MACROFUNGI
OF
LA BUTTE CREEK,
FIDLER-GREYWILLOW AND
COLIN-CORNWALL
WILDLAND PROVINCIAL PARKS

PREPARED FOR:
ALBERTA COMMUNITY DEVELOPMENT
PARKS AND PROTECTED AREAS DIVISION

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JANUARY 2003

Executive Summary

During 2001 and 2002 a project to collect and identify the macrofungi of La Butte Creek, Fidler-Greywillow and Colin-Cornwall Lakes Wildland Provincial Parks, in northeastern Alberta was undertaken. This project was part of a greater biophysical investigation carried out by Parks and Protected Areas' staff, and volunteers from a variety of scientific backgrounds.

The fungi found belong to three major groups; the Ascomycota (cup fungi), Basidiomycota (mushrooms, rusts, smuts, etc.) and Myxomycota (slime molds).

One hundred of the 156 species documented through this study have been previously recorded as occurring in Alberta. Valid Alberta records have yet to be found for the remaining 56 species. Also two species discovered (*Gloeophyllum abietinum* and *Myriosclerotinia caricic-ampullaceae*) are reportedly rare in North America.

This report may be cited as:

Richards, W. M. and D. M. Murray. 2002. Macrofungi of La Butte Creek, Fidler-Greywillow and Colin-Cornwall Lakes Wildland Provincial Parks, Alberta. Prepared for Alberta Community Development, Parks and Protected Areas Division, Edmonton, Alberta.

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Introduction

During July 2001 and July 2002 fieldwork was undertaken by staff of Parks and Protected Areas Division of Alberta Community Development, and volunteers from a variety of scientific backgrounds. The purpose of the fieldwork was to collect baseline biophysical information in three recently established protected areas in northeastern Alberta. As part of this study, the collection and identification of the macrofungi of La Butte Creek, Fidler-Greywillow and Colin-Cornwall Lakes Wildland Provincial Parks (see Map 1) was conducted. This paper represents a snapshot of the mycological flora of these sites, and by no means comprises a definitive listing of fungi for these areas.

These parks are primarily within the Kazan Upland Sub-region of the Canadian Shield Natural Region in northeastern Alberta. La Butte Creek Wildland Provincial Park contains diverse areas of wetland complexes and Precambrian shield outcrops. La Butte Creek itself is a large stream draining from the Kazan Upland. A small portion of the park is bordering on the Slave River in the Peace River Lowland Sub-region.

Fidler-Greywillow Wildland Provincial Park contains one of the most diverse sections of the north shore of Lake Athabasca in Alberta. It has extensive sandy beaches, beach ridges and bedrock outcrops. This area contains the best exposure of Athabasca Sandstone outcrops in the region and has plant species not found south of Lake Athabasca. The park also incorporates a number of islands, including Bustard Island, the largest island in the province.

Colin-Cornwall Lakes Wildland Provincial Park contains diverse areas of wetland complexes and Precambrian shield outcrops. The park is primarily within the Kazan Upland Sub-region.

Methods

Observations and collections were limited to the macrofungi. Macrofungi form “fruiting bodies” that are visible to the naked eye and are generally greater than 1 cm in diameter (Redhead 1997). These fruiting bodies are the mushrooms, toadstools and puff-balls that are commonly perceived by the public as “mushrooms”. Both terrestrial and arboreal fungi were collected. Fungi were searched for at the microhabitat level (Redhead and Berch 1997), where searches included such habitats as: woody plants (living trees and shrubs); shed bark; leaf and needle litter; coarse woody debris (dead trees, standing or fallen); beaches and shorelines of lakes, wetlands and creeks; bogs; soil; burn sites and other areas of organic accumulation.

Flying squirrel and other rodents include truffle and secotioid fungi in their diet (Zabel and Walters 1997 & Currah *et al* 2002). For this reason subterranean searches for truffle and false truffles were undertaken at all locations where evidence of rodent digging was noted. This search required scraping and sifting through a large quantity of duff using a three prong garden fork. Searches were restricted to the humus layer and covered an area approximately 40 cm square, which centered on the rodent’s original excavation.

As specimens were collected they were placed in numbered and labeled waxed paper bags. Notes on habitat, species name or family (if known); and specimen and spore colour were included. Where spore colour was not readily discernible but required for identification, an

attempt to acquire a spore print was made by placing the specimen on white paper before depositing it in the waxed bag.

Map 1. Locations of Fidler-Greywillow, La Butte Creek and Collin-Cornwall Lakes Wildlands

Scientific names are based on current nomenclature. Different references were used to identify the different groups of fungi as follows: Brandrud *et al.* (1990,1992, 1994,1998) was used for *Cortinarius*; Overholts (1967) and Gilbertson and Ryvarden (1986-1987) for the polypore groups; Martin and Alexopolos (1969) for the *Myxomycetes*; Smith *et al* (1979) and Kauffman (1918) for the *Agarics*; and Moser (1983) for *Polyporales*, *Boletales*, *Agaricales*, and *Russulales*. In addition several important works were used as general identification guides, these include: Arora (1986), Philips (1991), Pomerleau (1980), Smith *et al* (1981), Walters *et al* (1981, 1986, 1991, 1995). Names noted with *cf. (conferre)*, compare with the species noted but because of the presence (or lack) of a feature during the keying process, a definitive naming could not be made at this time. Where possible, tentative identifications were made in the field, but all specimens were submitted for verification or identification (Schulz 2002).

Results

A complete list of the species found at each park is presented in the appendices. Table 1 contains a summary of the number of species and genera encountered for each park.

Table 1. Numbers of genera represented and species of macrofungi that were collected in three parks.

Park	Number of Genera	Number of Species
La Butte Creek	55	85
Fidler-Greywillow	32	64
Colin-Cornwall Lakes	42	61
Total	129	156

The fungi found belong to three major groups; the Ascomycota (cup fungi), Basidiomycota (mushrooms, rusts, smuts, etc.) and Myxomycota (slime molds). See Appendix 1 for a complete listing of species within these groups. The Ascomycetes are represented by five families with a total of nine species. The Basidiomycetes are represented by 25 families and contain a total of 143 species. The slime moles are represented by three families, each with one species.

Various sources were checked for previous occurrences of fungi in Alberta. One hundred of the 156 species documented by this study have been noted by various authors as occurring in Alberta. These authors include: Abbott 1987, 1989, and 1990; Abbott and Currah 1989; Baranyay 1968; Bradbury 1998; Calgary's Natural Areas 1980; Danielson 1984; Gilbertson 1981; Gilbertson and Ryvarden 1986-1987; Kernaghan and Currah 1998; Larsen and Denison 1978; Lawrence and Hiratsuka 1972; Paul and Etheridge 1958; Redhead 1988 and 1989; Robinson-Jeffrey and Loman 1963; Schalkwijk 1975 & 1989; Schalkwijk-Barendsen 1991 & 1991a; Thomas *et al.* 1960; and Traquair 1980. These authors were the first to report a particular species as occurring in Alberta. Valid Alberta records have yet to be found for the remaining 56 species.

Few species were abundant in any of the parks or in any habitat. *Collybia dryophila* (Bull.:Fr) Kum. within the Family Tricholomataceae was represented at each park, occurring a total of 15 times, and were the most common fungi at La Butte Creek with 10 occurrences. There was a total of 28 species represented within the Tricholomataceae and 31 within the Family

Polyporaceae. The Family Cortinariaceae had 36 species recorded. There were 90 species encountered only once during this study.

No truffles (in the Family Tuberaceae) or false truffles (in the Family Rhizopogonaceae) were discovered in the process of searching rodent dig sites. However, at several locations small gelatinous globules resembling false truffles were discovered. These globules were later determined to be egg sacks of an undetermined spider species.

Discussion

No Alberta records have been found for 56 (35.8%) of the species collected in this study. This number of new records for the province is suspected to be high, as no systematic search of herbaria was made, nor have all written reports been reviewed.

Only the microfungi of Alberta are fully recorded in checklist format (Sigler and Flis 1998). Checklists for the macrofungi have not yet been completed.

Virtually nothing is known of the relative status of any fungi species in Alberta, however two species found in the present study are considered rare. *Gloeophyllum abietinum* (Fr.) Karst., is considered “a very rare species in North America” and is known from Arizona, (Gilbertson and Ryvarden 1986-1987). Murrill (1908) describes the synonymous *G. abietinellum* Murr. as being known only from the Rocky Mountains. There was but one specimen collected during this study; it was obtained from Fidler-Greywillow from dead black spruce.

