6/12/2019

Answers from Merrill Field Airport Manager D. Ralph Gibbs regarding meetings on AO 2019-60 and AO 2019-61:

1. Dollar value for under charging against CPI increases-requested by co-chair Constant

Tail in Tie Down -~\$25,307**

Pull Through Tie Down - ~\$ 25,318**

Lease rates per square foot -~\$ 451,814**

Total charged below CPI - ~\$ 502,438**

**Very rough numbers for 2006-2018 based on current tie downs and leases.

- 2. Off-airport commercial rates as point of comparison should a current business enterprise wish to move off airport.
 - a. On-airport **Commercial Lease rates** 33% of off-airport rates, i.e., \$.25 per square foot vs \$.75 per square foot
- 3. SWOT analysis for increased rates and fees-requested by Chairwoman LaFrance
 - a. Attached
- 4. Out-of-state and other Alaskan airport rates for comparison
 - a. Anchorage bowl comparison matrix inserted below and its source airnav.com airport services documentation is attached.
 - b. Attached you will find two tie down price sheets. One is for Olympia, Washington and the other is Merritt Field, BC.

MRI SWOT Analysis

The primary driver behind the requested fee increases, and thus, the context for the following SWOT is that **MRI is an enterprise** department of MOA. As such, it must break even and take no subsidies from the MOA general fund.

I. Strengths

- 1. The **second busiest airport** in the state of Alaska, second only to Ted Stevens with 151,400 annual operations.
- 2. Ranked 1st in the state for "based" aircraft with ~800 aircraft
- 3. Ranked 20th busiest out of all US General Aviation (GA) non-hub airports.
- 4. Economic engine for Anchorage and the state of Alaska.
 - **a.** In 2014 study, MRI has generated 428 direct jobs, ~ \$27M in wages and benefits, and total non-wage and benefit expenditures of nearly \$64M.
 - b. 48 Long Term ground leases which support approximately **50 aviation related businesses**
 - c. 3.475M square feet of leasable land for aviation related uses. Does not include tower and Civil Air Patrol.
 - d. 85,000 sq. ft. of rentable building space for property management.
 - e. The primary airport of choice for Interior Alaskans traveling to the Anchorage bowl for medical or re-supply requirements. New MRI branding could be, "Welcome to Merrill Field-The Gateway to Alaska's Interior."
 - f. Served more than **20 communities**, including as far away as Savoonga on St. Lawrence Island in the middle of the Bering Sea and Prudhoe Bay to the north.
 - g. Nearly 85% of all commercial payload enplaning/deplaining to the community of Tyonek originates at MRI.
 - h. A commercial operator has begun flights transporting personnel and cargo from MRI direct to Prudhoe Bay.
- 5. When **compared to other Anchorage Bowl airports**, i.e., Birchwood, Lake Hood, and Girdwood, **Merrill Field's advantages** are:
 - a. 24-hour security with camera surveillance, mostly on operational (runway/taxiway) areas.
 - b. On-airport Avionics supply and repair
 - c. On-airport aircraft engine repair
 - d. On-airport aircraft painting facilities
 - e. On-airport supplier of Tundra tires for bush pilot requirements
 - f. Seven on-airport fuel stations. Combined sales of ~ \$800K of avgas sold annually.
 - g. Close proximity to downtown Anchorage
 - h. Intersecting runways to allow for both crosswind training and into-the-wind landing/takeoff
 - i. Dirt strip and ski landings
 - j. On-airport runway/taxiway/ramp maintenance personnel. Birchwood and Girdwood depend on state of Alaska road crew support. Based on 7-day week coverage by MRI MX personnel, MRI has never been closed due to snow and or ice events.
 - k. Other than Ted Stevens and Lake Hood, only airport in Anchorage bowl with FAA Tower

- I. One of the few airports in the nation that has medevac flight access directly to AK Regional Hospital, thereby saving critical lives and time-consuming ambulance trips.
- m. Ramp lighting
- n. Instrument approach procedures for IFR approaches to landing in marginal weather conditions. Lake Hood, Birchwood, and Girdwood do not have their own instrument approach procedures.
- 6. On-airport **Commercial Lease rates** 33% of off-airport rates, i.e., \$.25 per square foot vs \$.75 per square foot
- 7. **Massive investment made by UAA** in their Merrill Field campus and facilities to prepare Alaska's future aviation professionals to meet a statewide and worldwide demand for aircraft mechanics, air traffic controllers, aviation managers, and pilots.
- 8. Home to 5 flight schools, for both airplane and helicopter
- Access to 93.75% federal infrastructure funding. Since 2015, the FAA has invested <u>~\$47.5M</u> in Merrill Field and in the municipality's economy.
- **10.** As an enterprise department, MRI receives no city tax subsidy.

II. Weaknesses

- 1. Not a certificated airport. This is both a strength and a weakness. Lack of certification means there is no TSA requirement. Thus, passenger movement into and out of air charter facilities is hassle free. However, it also means that there are fewer FAA funds available for airport development, i.e., terminal buildings etc.
- 2. Sitting on top of landfill. Dynamic compaction is expensive and may be a recurring expense over time.
- 3. Proximity to noise sensitive residential neighbors.
- 4. No operational surplus that can be used to fund 6.25% FAA Grant Match requirement.
- 5. Little undeveloped real estate to expand
- 6. Despite receiving NO STATE OF ALASKA SUBSIDIES, (unlike Girdwood, Birchwood, and Lake Hood), prices have been kept below the rate of inflation.

III. Opportunities

- "MillionAire"-like Fixed Based Operator (FBO) with restaurant, pilot lounge, flight planning, rental car partnerships, embedded flight schools etc. Considering a move of the airport manager's office to elsewhere on the airport, as its current location and the associated transient parking area would make an ideal FBO location.
- 2. Sabrewing Aircraft-unmanned cargo aircraft under contract to tribal community of Saint Paul Island. They are a California company looking for a manufacturing site in Alaska. Conversations have begun to make that home Merrill Field.
- 3. Other commercial enterprises.
- 4. Increase max landing weight from 12,500 pounds (King Air B-200) to 15,000 pounds to attract small corporate jets to increase Jet-A fuel sales.
- 5. Convert vacant areas into a revenue generating property.
- 6. Repurpose unused airport land for vehicle parking
- 7. Take advantage of a significant influx of FAA capital funds to meet existing and future infrastructure needs.

8. Move forward on a financial path that is both predictable and sustainable to meet its daily operational needs, as well as current and future capital matching requirements.

IV. Threats

- 1. Misperception by stakeholders that the muni has siphoned funds away from the airport
- 2. A few airport **stakeholders misrepresenting airport communications** as less than transparent to MOA assembly.
- 3. The same few **stakeholders questioning** the value of the MAAAC.
- 4. Flying businesses on MRI are very price sensitive with extremely thin profit margins.
- 5. Aircraft noise complaints from the neighborhood may result in tighter MOA aviation regulation.

