



## CASE STUDY

# Cambridgeshire County Council

*"Under the Updates Programme, the Cities Revealed aerial photography helps us to continually and effectively monitor sensitive mineral extraction and waste sites all over the county".*

*Planning Support Assistant, Cambridgeshire CC*



### Overview

As the determining Authority for Minerals and Waste planning applications, Cambridgeshire CC deals with proposals that encompass the extraction of minerals including sand and gravel, clay and chalk as well as the disposal of Cambridgeshire's waste through land-filling or land-raising.

Governed by strict legislations and policies, Cambridgeshire CC is required to monitor existing sites, i.e. those with approved plans, manage enforcement cases for both historic and current sites, and plan future sites.

### The Problem

To meet these requirements effectively, Cambridgeshire CC requires fast, flexible and regular acquisition of aerial photography of the county's major mineral and waste sites ensuring that costs are kept to a minimum.

## Aerial Photography Assists Mineral & Waste Planning

### The Solution

The GeoInformation Group provided the council with high-resolution aerial photography through its Cities Revealed Updates Programme. This programme has been established to enable organisations to commission highly detailed photography of selected sites as and when they require it.

For the third consecutive year under the CR Updates Programme, Cambridgeshire CC commissioned a survey of over 55 separate sites of digital aerial photography totaling an area of 47 square kilometres.

The data, flown at 1:5000 scale resulting in 12.5cm resolution digital ortho-bases, provided the council with a good level of detail for the Cambridgeshire region. Regular surveys help to ensure that the council's existing orthophoto database is kept accurate and up to date for monitoring activity change over time.

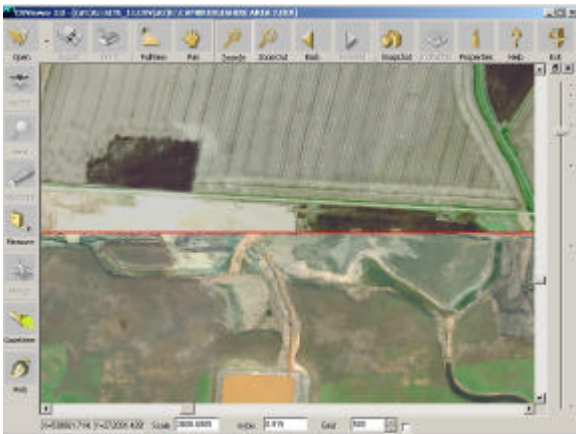


*12.5 cm resolution aerial photography provides a detailed view of a landfill site*



Cities Revealed's viewing software that comes bundled free with the photography enables the Council to instantly and effortlessly compare and contrast its temporal data sets through multiple viewing windows as well as through its blend and swipe functionality. This is particularly beneficial in determining areas that have been excavated or restored since the acquisition of previous aerial photography.

The photography has proven a valuable visual tool within committee presentations especially in enforcement cases where an instant snapshot of a specific site of interest can be viewed.



*The air photo (bottom) taken in 2002 clearly shows excavation since the acquisition of previous photography (top) in 2001.*

### Benefits to Cambridgeshire County Council

- ?? Capability to regularly update the Council's existing air photo database in a piece meal fashion, negating the need to commission a full survey
- ?? Flexibility to pick and choose areas that are under review
- ?? Rapid delivery of accurate and timely information
- ?? Offers a cost-effective solution that replaces more traditional methods of site surveying
- ?? Helps maintain a long term strategy to manage change

### About Cities Revealed Updates

Cities Revealed Updates is the only programme of its kind within the UK to deliver commissioned high accuracy, small area orthophoto images to the client's individual specification.



### Features

- ?? Full colour, high resolution, ortho photo databases
- ?? Sites as small as 500 metres by 500 metres
- ?? Supplied in compressed format with free Cities Revealed Image Manager
- ?? Customised rolling programme of aerial surveys to capture small areas of change
- ?? Designed for single site, multi site and city updates

### Other CR Update users

North Lincolnshire Council  
Swindon Borough Council



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