



Germany

Dixförda Gravel pits – the most important roosting sites for Whooper Swans in Germany



HEIDELBERGCEMENT

BACKGROUND



Saxony-Anhalt,
Germany

The Dixförda pits are used for extraction of sand and gravel. One of the lakes is no longer mined and has turned into a very important wetland habitat for migratory birds. It is one of the largest non-coastal roosting sites for Whooper Swans (*Cygnus cygnus*) in Europe with up to 1120 individuals recorded.

Location	Saxony-Anhalt, Germany
Size	~300 ha
Mineral type	Gravel and sand
Habitat(s) created	Lakes and wetland vegetation, agricultural areas
Target species	Whooper Swan, water birds
Protected areas	IBA and Natura 2000 site (SPA): Glücksburger Heide, Natura 2000 sites (SCI): Schweinitzer Fließ, Korgscher and Steinsdorfer Busch, Kuhlache und Elsteraue near Jessen and Semi-natural wetlands around Annaburger Heide in SE Jessen
Organisations	Heidelberger Sand und Kies GmbH and NABU group Wittenberg

WHY IS THIS PROJECT NEEDED?

NABU and Heidelberg Sand und Kies GmbH have joined forces to explore the reasons why the Whoopers have chosen Dixförda as their roosting site. Is it the good combination of a relatively undisturbed wetland surrounded by abundant grazing areas in the agricultural landscape? How do the swans use the lake and the surrounding area? What movements they make, where do they feed and where do they come from? What are the conditions that need to be maintained in the future at this gravel pit to support the birds?

PROJECT OBJECTIVES

Monitor their number of
Whooper swans

Study the behaviour

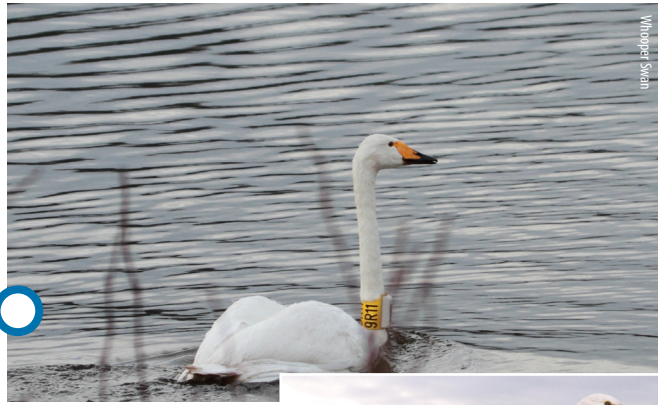
Environmental education

- Monitor the number of Whooper swans in the gravel pits in different periods and find out their movements and origin.
- Study the behaviour of the swans and their use of the habitats in the gravel pits and wider area using satellite transmitters.
- Support the implementation of environmental education activities at the quarry.

What are the specific ecological needs of the species that the gravel pits meet? What is the basis for these favourable conditions to exist in the long term? Is there any specific management actions required to maintain or enhance them? Beside the gravel pits, what else causes the concentration of wintering swans in the region?

RESEARCH WORK

Study the long distance and local movements of the swans to help find answer to specific questions about their usage of the area;



The resulting knowledge can be used to improve the protection in nature reserves, which will benefit the Whooper Swans and by implication other species, too

Development of measures and management plan for the gravel pits to ensure long-term protection and favourable habitat conditions for the birds.



Environmental education activities such as excursions with school classes, the locals community, employees from HC, NABU and Ornithologists; elaboration of flyer/brochure; information materials; presentation; publications etc.



PUBLIC BENEFITS



The project brings together the efforts of several organisations such as:

NABU – the nature conservation organisation acting locally, organising local excursions, meetings, education and PR activities.

Ornithological Institute of Hiddensee and Helgoland - carrying out scientific research on migratory birds, they ring and study Whooper Swans and produce scientific publications.

Ornithological association of Saxony-Anhalt e.V. (OSA e.V.) - monitoring and conservation activities, publish results in magazines, local newspapers, etc.

These activities are part of the BirdLife – HeidelbergCement Biodiversity Conservation Programme: Giving nature a second chance!

For more information:

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