

## Scenarios developed by the Rural Issues Working Group

### Management options

|                          |       | Retirement of very steep slopes and afforestation /reversion to bush   | Space planting and afforestation on land susceptible to erosion   | Riparian planting  | Stock exclusion   | Stocking rates | Forestry  | On-site wastewater   | Stock and domestic water use   |
|--------------------------|-------|--|---|--|---|----------------|---|--|--|
| <b>Gold Scenario</b>     | Where | Classes 8, 7e, 6e (NZLRI)  | Addressed by gold scenario for retirement of steep slopes   | All streams (permanently flowing water 0.5 m wide or 30 cm deep) 10 metre width (both sides)   | All Streams (permanently flowing water 0.5 m wide or 30 cm deep)                | 3.5 su/ha      | Proportion open bare space/ woody vegetation in a catchment does not exceed 5% each year  |  |  |
|                          | When  | Retire 2025<br>Woody revegetation cover by 2040  | 2025  | 2025   | 2025  |                |   |  |  |
| <b>Silver Scenario</b>   | Where | Classes 8, 7e (NZLRI)  | Class 6e (NZLRI)  | All streams (permanently flowing water 0.5 m wide or 30 cm deep) 5 metre width (both sides)  | All Streams (permanently flowing water 0.5 m wide or 30 cm deep)                | 12 su/ha       | Proportion open bare space/ woody vegetation in a catchment does not exceed 20% each year |  |  |
|                          | When  | Retire 2040<br>Woody revegetation cover by 2080  | 2040  | 2040   | 2040  |                |   |  |  |
| <b>Bronze Scenario</b>   | Where | Class 8 (NZLRI)  | Classes 7e and 6e (NZLRI) on public land  | All streams on public land (permanently flowing water 0.5 m wide or 30 cm deep) 5 metre width (both sides)                           | All streams on public land (permanently flowing water 0.5 m wide or 30 cm deep) | Same as silver | Proportion open bare space/ woody vegetation in a catchment does not exceed 40% each year |  |  |
|                          | When  | Retire 2080<br>Replanting 2080   | ??  | ??   | ??  |                |   |  |  |
| <b>Notes</b>             |       |  |   | All streams includes streams on farming, and lifestyle blocks.   | Could be fencing or by another means (e.g. cliffs)                              |                |   |  |  |
| <b>Business As Usual</b> |       | Retirement of land is considered in the preparation of Soil Conservation Plans landowners can prepare with GWRC assistance | Under GWRC Soil Conservation Plan programme(properties > 40 ha) and for works on GWRC land, planting areas can be estimated to 2025 together with a sediment reduction factor | Under GWRC riparian programme, stream length planting can be estimated to 2025. Planting on GWRC land can also be estimated to 2025. | Addressed in riparian planting column   | N/A            | N/A   | Ongoing discussions (between staff and modellers) Discussions on the status quo, risk, water quality effects (nitrates and <i>Ecoli</i> ) and a scenario of rural land subdivided to the fullest extent. | The status quo is being modelled. There are ongoing discussions (between staff and modellers) on modelling the scenario of domestic water use in the event rural land is subdivided to the fullest extent. |