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1. Getting Started

1. What is the *Aerial Photo Viewer*

The Aerial Photo Viewer allows you to:

- Search, view and order Tasmanian aerial images
- Select photos on an **interactive map**
- Use filters to refine the **search by time and scale**
- View each aerial photos as a **thumbnail image**
- Purchase **aerial photos** by sending details via email
- Each individual photo cost \$49.50 (incl. GST)
- Each individual orthophoto frame costs \$132 (incl. GST)



The *Aerial Photo Viewer (Viewer)* is an online app that allows you to search and view available aerial photography and aerial orthophotography (orthophotos)* over Tasmania.

TheLIST has a library of aerial photography dating back to the 1940's and is currently in the process of creating a digital index and digital scans of that photography.

The *Viewer* shows the aerial and orthophoto coverage for each frame that is currently indexed and enables you to view a low-resolution thumbnail of the selected frame. It allows you to email an enquiry to the LIST about obtaining full resolution scans or orthophotos of the desired frame(s) in digital format. (Note it is not an online ordering system).

*An orthophoto is an aerial photo that has been scale corrected and georeferenced. This enables it to be used as a mapping background as it will be aligned with other information such as contours or property boundaries.

2. Compatible browsers and devices

The *Viewer* will work in all supported browsers, as well as smart phones and tablets.

3. A quick look at the *Viewer*

See diagram on the next page for a description of key components of the *Viewer*.

Share Map
Print Map

Zoom in Out here or use the scroll wheel while pointing at location

Search by:
Address, Place or Lat Long

The screenshot shows the Aerial Photo Viewer interface. On the left, there is a sidebar with sections for 'Order', 'Print', and 'Share'. Below this is a 'Costs' section with a list of prices and a 'How To Order' section with instructions and a contact email. A 'Filter results' section allows users to filter by scale and film number. At the bottom of the sidebar are 'Bookmarks' for various locations like Hobart, Launceston, and Burnie. The main area is a map of Tasmania with a grid of blue photo coverage boxes. A search bar at the top right allows for address, place, or lat/long searches. A 'Year Time slider' at the bottom center allows filtering by date range. A 'Photo Details' pop-up window shows information for a specific photo, including film number, frame, scale, and date, with a 'Zoom to' button. A 'Base Map alternatives' section is also visible.

Toggle off/on Year Time slider toolbar below

How to order

Click on a blue coverage box to display the Aerial Photo Details.

Toggle through multiple photo selections

Copy Past film frame details to email

Filter results based on scale or search by film number

Base Map alternatives

Quick Zoom Bookmarks

Click and drag the two date indicators to filter a date range of photographs

Open the map on your phone - QR Scan



2. Finding a location

1. Zooming

There are several two ways to zoom in or out:

- Move the mouse to the desired location and scroll the mouse wheel forward or back.
- Click on the + or - button at the top left corner of the map view. 
- Select Shift + drag mouse over area of interest

To zoom to the full extent, click on the  button towards the top left of the map.

To Zoom previous or next use the arrow keys in the top left of the map view

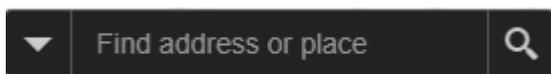


2. Panning

To pan around the map, click and drag the mouse.

3. Find address or place

To zoom an address, named feature or coordinate, type the value into the Find Address or Place box in the top right of the map.



