

TURN AND BANK

Fall 2021



Hedgerow Restoration Project

Dale Hunt

THE NATURE AND SCOPE OF THIS PROJECT pertains to the present hedgerow which runs from the western boundary of the grass landing strip eastwards approximately 540 meters and continuing east from that point to 104th Street, where there is no hedgerow but mainly out-of-control blackberry bushes. Blackberry bushes impact native plant species, native bird and wildlife habitat, and are starting to threaten flight operations at the eastern threshold of the landing strip.

Delta Heritage Air Park (DHAP) is located within Boundary Bay Regional Park, part of the Central Division of Metro Vancouver Regional Parks (MVRP), with whom RAA85 has a license agreement that mutually ensures the safety of aircraft operations and mitigates the environmental impact of Air Park operations.

Based on projects that MVRP environmental personnel have completed elsewhere in greater Vancouver, a plan was developed

to remove all invasive species, prepare the affected area for replacement foliage and reintroduce native plant species by creating a new hedgerow that runs along the entire northern boundary of the strip, improving air park operations and revitalizing bird and wildlife activity.

Application

At the same time, MVRP introduced RAA85/DHAP to the Pacific Parklands Foundation (PPF), a non-profit society established to

Recreational Aircraft Association of Canada, Chapter 85
Monthly Membership Meeting Minutes
7:30PM
Tuesday, October 5, 2021
Monthly Membership Meeting:

Minutes

New members and visitors: welcome and introductions
New member Eric Leaver
Joined about a month ago, lives in Ladner
Works in aviation, currently working on certifying a two seat trainer
Needs to revalidate his flight medical
Interested in flying the Cruiser

Annual General Meeting

Brought to Order by Ran Sariel 7:31PM, via Zoom online meeting
Quorum
Total club members in Good Standing.....55
Quorum requirement..... 20 percent
Members present.....26
Quorum reached

Election

Ballots for 2022 Executive distributed by email to all members present
Elected positions filled by acclamation
President.....Alex MacKay
Vice President Peter Sleeman
SecretaryTim Novak
Treasurer.....Sebastien Seykora
Program Directors..... Kesar Nizar, Bill Bird
Custodian Clif Dawson
Director.....Eric Munzer
Director.....John Macready
Ex-Officio positions appointed
DAPCOM ChairmanDave Hallier
Aircraft Chairman..... Harald Schiedel
Technical/ Chief Pilot.....Sebastien Seykora
Buildings Chairman..... John de Visser
Membership ChairmanRan Sariel
Newsletter Editor George Gregory
Webmaster..... Poul Rasmussen

Discussion

John Macready:
Harald has done a terrific and effective job as Aircraft Chairman this last year
Thanked Harald for all his efforts
Thanks Sebastien for all his efforts as Tech Pilot
Sebastien Seykora
John de Visser has really taken on the responsibilities of taking care of the buildings

Ran Sariel
Happy with being the Membership Chairman, now for the third year
Poul Rasmussen has done an excellent job with the RAA 85 and Delta Airpark websites

Business Meeting

Approval of Minutes of last meeting on August 6th, 2021
Moved: John Macready
Seconded: Bill Bird
Carried

2021 Membership Dues

Chapter 85 Regular Annual Membership (with RAA National Membership) \$45
Student Chapter 85 Membership.....\$15 (insurance at RAA events)
RAA National Insurance Fee for non-national members \$15 (insurance at RAA events)
Total for Chapter 85 Regular + RAA National Insurance Fee\$60
Chapter 85 Annual Membership with Cruiser Pilot in Command privileges) (with RAA National Membership) \$145
RAA National Insurance Fee for non-national members
\$15 (insurance at RAA events)
Total for Chapter 85 Cruiser PIC + RAA National Insurance Fee.....\$160
Membership fees can be sent by e-transfer to our Membership Chair, Ran Sariel(ran.sariel@gmail.com)

Committee Reports:

Treasurer: Sebastien Seykora
Presented year to date Income, Expenses and those outstanding
Presented 2021 year end cash balance forecast
Will be below the \$35,000 year end goal

Cruzer
Breaking even with respect to rental income and operational expenses
Year to date results show a \$4500 loss including the \$5,000 aircraft painting cost

Vice President: Peter Sleeman
Nothing to report
Membership:Ran Sariel
Total members65
Members with flying privs13
Aircraft Manager: Harald Schiedel
Only about four or five members are actively flying the Cruiser
Cruzer has flown about 61 hours since January
Oil changed in September
Battery box now insulated

