
Asset Inspection Document

Walk-over Visual Inspections of Assets

Prepared for

Scarborough Borough Council



A great place to live, work & play

NOVEMBER 2022



Marlborough House
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Content Amendment Record

Version	Status	Signed off by:	Date signed	Date issued
1	First issue	N J Cooper	14/11/2022	14/11/2022

Asset Management Condition Survey

1.1. Disclaimer

Royal HaskoningDHV (RHDHV) has prepared this report in accordance with the instructions of our client Scarborough Borough Council (SBC) for the client’s sole and specific use. RHDHV has used reasonable skill, care and diligence in the collection of existing information and during the survey carried out and accepts no responsibility for the content, quality or accuracy of any Third-party information provided either to them by SBC or, via SBC from a Third-party source under this contract.

1.2. Outline

A detailed condition assessment was carried out between March and October 2022 by RHDHV. The inspections involved visual assessment of the principal coast protection assets.

The inspections were planned to coincide with suitable tidal states to ensure maximum visibility of the structures. However, the toe of defence assets around Castle Cliff and Scarborough Harbour are constantly submerged and therefore an inspection of only the visible elements from land has been undertaken. This also applies to the breakwaters at Whitby and Staithes. High beach levels also prevented visual inspections of the toe/foundations of structures in places. Inspections were made from both the seaward and landward side of defence where possible.

As in previous years, assets were visually inspected, photographed, graded based on their condition as defined in Table 1, 2 and 3 and an estimate was made of their residual life and urgency of repair work.

A	Very Good	No Defects
B	Fair	Minor or cosmetic defects that will not reduce the overall performance of the asset
C	Poor	Defects that would reduce the performance of the asset
D	Very Poor	Severe defects resulting in complete performance failure

Table 1: Condition Assessment Score

1	Urgent	To prevent a closure of any part of the building or address a breach of health and safety legislation
2	Essential	Will be required within 2 years
3	Desirable	Required within 3 to 5 years
4	Long Term	Required outside 5 years, stating the estimated duration

Table 2: Condition Assessment Priority Score

Priority	1	Yellow	Red	Red	Red
	2	Yellow	Yellow	Yellow	Red
	3	Green	Yellow	Yellow	Red
	4	Green	Green	Yellow	Yellow
		A	B	C	D
		Condition			

Table 3: Condition Assessment ratings

1.3. Study Area

This report documents the condition of the coastal assets of the North Yorkshire coast from Staithes in the north, to Filey Bay in the south. The study area comprises Filey, Cayton Bay, Scarborough Harbour and South Bay, The Homs and Castle Headland, Scarborough North Bay, Robin Hood’s Bay, Whitby, Sandsend, Runswick Bay, Port Mulgrave and Staithes. An overview of the study area is provided in Figure 1 below.

Detailed maps of the SBC assets are in **Appendix B**.



Figure 1: Study Area

Condition Assessment

Generally, the condition of the defences has not changed dramatically since inspections undertaken in summer 2020 except for:

- Minor supplementary damage;
- Maintenance and repairs undertaken/underway; or
- Capital schemes.


It is known that other works are planned imminently at Robin Hood's Bay to improve asset condition in this location in the future.


It is recommended that regular yearly inspections and/or targeted surveys for specific assets are undertaken after a large tidal event or storm event where the stability and structural condition of these assets are most likely to be affected.


Appendix A - Condition Assessment Results


Staithes


Asset locations detailed on drawing 457730-01


SBC Reference:	N/A		
NFCDD reference:	1221D901D0402C01		
	Asset Location:	NZ78271901, NZ78441906. North breakwater.	
	Asset Length:	370.8	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	<p>Rock armour tightly packed to consistent profile. No evidence of significant displacement/movement. Possible local displacement of rock armour from crest at head of structure on inside east face. Two of stacked/pinned crest blocks missing adjacent to walkway (possible remains on foreshore). Heavily corroded steel sheet piling, particularly in uppermost 2m (believed to be permanent formwork rather than structural). Cracking to deck and crest wall. Crack to full width of deck and crest wall approx. 20m from seaward extent. Previous repair (grout/concrete infill) evident. Brittle sealant or loss of sealant within expansion joints in deck.</p> <p>Cracking, abrasion and rust staining to crest wall, particularly coping on inside face from "elbow" seaward (wall narrower). Cracking and abrasion to deck – most significant at "elbow". Rust staining of crest wall. Stainless steel guardrail in fair condition although gap beneath bottom rail is large in areas with abrasion of crest. Fixing for life ring stand damaged. Possible evidence of undercutting of outer concrete face exposed by low beach levels close to landward end. Access ramp and concrete "baffles" at landward end in good condition .</p> <p>2No approx. 0.5t armour rocks sitting on concrete access ramp .</p>		
	Recommendations		
	<p>Grout voids in structure. Monitor rock armour at head (inside toe) and potential undercutting of inside concrete face (likely requiring boat survey). Repair crest/deck locally. Replace flexible sealant. Adjust guard railing to reduce risk of pedestrians falling. Secure life-ring mount.</p>		


SBC Reference:	N/A		
NFCDD reference:	1221D901D0402C02		
	Asset Location:	NZ78301893, NZ78271901. South of Northern breakwater.	
	Asset Length:	91.4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Rock armour generally in good condition, with consistent profile and no evidence of significant displacement. Crest at northern extent appeared slightly lower (exposing concrete walkway behind). Rock armour on foreshore in front of toe – possibly displaced from crest. Unchanged from 2020 survey suggesting stable.</p> <p>Concrete seawall at southern end in fair condition with exposed aggregate/abrasion and open joints, esp. close to crest. Minor cracking evident. Abrasion on wall crest and promenade.</p>		
	Recommendations		
	<p>Continue to monitor. Reprofile rock at northern extent. Minor repairs to seawall (pointing/fill cracks).</p>		


SBC Reference:	N/A		
NFCDD reference:	1221D901D0402C03		
	Asset Location:	NZ78251893, NZ78301893. RNLI slipway.	
	Asset Length:	55.3	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Abrasion / opening of horizontal construction joints in concrete wall. Slipway surface in good condition, but timber piles cracked and weathered. Gabion baskets generally in good condition although limited visibility due to high beach levels and vegetation cover. Previous survey suggested potential settlement – not evident here. Long standing void in masonry river wall – now approx. 1m deep – beneath area subject to vehicle loading. Significant abrasion of masonry leaving mortar from previous repointing standing proud.		
	Recommendations		
	Monitoring and repair cracks to wall. Infill void.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D0402C06		
	Asset Location:	Staithes, LB of River D/S of footbridge.	
	Asset Length:	100.3	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Promenade / road in fair condition. Wall has missing blocks and open joints locally. Vegetation growth at top of wall causing damage to concrete render. Small voids in timber and masonry training wall – largely obscured by marine vegetation growth, however no visible signs of global movement or distress of the structure		
	Recommendations		
	Clear vegetation to allow inspection. Replace missing blocks and repoint open joints. Infill / grout voids.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D0402C04		
	Asset Location:	NZ78261889, NZ78301886. South bank from bridge.	
	Asset Length:	117.1	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Repair work to parts of wall evident. Vegetation growing in joints/voids locally. Minor cracks evident throughout wall. Open joints and loose masonry blocks locally (two areas in property walls backing onto Staithes Beck in poor condition as a result).</p> <p>Undercutting of toe reported in 2014 partially visible in 2018 not observed in 2020 or 2022 due to higher beach level and marine vegetation growth.</p>		
	Recommendations		
	Clear vegetation. Repair cracks, repoint masonry, fill voids. Continue to monitor.		


SBC Reference:	02-04-01		
NFCDD reference:	1221D901D0402C22		
	Asset Location:	Between slipway and groyne on South wall.	
	Asset Length:	47.7	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	<p>Repairs evident to cracks and missing blocks replaced. Two groynes in good condition (concrete and rock armour sections). Cracking and abrasion locally. Significant horizontal crack at base of structure wall on top of seawall. Vegetation growth throughout. Partially visible in 2022 – approx. 2m long, 100mm tall, 300mm deep void between concrete wall and rock on foreshore. Located approx. mid-point between slipway and groyne structure.</p>		
	Recommendations		
	Clear vegetation. Repairs to walls joints, cracks and infill voids at toe. Consider investigation to expose voids and determine extent/take remedial action in advance of natural beach lowering.		


SBC Reference:	03-04-01		
NFCDD reference:	1221D901D0402C05		
	Asset Location:	NZ78301886, NZ78361882. Between east groyne and slipway.	
	Asset Length:	70.5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Multiple cracks and spalling, but signs of multiple repair works. Some loose blocks to slipway walls. Significant vegetation growth obscuring north face of slipway. Cracks along promenade. Additional toe berm placed along short length since 2012. Cope repair patches holding well.		
	Recommendations		
	Continue to monitor. Clear vegetation, repair cracks and joints.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D0403C07		
	Asset Location:	NZ78361882, NZ78381885. In-between South slipways.	
	Asset Length:	32	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Groyne in good condition. Minor cracking to second "step". Vegetation cover at seaward end. Handrail in good condition.		
	Recommendations		
	Continue to monitor.		

SBC Reference:	04-04-01		
NFCDD reference:	1221D901D0403C01		
	Asset Location:	NZ78361882, NZ78421880 South wall next to last slipway.	
	Asset Length:	73.1	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Vertical full height cracks through the wall between access steps and groyne has been filled although would benefit from further attention due to abrasion at surface. Exposure of aggregate throughout wall. Vegetation growing at top of wall. Cracking to promenade.		
	Recommendations		
	Continue to monitor. Remove vegetation. Re-visit previous infill repair to full-height crack. More general repairs to wall and promenade cracking.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D0403C02		
	Asset Location:		
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Concrete steps in fair condition. Handrails in fair condition.		
	Recommendations		
	Continue to monitor		

SBC Reference:	N/A		
NFCDD reference:	1221D901D0403C05		
	Asset Location:	NZ78421881, NZ78441881 Next to cliff.	
	Asset Length:	26.8	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Concrete ramp and steps in good to fair condition. Loss of joint filler and minor abrasion at exposed edges at construction joints.		
	Recommendations		
Continue to monitor. Replace joint filler.			

SBC Reference:	N/A		
NFCDD reference:	1221D901D0403C04		
	Asset Location:	NZ78431886, NZ78461884 Behind South breakwater.	
	Asset Length:	39	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Good condition concrete breakwater, some minor cracking in crest. Vegetation growth to vertical faces. Crack in vertical face at seaward end. At mid-length, vertical crack full width of deck and corresponding crack in vertical faces – appeared historic/stable. Handrails in good condition throughout.		
	Recommendations		
Fill cracks. Continue to monitor.			


SBC Reference:	N/A		
NFCDD reference:	1221D901D0403C03		
	Asset Location:	NZ78491884, South Breakwater.	
	Asset Length:	327.5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Concrete crest cracked in the middle of the length. Rock armour mostly tightly packed and maintaining good profile although some smaller rocks displaced and sitting on top of rock armour and four rocks on concrete deck (at seaward end). Opening of construction joints to the old part of the wall (visible on inner face). Notable construction joint between wall concrete and crest concrete look to be widening esp. around historic ladders. Local cracking and loose concrete locally at crest on inside face at approx. Mid-length possibly as a result of vessel impact. Minor deformation of handrails in same location. Local repairs ongoing July 2022.		
	Recommendations		
	Continue to monitor. Move smaller rock armour pieces from concrete crest back into revetment (H&S/access/aesthetic – not critical for performance of structure).		


Port Mulgrave


SBC Reference:	N/A		
NFCDD reference:	1221D901D0502C01		
	Asset Location:	NZ79871763, NZ79941769. Port Mulgrave Pier.	
	Asset Length:	161.4	
	Condition Assessment		
	Condition	Priority	Risk
	D	1	
	Brief Description		
	The structure is considered redundant however still provides limited protection to the fishermen huts and base of the cliff. Continues to deteriorate, however little change between 2020 and 2022 surveys.		
	Recommendations		
Not inspected - redundant			


Runswick Bay


Asset locations detailed on drawing 457730-02


SBC Reference:	07-07A-01		
NFCDD reference:	1221D901D0601C01		
	Asset Location:	NZ81081614, NZ81111619. Next to Upgarth Hill	
	Asset Length:	72.4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Previously reported defects (erosion/abrasion & undercutting to the wall toe) were repaired via local concrete repairs in advance of construction of rock armour fillet as part of Coastal Protection Scheme (July 2018). Rock armour extends approx. 15m west of seawall to tie-in at Cauldron Cliff.</p> <p>Wash out of the joints under the capping beam. Local cracking and abrasion/spalling of reinforced concrete coping/capping beam continues to worsen. Brittle/missing joint filler on promenade parallel to capping beam (up to 20mm wide joint). Vegetation growth in joints. Route for surface water to enter backfill – increased risk of freeze-thaw action. Differential settlement of promenade slabs. 10-20mm vertically.</p>		
	Recommendations		
	Local repairs to concrete coping, fill open joints. Remove vegetation. Replace joint filler. Continue to monitor.		


SBC Reference:	07-07A-02		
NFCDD reference:	1221D901D0601C01001		
	Asset Location:	Runswick Beck	
	Asset Length:	2	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Former Yorkshire Water (YW) gravity combined sewer connection into longshore outfall, redundant / filled with concrete during YW realignment works in 2017. High beach levels substantially cover concrete YW manhole between rock armour fillets remains live - combined gravity sewer runs south to pumping station (beneath rock armour). Bag work and ad hoc concrete wall/repairs running up into Runswick Beck are generally in fair to poor condition but are protected to some extent by the rock armour. Provides informal access/egress to beach. Local damage to concrete manhole cover slab.		
	Recommendations		
	Continue to monitor. Remove vegetation and infill cracks.		


SBC Reference:	07-07A-03		
NFCDD reference:	1221D901D0601C06		
	Asset Location:	North side of Runswick Bay	
	Asset Length:	25.3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Rock armour fillet constructed as part of Coastal Protection Scheme (July 2018). Local repointing and repairing of cracks to masonry sea wall and concrete apron in advance of rock placement. Rock armour maintains good interlock and consistent profile throughout.		
	Recommendations		
	Continue to monitor.		


SBC Reference:	08-07A-01		
NFCDD reference:	1221D901D0601C03		
	Asset Location:	NZ81001604, NZ81081614. North of breakwater.	
	Asset Length:	91.3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Rock armour fillet constructed as part of Coastal Protection Scheme (July 2018). Local repointing of masonry sea wall and repairs to coping in advance of rock placement. Minor cracking in concrete of promenade. Recessed mortar in structure and slope protection above seawall, to eastern extent of asset. Brittle/missing joint filler to promenade and concrete retaining wall to rear. Rock armour maintains good interlock and consistent profile throughout. YW rodding eyes remain visible/accessible from promenade.		
	Recommendations		
	Continue to monitor. Repair cracks, replace joint filler, repoint masonry of structures and slope protection.		


SBC Reference:	08-07A-02		
NFCDD reference:	1221D901D0601C03 ⁰⁰¹		
	Asset Location:	North of breakwater	
	Asset Length:	~7	
	Condition Assessment		
	Condition	Priority	Risk
	A	4	>5
	Brief Description		
	Reinforced concrete access steps constructed as part of Coastal Protection Scheme (July 2018). Precast RC step and landing units grouted onto mass concrete fill in advance of placing rock armour to both sides. Handrailing installed by SBC in August 2018. Flexible construction joints in good condition.		
	Recommendations		
	Continue to monitor.		


SBC Reference:	08-07A-03		
NFCDD reference:	1221D901D0601C03002		
	Asset Location:	North of breakwater	
	Asset Length:	~35	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	<p>Cracks, abrasion and voids previously reported in lower concrete seawall repaired through Yorkshire Water realignment work (2017) and local concrete repairs in advance of construction of rock armour fillet (July 2018). Repointing/repairs to masonry wall and coping locally. Minor cracking in concrete of promenade. Recessed mortar in structure and slope protection above seawall, to eastern extent of asset. Brittle/missing joint filler to promenade and concrete retaining wall to rear.</p>		
	Recommendations		
Continue to monitor. Repair cracks, replace joint filler, repoint masonry of structures and slope protection.			