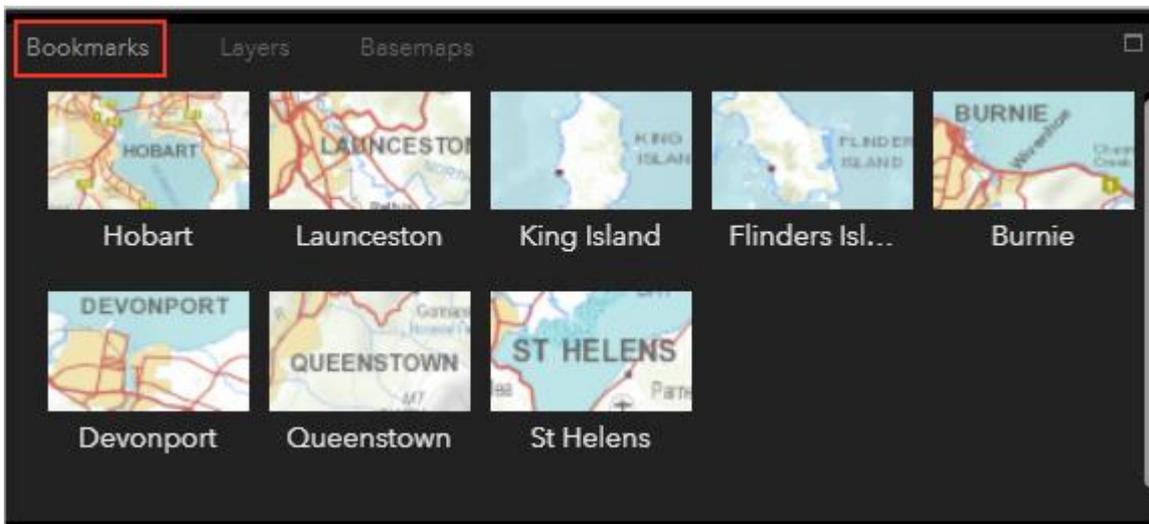
A list of results will appear. If there is more than one result, click on the best match. The viewer will zoom to that location.

You can also search on a Latitude and Longitude



4. Bookmarks

Bookmarks are another way to quickly zoom to a location. On the bottom left panel of the app, ensure the Bookmark Tab is selected, then click the bookmark to zoom to that location.



4. Filtering the Year with Time Slider

1. Time Slider Filter

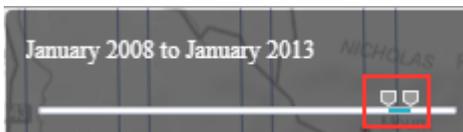
When the *Viewer* is launched it shows the Aerial Photo Index with the Time Slider set to limit photo coverage to the years 2008 through to 2009.

Hover over the Time Slider to open the control and alter the settings.



Use the previous / Next buttons to step up and down through time 

To change the range on the year filter, click and drag the slider buttons.



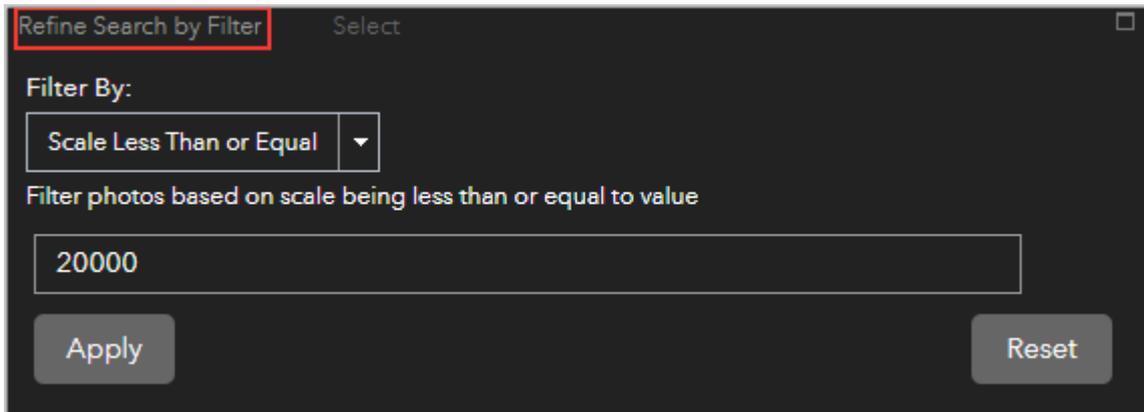
If you close the time slider using the x in the top right, the filter will be turned off and all photos will be shown.

