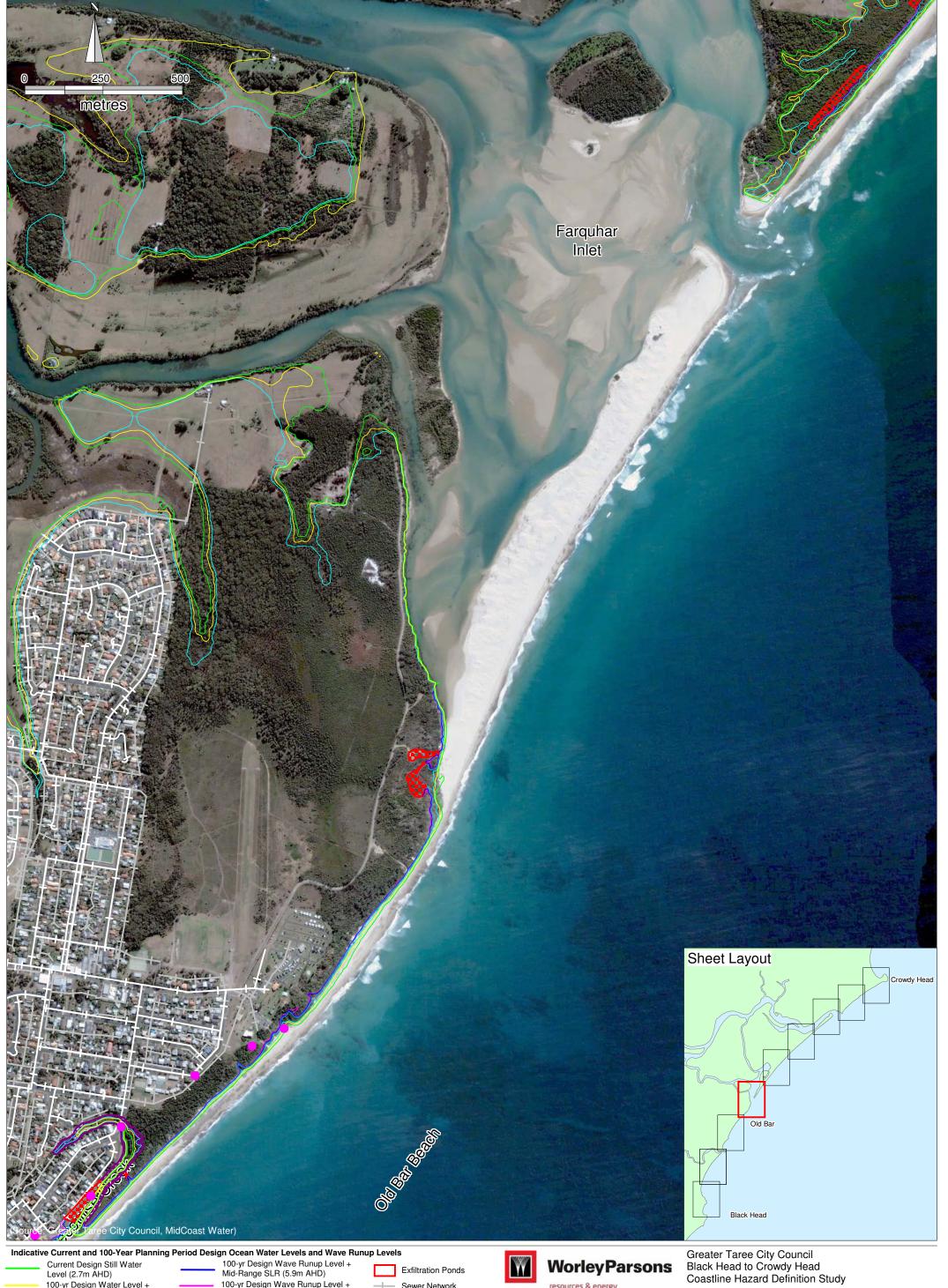




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100-yr Design Water Level + Mid-Range SLR (3.3m AHD)

100-yr Design Water Level + High-Range SLR (3.6m AHD) Current Design Wave Runup Level (5.3m AHD)