MRI comparisons

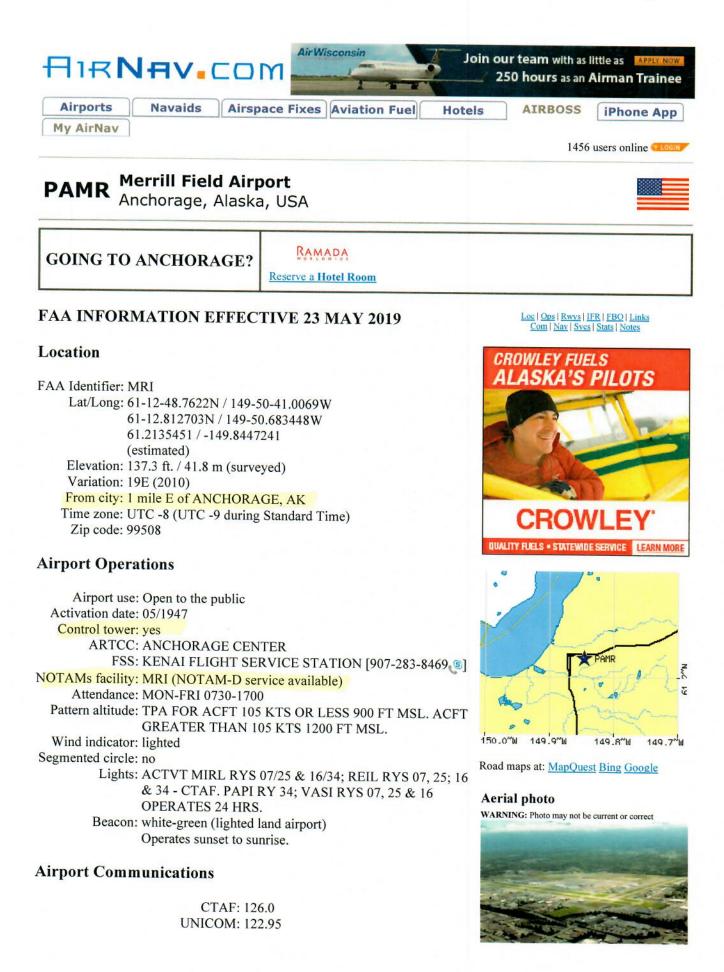
Airport Advantage/Discriminator	Merrill Field	Lake Hood	Birchwood	Girdwood
Tower	yes	yes	no	no
Instrument Approach Procedure				
for visibility approaches	yes	no	no	no
Distance from Anchorage				
city center in miles	1	3	22	40
Jet A	yes	yes	no	no
Avgas	yes	yes	yes	no
Paved runway	yes-4	no	yes-2	no
gravel runway	yes-2	yes-2	yes-2	yes-2
water runway	no	yes-6	no	0
Airframe Service	yes	yes	yes	no
Powerplant service	yes	yes	yes	no
Bottled Oxygen	yes	no	no	no
Bulk Oxygen	yes	no	no	no
State or City subsidies	no	yes	yes	yes
Lease rates per square foot	0.21	0.12	0.1	0.07
Tail in Tie down rates	60	55	48	0
Drive Thru Tie down rates	70	65	61	0

directions, 180 degrees apart. Thus, each landing

strip counts as 2 runways in this matrix.

Note 2): According to AirNav.com Girdwood has no tie down opportunities

Note 3): All Merrill rates reflect current/last assembly approved pricing



ATIS: 124.25 WX ASOS: 124.25 (907-271-5277) MERRILL GROUND: 121.7 [0700-0000 MAY 1-AUG 31: 0700-2200 SEP 1-APR 30] MERRILL TOWER: 126.0 127.55 [0700-0000 MAY 1-AUG 31; 0700-2200 SEP 1-APR 30] ANCHORAGE APPROACH: 119.1 **ANCHORAGE DEPARTURE: 119.1** CLASS C: 119.1 WX ASOS at LHD (4 nm SW): 125.6 (907-271-6549) WX ASOS at ANC (5 nm SW): 118.4 or 135.5 (907-271-5278(9) WX AWOS-3 at FRN (6 nm NE): 134.25 or 118.525 (907-384-0132, 3) WX AWOS-3P at BCV (16 nm NE): 135.55 (907-688-0826)

- INTERFERENCE MAY BE RECEIVED ON ATCT FREQS IN TRAFFIC PATTERN FROM FM BROADCAST STATION.
- WHEN ATCT CLOSED CTAF PROCEDURES ARE RECOMMENDED. SEE REGULATORY NOTICES ANCHORAGE TERMINAL AREA MERRILL SEGMENT THIS SUPPLEMENT.
- WHEN ATCT CLSD WX ALSO AVBL ON CTAF, CALL SIGN MERRILL WEATHER OR PHONE 907-271-4355

Nearby radio navigation aids

VOR radial/distance	VOR name	Freq	Var
TEDr033/4.3	ANCHORAGE VOR/DME	113.15	18E
BGQr152/21.6	BIG LAKE VORTAC	112.50	19E

Hdg/Dist Freq Var ID NDB name CAMPBELL LAKE 050/6.4 338 16E CMQ -

Airport Services

Fuel available: 100 JET-A Parking: hangars and tiedowns Airframe service: MAJOR Powerplant service: MAJOR Bottled oxygen: LOW Bulk oxygen: LOW

Runway Information

Runway 7/25

Dimensions: 4000 x 100 ft. / 1219 x 30 m Surface: asphalt, in good condition Weight bearing capacity: Single wheel: 50.0 Double wheel: 80.0 Runway edge lights: medium intensity **RUNWAY 7** Latitude: 61-12.954167N Longitude: 149-51.198333W Elevation: 124.4 ft. Traffic pattern: right left Runway heading: 071 magnetic, 090 true 251 magnetic, 270 true

RUNWAY 25 61-12.954000N 149-49.837333W 136.7 ft.

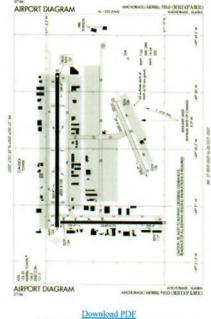
Photo by Vicki Eifert Taken in June 2018 looking southeast.

Do you have a better or more recent aerial photo of Merrill Field Airport that you would like to share? If so, please send us your photo.

Sectional chart



Airport diagram



of official airport diagram from the FAA

Airport distance calculator

Flying to Merrill Field Airport? Find the distance to fly.

