# British Columbia Ecological Reserves fonds

Compiled by John Moran (2020)

**University of British Columbia Archives** 





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## **Fonds Description**

British Columbia Ecological Reserves fonds. – [195-]-1993.

2.61 m of textual records.

ca. 190 aerial photographs: b & w; 25 x 25 cm.

#### **Administrative History**

An Ecological Reserve is an area of Crown land (public land) with the most special conservation designation within the British Columbia Protected Areas system. The purposes of the reserves are for scientific research, the establishment of benchmark areas to measure changes in ecosystems, protection of biological diversity, protection of rare and endangered organisms, and the preservation of unique, unusual or outstanding natural phenomena. In the 1960s and `70s, Canada participated in a decade of research known as the International Biological Program (IBP); this involved the description of essential sites on standard international check-sheets. In some cases, check-sheets are the only source of information for many ecological reserves. The British Columbia Ecological Reserves Act passed in 1971; this meant that BC became the first Province in Canada to give permanent protected status to ecological reserves. The Province has the world's most comprehensive ecological reserves program, as of 2015, there are 148 ecological reserves in BC.

University of British Columbia Professor Vladimir Joseph Krajina (1905-1993) advocated for the formation of ecological reserves throughout the 1950s amidst the increase in logging in the Province. Krajina had a remarkable life having emigrated after World War II from Czechoslovakia, where he had been a leader of the Intelligence Service. During the war, he was captured, served time with his wife in a concentration camp and narrowly missed execution. After the war, Krajina joined the UBC Botany Department, where he taught plant ecology for over twenty years and developed a reputation as a distinguished teacher, botanist, ecologist, and conservationist.

Krajina argued for ecological reserves, emphasizing during debates on the reserve concept, "They [the ecological reserves] serve as genetic banks of paramount importance which accomplish a 'museum function.' Distinctive, large, heterogeneous, natural gene pools of different organisms and especially indigenous trees are an irreplaceable resource." In 1968, in BC, as a result of Krajina's work, the Ecological Reserves Committee was formed to advise on the selection of potential reserve sites to preserve in British Columbia.

<sup>1</sup> Reflections on the life, work, and times of Vladimir Joseph Krajina, MOHAN K. WALI State University of New York College of Environmental Science and Forestry, Syracuse, NY 13210, U.S.A. p. 2614.

On May 4, 1974, the first 29 reserves received protective status by Order-in-Council, a conservation landmark. In 1974, a fulltime ecological reserve coordinator was hired, and a volunteer warden program was put into effect in 1980.

#### **Custodial History**

The records were donated to UBC Archives by Professor Iain Taylor, from the Department of Botany. Before falling into Professor Taylor's custody, the records had been stored at the UBC Botanical Gardens and the Department of Botany. Professor Krajina's secretary, Mrs. Svoboda, kept meticulous order to manage the ecological reserve applications; this order was restored as much as possible during physical rearrangement. There were many photocopied duplicate copies of the ecological reserve application reports made by Mrs. Svoboda. Where possible only the original versions of the applications are retained.

#### Scope and Content

The fonds consist of reports from field surveyors submitted as applications to designate areas in British Columbia for protection. The fonds also contains supporting records relating to the wider Ecological Reserve program and include correspondence, progress reports, presentations, memorandums, lectures, briefs, surveys, "dead applications," news clippings, Orders of the Lieutenant in Council, pamphlets, check sheets, aerial photographs, park proposals, handwritten notes, and meeting minutes. Also included is a small series of records relating to Vladimir Krajina, including; general correspondence, curriculum vitae, a list of publications, articles, newspaper clippings, notes, a legacy biography and obituary.

The archivist restored the original order where it was definitive. However, Ecological Reserve Applications 1-39 can be found scattered throughout the supporting records series. The original record keeper appears to have created a filing system beginning at the Ecological Reserve Application 40 (Petitot Rivers).