Schalkwijk-Barendsen (1991) reports *Myriosclerotinia caricic-ampullaceae* (Nyberg.) N.F. Buchw as a “rare, subarctic species”. This species has been collected twice (1976 and 1977) at the same location near Winterburn, Alberta. Both prior collections were from sedge as was the present collection from Colin-Cornwall Lakes. As the Schalkwijk-Barendsen collections were believed to be the first report of *M. caricic-ampullaceae* in northwestern North America, these collections were deposited at both the Herbarium (ALTA), University of Alberta, Edmonton, and at the National Mycological Herbarium (DAOM) Ottawa, Ontario (Schalkwijk-Barendsen 1991).

Summary

The total number of species collected in the three parks was minimal as was the number of specimens within each species. There were two main reasons for this:

- Weather conditions leading up to the field surveys had been extremely dry, not just for weeks but for the last several seasons.
- The sample period was restricted in all cases to the dry, midsummer season, which is typically slow in the fruiting of fleshy fungi. Thus, most specimens were obtained from woody substrates or along wetland margins.

The sample period for each location was short and not repeated. According to Redhead and Berch (1997), "all possible sites and microhabitats within these sites must be examined repeatedly as seasons progress". Repeated visits to these remote sites were not, however, possible.

Of the 156 species of fungi documented, 35.8 % (56 species) were not previously reported for Alberta. The number of apparently new species is high, and probably related to the following factors:

- No systemic review of herbaria was done for fungi;
- Fungi are not often included in biophysical studies, so are under-reported.
- A thorough review of the literature pertaining to fungi in Alberta was not completed.

In Alberta, the macrofungi species have not been ranked for "rarity", however:

- Two species collected during this study are considered rare: *Gloeophyllum abietinum*, (Gilbertson and Ryvarden 1986-1987) and *Myriosclerotinia caricic-ampullaceae*, (Schalkwijk-Barendsen 1991).
- Other species may also be rare, but that is impossible to substantiate at this time due to lack of information.

Fungi are one of the most important groups of organisms on the planet. They are responsible for most of the recycling of organic material back to the soil in a form that can be reused by other organisms. Fungi are vitally important for the growth of trees and most other plants, through mycorrhizal association. Currah and Van Dyk (1986) have, in one study, documented mycorrhizal association with 179 species of perennial plants native to Alberta.

Recommendations

There is a lack of knowledge of the macrofungi in Alberta. More time and research need to be devoted to understanding this group of organisms in the province.

These needs can be achieved by the following two steps:

1. Compile all known records from the existing literature for macrofungi within Alberta (Appendix 5 contains a partial list).
2. Compile all herbarium records for collections of macrofungi in Alberta.

Once these have been accomplished, provincial-wide surveys should be instituted. At a minimum, fungi investigations should be a part of all future biophysical assessments within the province. This will provide a starting point on which to base status assessments of the various species.

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Division	Subdivision	Class	Order	Family	Species	Previous Alberta Record
				Boletaceae		
					<i>Leccinum insigne</i> Smith	Abbott (1989)
					<i>Leccinum scabrum</i> (Fr.) S. F. Gray	Abbott (1989)
				Coprinaceae		
					<i>Coprinus hemerobius</i> Fr.	
					<i>Coprinus lagopoides</i> Karst.	Schalkwijk (1989)
					<i>Coprinus micaceus</i> (Bull.:Fr.) Fr.	Thomas et al (1960)
					<i>Coprinus truncorum</i> (Scop.) Fr.	Schalkwijk-Barendsen (1991)
					<i>Psathyrella cf. gracilis</i> (Fr.) Quél.	
					<i>Psathyrella cf. phogophila</i> Romagn.	
					<i>Psathyrella cf. velutina</i> (Fr.) Singer	Schalkwijk-Barendsen (1991)
					<i>Psathyrella subnuda</i> (Karst.) A. H. Smith	Schalkwijk-Barendsen (1991)
				Cortinariaceae		
					<i>Cortinarius armillatus</i> (Fr.) Fr.	Danielson (1984)
					<i>Cortinarius brunneus</i> var. <i>grandicolor</i> (Fr.:Fr.) Lindstr. & Melot ¹	Kernaghan and Currah (1998)
					<i>Cortinarius cf. casimiri</i> (Velen) Huijsman	
					<i>Cortinarius cf. huronensis</i> Ammirati & Smith	
					<i>Cortinarius cf. jubarinus</i> France:DM	
					<i>Cortinarius cf. privignus</i> Fr.	
					<i>Cortinarius cf. raphanoides</i> (Fr.) Fr.	
					<i>Cortinarius cf. vesperinus</i> (Fr.:Fr.) Fr.	
					<i>Cortinarius citrinifolius</i> Smith	
					<i>Cortinarius helobius</i> Romagn.	
					<i>Cortinarius mucosus</i> (Bull. Ex Fr.) Fr.	Schalkwijk-Barendsen (1991)
					<i>Cortinarius obtusus</i> (Fr.:Fr.) Fr.	Bradbury et al (1998)
					<i>Cortinarius trivialis</i> Lange	Schalkwijk-Barendsen (1991)
					<i>Crepidotus ellipsoideus</i> Hes. et Smith	Schalkwijk-Barendsen (1991)
					<i>Crepidotus mollis</i> (Fr.) Side.	Traquair (1980)
					<i>Dermocybe cinnamomobadia</i> (R. Hry.) Mos.	Schalkwijk-Barendsen (1991)
					<i>Dermocybe uliginosa</i> (Berk.) Mos.	Schalkwijk-Barendsen (1991)
					<i>Galerina cinctula</i> Orton	
					<i>Galerina hypnorum</i> (Schränk ex Fr.) Kuehn.	
					<i>Galerina mniophila</i> (Lash.) Kuhn.	
					<i>Galerina paludosa</i> (Fr.) Kuhn.	Redhead (1989)
					<i>Gymnopilus cf. humicola</i> Harding ex Singer	
					<i>Hebeloma cf. longicaudum</i> (Fr.) S. S. Lge	
					<i>Hebeloma cf. velatum</i> Peck.	
					<i>Inocybe cf. calamistrata</i> (Fr.) Gill.	

Division	Subdivision	Class	Order	Family	Species	Previous Alberta Record
					<i>Inocybe cf. fastigata</i> (Schaeff.); Qué!l	Schalkwijk-Barendsen (1991)
					<i>Inocybe cf. frigidula</i> Favre	
					<i>Inocybe cf. gymnocarpa</i> Kuehn	
					<i>Inocybe cf. petiginosa</i> (Fr.: Fr.) Gillet.	Schalkwijk (1989)
					<i>Inocybe lacera</i> (Fr.) Kummer	
					<i>Inocybe mixtilis</i> Britz.	Schalkwijk-Barendsen (1991)
					<i>Inocybe</i> sp. infected with <i>Cladosporium</i> sp	
					<i>Tubaria furfuracea</i> (Pers. ex Fr.) Gillet	Schalkwijk-Barendsen (1991)
					<i>Tubaria hiemalis</i> Romagn. Ex Bon.	
					<i>Tubaria pellicida</i> (Bull. Ex Fr.) Gill.	
					<i>Tubaria romagnesiana</i> Arnolds	
				Entolomataceae		
					<i>Rhodocybe caelata</i> (Fr.) Mre.	
				Hygrophoraceae		
					<i>Hygrophorus</i> sp.	
				Paxillaceae		
					<i>Hygrophoropsis aurantiaca</i> (Wulf. ex Fr.) Maire	Schalkwijk-Barendsen (1991)
				Pleurotaceae		
					<i>Pleurotus ostreatus</i> (Jacq. ex Fr.) Singer	Schalkwijk-Barendsen (1991)
				Pluteaceae		
					<i>Pluteus cervinus</i> (Schaeff.) Kumm.	Traquair (1980)
					<i>Pluteus pestatus</i> (Fr.) Gillet	Schalkwijk (1989)
				Russulaceae		
					<i>Lactarius cf. obscuratus</i> (Lasch) Fr.	
					<i>Lactarius fragilis</i> (Burmingham) Hesler & Smith	
					<i>Russula cf. maculata</i> Qué!l. et Roz.	
					<i>Russula emetica</i> (Schaeff. Ex Fr.) S. F. Gray	Schalkwijk-Barendsen (1991)
					<i>Russula fragilis</i> (Pers. ex. Fr.) Fr.	Schalkwijk-Barendsen (1991)
					<i>Russula vesca</i> Fr.	
				Strophariaceae		
					<i>Kuehneromyces lignicola</i> (Peck.) Redhead	Schalkwijk (1989)
					<i>Pholiota spumosa</i> (Fr.) Sing.	Abbott (1990)
				Tricholomataceae		
					<i>Armillaria mellea</i> (Vahl ex Fr.) Karsten	Paul and Etheridge (1958)
					<i>Clitocybe truncicola</i> (Pk.) Sacc.	Schalkwijk-Barendsen (1991)
					<i>Collybia confusa</i> Orton	Schalkwijk-Barendsen (1991)
					<i>Collybia dryophila</i> (Bull.:Fr.) Kum.	Abbott (1990)
					<i>Collybia marasmioides</i> (Britz) Bresinsky & Romagn	