From	to PAMR
T CALCUL	ATE DISTANCE

Sunrise and sunset

		Times for 12	Jun-2019
		Local (UTC-8)	Zulu (UTC)
	Morning civil twilight	+	+
20	Sunrise	04:23	12:23

Page	3	of	5
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Visual slope indicator: Runway end identifier lights: Touchdown point:	(3.75 degrees glide path) yes	precision, in good condition 2-box VASI on left (3.00 degrees glide path) yes yes, no lights 37 ft. bldg, 410 ft. from runway, 305 ft. right of centerline, 5:1 slope to	Curren Zulu (U Local (U META PAMR	NR 121553Z 050 SCT060 BKN AO2 SLP127	12-Jun-2019 12-Jun-2019 003KT 10SM -R 080 13/08 A29 P0000 T013300	08:37:02 A 91 RMK 083 \$
Runway 16/34	clear	clear	PAED 3nm NE PALH 4nm SW	FEW045 OVC AO2 DZB39E T01280092 121553Z 070 13/09 A2992	TO 05003KT 10 060 13/09 A29 48 SLP120 P00 004KT 10SM OV RMK AO2 SLP	90 RMK 00 /C065
Surface: Weight bearing capacity: Runway edge lights: Latitude: Longitude: Elevation: Traffic pattern: Runway heading: Markings:	medium intensity RUNWAY 16 61-12.940833N 149-51.151000W 124.4 ft. right 161 magnetic, 180 true basic, in fair condition		PAFR 6nm NE PABV 15nm NE TAF PAED	BKN060 OVC AO2 RAB38E T01440094 \$ 121558Z AUT OVC055 12/1 RAE17 SLP12 121556Z AUT BKN050 OVC AO2 SLP138 121107Z 121 VCSH BKN060 TEMPO 1211/	TO 04004KT 10 0 A2988 RMK . 24 P0000 T0116 TO 00000KT 10 065 13/08 A29	91 RMK 00 SM AO2 50098 SM 92 RMK (T 9999 981INS RA
Visual slope indicator:	(3.00 degrees glide path)	2-light PAPI on left (3.00 degrees glide path)		VRB06KT 999 620606 QNH2	9 NSW BKN060 990INS TEMPO CTS BKN040CB)
Runway end identifier lights: Touchdown point: Obstructions:		yes yes, no lights 26 ft. bldg, 200 ft. from runway, 220 ft. left of centerline, 1:1 slope to clear 26 FT BLDG, 220 FT L OF CNTRLN, 0-200	NOTA Clicl NOTAM will oper	P6SM -SHRAS FM121600 VR BKN100 FM13 P6SM FEW060 Ms k for the lat	test NOTAN y the DoD/FA	0 CT060 2KT

Runway 5/23

Dimensions: 2000 x 60 ft. / 610 x 18 m Surface: asphalt/gravel, in good condition Operational restrictions: RY 05/23 PAVED FIRST 60 FT.

RUNWAY 5 Latitude: 61-12.580317N Longitude: 149-50.708433W Elevation: 130.0 ft. Traffic pattern: left Runway heading: 047 magnetic, 066 true

Markings: , in good condition Runway end identifier lights: no Touchdown point: yes, no lights Obstructions: 32 ft. pole, 146 ft. from runway, 252 ft. right of centerline, 4:1 slope to clear **RUNWAY 23** 61-12.713083N 149-50.085933W 136.0 ft. left 227 magnetic, 246 true , in good condition no yes, no lights 7 ft. fence, 223 ft. right of centerline

FT FROM RWY THR.

NO WATER RUNWRY

Airport Ownership and Management from official FAA records

Ownership: Publicly-owned Owner: MUNICIPALITY OF ANCHORAGE 800 MERRIL FIELD DR. ANCHORAGE, AK 99501-4129 Phone 907-343-6303 Manager: PAUL BOWERS, A.A.E. 800 MERRIL FIELD DR. ANCHORAGE, AK 99501-4129 Phone 907-343-6303

Airport Operational Statistics

Gliders airplanes:

Aircraft based on the field: 844 Single engine airplanes: 786 Multi engine airplanes: 41 Aircraft operation 53% transient gen 47% local general

1

Helicopters: 16

Aircraft operations: avg 346/day * 53% transient general aviation 47% local general aviation <1% air taxi * for 12-month period ending 31 December 2015

Additional Remarks

- MERRILL ARPT WX INFO AVBL ON CTAF (CALL SIGN MERRILL WEATHER) DURG HRS ATCT CLSD OR PHONE 271-4355 DURING HRS WHEN ATCT CLSD.
- USE FREQ 122.55 (RCO) FOR FILING, ACTIVATING, CANCELING FLIGHT PLANS IN ANCHORAGE BOWL AREA.
- MRI RWY 5/23 PAVED FIRST 60 FT REMAINING SFC COMPOSITION IS GRAVEL AND USED SEASONALLY AS A SNOW RUNWAY (SKI EQUIPPED AIRCRAFT USE RECOMMENDED TO MINIMIZE WHEEL RUTTING).
- ALL ACFT IN NON-MOVEMENT AREAS MUST CTC GND CTL PRIOR TO TAXI.
- ANCHORAGE WX CAMERA AVBL ON INTERNET AT HTTP://AVCAMS.FAA.GOV
- RWY 05/23 REFLECTIVE THLDS & EDGE MARKERS.
- PORTIONS OF TWY C BTN TWY S AND TWY N, AND PORTIONS OF TWY Q NOT VISIBLE FROM THE TWR. TWY Q UNCONTROLLED EAST OF TWY C. TWY G UNCONTROLLED BTN TWY N AND RY 05/23. ALL SURFACES SOUTH OF RY 05/23 UNCONTROLLED.
- TWY B UNCONTROLLED SOUTH OF TWY M.
- COMPASS ROSE AVBL WITH PRIOR CDN FM MERRILL FIELD ATCT.
- ARRIVAL/DEPARTURE ROUTES-SEE AREA NOTICES- SPECIAL NOTICE CARTEE AIRSPACE.
- SEAGULLS & RAVENS ON AIRPORT.
- PPR FOR ACFT OVR 12500 LBS.
- ALL RWY & TWY LGTS NON-STD HEIGHT.
- 1 FT TO 8 FT SNOW BERMS & PILES ADJACENT TO RYS & TAXIWAYS DURING WINTER MONTHS.
- MIGRATORY WATERFOWL ON ARPT SPRING & FALL.
- SEE SEPERATE LISTING FOR HOSP HELI.

Instrument Procedures

NOTE: All procedures below are presented as PDF files. If you need a reader for these files, you should <u>download</u> the free Adobe Reader.

NOT FOR NAVIGATION. Please procure official charts for flight. FAA instrument procedures published for use from 23 May 2019 at 0901Z to 20 June 2019 at 0900Z.

IAPs - Instrument Approach Procedures

RNAV (GPS)-A **CHANGED**

NOTE: Special Take-Off Minimums/Departure Procedures apply

Other nearby airports with instrument procedures:

PAED - Elmendorf Air Force Base (3 nm NE)
PANC - Ted Stevens Anchorage International Airport (5 nm SW)
PAFR - Bryant Army Airfield Heliport (6 nm NE)
PAGQ - Big Lake Airport (19 nm N)
PAWS - Wasilla Airport (23 nm N)

FBO, Fuel Providers, and Aircraft Ground Support

Business Name	Contact	Services / Description Aviation fuel, Aircraft parking (ramp of	Fuel Prices	Comments
CROWLEY Crowley	907-222-3000	tiedown), Hangars, Passenger terminal and lounge, Aerial tours / aerial sightseeing, Pilot supplies, Courtesy transportation,	independent 100LL Jet A SS \$5.67 \$4.16 Updated 11-Jun-2019	not yet rated write
		7 More info about Crowley no information available		
Spernak Airways	907-272-9475	If you are affiliated with Spernak Airways and would like to show here your services, contact info, web link, logo, and more, <u>click here</u> no information available	100LL PS \$5.60 Updated 03-Jun-2019	not yet rated <u>write</u>
Lake and Pen Air	907-345-2228	If you are affiliated with Lake and Pen Air and would like to show here your services, contact info, web link, logo, and more, <u>click here</u>	100LL Jet A PS \$5.70 \$4.01 Updated 20-May-2019	not yet rated write
			PS= <u>Pump service</u> SS= <u>Self service</u> UPDATE PRICES	

