

Peter Holt

3H Consulting Ltd





Motivation – Vliegent Hart 2000-2001

- Dutch East Indiaman
- Sank off Holland in 1721



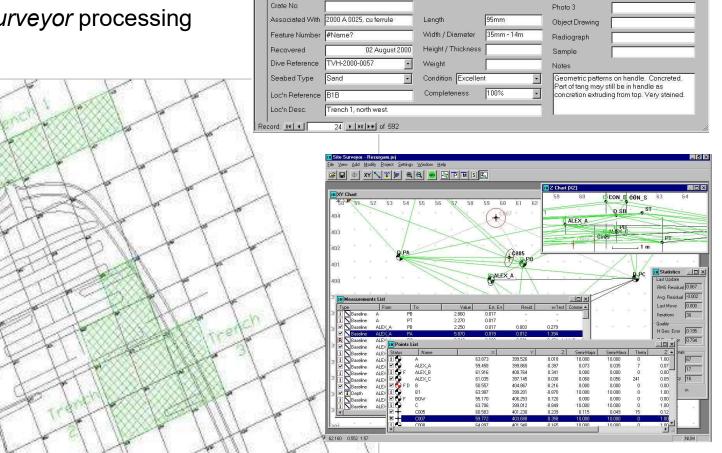






Motivation – Vliegent Hart 2000-2001

- MS Access database
- AutoCAD mapping
- PhotoShop for images
- 3H Site Surveyor processing



Artefact Record Form

TVH 1735 00

2000 A0024

Knife-handle

Tools and Eqpt.

Organic - Wood

Fix Number

Context Outboard - Post Wreck +

Collection Met'd Sieve

Pre-Treatment

Storage Medium

Location on Boat

Sent Ashore Date

U/W Photo

Photo 2

Untouched

..\Pictures\Camera\Artefac

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Site Code

Artefact Number

Part Number

Simple Name

Classification

Full Name

Material



- Records data from a generic maritime or intertidal site
- Allows integrated recording in 2.5 dimensions
- Simple easy to learn and use
- Scalable survey to excavation
- Secure electronic publishing
- Allows data exchange
- Records associations between objects
- Minimise cost

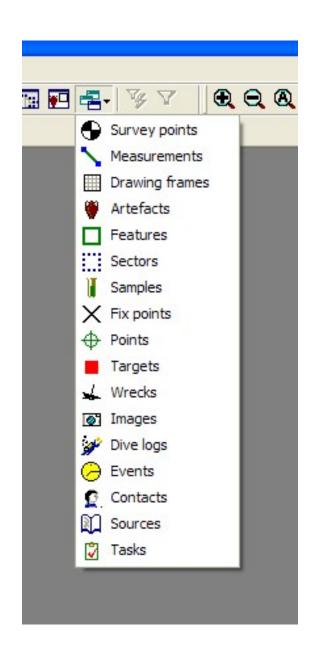




Requirements - Capability

Site Recorder 4

- Site plans
- Artefacts (finds) & Features
- Sectors (trenches, areas)
- Survey points & measurements
- Drawing frames
- Targets & Wrecks
- Images, Video & Image Basemaps (raster)
- Events & Dive Logs
- Contacts (people & organisations)
- Samples & Sources (documents)
- Tasks & Logbooks
- Sites, Projects & Layers





