

GRID STEWERSTERRAM SCENEC RESERVE R 27 780 057 REF scenery I bush I scrub tussock etc. wetland plants I animals geology soil history pichistory. Water supply AREA ha axx 69.0941 LOCATION Adjacent to Silverstream Bridge on Western Hutt Road. L.D. No STATUS Scenic From car park just south of Silverstream Bridge. RES sub-Citee CONTROL Upper Hatt County Council OUTLINE & TOPS Steep, east-facing slope of the Wellington Fault-scarp dissected by a number of small streams with steep-sided valleys. GAZETTEO 1907/13, 1911/1335, 1927/3666 RESERVED HISTORY SURROUNDINGS
Gorse scrub with regenerating native species to the northeast, motorway and SN 5497 H/16 AIR PHOTO 6.10.80 Butt River to the south, pine plantations to the north-west. | 2 km | Heretaunga | 0 km | Keith George (Adjacent) | 0 km | State Highway 2 nearby town nearest reserve public road Greywacke, steep-very steep slope on scarp formed by the Wellington Fault. that Poricus Harbour #1717UDE m #k 40-300 gpm Greywacke colluvium ASPECT South-southeast RAIN mm xx | 1290 SOH Rushine steepland soils. DHAINAGE NAT FERTILITY Low-medium native ex cages area ha 1º 2º ind MAIN HABITATS and FEATURES RES NOT 7W 7W 7V 1. Tawa forest on steep colluvial slopes. 29.6 | 20.45 √ √ M M S 1. $| \sqrt{|} \sqrt{|}$ 2. Hard beech-black beech forest on weathered greywacke. 19.7 13.61: ✓ M HSI. $\sqrt{\sqrt{}}$ Ja. Windthrown beech forest. H H I M 0.7 0.48 11 3. Mahoe - mixed broadleaved spp. scrub on steep colluvial stopes. H M.I.M 1.3 0.9 in. Advanced makee - mixed broadleaved forest on steep colluvial slopes. 4.6 3.18 HHIM 4. Mahog -tutu-koromiko-rangiora scrub on very steep/bluffy colluvial slopes. 14.5 10.02 ✓ HMIM VV 5. <u>Malue</u> forest in gully. | 2.6 | 1.8 ✓ H M 1 M 6. Kamahi scrub and low forest on weathered greywacke spurs and colluvial slopes. 8.6 5.94 нинть 7. Mosaic of beech-tawa-kamahi forest on steep colluvial slopes. 10.5 7.25 √ HMIL V_{H-L-1-M} 8. <u>fanuka</u> - gorse scrub. 2.0 1.38 V_{H 1. 1 M} 9. Gorse scrub. 4.08 10. <u>Finus radiata</u> stands. √r. Lis M 1. Yawa forest up to 22m tall with occasional titoki and hinau and some kamahi at higher relevations. Some mature mahoe and tree fuchsia are present in gullies. A few remnant rimu, rata and miro trees are also present. The understorey is well developed (up to 5m tall), common species including kawakawa, rangiora, heketara, kanono and hangehange. The floor cover consists of litter, seedlings of canopy and understorey species, hook grass and ferns. This type includes small areas of younger, predominantly secondary tawa forest. Forest up to 20m tall containing hard and black beech. Kamahi occasionally in canopy and around margins of stands. Understorey predominantly silver tree fern, heketara, karamu, five finger, kamahi and mingimingi. Ground cover consists of litter, Metrosideros fulgens, crown fern and hound's tongue fern. Area 2a Windthrown area of beech has scrub 6-8m tall of kamahi, five finger, heketara, hinau mapou, mingimingi, Coprosma lucida and bracken. Occasional hard and black beech trees up to 15m tall are interspersed through the scrub. Mahoe dominated broadleaved scrub up to 6m tall. On the fault scarp above the motorway the main associated species are rangions and five finger. Occasional patches of gorse and bracken are present. There are small remnant stands of beech, each consisting of a few trees 3a as above but more advanced with species such as karamu, mamaku and hangehange becoming more prominent and the addition of emergent tree species such as rewarewa and hinau. Adjacent to the NZED access road/firebreak at the top of the reserve there are stands of gorse, cauhinu and manuka. Along the margin of this type Himalayan honeysuckle is very common. 100 69.09 CONDITION Overall good to very good with areas of secondary scrub and low forest regenerating well. FENCING Adequate. PRIORITY S/A. RATING 0-10 Virtual southern limit of beech on western side of the North Island. SCIENTIFIC \S . Scenic backdrops to residential area. RECREATION ...3. Walking track from Keith George Memorial Park passes through this reserve. CONCLUSIONS and RECOMMENDATIONS A valuable reserve containing two distinct, well developed forest types (tawa and beech) as well as areas of regenerating native scrub and forest. No obvious management problems are apparent although the reserve is under constant threat from frequent fires in gorse covered slopes to the north. The upper, western boundary should run along the line of the NZED access road, not below it as at present. hours ... Fine conditions DJC, MCW January 1964

? TREND: D deteriorating; S steady: I improving

NATURALNESS

MAIN HABITATS AND FEATURES (Continued)

- Also present are lemonwood, kowhai, Himalayan honeysuckle and grassy areas on bluffs with Poa anceps. This is a relatively recent slip area. Small stands of beech and tawa are also mapped in this type. 4.
- Forest up to 10m tall above a well developed upper understory of pate (up to 7-8m) above kawakawa and mahoe. Floor cover consists of litter and ferns such as hen and chicken fern and Lastreopsis glabella.
- 6. Secondary pole kamahi up to 10m tall with five finger and rewarewa. Understorey of mingimingi, heketara, hangehange, Gahnia pauciflora and Coprosma lucida. The floor consists of litter, Lycopodium volubile, hound's tongue fern. Areas of taller, older kamahi often contain senescent manuka.
- A mosaic of small remnant beech stands, tawa stands and forest containing kamahi, rewarewa, pigeonwood, hinau, putaputaweta, mahoe and mamaku. A disturbed area of mainly secondary forest at the head of the largest valley at the northern end of the reserve.
- Mature pine stands often with broadleaved scrub dominated by mahoe-rangiora-five finger on margins or areas where pines are self sown and hence trees are more widely spaced. 10.

REFERENCES

Druce, A.P. 1980. Indigenous vascular plants in Silverstream Bush, Hutt Valley. Unpublished Botany Division, D.S.I.R. Report. 5 pp.

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