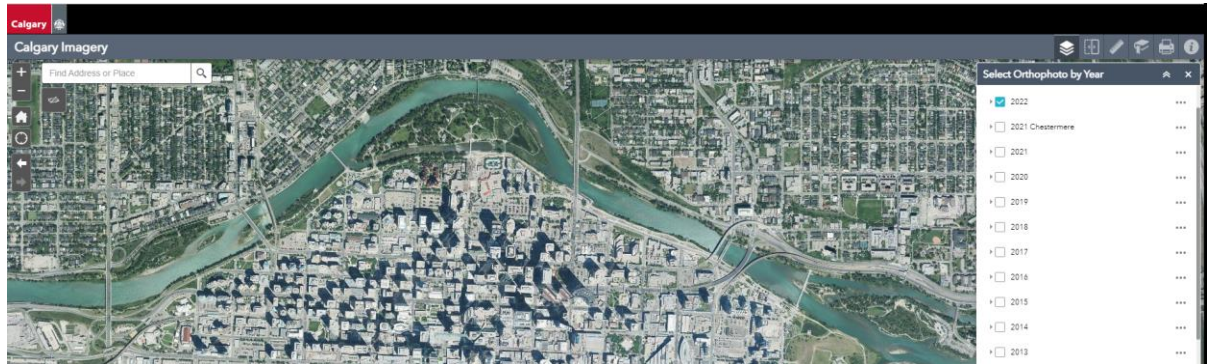


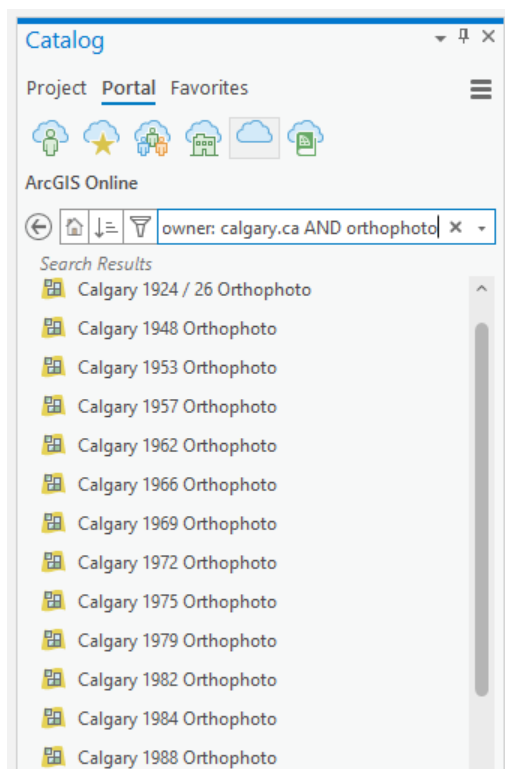
CALGARY AERIAL ORTHOPHOTO ALL YEARS LIST

Data Steward Contact: Geospatial Business Solutions division, GBS@Calgary.ca
Updated: 2025/02/07

The City of Calgary has over 35 years of aerial orthophoto mosaics available from 2024 back to 1924. The full resolution orthophotos can be viewed online on our public map gallery at:
<https://maps.calgary.ca/CalgaryImagery/>



For **ArcGIS** software users, these current and historic orthophotos are hosted on ArcGIS Online for use in GIS and CAD software. These image services are hosted for public viewing and for web mapping applications. To quickly find our orthophoto using ArcGIS Pro, search ArcGIS Online using the search key “**owner: calgary.ca AND orthophoto**”. (You will need an ArcGIS Online account)



City of Calgary ArcGIS Online orthophoto tile services main directory:
<https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/>

WMTS service is also enabled for each orthophoto for GIS and CAD software users. Specific WMTS reference links can be found for each orthophoto in the list below.

Latest Orthophoto WMTS link (2024, updates to newest ortho year once available):
https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/CurrentOrthophoto_WMASP/MapServer/WMTS

The image services listed below are hosted for both City and public viewing, not requiring a license agreement to view. The distribution of orthophoto files to external contractors or third parties, does require an appropriate license agreement and must be arranged with the Innovation, Data & External Access division by emailing Data@Calgary.ca. The City of Calgary has full ownership of most orthophoto years, but a few past years are licensed for internal City of Calgary & contractor use only.