SBC Reference:	08-07A-04		
NFCDD reference:	1221D901D0601C02		
	Asset Location:	NZ81011606, NZ81031605.	
	Asset Length:	26.1	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	<p>Breakwater / groyne in poor condition overall. Landward section of structure covered by rock armour fillet (approx. 4m length of crest & 10m length on both faces). Smaller vertical cracks to breakwater at seaward end. Section of breakwater around elbow broken out temporarily to allow access for construction of Coastal Protection Works (this section was previously in very poor condition). Reinstated with 16m³ of in situ cast concrete in July 2018. Crack/displacement of concrete in crest of existing structure at seaward end of infill section.</p> <p>Extensive vegetation coverage. Significant abrasion. Opening of joint between crest and walls. Higher beach levels obscuring potential undercutting reported in 2018.</p>		
	Recommendations		
	Continue to monitor. Consider removal.		


SBC Reference:	08-07A-05		
NFCDD reference:	1221D901D0601C07001		
	Asset Location:	Runswick Bay Pumping Station	
	Asset Length:	7	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	<p>Yorkshire Water constructed concrete manhole chamber immediately to north in advance of Coastal Protection Scheme (July 2018). Remains in good condition as are handrails.</p> <p>Minor local damage/abrasion to surface and edges of concrete access steps. Several steps buried beneath sand. Minor loss of mortar locally. Small flap valve no longer operational and in need of replacement. Rock fillet in good condition – no evidence of global displacement. Gap remains for access to foot of steps.</p>		
	Recommendations		
	Continue to monitor. Replace flap valve.		


SBC Reference:	08-07A-06		
NFCDD reference:	1221D901D0601C07		
	Asset Location:	Runswick Bay. Pumping station.	
	Asset Length:	33.3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Pumping station with masonry cladding in good condition. Rock armour fillet constructed as part of Runswick Bay Coastal Protection Scheme completed July 2018. Minor loss of mortar locally. Small flap valve no longer operational and in need of replacement. Rock fillet in good condition – no evidence of global displacement. Beach levels higher than 2020 survey, now burying significant proportion of rock armour.		
	Recommendations		
Continue to monitor. Replace flap valve.			


SBC Reference:	09-07A-01		
NFCDD reference:	1221D901D0601C04		
	Asset Location:	NZ81011601. Lifeboat slipway.	
	Asset Length:	43.8	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Rotting timber supports to historic lifeboat slipway. Deck timbers in good condition. Cracks/open joints to side walls of Runswick Rescue slipway. Southern slipway / beach access ramp concrete in good condition with local abrasion at construction joints and minor longitudinal crack in top two panels. Concrete revetment including timber steps in good condition.		
	Recommendations		
Repair cracks to slipway, replace rotten/missing timbers. Continue to monitor.			

SBC Reference:	09-07A-02		
NFCDD reference:	1221D901D0601C04 001		
	Asset Location:		
	Asset Length:	~30	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Concrete ramp in good condition. Minor damage / abrasion locally at concrete edges at construction joints. Minor longitudinal crack in centre of top two panels.		
	Recommendations		
Continue to monitor.			

SBC Reference:	10-07A-01		
NFCDD reference:	1221D901D0602C01		
	Asset Location:	NZ81051591, NZ81011601	
	Asset Length:	290	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	<p>Rock armour generally in good condition. Consistent crest and slope profile. No evidence of significant global movement / displacement. Toe rocks well buried in sand. High level access ramp (Cleveland Way) well protected – armour stone “edging” remains in place. Backfill/surfacing in fair condition (smaller rocks and sand placed by SBC).</p>		
	Recommendations		
Continue to monitor.			


SBC Reference:	10-07B-01		
NFCDD reference:	1221D901D0602C01 001		
	Asset Location:	NZ81051591, NZ81011601	
	Asset Length:	~50	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	<p>Concrete slipway in good condition. Vegetation growth associated with Nettle Beck which outfalls through the rock armour and over the ramp surface in high flows.</p>		
	Recommendations		
Continue to monitor.			


SBC Reference:	10-07B-02		
NFCDD reference:	1221D901D0602C01002		
	Asset Location:		
	Asset Length:	~48	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Southern extent of revetment refurbished in June 2018 using surplus rock armour from CPS. Rock is generally 8-10t. Seaward edge of high-tide access ramp lined with single row of rock armour and revetment bolstered with rock armour (previously smaller armour and beach-won boulders were used). Rock armour extends approx. 30m to the south to form fillet at toe of active coastal slopes. High level access ramp (Cleveland Way) well protected – armour stone “edging” remains in place. Backfill/surfacing in fair condition (smaller rocks and sand placed by SBC).</p>		
	Recommendations		
Continue to monitor. Replace smaller backfill as required.			


SBC Reference:	N/A		
NFCDD reference:	1221D901D0602C05		
	Asset Location:	South end of bay.	
	Asset Length:	56.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>North: Rock armour slope protection at mouth of stream. Concrete seawall and apron above timber toe beams (likely permanent formwork). South: Boulders and concrete blocks placed informally on/in front of retaining wall formed from timber sleepers fixed between vertical steel columns. Boulders and large concrete tank blocks to tie into coastal slope.</p>		
	Recommendations		
Continue to monitor. Replace/reprofile rock to protect timber retaining wall.			


Sandsend


Asset locations detailed on drawing 457730-03

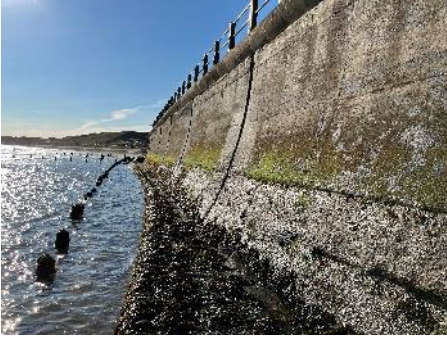
SBC Reference:	13-09A-01		
NFCDD reference:	1221D901D0701C02001		
	Asset Location:	NZ86061286, NZ85981297. Wall protecting car park.	
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Heavily corroded sheet pile retaining wall tied into the unprotected cliff. No deflection / movement of the pile noticeable. Concrete capping appears in good condition. It has previously been observed that minor abrasion at toe has caused some exposed reinforcement, but this was covered by beach sand.		
	Recommendations		
Continue to monitor corrosion of piles and erosion of undefended cliff at tie-in.			


SBC Reference:	13-09A-02		
NFCDD reference:	1221D901D0701C02		
	Asset Location:	NZ86061286, NZ85981297. Wall protecting car park.	
	Asset Length:	174.5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Sloping concrete revetment with a recurve crest wall. The concrete wall remains in fair condition with minimal damage to the surface, however the revetment has lost thickness of concrete at the base through abrasion, with exposure of reinforcement bars previously reported.		
	Recommendations		
Encasement of this reinforcement is advised from a structural perspective, as well as preventing any Health & Safety incidents occurring due to sharp edges of the exposed bars on this popular amenity beach. Cracks towards southern end (near slipway) need filling.			


SBC Reference:	13-09A-03		
NFCDD reference:	1221D901D0701C02002		
	Asset Location:		
	Asset Length:	~15	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Missing filler in joints to slipway's blockwork wing-wall. Toe at interface of slipway and adjacent seawall previously reported as being locally poor, but covered during inspections due to high beach levels.		
	Recommendations		
	Continue to monitor toe and fill gaps in joints on wing-wall.		


SBC Reference:	14-09B-01		
NFCDD reference:	1221D901D0702C01		
	Asset Location:	NZ86061286, NZ86241268	
	Asset Length:	259.1	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Groynes derelict. Apron substantially exposed. Very poor with adjacent timber planks and stakes missing and rotten. Concrete-filled barrel toe structure exposed, with significant displacement of some elements Missing joint filler under capping beam. Some sections of missing sealant in most joints in wall, with minor abrasion around joints.		
	Recommendations		
	Re-seal joints where missing between poured sections of sea wall, and replace/encase apron. Whilst not yet 'urgent' the structure would benefit from works within a few years.		



SBC Reference:	14-09B-02		
NFCDD reference:	1221D901D0702C01001		
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Steps abraded on lower sections. Lower section of handrail replaced since last inspection.		
	Recommendations		
	Continue to monitor.		



SBC Reference:	14-09B-03		
NFCDD reference:	1221D901D0702C01002		
	Asset Location:	Same as 14-09B-01	
	Asset Length:	Incl. in 14-09B-01	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Groynes derelict. Apron substantially exposed. Very poor with adjacent timber planks and stakes missing and rotten. Concrete-filled barrel toe structure exposed, with significant displacement of some elements Missing joint filler under capping beam. Some sections of missing sealant in most joints in wall, with minor abrasion around joints.		
	Recommendations		
	Re-seal joints where missing between poured sections of sea wall, and replace/encase apron. Whilst not yet 'urgent' the structure would benefit from works within a few years.		


SBC Reference:	14-09B-04		
NFCDD reference:	1221D901D0702C01003		
	Asset Location:		
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Steps abraded on lower sections. Handrail replaced or painted since 2018, with lowest section corroded.		
	Recommendations		
	Continue to monitor.		

SBC Reference:	14-09B-05		
NFCDD reference:	1221D901D0702C01004		
	Asset Location:	Same as 14-09B-01	
	Asset Length:	Incl. in 14-09B-01	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Groynes derelict. Apron substantially exposed. Very poor with adjacent timber planks and stakes missing and rotten. Concrete-filled barrel toe structure exposed, with significant displacement of some elements Missing joint filler under capping beam. Some sections of missing sealant in most joints in wall, with minor abrasion around joints.		
	Recommendations		
Re-seal joints where missing between poured sections of sea wall, and replace/encase apron. Whilst not yet 'urgent' the structure would benefit from works within a few years.			


SBC Reference:	14-09B-06		
NFCDD reference:	1221D901D0702C01005		
	Asset Location:		
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Steps abraded on lower sections. Handrail replaced or painted since 2018, with lowest section corroded.		
	Recommendations		
Continue to monitor.			


SBC Reference:	14-09B-07		
NFCDD reference:	1221D901D0702C01006		
 	Asset Location:	Same as 14-09B-01	
	Asset Length:	Incl. in 14-09B-01	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Groynes derelict. Apron substantially exposed. Very poor with adjacent timber planks and stakes missing and rotten. Concrete-filled barrel toe structure exposed, with significant displacement of some elements Missing joint filler under capping beam. Some sections of missing sealant in most joints in wall, with minor abrasion around joints.		
	Recommendations		
	Re-seal joints where missing between poured sections of sea wall, and replace/encase apron. Whilst not yet 'urgent' the structure would benefit from works within a few years.		


SBC Reference:	15-09B-01		
NFCDD reference:	1221D901D0702C04		
 	Asset Location:	NZ86251264, NZ86241268. NE of East Row Bridge.	
	Asset Length:	42.1	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Steel toe piles exposed during the 2022 survey, as in 2016, with substantial voids under the toe apron. Buried/submerged by ponded water in 2018 and only one small section exposed in 2020. Groynes derelict. Vertical crack to masonry wall near pipe at centre of wall. Some mortar missing in some joints in masonry wall. Timber walkway in good condition.		
	Recommendations		
	Expose and repair voids under toe apron.		

SBC Reference:	15-09B-02		
NFCDD reference:	1221D901D0702C03		
	Asset Location:		
	Asset Length:	~10	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Slipway in good condition overall. One or two gaps in the blockwork wing wall recorded in 2018 have now been infilled.		
	Recommendations		
Continue to monitor.			


SBC Reference:	15-09B-03		
NFCDD reference:	1221D901D0702C03 001		
	Asset Location:	NZ86211252, NZ86251264. Wall extending from East Row Bridge	
	Asset Length:	232.4 total (15-09b-03 to 15-09b-05)	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Masonry blockwork wall to channel sides increasing in height at café. Overall in fair to good condition. Minor abrasion to a few blocks, missing mortar in occasional joints near cafe.		
	Recommendations		
Repoint wall on 'as needs' basis. Continue to monitor.			


SBC Reference:	15-09B-04		
NFCDD reference:	1221D901D0702C03 002		
	Asset Location:		
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Fair overall condition. Edge capping stone missing. Toe below beach level.		
	Recommendations		
Repair capping edge. Continue to monitor.			



SBC Reference:	15-09B-05		
NFCDD reference:	1221D901D0702C03 003		
	Asset Location:		
	Asset Length:	232.4 total (15-09b-03 to 15-09b-05)	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Masonry blockwork wall to channel sides in fair to good condition.		
	Recommendations		
Continue to monitor.			

SBC Reference:	15-09B-07		
NFCDD reference:	1221D901D0702C02 001		
	Asset Location:		
	Asset Length:	774.5 total (15-09b-06 to 17-10-02)	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Slipway in good condition with toe below beach level. Adjacent concrete tie-ins to either side of slipway in good condition.		
	Recommendations		
Continue to monitor			





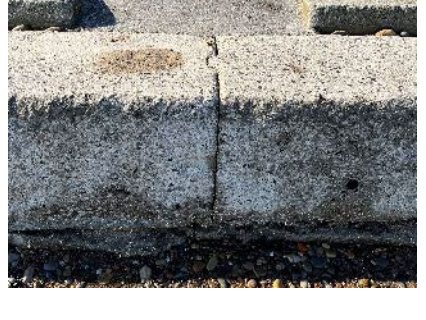
SBC Reference:	16-09C-01		
NFCDD reference:	1221D901D0702C02 002		
	Asset Location:		
	Asset Length:	774.5 total (15-09b-06 to 17-10-02)	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		

	Good overall condition. Sloping revetment with blockwork wall. Toe of wall below beach level but some open joints in exposed sections.	
	Recommendations	
	Repoint joints in blockwork wall below revetment.	

SBC Reference:	16-09C-02		
NFCDD reference:	1221D901D0702C02003		
	Asset Location:		
	Asset Length:	774.5 total (15-09b-06 to 17-10-02)	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Steps in fair overall condition. Concrete revetment on the landing is abraded in places.		
	Recommendations		
Continue to monitor.			

SBC Reference:	16-09C-04 to 17-10-02		
NFCDD reference:			
 	Asset Location:		
	Asset Length:		
	Condition Assessment		
	Condition	Priority	Risk
	B	2	
	Brief Description		
	The gabion baskets have not filled completely with visible sagging on the bottom row. The top row has remained vertical. No significant deterioration since 2020. Upper courses of stone blocks exposed, showing 1 block still missing and still plugged with a beach boulder and large cobbles as was the case during the 2016 survey when it was last exposed.		
	Recommendations		
Continue to monitor.			


SBC asset refs 15-09B-06 and 16-09C-04 to 17-10-02 (previously failing structures) replaced by one new asset along the entire length in 2016



SBC Reference:	15-09B-06 and 16-09C-04 to 17-10-02		
NFCDD reference:			
	Asset Location:		
	Asset Length:	774.5	
	Condition Assessment		
	Condition	Priority	Risk
	A	4	>5
Brief Description			
	<p>Coastal defences constructed between early 2015 and summer 2016. The new defences comprise a lower section with a stepped revetment built from pre-cast concrete units and a buried concrete toe beam that was cast in situ, with an upper section of interlocking pre-cast Dycel units.</p> <p>Natural coastal slope extends above the upper units to the plateau upon which the highway and footpaths sit, with re-graded and stabilised high coastal slopes to landward of the road.</p>		
	<p>Sloping concrete tie-in revetments exist at either end of the structure.</p> <ul style="list-style-type: none"> • Outfall drains are freely running • Vegetation is being established between the Dycel blocks • A significant length of the upper section of the toe beam, and all the lower steps are were exposed. The section of toe beam recently repaired following displacement was not however visible 		
	<ul style="list-style-type: none"> • Evidence of loss of foam strips used as packing between the structural elements was observed, though with not obvious impact upon structural integrity. • Abrasion of the in situ concrete toe beam has exposed some of the plastic fibre reinforcement • Some chipping damage has occurred to the edge of the steps (confined to lower steps at the western end but becoming more frequent and higher up the structure to its central and southern sections). 		
	<ul style="list-style-type: none"> • Outflanking at the eastern end is being adequately addressed by large beach boulders, more of which appear to have been placed since the previous inspection 		

	Recommendations
	Continue to monitor.