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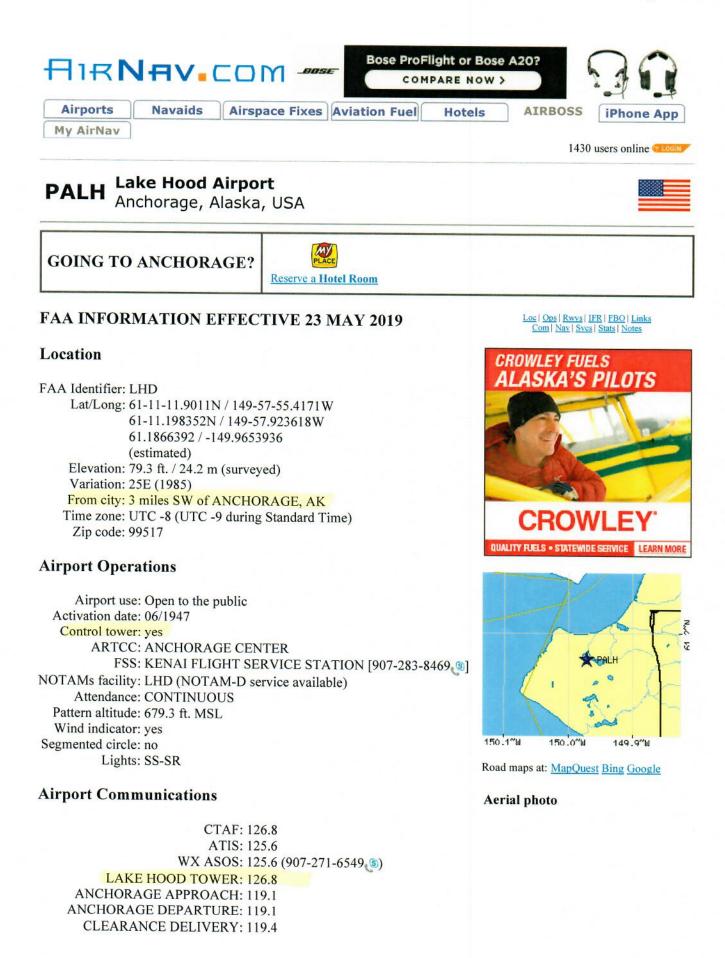
Other Pages about Merrill Field Airport

7 www.muni.org/...

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WARNING: Photo may not be current or correct



Do you have a better or more recent aerial photo of Lake Hood Airport that you would like to share? If so, please send us your photo.

Sectional chart



Airport distance calculator

Flying to Lake Hood Airport? Find the distance to fly.

From		to PALH
TCA	ATE	DISTANCE

Sunrise and sunset

	Times for 12-Jun-2019		
	Local (UTC-8)	Zulu (UTC)	
Morning civil twilight	+	+	
Sunrise	04:24	12:24	
Sunset	23:36	07:36	
Evening civil twilight	+	+	

Current date and time

Zulu (UTC)	12-Jun-2019 16:51:29
Local (UTC-8)	12-Jun-2019 08:51:29

METAR

PALH	121553Z 07004KT 10SM OVC065 13/09 A2992 RMK AO2 SLP131 T01330089
PANC	121553Z 04006KT 10SM FEW050
2nm SW	BKN060 OVC080 14/09 A2991 RMK AO2 RAB38E50 SLP127 P0000 T01440094 \$
PAMR	121553Z 05003KT 10SM -RA
4nm NE	SCT060 BKN080 13/08 A2991 RMK AO2 SLP127 P0000 T01330083 \$
PAED 6nm NE	121556Z AUTO 05003KT 10SM FEW045 OVC060 13/09 A2990 RMK

CLASS C: 119.1

WX ASOS at ANC (1.2 nm SW): 118.4 or 135.5 (907-271-5278 (9) WX ASOS at MRI (4 nm NE): 124.25 (907-271-5277 (9) WX AWOS-3 at FRN (10 nm NE): 134.25 or 118.525 (907-384-0132 (9) WX AWOS-3P at BCV (19 nm NE): 135.55 (907-688-0826 (9)

Nearby radio navigation aids

VOR radial/distance	VOR name	Freq	Var
TEDr334/1.1	ANCHORAGE VOR/DME	113.15	18E
BGQr161/23.0	BIG LAKE VORTAC	112.50	19E

NDB nameHdg/DistFreqVarIDCAMPBELL LAKE053/2.633816ECMQ - . - . - - - - -

Airport Services

Fuel available: 100 100LL JET-A FUEL AVBL RY 14/32 TRANSIENT PARKING AND FM VARIOUS FIXED BASE OPERATORS. Parking: hangars and tiedowns Airframe service: MAJOR Powerplant service: MAJOR Bottled oxygen: NONE Bulk oxygen: NONE

Runway Information

Runway 14/32



RUNWAY 32

61-11.037010N

yes, no lights

79.3 ft.

right

clear

149-57.755785W

308 magnetic, 333 true

27 ft. tree, 650 ft. from

runway, 180 ft. right of

centerline, 24:1 slope to

Dimensions: 2200 x 75 ft. / 671 x 23 m Surface: gravel/dirt, in good condition Weight bearing capacity: Single wheel: LIMITED TO ACFT 9000 LBS OR LESS.

Runway edge lights: medium intensity **RUNWAY 14** Latitude: 61-11.359693N Longitude: 149-58.091452W Elevation: 74.6 ft. Traffic pattern: left Runway heading: 128 magnetic, 153 true Touchdown point: yes, no lights Obstructions: 40 ft. tree, 880 ft. from runway, 170 ft. left of centerline, 22:1 slope to clear

Runway E/W

Dimensions: 4541 x 188 ft. / 1384 x 57 m Surface: water

RUNWAY ERUNWAY WTraffic pattern: leftleft

https://www.airnav.com/airport/PALH

Runway N/S

Dimensions: 1930 x 200 ft. / 588 x 61 m Surface: water

RUNWAY NRUNWAY STraffic pattern: leftleft

Runway SE/NW

Dimensions: 1369 x 150 ft. / 417 x 46 m Surface: water RUNWAY NW RUNWAY SE Traffic pattern: left left

Airport Ownership and Management from official FAA records

Ownership: Publicly-owned Owner: STATE OF AK -- DOT&PF PO BOX 196960 ANCHORAGE, AK 99519-6960 Phone 907-266-2741 Manager: TIM COONS STATE OF AK -- DOT&PF, PO BOX 196960 ANCHORAGE, AK 99519-6960 Phone 907-266-2741

Airport Operational Statistics

Aircraft based on the field:	1032
Single engine airplanes:	999
Multi engine airplanes:	33

Aircraft operations: avg 169/day * 73% local general aviation

24% air taxi

2% transient general aviation <1% commercial

• TOTAL: 1185.

