
PROJECT: SEAHOUSES BREAKWATER NORTHUMBERLAND

VALUE: £700,000
ROLE: MAIN CONTRACTOR
START DATE: JULY 2008
COMPLETION: DECEMBER 2008

CLIENT: BIRSE CE

- 850 m³ of insitu concrete
- 5t Stainless Steel Dowels
- High Risk Tidal Conditions
- SSSI (Site of Special Scientific Interest)
- SPA (Special Protection Area)
- CSAC (Special Areas of Conservation)
- BAP (Biodiversity Action Plan) area

The works consisted of 100m of reconstruction to the Southern Breakwater and 120m repair to the Northern Breakwater.

South Breakwater

The works included a 300mm concrete encasement to the existing structure which was drilled and dowelled using stainless steel fixings.

Northern Breakwater

Due to its location temporary access was required to carry out the removal and replacement of top of crest wall which was dowelled and recast.

Anti-washout concrete was used to prevent loss during the curing process. Due to the location concrete was poured in small quantities; this allowed the works to be carried out safely, with spillages and to a high standard of quality.



North Breakwater crest repairs

The site itself was on a Site of Special Scientific Interest (**SSSI**) and access to plant and equipment was strictly controlled.

The surrounding area was also listed as a Northumbria Coast Special Protection Area (**SPA**), Berwickshire and North Northumberland Coast Candidate Special Areas of Conservation (**CSAC**) and Northumberland Biodiversity Action Plan (**BAP**) area.

PROGRAMME

The works were carried out in extremely high risk tidal conditions with limited access and demonstrated our ability to carry out works in sensitive areas.

The works were complete on programme and to budget.



South Breakwater with concrete encasement