## 5. SUMMARY OF THE CAPABILITY RATINGS

The following tables summarise the capability ratings of the land for general construction activities, for on-site effluent disposal, for the erosion risk associated with bared soil, and subsequently, the overall rating for rural residential subdivision. In addition they show the areas of land within the various map units and rating classes.

Maps of the area illustrating all of the rating are included in volume 2 of this report, the map atlas. Figure 6 shows the relative areas of land in each of the rating classes and some subsequent recommendations.

**Table 8 Summary Of Land Capbility Ratings And Limitations**

| MAP UNIT | AREA (SQ KM) | CAPABILITY RATING FOR: General construction | Effluent Disposal | Erosion Risk | LIMITATIONS | OVERALL RATING Rural – residential Subdivision |
|---|---|---|---|---|---|---|
| CR1 | 2.3 | 2 | 3 | 2 | Soils are moderately deep and dispersible in some areas; effluent disposal limited due to soil permeability and drainage, large area probably required. | 3 |
| CR1a | 2.4 | 3 | 2 | 2 | Soil depth limitation in some areas may hinder construction. | 2 |
| SS1a | 11.2 | 5 | 5 | 5 | High erosion hazard due to slope; areas of dispersible subsoil | 5 |
| SS2a | 9.9 | 3 | 3 | 4 | Moderate erosion hazard due to slope and areas of dispersive subsoil; effluent disposal commonly limited by soil permeability. | 4 |
| SS3a | 6.7 | 3 | 3 | 3 | Effluent disposal limited by soil permeability and drainage. Slight erosion hazard in steeper areas may be exacerbated by subsoil dipersibility. | 3 |
| SS4a | 0.9 | 3 | 3 | 2 | Similar to SS3a but decreased erosion hazard due to lesser slopes. | 3 |
| CR2 | 2.3 | 2 | 2 | 1 | Slight erosion hazard in some steeper areas, subsoils may display moderate shrink-well behaviour in some areas, making concrete slab foundations preferable to strip footings or stumps. Earth fill dams likely to be difficult to seal due to soil structure and low dispersibility. | 2 |

| MAP UNIT | AREA (SQ KM) | CAPABILITY RATING FOR: General construction | Effluent Disposal | Erosion Risk | LIMITATIONS | OVERALL RATING Rural – residential Subdivision |
|---|---|---|---|---|---|---|
| CR2b | 2.5 | 3 | 3 | 1 | Soils are commonly shallow, limiting effluent disposal and possibly causing construction difficulties although underlying rock is often very weathered. Foundation and dam comments as for CR2 | 3 |
| SS1b | 2.1 | 5 | 5 | 5 | High erosion hazard due to slope, landslip hazard in some areas with unstable subsoils. Dam comments as for CR2. | 5 |
| SS2b | 4.6 | 4 | 3 | 3 | Moderate erosion hazard in steeper areas, otherwise similar to CR2. | 3 |
| SS3b | 2.3 | 2 | 2 | 2 | As for CR2. | 2 |
| CR3 | 4.9 | 3 | 3 | 2 | Effluent disposal may be limited by soil permeability and drainage, large areas may be needed. | 3 |
| CR4 | 4.6 | 2 | 1 | 2 | Slight erosion hazard in some steeper areas where subsoils are dispersive. Effluent disposal may be limited in duplex soil areas. | 2 |
| SS1c | 2.2 | 5 | 4 | 5 | High erosion hazard due to slope and moderately dispersive subsoils. | 5 |
| SS2c | 13.2 | 4 | 3 | 3 | Moderate erosion hazard due to slope and moderately dispersive subsoils, effluent disposal may be limited by soil permeability and drainage. | 4 |

| MAP UNIT | AREA (SQ KM) | CAPABILITY RATING FOR: General construction | Effluent Disposal | Erosion Risk | LIMITATIONS | OVERALL RATING Rural – residential Subdivision |
|---|---|---|---|---|---|---|
| SS3c | 5.4 | 2 | 2 | 2 | Slight erosion hazard in steeper areas may be exacerbated by subsoil dispersibility. | 2 |
| SS4c | 1.1 | 2 | 3 | 1 | Effluent disposal may be limited by soil permeability and drainage. | 2 |
| CR5 | 1.7 | 3 | 3 | 1 | Soil depth limitation in some areas, subsoils are moderately susceptible to slaking. | 3 |
| SS1d | 2.4 | 5 | 5 | 5 | High erosion hazard due to slope and slaking subsoils. | 5 |
| SS2d | 2.9 | 4 | 3 | 3 | As for SS1d be decreased hazard due to lower slopes. | 4 |
| SS3d | 0.5 | 3 | 2 | 2 | Moderate erosion hazard in steeper areas due to slaking susceptibility of subsoil. | 3 |
| DC1 | 2.8 | 5 | 5 | 3 | Moderately high erosion hazard due to position as runoff concentration areas, high flood risk areas. | 5 |
| DC2 | 10.5 | 4 | 4 | 4 | Moderately high erosion hazard due to slope and position as runoff concentration areas, effluent disposal and construction limited by subsoil drainage. | 4 |

| MAP UNIT | AREA (SQ KM) | CAPABILITY RATING FOR: General construction | Effluent Disposal | Erosion Risk | LIMITATIONS | OVERALL RATING Rural – residential Subdivision |
|---|---|---|---|---|---|---|
| TR1 | 2.3 | 3 | 3 | 1 | Effluent disposal and construction likely to be limited by soil permeability and drainage. | 3 |
| TR2 | 1.0 | 2 | 1 | 2 | Slight erosion hazard due to loose surface soils | 2 |
| DF1 | 4.7 | 5 | 5 | 3 | High flood risk erosion hazard due to proximity to major watercourse. | 5 |
| DF2 | 2.8 | 4 | 4 | 2 | Similar to DF1 although flood risk is slightly lower due to elevation; effluent disposal limited by soil permeability and drainage. | 4 |

