

B. W. SAYE & ASSOCIATES PTY LTD

Surveying & Civil Design Services

Brian Saye B. App. Sci M.ISA, M.SSSI.

101 Main St

Woolli N.S.W. 2460

ABN: 29 107 216 339

ACN: 107 216 339

Mob 0427 425744

Email: bsaye@bigpond.net.au

Date: 9-01-12

Ref: 11001

Swell Event Photos 24-11-12 to 26-11-12



Braithwaite Lane Beach Access – Looking North
Saturday, 24 December 2011, 8:16:50 AM
(High Tide 8:15am)
Waves rarely breaching foredune crest



Braithwaite Lane Beach Access – Looking South
Saturday, 24 December 2011, 8:15:12 AM
(High Tide 8:15am)



Braithwaite Lane Beach Access – Looking South
Sunday, 25 December 2011, 9:48:06 AM
(High Tide 9:05am)

Evidence of waves regularly breaching foredune crest and reaching toe of terrace



50m North of Cenotaph –Looking South
Sunday, 25 December 2011, 9:56:42 AM
(High Tide 9:05am)

Evidence of waves regularly breaching foredune crest and reaching toe of terrace.



Opposite School – Looking NorthWest
Sunday, 25 December 2011, 10:14:12 AM
(High Tide 9:05am)

Evidence of waves regularly breaching foredune crest and reaching toe of terrace



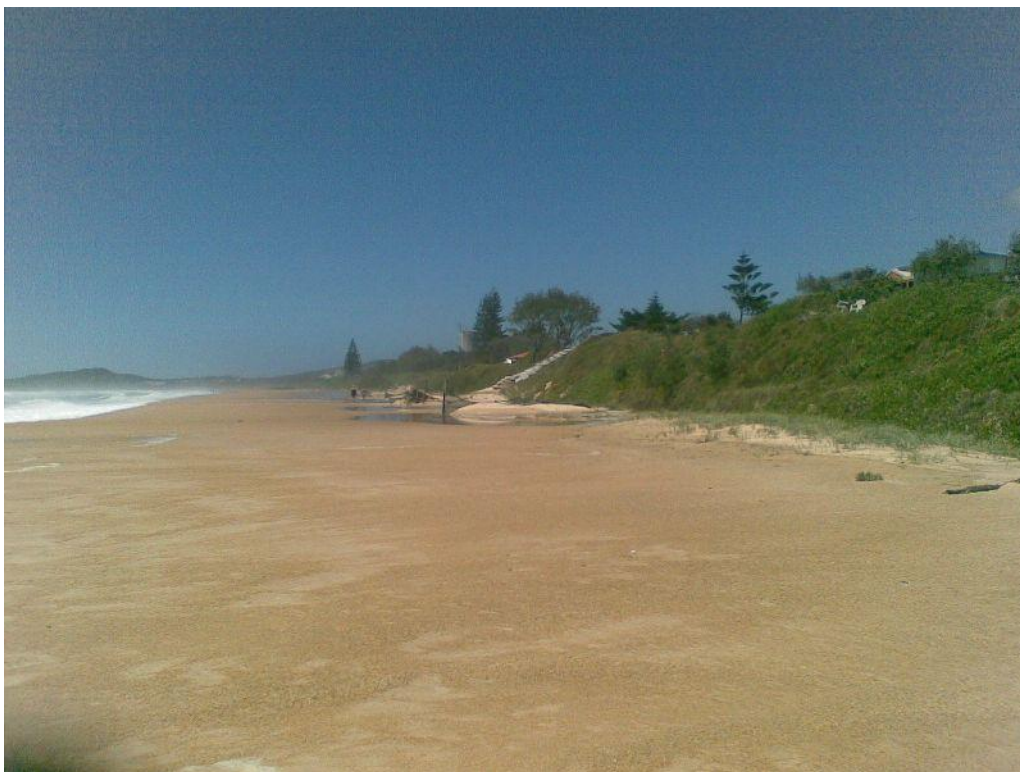
Opposite School – Looking SouthWest
Sunday, 25 December 2011, 10:06:06 AM
(High Tide 9:05am)

