

Action C4.1 – C4.3: Topographical Report for New Forest LIFE 3 work

LIFE02/NAT/UK/8544

All restoration reaches were surveyed both pre and post restoration. Halcrow performed the pre restoration survey, and Environment Agency staff conducted the post restoration survey.

Reaches surveyed post restoration were Dames Slough, Rhinefield, Blackensford Bottom on the Black Water, and the headwaters of the Highland Water. Reaches were surveyed using control stations put in place by Halcrow. Cross sections were taken every 25m, or on every meander apex, whichever was the smaller.

Pre restoration data

Information from topographical data pre restoration was used to inform design and operational aspects, specifically:

- Levels for the newly re-instated river course
- Volumes of material required
- Implications for flood management and associated site-specific modelling work.
- Guide operations in terms of determining new channel depth & bed gradient.
- Produce design drawings and maps used for operations.

Information post restoration was used to:

- Indicate river planform post work.
- Through digitisation, provide new river planform maps for use with ArcGIS.