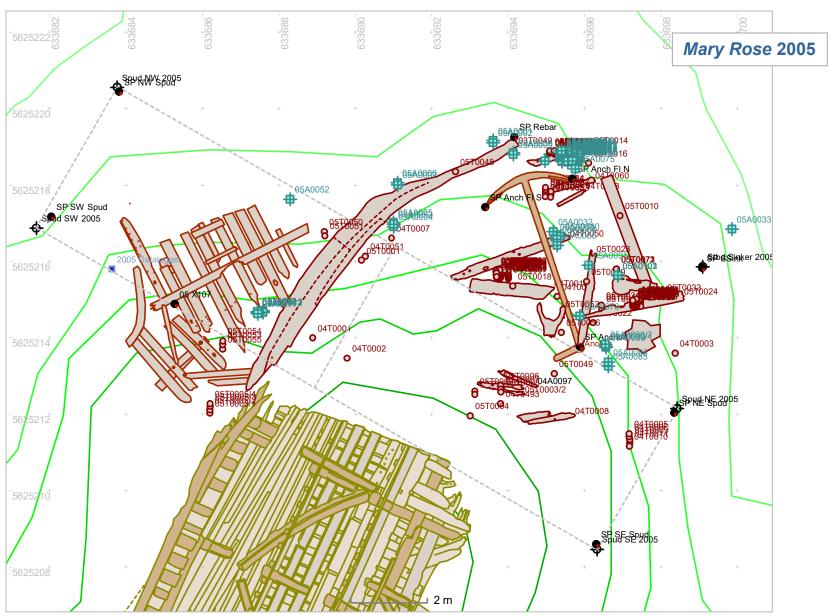
Field Trials – Mary Rose 2003-2005





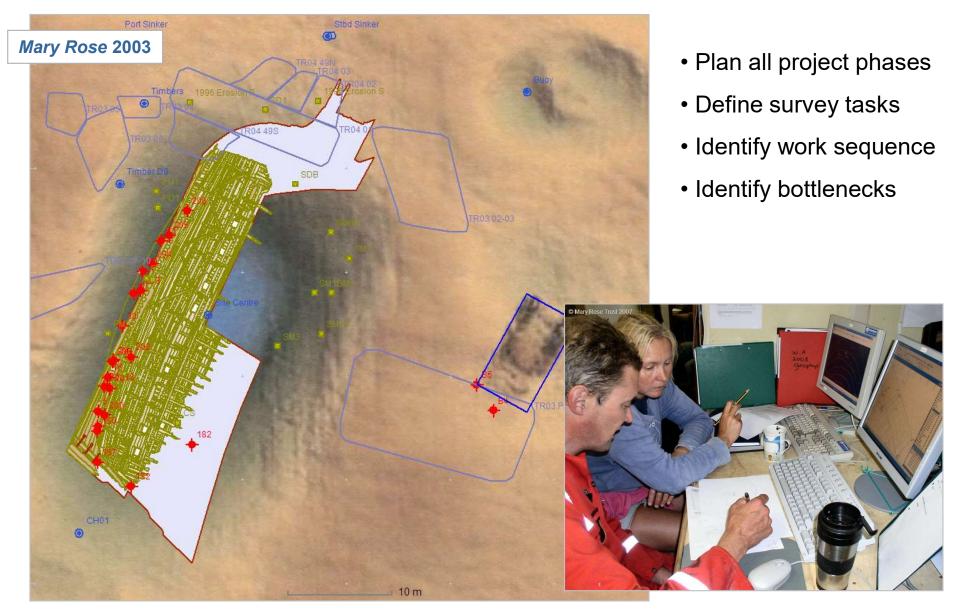


Integrated Digital Site Plans



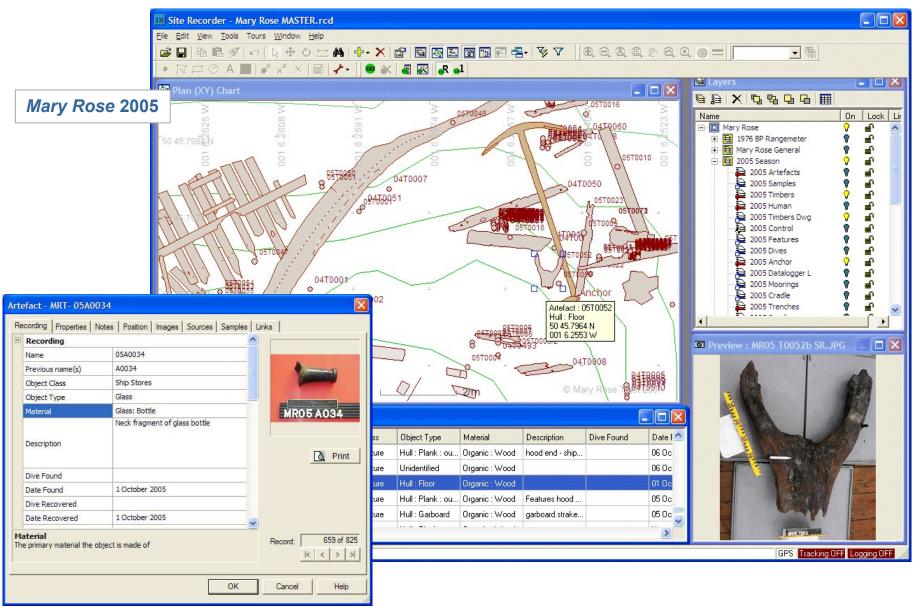