To enable the Time Slider, click the Time Slider button in the top left of the map 

3. Refine search using Scale

You can further refine your search by filtering the results based on scale.

Select the Refine Search by Filter Tab in the panel.



Select the filter from the drop down

- Scale Less Than or Equal
- Scale Greater Than or Equal

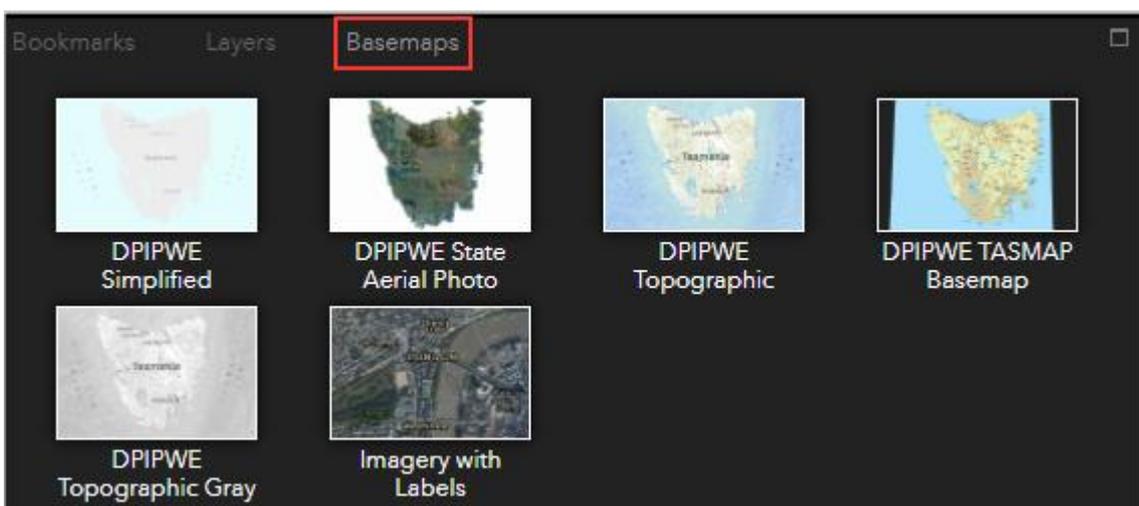
Type in a value

Click the Apply button

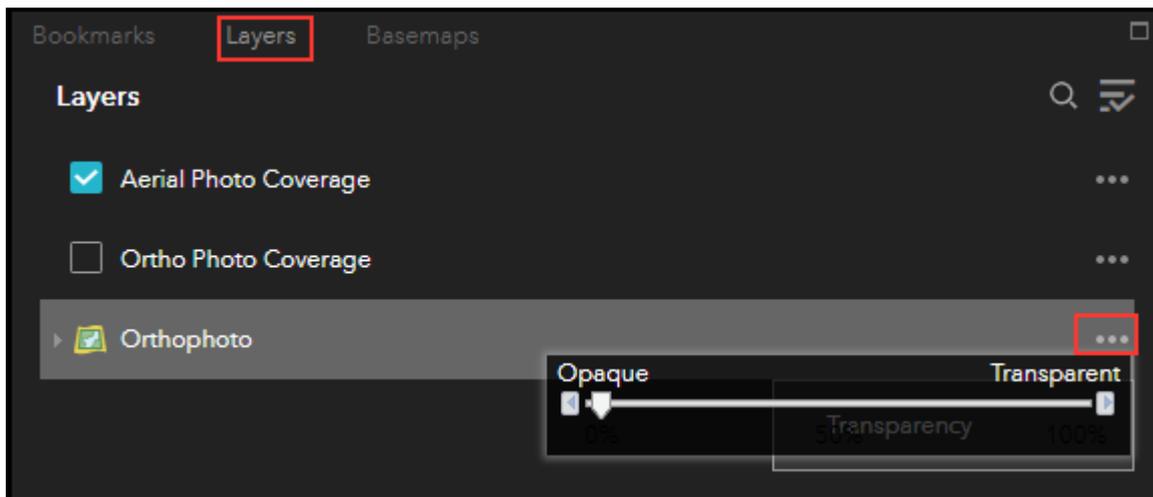
The Reset button will clear the Filter.

