

**Proposed Aberdeen Harbour development,  
Nigg Bay, Aberdeen, AB12 3LT  
Archaeological watching brief for trial pits**



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(top) TP7 facing NE (bottom) TP9 showing up to 4m modern building debris

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## SUMMARY

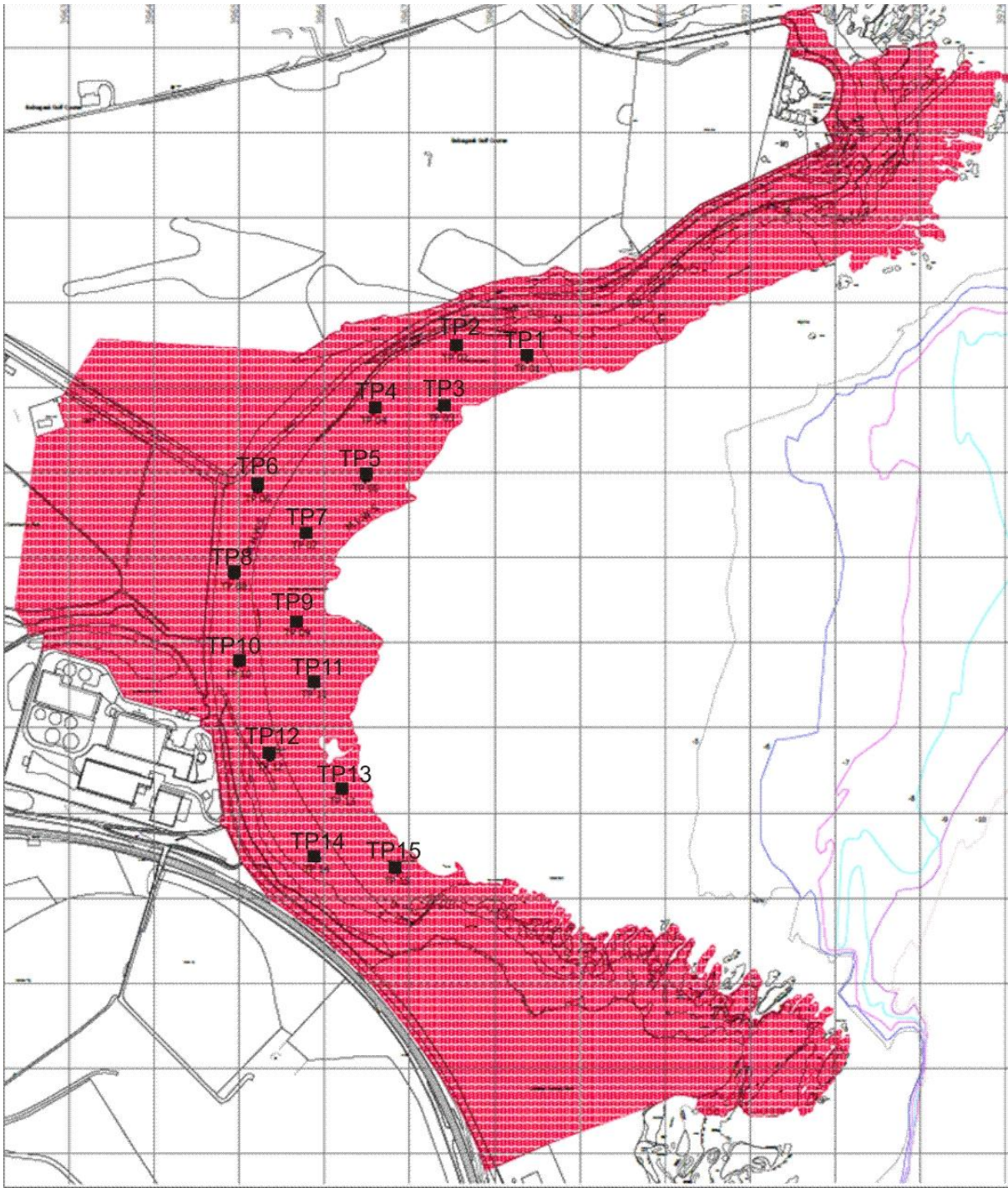
A watching brief was maintained on 24-26th September 2013 during the digging of trial pits to identify underlying geology in preparation for a development of the new harbour. No archaeological deposits were recorded in any trench. It is feasible that undisturbed archaeological deposits may still survive in the area of the proposed harbour development and further work may be required once the detailed plans of the proposal are available as this was not a full archaeological evaluation of the proposed development area.

## 1.0 INTRODUCTION

- 1.1 The site is located at Nigg Bay, Aberdeen is at AB12 3LT, NJ 96590 04650, at 0-10m OD and in the parish of Aberdeen (Illus 1).
- 1.2 Aberdeen Harbour Board are preparing an EIA for the siting of a harbour extension at Nigg Bay and this report details monitoring of 15 trial pits dug between the low and high tide mark.



Illus 1 Location plan (Contains Ordnance Survey data © Crown copyright and database right 2013)



Illus 2 Proposed development showing trial pit locations (*copyright Arch Henderson*)

## 2.0 ARCHAEOLOGICAL BACKGROUND

- 2.1 There are five Scheduled Ancient Monuments within 1km of the current site. These include two Bronze Age cairns on Tullos Hill (Crab's Cairn NJ90SE.4 ; Tullos Cairn NJ90SE.2), medieval and early post-medieval St Fittick's Church (NJ90SE.1 ), Balnagask Motte, a possible motte or garden feature (NJ90NE.13) and Torry Battery (NJ90NE.22.0) a mid 19th-century coastal defence battery. None will be affected by the current proposed works.
- 2.2 Nigg Bay is the coastal bay between Girdle Ness and the north and Greg Ness at the south. Previous archaeological work includes a watching brief carried out prior to tree

planting on the links between St Fittick's Church and the sewage works (Cameron 2000), a watching brief at Upper Kirkhill Farm (Peters 2008) and an excavation and research project at St Fittick's Church (Cameron 2009)

