

The Water Supply Agreement places restrictions on the activities which Farmers, their teams and contractors can undertake within Easement Land, to protect Amuri Irrigation Company (AIC) infrastructure.

Definition of Easement Land

Easement Land refers to a 30m wide strip or 15m buffer zone around AIC infrastructure. For pipelines and open races, this is 15m from the pipe or race centre point. For aboveground infrastructure (e.g., pump stations) it is a 15m buffer zone around the exterior of the footprint of the infrastructure. For ponds, the surveyed footprint has been calculated to protect the integrity of the infrastructure and may exceed 15m.

Pasture and Seasonal Crops

Farmers can cultivate Easement land containing underground infrastructure for pasture and seasonal crops using normal on-farm practices without fear of damage, as pipes are buried at a depth of 900mm in anticipation of this work. Planting fodder crops for winter grazing along waterways should be done in line with Good Management Practice and include a buffer strip beyond the riparian margin, i.e., an additional buffer strip will be required beyond the side of the open race.

Perennial, Shelterbelt and Riparian Planting

Certain types of trees and plants develop deep roots which can seek out water through pipe joints. Tree rooting near pipelines can damage pipe and interfere with future maintenance activities.

Tables A and B outline what perennial plants are automatically approved for planting on Easement Land. Planting along open races and around above ground infrastructure still requires individual approval.

Table A: Species Suitable for Planting on Top of Irrigation Pipe

Table A species can be planted over top of and across the full width of the easement corridor.

Native Shrubs

| Scientific Name | Common Name |
|--|---|
| <i>Brachyglottis greyii</i> | Daisy Bush |
| <i>Brachyglottis monroi</i> | Yellow Shrub Daisy |
| <i>Corokia cotoneaster</i> | Korokio/Wire-Netting Bush |
| <i>Corokia</i> species - Geentys Green and Ghost | Frosted Chocolate, Bronze King |
| <i>Hebe</i> species | |
| <i>Melicytus alpinus</i> | Porcupine Bush |
| <i>Olearia nummulariifolia</i> | Tree Daisy |
| <i>Phormium</i> species | Coloured flaxes - e.g., Black Rage, Evening Glow, Cream Delight, Surfer |

Native Grasses/Tussocks

| Scientific Name | Common Name |
|-------------------------------|------------------------------|
| <i>Anemanthele lessoniana</i> | Windgrass |
| <i>Carex buechananii</i> | Buchanan's Sedge/Cutty Grass |
| <i>Carex flagellifera</i> | Glen Murray Tussock |
| <i>Carex secta</i> | Pukio |
| <i>Carex testacea</i> | Speckled Sedge |
| <i>Poa cita</i> | Silver Tussock |

Table B: Species Suitable for Planting 5m from Irrigation Pipe

Table B species can be planted within the easement corridor subject to the condition that they are not planted within 5m of the pipeline. We can mark out this pipeline offset on request.

Large Native Shrubs

| Scientific Name | Common Name |
|-------------------------------|----------------------|
| <i>Coprosma crassifolia</i> | Mikimiki |
| <i>Coprosma liniariifolia</i> | Yellow Wood |
| <i>Coprosma lucida</i> | Shining Karamu |
| <i>Coprosma propinqua</i> | Mingimingi |
| <i>Coprosma rhamnoides</i> | Red-fruited Coprosma |
| <i>Coprosma rigida</i> | |
| <i>Coprosma robusta</i> | Karamu |
| <i>Coprosma virescens</i> | Twisted Coprosma |
| <i>Cortaderia richardii</i> | Toetoe |
| <i>Discaria toumatou</i> | Matagouri |
| <i>Hebe salicifolia</i> | Koromiko |
| <i>Hebe traversii</i> | Streamside Hebe |
| <i>Leptospermum scoparium</i> | Manuka |
| <i>Muehlenbeckia astonii</i> | Shrubby Tororaro |
| <i>Ozothamnus</i> species | Cottonwood |
| <i>Ozothamnus tenax</i> | Flax |
| <i>Sophora prostrata</i> | Prostrate Kowhai |

Native Trees

| Scientific Name | Common Name |
|--------------------------------|--|
| <i>Griselinia littoralis</i> | Broadleaf |
| <i>Kunzea ericoides</i> | Kanuka |
| <i>Olearia lineata</i> | Small-leaved Tree Daisy |
| <i>Olearia paniculata</i> | Akiraho/Golden Akeake |
| <i>Pittosporum tenuifolium</i> | Kohuhu |
| <i>Pittosporum</i> species | e.g. Silver Wai iti, Tandarra Gold, Silver Sheen, Wrinkled Blue, Stephens Island |
| <i>Sophora microphylla</i> | Kowhai |

Exotic Trees and Shrubs

| Scientific Name | Common Name |
|--------------------------|-------------|
| <i>Betula</i> species | Birch |
| <i>Cornus</i> species | Dogwoods |
| <i>Grevillea</i> species | |
| <i>Malus</i> species | Crab apples |
| <i>Photinia</i> species | |
| <i>Viburnum</i> species | |

Other Species

For any other species of tree or shrub not listed in Table A or Table B, specific approval from AIC will be required. In these instances, our default position is to decline the request unless sufficient information is provided that the species poses an insignificant risk to AIC infrastructure.

Requests for approval or pipeline information can be sent to operations@amuriirrigation.co.nz.