

Impact-Based Forecasting: WAVE (up to 15nm)



Minimal	Minor	Significant	Severe
Incident handled by	Number of resources used to	Provincial and local	Local, provincial and
individually	stabilize incident	authorities involved, JOC	national government
(no DM support		activated	involved
required)			
 General disruption within ports and harbour but manageable internally Localised difficulty in navigation (eg. Hampered progress due to short period, steep waves) Instances of spray and large waves affecting coastal routes, sea fronts and coastal communities Coastal routes, sea fronts and coastal communities affected by spray and/or large waves 	 Localised damage to coastal infrastructure (e.g. walkways, pipelines, property, road and rail routes) Localised damage to/extensive modification of beaches, dunes and estuaries Localised disruption of small harbours and/or a port for a short period of time Small vessels at risk of taking on water and capsizing in a locality Difficulty in navigation (eg. Small vessels in short period, steep waves) Localised disruptions to beachfront activities (e.g. closure of beaches for swimming, shore/rock angling) 	 Damage to coastal infrastructure (e.g. walkways, pipelines, property, road and rail routes) along longer stretches of coastline or in multiple localities Damage to/extensive modification of beaches, dunes and estuaries Disruption of small harbours and/or a port(s) Risk to medium/large vessels of dragging anchor/breaking mooring lines Medium to large vessels break moorings (in harbour) Disruptions to beachfront activities along longer stretches of coastlines and/or in multiple municipalities (e.g. closure of beaches for swimming, shore/rock angling) Danger to life from large waves/beach material being thrown onto coastal routes, sea fronts and coastal communities 	 Widespread damage to coastal infrastructure (e.g. walkways, pipelines, property road and rail routes) along longer stretches of coastline or in multiple localities Widespread damage to/extensive modification of beaches, dunes and estuaries Closure of ports and small harbours Risk to larger vessels of dragging anchor/breaking mooring lines and/or capsizing (at sea) Danger to life from large waves/beach material being thrown onto coastal routes, sea fronts and coastal communities

Notes:

Dragging anchor: 6m swells and worsened when swell direction is perpendicular to wind direction

Document: Impact tables: Marine and Coastal

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