4. Changing the Base Map

The default base map is the Topographic Grey with a transparency set. You can alter the base map by clicking the Basemaps tab in the panel on the left, then selecting the appropriate base map from the selection.



When the Base map is changed, the default behavior is to apply no transparency. This may make it difficult for you to see the aerial photo coverage index overlaying the map. You can alter the transparency of the base map using the Layers tab.

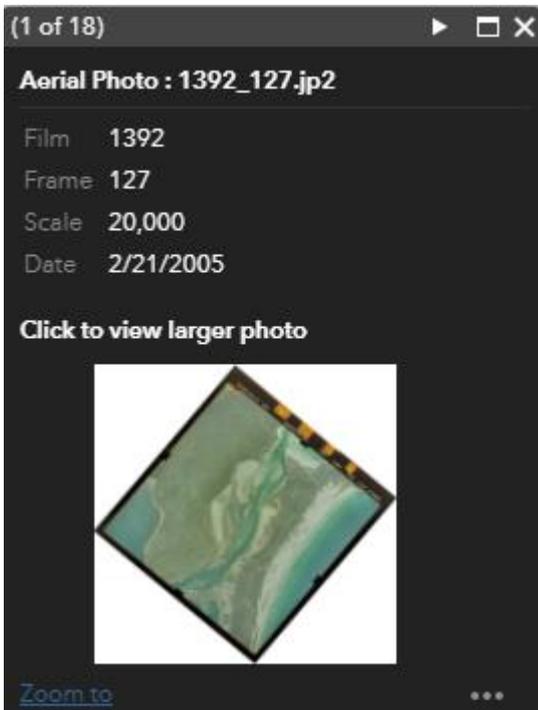


- Select the ... Next to the base map.
- Click Transparency
- Slide the value to an acceptable value.

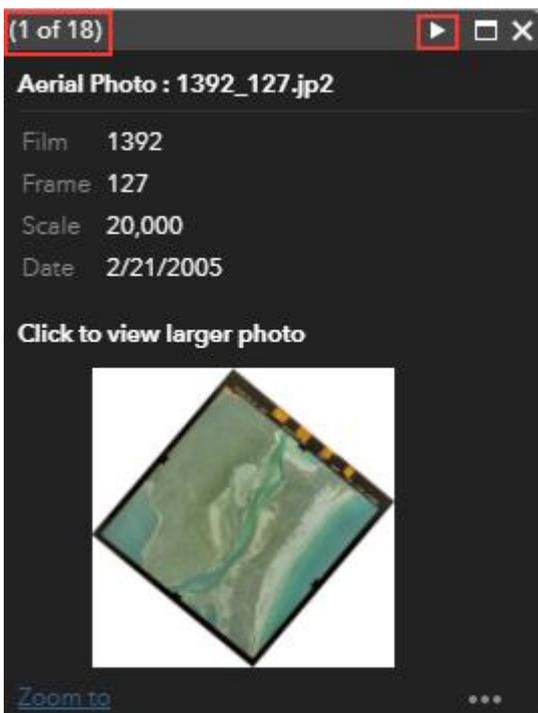
5. Viewing photo thumb nails and details

