WHAT TO PLANT WHERE

Ferns and Ground Covers

Plant Tolerances: ■ tolerates or needs; □ intolerant of; ◒ tolerant of some

Planting Zones

KEY No.	Common Name	Species Name	Sun	Shade	Wet	Dry	Wind	Margin or edge of stream	Lower bank	Upper bank	Crest or Levee	Backswamp	Terrace face	Upper Terrace
1	bog rush	*Schoenus pauciflorus*	■	□	■	□	■	✔						
2	harakeke, NZ flax	*Phormium tenax*	■	□	■	◒	■		✔	✔		✔		
3	hounds tongue fern	*Phymatosorus pustulatus*	□	■	◒	◒	□				✔		✔	
4	kakaha, bush lily	*Astelia fragrans*	◒	■	◒	□	□			✔	✔			✔
5	kapungawha, lake club rush	*Schoenoplectus validus*	■	□	■	□	■	✔						
6	kiokio	*Blechnum minus, B.chambersii, B.fluviatile*	□	■	■	□	□	✔						
7	mata, water-fern	*Histiopteris incisa*	□	■	◒	□	□		✔					
8	NZ iris, mikoikoi	*Libertia ixioides*	◒	■	◒	■	■			✔	✔		✔	
9	pikopiko	*Polystichum richardii*	□	■	◒	◒	□			✔	✔		✔	✔
10	pukio, tussock sedge, makura	*Carex secta, C.virgata, C.maorica*	■	◒	■	□	□	✔				✔		
11	puniu, prickly shield fern	*Polystichum vestitum*	□	■	■	□	□		✔	✔				
12	rough pigfern	*Hypolepis ambigua*	□	■	■	□	□		✔					
13	spike-sedge	*Eleocharis acuta*	■	□	■	□	■	✔						
14	toetoe grass, toitoi	*Cortaderia richardii*	■	◒	◒	◒	□			✔	✔	✔		
15	tussock rushes	*Juncus gregiflorus, J.pallidus*	■	□	■	◒	■		✔			✔		
16	umbrella sedge, upoko-tangata	*Cyperus ustulatus*	■	□	■	□	■		✔					
17	wind grass, bamboo grass	*Anemanthele lessoniana*	◒	■	◒	◒	■				✔			✔