* for 12-month period ending 31 May 2016

Additional Remarks

- PUB RAMPS ON N & W SHORE OF LAKE HOOD.
- ANCHORAGE WX CAMERA AVBL ON INTERNET AT HTTP://AVCAMS.FAA.GOV
 NOISE SENSITIVE AREA IN EFFECT; CTC AMGR 907-266-2741 9 FOR FURTHER INFO.
- TWY V PCL SECURITY GATE EAST OF TWY E; KEY 121.75 5 TIMES TO ACTVT.
- FLOATING DEBRIS ON LAKE.
- SEE NOTICE IN SECTION C FOR AIRPORT LAYOUT GRAPHIC.
- TWY AROUND LAKE HOOD IS A JOINT USE TWY/ROAD & IS USED BY MOTOR VEHICLES/BICYCLISTS/JOGGERS AND TOUR BUSES. USE OF LANDING LIGHT WHEN TAXIING RCMDD.
- TWY H-2/LAKESHORE TWY GATES PCL; KEY 121.75 3 TIMES TO ACTVT.
- PPR FOR NON-RADIO OPNS. CTC FAA AT 907-271-5936 (3). REQUEST TO BE TRANSFERRED TO ATCT. PROVIDE AN ETA AND REMAIN WITHIN PLUS/MINUS 15 MIN. NO NIGHTIME NON-RADIO ACFT OPNS.
- RY 14/32 TFC PATTERNS OVERLAP SEADROME PATTERNS.
- LAKE CLSD TO ACFT OVER 12500 LBS FM FREEZUP TIL APRXLY DEC 31; OVERFLOWS INTO ICE MAY OCCUR WINTER MONTHS.
- AREA NW & SW OF LAKE SPENARD FM CANAL EASTWARD 1500' NOT VSBL FM ATCT.

	AO2 DZB39E48 SLP120 P0000 T01280092
PAFR	121638Z AUTO 02003KT 10SM
10nm NE	E BKN050 OVC070 12/10 A2988 RMK AO2 SLP124
PABV	121556Z AUTO 00000KT 10SM
19nm NE	BKN050 OVC065 13/08 A2992 RMK AO2 SLP138 T01330083
TAF	
PANC	121312Z 1213/1318 17010G18KT
2nm SW	P6SM -SHRA SCT050 BKN080
	FM121600 VRB05KT P6SM SCT060
	BKN100 FM130100 17014G22KT
	P6SM FEW060 SCT100
PAED	121107Z 1211/1317 VRB06KT 9999
6nm NE	VCSH BKN060 620606 QNH2981INS
	TEMPO 1211/1215 9000 -SHRA

BKN040 620408 BECMG 1219/1220

VRB06KT 9999 NSW BKN060 620606 QNH2990INS TEMPO

1223/1303 VCTS BKN040CB

TX22/1222Z TN10/1212Z NOTAMs

7 Click for the latest NOTAMs

NOTAMs are issued by the DoD/FAA and will open in a separate window not controlled by AirNav.

AirNav: PALH - Lake Hood Airport

- FOR AVBLTY OF WINTER SKI OPNS ON LAKE SURFACES, CONSULT LOCAL NOTAMS AND CTC TWR PRIOR TO ARR /DEP.
- NORTH POTHOLE DESIGNATED NO-WAKE AREA TO PROTECT MOORED AIRCRAFT/SHORELINE
- ALL WATERLANES ELEV 76 FT TO LAKE HOOD SEAPLANE BASE (LHD).
- ARRIVAL/DEPARTURE ROUTES; SEE AREA NOTICES.
- LARGE FLOCKS OF MIGRATORY BIRDS INVOF ARPT SPRING TO FALL.

Instrument Procedures

There are no published instrument procedures at PALH.

Some nearby airports with instrument procedures:

PANC - Ted Stevens Anchorage International Airport (1 nm SW)

PAMR - Merrill Field Airport (4 nm NE)

PAED - Elmendorf Air Force Base (6 nm NE)

PAFR - Bryant Army Airfield Heliport (10 nm NE)

PAGQ - Big Lake Airport (21 nm N)

FBO, Fuel Providers, and Aircraft Ground Support

Business Name	Contact	Services / Description	Fuel Prices	Comments
CROWLEY_Crowley	907-222-3000	Aviation fuel	independent 100LL	not yet rated
	,	More info about Crowley no information available	SS \$5.67 Updated 03-Jun-2019	
		no information available		
International Aviation Service	907-243-1515	If you are affiliated with International Aviation Service and would like to show here your services, contact info, web link, logo, and more, <u>click here</u>	100LL Jet A FS \$5.36 \$3.70 Updated 03-Jun-2019	THAT A DE L'UTOP
			FS= <u>Full service</u> SS= <u>Self service</u>	
		6	UPDATE PRICES	

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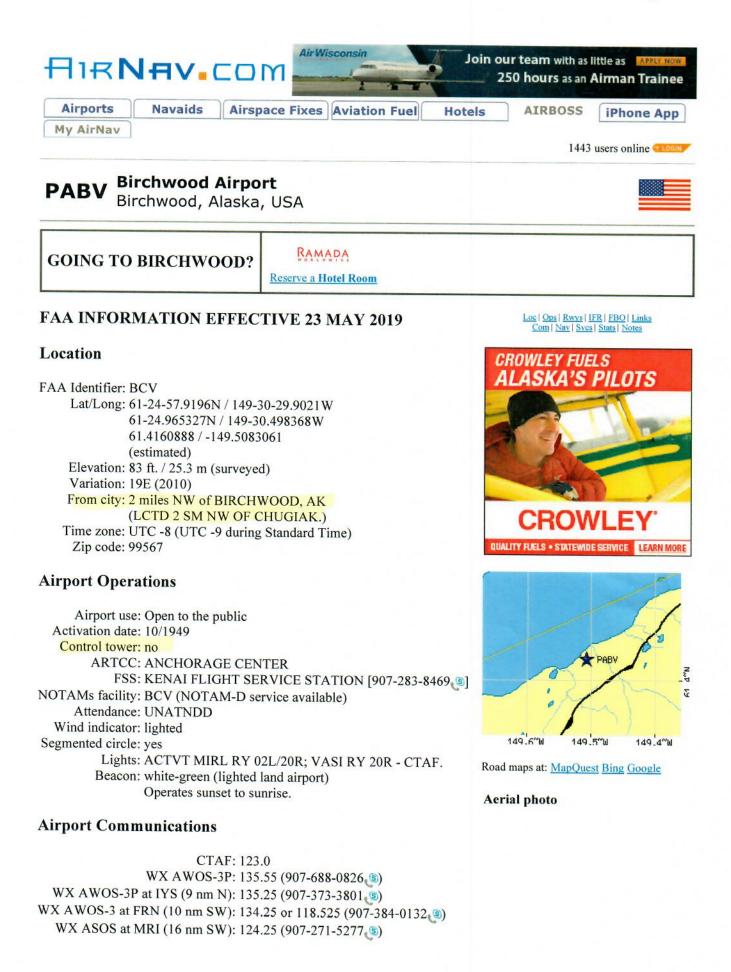
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WX ASOS at PAQ (16 nm NE): 134.75 (907-746-6675 (8)) WX ASOS at LHD (19 nm SW): 125.6 (907-271-6549 (8))

Nearby radio navigation aids

VOR radial/distance	VOR name	Freq	Var
BGQr106/16.0	BIG LAKE VORTAC	112.50	19E
TEDr023/19.8	ANCHORAGE VOR/DME	113.15	18E