#### **Notes**

Recordings of a series of lectures by Vladimir J. Krajina from September 1975, on the Biogeoclimatic Zones of British Columbia are available here.

No further accruals are expected. A file list is available.

## **Series Descriptions**

#### **Ecological Reserves Applications.** – 1973-1983

1.41 m of textual records.

The application reports include the hand written report taken in the field; they also include a typed and signed version of the report and maps. On occasions, the IBP check sheet is present along with correspondence related to the site. Each ecological reserve application file is not always complete, in some, the hand written field reports are missing and in others, the typed reports are unsigned. Application reports for ecological reserves number from report 40 through to report 367. Reports and check sheets on ecological reserves 1-39 are found throughout the records in the supporting records series. The **file list** below provides the geographic location of each report. These reports are arranged in chronological order, however, not all reports are present, missing report numbers include 89, 91, 263, 298-300, 314 & 330. Boxes: 1-3

#### **Ecological Reserves Supporting Records.** – [195-]-1990

1.04 m of textual records.

ca. 190 aerial photographs: b&w; 25 x 25 cm.

Series includes records relating to the selection and confirmation of ecological reserves in BC. The records present in this series include correspondence, memorandums, meeting addresses, lectures, briefs, surveys, reports, "dead applications", news clippings, Orders of the Lieutenant in Council, booklets, pamphlets, programs, check sheets, aerial photographs, park proposals, handwritten notes, and meeting minutes. Some of the reports in this series address the progress of the Ecological Reserve program in BC. Boxes: 4-8

#### Vladimir Krajina Records. – 1951-1993

16 cm of textual records.

The Vladimir Krajina records series consists of Curriculum Vitaes, a list of publications, articles, correspondence, a letter of reference, newspaper clippings, notes, a legacy biography and obituary. The correspondence is principally in relation to Krajina's responsibilities as a professor at UBC but a letter is present which references prison sentences of associates in 1979. Another letter, is a photocopy from the Canadian prime ministers office addressed to Krajina dated 1977. Boxes: 9-10

# File List

## **Ecological Reserves Applications Series**

### Box 1

[Ecological Reserve Applications prior to application report 40 are located throughout the supporting records series, Applications 1-4 & 8 do not appear to be present.]

1-40	[Report No. 40] Petitot Rivers
1-41	[Report No. 41] Jackfish Creek
1-42	[Report No. 42] Fort Nelson River
1-43	[Report No. 43] Stone MTN. P.P.
1-44	[Report No. 44] Big White Mountain
1-45	[Report No. 45] [Top of the World, Kootenay Ranges near Fort Steele BC]
	[[1970]
1-45	E.R. No. 45 [Port Chanal]
1-46	[Report No. 46] [Mount Sabine, north of Canal flats BC]
1-47	[Report No. 47] [McClean Peak]
1-48	[Report No. 48] [East side of Columbia Lake at the trail toward Mt. Sabine]
1-49	[Report No. 49] [Proctor Lake, Flathead Valley]
1-50	[Report No. 50] Perry Creek Area
1-51	[Report No. 51] [Wells Gray Provincial Park]
1-52	[Report No. 52] [Blue River]
1-53	[Report No. 53] Skagit River Valley
1-54	[Report No. 54] [Ross Lake Ponderosa Pine Forest]
1-55	[Report No. 55] Tranquille Area [near Kamloops, BC]
1-56	[Report No. 56] [Batchelor Range] [1971]
1-56	[Report No. 56] [() from Kamloops to Lac du Bois] [197-]
1-57	[Report No. 57] [Moore Islands, Whitmore Islands, McKenney Islands ()]
1-58	[Report No. 58] [Dedney, Glide Islands, Estevan group]
1-59	[Report No. 59] [Barkley Sound] Vancouver Island
1-60	[Report No. 60] [Akamina Brook, Kishinena Creek Area]
1-61	[Report No. 61] [Hesquiat, West Coast Vancouver Island]
1-62	[Report No. 62] [Lytton Thompson River] [Correspondence]
1-63	[Report No. 63] [Whipsaw Creek, Princeton]
1-64	[Report No. 64] [Evans Lake]
1-65	[Report No. 65] [The drainage basin of Lew Creek ()]
1-66	[Report No. 66] [The drainage basin of Hamill Creek ()]
1-67	[Report No. 67] [Wap Lake]