City of Calgary Coordinate System: 3TM NAD83 Alberta 114W, (EPSG code 3776)
AGOL Web Tiles Coordinate System: Web Mercator Auxiliary Sphere WGS84, (EPSG code 3857)

Complete List of Available City of Calgary Orthophoto:

2024 Pictometry

- Photo Date: Sep 6-7, 2024
- Pixel Size: 7.5 cm
- Coverage: Calgary
- Bands: RGB Colour
- Airborne Sensor Type: EagleView Reveal Imaging System
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*

2024

- Photo Date: Jun 11, 20, Jul 20 & Aug 29, 2024
- Pixel Size: 10 cm
- Coverage: Calgary
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Leica DMCIII
- WMTS Link:
https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2024/MapServer/WMTS

2023 Pictometry

- Photo Date: Sep 24-26, 2023
- Pixel Size: 7.5 cm
- Coverage: Calgary
- Bands: RGB Colour
- Airborne Sensor Type: EagleView Reveal Imaging System
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*

2023

- Photo Date: Jun 26, 29, Aug 14 & Sep 16, 2023
- Pixel Size: 10 cm
- Coverage: Calgary
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam Eagle M3
- WMTS Link:
https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2023/MapServer/WMTS

2022 Pictometry

- Photo Date: Sep 1-2, 2022
- Pixel Size: 7.5 cm
- Bands: RGB Colour
- Airborne Sensor Type: EagleView Reveal Imaging System
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*

2022

- Photo Date: Jul 11, 12, 15 & Aug 1, 2022
- Pixel Size: 10 cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam Eagle M3
- WMTS Link:
https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2022/MapServer/WMTS

2021 Pictometry

- Photo Date: Sep 14 & 21, 2021
- Pixel Size: 7.5 cm
- Bands: RGB Colour
- Airborne Sensor Type: EagleView Reveal Imaging System
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*

2021

- Photo Date: May 30, 31 & Jun 11, 2021
- Pixel Size: 10 cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam Eagle M3
- WMTS Link:
https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2021/MapServer/WMTS

2020 Pictometry

- Photo Date: Sep 9-11, 2020
- Pixel Size: 7.5 cm
- Bands: RGB Colour
- Airborne Sensor Type: EagleView Reveal Imaging System
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*

2020

- Photo Date: May 28, 30 & Jun 10, 2020
- Pixel Size: 10 cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam Eagle M3
- WMTS Link:
https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2020/MapServer/WMTS

2019

- Photo Date: May 27-28 & Jun 12, 2019
- Pixel Size: 10 cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam Eagle M3
- WMTS Link:
https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2019/MapServer/WMTS

2018

- Photo Date: May 13-15, 2018
- Pixel Size: 10 cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Leica DMC III
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2018/MapServer/WMTS

2017

- Photo Date: May 28 to Jun 12, 2017
- Pixel Size: 10cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam Eagle
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2017/MapServer/WMTS

2016

- Photo Date: May 1 & Jun 5, 2016
- Pixel Size: 10cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam Eagle
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2016/MapServer/WMTS

2015

- Photo Date: May 22, 2015
- Pixel Size: 10cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam Eagle
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2015/MapServer/WMTS

2014

- Photo Date: Oct 2-4, 2014,
- Pixel Size: 25cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam Eagle
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2014/MapServer/WMTS

2013

- Photo Date: Sep 12, 2013
- Pixel Size: 25cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam Eagle
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2013/MapServer/WMTS

2013 Post Flood

- Photo Date: Aug 11, 2013
- Pixel Size: 10cm
- Bands: RGB Colour
- Airborne Sensor Type: Vexcel UltraCam Eagle
- Covers Bow & Elbow River areas only
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_PostFlood_20130811/MapServer/WMTS

2013 Flood

- Photo Date: Jun 22, 2013
- Time: 8:00am to 9:30am MDT
- Pixel size: 10cm
- Bands: RGB Colour
- Airborne Sensor Type: Vexcel UltraCam Eagle
- Covers Bow & Elbow River areas only
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_Flood_20130622/MapServer/WMTS

2012

- Photo Date: Sep 23, 2012
- Pixel Size: 25cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam X
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2012/MapServer/WMTS