100-yr Design Wave Runup Level + High-Range SLR (6.2m AHD) Potential overtopping due to wave runup Potential minor inundation

due to wave action



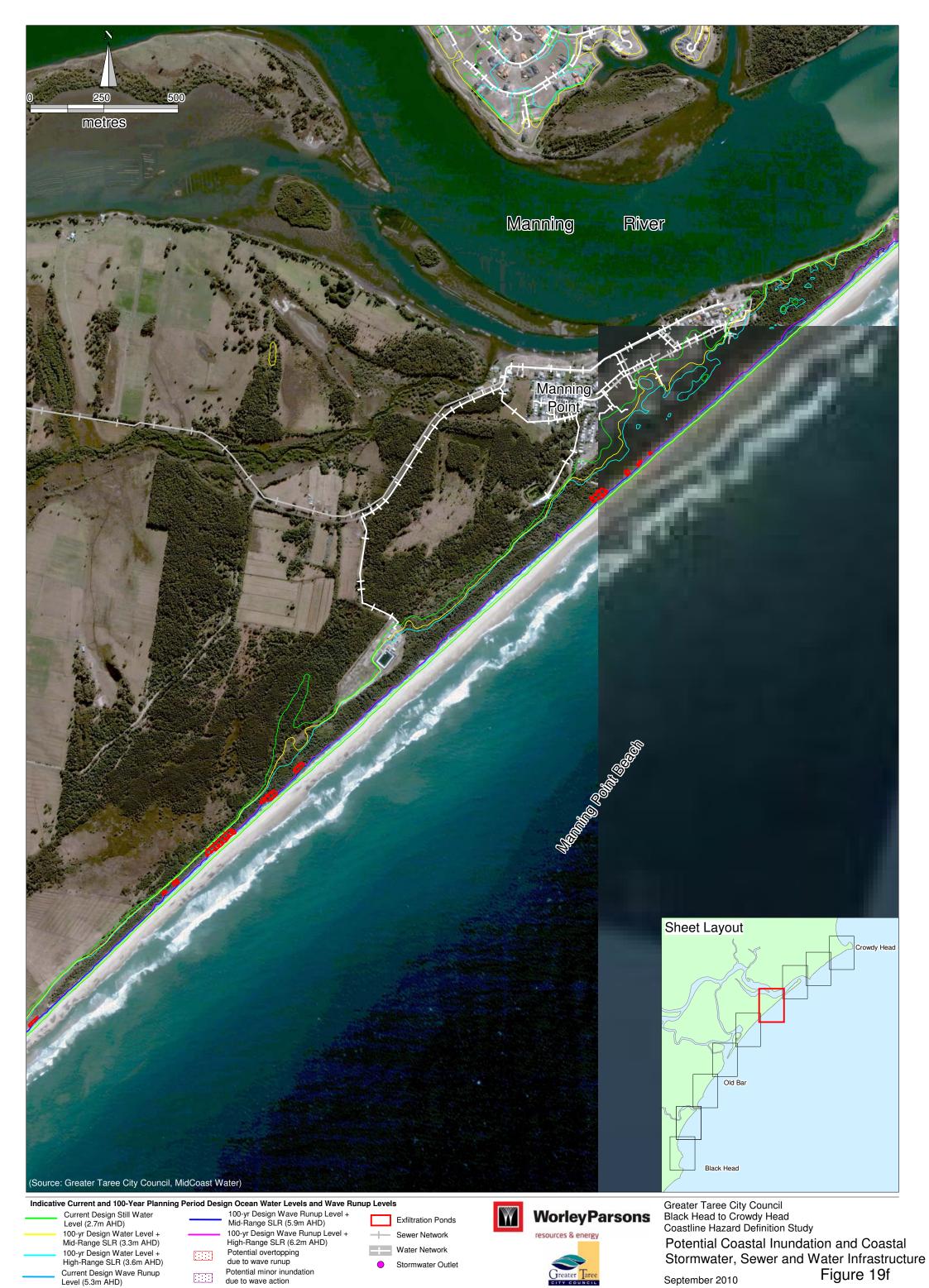


Potential Coastal Inundation and Coastal Stormwater, Sewer and Water Infrastructure Figure 19d