Pre-excavation Planning



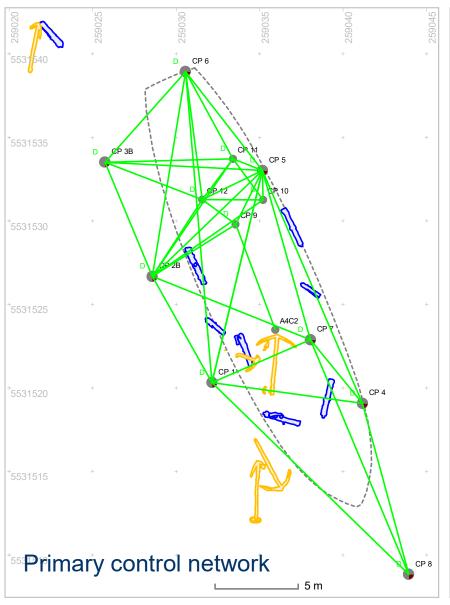


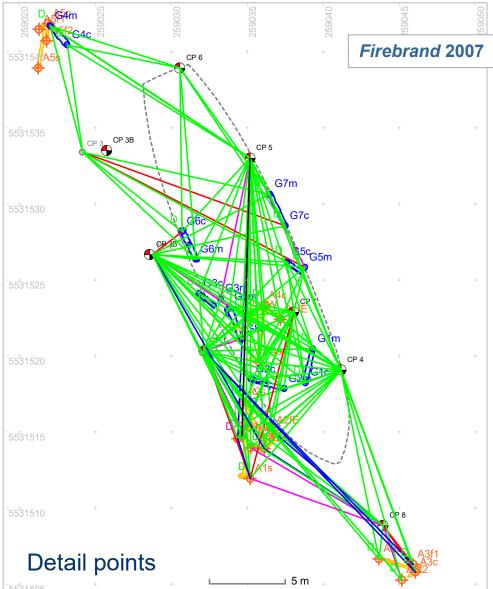
Finds Recording





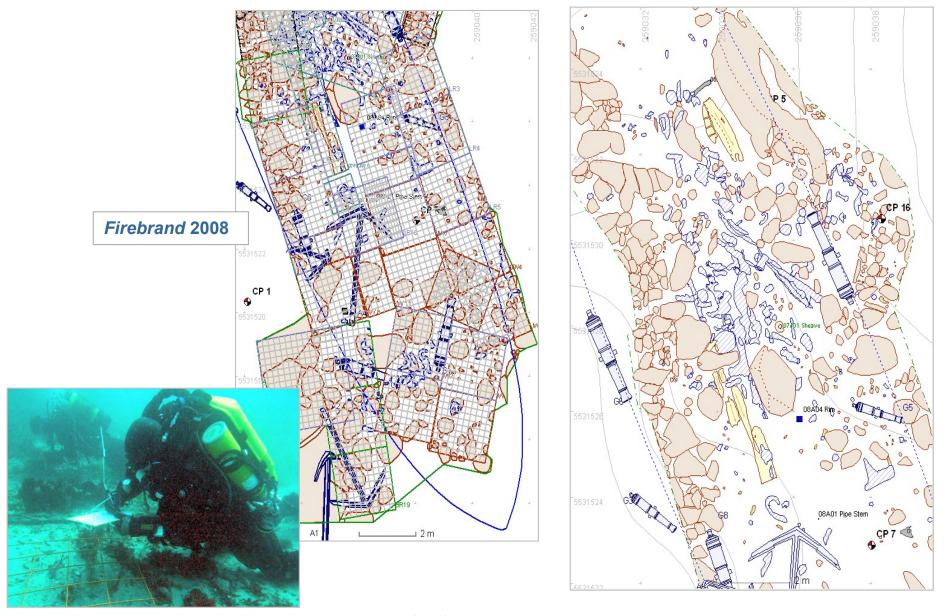
Surveying: Tape Trilateration