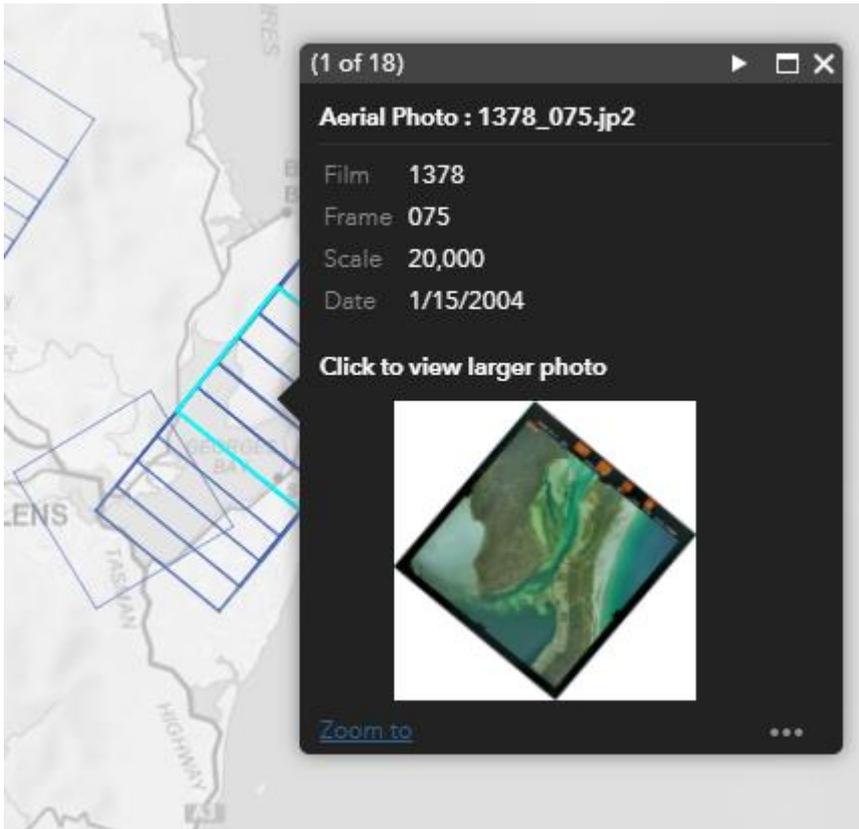
1. Viewing a photo from the map view

Once you have zoomed to your area of interest and refined the search using the Time Slider and Filters, click inside a blue coverage box that covers that area. This will open a pop-up window displaying a preview of the photo along with its details.



If more than one photo covers the area, the number of results will be displayed at the top of the pop up and the arrow is used to navigate the selection. As details of each photo is displayed, the outline of the the photo is highlighted.





Each photo displays

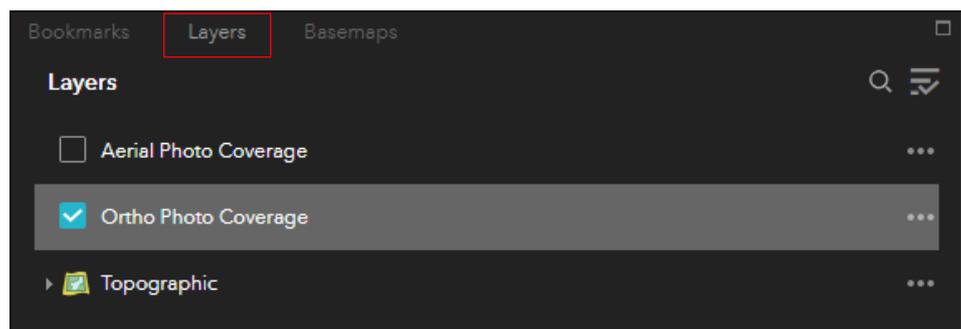
- The name of the photo
- The Film number
- The frame number
- Scale of photo
- Date the photo was taken
- Thumb nail image of the photo

To see a reduced resolution thumb nail of the image, click the photo for a larger view.

Details in the pop-up can be selected and copied by dragging the mouse over the values, right click and select Copy, or select Ctrl + C.

2. How to turn the Orthophoto layer on.

Ortho photos, which are scale corrected and georeferenced aerial photos, within the library can also be viewed by turning on the Ortho Photo Layer and filtering by year with the time slider.



6. How to Order

1. Adding photos to your cart

The Order tab provides information on the cost of the photos, and how to Order.

