



Ingleside Land Capability

On Site Effluent Management Capability

Date: July 2015



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Version: 1, Version Date: 15/07/2015

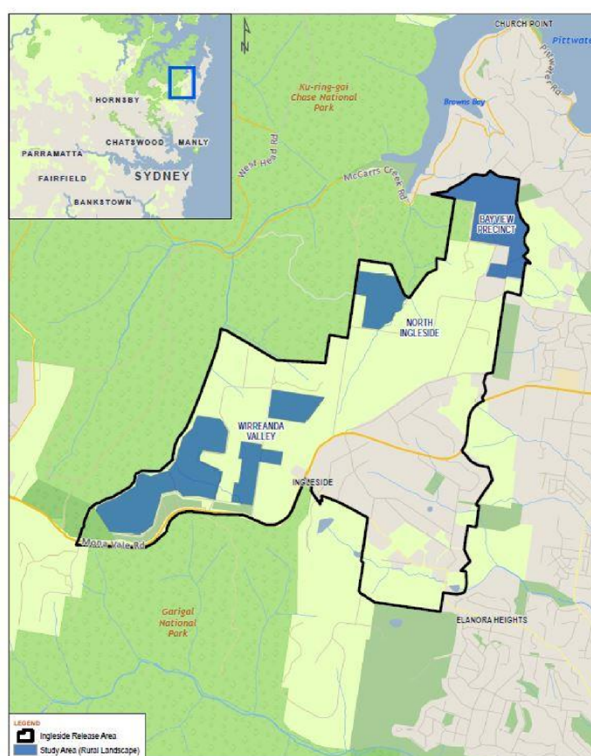


Locality

Study Areas by Precinct:

1. Wirreanda Valley = 75.5 hectares
2. North Ingleside = 17.5 hectares
3. Bayview = 39.2 hectares

Total Study Area = 132.2 hectares



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Environmental Buffer Distances

Environment & Health Protection Guidelines for On-site Sewage Management for Single Households (Department of Local Government, 1998) recommends the following:

- **250 metres:** groundwater well used for domestic water supply
- **100 metres:** permanent surface waters (eg river, streams, lakes, etc)
- **40 metres:** farm dams, intermittent waterways and drainage channels, etc)
- **6 metres:** up-gradient and 3 metres if area down-gradient of swimming pools, property boundaries, driveways and buildings

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Groundwater Constraints

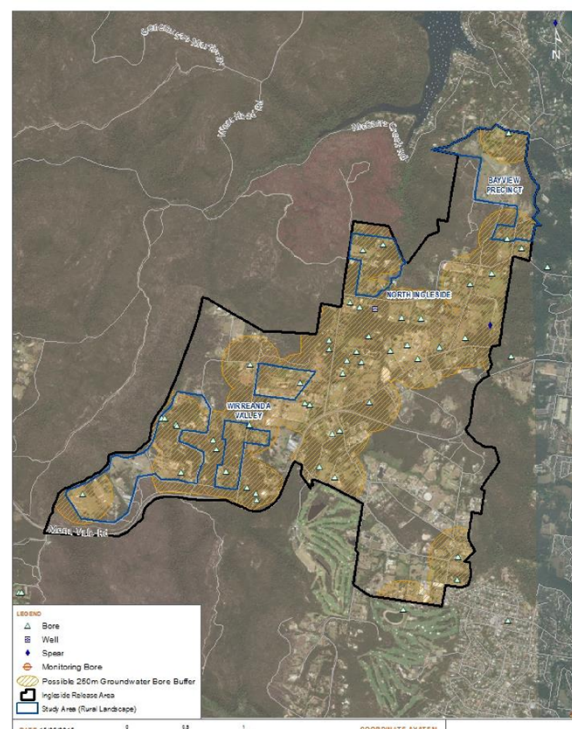
Study Areas by Precinct:

1. Wirreanda Valley = 75.5 hectares
 2. North Ingleside = 17.5 hectares
 3. Bayview = 39.2 hectares
- Total = 132.2 hectares**