Chief Pilot:Sebastien Seykora
Now able to take on more flying members
Only one pilot added this year
Cruzer rents out at \$140/hour air time, wet, and with conversion instructor if required
We only need to add two or three new pilots per year to pay for the Cruiser
The Cruiser is tricky to land
light (low inertia) and aerodynamically dirty such that it slows down very quickly on approach and flare
short coupled gear and fuselage shape make cross wind landings challenging

Hangar and Workshop: John de Visser
Not present, No report

Custodian: Clif Dawson
Roundhouse stinks of food garbage
Garbage can is full
A member is extensively using the building
John Macready – Should be discussed during the Executive meeting, tree planters did not use the Roundhouse

DAPCOM News: John Macready
Provided written report appended below
Went through written report
Jiffy John near the fuel pumps to be removed, contact John Macready if you have concerns
Bruce Prior – Was a new septic tank installed? Yes. No heavy equipment should be operated overtop the septic tank
The derelict Piper Clipper has been seized under the Warehouseman’s Act as of October 7, 2021 and will be put up for auction
Dave Hallier
Bailiff fee for the seizure of the aircraft is \$525 plus 20 percent of sale price
Any additional funds will go to RAA 85
Although the logbooks exist, they will not likely be included in the sale

Newsletter: George Gregory
Not present, No report

Programs: Peter Murphy/ Kesar Nizzar
Not present, No report

Announcements:

2.3.1 Pancake Breakfasts: Next year
2.3.2Annual Awards Banquet (postponed until next March/ April)
2.3.3 Remembrance Day (November 11th, 2021) – Cancelled
2.3.4....Christmas Party (December 7th general meeting?)

Motion to Adjourn - By: Clif Dawson, Seconded: Steve Weiher 8:36PM

Dapcom Report to RAA Membership Meeting October 5, 2021.

Dave Hallier is confirmed as the next Chairman of the Operations Committee. His start date will be January 1, 2022. John Macready will remain in the position until Dec 31, 2021.

Dapcom will remove the Jiffy John portable toilet, located at the fuel pumps, by the end of

October.

Dapcom is cautioning all members against driving heavy equipment over the septic field site close to the clubhouse.

The Hedgerow Restoration Project is progressing. The first planting of site # 1 has taken place. Another planting session will happen on Oct 14, 2021. MVRP will plant Site # 2 in spring 2022. Most planting has been done by various volunteers

The runway signs at the threshold of RW25 have located at an equal distance from 104 St.

The Piper Clipper seizure and sale is progressing on time. Chapter 85 will sell the aircraft at auction on Oct 7, 2021.

Please do not drive or park on the field or grass areas during the winter.

Please consider volunteering for a position to help run the air park.

Submitted by J Macready, Chairman
Dapcom 2021.

Hedgerow / continued from page 1

support and enhance Metro Vancouver’s Regional Parks system. One of their responsibilities is to administer the George Ross Legacy Stewardship Program, an endowment created by a generous \$2.8 million bequest from Mr. George Ross, who loved trees and parks. Organizations such as ours are encouraged to request their financial assistance by way of a Stewardship Grant, subject to a proposal submission which must meet certain program objectives. Our project was approved on Jun 6th, 2021 awarding funds of \$10,000 per year for 2 years.

Statement of Work and Schedule

1 - Project Description

A number of areas within DHAP have become overgrown with Himalayan blackberry, a non-native invasive species. Left unmanaged, the blackberry bush forms thick, impenetrable thickets of live and dead canes, which degrade habitat quality. Dense blackberry patches can prevent the establishment of native vegetation and can out-compete native vegetation where it overtops low to moderately high growing native species. Although these blackberry shrubs offer limited food, nesting sites, and wildlife cover, it is poorer quality habitat than native shrub species and results in decreased biodiversity.

In 2020, we began the removal of large swaths of blackberry at various locations throughout the Air Park lands. The intent is to convert them to more appropriate vegetation types for the benefit of wildlife and compatibility with Air Park operations. Some of the cleared areas are intended to be planted as hedgerow consisting of native shrubs and trees while others are to be

converted to grass margins. Over the next two years, two sites north and south of the drainage ditch are targeted for hedgerow establishment, with the primary goal being to improve wildlife habitat within Delta Heritage Air Park by creating biodiverse native species hedgerows and tall grass margins on areas overgrown with invasive species.

2 - Project Objectives

The project is expected to achieve the following goals:

Suppression and removal of invasive blackberry in target areas

Establishment of 150 metres of native species hedgerow habitat

Creation of tall grass field margins
From an Air Park safety perspective, removal of invasive species stops runaway encroachment

Facilitates a runway arresting barrier adjacent to 104th street

3 - Regional Park Benefits

Hedgerows contribute to increasing biodiversity in a landscape primarily used for intensive agricultural production such as that found in and around the Delta Heritage Air Park. They provide year-round wildlife habitat along field edges. Over half of the bird abundance found on a typical piece of farmland can be attributed to hedgerows, even though the hedges may cover a small portion of the overall landscape.