Shrubs and Trees

Plant Tolerances: ■ tolerates or needs; □ intolerant of; ◒ tolerant of some

Planting Zones

KEY No.	Common Name	Species Name	Sun	Shade	Wet	Dry	Wind	Margin or edge of stream	Lower bank	Upper bank	Crest or Levee	Backswamp	Terrace face	Upper Terrace
18	akeake (protect from frost)	*Dodonaea viscosa*	■	◒	□	■	■						✔	
19	cabbage tree, ti kouka	*Cordyline australis*	■	◒	■	■	■		✔	✔	✔	✔	✔	✔
20	five finger, whauwhaupaku	*Pseudopanax arboreus, Panomalus*	■	■	◒	◒	◒				✔		✔	✔
21	golden akeake, akiraho	*Olearia paniculata*	■	□	□	■	■				✔		✔	✔
22	hinau	*Elaeocarpus dentatus*	■	◒	◒	◒	□				✔		✔	✔
23	horopito, peppertree (shrub)	*Pseudowintera colorata*	■	■	■	□	◒					✔		
24	houhere, houi, narrow-leaved lacebark	*Hoheria angustifolia*	■	◒	◒	■	■			✔	✔		✔	✔
25	kahikatea, white pine	*Dacrycarpus dacrydioides*	■	◒	■	□	◒			✔		✔		
26	kaikomako	*Pennantia corymbosa*	■	◒	■	◒	□			✔	✔	✔	✔	✔
27	kanuka	*Kunzea ericoides*	■	□	□	■	■			✔	✔		✔	✔
28	kapuka, broadleaf	*Griselinia littoralis*	■	■	◒	■	■			✔	✔		✔	✔
29	karamu (shining)	*Coprosma lucida*	■	■	◒	■	■			✔	✔		✔	✔
30	karamu	*Coprosma robusta*	■	■	■	■	■			✔	✔	✔	✔	✔
31	kohuhu, black matipo, tawhari	*Pittosporum tenuifolium*	■	■	■	■	■			✔	✔	✔	✔	✔
32	koromiko (shrub)	*Hebe salicifolia*	■	◒	◒	◒	◒		✔	✔				
33	kotukutuku, tree fuchsia (deciduous)	*Fuchsia excorticata*	□	■	◒	□	□			✔	✔			
34	lancewood, horoeka	*Pseudopanax crassifolius*	■	◒	◒	■	■			✔	✔		✔	✔
35	mahoe (protect from frost)	*Melicytus ramiflorus*	■	■	◒	◒	□				✔		✔	
36	makomako, wineberry (deciduous)	*Aristotelia serrata*	◒	◒	◒	□	□			✔	✔			✔
37	manatu, lowland ribbonwood (deciduous)	*Plagianthus regius*	■	◒	■	◒	■			✔	✔	✔	✔	✔
38	manuka, tea tree	*Leptospermum scoparium*	■	□	■	■	■		✔			✔		✔
39	mapou	*Myrsine australis*	■	■	◒	◒	◒		✔	✔		✔	✔	
40	matai, black pine	*Prumnopitys taxifolia*	■	◒	■	■	■			✔	✔	✔	✔	✔
41	mikimiki (shrub)	*Coprosma propinqua*	■	■	■	■	■		✔	✔		✔		
42	mikimiki (shrub)	*Coprosma* aff. *parviflora* (sp.t)	■	◒	■	◒	■		✔			✔		
43	mikimiki (shrub)	*C. rubra, C. areolata*	◒	■	◒	◒	□			✔	✔		✔	✔
44	mikimiki, round-leaved coprosma	*Coprosma rotundifolia*	■	■	◒	□	□			✔	✔			✔
45	mikimiki (shrub)	*Coprosma virescens, C. crassifolia,*	■	◒	◒	■	■				✔		✔	
46	pigeonwood (protect from frost)	*Hedycarya arborea*	■	◒	◒	◒	□			✔	✔		✔	
47	poataniwha (shrub)	*Melicope simplex*	◒	■	◒	◒	■			✔	✔			✔
48	pokaka	*Elaeocarpus hookerianus*	■	■	■	□	□					✔		
49	putaputaweta, marbleleaf	*Carpodetus serratus*	◒	■	◒	□	□			✔	✔			
50	rohutu, NZ myrtle	*Lophomyrtus obcordata*	■	◒	◒	■	■			✔	✔		✔	✔
51	silver fern (protect from frost)	*Cyathea dealbata*	◒	■	◒	□	□				✔		✔	
52	South Island kowhai (deciduous) (all parts of plant are toxic)	*Sophora microphylla*	■	□	◒	■	■			✔	✔		✔	✔
53	titoki (protect from frost)	*Alectryon excelsum*	■	◒	□	◒	□			✔	✔		✔	✔
54	totara	*Podocarpus totara*	■	◒	◒	◒	◒				✔		✔	✔
55	turepo, milk tree	*Streblus heterophyllus*	■	■	■	□	□			✔	✔	✔		
56	weeping mapou (shrub)	*Myrsine divaricata*	■	◒	■	◒	◒		✔	✔	✔	✔		
57	wheki, hard treefern (protect from frost)	*Dicksonia squarrosa*	◒	■	◒	□	□				✔		✔	
58	yellow wood	*Coprosma linariifolia*	◒	■	◒	◒	□			✔	✔		✔	✔

HOW TO USE THIS PAGE

- Look at the RIVER AND STREAM PROFILES and decide which zone you want to plant (e.g. lower bank)
- Go to the top of the tick table and find your chosen PLANTING ZONE (e.g. lower bank)
- Select the plants down the column which get a tick (e.g. lower bank includes harakeke; NZ flax in "Ferns and Ground Cover" and cabbage tree, ti kouka in "Shrubs and Trees."
- Match the key number of your plant (e.g. harakeke; NZ flax is No.2) with the number in the RIVER AND STREAM PROFILES. This is the plant's form and its preferred position(s) for planting.
- Check PLANT TOLERANCES in the small boxes, so that you get the shade, moisture and shelter conditions just right for the plants you have selected.

FURTHER PLANT LISTS

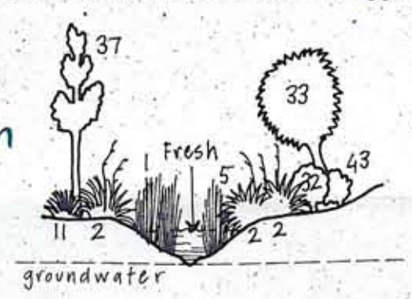
- There is an exciting range of plants suited to gardens and areas beyond your streamside.
- Enquire about these further plant species from the "Indigenous Ecosystem booklets, maps and charts" by Lucas Associates, and Meurk & Lynn (Landcare Research) available from Council Service Centres and the Civic Office in Tuam Street.