1-68	[Report No. 68] [Teresa Island and Copper Island]
1-69	[Report No. 69] [Small Creek Drainage System]
1-70	[Report No. 70] [Horsey Creek, McBride, BC]
1-71	[Report No. 71] [Sunbeam Creek, McBride, BC]
1-72	[Report No. 72] [Stum Lake near Williams Lake, BC]
1-73	[Report No. 73] [Westwick Lake, 10 miles SW of Williams Lake]
1-74	[Report No. 74] [Beecher's Prairie, near Riske Creek] [Application for
	Ecological Reserve]
1-75	[Report No. 75] [Tacheeda Lakes]
1-76	[Report No. 76] [MacKenzie, BC; Misinchinka Range]
1-77	[Report No. 77] [Makinnon Esker Reserve Proposal]
1-78	[Report No. 78] [Fort Nelson Tamarack Fen and Sand Dunes]
1-79	[Report No. 79] [Hunters Range Proposal, Near Mabel Lake, B.C.]
1-80	[Report No. 80] [Coglistiko River and Bazaeko River]
1-81	[Report No. 81] [Sikanni Chief Headwaters, Fort Nelson]
1-82	[Report No. 82] [Murray Range]
1-83	[Report No. 83] [Mara BC]
1-84	[Report No. 84] Osoyoos; Hayne's Lease
1-85	[Report No. 85] [Osoyoos: Field's Lease]
1-86	[Report No. 86] [Good Hope Mountain – Franklyn Arm of Chilco Lake]
1-87	[Report No. 87] [Upper Shuswap River Valley, 13 miles east of Mabel lake]
1-88	[Report No. 88] Vance Creek
Report 8	9 is not present
1-90	[Report No. 90] Takla Lake West Shore
Report 9	1 is not present
1-92	[Report No. 92] Climax forest – between Tsusiat, Hobiton and Squalicum
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1-93	[Report No. 93] Cheewhat Lake [Application for Ecological Reserve]
1-94	[Report No. 94] Douglas-fir stands above Nitinat Lake [Application for
	Ecological Reserve]
1-95	[Report No. 95] Hill above Apodaca Provincial Park [Application for
	Ecological Reserve]
1-96	[Report No. 96] Gitnadoix River Valley and Alastair Lake between Terrace
	and Prince Rupert]
1-97	[Report No. 97] [Khutzeymateen River Valley]
1-98	[Report No. 98] Skincuttle
1-99	[Report No. 99] [Goosegrass Creek Drainage Basin]
1-100	[Report No. 100] [North Queest Mountain]
1-101	[Report No. 101] [Situated within the Ilgachuz Range, 20 miles north of
	Anahim Lake]