Whitby

Asset locations detailed on drawing 457730-04


SBC Reference:	18-11A-01		
NFCDD reference:	1221D901D0801C01 001		
	Asset Location:	NZ88161194, NZ88541185	
	Asset Length:	~10	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Concrete edge of slipway chipped at construction joint. Overall good condition. Toe below beach level. Rock armour both sides tightly packed.		
	Recommendations		
Continue to monitor.			


SBC Reference:	18-11A-02		
NFCDD reference:	1221D901D0801C01		
 	Asset Location:	NZ88161194, NZ88541185	
	Asset Length:	439.3	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Rock armour generally good, well packed but movement in several local areas. Some smaller armour loosely packed on crest.		
	Promenade has occasional minor open joints / cracks / missing sealant but nothing appears to have worsened since previous inspections.		
Localised damages to rear 'splash' wall observed.			





Recommendations


Continue to monitor surface cracking in promenade and reactive repairs on an 'as needs' basis.



SBC Reference:	18-11A-03		
NFCDD reference:	1221D901D0801C01002		
	Asset Location:		
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Steps with algae on lower courses. Heavy abrasion on generally exposed lower sections of steps, with less deterioration on the steps exposed by low 2022 beach levels.		
	Recommendations		
	Continue to monitor.		


SBC Reference:	18-11A-04		
NFCDD reference:	1221D901D0801C01003		
	Asset Location:	Part of 18-11A-02	
	Asset Length:		
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Rock revetment – remainder of 18-11A-02 - appears in generally good condition.		
	Recommendations		
	Continue to monitor.		


SBC Reference:	19-11A-01		
NFCDD reference:	1221D901D0802C01		
	Asset Location:	NZ88541185, NZ88671180	
	Asset Length:	136.6	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Concrete wall has extensive minor cracking. Heavy abrasion over whole lower part of wall. Toe is heavily abraded. Local damage to capping has been repaired in the past. Promenade has no major defects. Handrails have been replaced in relatively recent years.		
	Note – Cliffs behind this section in poor condition with past slippages evident.		
	Recommendations		
	Consider placing rock armourstone at toe of wall to create one continuous revetment, rather than leaving this small gap in front of the older section of the defence.		


SBC Reference:	70-11A-01		
NFCDD reference:	1221D901D0802C02		
	Asset Location:	NZ88671180, NZ88861170	
	Asset Length:	216.1 (inc 70-11a-01 to 70-11a-04)	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Rock armour in good condition, closely packed, and good coverage. Some smaller rocks on crest lost interlock. Promenade surface showing some signs of cracking and sealant loss between concrete sections.		
	Recommendations		
	Continue to monitor.		


SBC Reference:	70-11A-02		
NFCDD reference:	1221D901D0802C02001		
	Asset Location:	Western promenade, Whitby	
	Asset Length:	216.1 (inc 70-11a-01 to 70-11a-04)	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Steps with algae on lower courses. Heavy abrasion on lower sections of steps.		
	Recommendations		
Continue to monitor			


SBC Reference:	70-11A-03		
NFCDD reference:	1221D901D0802C02002		
 	Asset Location:	Western promenade, Whitby	
	Asset Length:	216.1 (inc 70-11a-01 to 70-11a-04)	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Rock armour in good condition, closely packed, and good coverage. Some smaller rocks on crest lost interlock. Promenade surface showing some signs of cracking and sealant loss between concrete sections.		
	Cliff behind the defences showing evidence of minor slumps and failure of local drainage assets.		
Recommendations			
Continue to monitor.			



SBC Reference:	70-11A-04		
NFCDD reference:	1221D901D0802C02003		
	Asset Location:	Western promenade, Whitby	
	Asset Length:	216.1 (inc 70-11a-01 to 70-11a-04)	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Tread of steps in fair condition. Side wall corner is heavily abraded. Handrail replaced since last inspection. Heavy abrasion on lower sections of steps.</p>		
	Recommendations		
Treat or replace handrails.			



SBC Reference:	71-11A-01		
NFCDD reference:	1221D901D0802C03		
	Asset Location:	NZ88861170, NZ89231154	
	Asset Length:	166.8	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	<p>Lower half of wall abraded/eroded. Toe apron exposed along whole length due to low sand level but heavily covered by seaweed. Previous records of apron missing locally and in poor condition. Promenade fair, signs of wave overtopping causing damage. Handrails anchor bolts corroding. The concrete toe has been repaired at the eastern end.</p>		
	Recommendations		
Consider extending rock armour along this section.			


SBC Reference:	71-11A-02		
NFCDD reference:	1221D901D0802C13 001		
	Asset Location:	Western promenade, Whitby	
	Asset Length:	~ 4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>The steel rise 'facing' on the bottom step was exposed in the previous inspections and had moved seaward and was coming away on 'corner' (but was covered by beach levels in 2022 inspections). Handrail in generally good condition. Heavy abrasion on lower sections of steps.</p>		
	Recommendations		
Continue to monitor			


SBC Reference:	71-11A-03		
NFCDD reference:	1221D901D0802C13		
	Asset Location:	NZ88861170, NZ89231154	
	Asset Length:	158.4	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	<p>Horizontal cracks to wall visible near slipway, east of Beach Management Centre and North Beach cafe. Beach level high and wall's toe not exposed. Handrail is relatively new. Some anchor bolts showing signs of corrosion. Concrete facing weathered/abraded.</p>		
	Recommendations		
Repair cracks (likely cold joints) to wall near slipway.			


SBC Reference:	71-11A-04		
NFCDD reference:	1221D901D0802C13002		
	Asset Location:	Western promenade, Whitby	
	Asset Length:	~12	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Lower section of slipway repairs in good order but wing wall abrasion still evident.		
	Recommendations		
Continue to monitor			


SBC Reference:	71-11A-05		
NFCDD reference:	1221D901D0802C14		
 <p>2018</p>  <p>2022</p>	Asset Location:	NZ88861170, NZ89231154	
	Asset Length:	86.2	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Erosion/abrasion to lower half of wall. Minor damage throughout. Apron buried (was partly exposed in 2018). Substantial renovation of the promenade carried out in 2022 to repair/replace panels. Areas of chipping/cracking along top edge remain. Handrails replaced following 2013 storm surge remain in good order relatively recently.		
	Recommendations		
Repair chipped areas approx. 0.5m from edge throughout.			

SBC Reference:	20-11A-01		
NFCDD reference:	1221D901D0802C04001		
 <p>2020</p>  <p>2022</p>	Asset Location:	Western promenade, Whitby	
	Asset Length:	~7	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Steps. Weathered concrete with exposed aggregates. Abraded side walls with large cracks. Handrail in fair condition. Heavy abrasion on lower sections of steps.</p> <p>Render on side wall has deteriorated significantly since the last inspection.</p>		
Recommendations			
<p>Replace render on side wall and repair cracks. Continue to monitor.</p>			

SBC Reference:	20-11A-02		
NFCDD reference:	1221D901D0802C04		
	Asset Location:	NZ89231154, NZ89291153	
	Asset Length:	65.4	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Some minor vertical cracking at a joint in eastern third of wall. Concrete coping replaced at western end.</p> <p>Erosion/abrasion to lower half of wall, including exposed sections of apron.</p> <p>Lower handrails replaced following the 2013 storm surge remain in good condition. Minor cracking to promenade.</p>		
	Recommendations		
Repair abraded front face. Infill crack.			

SBC Reference:	21-11A-01		
NFCDD reference:	1221D901D0802C07		
	Asset Location:	NZ89291153, NZ89361152	
	Asset Length:	71.9	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Blockwork wall - cracking/loss of mortar and abraded blocks in places. Joints missing locally. Generally stable although these points of weakness could cause failure. Higher concrete wall in a fair condition. Minor cracking in promenade. New coping replaced in 2014 remains in good condition.</p>		
	Recommendations		
Repair/replace damaged blocks and grout joints.			

SBC Reference:	21-11A-02		
NFCDD reference:	1221D901D0802C07001		
	Asset Location:		
	Asset Length:	~30	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Slipway. Concrete deck replaced on the top half of the structure - bottom half abraded.		
	Recommendations		
Continue to monitor.			

SBC Reference:	22-11A-01		
NFCDD reference:	1221D901D0802C06		
	Asset Location:	NZ89361152, NZ89401152	
	Asset Length:	37.5	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Blockwork wall with many previously open joints now repointed. High beach levels covered previously reported abrasion and loss of blocks and mortar in lower section and under ramp. No water seen seeping through wall as observed in 2012 and 2016. Cracks in coping of upper wall behind sea wall.		
	Recommendations		
Repair or encase toe. Repair cracking in masonry wall.			


SBC Reference:	22-11A-02		
NFCDD reference:	1221D901D0802C06001		
	Asset Location:		
	Asset Length:	30	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		





Slipway. Mixed construction. Settlement of toe remediated with concrete transition slope. Open joints between blocks revetment and occasional cracks and voids. Toe previously reported as being heavily abraded has been repaired since last observed. Wing walls in fair condition.


Recommendations


Repair joints, cracks and voids. Continue to monitor.


SBC Reference:	22-11A-03		
NFCDD reference:	1221D901D0802C15		
	Asset Location:	Beneath red brick building (Whitby Pavilion).	
	Asset Length:	71.8	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Concrete toe showing signs of cracking, abrasion and loss of concrete and undercutting. Evidence of previous repairs. Blockwork walls below Pavilion appear sound but some loss of mortar. Minor slips in cliff between upper wall and toe structure.		
	Recommendations		
	Stabilise and repair cliff. Repair toe.		



SBC Reference:	N/A		
NFCDD reference:	1221D901D0802C05		
	Asset Location:	NZ89401152, NZ89511152	
	Asset Length:	43.1	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Concrete apron seaward of timber breastwork exposed by low beach levels when the 2022 inspection was carried out, highlighting significant undercutting with large voids beneath and part of the lower section of apron breaking up. Blockwork walls below Pavilion and its access road appear sound but slips / falls in cliff below and some loss of mortar.		
	Recommendations		
	Repairs to toe.		



SBC Reference:	24-11B-01		
NFCDD reference:	1221D901D0802C09		
	Asset Location:	NZ89541152, NZ89651151	
	Asset Length:	115.8	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	High sections of blockwork sea wall facing in between in-situ rock outcrops. Sections of masonry appear sound condition, some mortar loss, but not worse than noted previously. In several locations tie-in of edges into cliff is getting outflanked / abraded. Low beach levels exposing the rock at the toe of the cliff, with evidence of relatively recent rockfalls		
	Recommendations		
	Repair edges of panels where tie- in to cliff		

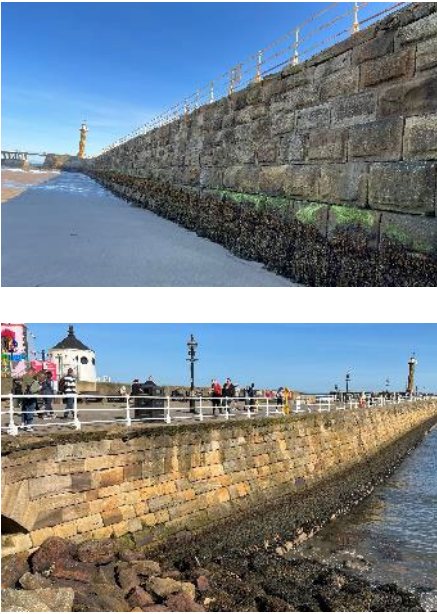
SBC Reference:	25-11B-01		
NFCDD reference:	1221D901D0802C10		
	Asset Location:	NZ89771147, NZ89781150. West side of West Pier.	
	Asset Length:	26.8	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	In situ concrete retaining wall. Abrasion has led to areas of exposed aggregates. Lower beach levels in 2022 exposing toe revealing similarly abraded concrete with exposed aggregates. Fair condition overall despite abraded face. Minor slip in cliff above wall has not worsened since previous inspections.		
	Recommendations		
	Continue to monitor.		


SBC Reference:	25-11B-02		
NFCDD reference:	1221D901D0802C12002		
	Asset Location:	NZ89781150, NZ89861150	
	Asset Length:	~7	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Sloped stonework area has evidence of repairs and repointing to upper blocks. Open gaps between blocks on wing wall (north and west faces).		
	Recommendations		
	Continue to monitor.		


SBC Reference:	25-11B-03		
NFCDD reference:	1221D901D0802C12 003		
	Asset Location:	NZ89781150, NZ89861150	
	Asset Length:	~7	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Toe and lower steps exposed, revealing wooden toe in reasonable condition. Steps in fair condition, with abrasion on lower courses.		
	Recommendations		
Continue to monitor.			


SBC Reference:	26-11B-01		
NFCDD reference:	1221D901D0802C12		
 	Asset Location:	NZ89781150, NZ89861150 Start of west pier at slipway.	
	Asset Length:	87.7	
	Condition Assessment		
	Condition	Priority	Risk
	B	2	
	Brief Description		
	Battery wall. Deep voids between blockwork, with a few blocks vertically cracked. Voids between corners of blocks. Slipway wall capping beam and wall to west is abraded, with a displaced block. Damaged apron. Promenade in fair condition.		
	Recommendations		
Continue to monitor and repair deep voids and cracks.			


SBC Reference:	26-11B-02	
NFCDD reference:	1221D901D0802C12001	
	Asset Location:	NZ89781150, NZ89861150
	Asset Length:	~12
Condition Assessment		
Condition	Priority	Risk
B	3	
Brief Description		
<p>Slipway in fair condition. Toe exposed during 2022 survey, revealing the junction with the bedrock and earlier cobbled sections. Uneven, but in overall fair condition.</p>		
	<p>Wall built at top of slipway as part of capital scheme in 2019 to deflect wave run-up back into the harbour. Some sand accumulating on seaward side of wall should be periodically cleared.</p>	
	Recommendations	
<p>Continue to monitor condition of slipway and start to record the performance of the wave deflector wall during surge and storm events.</p>		




SBC Reference:	27-11B-01		
NFCDD reference:	1221D901D0803C02		
	Asset Location:	NZ89861145, NZ89931173 West pier.	
	Asset Length:	639.7	
	Condition Assessment		
	Condition	Priority	Risk
	A	4	
	Brief Description		
	No visible defects following capital works.		
Recommendations			
Major refurbishment undertaken in 2018/19.			

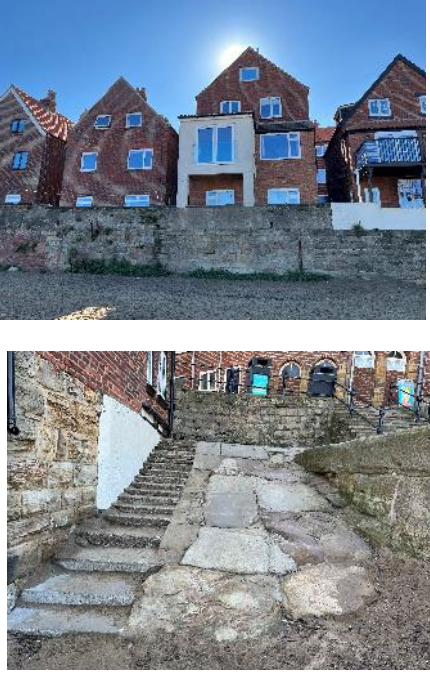
SBC Reference:	N/A		
NFCDD reference:	1221D901D0803C01		
	Asset Location:	NZ89921172, NZ89921187 West breakwater arm.	
	Asset Length:	315.5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	2022 Survey from boat (inner side only) showed overall fair condition but limited inspection as toe is covered in water even at low tide. Abrasion to edges of concrete structure and exposure of aggregate. Timber supporting structure weathered. Some planks on the timber deck replaced since previous inspection.		
Recommendations			
Continue to monitor and replace planks in promenade deck as necessary. Detailed low water inspection from vessel recommended every 10 years.			