NDB nameHdg/DistFreqVarIDCAMPBELL LAKE031/21.433816ECMQ - . - . - - . -

Airport Services

Fuel available: 100LL Parking: hangars and tiedowns Airframe service: MAJOR Powerplant service: MAJOR

Runway Information

Runway 2L/20R

Dimensions: 4010 x 100 ft. / 1222 x 30 m Surface: asphalt, in fair condition Runway edge lights: medium intensity Gradient: S RUNWAY 2L RUNWAY 20R

61-25.214000N

72.6 ft.

condition

FOR VASI.

yes, no lights

slope to clear

no

right

149-30.099500W

200 magnetic, 219 true

nonprecision, in fair

4-box VASI on left KEY MIKE 7 TIMES

55 ft. trees, 1112 ft. from

runway, 120 ft. left and

right of centerline, 16:1

RUNWAY 2L Latitude: 61-24.705500N Longitude: 149-30.971333W Elevation: 72.6 ft. Traffic pattern: left Runway heading: 020 magnetic, 039 true Markings: nonprecision, in fair condition Visual slope indicator:

Runway end identifier lights: no

Touchdown point: yes, no lights Obstructions: 76 ft. trees, 1647 ft. from runway, 19:1 slope to clear -5 FT FENCE 195 FT FM PAVEMENT EDGE.

Runway 2R/20L

Dimensions: 1800 x 50 ft. / 549 x 15 m Surface: gravel, in fair condition WARNING: Photo may not be current or correct



Taken in August 2005

Do you have a better or more recent aerial photo of Birchwood Airport that you would like to share? If so, please <u>send us your photo</u>.

Sectional chart



Airport distance calculator

Flying to Birchwood Airport? Find the distance to fly.



Sunrise and sunset

	Times for 12-Jun-2019	
	Local (UTC-8)	Zulu (UTC)
Morning civil twilight	+	+
Sunrise	04:19	12:19
Sunset	23:37	07:37
Evening civil twilight	+	+

Current date and time

	2.7.7.7.7.7.7.7.7.
Zulu (UTC)	12-Jun-2019 16:52:04
Local (UTC-8)	12-Jun-2019 08:52:04

METAR

PABV	121556Z AUTO 00000KT 10SM BKN050 OVC065 13/08 A2992 RMK AO2 SLP138 T01330083
PAFR 10nm SW	121638Z AUTO 02003KT 10SM BKN050 OVC070 12/10 A2988 RMK AO2 SLP124
PAED 13nm SW	121556Z AUTO 05003KT 10SM FEW045 OVC060 13/09 A2990 RMK AO2 DZB39E48 SLP120 P0000 T01280092

 RUNWAY 2R
 RUNWAY 20L

 Latitude: 61-24.863667N
 61-25.091833N

 Longitude: 149-30.611667W
 149-30.220000W

 Elevation: 72.6 ft.
 72.6 ft.

 Traffic pattern: left
 right

Airport Ownership and Management from official FAA records

Ownership: Publicly-owned Owner: ALASKA DOT&PF CENTRAL REGION PO BOX 196900 ANCHORAGE, AK 99519-6900 Phone (907) 338-1466 Manager: TOM GRMAN 5300 E. TUDOR ROAD, STATE OF ALASKA DOTPF CR ANCHORAGE, AK 99507-1249 Phone 907-338-1432 S

Airport Operational Statistics

Aircraft based on the field: 294

- Aircraft operations: avg 192/day *
- Single engine airplanes: 254
- 50% transient general aviation 50% local general aviation
- Multi engine airplanes: 6
 - 30% local gel 3 <1% military</p>
 - Helicopters: 3 Gliders airplanes: 6

Ultralights: 25

* for 12-month period ending 31 December 2013

Additional Remarks

- RWY USED FOR SAILPLANE OPERATIONS OCCASIONALLY.
- ARPT HAS DESIGNATED TRANSIENT ACFT PARKING AVBL. FIRST 24 HRS FREE. PAY AT PILOT SHACK.
- HELICOPTERS AVOID FIXED WING AND ULTRALIGHT TRAFFIC PATTERN.
- WX CAMERA AVBL ON INTERNET AT HTTP://AVCAMS.FAA.GOV
- TUNDRA TIRES/SKI STRIP IS NOT MAINTAINED IN THE WINTER MONTHS. BEWARE OF POSSIBLE HUMPS, BUMPS, AND RUTS.
- UNATTENDED. RUNWAY CONDITION NOT MONITORED, RECOMMEND VISUAL INSPECTION PRIOR TO LANDING.
- MID 1500 FT OF TWY A DESIGNATED AS RY FOR ULTRALIGHT & SKI/TUNDRA TIRE EQUIPPED ACFT, NO PARALLEL OPS ALLOWED - SEQUENCE ON CTAF.
- ULTRALIGHT RY SKI/TUNDRA TIRE RWY.
- RGT TFC PATTERN RY 20L AND 20R EXCEPT ULTRALIGHT ACFT USE LEFT TFC PATTERN EAST AWAY FROM ALL RYS.

Instrument Procedures

There are no published instrument procedures at PABV.

Some nearby airports with instrument procedures:

PAWS - Wasilla Airport (9 nm N)

PAFR - Bryant Army Airfield Heliport (10 nm SW)

- PAGQ Big Lake Airport (11 nm NW)
- PAED Elmendorf Air Force Base (13 nm SW)

PAMR - Merrill Field Airport (16 nm SW)

PAAQ - Warren "Bud" Woods Palmer Municipal Airport (16 nm NE)

PAMR 15nm SW	121553Z 05003KT 10SM -RA SCT060 BKN080 13/08 A2991 RMK AO2 SLP127 P0000 T01330083 \$
PAAQ L6nm NE	121553Z AUTO 00000KT 105M BKN065 OVC090 12/07 A2990 RMK AO2 SLP128 T01220072 TSNO
PALH 19nm SW	121553Z 07004KT 10SM OVC065 13/09 A2992 RMK AO2 SLP131 T01330089
ΓAF	

 PAED
 121107Z 1211/1317 VRB06KT

 13nm SW
 9999 VCSH BKN060 620606

 QNH2981INS TEMPO 1211/1215
 9000 -SHRA BKN040 620408

 BECMG 1219/1220 VRB06KT 9999
 NSW BKN060 620606 QNH2990INS

 TEMPO 1223/1303 VCTS BKN040CB
 TX22/1222Z TN10/1212Z

 PAAO
 121121Z 1212/1312 VRB06KT

 16nm NE
 P6SM VCSH SCT060 BKN100

 BKN250 FM130000 15011G19KT
 P6SM VCSH SCT060 BKN100

 BKN250 FM130600 VRB05KT P6SM
 VCSH OVC100

NOTAMs

Click for the latest NOTAMs

NOTAMs are issued by the DoD/FAA and will open in a separate window not controlled by AirNav.

FBO, Fuel Providers, and Aircraft Ground Support

Business Name	Contact	Services / Description	Fuel Prices	Comments
	n	o information available	100LL	not yet rated
C2 Aviation	1	f you are affiliated with C2 Aviation and vould like to show here your services, contact nfo, web link, logo, and more. <u>click here</u>	SS \$5.10 Updated 30- Aug-2018	write
			Self service TE PRICES	

Would you like to see your business listed on this page?