- 2.3 A shell midden (NJ90SE 8) was recorded on the '25' raised beach' at Bay of Nigg and was excavated and found to contain periwinkle, limpet and mussel shells as well as fish and mammal bones (Reid 1912, 15; Simpson 1943, 11). The exact location is unknown and there is now nothing visible of this midden.
- 2.4 A silver chain was found 'at Nigg' (NJ90SW 13) and was presented to Marischal Museum by Jonathan Troup, Surgeon, in 1796. The links are circular, and pairs alternate with single links. They are 115mm long and the diameter of the rings is 33mm (Reid 1912, 18). The chain is probably 7th century in date and is in University of Aberdeen Collections (ABDUA 15644).
- 2.5 St Fittick's well (NJ90SE 1) was located on the bay in the south-west edge at the high tide level; it is marked on the First and Second Ordnance Survey maps (1867/1091) but by the Third Edition (dated 1923) the well is recorded as 'site of'. This well is associated with St Fittick, a saint of the 7th century. The well is mentioned after the reformation when the Protestant authorities attempted to ban people from using the well for its curative powers (Aberdeen City Council leaflet).
- 2.6 Nigg Bay salt pans (NJ90SE 12) is recorded in 1845 to have been out of use for many years and nothing of these pans now survives (NSA 1845, 209). This sea salt manufactory and refinery was established in 1796 by Alexander Smith, a merchant from Old Aberdeen A building and slipway (NJ90NE 42) is visible on Ordnance Survey maps from the first edition onwards. On the 1901 version, a well is marked nearby and even today the remains of a slipway can be seen. Local people recall it being used seasonally by lobster and crab fisherman up until the 1960s (Aberdeen City Council leaflet).
- 2.7 A kelp works was in use by 1728 by John Gordon, a merchant from Aberdeen, who had been collecting 'sea ware' in the Bay of Nigg and burning it in his nearby kilns. The Town Council objected to this because it encroached on the rights of those who lived there and collected the seaware for dung for their fields. On 8 March 1750, George Leslie, a merchant trading in Aberdeen, applied to Aberdeen Council for a warrant to cut and burn kelp. He wanted to undertake this work as part of what he described as his 'soapere' (Aberdeen City Council leaflet).
- 2.8 There are possible rig and furrow cultivation marks on Balnagask Golf course (NJ90NE 44; (Harding 1997, 5).
- 2.9 A pillbox (NJ90SE 57) and anti-tank blocks (NJ90SE 58) have been identified on aerial photographs of Nigg Bay but nothing now survives. There are circular depressions in the intertidal zone which may be bomb craters but this is undetermined and uncertain (Aberdeen City Council SMR). This work may clarify these features.
- 2.10 Early maps shows Girdle Ness and Gregs Ness (for example Moll c 1745; Illus 3). First Edition Ordnance survey the west foreshore was occupied by a firing range including target areas. The area had been occupied by a series of boundary stones (V, W, X, Y and 10) none of which now survive.
- 2.11 There are many shipwrecks in the area of Nigg Bay but none are known to remain on the area of beach.

### 3.0 THE WATCHING BRIEF

A watching brief was maintained on 24-26th September 2013 during the digging of trial pits to identify underlying geology in preparation for a development of the new harbour. Trial pits 6-15 were monitored and a visit made during the digging of the northern pits 1-5 which involved clearing waterwashed boulders from the top of rock with no archaeological implications.

All the trial pits contained upfill; the pits at the south (12-15) all contained several metres of very modern building rubble which had been deposited by Aberdeen Council in the mid-late 20th century to protect the SSSI cliff face (Illus 3). Under that clay subsoil was recorded in some trenches but no archaeological deposits were recorded. The trial pits on the beach contained mostly several metres of shingle mixed with modern building materials and rubbish.

No archaeological deposits were recorded in any trench. It is feasible that undisturbed archaeological deposits may still survive in the area of the proposed harbour development and further work may be required once the detailed plans of the proposal are available as this was not a full archaeological evaluation of the proposed development area.



Illus 3 TP14 showing type of infill at south end of site

## 4.0 REFERENCES

Aberdeen City Council 'Torry Coastal Trail: a guide to Torry's coastline' Aberdeen City Council leaflet.

Cameron, AS 2000 Nigg Headworks archaeological watching brief. Unpublished report, Aberdeen City Council Archaeological Unit.

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Harding, D I 1997 'Aberdeen area (Aberdeen; Dyce; Newhills; Peterculter parishes), assessment', *Discovery Excav Scot*, 5.

NSA 1834-1845 The new statistical account of Scotland by the ministers of the respective parishes under the superintendence of a committee of the society for the benefit of the sons and daughters of the clergy, 15v Edinburgh, Vol.11, (Kincardineshire), 209.

Peters, C 2008 South Kirkhill farm, Aberdeen. Aberdeen: Aberdeen City Council Archaeological Unit doi: 10.5284/1003153

Reid, R W 1912 Illustrated catalogue of the Anthropological Museum, Marischal College, University of Aberdeen, Aberdeen.

Simpson, W D 1943 The Province of Mar, being the Rhind Lectures, Aberdeen University Studies, 121 Aberdeen, 11.

## 5.0 ACKNOWLEDGEMENTS

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## APPENDIX 1 PHOTOGRAPHS

Photo no	Trench	Facing
DSCF6430	TP14	N
DSCF6431	TP14	NW
DSCF6435	TP14	N
DSCF6436	TP14	N
DSCF6438	TP12	S
DSCF6439	TP12	S
DSCF6440	TP12	S
DSCF6441	TP12	E
DSCF6442	TP12	S
DSCF6443	TP15	E
DSCF6444	TP15	E
DSCF6445	TP15	E
DSCF6448	TP15	E
DSCF6453	TP15	E
DSCF6454	TP15	E
DSCF6456	TP15	E
DSCF6457	TP15	E
DSCF6458	TP13	W
DSCF6459	TP13	S
DSCF6463	TP13	W
DSCF6464	TP13	W
DSCF6465	TP13	W
DSCF6466	TP13	W
DSCF6467	TP13	NE/N
DSCF6474	TP13	W
DSCF6476	TP13	S
DSCF6478	TP13	SW
DSCF6480	TP10	N
DSCF6481	TP10	NE
DSCF6482	TP10	N
DSCF6483	TP10	N
DSCF6484	TP10	NE
DSCF6491	TP11	N
DSCF6492	TP11	NE
DSCF6494	TP11	N
DSCF6498	TP9	SW
DSCF6499	TP9	S
DSCF6503	TP9	W
DSCF6504	TP9	E
DSCF6505	TP9	E
DSCF6510	TP8	N
DSCF6511	TP8	N
DSCF6512	TP8	N
DSCF6513	TP8	S



DSCF6514	TP7	ESE
DSCF6515	TP7	ESE
DSCF6516	TP7	NE
DSCF6519	TP7	E
DSCF6520	TP7	NE
DSCF6524	TP6	S
DSCF6529	TP6	E
DSCF6532	TP6	S
DSCF6533	TP6	E
DSCF6537	TP3-5	N
DSCF6538	TP3-5	NE
DSCF6545	TP3-5	S
DSCF6546	TP3-5	S



DSCF6430



DSCF6431



DSCF6435



DSCF6436



DSCF6438



DSCF6439



DSCF6440



DSCF6441



DSCF6442



DSCF6443



DSCF6444



DSCF6445



DSCF6448



DSCF6453



DSCF6456



DSCF6457



DSCF6458



DSCF6459



DSCF6463



DSCF6464



DSCF6465



DSCF6466



DSCF6467



DSCF6474



DSCF6476



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DSCF6484



DSCF6491



DSCF6492



DSCF6494



DSCF6498



DSCF6499



DSCF6503



DSCF6504



DSCF6505



DSCF6510



DSCF6511



DSCF6512



DSCF6513



DSCF6514



DSCF6515



DSCF6516



DSCF6519



DSCF6520



DSCF6524



DSCF6529



DSCF6532



DSCF6533



DSCF6537



DSCF6538



DSCF6545



DSCF6546



DSCF6499



DSCF6503



DSCF6504



DSCF6505



DSCF6510



DSCF6511



DSCF6512



DSCF6513

## APPENDIX 2 SCHEDULED SITES WITHIN 1KM OF CURRENT SITE

INDEX NUMBER	NAME	LOCAL AUTHORITY	ORIGINAL SCHEDULE DATE	LAST SCHEDULE DATE	NGRs
4060	Crab's Cairn, cairn	ABERDEEN, CITY OF	251683200000	1026777600000	NJ963038
4055	Tullos Cairn, cairn	ABERDEEN, CITY OF	251683200000	984441600000	NJ959041
10400	St Fittick's Church, Aberdeen	ABERDEEN, CITY OF	1035936000000	- 2209161600000	NJ962049
10403	Balnagask motte, Baxter Place, Aberdeen	ABERDEEN, CITY OF	1035936000000	- 2209161600000	NJ957051
9215	Torry Battery, battery 130m ESE of Old South Breakwater	ABERDEEN, CITY OF	973555200000	- 2209161600000	NJ965056