SBC Reference:	N/A		
NFCDD reference:	1221D901D0803C06		
	Asset Location:	West bank, Whitby Harbour	
	Asset Length:	215.4	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Timber edge beam and fenders remain in good condition following recent replacement/refurbishment. Metal deck support piles to suspended quay deck are corroding. Original sandstone blockwork wall viewed from ends only, but looks fair. Some voids to blockwork.		
	Recommendations		
	Detailed inspection of supporting piles to deck required		

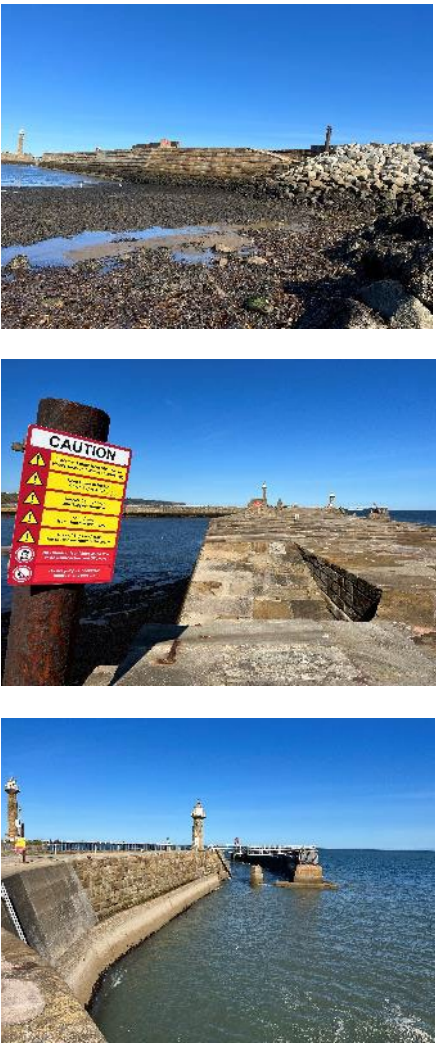
SBC Reference:	N/A		
NFCDD reference:	1221D901D0803C07		
	Asset Location:	West bank, Whitby Harbour	
	Asset Length:	157.4	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Timber fenders along length, vegetation to upper part of wall. Promenade in good condition. Lower wall obscured by seaweed. Steps cracked and open joints at mid-length. Concrete steps repaired but cracking and abrasion still evident. No handrail.		
	Recommendations		
	Repair and repoint joints at steps.		



SBC Reference:	N/A		
NFCDD reference:	1221D901D0803C10		
	Asset Location:	East bank, D/S of Whitby Bridge	
	Asset Length:	135.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	No direct access but appears in fair condition when viewed from distance (limited access, visual inspection from RNLI, bridge and boat survey). Some joint washout to riparian walls. Area of damage to blocks 20m downstream of bridge. Concrete apron near to the bridge appears in fair condition including the sheet pile toe.		
	Recommendations		
Continue to monitor – repair washed out joints to wall			

SBC Reference:	N/A		
NFCDD reference:	1221D901D0803C08		
  	Asset Location:	West bank, Whitby Harbour RNLI Station and Pier.	
	Asset Length:	391.3	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Very weathered blocks with gaps on east side of old RNLI pier but overall fair. High levels of abrasion, marine growth and steel sheet pile corrosion to old Boathouse 'block'.		
	Coping damage on the slipway but fair overall condition. Walls between piers of mixed construction, fair to poor condition.		
	Beach levels at the toe of the riparian foundation walls very low. Missing mortar between blocks and cracked blocks.		
	Tate Hill Pier has deep joints and block eroding. Steps weathered with corroding handrail at bottom section.		
Top revetment in fair condition. Healthy beach sand on north side of pier, but very low on south side.			
Recommendations			
Fill voids, cracks and open joints.			

SBC Reference:	N/A		
NFCDD reference:	1221D901D0803C09		
	Asset Location:	South of Collier Hope and Mussel Beds	
	Asset Length:	154.9	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Riparian walls of (variably) brickwork, sandstone, and boulder construction in various conditions, some quite poor. Protected by sand and cobble beach. Spalling to the render and exposure of the aggregate. Slipway and steps weathered with missing joints.		
	Recommendations		
	Continue to monitor, repoint where needed. Replace missing blocks.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D0803C05		
	Asset Location:	NZ90171146, NZ90421143. East side of pier.	
	Asset Length:	420.7	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	A relatively low bank of Rock armour is generally in fair condition. There is some exposed erosion-control matting on the cliff above.		
	Recommendations		
	Continue to monitor.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D0803C03		
	Asset Location:	NZ90161146, NZ90001174. East Pier.	
	Asset Length:	637	
	Condition Assessment		
	Condition	Priority	Risk
	A	4	
	Brief Description		
	No visible defects following capital works to walls, toe, deck. Signs erected warning users of winds, wave overtopping, trips, edges.		
Recommendations			
Major refurbishment undertaken in 2018/19.			



SBC Reference:	N/A		
NFCDD reference:	1221D901D0803C04		
 	Asset Location:	NZ90041172, NZ89971186. East breakwater.	
	Asset Length:	330.9	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Access now possible due to replacement bridge erected in 2019. Survey from boat (inner side only) indicates generally fair condition but limited inspection as toe is covered in water even at low tide.		
	Recommendations		
	Continue to monitor and replace planks in promenade deck as necessary. Detailed low water inspection from vessel recommended every 10 years.		

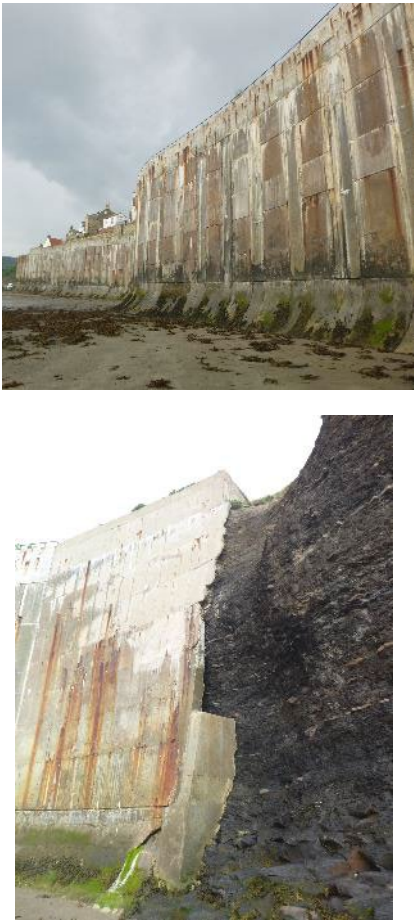
Robin Hood's Bay


Asset locations detailed on drawing 457730-05

SBC Reference:	32-16A-01		
NFCDD reference:	1221D901D1002C02		
	Asset Location:	Robin Hood's Bay.	
	Asset Length:	59.4	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Rock armour remains tightly packed and in good condition. Installed in 2001.		
	Recommendations		
Continue to monitor.			


SBC Reference:	32-16A-02		
NFCDD reference:	1221D901D1003C01001		
	Asset Location:	Robin Hood's Bay.	
	Asset Length:	~70	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Slipway. Mixed construction in fair condition. Landslip on slope above slipway.		
	Recommendations		
Consider extending rock netting on slope above slipway. Continue to monitor.			


SBC Reference:	33-16A-01		
NFCDD reference:	1221D901D1003C01		
 	Asset Location:	NZ95340504, NZ95270520	
	Asset Length:	183.4	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	<p>Wall was built in 2001. Rock armour in good condition with good coverage, profile and interlock. Slipway ramp in good condition, some abrasion to slab and joints near toe. Loss of fence / edge protection as indicated above.</p> <p>Precast concrete sea wall in good condition. Short section of blocks missing from along the crest of the wall. This is assumed to be a historic defect. There has been a small amount of material overtop the wall and collect on the crest of the revetment.</p>		
	Recommendations		
Continue to monitor.			


SBC Reference:	33-16A-02		
NFCDD reference:	1221D901D1003C02		
	Asset Location:	NZ95330488, NZ95310502	
	Asset Length:	150.5	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Toe not visible high beach levels. Concrete wall poor - displaying surface cracking, loss of surface, rust staining and mineral encrustation. Defects appear significantly worse at northern transition. Wall crest showing more cracking and repair work. Recent concrete spalling evident. Signs of recent repairs and repainting on crest wall. Prom fair.		
	Recommendations		
	Continue to monitor. Undertake capital repairs.		


SBC Reference:	34-16A-01		
NFCDD reference:	1221D901D1003C04		
	Asset Location:	NZ95320486, NZ95330488	
	Asset Length:	29.3	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Repairs to open joints and voids noted and appear to be working effectively. Some areas of surface erosion and joint washout still exist. Voids and open joints in masonry near tie in to concrete wall have been grouted. Toe visible due to low beach levels - appears in poor condition, with some cracking and a potential void forming at its base.		
	Recommendations		
	Continue to monitor remaining voids and joints. Monitor repairs. Perform detailed inspection of wall toe.		

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SBC Reference:	35-16B-01		
NFCDD reference:	1221D901D1003C05		
	Asset Location:	NZ95310485, NZ95320486	
	Asset Length:	15.6	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Slipway generally in fair condition. Some cracking but appears stable at present. Washout at toe.		
	Recommendations		
Continue to monitor, investigate and fill voids, repoint as necessary.			


SBC Reference:	36-16B-01		
NFCDD reference:	1221D901D1003C06		
	Asset Location:	NZ95310481, NZ95310485	
	Asset Length:	51.9	
	Condition Assessment		
	Condition	Priority	Risk
	B	2	
	Brief Description		
	Patchwork of repairs/repointing throughout. Void / undercutting to south end of concrete toe. Large crack through concrete toe and blinding layer at dogleg – not worse than previous inspection.		
	Recommendations		
Continue to monitor and repoint/repair. Repair crack at dogleg to prevent further damage to structure.			


SBC Reference:	36-16B-02		
NFCDD reference:	1221D901D1003C10		
	Asset Location:	NZ95320468, NZ95310481	
	Asset Length:	29.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Cracks and spalling to capping beam. Damage to previous repairs to South end of wall. Rock armour at toe in good condition, good interlock and profile.		
	Recommendations		
Continue to monitor. Repair spalling and joints where necessary.			

SBC Reference:	36-16B-03		
NFCDD reference:	1221D901D1003C09001		
	Asset Location:	NZ95320468, NZ95310481	
	Asset Length:	~10	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Steps in good overall condition. No handrail.		
	Recommendations		
Continue to monitor			

SBC Reference:	37-16C-01		
NFCDD reference:	1221D901D1003C09		
	Asset Location:	NZ95320468, NZ95310481	
	Asset Length:	62	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		


	<p>Rock armour is generally tightly packed and good cover. Some smaller rocks show signs of movement. Promenade in good condition. Overall good.</p>
	<p>Recommendations</p>
	<p>Monitor armour for need to re-profile in future.</p>


SBC Reference:	37-16C-02		
NFCDD reference:	1221D901D1003C07 001		
	Asset Location:	NZ95320468, NZ95310481	
	Asset Length:	~20	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Slipway in good condition.		
Recommendations			
Continue to monitor			


SBC Reference:	37-16C-03		
NFCDD reference:	1221D901D1003C07		
	Asset Location:	NZ95320468, NZ95310481	
	Asset Length:	54.3	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Rock armour mostly well packed, but cliffs slumping from rear over top of revetment has damaged and displaced rock, particular just South of slipway / ramp and at the southern end of revetment (see photo).		
Recommendations			
Continue to monitor rock armour and cliff. Considerations should be made for the revetment to be realigned when the cliff has retreated sufficiently.			


Scarborough North Bay & Holms and Castle Headland


Asset locations detailed on drawing 457730-06


SBC Reference:	39-20A-01		
NFCDD reference:	1221D901D1201C01		
	Asset Location:	TA03569082, TA03569085 North of the Sea Life Centre.	
	Asset Length:	37.4	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Promenade in good condition. Wall in fair condition. No change identified in 2022.		
	Recommendations		
Continue to monitor			


SBC Reference:	39-20A-01		
NFCDD reference:	1221D901D1201C02001		
	Asset Location:	TA03549057, TA03569082 next to Sea Life Centre.	
	Asset Length:	~10	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Steps. Localised concrete abrasion with chipped tread but overall remains in fair condition in 2022.		
	Recommendations		
Continue to monitor.			


SBC Reference:	39-20A-02		
NFCDD reference:	1221D901D1201C02		
	Asset Location:	TA03549057, TA03569082. Wall and promenade next to Sea Life Centre. Extends to Southern steps (40-20a-01)	
	Asset Length:	327.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Cracks to splash wall but looks sound. Prom good condition. Wall in fair condition. Stepped toe showing signs of abrasion. 1No. outlet failed but performance not affected. Crest wall cracked in several locations.		
	Recommendations		
Continue to monitor, refill joints and repair cracks.			


SBC Reference:	39-20A-03		
NFCDD reference:	1221D901D1201C02002		
	Asset Location:	TA03549057, TA03569082. Wall and promenade next to Sea Life Centre.	
	Asset Length:	~15	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Slipway not usable due to toe erosion. Deck slabs are in poor condition with joints heavy abraded. Repaired deck slab section shows further signs of deterioration.		
	Recommendations		
Repair deck slab			


SBC Reference:	39-20A-04		
NFCDD reference:	1221D901D1201C02003		
	Asset Location:	Between slipway and steps	
	Asset Length:	Part of overall wall length (327.2)	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Blockwork in fair condition. Surface corrosion on sheet piles, with concrete toe beam heavily abraded in places. Prom good condition.		
	Recommendations		
Continue to monitor			


SBC Reference:	40-20A-01		
NFCDD reference:	1221D901D1201C02004		
	Asset Location:		
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Repairs undertaken in 2016. Steps themselves are in poor condition cracks remain through older steps. Abrasion to capping and side walls with cracks through side walls between various repairs. Piles at toe of side walls severely corroded with water seeping out at low tide.		
	Recommendations		
Continue to monitor. Repair cracks and pile toes.			


SBC Reference:	40-20A-02		
NFCDD reference:	1221D901D1201C03		
	Asset Location:	TA03589031, South of Sea Life Centre.	
	Asset Length:	120.6	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Abrasion of external blockwork throughout sea wall, particularly to the north of the asset where reinforcement is exposed. .Stepped concrete toe is heavily abraded. Corroded handrails. As reported in 2018 and 2020, there is frequent cracking and spalling to prom slabs and some missing sealant between slabs. The rear splash wall and revetment is in poor condition. Historic repairs are now failing and there are frequent missing stones in the revetment.		
	Recommendations		
	Undertake repairs to northern extents of seawall face where reinforcement is exposed. Repair stone revetment and splash wall.		


SBC Reference:	40-20A-03		
NFCDD reference:	1221D901D1201C03 001		
	Asset Location:	TA03589031, South of Sea Life Centre.	
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	
	Brief Description		
	As reported in 2020, the capping to north and south abutment walls have both been repaired. The capping to the lower half (that was not repaired) is showing signs of abrasion. Treads in fair condition although some rounding has occurred. Beach levels lower in 2022 were high meaning the final tread of steps was covered.		
	Recommendations		
	Continue to monitor		


SBC Reference:	40-20A-04		
NFCDD reference:	1221D901D1201C24		
	Asset Location:	TA03589031, TA03549057	
	Asset Length:	65	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Exposed aggregate and abrasion / spalling to capping beam and facing blockwork. Cracks throughout promenade. Two sections of the grouted revetment have been replaced with a concrete block effect revetment; these are in good condition. Elsewhere, the grouted revetment is in poor condition and historic repairs are now failing. Recent repairs to toe beam to the south remain in good condition.		
	Recommendations		
	Continue to monitor. Repair damaged capping beam and cracks in promenade.		