**Table 9 Areas of land in rating classes for each type of assessment**

| | Overall Assessment | | Individual Assessments | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Rural Residential Subdivision | | General Construction | | Effluent Disposal | | Erosion Risk | |
| | Area (sq km) | % | Area (sq km) | % | Area (sq km) | % | Area (sq km) | % |
| Class 1 | - | - | - | - | 5.5 | 5.0 | 10.0 | 9.0 |
| Class 2 | 19.0 | 17.2 | 18.9 | 17.2 | 12.8 | 11.7 | 27.0 | 24.6 |
| Class 3 | 26.5 | 24.0 | 21.9 | 19.9 | 53.0 | 48.2 | 34.8 | 31.6 |
| Class 4 | 39.2 | 35.7 | 43.8 | 39.9 | 15.5 | 14.1 | 20.3 | 18.5 |
| Class5 | 25.2 | 22.9 | 25.2 | 22.9 | 23.1 | 21.0 | 17.8 | 16.2 |

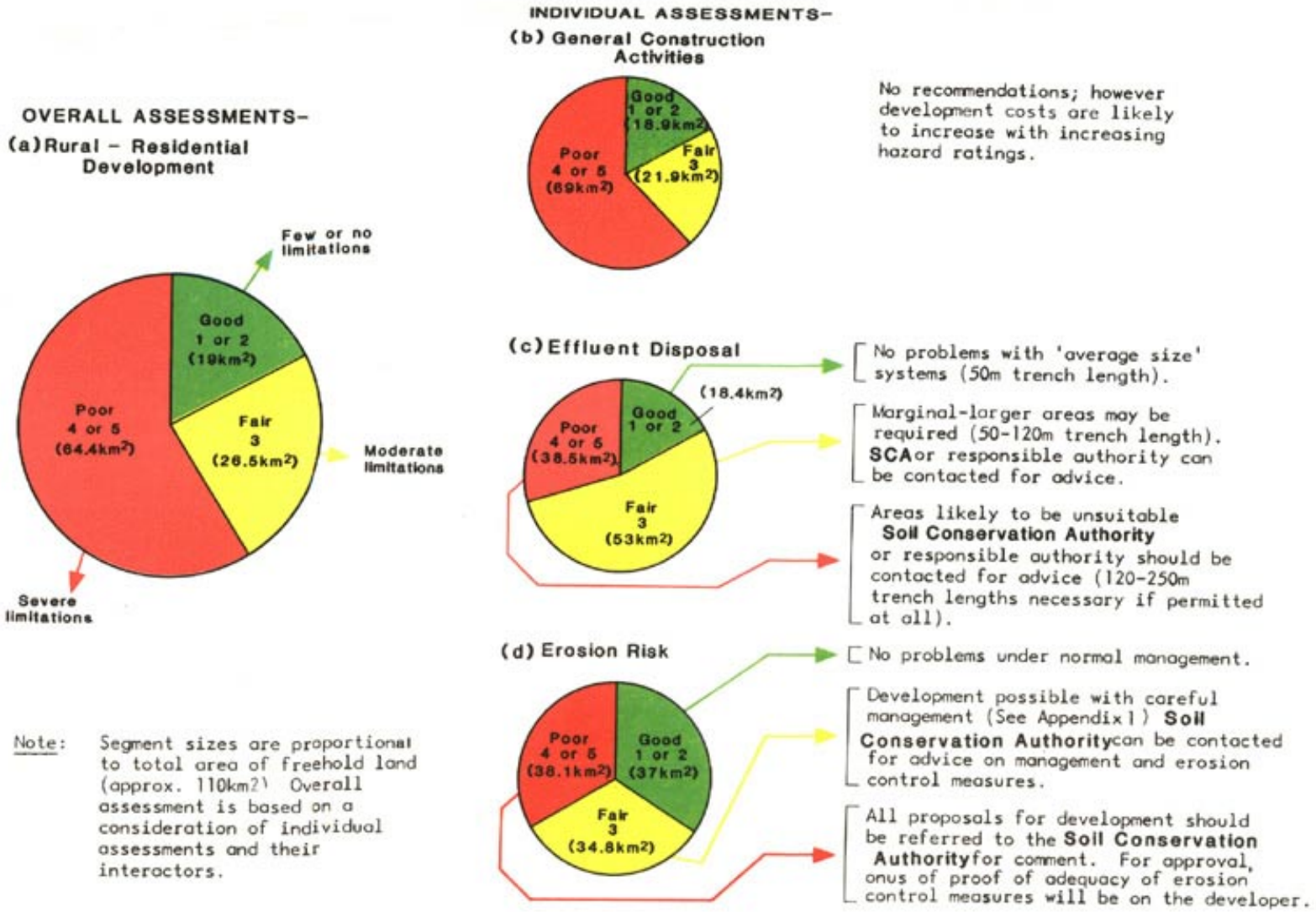


*Figure 6 – Areas of land in rating classes*