## APPENDIX 3 PASTMAP SITES WITHIN 1KM OF CURRENT SITE

SITE NUMBER	NMRS NAME	CLASS
NJ90NE.13.-	ABERDEEN, FOOTDEE, FISHER COTTAGES, GENERAL. Alternative: NORTH SQUARE, SOUTH SQUARE, MIDDLE ROW, PILOT SQUARE, 1-5 NEW PIER ROAD, FITTIE	COTTAGE(S)
NJ90NE.3.-	BALNAGASK HOUSE, 'MOTTE'. Alternative: NIGG, MAINS OF BALNAGASK, BALNAGASK HOUSE POLICIES	GARDEN FEATURE
NJ90NE.7.1	ABERDEEN HARBOUR, BALNAGASK, JETTY.	CAPSTAN, JETTY
NJ90SE.12.-	NIGG BAY. Alternative: -	SALT WORKS
NJ90NE.8.0	ABERDEEN, GREYHOPE ROAD, GIRDLENESS LIGHTHOUSE AND KEEPERS' COTTAGES. Alternative: GIRDLE NESS LIGHTHOUSE, ABERDEEN HARBOUR, WALKER PARK	LIGHTHOUSE (19TH CENTURY), LIGHTHOUSE KEEPERS HOUSE(S) (19TH CENTURY)
NJ90NE.27.-	ABERDEEN, GREYHOPE ROAD, CITY OF ABERDEEN MAIN DRAINAGE WORK. Alternative: GIRDLENESS SEWAGE WORKS, GIRDLE NESS	WORKS
NJ90NE.24.-	ABERDEEN HARBOUR, CANNON. Alternative: HALL RUSSELL SHIPYARD	CANNON
NJ90NE.19.-	ABERDEEN, FOOTDEE, POCRA QUAY, BLOCKHOUSE. Alternative: ABERDEEN HARBOUR, NEW ENTRANCE	BLOCKHOUSE (15TH CENTURY)
NJ90SE.1.-	NIGG, ST FITTICK'S CHURCH. Alternative: NIGG, OLD PARISH CHURCH, BALNAGASK, ST	BURIAL GROUND, CHURCH, HOLY WELL

	FITTICK'S CHURCH	
NJ90SE.2.-	TULLOS CAIRN. Alternative: LOIRSTON, TULLOS HILL, NIGG BAY	CAIRN
NJ90SE.4.-	CRAB'S CAIRN. Alternative: LOIRSTON, TULLOS HILL, PETERSEAT	CAIRN, CINERARY URN
NJ90NE.22.0	ABERDEEN, TORRY BATTERY. Alternative: TORRY POINT, ABERDEEN HARBOUR, OLD SOUTH BREAKWATER, GIRDLE NESS, BALNAGASK	COASTAL BATTERY (20TH CENTURY)
NJ90NE.20.-	ABERDEEN, ESPLANADE, PUBLIC CONVENIENCES. Alternative: FOOTDEE	PUBLIC CONVENIENCE(S)
NJ90NE.26.-	ABERDEEN, GIRDLE NESS, COAST DEFENCE BATTERY. Alternative: GREYHOPE ROAD, WALKER PARK, ABERDEEN HARBOUR, BALNAGASK GOLF COURSE	COASTAL BATTERY (20TH CENTURY)
NJ90NE.7.2	ABERDEEN HARBOUR, NORTH PIER. Alternative: ABERDEEN HARBOUR ENTRANCE	PIER
NJ90NE.7.4	ABERDEEN HARBOUR, OLD SOUTH BREAKWATER. Alternative: ABERDEEN HARBOUR ENTRANCE, INNER SOUTH BREAKWATER	BREAKWATER
NJ90NE.7.5	ABERDEEN HARBOUR, SOUTH BREAKWATER. Alternative: ABERDEEN HARBOUR ENTRANCE	BREAKWATER
NJ90NE.7.6	ABERDEEN HARBOUR, SOUTH BREAKWATER, LIGHTHOUSE. Alternative: ABERDEEN 2, SOUTH PIER, ABERDEEN HARBOUR ENTRANCE	BEACON
NJ90NE.7.7	ABERDEEN HARBOUR, LOWER BASIN, POCRA QUAY. Alternative: -	QUAY
NJ90NE.7.15	ABERDEEN HARBOUR, ABERCROMBY JETTY, PORT ENTRANCE CONTROL TOWER. Alternative: ABERDEEN HARBOUR ENTRANCE, ROUNDHOUSE, NAVIGATION CONTROL CENTRE, FOOTDEE, FITTY, 'THE OCTAGON'	CONTROL TOWER
NJ90NE.8011.-	BENS CREEL: GIRDLE NESS, ABERDEEN, NORTH SEA. Alternative: A121, BEN SCREEL, GIRDLENESS, ABERDEEN HARBOUR	STEAM TRAWLER (20TH CENTURY)
NJ90NE.8001.-	CARLO: GIRDLE NESS, ABERDEEN, NORTH SEA. GIRDLENESS, ABERDEEN HARBOUR	STEAMSHIP (20TH CENTURY)
NJ90SE.19.-	TULLOS HILL. NIGG, LOIRSTON COUNTRY PARK	CAIRN(S)
NJ90NE.42.-	ABERDEEN, BAY OF NIGG. Alternative: -	BUILDING, SLIPWAY
NJ90NE.44.-	ABERDEEN, BALNAGASK GOLF COURSE. Alternative: -	RIG AND FURROW
NJ90NE.8009.-	SCOTT: GIRDLE NESS, ABERDEEN, NORTH SEA. Alternative: GIRDLENESS, ABERDEEN HARBOUR	SMACK (19TH CENTURY)

