

THE BOTANICAL GARDEN
THE UNIVERSITY OF BRITISH COLUMBIA
6501 NW MARINE DRIVE
VANCOUVER, B.C., CANADA
V6T 1W5

(604) 228-3928

Katherine Tye (Vedder Crossing)

Ref. No.:

409



Dr. Louise A. Goulet
Ecological Researves Coordinator
Ministry of Environment and Parks
4000 Seymour Place
Victoria, BC V8V 1X5

Dear Louise:

Attached is the Research Proposal formulated by Rose Klinkenberg for study of Cephalanthera austinae in Sky Meadows Ecological Reserve.

She has been in touch with Mr. May this morning and we will try to get out for an initial visit to the site very soon.

I am very pleased that Rose is doing a status report on the orchid and hopefully she can shed some light upon its current status in the province and how the sites may best be managed.

Thank you for your cooperation in this matter.

Sincerely yours,

A handwritten signature in cursive script that reads "Gerald B. Straley".

Gerald B. Straley, Ph.D.
Research Scientist



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Research Proposal for Sky Meadows Ecological Reserve

Biogeographical Study of the Phantom Orchid (*Cephalanthera austinae*) in British Columbia -- Leading to the Preparation of a COSEWIC status report.

As a part of an overall study of *Cephalanthera austinae* in British Columbia, leading to the production of a COSEWIC status report, we propose to conduct a survey of this species in Sky Meadows Ecological Reserve.

The data collected will include: population counts; number of flowering individuals; site description, including description of associated species; description of critical habitat; survey of similar adjacent habitat. This work is mainly descriptive and will require no collection of *Cephalanthera*, although photographs may be taken. Although not likely, some limited collection of associated species may be necessary. In addition, limited soil sampling will be carried out and potential pollinators may be collected. Similar survey work is anticipated in Cultus Lake Provincial Park.

Access to the site will be on foot and the researcher may be accompanied by the project director (Gerald Straley); local knowledgeable individuals (Ron Long or Stan Pavlov), and associated researchers Brian Klinkenberg or Bill Crins.

Ecological impact on the site should be minimal -- trampling and undue soil compaction will be avoided.

The proposed study will cover two flowering/fruitlet seasons -- in 1988 and 1989 -- and a final report is planned for the fall of 1989. Specific visits to this site will be at most 3 -- to assess flowering, fruiting, and seasonal habitat changes.

This study is being carried out under the direction of Dr. Gerald Straley, UBC Botanical Garden.

If at all possible, informal telephone approval for an initial site visit in the next two weeks would be appreciated.

Rose Klinkenberg
Project Researcher