Remaining unconstrained areas available after buffers applied:

1. Wirreanda Valley = 16.4 ha
 2. North Ingleside = 1.2 ha
 3. Bayview = 24 ha
- Total = 41.6 ha**

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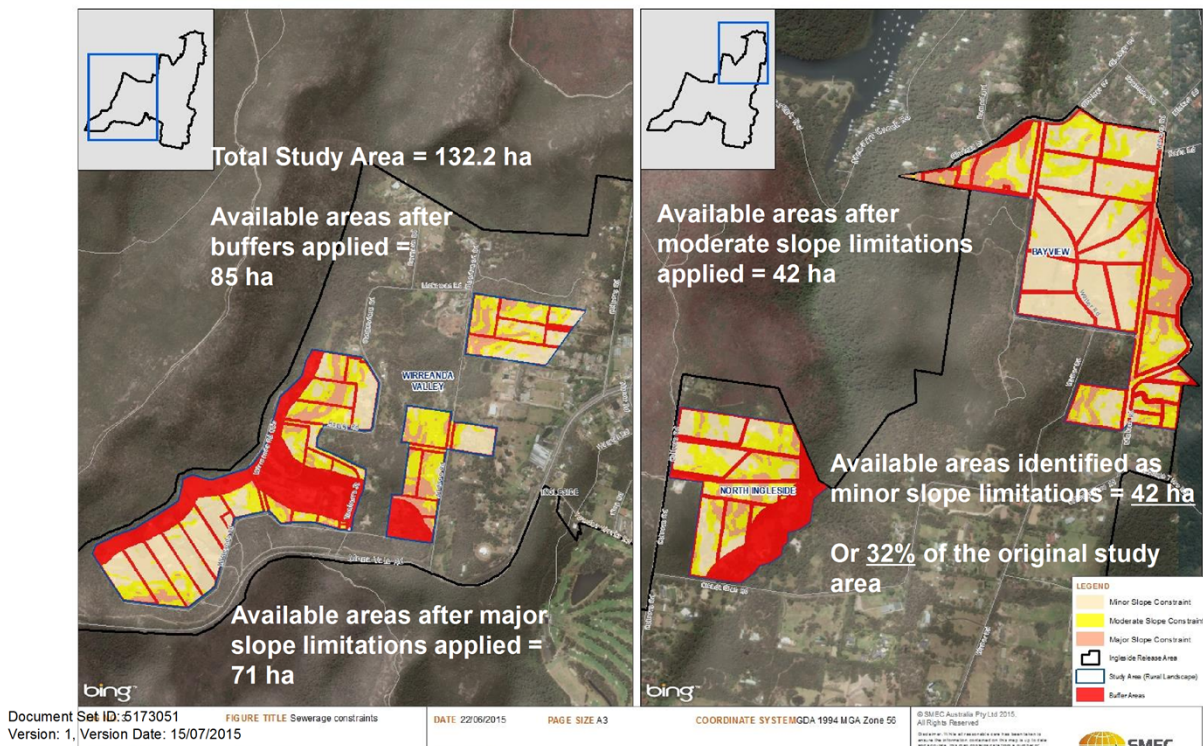
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Slope Constraints