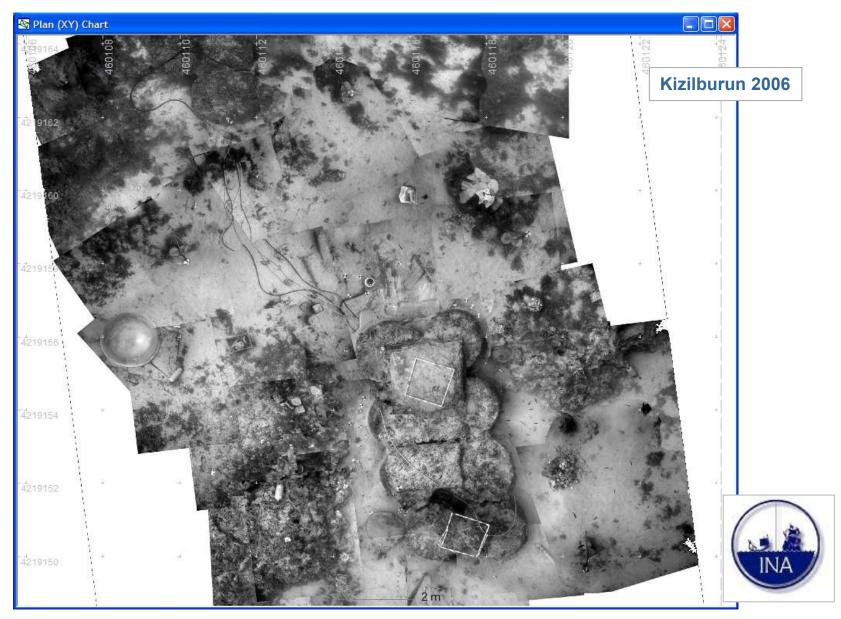




Detail Recording using Planning Frames

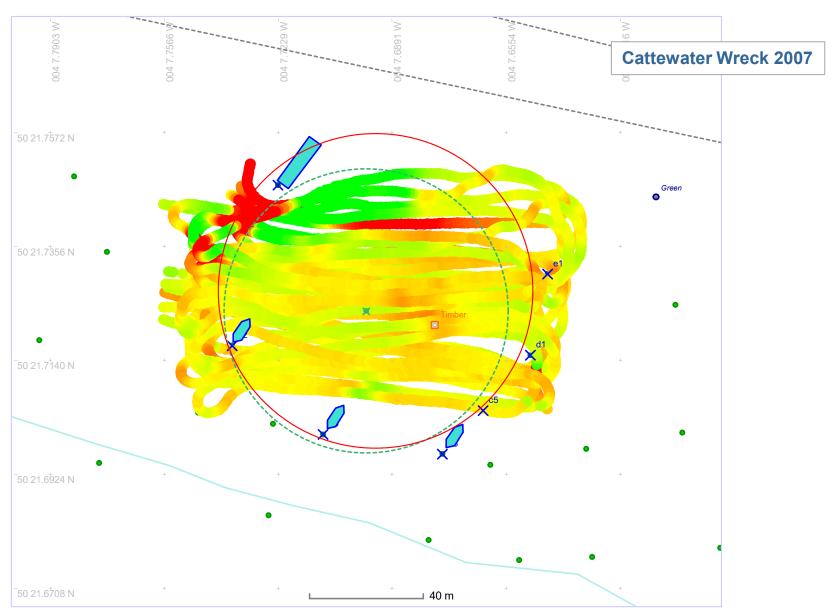






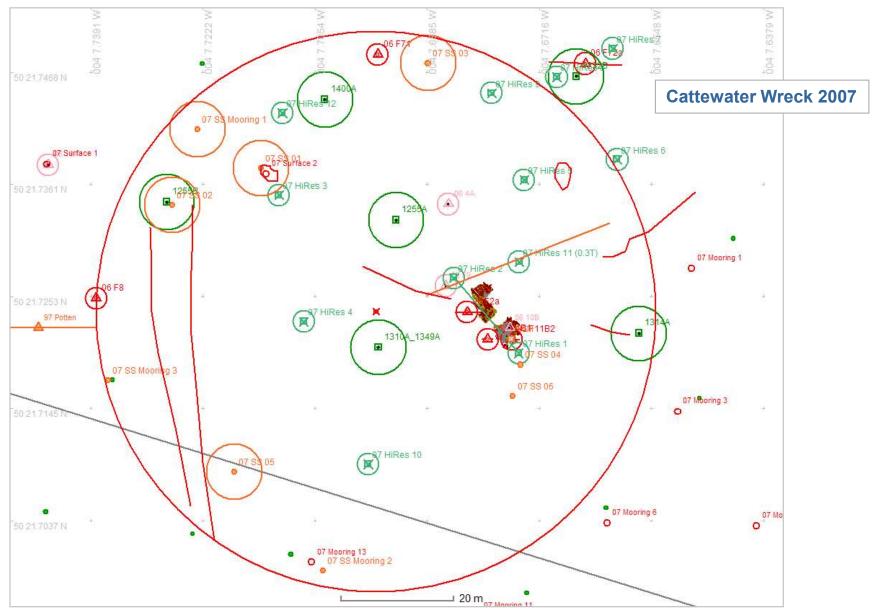


Geophysics: Hi-Res Magnetometer Survey