Hedgerows provide a number of benefits, including:

Providing habitat containing food, cover and nesting places for a diversity of insect, amphibian, small mammal, and bird species

Acting as “insectories;” providing habitat for a host of beneficial insects, including

native pollinators and predatory insects

Creating microclimates conducive to improving agricultural productivity; hedgerows act as wind barriers to prevent soil erosion

The project will create superior habitat to what is currently on site by providing the benefits listed above. The diversity of trees and shrubs proposed will also provide for a longer flowering period than the monocultures of blackberry currently on site and allow for sustained support of native pollinators over a greater proportion of the growing season.

4 - How will the funds be used?

George Ross Legacy Stewardship funds will be used to hire contractors with suitable machinery to work up the blackberry removal sites, prep the sites for soil augmentation, purchase of native plant material, installation of a temporary irrigation system to be used during periods of drought stress and mulch for planted areas.

5 – Project Work Plan and Timeline

Year 1 - ‘2021’, north of the existing drainage ditch, known as Site 1
Sept 2021 - rotovate grass area on hedgerow site 1 for soil placement in preparation for October planting
Oct 2021 - augment soil and plant hedgerow material for site 1
Oct 2021 to Feb 2022 - continue mowing and grubbing of blackberry from hedgerow site 2 and grass margin
Mar 2022 – pull weeds from hedgerow site 1 and prepare for mulching – apply mulch to site – seed grass margin at site 1
Apr 2022 – install irrigation system
May 2022 to Aug 2022 – monitor and weed hedgerow site 1, continue prep for

hedgerow site 2 and grass margin site 1

Year 2 - '2022', south of existing drainage ditch, known as Site 2

Sept 2022 – rotovate area on hedgerow site 2 for soil placement in preparation for October planting

Oct 2022 – plant hedgerow material

Oct 2022 to Feb 2023 – continue mowing and grubbing of blackberry from additional sites for grass margin

Mar 2023 – pull weeds from hedgerow site 2 and prepare for mulching – apply mulch to site, seed grass margin at site 2

Apr 2023 – install irrigation system

May 2023 to Aug 2023 – monitor and weed hedgerows and mow grass margin to suppress weeds

Benefits

Some 45 trees and more than 1,000 shrubs will be planted as part of the project over the next two years. Tree types will include Big Leaf Maple, Red Alder, Black Hawthorne, Pacific Crabapple, Sitka Spruce and Western Red Cedar, all of which have been planted on Site 1, north of the drainage ditch so as not to interfere with aircraft movement on RW 07/25 when at mature growth. Shrub varieties will include Red Osler Dogwood, Beaked Hazelnut, Tall Oregon Grape, Mock Orange, Pacific Ninebark, Red-flowering Currant, Nootka Rose, Salmon Berry, Hooker’s Willow, Elderberry and Snow Berry will be planted on both sites 1 and 2.

It’s important to note that these trees, plants and shrubs are all indigenous to the Pacific Northwest and were all grown at Nat’s Nursery in Burnaby. They were selected by professional arborists for their year-round fruit-bearing characteristics and shelter variety to better meet resident birds and wildlife common to the Boundary Bay area, as opposed to the limited food and shelter characteristics offered by the invasive Himalayan Blackberry.

By proper grounds management and adherence to our Wildlife and Environmental Management Plans, both MVRP and RAA/DHAP anticipate that areas of the Air Park beneficial to wildlife will be preserved, and plantings will attract, feed, and shelter wildlife, thereby promoting the continued co-habitability of the Air Park adjacent to the Boundary Bay Wildlife Management Area.

Costs

Total project cost is estimated to be \$29,750

attributed as follows;	
Mulching and Grubbing.....	10,500
Soil, Bark and Irrigation	13,500
Native Plants and Grass Seed	5,250
Signage	500

These costs, either by cash or in kind, will be covered by the following funding sources;	
Pacific Parklands Foundation.....	20,000
Metro Vancouver Regional Parks	7,750
RAA.....	2,000

Maintenance

Planted areas will need to be regularly weeded during the first several years of establishment. Several work parties will be held annually until such time as the native vegetation provides sufficient cover to suppress weed and invasive growth. Annual inspections will be conducted to monitor invasive species establishment and work parties will be scheduled to mitigate any weedy intruders. Other site maintenance will be conducted periodically by the Air Park’s caretaker and volunteers.