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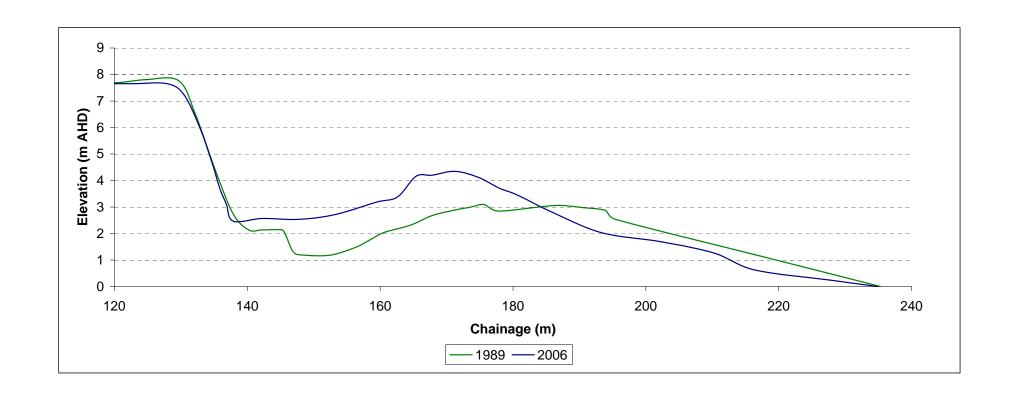
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OLD BAR HAZARD DEFINITION STUDY
Photogrammetry Profiles for Profile 22, Block 5
Showing Growth and Stabilization of Dunes Adjacent
to Gabion Structure at Racecourse Creek

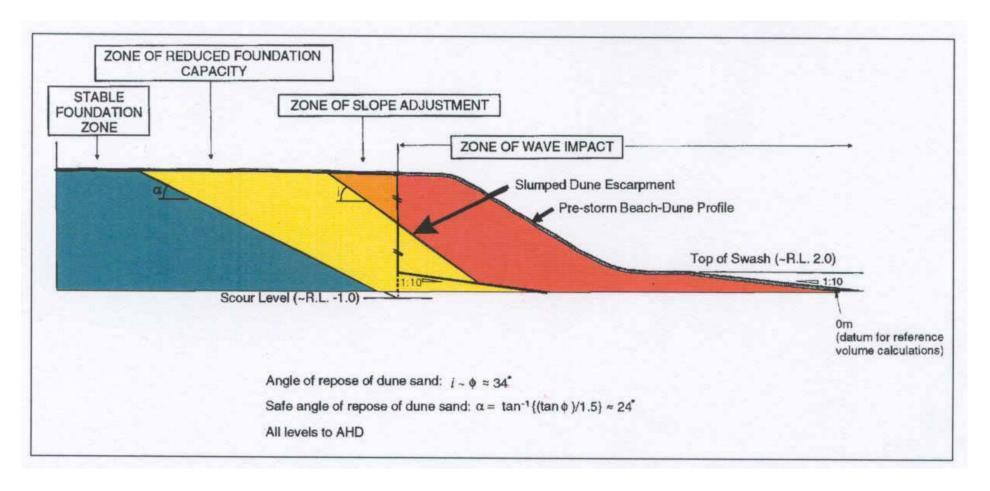


Figure 21. Schematic representation of coastline hazard zones (after Nielsen et al, 1992)





2058 Mid-Range Hazard Line 2058 Mid-Range Hazard Line

2108 Mid-Range Hazard Line



Greater Taree City Council Black Head to Crowdy Head Coastline Hazard Definition Study

Immediate, 2058 and 2108 Hazard Lines

September 2010

Figure 22a





Immediate Hazard Line (2008 Baseline) 2058 Mid-Range Hazard Line 2058 Mid-Range Hazard Line

2108 Mid-Range Hazard Line

2108 High-Range Hazard Line



Greater Taree City Council Black Head to Crowdy Head Coastline Hazard Definition Study

Immediate, 2058 and 2108 Hazard Lines

Figure 22c September 2010



Immediate Hazard Line (2008 Baseline) 2058 Mid-Range Hazard Line 2058 Mid-Range Hazard Line

2108 Mid-Range Hazard Line

2108 High-Range Hazard Line



Greater Taree City Council Black Head to Crowdy Head Coastline Hazard Definition Study

Immediate, 2058 and 2108 Hazard Lines

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Figure 22d



Immediate Hazard Line (2008 Baseline) 2058 Mid-Range Hazard Line 2058 Mid-Range Hazard Line