SBC Reference:	40-20A-05		
NFCDD reference:	1221D901D1201C24001		
	Asset Location:		
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Beach levels locally approx. 500mm higher than the 2020 inspection, meaning the sheet piles were no longer exposed. The 2020 report noted that the side sheet piles appeared to be leaning seaward suggesting possible lateral movement. As previously reported the step abutments are heavily abraded.		
	Recommendations		
	Continue to monitor		

SBC Reference:	40-20A-06		
NFCDD reference:	1221D901D1201C25		
	Asset Location:	TA0357690349 North of slipway and beach huts.	
	Asset Length:	73.8	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Face loss with exposed aggregates – Repairs to section of blockwork in centre remains in good condition. Cracking to deck slab on promenade, some historic repairs in poor condition. Revetment to rear of prom generally appears in fair condition, with recently repaired sections in good condition.		
	Recommendations		
Continue to monitor and repair cracks.			


SBC Reference:	41-20A-01		
NFCDD reference:	1221D901D1201C04001		
	Asset Location:		
	Asset Length:	~6	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	S–There is spalling and cracking of the coping stones and facing blockwork on the back wall of the slipway ramp. The slipway surface is generally fair however there is evidence of mortar washout from around the blocks. Beach sediment concealed the toe of the slipway.		
	Recommendations		
Replace mortar in joints on slipway ramp. Repair cracking and spalling to the slipway backwall and coping.			


SBC Reference:	41-20A-02		
NFCDD reference:	1221D901D1201C04		
	Asset Location:	TA03599020, TA03589031 At North end of beach huts.	
	Asset Length:	99.1	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>No significant change observed in 2022. As previously reported the repairs to the wall face appear to be holding. There is isolated spalling to the coping stone adjacent to the southern slipway. Promenade in good condition. Heavily abrasion to unrepaired lower sections. The low splash wall to the rear of the promenade is in poor condition with several areas of missing block and cracking throughout the coping stone. Outlet in good condition.</p>		
	Recommendations		
	Continue to monitor repair cracks and coping. Repair wall at back of promenade.		

SBC Reference:	41-20A-03		
NFCDD reference:	1221D901D1201C10001		
	Asset Location:	TA03599020, TA03589031	
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Slipway - No significant change observed in 2022. As reported previously joints to block paving missing. The coping stone to the backwall and coping stone to the seaward edge of the ramp show signs of cracking and spalling.</p>		
	Recommendations		
	Replace joints. Continue to monitor.		



SBC Reference:	41-20A-04		
NFCDD reference:	1221D901D1201C10		
	Asset Location:	TA03599020, TA03589031	
	Asset Length:	13	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	No significant change observed in 2022. As reported previously there are cracks in the capping beam, adjacent to slipway at north end of the asset. Some mortar has been lost from between blocks.. Cracking and spalling to bullnose / recurve.. Promenade in good condition.		
	Recommendations		
Repoint missing mortar to sea wall.			


SBC Reference:	42-20A-02		
NFCDD reference:	1221D901D1201C26		
	Asset Location:	TA03758981, TA03599020	
	Asset Length:	13.7	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Unchanged. Spalling of concrete coping stone.. Toe of wall not visible due to beach levels. Promenade in fair condition with some cracking and chipping evident. No significant change since 2020.		
	Recommendations		
Continue to monitor and maintain.			


SBC Reference:	42-20A-03		
NFCDD reference:	1221D901D1201C26001		
	Asset Location:		
	Asset Length:		
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Beach levels similar to 2020 with lower steps concealed. Step abutments remain heavily abraded and cracked. Steps chipped and rounded but fair condition overall.		
	Recommendations		
Repair step abutments. Continue to monitor			

SBC Reference:	42-20A-04		
NFCDD reference:	1221D901D1201C11		
	Asset Location:		TA03758981, TA03599020
	Asset Length:		58.7
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Unchanged. Beach levels conceal much of the wall face and toe. Repairs to the coping remain in good condition, elsewhere the coping is in fair condition. As previously reported there is abrasion of the blocks in the wall face. Promenade remains in good condition. Rear revetment in fair condition with some signs of deterioration of the grout.		
	Recommendations		
Continue to monitor.			


SBC Reference:	42-20A-05		
NFCDD reference:	1221D901D1201C11001		
	Asset Location:	TA03758981, TA03599020	
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	New abutments constructed in 2015 remain in good condition. Continuing degradation of steps, including rounding and chipping of treads and abrasion to of risers. Beach levels remain high concealing lower steps.		
	Recommendations		
Repair step tread. Continue to monitor.			


SBC Reference:	42-20A-06		
NFCDD reference:	1221D901D1201C12		
 	Asset Location:	TA03758981, TA03599020	
	Asset Length:	58.4	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Beach levels slightly lower than in 2020, exposing first course of block wall. Blocks are abraded and with some open joints. The repaired sections of coping are in good condition, elsewhere the coping is in fair condition. Promenade in good condition with some localised spalling adjacent to coping. Rear revetment in fair condition, although mature vegetation growth was noted, some spalling to splash wall beneath revetment.		
	Recommendations		
Continue to monitor. Remove mature vegetation.			


SBC Reference:	42-20A-07		
NFCDD reference:	1221D901D1201C12001		
	Asset Location:	TA03758981,TA03599020	
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Beach levels remained high during the 2022 inspection. The step abutments (rebuilt in 2015) remain in good condition. Steps show minor signs of abrasion which is causing rounding of the treads.		
	Recommendations		
	Continue to monitor.		


SBC Reference:	42-20A-08		
NFCDD reference:	1221D901D1201C13		
	Asset Location:	TA03758981,TA03599020	
	Asset Length:	58.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Beach levels remained high during the 2022 inspection. However, unlike in 2020 the first course and part of the second course of blockwork was visible. The facing block work shows signs of abrasion with significant rounding of the block edges. There is further abrasion to the coping and several of the joints are open. Vegetation growth in grouted stone revetment.		
	Recommendations		
	Repair cracks to coping and replace mortar in joints of facing blockwork. Inspect toe when beach levels allow. Remove mature vegetation from revetment.		


SBC Reference:	42-20A-09		
NFCDD reference:	1221D901D1201C13001		
	Asset Location:	TA03758981, TA03599020	
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Beach levels high during the inspection obscuring the lower portion of steps. Visible portion of steps in fair condition., Abrasion visible to step abutments but condition remains generally fair.		
	Recommendations		
	Continue to monitor		


SBC Reference:	42-20A-10		
NFCDD reference:	1221D901D1201C14		
	Asset Location:	TA03758981, TA03599020	
	Asset Length:	58.4	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Beach levels remained high during the 2022 inspection, however they were lower than in 2020 resulting in the upper course of blockwork being visible. Generally the coping is in fair condition with some localised abrasion. Rear revetment fair condition with recent repairs – although mature vegetation growth noted in crest.		
	Recommendations		
	Monitor and repair spalling to wall capping.		


SBC Reference:	42-20A-11		
NFCDD reference:	1221D901D1201C14001		
	Asset Location:	TA03758981, TA03599020	
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Steps generally in fair condition, some abrasion and chipping to step treads. Abutment walls in good condition		
Recommendations			
Continue to monitor.			


SBC Reference:	42-20A-12		
NFCDD reference:	1221D901D1201C15		
	Asset Location:	TA03758981, TA03599020	
	Asset Length:	31.9	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Beach levels are lower in 2022 than in 2020 however much of the wall remained covered with beach material. The wall coping and promenade remain in fair condition. There are some open joints between coping and the promenade slab. Some signs of abrasion to blockwork wall face.		
Recommendations			
Continue to monitor.			


SBC Reference:	42-20A-13		
NFCDD reference:	1221D901D1201C15001		
	Asset Location:	TA03758981, TA03599020	
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Beach levels high during the. Steps generally in fair condition, with some abrasion causing rounding of steps. Abutment walls replaced in 2015. Signs of spalling on southern abutment wall at joint with capping noted in 2022.		
	Recommendations		
Repair southern abutment wall. Continue to monitor			


SBC Reference:	42-20A-14		
NFCDD reference:	1221D901D1201C16		
	Asset Location:	TA03758981, TA03599020. In front of Beach Management Centre.	
	Asset Length:	32	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Beach levels high during the 2022 inspection. Promenade in good condition, although it is clear that sand from the beach is washed onto the promenade frequently, this appears to locally increase abrasion of the deckslab. The coping is in fair condition although some cracking and open joints were observed. Only the upper course of the blockwork facing on the seawall was visible, it has been previously reported that there is missing mortar to blockwork.		
	Recommendations		
Repair cracks to capping and repoint blockwork. Inspect when toe of wall visible.			


SBC Reference:	42-20A-15		
NFCDD reference:	1221D901D1201C16001		
	Asset Location:	TA03758981, TA03599020.	
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Beach levels high during the inspection. Steps generally in fair condition with some rounding of the step tread observed. Southern abutment spalling at joint with promenade, again noted in 2022.		
	Recommendations		
Repair southern abutment. Continue to monitor.			


SBC Reference:	42-20A-16		
NFCDD reference:	1221D901D1201C05		
	Asset Location:	TA03758981, TA03599020	
	Asset Length:	55.6	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Beach levels high during the inspections, coming to near the crest level of the wall. Recently replaced sections of coping stone are in good condition, elsewhere the coping is in fair condition. The promenade remains in good condition. Beach material is frequently washed onto the promenade, locally this increases abrasion of the deck surface.		
	Recommendations		
Monitor and repair coping.			


SBC Reference:	42-20A-17		
NFCDD reference:	1221D901D1201C05001		
	Asset Location:	TA03758981, TA03599020	
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	A	4	5
	Brief Description		
	<p>High beach levels covered most of the steps. Steps remain in fair condition overall. Some spalling on lower section of northern abutment and some damage at the joint with the adjacent wall coping stone.. Steps show signs of abrasion, and the visible treads were becoming rounded. Damaged abutment at joint on northern side.</p>		
	Recommendations		
Repair northern abutment. Continue to monitor			


SBC Reference:	42-20A-18		
NFCDD reference:	1221D901D1201C17		
	Asset Location:	In front on new apartments.	
	Asset Length:	22.8	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	<p>High beach levels mean that only the wall coping stone was visible. Condition remains unchanged in 2022. There is some minor evidence of abrasion and cracks on the coping stone and across the promenade deckslab. Generally however, the condition remains in good condition.</p>		
	Recommendations		
Repair defects to coping/prom edge and rear revetment.			


SBC Reference:	42-20A-19		
NFCDD reference:	1221D901D1201C17001		
	Asset Location:		
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	<p>Unchanged since 2020. The steps are in fair overall condition. Penultimate step replaced in 2015 in good condition. The upper section of step abutments has historic repairs in fair condition. Evidence of abrasion throughout the steps and abutments. Unable to inspect lower steps or lower section of abutments due to beach levels.</p>		
	Recommendations		
	Continue to monitor.		



SBC Reference:	42-20A-20		
NFCDD reference:	1221D901D1201C18		
	Asset Location:	In front of new apartments.	
	Asset Length:	43	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	<p>Condition remains unchanged from 2020. High beach levels covered the wall face. The coping stone and promenade deck remain in fair condition with some signs of abrasion and cracking. During the inspection beach material was being removed from the promenade and deposited in piles on the upper beach. Splash wall to the rear of the promenade is in fair condition.</p>		
	Recommendations		
	Continue to repair damaged coping beams.		

SBC Reference:	42-20A-21		
NFCDD reference:	1221D901D1201C18001		
	Asset Location:		
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Beach levels are locally very high adjacent the steps. Only a small portion of the northern abutment was visible, this appeared in fair condition. Previous inspections have reported that the overall condition of the steps is fair.		
	Recommendations		
	Continue to monitor.		



SBC Reference:	43-20B-01		
NFCDD reference:	1221D901D1201C06		
	Asset Location:	TA03818971, TA03758981	
	Asset Length:	34.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Wall has been repaired since 2012 and is in fair condition. The southern section has been more recently encased and this is generally in good condition. There is one full height crack evident in the middle section, although this does not appear to have worsened since 2018.</p>		
Recommendations			
Monitor and repair cracks.			


SBC Reference:	43-20B-02		
NFCDD reference:	1221D901D1201C06 001		
	Asset Location:		
	Asset Length:		
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Slipway in good condition. It was reported in 2018 that the slipway was fenced off to prevent access – This had been removed in 2020. Cracking and abrasion to seaward abutment.</p>		
Recommendations			
Repair seaward abutment. Monitor			


SBC Reference:	43-20B-03		
NFCDD reference:	1221D901D1201C19		
	Asset Location:	TA03818971, TA03758981. In front of new development.	
	Asset Length:	93.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Unchanged since 2020. High beach levels concealed the toe of the wall. The upper section of wall has been rebuilt at North end. Some missing joints and chipping of capping beam and splash beam.		
	Recommendations		
Repair missing joints and chipped parts of capping and splash beams.			


SBC Reference:	43-20B-04		
NFCDD reference:	1221D901D1201C20001		
<div style="border: 1px solid black; padding: 2px; display: inline-block; margin-bottom: 5px;">2022</div>  	Asset Location:	TA03818971, TA03758981. In front of new development.	
	Asset Length:	~10	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Beach levels approx. 1.5m higher than 2018 concealing toe and outlets. Previously reported that missing mortar between blockwork at toe Broken edge to construction joints. Missing sealant. Overall Fair condition. Cracks in upper wall.		
	Recommendations		
Replace sealant in joints and mortar between blockwork. Repair cracks in upper wall. Continue to monitor.			



SBC Reference:	44-20B-01		
NFCDD reference:	1221D901D1201C20		
	Asset Location:	South of new development.	
	Asset Length:	40.8	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Slipway. Deck slab remains in fair condition. Blockwork wall to rear of slipway in poor condition with damage on seaward and landward faces. Numerous historic repairs to wall in fair condition. Extensive evidence of reinforcement staining.		
	Recommendations		
Seal joints and repair cracks in coping and slabs. Continue to monitor.			


SBC Reference:	44-20B-02		
NFCDD reference:	1221D901D1201C07		
 	Asset Location:	TA03818971, TA04078946 east of Alexandra Gardens.	
	Asset Length:	158.9	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Overall, the wall appears in fair condition. However, the lower course of blockwork is abraded. As are sections of cope stone. Handrails heavily corroded. As reported since 2018, leaking evident through previous crack repairs with oily residue, likely from road runoff. Prom re-laid in concrete in 2012 generally in good condition although there is now evidence of localised abrasion on the deck slab. Two blocks missing in seawall adjacent to southern access steps exposing reinforcement.		
	Recommendations		
Cracks need repointing throughout sea wall. Repair damage to coping and toe. Repair missing blocks.			