Division	Subdivision	Class	Order	Family	Species	Previous Alberta Record
					<i>Fayodia pseudoclusilis</i> (Joss. & Konr.) Sing.	
					<i>Hemimycena gracilis</i> (Quél.) Sing.	Schalkwijk-Barendsen (1991)
					<i>Hygrocybe cantharellus</i> (Schw.) Mull.	Schalkwijk (1989)
					<i>Hygrotrama cf. hymenocepalum</i> (Sm. & Hesl.) Sing.	
					<i>Laccaria laccata</i> (Scop.: Fr.) Berk. & Br	Traquair (1980)
					<i>Laccaria proxima</i> (Boud.) Pat.	Danielson (1984)
					<i>Lentinus lepideus</i> (Fr. ex Fr.) Fr.	
					<i>Lentinus sulcatus</i> Berkeley	Calgary's Natural Areas (1980)
					<i>Leptista</i> (=Clitocybe) sp.	
					<i>Marasmius pallidocephalus</i> Gillam	Traquair (1980)
					<i>Marasmius scorodoni</i> (Fr.) Fr.	
					<i>Marasmius strictipes</i> (Pk.) Singer	Schalkwijk-Barendsen (1991)
					<i>Mycena cf. citrinomarginata</i> Gillet	Schalkwijk-Barendsen (1991)
					<i>Mycena cf. galopus</i> (Pers.:Fr.) Kumm.	
					<i>Mycena cf. stipata</i> M. Geest & Schwobel	
					<i>Mycena filipes</i> (Bull.:Fr.) Kummer	
					<i>Mycena leucogala</i> (Cooke) Sacc.	
					<i>Mycena stannea</i> (Fr.) Quélét	Schalkwijk-Barendsen (1991)
					<i>Omphalina ericetorum</i> (Fr.) M. Lange	Traquair (1980)
					<i>Omphalina pyxidata</i> (Bull. Ex Fr.) Quél.	
					<i>Oudemansiella longipes</i> (St. Ann.) Moser	
					<i>Phyllotopsis nidulans</i> (Fr.) Singer	Schalkwijk-Barendsen (1991)
					<i>Xeromphalina fraxinophila</i> Smith	Redhead (1988)
			Aphyllophorales			
				Corticiaceae		
					<i>Peniophora</i> sp.	Abbott (1987)
					<i>Plicaturopsis crispa</i> (Fr.) Reid.	Bradbury (1968)
				Ganodermataceae		
					<i>Gandoderma applanatum</i> (Pers.) Pat.	Bradbury (1968)
				Hydnaceae		
					<i>Sarcodon scabrosus</i> (Fr.) Karst	Abbott (1990)
				Hymenochaetaceae		
					<i>Coltricia perrenis</i> (Fr.) Murr.	Danielson (1984)
					<i>Phellinus chrysoloma</i> (Fr.) Donk.	Gilbertson and Ryvarden (1987)
					<i>Phellinus ignarius</i> (L.:Fr.) Quél. ²	Thomas et al (1960)
					<i>Phellinus pini</i> (Thore.:Fr.) A. Ames ³	Robinson-Jeffrey & Loman (1963)
					<i>Phellinus tremulae</i> (Bond.) Bond. & Boriss. ⁴	Paul and Etheridge (1958)

Division	Subdivision	Class	Order	Family	Species	Previous Alberta Record
				Polyporaceae		
					<i>Coriopolopsis gallica</i> (Fr.) Ryv.	Gilbertson and Ryvarden (1986)
					<i>Coriopolopsis</i> sp.	
					<i>Daedaleopsis confragosa</i> (Bolt.:Fr.) Schroet.	Schalkwijk (1989)
					<i>Fomes fomentarius</i> (L.:Fr.) Kickx	Thomas et al (1960)
					<i>Fomitopsis cajanderi</i> (Karst.) Kotl. et Pouz. ⁵	Robinson-Jeffrey & Loman (1963)
					<i>Fomitopsis pinicola</i> (Swartz.:Fr.) Karst. ⁶	Robinson-Jeffrey & Loman (1963)
					<i>Fomitopsis rosea</i> (Alb. et Schw.:Fr.) Karst.	Gilbertson (1981)
					<i>Gloeophyllum abietinum</i> (Fr.) Karst.	
					<i>Gloeophyllum protractum</i> (Fr.) Imaz.	Gilbertson and Ryvarden (1986)
					<i>Gloeophyllum septiarium</i> (Fr.) Karst. ⁷	Robinson-Jeffrey & Loman (1963)
					<i>Gloeophyllum trabium</i> (Fr.) Murr.	Traquair (1980)
					<i>Gleoporus taxicola</i> (Pers.:Fr.) Gilbn & Ryv.	Gilbertson and Ryvarden (1986)
					<i>Inonotus obliquus</i> (Pers.:Fr.) Pilát	Gilbertson and Ryvarden (1986)
					<i>Irpex lacteus</i> (Fr.:Fr.) Fr.	Schalkwijk (1989)
					<i>Piptoporus betulinus</i> (Bull.:Fr.) Karst. ⁸	Bradbury (1968)
					<i>Polyporus alveolaris</i> (DC.:Fr.) Bond & Sing. ⁹	Abbott (1987)
					<i>Polyporus brumalis</i> Pers.:Fr.	Schalkwijk-Barendsen (1991)
					<i>Polyporus elegans</i> Bull.:Fr.	Traquair (1980)
					<i>Polyporus melanopus</i> Fr.	Gilbertson and Ryvarden (1987)
					<i>Polyporus squamosus</i> Huds.: Fr.	Gilbertson and Ryvarden (1987)
					<i>Polyporus varius</i> Fr.	Lawrence and Hiratsuka (1972)
					<i>Polyporus varius</i> Persoon:Fries forma numularis	Schalkwijk (1989)
					<i>Pycnoporus cinnabarinus</i> (Jacq.:Fr.) Karst.	Schalkwijk-Barendsen (1991)
					<i>Skeletocitis anorpha</i> (Fr.) Kobl. & Pouz.	Gilbertson and Ryvarden (1987)
					<i>Trametes cervina</i> (Schw.) Bres.	
					<i>Trametes hirsuta</i> (Wulf.:Fr.) Pil.	Calgary's Natural Areas (1980)
					<i>Trametes pubescens</i> (Schum.:Fr.) Pilát ¹⁰	Bradbury (1968)
					<i>Trametes suaveolens</i> L.:Fr.	Calgary's Natural Areas (1980)
					<i>Trametes versicolor</i> (L.: Fr.) Pilát	Gilbertson and Ryvarden (1987)
					<i>Trichaptum abietinum</i> (Dicks.:Fr.) Ryv. ¹¹	Bradbury (1968)
					<i>Trichaptum bifforme</i> (Fr. in Kl.) Ryv	Abbott (1990)
				Schizophyllaceae		
					<i>Schizophyllum commune</i> Fr.	Schalkwijk-Barendsen (1991)