2108 Mid-Range Hazard Line

2108 High-Range Hazard Line

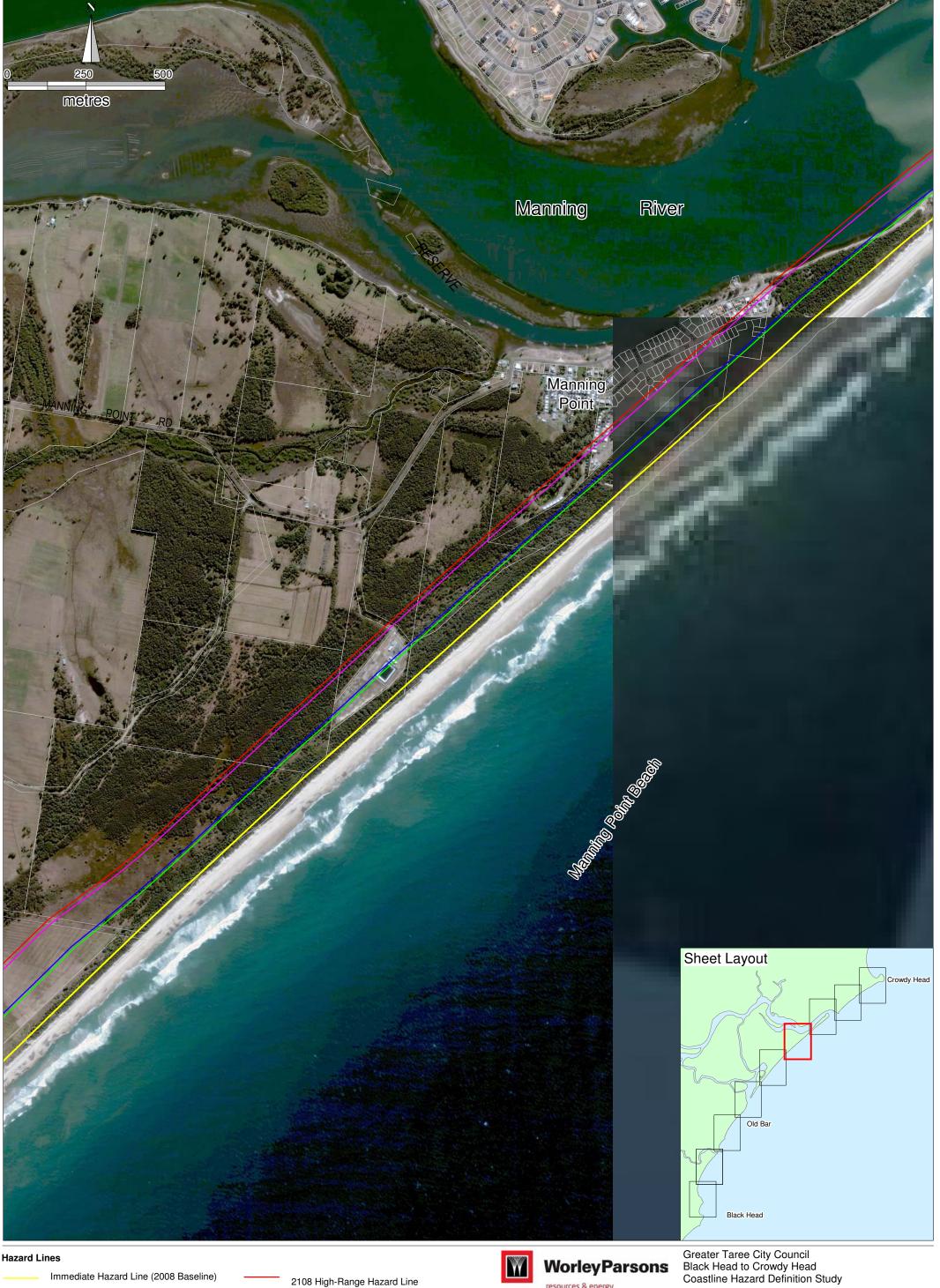


Greater Taree City Council Black Head to Crowdy Head Coastline Hazard Definition Study

Immediate, 2058 and 2108 Hazard Lines

September 2010

Figure 22e



Immediate Hazard Line (2008 Baseline) 2058 Mid-Range Hazard Line

2058 Mid-Range Hazard Line 2108 Mid-Range Hazard Line 2108 High-Range Hazard Line





Immediate, 2058 and 2108 Hazard Lines

Figure 22f September 2010

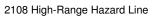




Immediate Hazard Line (2008 Baseline)