If your business provides an interesting product or service to pilots, flight crews, aircraft, or users of the Birchwood Airport, you should consider listing it here. To start the listing process, click on the button below

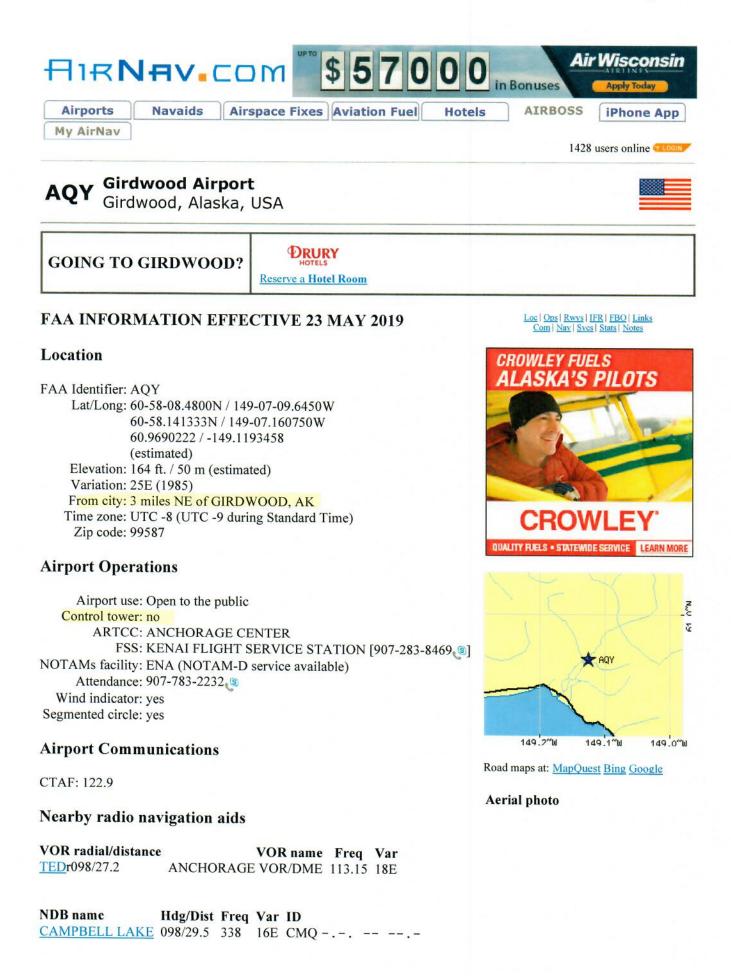
T ADD YOUR BUSINESS OR SERVICE

Other Pages about Birchwood Airport



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Parking: tiedowns Airframe service: NONE Powerplant service: NONE Bottled oxygen: NONE Bulk oxygen: NONE

Runway Information

Runway 2/20

Dimensions: 2095 x 60 ft. / 639 x 18 m Surface: gravel, in good condition Runway edge markings: NSTD MKGS RYS 02 & 20 THLDS MKD BY REFLECTORS. RY EDGES UNMARKED. Gradient: NORTH

RUNWAY 2 Latitude: 60-58.008667N Longitude: 149-07.385833W Elevation: 134.0 ft. Traffic pattern: left Runway heading: 015 magnetic, 040 true Markings: NSTD, in good condition Obstructions: 8 ft. brush, 105 ft. left of centerline

RUNWAY 20 60-58.274000N 149-06.935667W 164.0 ft. left 195 magnetic, 220 true NSTD, in good condition 12 ft. brush, 110 ft. right of centerline

Airport Ownership and Management from official FAA records

Ownership: Publicly-owned Owner: ALASKA DOT&PF CENTRAL REGION P.O. BOX 196900 ANCHORAGE, AK 99519-6900 Phone 907-269-0770 Manager: PAUL BERTHOLL

STATE OF ALASKA DOT/PF GIRDWOOD, AK 99587 Phone 907-783-2232

Airport Operational Statistics

- Aircraft based on the field: 15
- Aircraft operations: avg 77/week *
- Single engine airplanes: 9 Helicopters: 6
 - 9 50% air taxi
 - 25% transient general aviation 25% local general aviation
 - * for 12-month period ending 31 December 2017

Additional Remarks

- RY CONDITION NOT MONITORED. RECOMMEND VISUAL INSPECTION PRIOR TO LANDING.
- 200 FT SAFETY AREA AT EACH END RY 02/20.
- FOR WSO PHONE 271-3491.
- PARAGLIDING ACTIVITY ON ARPT.

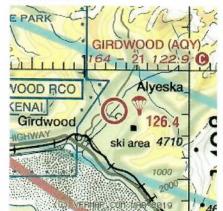
WARNING: Photo may not be current or correct



Photo by Jonathan Tack Photo taken 07-Aug-2006

Do you have a better or more recent aerial photo of Girdwood Airport that you would like to share? If so, please <u>send us your photo</u>.

Sectional chart



Airport distance calculator

Flying to Girdwood Airport? Find the distance to fly.



Sunrise and sunset

	Times for 12-Jun-2019	
	Local (UTC-8)	Zulu (UTC)
Morning civil twilight	+	+
Sunrise	04:23	12:23
Sunset	23:29	07:29
Evening civil twilight	+	+

Current date and time

Zulu (UTC)	12-Jun-2019 16:52:38
Local (UTC-8)	12-Jun-2019 08:52:38

METAR

PATO	121553Z AUTO 10007KT 10SM
14nm SE	FEW027 SCT037 OVC050 10/09
	A2995 RMK AO2 RAB03E32 SLP143
	P0001 T01000094 TSNO \$
PAFR	121638Z AUTO 02003KT 10SM
24nm NW	BKN050 OVC070 12/10 A2988 RMK AO2 SLP124
PAMR	121553Z 05003KT 10SM -RA
26nm NW	SCT060 BKN080 13/08 A2991 RMK
	AO2 SLP127 P0000 T01330083 \$

- CABLE 100 FT AGL RUNS FROM NEW HOTEL TO ROUNDHOUSE.
- SEGMENTED CIRCLE OVERGROWN.
- SEASONAL HANG GLIDER AND PARASAIL ACTIVITY 2 NM NE OF ARPT DURING DALGT HRS.

Instrument Procedures

There are no published instrument procedures at AQY.

Some nearby airports with instrument procedures:

- <u>PAFR</u> Bryant Army Airfield Heliport (24 nm NW)
- PAMR Merrill Field Airport (26 nm NW)
- PAED Elmendorf Air Force Base (26 nm NW)
- PANC Ted Stevens Anchorage International Airport (28 nm NW)
- PAAQ Warren "Bud" Woods Palmer Municipal Airport (38 nm N)

 PAED
 121556Z AUTO 05003KT 10SM

 26nm NW
 FEW045 OVC060 13/09 A2990 RMK

 AO2 DZB39E48 SLP120 P0000
 T01280092

TAF

PAED 121107Z 1211/1317 VRB06KT 26nm NW 9999 VCSH BKN060 620606 QNH2981INS TEMPO 1211/1215 9000 -SHRA BKN040 620408 BECMG 1219/1220 VRB06KT 9999 NSW BKN060 620606 QNH2990INS TEMPO 1223/1303 VCTS BKN040CB TX22/1222Z TN10/1212Z 121312Z 1213/1318 17010G18KT PANC 29nm NW P6SM -SHRA SCT050 BKN080 FM121600 VRB05KT P6SM SCT060 BKN100 FM130100 17014G22KT P6SM FEW060 SCT100

NOTAMs

Click for the latest NOTAMs

NOTAMs are issued by the DoD/FAA and will open in a separate window not controlled by AirNav.

