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Title

THE PHYTOPLANKTON OF SPIDER LAKE, VANCOUVER ISLAND

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FLAGELLATAE

Dinobryon stipitatum Stein

Peridineae

Olenodinium pulvisculus Stein

Peridinium willei Huitf. Kaas

Ceratium cornutum Clap & Lachm

Ceratium curvirostre Huitf.-Kaas

Ceratium hirundinella O.F.M.

MYXOPHYCEAE

Chroococcus turgidus (Kütz.) Näg.

" limneticus Lemm.

Coelosphaerium Kützingianum Näg.

Merismopodium tenuissimum Lemm.

Arthrospira Jemeri (Kütz.) Stienb.

Nostoc Kihlmani Lemm.

Tolypothrix tenuis Kütz.

Stigonema pameforme (Agd) Kirch.

Ceolothrix parietina (Näg.) Thuret.

BACILLARIACEAE

*Tabellaria flocculosa* (Roth) Kütz.

*Epithemia turgida* (Shr.) Kütz.

*Epithemia zebra* (Ehr.) Kütz.

*Hantzschia amphioxys* (Ehr.) Grun. var. *elongata* H.V.H.

*Hitschia sigma*, W.Sa.

*Suriella elegans* Ehr.

*Amphora ovalis* Kütz.

*Staureonis Phoenicenteron* Ehr.

*Navicula major* Kütz.

" *viridis* Kütz.

*Gomphonema acuminatum* Ehr. var. *coronatum* H.V.H.

CHLOROPHYCEAE

ISOKONTAE

- Pandorina morum* (O.F.M.) Bory  
*Eudorina elegans*, Ehr.  
*Gleocystis infusionum* Schrank;  
*Tetraedron regulare* Kütz.  
*Selenastrum acuminatum* Lagerh.  
*Kirchneriella obesa* W & G.S. West,  
*Scenedesmus denticulatus* Lagerh.  
" *quadricauda* (Turp.) Breb.  
*Crucigenia rectangularis* (Näg) Gay,  
" *quadrata* Morren,  
*Coelastrum cambricum* Archer,  
*Charecium ambiguum* Herman,  
*Pediastrum Boryanum* (Turp.) Menegh.

AKONTAE.

- Zygnema* sp. sterile  
*Penium margaritaceum* (Ehr.) Breb.  
*Closterium Archerianum* Cleve,  
" *intermedium* Ralfs,  
*Pleurotaenium coronatum* (Breb.) Raben.  
" *Ehrenbergii* (Breb.) De Bary.,  
one with endophytic fungus.  
*Euastrum denticulatum* (Kirchn.) Gay,  
" *Didelta* (Turp.) Ralfs,

*Microsterias oscitans* Balfs,

" *radiata* Hass

*Cosmarium Cucurbita* (Corda) Balfs,

" *granatum*, Breb.

" *moniliforme* (Turp.) Balfs,

" *moniliforme* (Turp.) Balfs, forma *Panduriformis*  
Heimerl.

" *pseudocannatum* Nordst.

" *quadrum* Lund.

*Xanthidium antilopaeum* (Breb.) Kütz. var. *polymarzon*, Nordst.

" *subhastiferum* W. West,

*Arthrodesmus Incus* (Breb.) Hass.

*Staurostrum Arcticon* (Ehr.) Lund.

" *telifreum* Balfs,

" *muticum* Breb.

" *orbiculare* Balfs,

" *paradoxum* Meyen,

" *Sebaldii* Reinsch var. *ornatum* Nordst,

" *vestitum* Balfs,

" *dilatatum* Ehr.

#### Heterokontae

*Botryococcus Braunii* Kütz

*Ophiocytium* sp.?