NJ90NE.8010.-	CALEDONIAN: GIRDLE NESS, ABERDEEN, NORTH SEA. Alternative: CALEDONIA, GIRDLENESS, ABERDEEN HARBOUR ENTRANCE	BRIG (19TH CENTURY)
NJ90NE.8008.-	PROVIDENCE: GIRDLE NESS, ABERDEEN, NORTH SEA. Alternative: BAY OF NIGG, GIRDLENESS, ABERDEEN HARBOUR	SCHOONER (19TH CENTURY)
NJ90NE.48.-	ABERDEEN HARBOUR, POCRA QUAY, TS SCYLLA. Alternative: SEA CADET CORPS, NAVAL CADETS' NISSEN HUTS, FOOTDEE, FITTIE	MILITARY HEADQUARTERS, NISSEN HUT(S)
NJ90SE.23.0	ABERDEEN, DOONIES HILL CHAIN HOME LOW RADAR STATION. Alternative: LOIRSTON COUNTRY PARK	RADAR STATION (20TH CENTURY)
NJ90NE.49.-	ABERDEEN, GREYHOPE ROAD, ROCKET HOUSE. Alternative: ABERDEEN HARBOUR, COASTGUARD LIFESAVING STATION	BUILDING
NJ90NE.51.-	ABERDEEN, TORRY, EAST BLOCK MARINE LABORATORY. Alternative: TORRY RESEARCH STATION, VICTORIA RD, BAXTER ST, WOOD ST, ABBEY RD, GREYHOPE RD, ST FITTICK'S RD	SCIENTIFIC RESEARCH ESTABLISHMENT
NJ90SE.36.-	ABERDEEN, NIGG BAY, SEWAGE TREATMENT PLANT. Alternative: NIGG BAY, WASTE WATER TREATMENT PLANT, NIGG HEADWORKS	SEWAGE WORKS
NJ90SE.34.-	ABERDEEN, BALNAGASK CIRCLE, BRIMMOND COURT. Alternative: ABERDEEN, BALNAGASK SOUTH SECTION 14	POINT BLOCK
NJ90SE.28.-	ABERDEEN, BUCHAN ROAD, GENERAL. Alternative: -	GENERAL VIEW
NJ90SE.31.-	ABERDEEN, BALNAGASK CIRCLE, GRAMPIAN COURT. Alternative: ABERDEEN, BALNAGASK SOUTH SECTION 14	POINT BLOCK
NJ90SE.53.-	ABERDEEN, BALNAGASK CIRCLE, MORVEN COURT. Alternative: -	POINT BLOCK
NJ90NE.72.-	ABERDEEN, FOOTDEE, PILOT SQUARE, GENERAL. Alternative: NEW PIER ROAD, FISHER COTTAGES	GENERAL VIEW
NJ90NE.73.-	ABERDEEN, FOOTDEE, NEW PIER ROAD, GENERAL. Alternative: -	GENERAL VIEW
NJ90NE.74.-	ABERDEEN, FOOTDEE, 1 NEW PIER ROAD. Alternative: FISHER COTTAGES	COTTAGE (19TH CENTURY)
NJ90NE.75.-	ABERDEEN, FOOTDEE, NORTH SQUARE, GENERAL. Alternative: FISHER COTTAGES	GENERAL VIEW
NJ90NE.77.-	ABERDEEN, FOOTDEE, 4 SOUTH SQUARE. Alternative: FISHER COTTAGES	COTTAGE
NJ90SE.23.1	ABERDEEN, DOONIES HILL RADAR STATION. Alternative: LOIRSTON COUNTRY PARK	PILLBOX (20TH CENTURY)

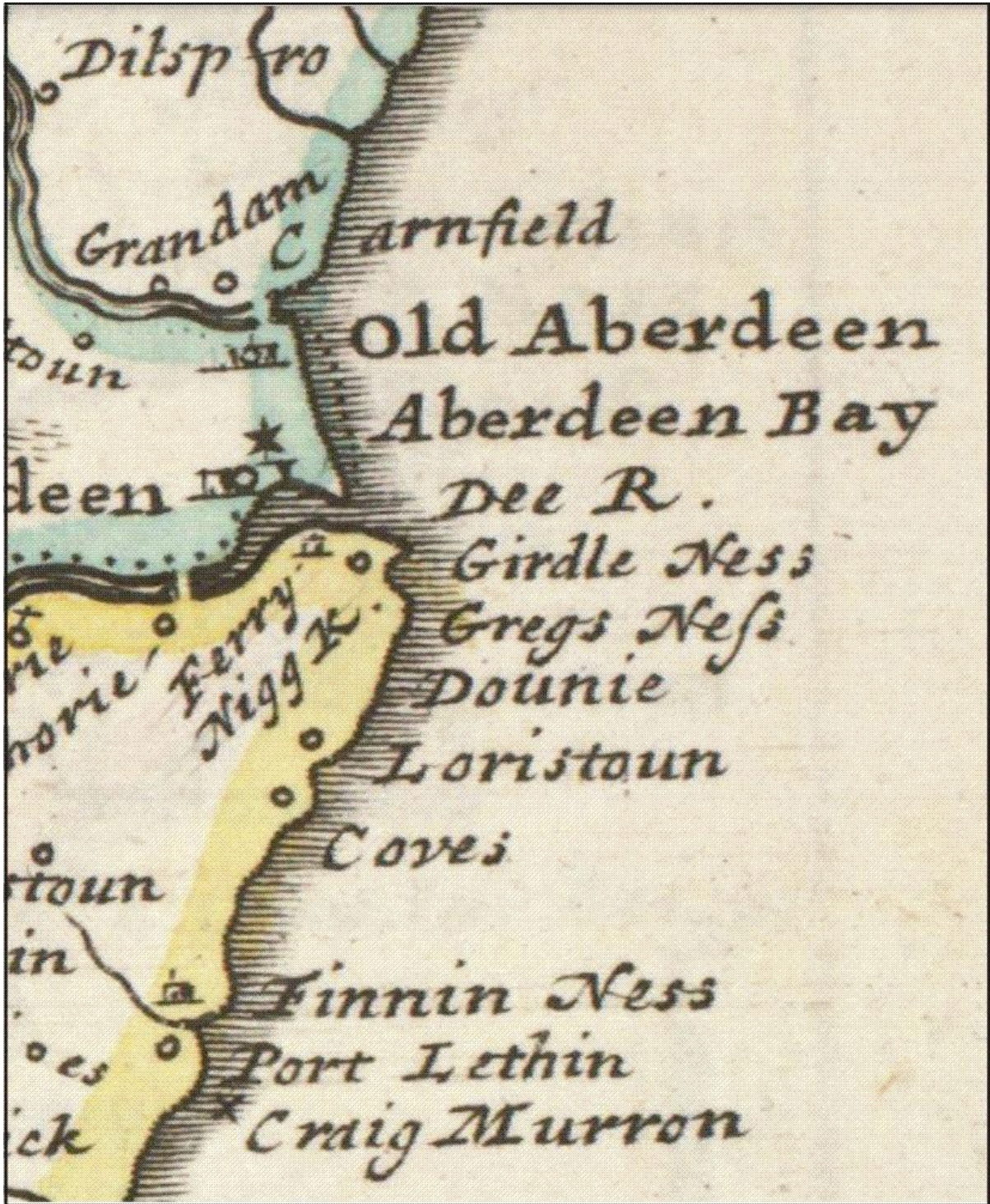
NJ90SE.57.-	ABERDEEN, NIGG BAY. Alternative: -	PILLBOX (20TH CENTURY)
NJ90SE.58.-	ABERDEEN, NIGG BAY. Alternative: -	ANTI TANK BLOCKS (20TH CENTURY)
NJ90NE.62.-	ABERDEEN, FOOTDEE, PILLBOX. Alternative: ABERDEEN HARBOUR	PILLBOX (20TH CENTURY)
NJ90NE.63.-	ABERDEEN, FOOTDEE, ANTI-TANK BLOCKS.	ANTI TANK BLOCKS (20TH CENTURY)
NJ90NE.64.-	ABERDEEN, FOOTDEE, PILLBOX. Alternative: -	ANTI TANK BLOCKS (20TH CENTURY), PILLBOX
NJ90NE.79.-	ABERDEEN, TORRY, WOOD STREET	GENERAL VIEW
NJ90SE.59.-	NIGG BAY. Alternative: -	NO CLASS (EVENT)
NJ90NE.80.-	ABERDEEN, TORRY, BALNAGASK HOUSE. Alternative: -	HOUSE
NJ90SE.60.-	GREGNESS COASTGUARD STATION. Alternative: GREG NESS, DOONIES HILL, LOIRSTON COUNTRY PARK	COASTGUARD STATION
NJ90NE.110.-	ABERDEEN, BALNAGASK GOLF COURSE, GREYHOPE COTTAGES. Alternative: GIRDLE NESS, TORRY BATTERY	COTTAGE(S)
NJ90NE.91.-	ABERDEEN, GIRDLE NESS, STONE. Alternative: WALKER PARK, BALNAGASK GOLF COURSE	STONE
NJ90NE.92.-	ABERDEEN, GIRDLE NESS, BOUNDARY STONE. Alternative: WALKER PARK, BALNAGASK GOLF COURSE	BOUNDARY STONE
NJ90NE.93.-	ABERDEEN, GIRDLE NESS, BOUNDARY STONE. Alternative: WALKER PARK, BALNAGASK GOLF COURSE	BOUNDARY STONE
NJ90NE.94.-	ABERDEEN, GIRDLE NESS, BOUNDARY STONE. Alternative: BALNAGASK GOLF COURSE	BOUNDARY STONE
NJ90NE.95.-	ABERDEEN, GIRDLE NESS, BOUNDARY STONE. Alternative: BALNAGASK GOLF COURSE	BOUNDARY STONE
NJ90NE.96.-	ABERDEEN, TORRY, NORTH KIRKHILL. Alternative: BALNAGASK GOLF COURSE	COTTAGE, CROFT
NJ90NE.97.-	ABERDEEN, TORRY, ABBEY ROAD, BOUNDARY STONE. Alternative: -	BOUNDARY STONE
NJ90NE.98.-	ABERDEEN, TORRY, ABBEY ROAD, BOUNDARY STONE. Alternative: -	BOUNDARY STONE
NJ90NE.101.-	ABERDEEN, BALNAGASK MAINS. Alternative: TORRY, BALNAGASK HOUSE, STEADING, BALNAGASK HOUSE POLICIES	FARMHOUSE, FARMSTEAD
NJ90NE.102.-	ABERDEEN, SOUTH KIRKHILL. Alternative: TORRY, VICTORIA ROAD	FARMHOUSE, FARMSTEAD
NJ90NE.103.-	ABERDEEN, SOUTH KIRKHILL. Alternative:	FARMHOUSE, FARMSTEAD