2011

- Photo Date: Sep 27 & 30, 2011
- Pixel Size: 25cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam X
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2011/MapServer/WMTS

2010

- Photo Date: Sep 23-29, 2010
- Pixel Size: 30cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Vexcel UltraCam X
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2010/MapServer/WMTS

2009

- Photo Date: Sep 24-27, 2009
- Pixel Size: 30cm
- Bands: RGB Colour & NIR
- Airborne Sensor Type: Leica ADS80 airborne digital imaging sensor
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2009/MapServer/WMTS

2008

- Photo Date: Oct 9 & 11, 2008
- Pixel Size: 30cm
- Bands: RGB Colour
- Airborne Sensor Type: DiMac digital camera
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2008/MapServer/WMTS

2007

- Photo Date: Oct 13-14, 2007
- Photo Scale: 1:20,000
- Pixel Size: 30 cm
- Bands: RGB Colour
- Airborne Sensor Type: Leica RC30 aerial film camera
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2007/MapServer/WMTS

2006

- Photo Date: Sep 24, 2006
- Photo Scale: 1:20,000
- Pixel Size: 30cm
- Bands: RGB Colour
- Airborne Sensor Type: Leica RC30 aerial film camera
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2006/MapServer/WMTS

2005

- Photo Date: Sep 19 & Oct 9, 2005
- Photo Scale: 1:30,000
- Pixel Size: 50cm
- Bands: RGB Colour
- Airborne Sensor Type: Leica RC30 aerial film camera
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2005/MapServer/WMTS

2005 Flood

- Photo Date: Jun 19, 2005
- Time: 11:56am to 2:10pm MDT
- Photo Scale: 1:10,000
- Pixel Size: 25cm
- Bands: Grayscale single band
- Airborne Sensor Type: Leica RC30 aerial film camera
- Covers Bow & Elbow river areas only
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_Flood_20050619/MapServer/WMTS

2004

- Photo Date: Nov 11, 2004
- Photo Scale: 1:25,000
- Pixel Size: 40cm
- Bands: RGB Colour
- Airborne Sensor Type: Leica RC30 aerial film camera
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2004/MapServer/WMTS

2003

- Photo Date: Oct 1, 2003
- Photo Scale: 1:25,000
- Pixel Size: 50cm
- Bands: RGB Colour
- Airborne Sensor Type: Leica RC30 aerial film camera
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2003/MapServer/WMTS

2001

- Photo Date: Sep 8, 2001
- Photo Scale: 1:30,000
- Pixel Size: 50cm
- Bands: RGB Colour
- Airborne Sensor Type: Leica RC30 aerial film camera
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_2001/MapServer/WMTS

1999

- Photo Date: Sep 19, 1999
- Photo Scale: 1:30,000
- Pixel Size: 50cm
- Bands: RGB Colour
- Airborne Sensor Type: Leica RC30 aerial film camera
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1999/MapServer/WMTS

1997

- Photo Date: Sep 9, 1997
- Photo Scale: 1:30,000
- Pixel Size: 50cm
- Bands: RGB Colour
- Airborne Sensor Type: Leica RC30 aerial film camera
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1997/MapServer/WMTS

1995

- Photo Date: May 4-11 & Jul 12, 1995
- Photo Scale: 1:5,000
- Pixel Size: 15cm
- Bands: Grayscale single band
- Airborne Sensor Type: Zeiss LMK aerial film camera
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1995/MapServer/WMTS

1988

- Photo Date: Apr 15, 1988
- Photo Scale: 1:20,000
- Pixel Size: 50cm
- Bands: Grayscale single band
- Airborne Sensor Type: Wild/Leica RC10 aerial film camera
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1988/MapServer/WMTS

1984

- Photo Date: Sep 30, 1984
- Photo Scale: 1:25,000
- Pixel Size: 50cm
- Bands: Grayscale single band
- Airborne Sensor Type: Wild/Leica RC8 aerial film camera
- May not meet normal orthophoto accuracy specs.
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1984/MapServer/WMTS

1982

- Photo Date: Apr 25, 1982
- Photo Scale: 1:10,000
- Pixel Size: 30cm
- Bands: Grayscale single band
- Airborne Sensor Type: Wild/Leica RC8 aerial film camera
- May not meet normal orthophoto accuracy specs.
- *Licensed for City of Calgary & contractor use. Public display allowed with permission.*
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1982/MapServer/WMTS