Division	Subdivision	Class	Order	Family	Species	Previous Alberta Record
				Stereaceae		
					<i>Chondrostereum purpureum</i> Fr. ex Fr. ¹²	Paul and Etheridge (1958)
					<i>Stereum hirsutum</i> Fr.	Bradbury (1968)
					<i>Stereum striatum</i> (Fr.:Fr.) Fr.	
				Thelephoraceae		
					<i>Thelephora terrestris</i> Fr.	Danielson (1984)
			Dacrymycetales			
				Dacrymycetaceae		
					<i>Dacrymyces deliquescens</i> (Mérat) Duby	Bradbury (1968)
					<i>Dacrymyces palmatus</i>	
			Tremellales			
				Tremellaceae		
					<i>Exidia glandulosa</i> Fr.	Traquair (1980)
					<i>Exidia nucleata</i> (Schw.) Burt.	
					<i>Tremella foliacea</i> (Pers. & S. F. Gray) Pers.	
Myxomycotina						
	Myxomycetes					
			Liceales			
				Reticulariaceae		
			Physarales		<i>Lycogala epidendrum</i> (L.) Fries	Bradbury (1968)
				Physaraceae		
					<i>Leocarpus fragilis</i> (Dicks) Rost.	
			Stemonitales			
				Stemonitidaceae		
					<i>Stemonitis splendens</i> Rost.	
¹ Previously recorded as species only.						
² Recorded as <i>Fomes igniarius</i> (L. ex Fr) Kickx, and recognized as a synonym by Zeglen (1997)						
³ Recorded as <i>Fomes pini</i> (Thore: Fr.) Fr.), and recognized as a synonym by Hiratsuka (1987)						
⁴ Recorded as <i>Fomes igniarius</i> var. <i>populinus</i> (Neuman) Camp., and recognized as a synonym by Natural Resources Canada (1996)						
⁵ Recorded as <i>Fomes cajanderi</i> Karst., and recognized as a synonym by Gilbertson and Ryvarden (1986-1987)						
⁶ Recorded as <i>Fomes pinicola</i> (Sw.:Fr.) Cooke, and recognized as a synonym by Hiratsuka (1987)						
⁷ Recorded as <i>Lenzites saepta</i> (Wulfen:Fr.) Fr., and recognized as a synonym by Hiratsuka (1987)						
⁸ Recorded as <i>Polyporus betulinus</i> (Bull.:Fr.) Fr., and recognized as a synonym by Hiratsuka (1987)						
⁹ Recorded as <i>Favolus abveolaris</i> , and recognized as a synonym by Gilbertson and Ryvarden (1986-1987)						
¹⁰ Recorded as <i>Polyporus pubescens</i> (Schum.:Fr.) Pilat, and recognized as a synonym by Gilbertson and Ryvarden (1986-1987)						
¹¹ Recorded as <i>Polyporus abietinus</i> (Dickson:Fr.) Donk, and recognized as a synonym by Gilbertson and Ryvarden (1986-1987)						
¹² Recorded as <i>Stereum purpureum</i> (Pers.) Fr., and recognized as a synonym by Hiratsuka (1987)						

Appendix 2. Annotated species list for La Butte Creek Wildland

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
(? <i>Inocybe</i> sp.) infected with <i>Cladosporium</i> sp	on moss with black spruce	12V	485975.90	6581957.42	July 15 2001	LBC107a
<i>Chondrostereum purpureum</i>	on dead aspen poplar bark	12V	491127.72	6580205.28	July 8 2001	LBC032
<i>Clitocybe truncicola</i>	in moss on rotted log	12V	477088.94	6584366.43	July 14 2001	LBC070
<i>Collybia</i> cf. <i>dryophila</i>	on moss in spruce bog	12V	492236.38	6580251.83	July 12 2001	LBC097
<i>Collybia</i> cf. <i>dryophila</i>	on moss in spruce bog	12V	492236.38	6580251.83	July 12 2001	LBC098
<i>Collybia dryophila</i>	on ground in moss in willow forest	12V	474464.27	6587728.02	July 6 2001	LBC011
<i>Collybia dryophila</i>	on moss in white spruce forest	12V	474126.65	6585095.84	July 7 2001	LBC029
<i>Collybia dryophila</i>	on aspen poplar leaves	12V	491127.72	6580205.28	July 8 2001	LBC034
<i>Collybia dryophila</i>	on moss in aspen forest	12V	491127.72	6580205.28	July 8 2001	LBC035
<i>Collybia dryophila</i>	in moss of white spruce /aspen forest	12V	491127.72	6580205.28	July 8 2001	LBC036
<i>Collybia dryophila</i>	in moss in black spruce bog	12V	485975.90	6581957.42	July 10 2001	LBC044
<i>Collybia dryophila</i>	with white spruce and balsam poplar	12V	475891.84	6580230.43	July 11 2001	LBC088a
<i>Collybia dryophila</i>	in white spruce stand	12V	477499.07	6584378.30	July 14 2001	LBC091
<i>Collybia marasmioides</i>	on ground in moss in willow forest	12V	474464.27	6587728.02	July 6 2001	LBC010
<i>Coprinus hemerobius</i>	on mud of beaverdam	12V	489206.86	6580689.96	July 7 2001	LBC016b
<i>Coprinus micaceus</i>	on equisetum sp.	12V	489206.86	6580689.96	July 7 2001	LBC016
<i>Coprinus micaceus</i>	on moss leaves under willow	12V	474853.33	658 41.35	July 6 2001	LBC016a
<i>Corioloopsis gallica</i>	on fallen aspen with bark remaining	12V	474853.33	6585541.35	July 7 2001	LBC082
<i>Corioloopsis</i> sp.	on fallen aspen with bark remaining	12V	474853.33	6585541.35	July 7 2001	LBC120
<i>Cortinarius</i> cf. <i>huronensis</i>	[with moss]	12V	478813.83	6579354.52	July 15 2001	LBC106
<i>Cortinarius</i> cf. <i>huronensis</i>	on moss with black spruce	12V	485975.90	6581957.42	July 15 2001	LBC107
<i>Cortinarius</i> cf. <i>privignus</i>	in duff of white spruce/aspen poplar stand	12V	477499.07	6584378.30	July 14 2001	LBC067
<i>Cortinarius</i> cf. <i>raphanoides</i>	on moss in black spruce bog	12V	492236.38	6580251.83	July 12 2001	LBC094
<i>Cortinarius</i> cf. <i>vespertinus</i>	in moss in black spruce bog	12V	485975.90	6581957.42	July 10 2001	LBC043
<i>Cortinarius citrinifolius</i>	[?]	12V	492236.38	6580251.83	July 12 2001	LBC093
<i>Cortinarius mucosus</i>	on game trail in aspen forest, with grasses, bearberry & vetch	12V	474126.65	6585095.84	July 7 2001	LBC023
<i>Cortinarius trivialis</i>	in moss in alder forest	12V	474126.65	6585095.84	July 7 2001	LBC024

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
<i>Crepidotus ellipsoideus</i>	on dead alder	12V	486095.89	6582093.18	July 10 2001	LBC050
<i>Crepidotus ellipsoideus</i>	on alder/old, dry	12V	477499.07	6584378.30	July 10 2001	LBC059
<i>Crepidotus ellipsoideus</i>	on wood	12V	477499.07	6584378.30	July 14 2001	LBC092
<i>Crepidotus mollis</i>	on dead wood	12V	477783.17	6584510.43	July 14 2001	LBC063
<i>Dacrymyces palmatus</i>	on birch and alder/specimen missing	12V	486095.89	6582093.18	July 10 2001	LBC048
<i>Dacrymyces deliquescens</i>	on rotten balsam poplar	12V	474126.65	6585095.84	July 7 2001	LBC030
<i>Daedaleopsis confragosa</i>	on older fire killed log in black spruce bog	12V	485975.90	6581957.42	July 10 2001	LBC040
<i>Daedaleopsis confragosa</i>	on white birch twig	12V	474853.33	6585541.35	July 7 2001	LBC076
<i>Exidia glandulosa</i>	on alder	12V	477088.94	6584366.43	July 14 2001	LBC074
<i>Exidia nucleata</i>	on dead alder	12V	486095.89	6582093.18	July 10 2001	LBC122
<i>Fayodia pseudoclusilis</i>	on partly decomposed willow leaves	12V	474464.27	6587728.02	July 6 2001	LBC012
<i>Fomes fomentarius</i>	on white birch	12V	474859.30	6587445.19	July 6 2001	LBC003
<i>Fomes fomentarius</i>	on birch	12V	474919.40	6587555.91	July 6 2001	LBC008
<i>Fomes fomentarius</i>	on alder	12V	477499.07	6584378.30	July 10 2001	LBC119
<i>Fomitopsis cajanderi</i>	on rotting balsam poplar log	12V	474919.40	6587555.91	July 6 2001	LBC006a
<i>Fomitopsis pinicola</i>	on dead spruce log	12V	481025.28	6582607.45	July 9 2001	LBC039
<i>Fomitopsis pinicola</i>	on spruce stump	12V	474853.33	6585541.35	July 7 2001	LBC078
<i>Gandoderma applanatum</i>	on wood	12V	474729.26	6587026.10	July 6 2001	LBC004
<i>Gleophyllum sepiarium</i>	on dead wood	12V	486112.51	6581970.06	July 10 2001	LBC053
<i>Gleophyllum sepiarium</i>	on white spruce	12V	499258.40	6579539.65	July 15 2001	LBC108
<i>Gleophyllum trabium</i>	on fire killed pine	12V	485975.90	6581957.42	July 10 2001	LBC046
<i>Gymnopilus cf. humicola</i>	on wood	12V	477088.94	6584366.43	July 14 2001	LBC071
<i>Hemimycena gracilis</i>	on moss in white spruce forest	12V	489206.86	6580689.96	July 8 2001	LBC026
<i>Hygrocybe cantharellus</i>	in sphagnum	12V	493979.68	6577631.01	July 15 2001	LBC111
<i>Hygrophoropsis aurantiaca</i>	on rotten log in swamp with calla and alder	12V	475891.84	6580230.43	July 11 2001	LBC086
<i>Hygrotrama cf. hymenocephalum</i>	on sphagnum	12V	493979.68	6577631.01	July 15 2001	LBC109
<i>Inocybe cf. calamistrata</i>	on willow	12V	492236.38	6580251.83	July 12 2001	LBC095
<i>Inocybe cf. fastigata</i>	on sphagnum in black spruce bog	12V	486112.51	6581970.06	July 10 2001	LBC058
<i>Inocybe cf. frigidula</i>	on ground in mixed white spruce/aspen stand	12V	492236.38	6580251.83	July 12 2001	LBC096
<i>Inocybe cf. gymnocarpa</i>	in saline meadow with willow	12V	478813.83	6579354.52	July 15 2001	LBC116
<i>Inocybe cf. petiginosa</i>	in moss in black spruce swamp	12V	485975.90	6581957.42	July 10 2001	LBC045