SBC Reference:	44-20B-03		
NFCDD reference:	1221D901D1201C07001		
	Asset Location:		
	Asset Length:	~7	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Lower steps in fair condition with some rounding. Toe visible and now showing some signs of undercutting. Large full height crack from middle platform to prom level. Upper steps (north) in fair condition. Repairs carried out to step treads and abutments. The handrail is corroded and in poor condition. Evidence of abrasion to the blockwork on the backwall of the steps.</p>		
	Recommendations		
<p>Treat corroded handrail. Continue to monitor cracking and undercutting.</p>			

SBC Reference:	44-20B-04		
NFCDD reference:	1221D901D1201C07002		
	Asset Location:		
	Asset Length:	~7	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Overall the upper steps (south) remain in fair condition with no significant change since 2020. The handrail throughout the asset is corroded. Evidence of abrasion to the blockwork on the backwall of the steps</p>		
	Recommendations		
<p>Treat corroded handrail. Continue to monitor</p>			


SBC Reference:	44-20B-05		
NFCDD reference:	1221D901D1201C21		
	Asset Location:	TA03818971, TA04078946 East of Alexandra Gardens.	
	Asset Length:	211.1	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>No significant change since 2020. Prom surface replaced in 2012 at North and South ends. Repaired sections in fair condition, elsewhere the prom is in poor condition with various patch repairs, some of which present a trip hazard. . The coping stone shows extensive signs of abrasion and has been locally repaired with tarmac and in-situ concrete.</p>		
	Recommendations		
	Repair promenade deck and continue to monitor wall and coping.		


SBC Reference:	45-20B-01		
NFCDD reference:	1221D901D1201C08001		
 	Asset Location:	Part of 45-20B-02	
	Asset Length:	25	
	Condition Assessment		
	Condition	Priority	Risk
	D	1	
	Brief Description		
	<p>The slipway has been fenced off and closed to the public since before 2008. The slipway experiences periodic settlement and instances of damage. The public are known to still use the slipway by climbing over the fence. During the 2022 inspection a large void was noticed within the deck of slipway and the tide was observed washing into the void. Due to the significant risk posed to the structure this was reported immediately to SBC and Engineers were dispatched to attend to the defect the same day (01/03/2022).</p> <p>Additionally there are large vertical cracks on the wingwall face with missing coping stones. Recently repaired (pre 2018) concrete slabs at top of slipway where tarmac had previously settled in good condition. New concrete slabs behind slipway on promenade.</p>		
	Recommendations		
	Repair void in slipway deck. Carry out repairs to make slipway safe or fence off at bottom as well as top		


SBC Reference:	45-20B-02		
NFCDD reference:	1221D901D1201C08		
	Asset Location:	TA04078945, TA04288930	
	Asset Length:	206.9	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	No significant change since 2020. There is ad hoc maintenance to address persistent abrasion of the surface of the promenade.. Repair / replacement work on some of the steps / toe in 2011/2013, but some horizontal cracks in original blocks remain.		
	Recommendations		
	Continue to monitor and repair cracks and resurface rest of prom.		


The Holms and Castle Headland


Asset locations detailed on drawing 457730-06


SBC Reference:	45-20B-03		
NFCDD reference:	1221D901D1202C23		
	Asset Location:	North of Albert Road.	
	Asset Length:	31.5	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Wall generally in fair condition, repaired blockwork at southern end in good condition. Lower courses remain heavily abraded. Full height crack through wall at back of prom to south of steps. Cracks through prom slabs and coping to abutments either side of steps.		
	Recommendations		
	Undertake repairs and continue to monitor.		


SBC Reference:	46-20B-01		
NFCDD reference:	1221D901D1202C01		
	Asset Location:	TA04288929, TA0493895. East of Albert Road.	
	Asset Length:	124.8	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	No significant change since 2020. Original wall mostly hidden by rock armour; splash wall seems to be in good condition. Tightly packed rock armour with good coverage. . Missing mortar to wall at rear of prom. Prom slab abraded where not replaced.		
	Recommendations		
	Replace mortar to wall at rear of prom. Continue to monitor. Look to replace remaining sections of prom.		


SBC Reference:	46-20B-02		
NFCDD reference:	1221D901D1202C01001		
	Asset Location:		
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Fair condition overall. Beach levels high during 2022 inspection meaning previously reported scour pool at the toe of steps was infilled and the lower steps were covered. It has been previously reported that the lower steps are abraded, with rounded treads and that in places the aggregate is exposed. . Upper Steps (north) in good condition		
	Recommendations		
	Continue to monitor.		


SBC Reference:	46-20B-03		
NFCDD reference:	1221D901D1202C03003		
	Asset Location:	Part of 46-20b-04	
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Steps and handrail in good condition throughout. Steps combine with the lower flight of SBC Ref: 46-20B-02 to form an access onto the beach.		
	Recommendations		
	Continue to monitor		

SBC Reference:	46-20B-04		
NFCDD reference:	1221D901D1202C03		
	Asset Location:		
	Asset Length:	429.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Constructed circa 2003. The Holms. Prom & Splash wall in good condition. Armour well packed and good cover. The original wall is no longer visible.		
	Recommendations		
Continue to monitor.			

SBC Reference:	46-20B-05		
NFCDD reference:	1221D901D1202C03002		
	Asset Location:	Part of 46-20B-04	
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	A	4	
	Brief Description		
	Upper flight of steps and hand rail in good condition. There is some localised abrasion and small degree of rounding of the step treads.		
	Recommendations		
Continue to monitor.			


SBC Reference:	46-20B-06		
NFCDD reference:	1221D901D1202C03001		
	Asset Location:	Part of 46-20B-04	
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	A	4	
	Brief Description		
	Upper flight of steps remains in good condition throughout. Steps combine with SBC Ref: 46-20B-05 with single flight to beach level. Steps to lower part of flight to each level rounded.		
	Recommendations		
Continue to monitor.			

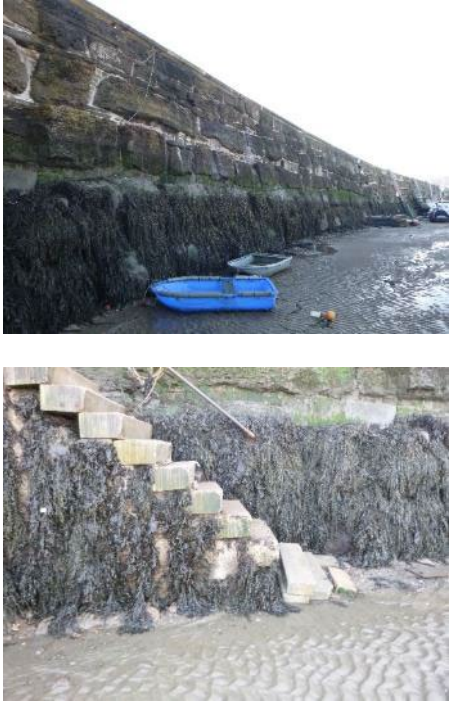
SBC Reference:	46-20B-07		
NFCDD reference:	1221D901D1202C04		
	Asset Location:		
	Asset Length:	219.9	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Original wall hidden by armour; splash wall remains in good condition. Tightly packed rock armour appears stable, no loose rocks. Toe piling appears to be working well, although could only be inspected from the promenade. Healthy levels of natural rock against piling offering further protection. Prom good condition.		
	Recommendations		
Continue to monitor.			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1202C02		
	Asset Location:	TA05178883, TA04988952. East of Scarborough Castle.	
	Asset Length:	886.7	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Pre-cast concrete accropodes are slightly abraded and chipped throughout, with some localised areas of movement, including most significantly at the apex of the defence. No change to the condition and no significant cause for concern at present.		
	Recommendations		
Continue to monitor, in particular where there has been obvious movement of the units.			


Scarborough Harbour and South Bay


Asset locations detailed on drawing 457730-07


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C01		
	Asset Location:	TA04958849, TA05178883 North Harbour Breakwater.	
	Asset Length:	444.9	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Crest wall generally in good condition, some cracking and abrasion of the deck on top of the crest wall. Rock armour & accropodes units generally well packed and in good condition. Condition deteriorates at the southern end of the defence as some units are less tightly packed and locally there are missing armour units. Evidence of lateral voids at seaward end of breakwater visible at the low water mark during inspection from the beach to the south.		
	Recommendations		
	Continue to monitor. Inspection of seaward end of structure required from boat.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C16		
	Asset Location:	Scarborough Harbour. North breakwater inner wall.	
	Asset Length:	362.1	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	<p>The wall was inspected in detail at low water during the 2022 inspection. There is extensive vegetation cover along the lower half of the wall, covering voids and open joints. Wall was repaired in 2004/5, however many of these repairs are now failing. There is evidence of voids and missing blockwork along the toe of the breakwater. The lower steps have failed and don't enable safe access of the harbour bed. There are some cracks in the promenade. Evidence of lateral voids at seaward end of breakwater. Visible along the low water mark during inspection from the beach to the south.</p>		
	Recommendations		
<p>Major works required to repair toe of wall and missing. Continue to monitor. Repair toe voids. Inspection of seaward end of structure required from boat.</p>			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C02		
	Asset Location:	TA05108874, TA05148874. Next to and under fairground.	
	Asset Length:	77.9	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Slipway in poor condition, with missing cobbles on the upper reach and extensive abrasion across lower reach. Wall unable to be inspected in great detail due presence of overhanging timber balcony. Wall appeared generally to be in fair condition with some missing mortar. The timber structure appeared in fair condition, with no obvious areas of concern. However, as this is not a coastal defence asset it was not inspected in detail.</p>		
	Recommendations		
Report missing joints to spillway wall and repair slipway surfacing.			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C04		
	Asset Location:	TA04948860, TA05088877. Old Pier	
	Asset Length:	463.1	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Wall condition varies. At the northern end of the eastern and western faces of the wall the condition appears fair. However at the southern end and particularly around the southern tip there is extensive evidence of missing mortar and potential localised movement of blocks. Elsewhere the wall is experiencing localised areas of missing mortar however, the wooden, fenders, vegetation and boats obscure the lower parts of the wall. Promenade generally in good condition, some cracking and abrasion..</p>		
	Recommendations		
Undertake detailed survey of southern end of wall from a boat. Continue to monitor and repoint cracks and missing			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C03		
	Asset Location:	TA04958853, TA04938860. Lighthouse island.	
	Asset Length:	83.5	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Inner wall at entrance breakwater. Numerous cracks to blocks and missing mortar in joints. Vegetation and fenders obscuring most of walls. Stop logs were in place between the Lighthouse Island and the harbour breakwater during the inspection. It was also noted that the floating marina pontoons are in poor condition, and in one location the runners (which allow the pontoons to rise and fall with the tide) are no longer attached to the risers. This may lead to uneven loading on the structure and risks damaging the condition of the wall.</p>		
	Recommendations		
Continue to monitor and repoint cracks and joints.			



SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C17		
	Asset Location:	TA04958853, TA04938860. Wall at south side of Lighthouse island	
	Asset Length:	97	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Outer face. Sheet piles heavily corroded, although obscured by vegetation growing on the bottom of the piling. Much of the seaward edge of the structure was closed off with heras fencing and so was unable to be inspected in detail. There are previously reported cracks to the concrete side wall to steps. Unable to be inspected in 2022 as top of the steps was fenced off.</p>		
	Recommendations		
Repair cracks. Continue to monitor.			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C05		
	Asset Location:	TA05048878, TA05088877. South of roundabout opposite arcade.	
	Asset Length:	43.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Evidence of cracking, abrasion and open joints along edge of coping stone. The arches are infilled underneath, and they appear structurally sound. Promenade in good condition.		
	Recommendations		
	Repair cracks and damage to coping.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C12		
	Asset Location:	TA04998877, TA05048878. West of masonry arches.	
	Asset Length:	51.7	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Evidence of localised corrosion to the sheet piles. However the general condition is fair. There is some vegetation growth on the lower part of the piles along the wall's full length. Promenade in good condition, however the coping stone is chipped in several locations.		
	Recommendations		
	Remove vegetation from piles, continue to monitor.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C11		
	Asset Location:	TA04958876, TA04998877, Opposite Subway restaurant.	
	Asset Length:	47	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Few minor cracks to backing wall, spalling to capping. Promenade in good condition. Upper wall good. Slipway remains in fair condition, some missing joint sealant in concrete section at lower end of slip. Concrete piles at lower wall appear to have rotated in past but appear to be stable. Cracks to lower slabs in slipway. Damage to handrailing noted during 2020 inspection has been repaired.</p>		
	Recommendations		
	Continue monitoring, repair cracks/joints.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C06		
	Asset Location:	TA04768876, TA04958876. Opposite Information centre.	
	Asset Length:	195.8	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Wall in fair condition overall. Some lateral and vertical cracks and missing mortar between blockwork in places. Suspended quay appears to be fair condition, some cracks in protective coating. Timber fenders in fair condition. Promenade deck in good condition. Timber edging rail decaying.		
	Recommendations		
Monitor cracks to wall.			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C14		
 	Asset Location:	TA04758875, TA04768876. West of Information centre.	
	Asset Length:	19.5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Slipway in fair overall condition, only minor gaps between blockwork on upper section of slip. On lower section of slip concrete slabs in good condition. Sheet piles at bottom of slip in fair condition, with only minor signs of corrosion visible. Damaged sections of blockwork wall coping stone on low northern tie in wall reported in 2020 have not been repaired.		
	Recommendations		
Continue active monitoring. Repoint missing joints and damaged section of blockwork wall.			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C13		
	Asset Location:	TA04758875, TA04908862. West pier wall.	
	Asset Length:	140.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Generally the sheet piles appear in fair condition where visible but were only inspected from a distance at low water. At the tie-in the with the adjacent asset to the north (NFCDD Ref: 1221D901D1301C14) there has been local displacement of a section of concrete backfill which has exposed a small void behind the sheet pile. Promenade in fair condition.</p>		
	Recommendations		
Undertake detailed inspection of sheet piles from boat and a dive inspection. Monitor tie-in section.			



SBC Reference:	N/A		
NFCDD reference:	1221D901D1301C18		
	Asset Location:	West Pier, Scarborough South Bay.	
	Asset Length:	115.6	
	Condition Assessment		
	Condition	Priority	Risk
	C	1	
	Brief Description		
	<p>Section remains in poor condition, priority upgraded to 1 (Urgent) due to weight limit currently being in place on pier deck. Heavily corroded piles throughout, some voiding visible around low water mark. Recent dive surveys have recorded large voids around seaward end of structure. Cracking evident in coping beam.</p>		
	Recommendations		
Continue to monitor. Inspect piles, repair cracks.			


SBC Reference:	49-21B-05		
NFCDD reference:	1221D901D1301C18001		
	Asset Location:	West Pier, Scarborough South Bay.	
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Steps in poor condition, cracking and missing render around steps. Treads not inspected. Back wall heavily abraded with exposed aggregates and missing capping block in places. Heavily corroded handrail. Large lateral void above toe of side wall on seaward side.		
	Recommendations		
Treat or replace handrail. Replace missing capping block and concrete skim the back wall. Repair cracks in seaward wall.			


SBC Reference:	49-21B-04		
NFCDD reference:	1221D901D1301C07		
	Asset Location:	TA04738870, TA04908862. Beach end of West Pier, between stairs.	
	Asset Length:	58.7	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Scour apron not visible due to beach level. Horizontal and vertical cracks present throughout wall, including most notably at roundhead. Historic crack repairs appear in poor condition., Extensive abrasion of wall face along full length of asset.. Exposed timber toe piles rotten and voids forming at base of wall.		
	Recommendations		
Continue to monitor and repair cracks, voids and damaged apron. Improve toe protection.			


SBC Reference:	49-21B-03		
NFCDD reference:	1221D901D1301C07001		
	Asset Location:	TA04738870, TA04908862. Beach end of West Pier, between stairs.	
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Steps in fair condition, handrail heavily corroded and in poor condition. Precast steps have been repointed on exposed seaward side at upper part, a large amount of the mortar has been lost around the step units, in particular around the upper one-third of the steps where the seaward ends of the step units is visible . Numerous lateral cracks in side wall and back wall to steps.		
	Recommendations		
	Repair open joints around the pre-cast step units. Repair cracks in walls. Continue to monitor.		


SBC Reference:	49-21B-02		
NFCDD reference:	1221D901D1301C19		
	Asset Location:	TA04738870, TA04908862. Shore end of West Pier.	
	Asset Length:	110.4	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Wall in poor condition, large vertical crack appears same as last inspection. Extensive smaller horizontal and vertical cracks, exposed aggregate throughout wall. Rotten timber toe piles exposed at deeper end. Scour hole developing behind the timber piles. Few minor cracks to promenade and coping.		
	Recommendations		
Continue to monitor and repair cracks and improve toe protection.			