Would you like to see your business listed on this page?

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7 ADD YOUR BUSINESS OR SERVICE

Other Pages about Girdwood Airport

7 girdwoodairport.com

WPDATE, REMOVE OR ADD A LINK

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HANGAR FEES AND DEPOSIT SCHEDULE Effective January 1, 2019

HANGAR TYPE	MONTHLY RATE	12.84% LET TAX	TOTAL MONTHLY RENT	ONE MONTH RENT DEPOSIT
Tie Down - Small	49.72	Tax: 6.38	56.10	No Deposit Required
Tie Down - Large	80.60	Tax: 10.35	90.95	No Deposit Required
Open Hangars/Plane Ports 40'wide X 28'deep X 12'high	197.23	Tax: 25.32	222.55	Deposit Required
T-Hangars A-B-C& F 40'wide X 32'deep Doors 12' High	253.28	Tax: 32.52	285.80	Deposit Required
T-Hangar G45'wide X 40'deep; Doors 13'-8" High, Open 44 ½ ft. <i>Light Twin</i>	366.45	Tax: 47.05	413.50	Deposit Required
Exec. Hangars D-E 60'x46' Doors 16' high, Open 53' Large Twin (2 per hangar share)	628.41	Tax: 80.69	709.10	Deposit Required
OTHER RATES/CHARGES			And the second second	
Key & Gate Card Deposits		\$ 20.00	Refundable when key/card returned	
Aircraft Impound Fee		\$ 75.00		
Landside Aircraft Launch Fee		\$ 10.00 Per Day		
Vehicle Parking Fee		\$ 3.75	Per Day	

ITINERANT TIE-DOWN CHARGES (<i>First</i> AIRCRAFT CERTIFICATED MAX WT	DAILY	State State
0 to 12,000 lbs.	\$ 5.00	
12,001 to 26,000 lbs.	\$10.00	
26,001 to 54,000 lbs.	\$20.00	
54,001 to 117,000 lbs	\$30.00	

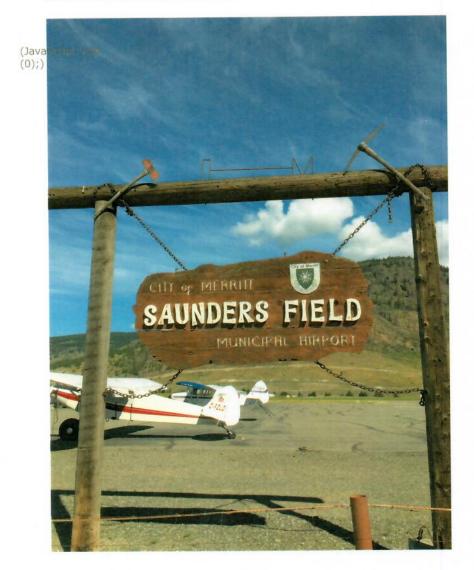
FUEL FLOWAGE FEE: (cents per gallon		
Licensed Dealer for Line Service	\$ 0.07 plus tax (LET)	
Other	\$ 0.14 plus tax (LET)	
TRANSIENT LANDING FEE:		
Per 1,000 lbs. Certified Gross Weight	\$ 1.40	
(Aircraft 12,500 lbs & greater)		
Minimum	\$17.50	

C:\Users\loriew\AppData\Local\Temp\2019 Hangar Rates_251538\2019 Hangar Rates.docx

Airport | City of Merritt

Airport

City of Merritt Airport



Airport Parking / Tie Down Fees	Rate*
Annual rental	\$280.00
Monthly rental	\$50.00
Weekly rental	\$20.00
Daily rental	\$6.00

Terminal Building Rental	Rate*	
Non-profit Organization or Event (two hour minimum)	\$25.00	
Non-profit Organization or Event - daily charge	\$75.00	
Commercial Organization or Event - hourly charge (two hour minimum)	\$50.00	

City Services (/City-Services)

- Office of the CAO (/cityservices/office-cao)
- Organizational Chart (/cityservices/organizational-chart)
- Finance (/cityservices/finance)
- Recreation & Facilities (/cityservices/recreation-facilities)
- Engineering & Public Works (/city-services/engineeringpublic-works)
- Economic Development (/cityservices/economicdevelopment-)
- Planning & Development (/city-services/planningdevelopment)
- Bylaw Enforcement (/doingbusiness/planning-anddevelopment/bylawenforcement-servicesbusiness-licencing)
- Fire Services (http://firerescue.merritt.ca)
- Community Policing (/cityservices/community-policing)
- Cemetery (/cityservices/cemetery)
- Airport (/cityservices/airport)
- Emergency Preparedness (/city-services/emergencypreparedness)

Commercial Organization or Event - daily charge	\$150.00
Security Deposit (refundable)	\$200.00

*In addition, all above charges are subject to applicable taxes.

Fuel pump on site.

Jet A - 44,000.00 litre at \$1.40 per litre 1100 LL - 22,000 litres at \$1.75 per litre visit: <u>http://www.100ll.ca/index.php (http://www.100ll.ca/index.php)</u>

Visa/MasterCard at the pump. (JavaScript:void

(0);)

For further information contact City of Merritt at 250-378-4224 (s.

Airport lots are currently under appraisal for future development.

VISITORS

(JavaScript:void (0);)

Easily accessible by the Coquihalla Highway, the City of Merritt is a thriving community situated at an elevation of 595 metres above sea level. Merritt tends to experience mild winters, and warm, dry, sunny summers. Come experience Merritt's unique blend of urban lifestyle, and outdoor adventure.

Discover Merritt » (/discover-merritt)

ECONOMIC DEVELOPMENT

Situated 271 kilometres northeast of Vancouver, Merritt is the hub of several major highway systems. The city has direct links to the Lower Mainland, to Kamloops, and to Kelowna and the Okanagan Valley by way of the Coguilhalla Highway system. The Trans-Canada Highway and Yellowhead Highway provide direct links to the east.

Invest Here » (/doing-business)

PUBLIC WORKS

The Public Works team of professional technical and skilled staff is a very diverse and experienced group dedicated to providing essential services in support of the city and community. The Public Works team works hard at providing water, sewer, road maintenance and many other services to the citizens of Merritt.

Work for You >> (http://www.merritt.ca/cityservices/engineering-public-works)



City of Merritt 2185 Voght Street PO Box 189 Merritt, B.C. V1K 1B8 Contact Tel: 250.378.4224 250.378.2600 Fax: Email: info@merritt.ca

Hours of Operation

Monday - Friday 8:30 am - 4:30 pm City Hall is closed (mailto:info@merritt.on stat holidays

Select Language V

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