Geophysics: Integrated Analysis





Real Time Data Collection

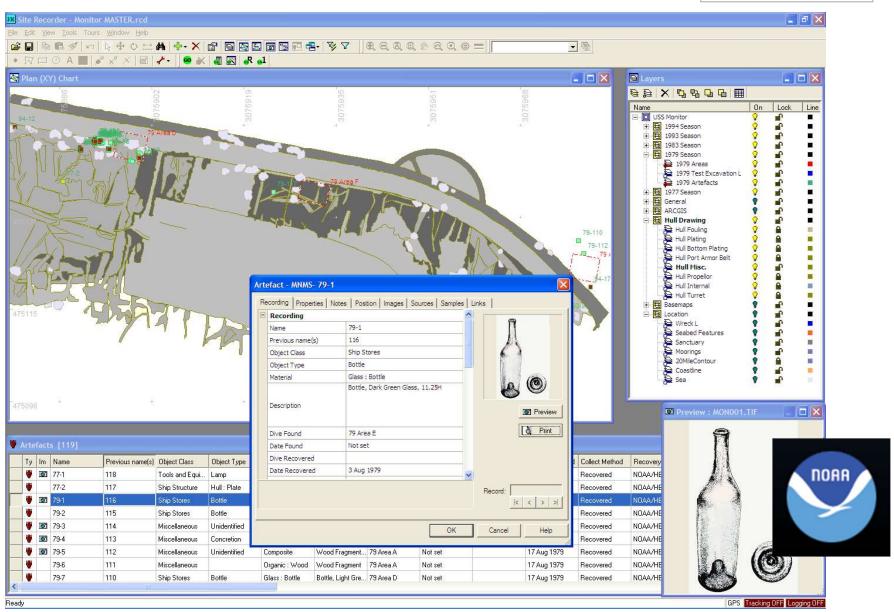
- Connect to GPS and Acoustic positioning systems
- Track divers, ROVs and boat