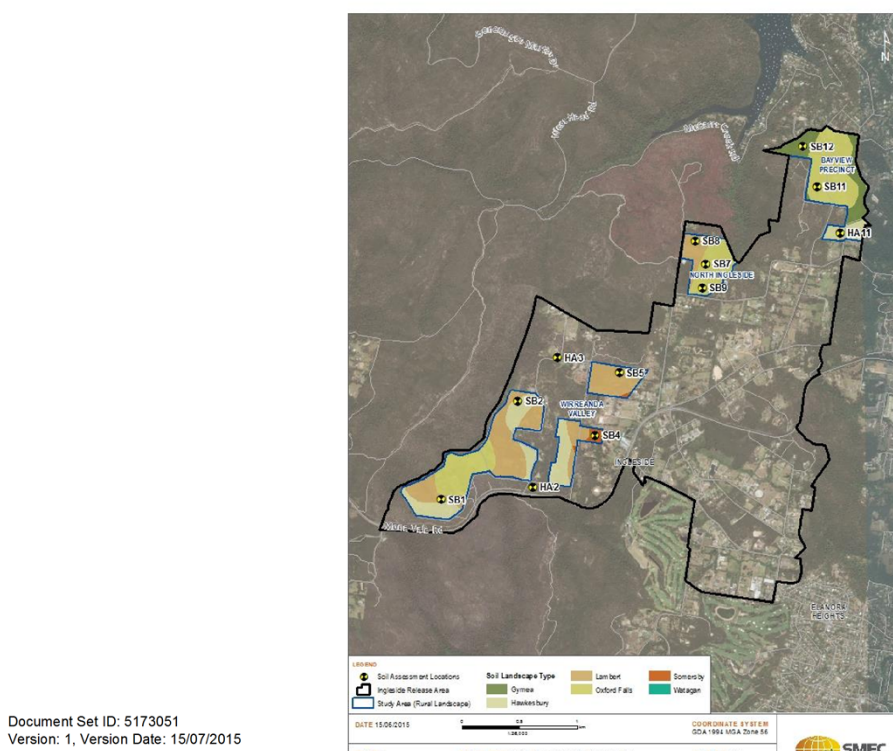
Slope %	Minor Limitation	Moderate Limitation	Major Limitation
Surface Irrigation	0-6	6-12	>12
<u>Subsurface Irrigation</u>	<u>0-10</u>	<u>10-20</u>	<u>>20</u>
Absorption System	0-10	10-20	>20

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Slope Constraints



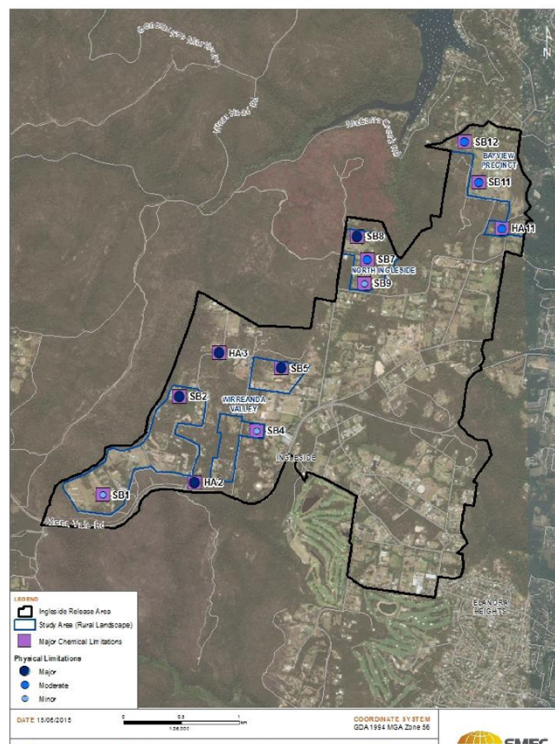
Soil Landscape





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Soil Assessment



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Soil Analysis Summary

Sample ID	Sample Depth	Physical Limitations	Chemical Limitations
SB1	0.1	Minor	Major - Phosphorus
SB2	0.1	Major – Soil Perm	Major - Phosphorus
SB4	0.1	Minor	Major - Phosphorus
SB5	0.1	Major– Soil Perm	Major - Phosphorus
HA2	0.2	Major– Soil Perm	Major - Phosphorus
HA3	0-0.2	Major– Soil Perm	Major - Phosphorus
SB7	0.1	Minor	Major - Phosphorus
SB8	0.1	Major– Soil Perm	Major - Phosphorus
SB9	0.1	Minor	Major - Phosphorus
SB11	0.1	Moderate – Soil Perm	Major - Phosphorus
SB12	0.1	Moderate – Soil Perm	Major - Phosphorus
HA1	0.2	Moderate – Soil Perm	Major - Phosphorus

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