1979

- Photo Date: Nov 7, 1979 (& Apr 19, 1980, for the two northern most flight lines)
- Photo Scale: 1:10,000
- Pixel Size: 30cm
- Bands: Grayscale single band
- Airborne Sensor Type: Wild/Leica RC8 aerial film camera
- May not meet normal orthophoto accuracy specs.
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1979/MapServer/WMTS

1975

- Photo Date: Sep 8-13, 1975
- Photo Scale: 1:12,000
- Pixel Size: 30cm
- Bands: Grayscale single band
- Airborne Sensor Type: Wild/Leica RC8 aerial film camera
- May not meet normal orthophoto accuracy specs.
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1975/MapServer/WMTS

1972

- Photo Date: May 30 & Jun 2, 1972
- Photo Scale: 1:12,000
- Pixel Size: 30cm
- Bands: Grayscale single band
- Airborne Sensor Type: Wild/Leica RC8 aerial film camera
- May not meet normal orthophoto accuracy specs.
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1972/MapServer/WMTS

1969

- Photo Date: Apr 9 & May 27, 1969
- Photo Scale: 1:12,000
- Pixel Size: 30cm
- Bands: Grayscale single band
- Airborne Sensor Type: Wild/Leica RC8 aerial film camera
- May not meet normal orthophoto accuracy specs.
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1969/MapServer/WMTS

1966

- Photo Date: Mar 28-29, Apr 22, 1966 (*and Aug/Sep 1966 in the far SW corner*)
- Photo Scale: 1:12,000
- Pixel Size: 25cm
- Bands: Grayscale single band
- Airborne Sensor Type: Wild/Leica RC5a aerial film camera
- Orthophoto was created from scanned contact prints. (*some blemishes, damage present*)
- May not meet normal orthophoto accuracy specs.
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1966/MapServer/WMTS

1962

- Photo Date: Jun 8 & Sep 17-20, 1962
- Photo Scale: 1:32,000
- Pixel Size: 60cm
- Bands: Grayscale single band
- Airborne Sensor Type: Wild/Leica RC5a aerial film camera
- May not meet normal orthophoto accuracy specs.
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1962/MapServer/WMTS

1957

- Photo Date: Sep 25, 1957
- Photo Scale: 1:40,000
- Pixel Size: 1.0m
- Bands: Grayscale single band
- Airborne Sensor Type: Wild/Leica RC5a aerial film camera
- (*4 exposures in SE Calgary are missing*)
- May not meet normal orthophoto accuracy specs.
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1957/MapServer/WMTS

1953

- Photo Date: Jul 30 & Aug 6, 1953
- Photo Scale: 1:12,000
- Pixel Size: 25cm
- Bands: Grayscale single band
- Airborne Sensor Type: Fairchild F224 or K17B aerial film camera (*unconfirmed*)
- Orthophoto was created from scanned contact prints. (*some blemishes, damage present*)
- May not meet normal orthophoto accuracy specs.
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1953/MapServer/WMTS

1948

- Photo Date: May 7, Aug 8, Aug 31, 1948
- Photo Scale: 1:20,000
- Pixel Size: 50cm
- Bands: Grayscale single band
- Airborne Sensor Type: Williamson Ordnance Survey Camera (6" Ross wide angle survey lens)
- Orthophoto was created from scanned contact prints. (*some blemishes, damage present*)
- May not meet normal orthophoto accuracy specs.
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1948/MapServer/WMTS

1924-1926

- Photo Date: Oct 7-18, 1924 (inner city) and May 1 to Nov 5, 1926 (outer areas)
- Photo Scale: 1924 1:20000 and 1926 1:28000
- Pixel Size: 1.0 m
- Bands: Grayscale single band
- Airborne Sensor Type: Fairchild K-3 aerial film camera
- Orthophoto was created from scanned contact prints. (*some blemishes, damage present*)
- There are some gaps in coverage between flight lines.
- May not meet normal orthophoto accuracy specs.
- WMTS Link:

https://tiles.arcgis.com/tiles/AVP60cs0Q9PEA8rH/arcgis/rest/services/Calgary_Orthophoto_Web_1924_26/MapServer/WMTS