



# Urban Land Capability Classifications Kurrajong Heights

## Introduction

In June 1985 the Soil Conservation Service of NSW prepared, on behalf of Council, a *Reconnaissance Urban Capability Survey* of certain land at Kurrajong Heights. The study area was generally bounded by Bells Line of Road, Burrellow Road, Warks Hill Road, and a power transmission line which runs north west-south east and adjoins Little Wheeny Creek.

The survey examined the impact of future development on the potential for erosion and sedimentation in the short term and possible instability and drainage problems in the longer term.

The assessment resulted in land within the study area being given the following classifications.

## Class B-e

Council has been advised by the Soil Conservation Service of New South Wales that the subject land has minor to moderate physical limitations to development including moderate to very high erosion hazard, slopes of up to 10% and a low to moderate shrink swell potential of its subsoils.

The Service has indicated that, with careful management, the land is suitable for residential development. This advice will be considered if and when a development application is submitted to Council for its approval.

## Class B-e(d)

Council has been advised by the Soil Conservation Service of New South Wales that the subject land has minor to moderate physical limitations to development including shallow highly erodible soils, rock outcrops and slopes of up to 10%.

The Service has indicated that the land is suitable for residential development. This advice will be considered if and when a development application is submitted to Council for its approval.

## Class C-se

Council has been advised by the Soil Conservation Service of New South Wales that the subject land has moderate physical limitations to development including moderate to very high erosion hazard, slopes of 10-20% and low to moderate shrink swell potential of its subsoils.

The Service has indicated that the land is suitable for residential development. This advice will be considered if and when a development application is submitted to Council for its approval.

## Class C-se(d)

Council has been advised by the Soil Conservation Service of New South Wales that the subject land has moderate physical limitations to development including moderate to very high erosion hazard, slopes of 10-20%, shallow soils and rock outcrops.

The Service has indicated that, with careful management, the land is suitable for residential development. This advice will be considered if and when a development application is submitted to Council for its approval.

## Class D-f

Council has been advised by the Soil Conservation Service of New South Wales that the subject lands have severe physical limitations to development including periodic inundation and soil constraints.

The Service has recommended that the land only be used for drainage reserves. This advice will be considered if and when a development application is submitted to Council for its approval.

### Class D-s

Council has been advised by the Soil Conservation Service of New South Wales that the subject land has severe physical limitation to development including slopes of 20-30%, high to extreme soil erodibility and very high erosion hazard.

The Service has recommended that any building development be subject to prior geotechnical survey and strict engineering controls. This advice will be considered if and when a development application is submitted to Council for its approval

### Class D-se(d)

Council has been advised by the Soil Conservation Service of New South Wales that the subject land has severe physical limitations to development because of the combination of moderate to very high soil erodibility, very high to extreme erosion hazard, steep slope gradients and the often unstable nature of the deep weathered rocky subsoil materials.

The Service has recommended that any building development be subject to prior geotechnical survey and strict engineering controls. This advice will be considered if and when a development application is submitted to Council for its approval.

### Class D-sm

Council has been advised by the Soil Conservation Service of New South Wales that the subject land has severe physical limitations to development including the potential for mass movement, high erosion hazard and a low to moderate shrink swell potential of its subsoils.

The Service has recommended that any building be subject to prior geotechnical survey and engineering controls. This advice will be considered if and when a development application is submitted to Council for its approval.

### Class E-s

Council has been advised by the Soil Conservation Service of New South Wales that the subject land has very severe physical limitations to development including slope gradients of 30% or greater and very high to extreme erosion hazard.

The Service has recommended that the land be retained in its present condition, maintaining a good vegetative cover to stabilise it against erosion. This advice will be considered if and when a development application is submitted to Council for its approval.

### Class E-sm

Council has been advised by the Soil Conservation Service of New South Wales that the subject land has very severe physical limitations to development including a high potential for mass movement and slope gradients generally above 20%.

The Service has recommended that the land be retained in its present condition, with a good vegetative cover. This advice will be considered if and when a development application is submitted to Council for its approval.

### Links

Reconnaissance Urban Land Capability Survey, Kurrajong Heights (Report)  
[http://www.hawkesbury.nsw.gov.au/\\_data/assets/pdf\\_file/0007/83419/1985-June-Reconnaissance-Urban-Capability-Survey-Kurrajong-Heights.pdf](http://www.hawkesbury.nsw.gov.au/_data/assets/pdf_file/0007/83419/1985-June-Reconnaissance-Urban-Capability-Survey-Kurrajong-Heights.pdf)

Reconnaissance Urban Land Capability Survey, Kurrajong Heights (Map)  
[http://www.hawkesbury.nsw.gov.au/\\_data/assets/pdf\\_file/0018/83421/Urban-Capability-Classification-Map.pdf](http://www.hawkesbury.nsw.gov.au/_data/assets/pdf_file/0018/83421/Urban-Capability-Classification-Map.pdf)



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