Evidence of waves regularly breaching foredune crest and reaching toe of terrace

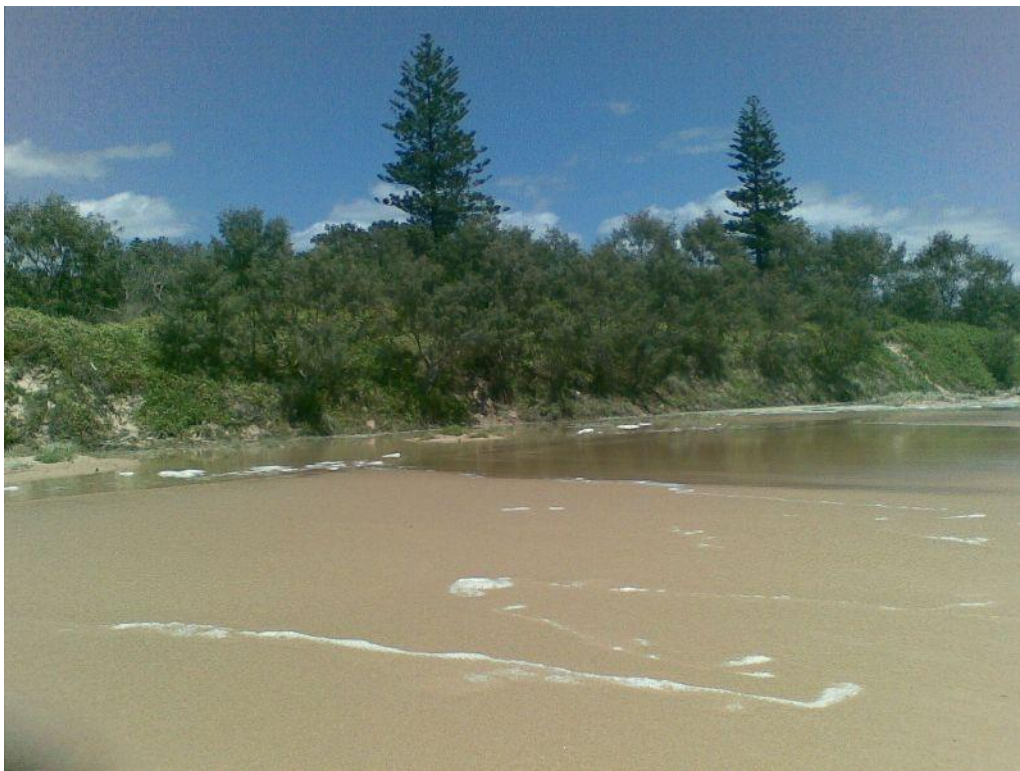


Braithwaite Lane Beach Access – Looking South
Monday, 26 December 2011, 11:21:50 AM
(High Tide 9:53am)

Evidence of waves splashing up terrace



Okeefe Lane – Looking South
Monday, 26 December 2011, 11:29:16 AM
(High Tide 9:53am)
North end of ponding against toe of terrace

