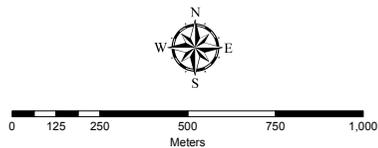


WARNING: THIS MAP REFERS TO THE NEWCASTLE CITY CENTRE AREA ONLY EXTENSIVE MINE WORKINGS EXIST WITHIN AND BEYOND THIS AREA

# NEWCASTLE CITY CENTRE AREA SUBSIDENCE ADVISORY GUIDELINES

REVISION DATE  
8 July 2017



Disclaimer  
This plan has been compiled for use by Subsidence Advisory NSW from official records held by the Department of Planning and Environment, Resources & Geosciences; surface data supplied by the Department of Finance & Services, Spatial Services and information from mine owners. Therefore no warranty is expressed or can be implied to any other person as to the accuracy of the map or that it is free from any error or omission. Accordingly the State of New South Wales, Subsidence Advisory NSW and their servants and agents expressly disclaim any liability whatsoever for the consequences arising from any act done or omission made in reliance by others on the information contained in this plan.

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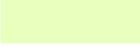
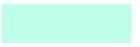
Please refer to the Full Map Disclaimer displayed on the SA NSW Website when accessing these maps.

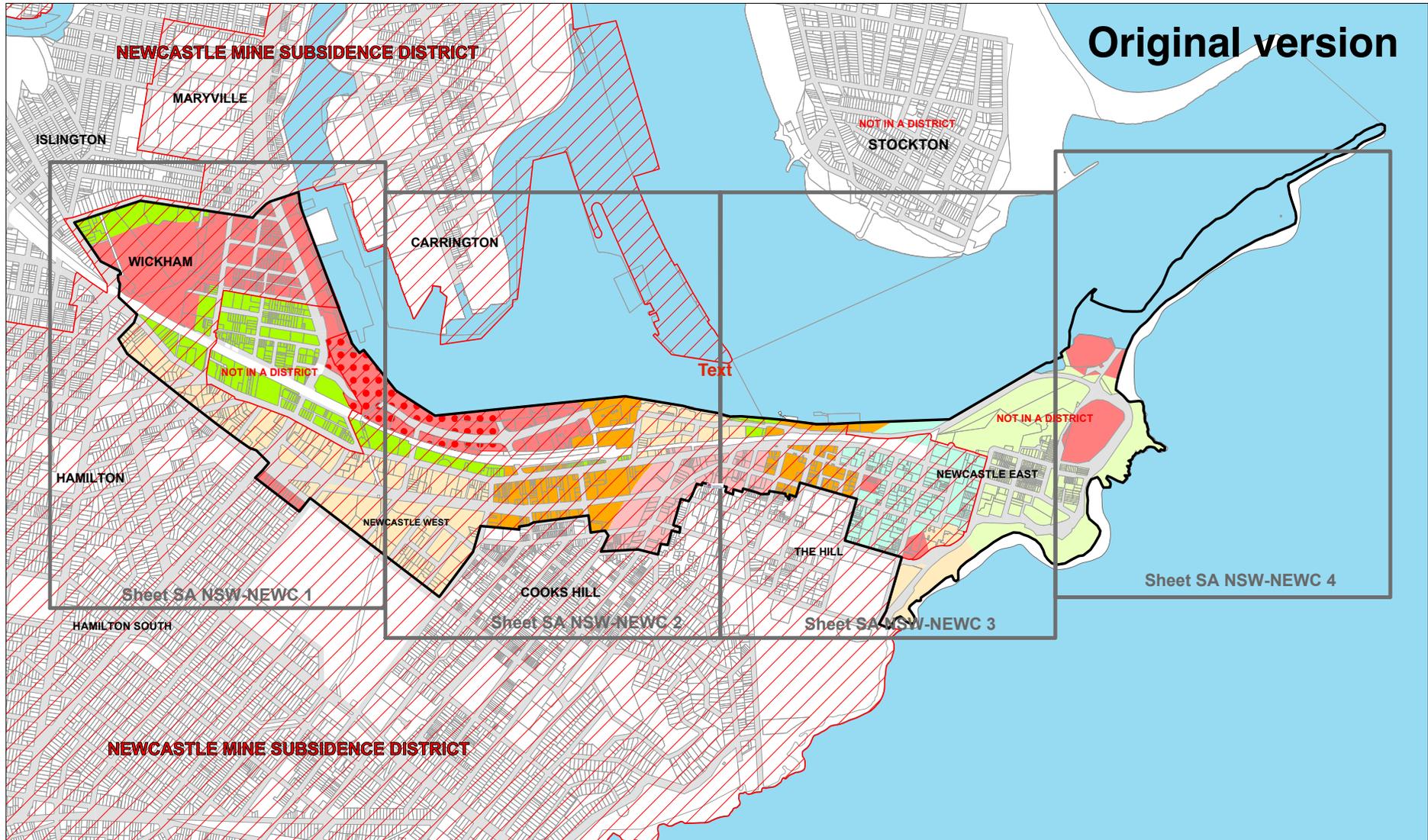
## Subsidence Advisory NSW — Newcastle Plan Legend

Surface development guidelines with regard to mine subsidence are available from Subsidence Advisory NSW (SA NSW). Please note the plan does not cover development requirements of other organisations.

SA NSW regularly reviews its surface development guidelines as additional geotechnical information becomes available. As Stage 2 of this project, SA NSW is assessing whether further detail can be provided to assist in understanding the quantum of grouting that is likely to be required in the zones identified on the plan.

### 1. Legend

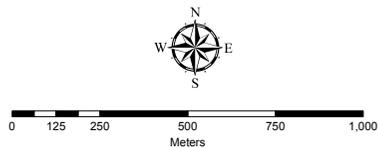
-  — **No restriction.** Allotments are not undermined nor within the zone of influence of known mine workings mining. There are no mine subsidence requirements for grouting.
-  — **Limited Restrictions.** Some areas of shallow unchartered workings have been identified. Further geotechnical investigation of some sites, with possible grouting, may be required.
-  — **Limited Restrictions A.** The area is in a Mine Subsidence District. Some areas of shallow unchartered workings have been identified. Further geotechnical investigation of some sites, with possible grouting, may be required.
-  — **Zone A.** Area of larger and relative uniform pillars. Geotechnical investigations required and likely grouting for high-rise and larger footprint structures.
-  — **Zone B.** Area of smaller dimension and relative uniform pillars. Geotechnical investigations required and high likelihood of coal seam grouting for high-rise and larger footprint structures.
-  — **Zone C.** Area underlain by Yard Seam at around 30m depth. Extent of Yard Seam to be determined and mine workings fully grouted. Additional requirements as per Zone B.
-  — **Zone D.** Area of old and small pillars with a possible history of failure. Detailed geotechnical investigation required and coal seam grouting for high-rise and larger footprint structures if seam has not fully collapsed.
-  — **Zone E.** As per Zone D with an ‘in principle’ grouting proposal available for this area.



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## LEGEND

- NO RESTRICTIONS
- LIMITED RESTRICTIONS
- LIMITED RESTRICTIONS-A
- Zone A
- Zone B
- Zone C
- Zone D
- GROUTING STRATEGY HONEYSUCKLE
- Mine Subsidence Districts
- EXTENT NEWCASTLE CITY CENTRE AREA

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