1-102	[Report No. 102] Cougar Canyon
1-103	[Report No. 103] Rimrocks
1-104	[Report No. 104] [Bonneau Lake and Denison Lake]
1-105	[Report No. 105] [Otter Lake]
1-106	[Report No. 106] [Drizzle Lake]
1-107	[Report No. 107] [Boulton Lake]
1-108	[Report No. 108] [Mayer Lake]
1-109	[Report No. 109] [South of Parker Lake, near mile 308 of the Alaska
	Highway]
1-110	[Report No. 110] [sumas Mountain]
1-111	[Report No. 111] [Tsitika River Drainage]
1-112	[Report No. 112] Browne Lake
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          Lake road (...)]
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4-2	Six Artic Wilderness Areas [Communiques]
4-3	1974 Meeting Victoria Address
4-4	Eastern Half of Redonda Island [Application for Ecological Reserve]
	Amendment to Report #128 [includes a brief by Krajina to the Royal
	Commission on forest resources]
4-5	Report on Conservation Reserves in W. Australia section 2
4-6	A National System of E.R. [Ecological Reserves] for Canada [Report, 1974]
4-7	Alberta Ecological Survey 1978
4-8	Documents (copies) [Correspondence to Karjina from the Deputy Minister of
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4-10	Booklets and Pamphlets "Ecological Reserves"
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4-20	Applications for Eco. Reserves, E.R. #241, 246-257 [Report #254 is not present]
4-21	Ecological Reserves in Northern Canada
4-22	Programme Biologique International Section CT, 5 Octobre 1973
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4-24	Exposé Sur La Politique Foréstière, 1972
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4-27	Programme Biologique International Section CT, Avril 1972
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4-35	Proceedings of a Symposium, Equinox Magazine [1983]
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4-37	Le Gouvernement Du Québec [The Quebec E.R. Reserves Programme, May 22, 1976]
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5-21	[A Preliminary Study of the Environmental Impacts of the James Bay
	Development Project, 1971] [Report]
5-22	Memo [1972]
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7-42	Reports: 30-38 [Check Sheet (Mark VII) for Survey of IBP Areas, Copper Islands, Kerouard Islands, Soap Lake Area, White & Long Lakes, Cecil Lake,
7-43	Clayhurst, Tchaikazan River Valley, Lily-pad Lake, Lac du Bois, 1969] [Report 37][Check Sheet (Mark VII) for Survey of IBP Areas, Lily-pad Lake, 1969]
7-44	Lac du Bois 38 [Check Sheet (Mark VII) for Survey of IBP Areas, 1969]
7-45	M. North, Dr. Maze: Survey of Potential Ecol. Reserve
7-46	39 [Check Sheet (Mark VII) for Survey of IBP Areas, Mature Western Larch, Buck Hills road 1969]
7-47	64 [Evans Lake check sheet] [Check Sheet (Mark VII) for Survey of IBP Areas 1969]
7-48	[Guide to Ecological Reserves in British Columbia, 1988] [Includes correspondence, 1987]
7-49	[Jasper, handwritten research notes & maps]
7-50	PBI/ct-Québec Rapport 1969
7-51	Programme Biologique International, 8 Decembre 1971
7-52	Notes Krajina
7-53	Paper, List of Research Projects [Correspondence] [1972-1987]
7-54	Natural Areas in Saskatchewan, IBP-CT, November 1972
7-55	Info. for Nav [sic] Proposals
7-56	Orders of the Lt. Governor, 1989
7-57	Proposal [A Proposal to Establish a System of Ecological reserves in the Province of Manitoba Including Specific Site Recommendations, 1972]
7-58	Memos [Activities of Associate Committees 1975-76] [1972-1983]
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8-15	E.R. Proposals Smithers, BC
8-16	Minutes of Annual Meetings, 1966-1972
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8-18	IBP Mid-term Report, 1971
8-19	List of Reports and Publications for E.R. [1977-1986] [Includes Squamish
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8-20	[Ecological Reserves, 1971-73]
8-21	Canadian Council on Ecological Areas, General Meetings, Meeting Lists, 1982
8-22	Background Paper, Biosphere reserves article, research on E.R. [1982]
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9-2	Booklets [1952-1967]
9-3	[Public Hearing Brief, Ecosystem Perspectives in Forestry, Precis on
	Solifluction by Paul Barrett, Land Use and Nature Conservation, Symposium presentation, 1968-72]
9-4	[Botanical journals, magazines, and 1971 Progress Report, 1959-81]
9-5	Krajina, Vladamir [History of Ecological Reserves in BC, Physiological Ecology of forest trees, Misc. forestry / botany articles [1965-71], Galley proofs from Vegetatio volume 26, 1971]
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10-1	Krajina V.J. [Articles, correspondence, obituary 1965-1993]
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10-4	[Botany articles, correspondence, newspaper printouts, 1951-74]
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