SBC Reference:	49-21B-01		
NFCDD reference:	1221D901D1301C08		
 	Asset Location:	TA04708872, TA04738870	
	Asset Length:	69.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	
	Brief Description		
	Wall replaced as part of RNLI development. Wall remains in good condition. Vegetation growth around full perimeter of wall may obscure defects. Vegetation coverage most dense beneath the slipway. One displaced block was noted to the south of the slipway, appeared unchanged since 2020. Staining around flap valve beneath RNLI slipway.		
	Recommendations		
Repair damaged blockwork. Clean vegetation, particularly beneath slipway.			


SBC Reference:	51-22A-01		
NFCDD reference:	1221D901D1301C20		
	Asset Location:	Next to Life boat house.	
	Asset Length:	28.5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Slipway appears in fair condition. Some cracked blocks and mortar required. Beach levels are locally high at the slipway in 2022 and this obscured a view of much of the slipway.		
	Recommendations		
	Repoint and replace blocks as required		


SBC Reference:	51-22A-02		
NFCDD reference:	1221D901D1301C15		
	Asset Location:	TA04538856, TA04698873	
	Asset Length:	40.3	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	High beach levels in 2022 mean only the coping and upper course of blockwork was visible.. Some missing mortar between joints in the coping and localised corrosion to handrails, notably at base.		
	Recommendations		
	Repair joints between blocks. Treat handrails and re-affix when bases become loose.		


SBC Reference:	51-22A-03		
NFCDD reference:	1221D901D1301C15001		
	Asset Location:	TA04538856, TA04698873	
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	High beach levels in 2022 meant only the upper steps were visible. Overall steps in fair condition with some minor abrasion and chipping. Open joint present between final step and promenade.		
	Recommendations		
Continue to monitor. Repair open joints.			


SBC Reference:	51-22A-04		
NFCDD reference:	1221D901D1301C21		
	Asset Location:	TA04538856, TA04698873	
	Asset Length:	57.8	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>High beach levels in 2022 mean only the coping and upper course of blockwork was visible. Missing mortar between joints in the coping and localised corrosion to handrails, notably at base.</p>		
	Recommendations		
Repoint when necessary.			


SBC Reference:	51-22A-05		
NFCDD reference:	1221D901D1301C21001		
	Asset Location:	TA04538856, TA04698873	
	Asset Length:	~3	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	<p>High beach levels in 2022 meant only the upper steps were visible. Overall steps in fair condition with some minor abrasion and chipping causing rounding of the tread.</p>		
	Recommendations		
Continue to monitor			


SBC Reference:	51-22A-06		
NFCDD reference:	1221D901D1301C22		
	Asset Location:	TA04538856, TA04698873	
	Asset Length:	114.9	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	High beach levels in 2022 mean only the coping was visible. Missing mortar between joints in the coping and localised corrosion to handrails, notably at base.		
	Recommendations		
Repair handrails. Repoint blocks.			


SBC Reference:	51-22A-07		
NFCDD reference:	1221D901D1301C22001		
	Asset Location:	TA04538856, TA04698873	
	Asset Length:	~10	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	High beach levels in 2022 mean only a small section of the access ramp was visible. Section which was visible appeared in fair condition.		
	Recommendations		
Continue to monitor.			


SBC Reference:	51-22A-08		
NFCDD reference:	1221D901D1301C23		
	Asset Location:	TA04538856, TA04698873	
	Asset Length:	101.8	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	High beach levels in 2022 mean only the coping was visible. Missing mortar between joints in the coping and localised corrosion to handrails, notably at base. fair condition missing joints in places with some failing repairs around bases of railing posts.		
	Recommendations		
Repoint as required. Ensure historic repairs to posts are still effective.			


SBC Reference:	51-22A-09		
NFCDD reference:	1221D901D1301C23 ⁰⁰¹		
	Asset Location:	TA04538856, TA04698873	
	Asset Length:	~10	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	High beach levels in 2022 mean only a small section of the access ramp was visible. Section which was visible appeared in fair condition. Some missing mortar between blocks.		
	Recommendations		
Repoint as required and continue to monitor.			


SBC Reference:	51-22A-10		
NFCDD reference:	1221D901D1301C24		
	Asset Location:	TA04538856, TA04698873	
	Asset Length:	109.7	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Overall fair condition, some missing mortar between blocks, some blocks cracked occasional missing blocks with previous repairs. Promenade in good condition.		
	Recommendations		
	Monitor, replace blocks, seal cracks and repoint when necessary.		


SBC Reference:	51-22A-11		
NFCDD reference:	1221D901D1301C24001		
	Asset Location:		
	Asset Length:	~10	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Slipway in fair overall condition. Frequent open joints between blocks due to loss of mortar.		
	Recommendations		
	Fill gaps between blocks. Continue to monitor.		


SBC Reference:	51-22A-12		
NFCDD reference:	1221D901D1301C25		
	Asset Location:	TA04538856, TA04698873. In front of Hotel.	
	Asset Length:	99.1	
	Condition Assessment		
	Condition	Priority	Risk
	B	2	
	Brief Description		
	Overall wall in fair condition. Several open joints due to loss of mortar. Signs of abrasion to blocks and coping stones.		
	Recommendations		
	Continue to monitor and repair joints, inspect at low beach level.		


SBC Reference:	52-22A-01		
NFCDD reference:	1221D901D1301C09 001		
	Asset Location:		
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Steps in fair condition, newer concrete apron in good condition. A new handrail has been installed on the lower steps since the previous inspection, this appeared in good condition. Lower steps not visible due to beach levels.		
	Recommendations		
Continue to monitor.			


SBC Reference:	52-22A-02		
NFCDD reference:	1221D901D1301C09		
	Asset Location:	TA04428822, TA04438827. Wall at underground tunnel entrance.	
	Asset Length:	41.5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	3
	Brief Description		
	Toe apron has been repaired / overlaid repairs in good condition. Elsewhere, localised missing mortar in joints of seawall. Signs of abrasion and cracking to unrepaired sections of original apron. Several full height vertical cracks to upper road wall. Promenade in good condition.		
	Recommendations		
Continue to monitor and repair joints and cracks.			



SBC Reference:	52-22A-03		
NFCDD reference:	1221D901D1301C09002		
	Asset Location:		
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	5
	Brief Description		
	Overall the steps and apron are in fair condition. The southern end of the apron has experienced some abrasion and general deterioration.		
	Recommendations		
Continue to monitor. Repair southern end of apron.			



SBC Reference:	52-22A-04		
NFCDD reference:	1221D901D1301C10		
	Asset Location:	TA04508772, TA04428822. North of slipway.	
	Asset Length:	100.7	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Recent repairs to the wall have improved the overall condition to fair. However there are still some open joints due to ongoing loss of mortar and occasional cracked blockwork. Cracking in upper retaining wall between prom and slipway. Recent repairs to slipway coping and toe are in good condition.		
	Recommendations		
Continue to monitor, repair cracks, replace blocks and joints.			


SBC Reference:	53-22B-01		
NFCDD reference:	1221D901D1301C10001		
	Asset Location:	South of 52-22A-04	
	Asset Length:	~12	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Repairs to slipway toe generally in good condition. One area of concern is a small void which has opened between a recently repaired section of the toe edge and the adjacent blockwork wall. Generally the slipway is in fair condition, some open joints to blockwork on upper section.		
	Recommendations		
	Continue monitoring, repair joints and void as required.		


SBC Reference:	53-22B-02		
NFCDD reference:	1221D901D1301C26		
	Asset Location:	TA04508772, TA04428822. South of slipway.	
	Asset Length:	162.1	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Overall the wall is in fair condition. Some cracked blocks but seem stable. Sporadic instances of open joints due to loss of mortar. Crest wall in poor condition with numerous repairs evident. Several sections of coping have been replaced or repaired, elsewhere the coping is heavily abraded		
	Recommendations		
	Grout joints. Continue to monitor.		



SBC Reference:	53-22B-04		
NFCDD reference:	1221D901D1301C26001		
	Asset Location:	Part of 53-22b-02	
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Fair overall condition with bottom steps damaged, due to abrasion and chipping which has caused some rounding of the treads..		
	New concrete toe constructed to seaward side wall in fair condition although partially covered with vegetation growth.		
	Recommendations		
	Continue to monitor.		


SBC Reference:	53-22B-05		
NFCDD reference:	1221D901D1301C27		
 	Asset Location:	TA04508772, TA04428822. North of The Spa.	
	Asset Length:	158.1	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	<p>The wall and its concrete apron have undergone multiple repairs in recent years. The repaired section of crest wall rebuilt after Dec 13 storm, in fair condition. Wall remains in poor condition elsewhere. Many cracks, open joints and displaced blocks in main wall. New toe constructed to northern section of wall in 2018 remains in good condition. Sheet piles at edge of concrete apron are severely corroded in places, with extensive voids beneath concrete toe.</p>		
	Recommendations		
Repair cracks, joints and sheet pile toe.			


SBC Reference:	53-22B-06		
NFCDD reference:	1221D901D1301C28		
 	Asset Location:	TA04508772, TA04428822 Opposite The Spa	
	Asset Length:	76.4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Repairs undertaken in 2017 to install new concrete toe. Concrete toe only partially visible, appears in fair condition. Bullnose wave return feature has had numerous repairs since the previous inspection is generally in good condition. Elsewhere the wall is in fair condition, some evidence of loss of mortar and movement of blockwork.</p>		
	Recommendations		
Continue to monitor, repoint as necessary, repair damaged section of bullnose.			


SBC Reference:	53-22B-07		
NFCDD reference:	1221D901D1301C29		
	Asset Location:	TA04508772, TA04428822. South of The Spa.	
	Asset Length:	57.4	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Overall condition of wall is Poor. There are open joints in the main wall and the repairs to lower splash beam are in fair condition. Beach levels in 2022 are high meaning the stepped section of wall could not be inspected. Promenade in fair condition.		
	Recommendations		
	Continue to repair joints and monitor.		


SBC Reference:	53-22B-08		
NFCDD reference:	1221D901D1302C01001		
	Asset Location:		
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Steps in fair condition, some abrasion and rounding of tread edge. Repairs to the parapet wall coping stone are in good condition. Blockwork wall generally fair, one diagonal crack identified below parapet coping on seaward face. Elsewhere evidence of missing mortar and open joints.		
	Recommendations		
	Continue to monitor. Repair crack below parapet on seaward face of wall.		


SBC Reference:	54-22B-01		
NFCDD reference:	1221D901D1302C01		
 	Asset Location:	TA04538765, TA04508772. Next to cliff railway.	
	Asset Length:	77.5	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	<p>The asset remains in poor condition in 2022. The framework of steel supports and horizontal I-section support beam beneath upper prom is in fair condition. The condition of the promenade remains unchanged in a poor state of repair, with extensive cracking and spalling leading to exposed reinforcement on the underside of the deck. There are numerous cracks and extensive corrosion/rust staining to beams supporting upper prom near stairs. Cracking & rust staining to cols. Major weathering loss of stone blocks in rear splash wall. The lower wall at beach level is generally in fair condition, two areas of historic repair are in fair condition.</p>		
	Recommendations		
	<p>Monitor steel support structure. Capitol scheme to improve long term resilience of the asset.</p>		


SBC Reference:	54-22B-02		
NFCDD reference:	1221D901D1302C01002		
	Asset Location:		
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Overall the steps are in poor condition, with evidence of abrasion and rounding of the tread. The repairs to the parapet are generally in fair condition, as is the blockwork wall and toe. The handrail is corroded in places.		
	Recommendations		
Repair steps. Treat handrail. Continue to monitor.			


SBC Reference:	54-22B-03		
NFCDD reference:	1221D901D1302C03		
	Asset Location:	TA04628752, TA04538765. South of cliff railway.	
	Asset Length:	19.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Wall in fair Condition, numerous patch repairs and repointing have been undertaken. Some evidence of missing mortar and open joints remaining.		
	Recommendations		
Regular repair to joints, particularly on steps.			


SBC Reference:	56-22B-04		
NFCDD reference:	1221D901D1302C02 001		
	Asset Location:		
	Asset Length:	~10	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Slipway in fair overall condition. Uneven cobbles with some missing mortar requiring repointing in places. No change from 2022.		
	Recommendations		
Repoint joints. Continue to monitor			


SBC Reference:	55-22B-01		
NFCDD reference:	1221D901D1302C02		
	Asset Location:	TA04628752, TA04538765. In front of Beach Chalets.	
	Asset Length:	231.8	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Numerous historic and recent repairs in varying conditions Generally the condition of the asset is fair with recent repairs to the main wall, coping and wave wall in good condition. Some evidence of spalling and open joints throughout structure. Notably there are several long lateral open joints around the apex of the structure.		
	Recommendations		
Replace missing filler in joints in wall and on promenade.			


SBC Reference:	56-22B-02		
NFCDD reference:	1221D901D1302C02 002		
	Asset Location:		
	Asset Length:	~4	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Cracks between the capping beam and the steps. Some steps have been refurbished. Fixings to handrail corroded. Overall fair condition no change since 2020.		
	Recommendations		
Treat handrail fixings. Continue to monitor.			


SBC Reference:	56-22B-03		
NFCDD reference:	1221D901D1302C02 003		
	Asset Location:	Wall south of steps	
	Asset Length:	231.8 (with 55-22b-01)	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Overall condition is poor, there are numerous repairs evident. Several sections of the wall have been rebuilt and several prom slabs have been replaced. However, there are frequent open joints in the prom slabs particularly at north end. Previously reported scour of at the toe Was not visible due to beach levels. Open joints in lower wall.		
	Recommendations		
Repoint blockwork, replace joints in slabs and on lower wall. Continue with any outstanding repair work			


SBC Reference:	56-22B-04		
NFCDD reference:	1221D901D1302C02004		
	Asset Location:		
	Asset Length:	~5	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Top section behind defence wall has been re-built although cracks have started to appear. Overall condition fair. Slipway leading to beach has several- large cracks and damaged side walls (especially the concrete bagwork and mass concrete screed).		
	Recommendations		
	Repair cracks and screed.		

SBC Reference:	56-22B-05		
NFCDD reference:	1221D901D1303C02		
	Asset Location:	TA04828723, TA04668746.Wall at Dickinson's Point.	
	Asset Length:	308.2	
	Condition Assessment		
	Condition	Priority	Risk
	B	2	
	Brief Description		
	Wall generally in fair condition, although there are locally some areas where the condition is poor. There are several open lateral joints, most notably around the apex of the defence alignment and there are several damaged blocks within the wall face. There is a general deterioration facing to the splash wall and there are frequent cracks and open joints to the promenade deck.		
	Recommendations		
	Repair missing joints in lower blockwork wall and open joints in lower prom. Continue to monitor.		

SBC Reference:	56-22B-06		
NFCDD reference:	1221D901D1303C02 001		
	Asset Location:		
	Asset Length:	~12	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	<p>Groyne in fair condition, locally there is some undercutting of the toe on the northern aspect of the asset. The ramp behind the groyne is in fair condition with some visible repairs. The concrete slab revetment has failed repairs which need replacing.</p>		
	Recommendations		
Replace asphalt filler.			


SBC Reference:	56-22B-07		
NFCDD reference:	1221D901D1304C02		
	Asset Location:	TA04868713, TA04828723. East of Holbeck Gardens.	
	Asset Length:	112.5	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Overall condition of the wall is poor. There are frequent open joints in the blockwork wall and extensive abrasion and damage to the coping stone. Concrete apron was partly visible during the 2022 inspection this appeared in fair condition. The promenade is closed to the public and the handrail is heavily corroded with several missing sections.</p>		
	Recommendations		
Repair facing and copings. Replace mortar. Seal cracks. Replace broken handrails.			