	BALNAGASK GOLF COURSE, TORRY	
NJ90NE.105.-	ABERDEEN, BALNAGASK GOLF COURSE, BOUNDARY STONE. Alternative: TORRY	BOUNDARY STONE
NJ90NE.106.-	ABERDEEN, BALNAGASK GOLF COURSE, SAND PIT. Alternative: TORRY	SAND AND GRAVEL WORKINGS
NJ90NE.107.-	ABERDEEN, BALNAGASK GOLF COURSE, SAND PIT. Alternative: TORRY	SAND AND GRAVEL WORKINGS
NJ90NE.108.-	ABERDEEN, BALNAGASK GOLF COURSE, SAND PIT. Alternative: TORRY	SAND AND GRAVEL WORKINGS
NJ90NE.8149.-	WELSH PRINCE: GIRDLE NESS, ABERDEEN, NORTH SEA. Alternative: A 280, ABERDEEN HARBOUR ENTRANCE, GIRDLENESS	STEAM TRAWLER (20TH CENTURY)
NJ90NE.111.-	ABERDEEN, GREYHOPE BAY. Alternative: GREYHOPE ROAD, TORRY BATTERY	ANTI TANK BLOCKS (20TH CENTURY)
NJ90NE.8083.-	JOHN CALLAM: GIRDLE NESS, ABERDEEN, NORTH SEA. Alternative: JOHN CALLUM, GIRDLENESS POINT, ABERDEEN HARBOUR, GIRDLENESS LIGHTHOUSE	BRIG (19TH CENTURY)
NJ90NE.8131.-	MARY JANE: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: GIRDLE NESS	SCHOONER (20TH CENTURY)
NJ90NE.8132.-	FISHER LASSIE: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: TORRY	LUGGER (20TH CENTURY)
NJ90NE.8133.-	PRIMROSE: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: TORRY	LUGGER (20TH CENTURY)
NJ90NE.8087.-	EAGLE: ABERDEEN HARBOUR, NORTH SEA. Alternative: ABERDEEN HARBOUR ENTRANCE	BRIG (19TH CENTURY)
NJ90NE.86.-	ABERDEEN, FOOTDEE, 8 SOUTH SQUARE. Alternative: FISHER COTTAGES	COTTAGE
NJ90NE.22.1	ABERDEEN, TORRY BATTERY. Alternative: -	PILLBOX (20TH CENTURY)
NJ90SE.23.2	ABERDEEN, DOONIES HILL, RADAR STATION. Alternative: LOIRSTON COUNTRY PARK	PILLBOX (20TH CENTURY)
NJ90NE.8123.-	VINE: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: ABERDEEN HARBOUR, NORTH PIER, END	SCHOONER (19TH CENTURY)
NJ90NE.8112.-	DUCHESS: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: ABERDEEN BAY	STEAMSHIP (19TH CENTURY)
NJ90SE.79.-	DOONIES HILL, BOUNDARY STONE. Alternative: NESS FARM GULLEY	BOUNDARY STONE
NJ90SE.80.-	DOONIES HILL, BOUNDARY STONE. Alternative: -	BOUNDARY STONE
NJ90SE.81.-	NESS. Alternative: -	FARMHOUSE, FARMSTEAD
NJ90SE.84.-	MIDDLETON, SAND PIT. Alternative: TULLOS WOOD, TULLOS HILL	SAND AND GRAVEL WORKINGS