RIVER AND STREAM PROFILES

These profiles show the sequence of native plants best suited to each zone. Scale is exaggerated.

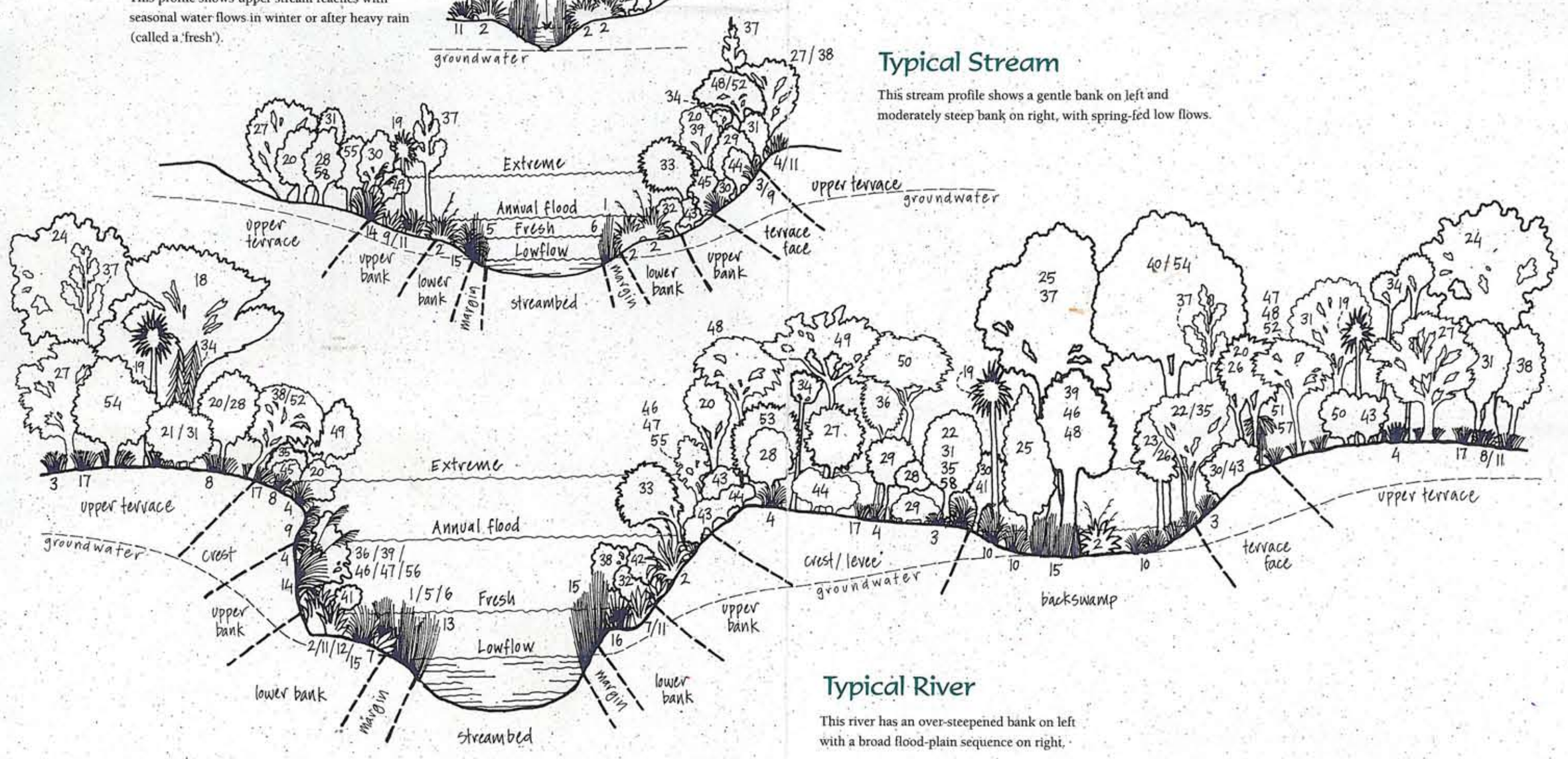
Typical Seasonal Stream

This profile shows upper stream reaches with seasonal water flows in winter or after heavy rain (called a 'fresh').



Typical Stream

This stream profile shows a gentle bank on left and moderately steep bank on right, with spring-fed low flows.



Typical River

This river has an over-steepened bank on left with a broad flood-plain sequence on right.