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housing, transportation, recreation, employment, public works, and community services.

Encourage use of the many legal and planning tools available, such as development permit

areas, tree protection by-laws, and conservation covenants to protect sensitive ecosystems

sensitive ecosystems is a priority at all levels, and support plans and programs that will help

protect sensitive ecosystems. Encourage and facilitate the development and

sensitive ecosystems. For example, ratepayers' groups, service organizations, naturalist

clubs, land trusts, and conservancies often provide a link between local landowners and

voluntary stewardship programs. As a member of one of these groups, you can work

cooperatively with local governments to promote land use decisions that protect sensitive

A member of an advocacy group: contribute your time and expertise to help locate and protect

as described in the Conservation Manual (McPhee et al. 2000).

implementation of biodiversity conservation strategies.

disturbance such as windthrow, invasive species colonization, and increased light and A decision-maker (such as a politician or government manager): ensure that protection of remaining

ecosystems.

Acknowledgments

districts, local governments and industry.

Remnant and Riparian Assessments: Ron Buechert, Qualicum Beach, B.C.

Sensitive Ecosystems Inventories are a joint federal/provincial initiative of Environment Canada

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Conservation Trust Fund. SEI projects have also received support and funding from regional

Scale: 1:20,000

UTM Projection, NAD83

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Controlling land and water access to fragile ecosystems by using appropriate management tools

Controlling invasive species including plants, feral animals and pets by using active control methods

Himalayan Blackberry, Yellow Flag Iris, Purple Loosestrife and Spurge Laurel.

Allowing natural disturbances to occur because natural ecological functions are critical to the

such as fencing, trails, elevated boardwalks, railings, seasonal restrictions, signs and

such as hand clearing, pruning, mowing, excavation, animal fencing and planting of

appropriate native species, and discouraging plantings of Scotch Broom, English Ivy,

or rural use, roads, trail(s), recreation, agriculture or industrial use - over the past decade. The

awareness of the escalating loss of natural ecosystems and to encourage conservation of those that

Creating vegetated buffers around sensitive ecosystems to isolate the ecosystem from outside

livestock restrictions.

disturbed areas identified have been retained on the maps (see red hatched areas) to increase

The areas of disturbance were identified by digitally overlaying the original polygons (identified on air

photos taken primarily between 1990 and 1992) on more recent photographs taken in late July and

early August 2002 (AXYS 2004). In addition, the intact remnants of each altered polygon were

Results of this disturbance mapping showed that over 8,800 ha (11%) of the area occupied by the

nine SEI ecosystem types in the early 1990s had been disturbed by 2002. Over 1.480 ha of disturbed

area had originally been occupied by the seven sensitive ecosystems. Older forests had the highest

reviewed to determine if they still qualified for inclusion in the SEI (Buechert 2004).