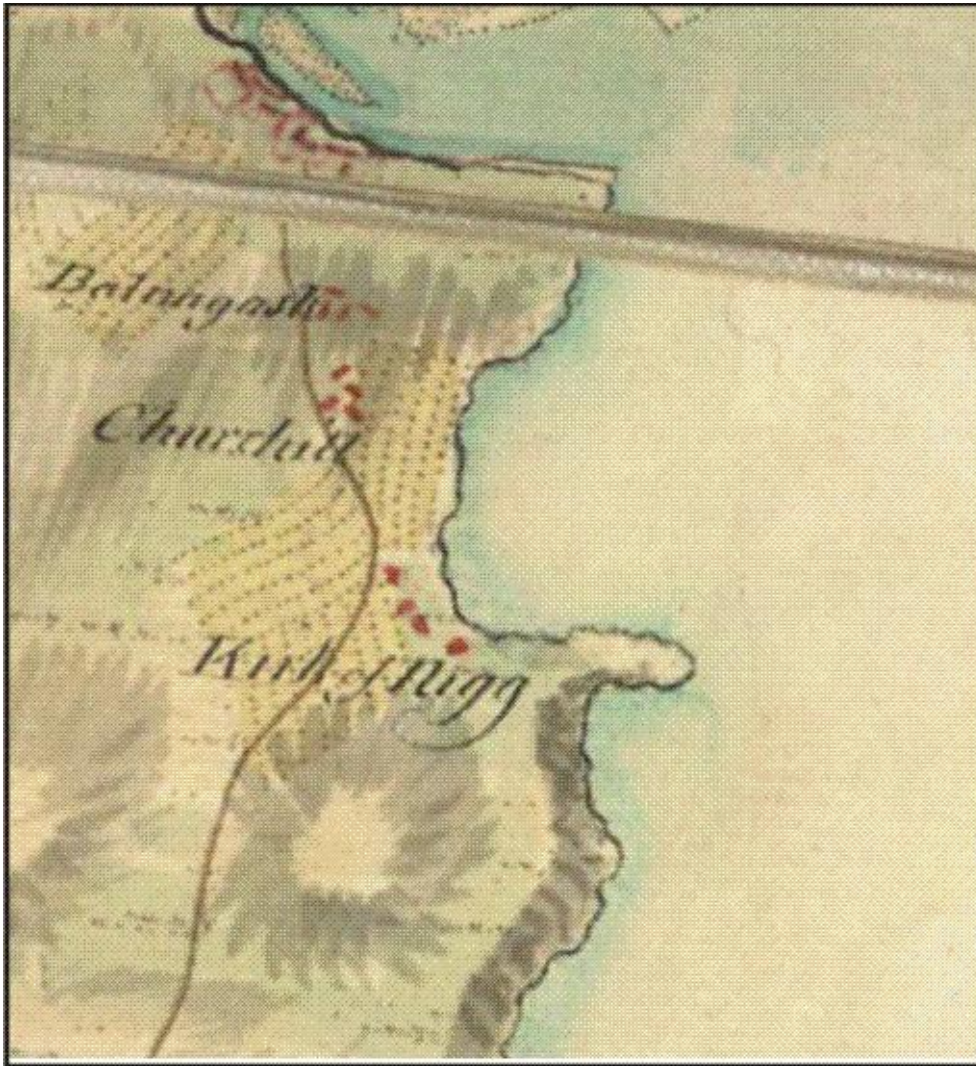
NJ90SE.85.-	NIGG BAY, BOUNDARY STONES. Alternative: -	BOUNDARY STONE(S)
NJ90SE.86.-	NIGG BAY, BOUNDARY STONE. Alternative: -	BOUNDARY STONE
NJ90SE.87.-	NIGG BAY, BOUNDARY STONE. Alternative: -	BOUNDARY STONE
NJ90SE.88.-	NIGG, ST FITTICK'S CHURCH, MANSE. Alternative: NIGG, OLD PARISH MANSE, BALNAGASK	BUILDING, MANSE
NJ90NE.8103.-	CHARLES GREEN: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: ABERDEEN BAY, ABERDEEN HARBOUR, NORTH PIER	SCHOONER (19TH CENTURY)
NJ90NE.8104.-	ISABELLA: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: ABERDEEN BAY, ABERDEEN HARBOUR, NORTH PIER, RIVER DEE	SCHOONER (19TH CENTURY)
NJ90NE.8107.-	MARS: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: ABERDEEN BAY	BRIG (19TH CENTURY)
NJ90NE.8068.-	AID: GIRDLE NESS, ABERDEEN, NORTH SEA. Alternative: GIRDLENESS POINT, ABERDEEN HARBOUR	SLOOP (19TH CENTURY)
NJ90NE.8125.-	WATCHFUL: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: -	LUGGER (19TH CENTURY)
NJ90SE.94.-	TULLOS HILL, BOUNDARY STONE. Alternative: -	BOUNDARY STONE
NJ90NE.8048.-	OSCAR: GREYHOPE, ABERDEEN, NORTH SEA. Alternative: ABERDEEN HARBOUR ENTRANCE, 'BETWEEN THE GIRDLE AND SHIRTNESS', GIRDLE NESS, GREY HOPE, SHORT NESS	CRAFT (19TH CENTURY)
NJ90NE.8050.-	THAMES: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: GREYHOPE ROCKS	SMACK (19TH CENTURY)
NJ90NE.8053.-	HUDDLESTONE: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: -	CRAFT (19TH CENTURY)
NJ90NE.8120.-	DELIGHT: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: -	LUGGER (19TH CENTURY)
NJ90NE.8134.-	NO 4: ABERDEEN HARBOUR, NORTH SEA. Alternative: PADDY'S JETTY	LUGGER (20TH CENTURY)
NJ90NE.8113.-	TOM DUFF: ABERDEEN HARBOUR ENTRANCE, NORTH SEA. Alternative: ABERDEEN HARBOUR, NORTH PIER, 'ON THE NORTH PIER, ABERDEEN'	SCHOONER (19TH CENTURY)