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
<i>Inocybe mixtilis</i>	in moss with black spruce	12V	486112.51	6581970.06	July 10 2001	LBC055
<i>Irpex lacteus</i>	on bark of dead alder	12V	491127.72	6580205.28	July 8 2001	LBC033
<i>Irpex lacteus</i>	on wood	12V	477499.07	6584378.30	July 15 2001	LBC102
<i>Leccinum insigne</i>	on edge of aspen stand and black spruce bog	12V	486112.51	6581970.06	July 10 2001	LBC037
<i>Leccinum scabrum</i>	on bare ground on shoreline of La Butte Creek	12V	477783.17	6584510.43	July 14 2001	LBC062
<i>Lentinus lepideus</i>	on dead/dry large driftwood logs	12V	474016.20	6585200.54	July 7 2001	LBC051
<i>Lentinus lepideus</i>	on fire killed black spruce, in area with Labrador tea & wild red raspberry	12V	474853.33	6585541.35	July 7 2001	LBC081
<i>Lentinus sulcatus</i>	on dead/dry wood	12V	474853.33	6585541.35	July 7 2001	LBC123
<i>Leocarpus fragilis</i>	on lichen in moss	12V	477499.07	6584378.30	July 14 2001	LBC069
<i>Lycogala epidendrum</i>	on wood	12V	477499.07	6584378.30	July 14 2001	LBC068
<i>Marasmius pallidocephalus</i>	in moss in white spruce/white birch forest	12V	475063.66	6586400.20	July 7 2001	LBC020
<i>Marasmius pallidocephalus</i>	on bits of spruce cone & needles	12V	474126.65	6585095.84	July 7 2001	LBC028
<i>Marasmius scorodoni</i>	in sphagnum	12V	493979.68	6577631.01	July 15 2001	LBC114
<i>Marasmius strictipes</i>	on wood in white spruce forest-willow area	12V	477499.07	6584378.30	July 14 2001	LBC060
<i>Melastiza chateri</i>	in moss on mud of beaverdam	12V	489206.86	6580689.96	July 8 2001	LBC038
<i>Mycena cf. citrinomarginata</i>	in moss in white spruce/white birch forest	12V	475063.66	6586400.20	July 7 2001	LBC021
<i>Mycena cf. stipata</i>	[?]	12V	486112.51	6581970.06	July 10 2001	LBC057
<i>Omphalina ericetorum</i>	on sphagnum in spruce bog	12V	485975.90	6581957.42	July 10 2001	LBC047
<i>Omphalina ericetorum</i>	on moss in black spruce with sphagnum and rushes	12V	486112.51	6581970.06	July 10 2001	LBC052
<i>Omphalina ericetorum</i>	in sphagnum	12V	493979.68	6577631.01	July 15 2001	LBC117
<i>Oudemansiella longipes</i>	on wood in young aspen stand	12V	493979.68	6577631.01	July 15 2001	LBC118
<i>Oudemansiella longipes</i>	in moss with alder	12V	478813.83	6579354.52	July 15 2001	LBC105
<i>Oudemansiella longipes</i>	in moss with alder	12V	478813.83	6579354.52	July 15 2001	LBC105a
<i>Peniophora sp.</i>	on old spruce	12V	499258.40	6579539.65	July 15 2001	LBC115
<i>Phellinus pini</i>	on old wood	12V	477499.07	6584378.30	July 15 2001	LBC101
<i>Phellinus tremulae</i>	one meter from ground on dead balsam poplar	12V	474919.40	6587555.91	July 7 2001	LBC075
<i>Phellinus tremulae</i>	on aspen poplar	12V	474853.33	6585541.35	July 7 2001	LBC077
<i>Phyllotopsis nidulans</i>	on dead spruce branch	12V	477499.07	6584378.30	July 14 2001	LBC066
<i>Piptoporus betulinus</i>	on dead birch	12V	474853.33	6585541.35	July 7 2001	LBC079

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
<i>Piptoporus betulinus</i>	on dead birch	12V	474853.33	6585541.35	July 7 2001	LBC080
<i>Pleurotus ostreatus</i>	on balsam poplar	12V	474729.26	6587026.10	July 6 2001	LBC002
<i>Plicaturopsis crispa</i>	on birch	12V	474919.40	6587555.91	July 6 2001	LBC009
<i>Plicaturopsis crispa</i>	on alder	12V	475891.84	6580230.43	July 11 2001	LBC083
<i>Plicaturopsis crispa</i>	on alder/ old, dry	12V	477499.07	6584378.30	July 10 2001	LBC121
<i>Pluteus cervinus</i>	on rotting balsam poplar log	12V	474919.40	6587555.91	July 6 2001	LBC006
<i>Pluteus pestatus</i>	growing out the end of a rotted birch log	12V	489206.86	6580689.96	July 8 2001	LBC025
<i>Polyporus alveolaris</i>	on aspen	12V	477783.17	6584510.43	July 14 2001	LBC061a
<i>Polyporus elegans</i>	on alder	12V	477499.07	6584378.30	July 14 2001	LBC090
<i>Polyporus squamosus</i>	on rotted stump	12V	477499.07	6584378.30	July 14 2001	LBC061
<i>Polyporus varius</i>	on birch and rotting balsam poplar	12V	474919.40	6587555.91	July 6 2001	LBC007
<i>Polyporus varius</i>	on balsam poplar	12V	486112.51	6581970.06	July 10 2001	LBC054
<i>Polyporus varius</i> forma <i>nummularis</i>	on dead wood	12V	475891.84	6580230.43	July 11 2001	LBC085
<i>Psathyrella cf. gracilis</i>	on leaf litter amongst alder at creek edge	12V	482191.49	6582371.79	July 15 2001	LBC104
<i>Psathyrella cf. velutina</i>	on ground in alder flat	12V	475063.66	6586400.20	July 7 2001	LBC018
<i>Psathyrella cf. velutina</i>	on ground in alder flat	12V	475063.66	6586400.20	July 7 2001	LBC019
<i>Psathyrella subnuda</i>	on moss in white spruce stand	12V	475891.84	6580230.43	July 11 2001	LBC084
<i>Psathyrella subnuda</i>	on ground in open dry meadow with aspen and willow	12V	478813.83	6579354.52	July 15 2001	LBC113
<i>Pycnoporus cinnabarinus</i>	on dead alder	12V	486112.51	6581970.06	July 10 2001	LBC041
<i>Rhodocybe caelata</i>	[?]	12V	475891.84	6580230.43	July 11 2001	LBC087
<i>Rhodocybe caelata</i> Cf.	in black spruce bog	12V	492236.38	6580251.83	July 12 2001	LBC100
<i>Russula cf. fragilis</i>	on alder bark in balsam poplar forest	12V	492236.38	6580251.83	July 12 2001	LBC099
<i>Russula emetica</i>	on sphagnum in wet birch/alder swamp	12V	493979.68	6577631.01	July 15 2001	LBC110
<i>Russula fragilis</i>	in alder swamp	12V	474126.65	6585095.84	July 7 2001	LBC022
<i>Russula fragilis</i>	in white spruce stand	12V	477499.07	6584378.30	July 14 2001	LBC089
<i>Russula fragilis</i>	on mossy log	12V	477499.07	6584378.30	July 15 2001	LBC103
<i>Russula vesca</i>	on the shoreline of recently drawn down La Butte Creek	12V	477783.17	6584510.43	July 14 2001	LBC064
<i>Sarcodon scabrosus</i>	under aspen /specimen moldy	12V	477499.07	6584378.30	July 14 2001	LBC073
<i>Schizophyllum commune</i>	on dead wood	12V	485975.90	6581957.42	July 10 2001	LBC042
<i>Scutellinia scutellata</i>	on mud of beaverdam	12V	489206.86	6580689.96	July 8 2001	LBC031
<i>Stereum hirsutum</i>	rotted birch log	12V	474859.30	6587445.19	July 6 2001	LBC005
<i>Trametes pubescens</i>	on wood	12V	486112.51	6581970.06	July 10 2001	LBC056
<i>Tremella foliacea</i>	on dead alder	12V	486095.89	6582093.18	July 10 2001	LBC049
<i>Tremella foliacea</i>	on alder	12V	475891.84	6580230.43	July 11 2001	LBC083a
<i>Trichaptum biforme</i>	on birch	12V	474919.40	6587555.91	July 6 2001	LBC013
<i>Tubaria furfuracea</i>	on dead wood with moss in white spruce forest	12V	475891.84	6580230.43	July 11 2001	LBC088
<i>Tubaria pellucida</i>	[?]	12V	475063.66	6586400.20	July 7 2001	LBC017