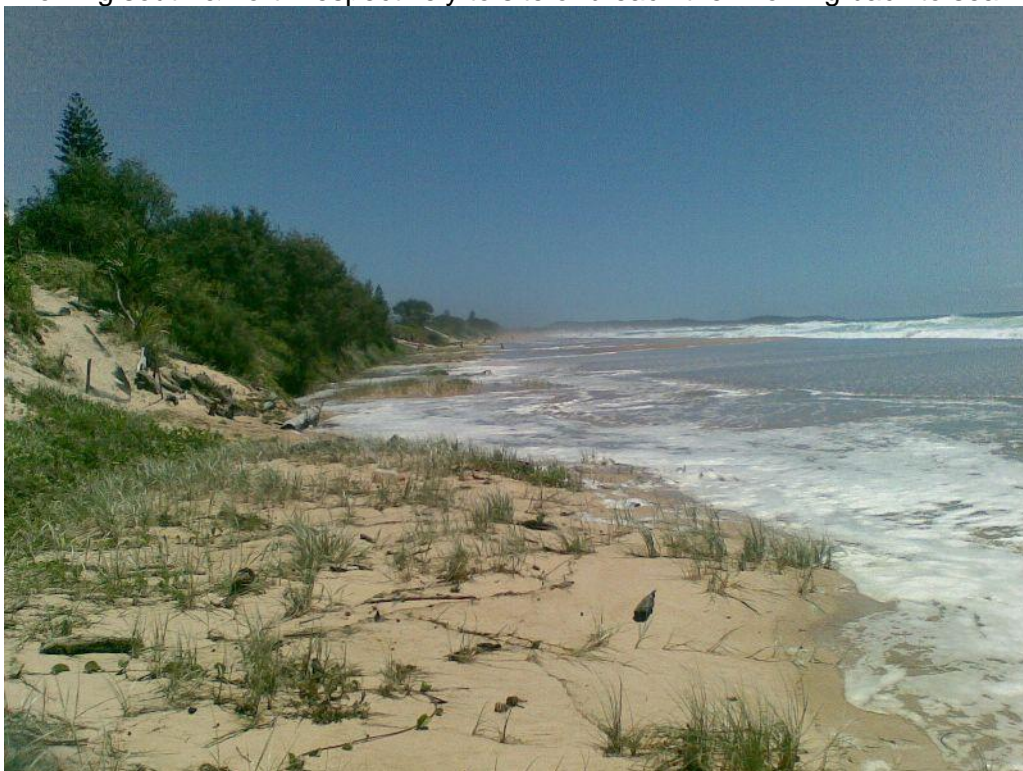


South of School – looking NorthWest
Monday, 26 December 2011, 11:36:02 AM
(High Tide 9:53am)
Extensive ponding at toe of terrace – water starting to flow south along toe



South of School – looking South toward breach in fordune crest
Monday, 26 December 2011, 11:36:54 AM
(High Tide 9:53am)

Waves overtopping fordune crest north & south of breach, ponding against toe of terrace and flowing south & north respectively to site of breach then flowing back to sea.



At breach site looking north at ponding
Monday, 26 December 2011, 11:37:42 AM
(High Tide 9:53am)

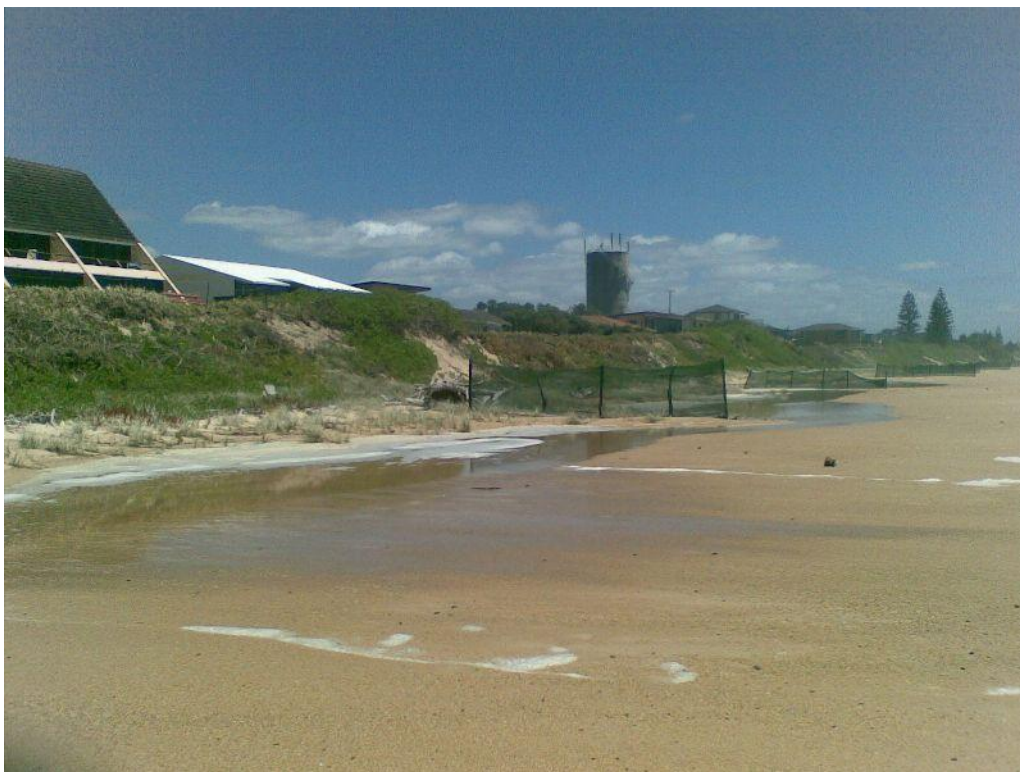
North – south flow creates channel about 200mm deep along toe of terrace
Spinifex mounds keep channelling away from toe of terrace.



At breach site looking out to sea along breach line
Monday, 26 December 2011, 11:37:50 AM
(High Tide 9:53am)
North & south flowing channels meet scouring out breach.



Looking south at foredune breach profile
Monday, 26 December 2011, 11:36:48 AM
(High Tide 9:53am)



Opposite 26 South Terrace – Looking North
Monday, 26 December 2011, 11:44:58 AM
(High Tide 9:53am)
Southern end of Ponding Area