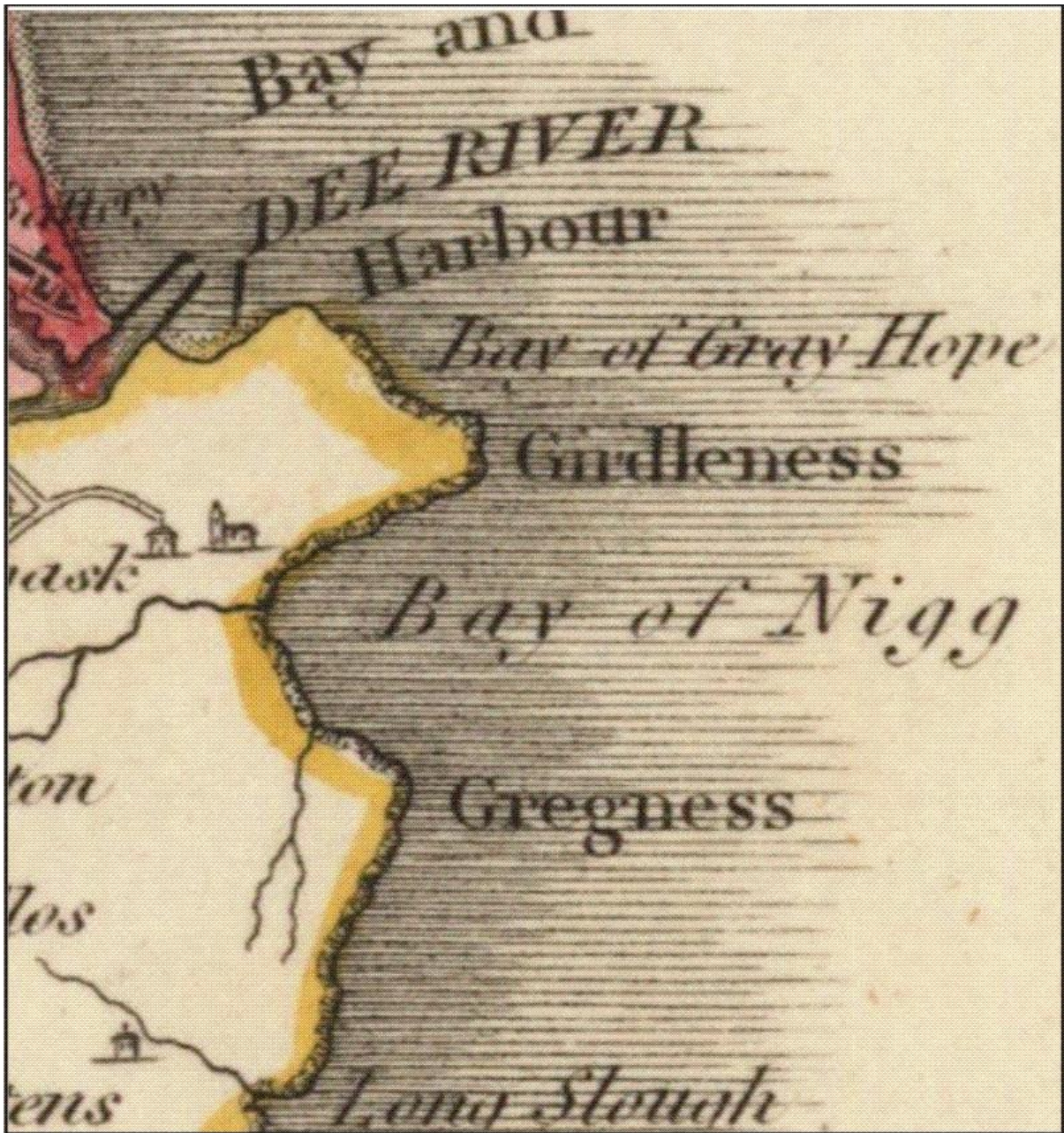
APPENDIX 4 MAPS



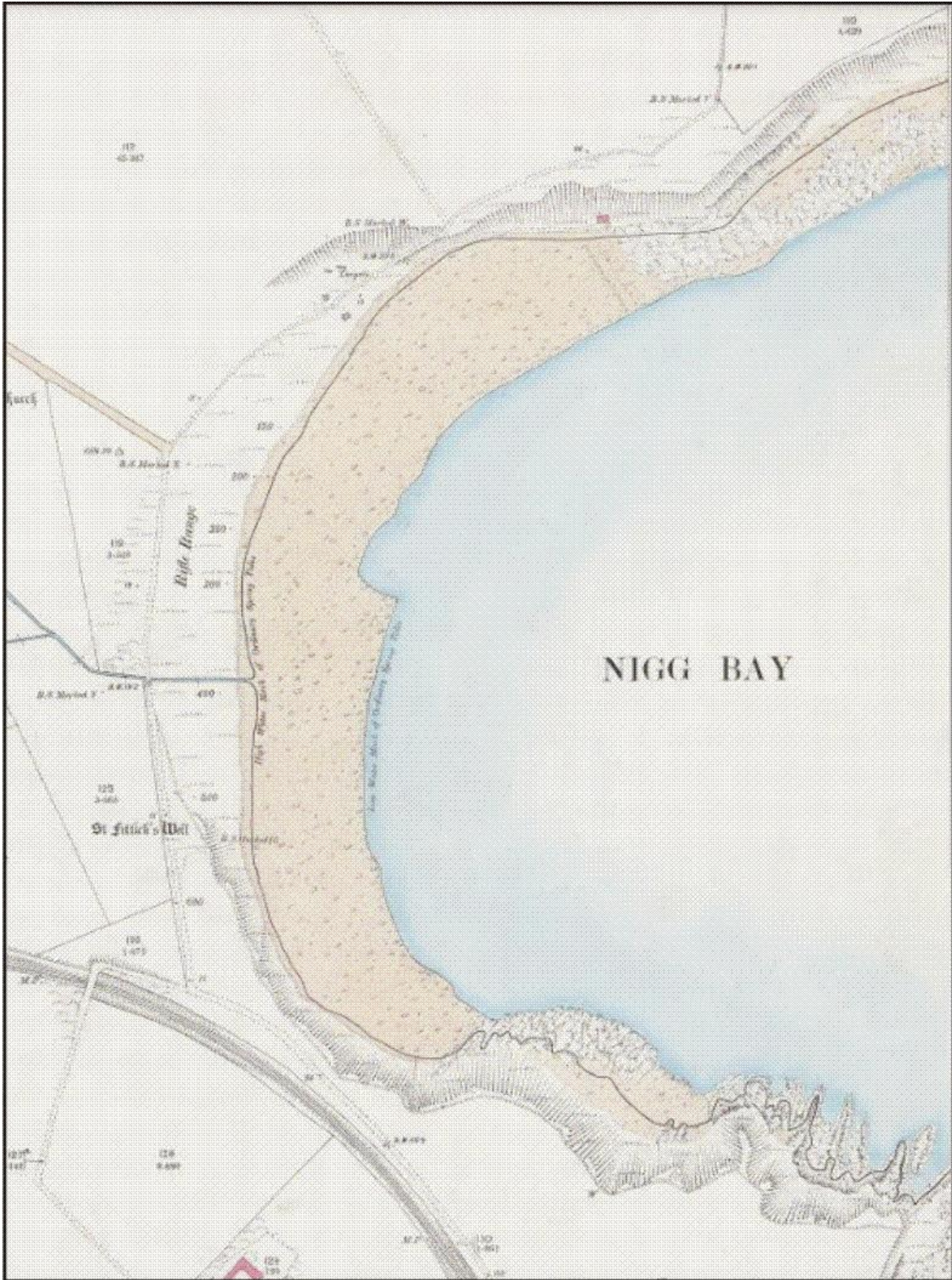
Illus 4 Hermann Moll, c. 1654-1732, The Shires of Bamf [i.e. Banff] and Aberdeen  
Published: 1745 (©National Library of Scotland)



Illus 5 Roy Military Survey of Scotland, 1747-55 (©National Library of Scotland)