Appendix 3. Annotated species list for Fidler-Greywillow Wildland

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
<i>Agaricus bernardii</i>	on sand near balsam poplar	12V	494503	6513031	July 24 2001	FG070
<i>Armillaria mellea</i>	on ground	12V	547141	6565461	July 20 2001	FG037
<i>Astraeus hygrometricus</i>	on sand at upper beach level	12V	532885.51	6552112.57	July 18 2001	FG014
<i>Astraeus hygrometricus</i>	in sand 2-4 cm deep	12V	547141	6565461	July 20 2001	FG035
<i>Astraeus hygrometricus</i>	on sand of upper beach	12V	521564.95	6532104.53	July 21 2001	FG041
<i>Bisporrella citrina</i>	on rotting stick	12V	535656.32	6554192.38	July 19 2001	FG024
<i>Collybia dryophila</i>	on moss in spruce forest	12V	535131.81	6553858.37	July 19 2001	FG019
<i>Collybia dryophila</i>	on feather/feather moss	12V	535483.64	6554269.03	July 20 2001	FG031
<i>Collybia dryophila</i>	on moss	12V	535483.64	6554269.03	July 20 2001	FG033
<i>Coltricia perrenis</i>	on sand with reindeer lichen	12V	536660	6554586	July 19 2001	FG015
<i>Coltricia perrenis</i>	on humus on sand	12V	547141	6565461	July 20 2001	FG040
<i>Coltricia perrenis</i>	on sand along path, with lichen and blueberry	12V	536643	6555716	July 22 2001	FG049
<i>Coltricia perrenis</i>	on sand	12V	514758	6517473	July 24 2001	FG061
<i>Coriopolopsis gallica</i>	on fire killed pine	12V	547141	6565461	July 20 2001	FG036
<i>Cortinarius armillatus</i>	on ground in aspen/balsam poplar stand	12V	509615	6520911	July 24 2001	FG069
<i>Cortinarius brunneus</i> var. <i>grandicolor</i>	on moss with black spruce	12V	535131.81	6553858.37	July 19 2001	FG020
<i>Cortinarius brunneus</i> var. <i>grandicolor</i>	on sand at lake edge	12V	529525	6553460	July 23 2001	FG053
<i>Cortinarius</i> cf. <i>casimiri</i>	on sand with rushes at spray line of lake	12V	536660	6554586	July 19 2001	FG017
<i>Cortinarius</i> cf. <i>casimiri</i>	on sand with rushes at spray line of lake	12V	535131.81	6553858.37	July 19 2001	FG018
<i>Cortinarius</i> cf. <i>jubarinus</i>	on sphagnum	12V	535483.64	6554269.03	July 20 2001	FG032
<i>Cortinarius helobius</i>	on sand at lake edge	12V	529525	6553460	July 23 2001	FG053
<i>Daedaleopsis confragosa</i>	on balsam poplar	12V	529525	6553460	July 23 2001	FG056
<i>Dermocybe cinnamomeobadia</i>	in sphagnum	12V	509615	6520911	July 24 2001	FG063
<i>Dermocybe uliginosa</i>	in moss on open bog	12V	535213.77	6553895.56	July 18 2001	FG010
<i>Fomes fomentarius</i>	on birch	12V	532787.66	6552523.92	July 17 2001	FG008
<i>Fomes fomentarius</i>	on birch	12V	533249	6552781	July 26 2001	FG071
<i>Fomitopsis pinicola</i>	on black spruce and jackpine	12V	535131.81	6553858.37	July 18 2001	FG012
<i>Fomitopsis pinicola</i>	on dead black spruce	12V	534057	6553874	July 22 2001	FG051
<i>Fomitopsis pinicola</i>	on balsam poplar	12V	509615	6520911	July 24 2001	FG065
<i>Galerina hypnorum</i>	on moss in black spruce stand	12V	532688.21	6552404.78	July 17 2001	FG002
<i>Galerina paludosa</i>	on moss with black spruce	12V	535131.81	6553858.37	July 19 2001	FG022
<i>Galerina paludosa</i>	on leaf litter in black spruce/aspen	12V	535092.25	6553951.79	July 19 2001	FG026
<i>Galerina paludosa</i>	in sphagnum	12V	535483.64	6554269.03	July 20 2001	FG030
<i>Gandoderma applanatum</i>	on wood	12V	533249	6552781	July 26 2001	FG072
<i>Gandoderma applanatum</i>	on wood	12V	533249	6552781	July 26 2001	FG073
<i>Gloeophyllum abietinum</i>	on dead black spruce	12V	537833	6555131	July 22 2001	FG046
<i>Gymnopilus humicola</i>	on birch	12V	535131.81	6553858.37	July 19 2001	FG021

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
<i>Hebeloma cf. velatum</i>	edge of pine and creek	12V	535656.32	6554192.38	July 19 2001	FG027
<i>Inocybe cf. frigidula</i>	on sand	12V	534970.30	6553653.18	July 20 2001	FG028
<i>Laccaria laccata</i>	on leaf litter in black spruce/aspen	12V	535483.64	6554269.03	July 20 2001	FG029
<i>Laccaria proxima</i>	on sand	12V	537833	6555131	July 22 2001	FG047
<i>Lactarius cf. obscuratus</i>	in leaf litter	12V	547141	6565461	July 20 2001	FG038
<i>Lactarius fragilis</i>	in shade of upturned stump, on moss in sand	12V	534057	6553874	July 22 2001	FG050
<i>Leccinum insigne</i>	with aspen poplar, occasional birch and balsam poplar	12V	509615	6520911	July 24 2001	FG064
<i>Leccinum scabrum</i>	in moss under aspen/birch/white spruce	12V	529525	6553460	July 23 2001	FG054
<i>Leptista (=Clitocybe) sp.</i>	on moss	12V	535213.77	6553895.56	July 18 2001	FG013
<i>Mycena stannea</i>	on moss	12V	547141	6565461	July 20 2001	FG039
<i>Omphalina ericetorum</i>	in spruce bog with liverworts, sphagnum & other mosses	12V	532885.51	6552112.57	July 17 2001	FG001
<i>Omphalina ericetorum</i>	on moss with black spruce (with FG022 - <i>Galerina paludosa</i> Fr.)	12V	535131.81	6553858.37	July 19 2001	FG074
<i>Omphalina pyxidata</i>	on moss in black spruce stand	12V	532688.21	6552404.78	July 17 2001	FG006
<i>Peziza badia</i>	growing on sand with moss & liverworts	12V	536660	6554586	July 19 2001	FG016
<i>Phellinus tremulae</i>	on balsam poplar	12V	509615	6520911	July 24 2001	FG066
<i>Piptoporus betulinus</i>	on birch	12V	509615	6520911	July 24 2001	FG068
<i>Pluteus cervinus</i>	on birch log	12V	532688.21	6552404.78	July 17 2001	FG004
<i>Pluteus cervinus</i>	on alder	12V	533081.88	6552783.92	July 17 2001	FG005
<i>Polyporus brumalis</i>	on willow	12V	535656.32	6554192.38	July 19 2001	FG023
<i>Polyporus elegans</i>	on birch or alder	12V	535131.81	6553858.37	July 18 2001	FG009
<i>Polyporus elegans</i>	on wood	12V	535131.81	6553858.37	July 18 2001	FG011
<i>Polyporus elegans</i>	on alder	12V	529525	6553460	July 23 2001	FG055
<i>Polyporus sp.</i>	on sand	12V	535483.64	6554269.03	July 20 2001	FG034
<i>Russula cf. maculata</i>	on ground	12V	535656.32	6554192.38	July 19 2001	FG025
<i>Russula emetica</i>	on sphagnum in black spruce bog	12V	537185	6555035	July 22 2001	FG048
<i>Thelephora terrestris</i>	on moss	12V	532885.51	6552112.57	July 17 2001	FG003
<i>Trichaptum biforme</i>	on birch	12V	532787.66	6552523.92	July 17 2001	FG007
<i>Trichaptum biforme</i>	on balsam poplar	12V	509615	6520911	July 24 2001	FG067