The screenshot shows a web application window titled "Aerial Photo Viewer" with the "Land Tasmania" logo. At the top, there are navigation tabs for "Order", "Print", and "Share". The main content area is divided into two sections: "Costs:" and "How To Order:".

Costs:

- Each individual photo frame costs \$49.50 (incl. GST)
- Each individual orthophoto frame costs \$132 (incl. GST)
- Delivery is via direct download from our web delivery site
- For larger areas or high resolution digital imagery contact us via email

How To Order:

- Use the map to locate the photograph; the frame and film number or image name.
- Contact us via email and provide details of your requirements; Include your contact details so we can confirm your order
Click this link to open your email aerialphotos@dpi.pwe.tas.gov.au
- Copy and paste the details from the identify pop-up into the email

The following links provide a guide to how to use the app, and details of the Aerial Photography program:

- [Link to PDF Help file](#)
- [Accessing and Obtaining Aerial Photography](#)

- Click the email link to open your default email application
- Copy and paste the details of the photo you require from the pop-up into the email message
- Provide
 - your name
 - contact detail
 - preferred format
 - comments

Once we receive your enquiry, we will get back you with a quote within 2 to 3 working days. The officer assigned your enquiry will clarify the details and costs. Payment is via credit card.

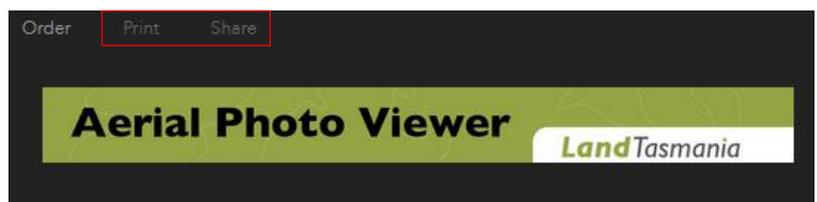
2. File formats

TIFF (.tif)	<p>TIF format is uncompressed and is around 1.2 GB in size for a colour photo scan and 300-400 MB for greyscale. However, they are zipped for web download and the ZIP file will be around 2/3 to 3/4 of the uncompressed size. Note that zipping doesn't affect the image quality; all of the original information is still intact.</p> <p>TIF format orthophotos can hold internal georeferencing (<i>geotiff</i>).</p> <p>Orthophotos will generally be a bit smaller than a scan as they have been cropped during processing to remove the photo frame.</p>
JPEG (.jpg)	<p>While photos supplied in JPEG format are compressed, maximum quality is maintained by using minimum compression. JPEG file sizes are around 400 - 500 MB for colour scans and 200 - 300 MB for greyscale.</p> <p>Orthophotos can be supplied in JPEG format but the coordinate reference for georeferencing is stored in an accompanying world file (<i>.jgw</i>).</p>
ECW (.ecw)	<p>ECW format is the archived format for theLIST orthophotos. A compression value of 1 is used to maintain maximum quality and minimum compression. File sizes are around 300 MB for a colour orthophoto and 100 MB for greyscale.</p> <p>ECW format contains internal coordinate references for georeferencing.</p>
PDF (.pdf)	<p>This format is normally used for orthophoto maps where various data layers can be superimposed over an orthophoto background. In a PDF file the data layers can be turned on or off as required. For example contours, property boundaries and coordinate grids, or lats and longs can be added as layers.</p> <p>The cost for this type of product varies, therefore, a quote is provided on request.</p>

7. Other Functionality

Print and Share

There is a print tool for producing various pdf layouts from the map.



There is a share tool for sending links to the Aerial Photo Viewer via social media or via email

Select

7. Further Support

For general enquiries regarding aerial photography email aerialphotos@dpipwe.tas.gov.au

For more information on accessing Tasmanian Aerial Photography see

<https://dpipwe.tas.gov.au/land-tasmania/aerial-photography/accessing-and-obtaining-aerial-photography>