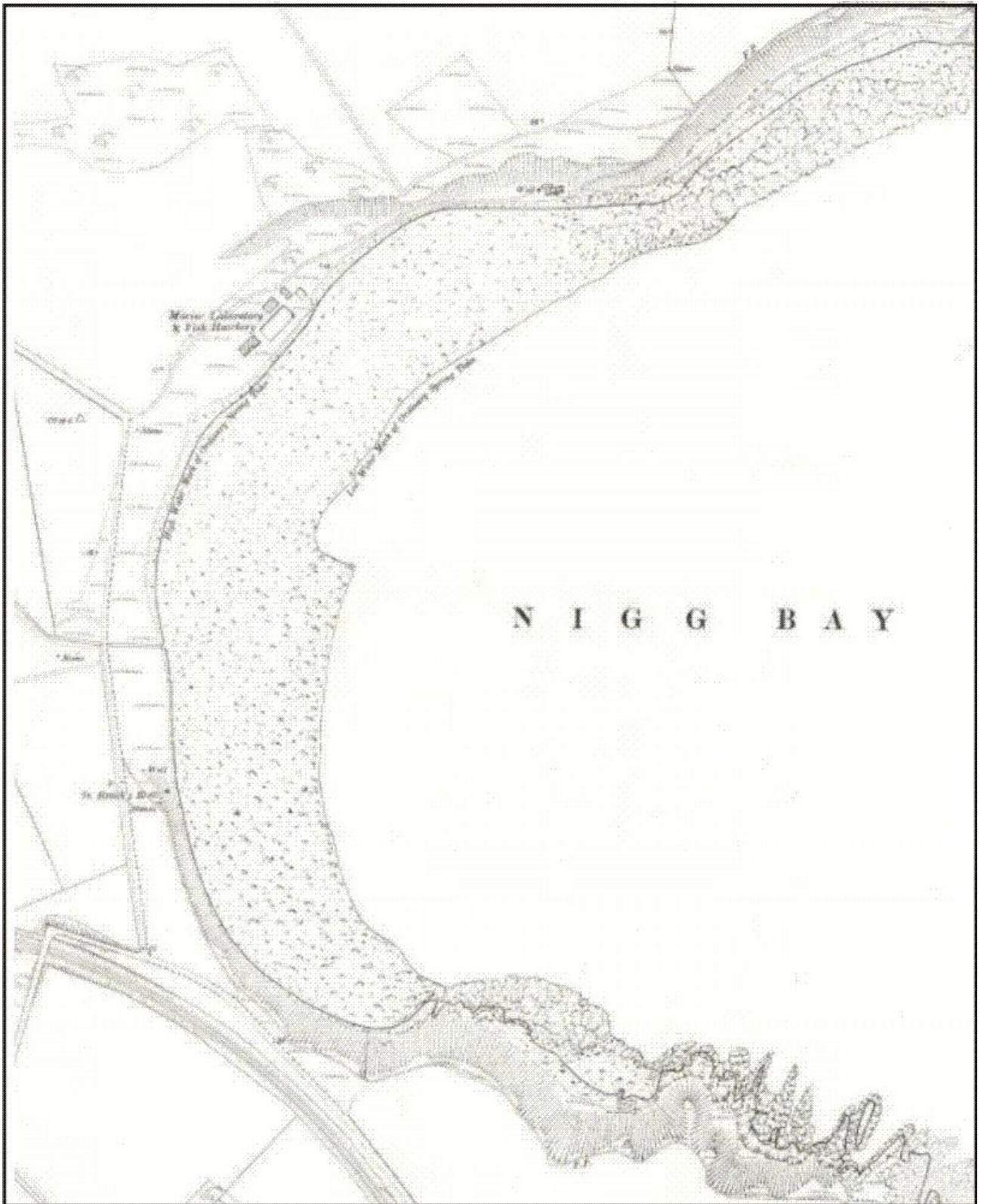


Illus 6 John Thomson, Northern Part of Aberdeen & Banff Shires. Southern Part.  
Published: 1826 (©National Library of Scotland)



Illus 7 First Edition Ordnance Survey (©National Library of Scotland)

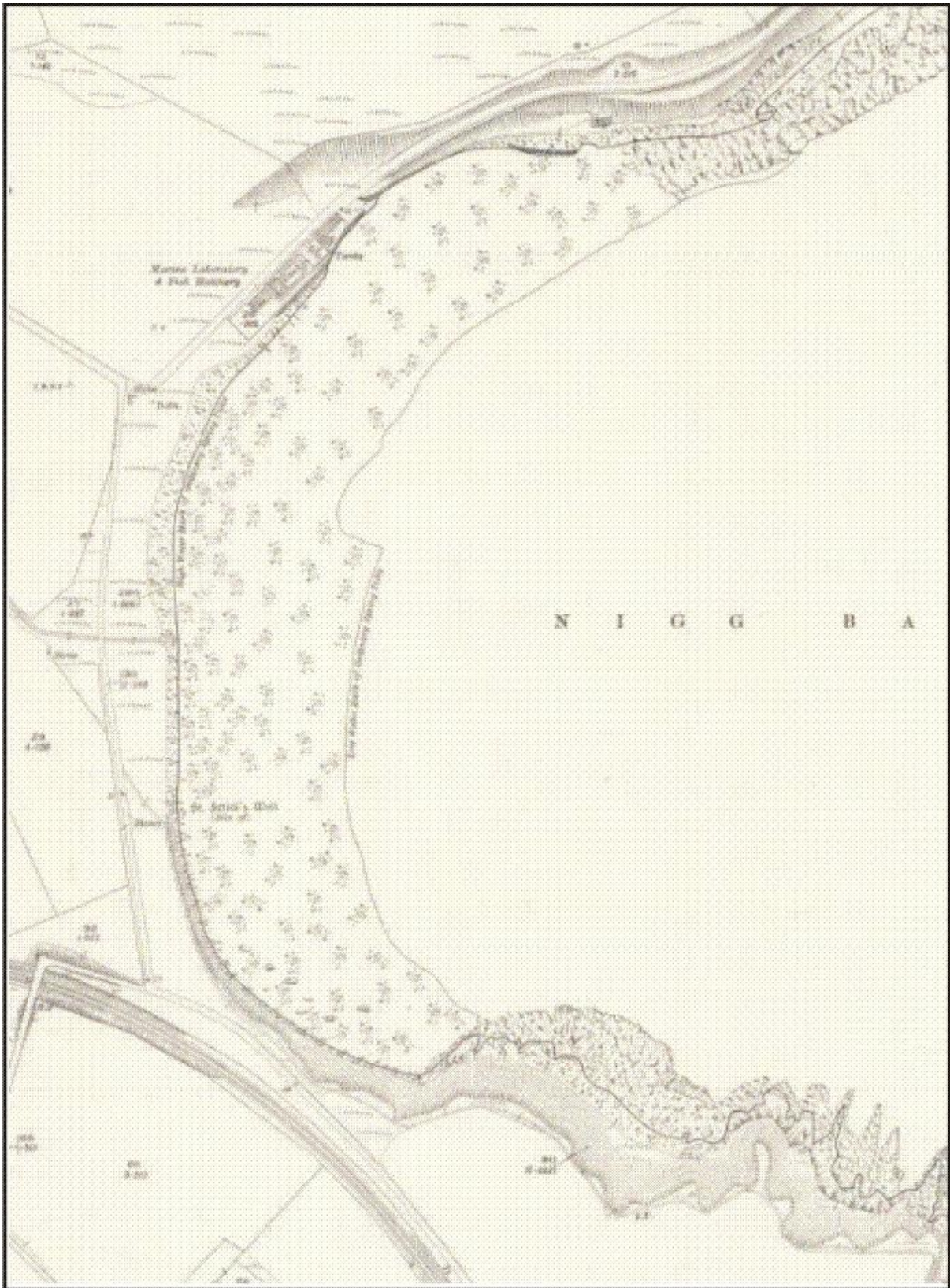
Title: Kincardine Sheet IV.3 (Combined)  
Survey date: 1865 Publication date: 1868



Illus 8 Second Edition Ordnance Survey (©National Library of Scotland)

Title: Aberdeenshire, Sheet 075.16

Publication date: 1901 Revised: ca. 1900



Illus 9 Third Edition Ordnance Survey (©National Library of Scotland)

Title: Aberdeenshire, Sheet 075.16

Publication date: 1926 Revised: ca. 1923 Levelled: 1899/1900