2058 Mid-Range Hazard Line

2058 Mid-Range Hazard Line 2108 Mid-Range Hazard Line





**WorleyParsons** 

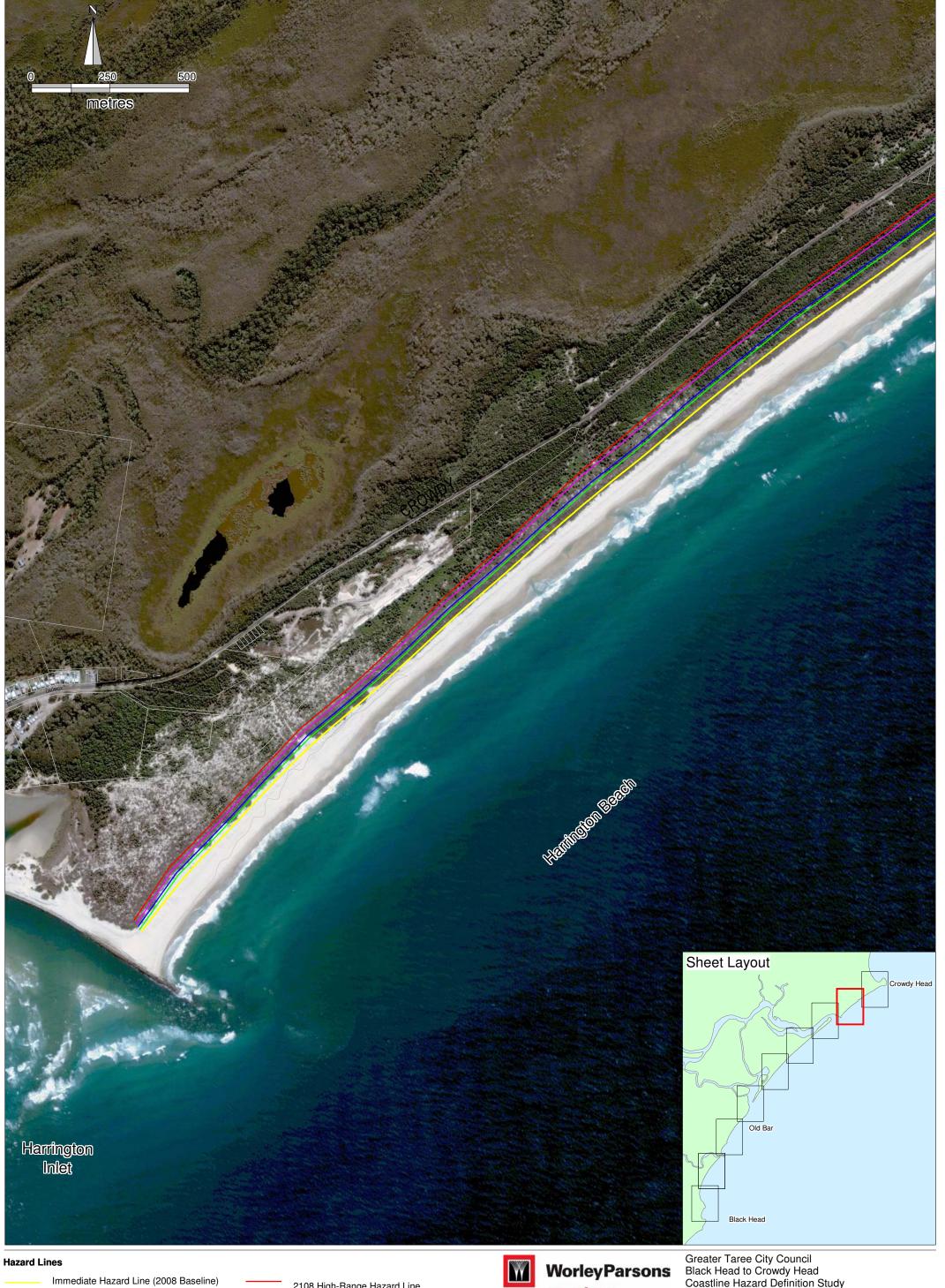


Greater Taree City Council Black Head to Crowdy Head Coastline Hazard Definition Study

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Immediate, 2058 and 2108 Hazard Lines

Figure 22g



2058 Mid-Range Hazard Line 2058 Mid-Range Hazard Line

2108 Mid-Range Hazard Line

2108 High-Range Hazard Line



Greater Taree City Council Black Head to Crowdy Head Coastline Hazard Definition Study

Immediate, 2058 and 2108 Hazard Lines

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Figure 22h





Immediate Hazard Line (2008 Baseline) 2058 Mid-Range Hazard Line

2058 Mid-Range Hazard Line 2108 Mid-Range Hazard Line 2108 High-Range Hazard Line



**WorleyParsons** 



Greater Taree City Council Black Head to Crowdy Head Coastline Hazard Definition Study

Immediate, 2058 and 2108 Hazard Lines

September 2010

Figure 22i