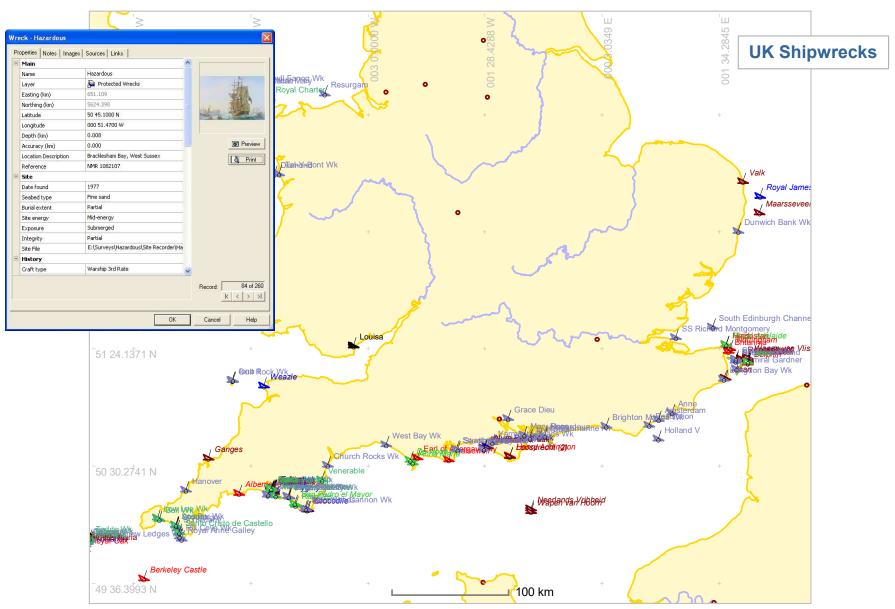
Migrating Legacy Data

USS Monitor 2008





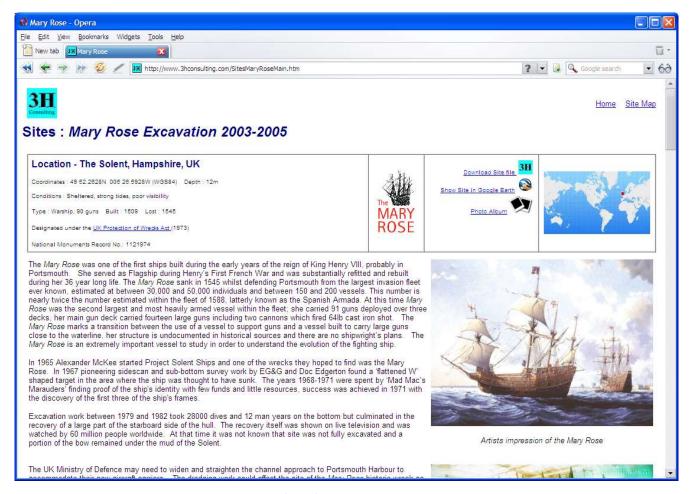
Wide Area Mapping & Linked Site Files

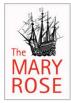




Secure Electronic Publication

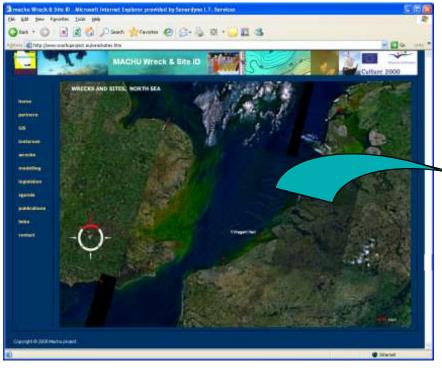
- Free viewer program Site Reader
- Full data set available on CD from 3H Consulting Ltd
- Download lo-res version free from web www.3HConsulting.com







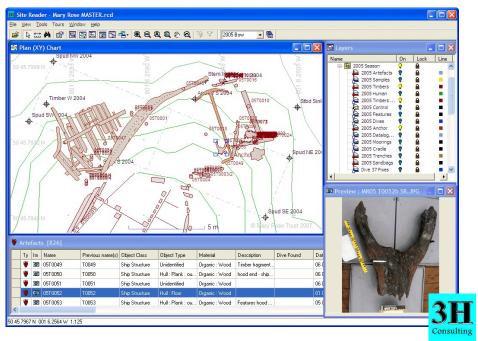
Web GIS Integration



Allows public access to primary site data via a web site

MACHU Project

- 1. Click web link
- 2. Download SR4 file
- 3. (Download free Reader program)
- 4. Open SR4 file





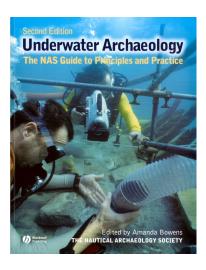
Site Recorder 4 SE (Student Edition)

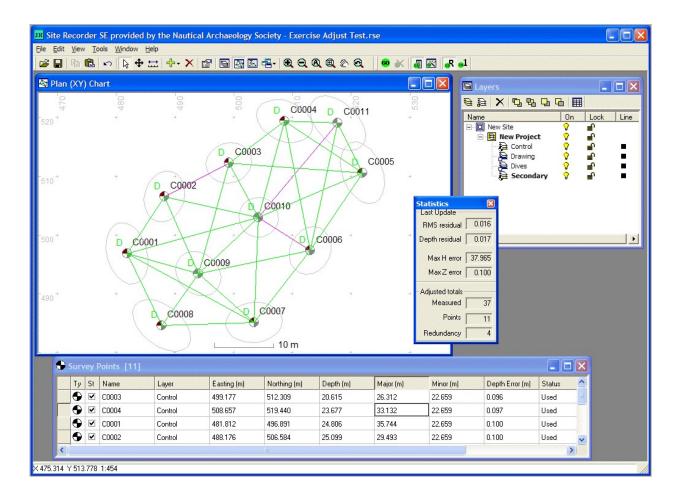
Free survey data processing and mapping software



- Offset, ties and radial measurements
- 3D Trilateration adjustment
- Dive logs

www.3HConsulting.com







Archaeology / IT 'Bridge'

Archaeology

Information Technology (IT)

Data collection

Data use

Archaeology professionals

Information Technology professionals

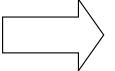
'Dirty' data

'Clean' data



Site Recorder 4







- (Inter) National GIS
- Web GIS
- Desktop GIS
- ePublication
- Google Earth





Thank You

Site Recorder 4 www.3HConsulting.com