Appendix 4. Annotated species list for Colin-Cornwall Lakes Wildland

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
<i>Agrocybe praecox</i>	on sand under burnt pine	12V	546429	6605262	July 8, 2002	CC074
<i>Agrocybe putaminum</i>	on soil in open pine forest	12V	546429	6605262	July 8, 2002	CC073
<i>Chondrostereum purpureum</i>	on birch	12V	541742.77	6602023.6	July 6, 2002	CC029
<i>Collybia confusa</i>	with moss under black spruce	12V	551063	6608253	July 7, 2002	CC085
<i>Collybia dryophila</i>	with feather moss	12V	541742.77	6602023.6	July 6, 2002	CC009
<i>Collybia dryophila</i>	on rotted wood	12V	541742.77	6602023.6	July 6, 2002	CC044
<i>Coprinus lagopoides</i>	on burnt wood	12V	541742.77	6602023.6	July 6, 2002	CC036
<i>Coriolopsis gallica</i>	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC056
<i>Coriolopsis gallica</i>	on dead conifer	12V	541366.00	6599947.00	July 7, 2002	CC061
<i>Coriolopsis gallica</i>	on dead pine	12V	551063	6608253	July 8, 2002	CC078
<i>Cortinarius obtusus</i>	with moss under black spruce	12V	551063	6608253	July 7, 2002	CC084
<i>Cortinarius obtusus</i>	with moss under black spruce	12V	546605.00	6599986.00	July 9, 2002	CC099
<i>Fomes fomentarius</i>	on birch	12V	541742.77	6602023.6	July 6, 2002	CC013
<i>Fomes fomentarius</i>	on black spruce	12V	541646.42	6602125.3	July 9, 2002	CC103
<i>Fomitopsis cajanderi</i>	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC054
<i>Fomitopsis cajanderi</i>	on dead wood	12V	541366.00	6599947.00	July 7, 2002	CC059
<i>Fomitopsis pinicola</i>	on dead conifer	12V	541646.42	6602125.3	July 6, 2002	CC003
<i>Fomitopsis pinicola</i>	on dead conifer	12V	541646.42	6602125.3	July 6, 2002	CC005
<i>Fomitopsis pinicola</i>	on dead white spruce	12V	541742.77	6602023.6	July 6, 2002	CC010
<i>Fomitopsis pinicola</i>	on birch	12V	550734.03	6601468.7	July 9, 2002	CC100
<i>Fomitopsis rosea</i>	on rotted log	12V	541742.77	6602023.6	July 6, 2002	CC030
<i>Fomitopsis rosea</i>	on cut pine stump	12V	546429	6605262	July 8, 2002	CC075
<i>Galerina cinctula</i>	with moss under black spruce	12V	551063	6608253	July 8, 2002	CC081
<i>Galerina mniophila</i>	with moss under black spruce	12V	546605.00	6599986.00	July 9, 2002	CC097
<i>Gandoderma applanatum</i>	on birch	12V	541742.77	6602023.6	July 6, 2002	CC035
<i>Gleophyllum protractum</i>	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC057
<i>Gleophyllum sepiarium</i>	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC058
<i>Gleophyllum sepiarium</i>	on fire killed conifer	12V	540362.00	6600468.00	July 7, 2002	CC066
<i>Gleophyllum sepiarium</i>	on dead conifer	12V	541742.77	6602023.6	July 6, 2002	CC008
<i>Gleophyllum trabium</i>	on fire killed black spruce	12V	543755.00	6602888.00	July 8, 2002	CC072
<i>Gleoporus taxicola</i>	on unpeeled pine logs of cabin	12V	546610	6600000.6	July 10, 2002	CC105
<i>Gyromitra esculenta</i>	on wood on ground	12V	541742.77	6602023.6	July 6, 2002	CC032
<i>Gyromitra esculenta</i>	on burnt soil	12V	540362.00	6600468.00	July 7, 2002	CC064
<i>Gyromitra esculenta</i>	on buried wood in burnt pine forest	12V	541742.77	6602023.6	July 6, 2002	CC108
<i>Hebeloma cf. longicaudum</i>	with moss under black spruce	12V	546605.00	6599986.00	July 9, 2002	CC096
<i>Hygrophorus sp.</i>	with moss under black spruce (specimen missing)	12V	551063	6608253	July 8, 2002	CC086
<i>Inocybe lacera</i>	on ground in burnt pine forest	12V	541742.77	6602023.6	July 6, 2002	CC014
<i>Inonotus obliquus</i>	on birch	12V	541742.77	6602023.6	July 6, 2002	CC017
<i>Irpex lacteus</i>	on fire killed birch	12V	541742.77	6602023.6	July 6, 2002	CC023
<i>Irpex lacteus</i>	on dead wood	12V	541742.77	6602023.6	July 6, 2002	CC037
<i>Kuehneromyces lignicola</i>	on burnt ground with moss	12V	541366.00	6599947.00	July 7, 2002	CC062
<i>Kuehneromyces lignicola</i>	on sand under burnt pine	12V	546429	6605262	July 8, 2002	CC111
<i>Lycogala epidendrum</i>	on burnt black spruce	12V	543755.00	6602888.00	July 8, 2002	CC070a