Acknowledgements

Contributions from Pacific Parklands Foundation and Metro Vancouver Regional Parks are major and appreciated on a significant level, as is the time and effort contributed by the many volunteers from the RAA/DHAP and the youth groups supported by MVRP. The Air Park’s website will have a section dedicated to Environment and Wildlife Management along with links and logos to relevant PPF and MVRP webpages also included.



Chapter 85 Show and Shine September 2021



President's Report / Alex Mackay

RAA Report # 3 for 2021

Our July Meeting was planned to have been Kesar Nizzar's Pilot Proficiency presentation. Unfortunately, once again, an unanticipated work event prevented Kesar from being with us. However, once again, he sent us two videos about the reconstruction of a Hawker Tempest II. The reconstruction is being carried out by Kelowna Fightcraft at Kelowna Airport. The Tempest was the last and greatest British fighter aircraft built for World War II. These two videos were highly relevant to the interests of Chapter 85 members. The following discussion about the history and operational performance of the Tempest was lively; Bill Bird is an excellent resource on WWII fighter aircraft! For those who missed the meeting, the videos are available at https://www.youtube.com/playlist?list=PLNyC4s1wpdR6ZwCXLCn3yPGcKLUkcoSZ_. Those who have already seen the original two videos may wish to click the above URL in order to see the third video in the series which was uploaded on Oct 6, 2021. It's a very exciting build project!

Chapter 85 is well known for hosting its Annual Delta Heritage Air Park Fly-In in late June or early July. Last year, we cancelled the event to conform with the Covid-19 rules. This year, on Saturday July 10th, we held a 'Low Key' Fly In in front of Mary's Place. The event was open to Chapter 85 members, tenants of the DAPCOM hangars and a few other local kindred spirits. Jim and Connie Stunden generously prepared and cooked hot-dogs for our guests. There hadn't been many opportunities for pilots to get together in 2020; our event was very well attended with about 40 persons and at least 15 aircraft.

For our August general meeting, Kesar Nizzar was finally able to present his Pilot Proficiency talk: 'Flying Thoughts From a Young One'. It was well worth the wait! Kesar's talk covered three 'Whats': 'What if' related to what we should do to get ready for our flight. 'What now' related to being prepared for circumstances that we cannot foresee and "What next" related to dealing with how our flight progresses while we are in the air. All in all, a great presentation with lots of discussion points for the audience! Those who would like to see it again, or those who missed our August Meeting are invited to watch it at: <https://youtu.be/e2j0-qN5Iqw>.

Finally, September is when Chapter 85 holds its Annual Show and Shine event outside the Roundhouse. This was another very successful meeting with the largest number of aircraft showing up in recent history - Seventeen pilots brought their airplanes. Once again, Jim and Connie Stunden made hot dogs for the attendees.



News and Stuff

A Request to Contributors:

When submitting material for the Turn and Bank, please don't add formatting (tabs, bullets, little symbol thingies). These little gems need to be manually removed before putting them into the Turn and Bank, adding mega extra work to the job. Just hit the return button at the end of each paragraph, and that's it. Anything more confuses my software and needs to be taken out.

Also, make pictures submitted as big as possible. This give me more design options. Thanks!

A new training video for the Zenith 750 Cruiser has been posted to the RAA Chapter YouTube channel. This video shows an in-cockpit view of Sebastien demonstrating and commenting on procedures from pre-engine start through to a completed takeoff from Delta Air Park. It includes check list use, using the Dynon Skyview engine

monitor to perform the mag checks during run up, and how the aircraft performs at takeoff. The procedures may be useful review for anyone flying the Cruiser or for anyone simply interested in seeing the aircraft in operation. There are also three additional short videos which are extracts from the original longer video. These shorter videos are to allow focus on those particular portions of the demonstration for those wishing to review just those procedures. To view, see these links:

RAA Zenith Cruiser procedures from pre-start through to takeoff as demonstrated by Sebastien:

<https://youtu.be/dp18mvGfBs4>

Shorter videos extracted from the longer video:

-Demonstration of Cruiser procedures from pre-start to taxi: https://youtu.be/FkxgTc-X_eo
Run up including the Skyview engine monitor being used for the mag check:

<https://youtu.be/qtCnBBsAIZI>

Cruzer take off demo:

<https://youtu.be/8p2jOve6PIA>

Volunteer for chapter activities: we can always use people to help with upcoming chapter events like the Pancake breakfast (Covid notwithstanding). If you want to help out, contact any member of the executive. Their contact numbers are on the club website.

The Turn and Bank is a Publication of Chapter 85 of the Recreational Aircraft Association of Canada. We are located at Delta Heritage Air Park 4103 104 St, Delta, BC V4K 3N3.

Any suggestions, pictures or newsletter contributions can be emailed to George Gregory at gregdesign@telus.net.