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
<i>Marasmius scorodoni</i>	on burnt soil with moss	12V	541742.77	6602023.6	July 6, 2002	CC041
<i>Morchella elata</i>	on burnt ground, under white spruce	12V	541742.77	6602023.6	July 6, 2002	CC027
<i>Mycena cf. galopus</i>	with moss under black spruce	12V	551063	6608253	July 8, 2002	CC080
<i>Mycena filopes</i>	with moss under black spruce	12V	541366.00	6599947.00	July 7, 2002	CC052
<i>Mycena leucogala</i>	on burnt soil	12V	541742.77	6602023.6	July 6, 2002	CC042
<i>Myriosclerotinia caricic-ampullaceae</i>	on Carex sp.	12V	541366.00	6599947.00	July 7, 2002	CC053
<i>Neobulgaria pura</i>	on burnt black spruce	12V	543755.00	6602888.00	July 8, 2002	CC070b
<i>Omphalina ericetorum</i>	with moss under black spruce	12V	541742.77	6602023.6	July 6, 2002	CC046
<i>Omphalina ericetorum</i>	with moss under black spruce	12V	551063	6608253	July 8, 2002	CC082
<i>Peziza praetervisa</i>	on burnt soil	12V	541742.77	6602023.6	July 6, 2002	CC011
<i>Phellinus chrysoloma</i>	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC055
<i>Phellinus chrysoloma</i>	on dead white spruce	12V	541366.00	6599947.00	July 7, 2002	CC063
<i>Phellinus chrysoloma</i>	on unpeeled pine logs of cabin	12V	546610	6600000.6	July 10, 2002	CC104
<i>Phellinus ignarius</i>	on dead wood	12V	541742.77	6602023.6	July 6, 2002	CC048
<i>Phellinus ignarius</i>	on birch	12V	541366.00	6599947.00	July 7, 2002	CC049
<i>Phellinus ignarius</i>	on birch	12V	541742.77	6602023.6	July 6, 2002	CC033
<i>Phellinus ignarius</i>	on birch	12V	541742.77	6602023.6	July 6, 2002	CC034
<i>Phellinus ignarius</i>	on birch	12V	529639.00	6600841.00	July 9, 2002	CC087
<i>Phellinus tremulae</i>	on aspen popular	12V	541742.77	6602023.6	July 6, 2002	CC015
<i>Pholiota spumosa</i>	on soil	12V	541742.77	6602023.6	July 6, 2002	CC021
<i>Pholiota spumosa</i>	on soil	12V	541742.77	6602023.6	July 6, 2002	CC022
<i>Pholiota spumosa</i>	on wood in burnt ground, under white spruce	12V	541742.77	6602023.6	July 6, 2002	CC026
<i>Pholiota spumosa</i>	on wood in burnt ground, under white spruce	12V	541742.77	6602023.6	July 6, 2002	CC028
<i>Pholiota spumosa</i>	on burnt soil	12V	540362.00	6600468.00	July 7, 2002	CC065
<i>Pholiota spumosa</i>	on burnt soil with moss	12V	543755.00	6602888.00	July 8, 2002	CC071
<i>Pholiota spumosa</i>	on buried wood	12V	551063	6608253	July 8, 2002	CC077
<i>Piptoporus betulinus</i>	on birch	12V	541742.77	6602023.6	July 6, 2002	CC020
<i>Polyporus elegans</i>	on dead wood	12V	541742.77	6602023.6	July 6, 2002	CC047
<i>Polyporus elegans</i>	on birch	12V	541366.00	6599947.00	July 7, 2002	CC050
<i>Polyporus elegans</i>	on birch	12V	529639.00	6600841.00	July 9, 2002	CC088
<i>Polyporus melanopus</i>	on rotted log	12V	541742.77	6602023.6	July 6, 2002	CC019
<i>Polyporus varius</i>	on birch	12V	529639.00	6600841.00	July 9, 2002	CC093
<i>Polyporus varius</i>	on birch	12V	546610	6600000.6	July 10, 2002	CC106
<i>Psathyrella cf. phlegophila</i>	on burnt ground, under white spruce	12V	541742.77	6602023.6	July 6, 2002	CC025
<i>Pycnoporus cinnabarinus</i>	on birch	12V	540362.00	6600468.00	July 7, 2002	CC068
<i>Sarcodon scabrosus</i>	on ground	12V	541646.42	6602125.3	July 6, 2002	CC006
<i>Skeletocutis amorphia</i>	on alder	12V	541742.77	6602023.6	July 6, 2002	CC018
<i>Skeletocutis amorphia</i>	on birch	12V	529639.00	6600841.00	July 9, 2002	CC092
<i>Skeletocutis amorphia</i>	on burnt alder	12V	541646.42	6602125.3	July 9, 2002	CC101
Specimen Missing	burnt soil	12V	541742.77	6602023.6	July 6, 2002	CC038
Specimen Unidentifiable	on dead spruce	12V	541742.77	6602023.6	July 6, 2002	CC031
<i>Stemonitis splendens</i>	on birch	12V	529639.00	6600841.00	July 9, 2002	CC091
<i>Stereum hirsutum</i>	on birch	12V	540362.00	6600468.00	July 7, 2002	CC067

Species	Habitat	NAD 83	Easting	Northing	Date	Specimen No.
<i>Stereum striatum</i>	on birch	12V	541366.00	6599947.00	July 7, 2002	CC060
<i>Thelephora terrestris</i>	with moss under black spruce	12V	551063	6608253	July 8, 2002	CC083
<i>Trametes cervina</i>	log in cabin wall	12V	541742.77	6602023.6	July 6, 2002	CC016
<i>Trametes hirsuta</i>	on dead black spruce	12V	546605.00	6599986.00	July 9, 2002	CC095
<i>Trametes hirsuta</i>	on fire killed pine	12V	541366.00	6599947.00	July 7, 2002	CC110
<i>Trametes suaveolens</i>	on birch	12V	541646.42	6602125.3	July 9, 2002	CC102
<i>Trametes versicolor</i>	on dead pine	12V	546429	6605262	July 8, 2002	CC076
<i>Trichaptum abietinum</i>	on white spruce	12V	529639.00	6600841.00	July 9, 2002	CC090
<i>Trichaptum biforme</i>	on fire killed birch	12V	541646.42	6602125.3	July 6, 2002	CC001
<i>Trichaptum biforme</i>	on birch	12V	541646.42	6602125.3	July 6, 2002	CC002
<i>Trichaptum biforme</i>	on dead wood	12V	541742.77	6602023.6	July 6, 2002	CC007
<i>Trichaptum biforme</i>	on birch	12V	541742.77	6602023.6	July 6, 2002	CC012
<i>Trichaptum biforme</i>	on fire killed birch	12V	541742.77	6602023.6	July 6, 2002	CC024
<i>Trichaptum biforme</i>	on birch	12V	541742.77	6602023.6	July 6, 2002	CC045
<i>Trichaptum biforme</i>	on fire killed birch	12V	540362.00	6600468.00	July 7, 2002	CC069
<i>Trichaptum biforme</i>	on birch	12V	529639.00	6600841.00	July 9, 2002	CC094
<i>Tubaria hiemalis</i>	balsam poplar on the ground	12V	541646.42	6602125.3	July 6, 2002	CC004
<i>Tubaria hiemalis</i>	on wood	12V	541366.00	6599947.00	July 7, 2002	CC051
<i>Tubaria romagnesiana</i>	on rotted birch	12V	541742.77	6602023.6	July 6, 2002	CC039
<i>Tubaria romagnesiana</i>	on burnt soil	12V	541742.77	6602023.6	July 6, 2002	CC040
Unidentifiable	on birch	12V	529639.00	6600841.00	July 9, 2002	CC089
Unidentifiable yellow slime	on sphagnum	12V	541366.00	6599947.00	July 10, 2002	CC109
<i>Xeromphalina fraxinophila</i>	on burnt soil with moss	12V	541742.77	6602023.6	July 6, 2002	CC043
<i>Xeromphalina fraxinophila</i>	with moss under black spruce	12V	551063	6608253	July 8, 2002	CC079
<i>Xeromphalina fraxinophila</i>	with moss under black spruce	12V	546605.00	6599986.00	July 9, 2002	CC098
<i>Xeromphalina fraxinophila</i>	with moss under black spruce	12V	541366.00	6599947.00	July 7, 2002	CC107

Appendix 5. Partial list of literature accounts of fungi occurrences in Alberta.

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Appendix 6. Photographs of macrofungi from La Butte Creek, Fidler-Greywillow and Colin-Cornwall Lakes Wildland Provincial Parks

LB061 *Polyporus squamosus*, La Butte Creek Wildland Provincial Park.
Photographer: Drajs Vujnovic

FG034 *Polyporus* sp.? , [Specimen parasitized and with hymenium eaten off (?)] Fidler-Greywillow Wildland Provincial Park.
 Photographer: Drajs Vujnovic

FG053 *Cortinarius brunneus* var. *grandicolor*, on sand at lake edge, Fidler-Greywillow Wildland Provincial Park.
 Photographer: Lorna Allen

FG024 *Scutellinia scutellata*, on mud of beaver dam, Fidler-Greywillow Wildland Provincial Park.

Photographer: Lorna Allen

FG016 *Peziza badia*, Fidler-Greywillow Wildland Provincial Park.

Photographer: Lorna Allen

FG001 *Omphalina ericetorum*, Fidler-Greywillow Wildland Provincial Park.
Photographer: Lorna Allen

LB082 *Coriolopsis gallica*, La Butte Creek Wildland Provincial Park.
Photographer: Lorna Allen

LB074 *Exidea glandosa*, La Butte Creek Wildland Provincial Park.
 Photographer: Lorna Allen

Laccaria sp., La Butte Creek Wildland Provincial Park.
 Photographer: Lorna Allen

Fomitopsis pinicola On black spruce, Colin-Cornwall Lakes
Wildland Provincial Park
Photographer: Drajs Vujnovic

Gyromitra esculenta, Colin-Cornwall Lakes Wildland Provincial Park
Photographer: Drajs Vujnovic

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