SBC Reference:	56-22B-08		
NFCDD reference:	1221D901D1304C01		
	Asset Location:	TA05038695, TA04868713. Land slip.	
	Asset Length:	294.7	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	>5
	Brief Description		
	Rock armour tightly packed, good cover and looks in good condition. Toe in good condition, rock socketed into wave cut platform of soft rock. Top of sheet piles just visible at toe of revetment with concrete behind. No change since 2020.		
	Recommendations		
Continue to monitor, monitor stability of cliffs.			


SBC Reference:	56-22B-09		
NFCDD reference:	1221D901D1304C01 001		
	Asset Location:	Part of 56-22b-08	
	Asset Length:	~10	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	The ramp is in poor condition. At its seaward end the ramp is undercut and there is a large, near vertical, drop onto the foreshore. There are open joints and locally some cracking to the slabs. The ramp is used informally as a beach access but due to marine growth is extremely slippery.		
	Recommendations		
Erect signage to warn public of the risks of using the structure. Repair cracks. Seal joints. Provide safe access from base of ramp			

Cayton Bay

Asset locations detailed on drawing 457730-08

SBC Reference:	58-24B-01		
NFCDD reference:	1221D901D1402C02		
	Asset Location:	TA06618455, TA06648454	
	Asset Length:	34	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>North of old PS. Poured concrete and concrete blockwork toe below a stepped seawall with curved coping stone. More recent construction than adjacent walls. Cliff cutting back adjacent to North. Wall generally fair, but toe undercut at South. A large void beneath the apron of the structure remains partially concealed by higher beach levels in 2022. Evidence of leaching and moisture seemingly draining from the cliff unit above.</p>		
	Recommendations		
	<p>Repair voids at toe of wall. Investigate source of moisture at the southern end of the defence. Continue to monitor recession of beach level along toe of structure. Monitor for outflanking at northern end.</p>		


SBC Reference:	59-24B-01		
NFCDD reference:	1221D901D1402C05		
	Asset Location:	TA06698449, TA06658454	
	Asset Length:	67.3	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Private wall to old PS in poor condition. Lower apron has multiple patch repairs with poured concrete but has cracks. Recent re-pointing to main wall joints. Upper wall slightly better than lower. High beach levels in 2022 have in part concealed localised undercutting of the toe of the lower wall apron. Numerous voids visible in concrete apron.</p>		
	Recommendations		
	<p>Private maintenance.</p>		


SBC Reference:	60-24B-01		
NFCDD reference:	1221D901D1402C04		
	Asset Location:	TA06698449, TA06758445	
	Asset Length:	32.6	
	Condition Assessment		
	Condition	Priority	Risk
	D	1	
	Brief Description		
	<p>Southern section of apron is missing, lower sea wall has been undercut and failed. Blockwork missing and displaced. Some repairs to deck with concrete. Upper wall missing southern section. Toe undermined. Crest breaking up.</p> <p>Ongoing localised activity in cliff unit behind higher wall with access steps consolidated with trench sheets. Loss of material from behind upper wall caused by slip failure. Large voids in the lower wall at beach level. Further undermining of the footpath. Defence is at significant risk of washout in the event of rainfall event coupled with tidal surge /wave action. Runoff from slope to the rear of upper wall could lead to instability of the structure and cause collapse of access footpath. Repairs performed following 2016 inspection appear in fair condition however the mass concrete toe repair was noted in 2020 as being undercut undermined from its southern end. Due to high beach levels in 2022 the undercutting was buried.</p>		
	Recommendations		
	<p>Repair or remove/make safe. Adapt long term strategic approach as defined in Filey and Cayton Bay Coastal Strategy.</p>		


SBC Reference:	60-24B-01		
NFCDD reference:	1221D901D1402C06		
 	Asset Location:	Nr Pumping Station in Cayton Bay.	
	Asset Length:	19.9	
	Condition Assessment		
	Condition	Priority	Risk
	D	1	
	Brief Description		
	<p>Mass concrete wall has failed and is breaking up. More patch repair work has been done to make safer for pedestrians. Large voids beneath deck structure. Needs removing and replacing with safer beach pedestrian access.</p> <p>Significant damage to the rear of the structure, washout out of fill material evidenced by undercutting and settlement of the structure.</p> <p>Higher beach levels have concealed the base of the structure. Repairs to step (addition of larger bottom step) made following 2018 inspection are in good condition. Repairs to steps not visible in 2022 due to high beach levels.</p> <p>Repairs undertaken to make safe in July 2016 noted as being in fair condition. Concrete skim on deck of structure noted as being in good condition and has temporarily filled open surface voids.</p>		
	Recommendations		
	<p>Repair or remove/make safe beach access. Adapt long term strategic approach as defined in Filey and Cayton Bay Coastal Strategy.</p>		



Filey


Asset locations detailed on drawing 457730-08


SBC Reference:	N/A		
NFCDD reference:	1221D901D1601C02		
	Asset Location:	TA12248126, TA12278130	
	Asset Length:	18.3m	
	Condition Assessment		
	Condition	Priority	Risk
	D	4	
	Brief Description		
	Rock armour scattered and totally ineffective. Timber breastwork no longer evident. Coastal slope appears to be actively eroding. Rock armour originally placed in failed breastwork. No significant change in 2020.		
	Recommendations		
	Consider reprofiling rock to slow erosion at boat club.		


SBC Reference:	64-28A-02		
NFCDD reference:	1221D901D1601C03		
	Asset Location:	TA12228121, TA12248126	
	Asset Length:	55.8m	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Sheet piling remains in good condition although surface corrosion present. High beach levels concealed much of the lower sheet piles, including outlet. Scour hole at north end of promenade identified in 2018 was repaired prior to 2020. Missing section of coping at northern end of sheet pile wall.		
	Recommendations		
	Replace damaged section of coping stone. Monitor for risk of outflanking, continue to inspect.		


SBC Reference:	64-28A-01		
NFCDD reference:	1221D901D1601C03 001		
	Asset Location:	TA12228121, TA12248126	
	Asset Length:	~15m	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Fair to poor condition overall, concrete encasement abraded, open joints, cracks in the middle part with patch repairs carried out. Significant undercutting of slipway toe on the seaward side. Drainage outlet on seaward side not observed but reported previously to be blocked.</p> <p>In 2022 there was evidence of localised earth movement and slumping onto the slipway.</p>		
	Recommendations		
Repair undercutting slipway.			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1602C09 002		
 	Asset Location:	TA12118095, TA12128100	
	Asset Length:	~10m	
	Condition Assessment		
	Condition	Priority	Risk
	D	2	
	Brief Description		
	<p>Concrete rear ramp/wing wall in poor condition. Seaward side is heavily abraded with several missing sections of capping beam. Several holes in deck towards toe. A large scour hole has developed since 2018 at the wall joint exposing reinforcement. Asset remains in poor condition.</p> <p>–</p>		
	Recommendations		
Repair scour hole			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1602C09		
	Asset Location:	North of promenade, Filey.	
	Asset Length:	38.8m	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Horizontal cracks and open joints throughout structure. Degradation of front faces of blocks and capping. Crest section repaired locally. Toe of wall abraded/undermined at bottom of slipway. Large crack through wingwall approx. 7m from extremity of wall possibly due to settlement. No significant change in 2022.		
	Recommendations		
Repair undermining at slipway, monitor and repair damage.			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1602C09001		
	Asset Location:	North of promenade, Filey.	
	Asset Length:	10m	
	Condition Assessment		
	Condition	Priority	Risk
	B	4	
	Brief Description		
	Slipway blockwork remains in fair to good condition. Beach sediment levels on slipway lower than in 2022. Exposed blockwork instances of missing mortar particularly on lower reaches of the slipway.		
	Recommendations		
Continue to monitor			


SBC Reference:	N/A		
NFCDD reference:	1221D901D1602C01		
	Asset Location:	TA12118095, TA12128100	
	Asset Length:	49.6m	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	The concrete cope beam, replaced prior to 2018, remains in good condition. Abrasion of wall. Concrete block wall adjacent in poor condition – leans seaward, open joints, damaged blocks.		
	Recommendations		
Repair damaged wall. Monitor leaning wall.			



SBC Reference:	67-28B-01		
NFCDD reference:	1221D901D1602C06		
	Asset Location:	North of promenade	
	Asset Length:	109.8m	
	Condition Assessment		
	Condition	Priority	Risk
	B	2	
	Brief Description		
	No significant change in 2022. Missing pointing between blocks on wall. Damage to front face of several blocks. Concrete toe apron exposed locally. In 2022, beach levels varied with some drainage outlets buried and some exposed.		
	Recommendations		
Repointing. reseal cracks below coping.			


SBC Reference:	67-28B-02		
NFCDD reference:	1221D901D1602C08 001		
	Asset Location:		
	Asset Length:	~6m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Mixed construction from blockwork and mass concrete. Recent blockwork repair towards toe. Several open joints between blockwork, cracked concrete. High Beach levels concealed concrete toe apron previously reported to be undermined.		
	Recommendations		
Repair/reseal joints and repair cracks. Continue to monitor.			

SBC Reference:	67-28B-03		
NFCDD reference:	1221D901D1602C08		
	Asset Location:	TA11978020, TA12068082	
	Asset Length:	301.6m	
	Condition Assessment		
	Condition	Priority	Risk
	B	2	
	Brief Description		
	Abrasion to front face, particularly just above beach level appearsto have worsened slightly. As reported in 2022, many of the bullnose coping blocks have been repaired, but others are cracked/damaged. Several open joints leaking water. Lower beach levels exposed several drainage outlets, some of which appeared to be blocked. Previously observed bubbling water on beach approx. 1m off toe of wall was not observed in 2022, it is believed this is due to a buried outfall pipe. Handrails corroded.		
	Recommendations		
Replace/repair cracked coping and repair damaged blocks. Repair handrails. Confirm “bubbling” is due to buried outlet.			


SBC Reference:	67-28B-04		
NFCDD reference:	1221D901D1602C03 002		
	Asset Location:		
	Asset Length:	12m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Several open/missing joints in slipway, occasional settled blocks although none noted missing. Missing blocks and mortar joints on abutment walls. Handrails corroded. No change in 2022.		
	Recommendations		
Repair/replace missing blocks and joints. Treat/replace handrail.			


SBC Reference:	67-28B-04		
NFCDD reference:	1221D901D1602C03 003		
	Asset Location:		
	Asset Length:	6m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	No significant change in 2022. Painted steel bridge in good condition overall. No issues noted to slabs on underside of deck, surface corrosion noted to pipework. Several cracks/open joints in both abutments and brickwork in need of localised repointing.		
	Recommendations		
Repair cracks in abutment walls.			


SBC Reference:	67-28B-05		
NFCDD reference:	1221D901D1602C03		
	Asset Location:	TA11978020, TA12068082	
	Asset Length:	318.8m	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	Abraded blockwork continues to deteriorate. Loss of face to many blocks throughout, particularly at lower levels at South end. Water observed seeping from between abraded blocks in area. Several new / repaired coping blocks. Handrails corroding at many joints. Cracked coping beam with missing joint sealant in several places. Some drainage outlets were visible due to lower beach levels.		
	Recommendations		
	Monitor abrasion and reface in blocks. Repair/replace handrails. Repair missing joints.		


SBC Reference:	N/A		
NFCDD reference:	1221D901D1602C03 001		
	Asset Location:		
	Asset Length:	5m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
No significant change in 2022. Corroded handrail and cracking joints below treads on side wall. Step nosing lightly			
Recommendations			
Repair joints. Treat handrails. Continue to monitor.			


SBC Reference:	67-28B-06		
NFCDD reference:	1221D901D1602C04 002		
	Asset Location:	TA11968012, TA11978020	
	Asset Length:	20m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	


	Brief Description	
	Shingle levels at toe of slipway were lower than in 2020. A previously reported scour hole was not observed, however there were many open joints where mortar has been lost from between the stone blocks.	
	Recommendations	
Replace/repair missing joints. Continue to monitor.		

SBC Reference:	67-28B-07		
NFCDD reference:	1221D901D1602C04		
	Asset Location:	TA11968012, TA11978020	
	Asset Length:	91.8m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Overall fair condition, some abrasion to facing of blocks, open/missing joints between a few blocks. No change in 2022.		
Recommendations			
Seal open joints, repair abrasion damage to facing of blocks.			


SBC Reference:	67-28B-08		
NFCDD reference:	1221D901D1602C04 001		
	Asset Location:		
	Asset Length:	~6m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Abrasion/ chipping to steps, coping cracked locally. Localised scour of beach sediment adjacent to landing step can makes access at low tide difficult due to pooling water.		
Recommendations			
Repair chipped steps and cracked coping, continue to monitor.			


SBC Reference:	67-28B-09		
NFCDD reference:	1221D901D1602C07		
	Asset Location:		
	Asset Length:	98m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Cracking to bullnose coping stone in a few places, with evidence of historic repairs. Numerous chipped / damaged facing blocks, but overall condition remains fair. Cracks and open joints in blockwork of southern steps buttress. Promenade fair to good. Potholes in asphalt reported in 2018.		
	Recommendations		
Repair cracks and loose blocks. Fill joints. Continue to monitor.			

SBC Reference:	67-28B-10		
NFCDD reference:	1221D901D1602C05001		
	Asset Location:		
	Asset Length:	10m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Spalling and abrasion of concrete blocks on seaward side with missing joints in places. Steps abraded and beginning to round although in fair condition.		
	Recommendations		
Replace missing joints, repoint steps. Continue to monitor			


SBC Reference:	67-28B-11		
NFCDD reference:	1221D901D1602C05		
	Asset Location:	TA11957997, TA11968012	
	Asset Length:	103.9m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Some damage to seaward edge of prom. Repairs to splash beam by outfall holding (reported in 2018). Numerous lower blocks damaged on front face between beach level and 2m height not significantly worsened. Horizontal crack on seaward section as 2012. Cracks in retaining wall to slipway. Only a small flow discharging from outfall on day of inspection. Outfall grate corroded.		
	Recommendations		

	Monitor damage to blocks and repair where necessary. Treat/replace handrailing.
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SBC Reference:	67-28B-12		
NFCDD reference:	1221D901D1602C02001		
	Asset Location:	TA12248126, TA12278130	
	Asset Length:	15m	
	Condition Assessment		
	Condition	Priority	Risk
	B	3	
	Brief Description		
	Spalling of concrete near base. Crack on side wall at mid-section. Fair condition overall. Handrail corroded. Toe of slipway abraded causing open joints between concrete sections. Washout of material behind slipway has caused outlet pipe to break.		
	Recommendations		
Repair spalling and cracking. Repaint/replace handrailing. Repair outlet pipe behind structure.			

SBC Reference:	67-28B-13		
NFCDD reference:	1221D901D1602C02		
	Asset Location:	TA12068082, TA12118035	
	Asset Length:	18.3m	
	Condition Assessment		
	Condition	Priority	Risk
	C	2	
	Brief Description		
	Gabion baskets fronted by rock armour and concrete blocks, with gravel/stone infill to rear. Slumping cliffs behind may be pushing rock onto beach highlighted by the depression in the crest of the gabion baskets and rock armour. Noted in 2022 that at least two of the gabion baskets at the southern end of the revetment have split. Revetment at risk of unravelling if outflanking continues.		
	Recommendations		
Continue to monitor and reposition rocks as required. Consider placement of larger rock armour. Repair / replace broken gabion baskets			

Flat Cliffs

SBC Reference:	To be allocated by SBC to this new defence length		
NFCDD reference:	To be allocated by SBC to this new defence length		
	Asset Location:		
	Asset Length:	75m	
	Condition Assessment		
	Condition	Priority	Risk
	C	3	
	Brief Description		
	<p>Flat cliffs stabilisation scheme was complete in 2018 to provide temporary (20 year design life) protection to the hamlet access road. The works involved installing sand filled geotextile bags along the toe of the till cliffs, kerb drainage units along the access road at the crest of the cliffs and sub-horizontal slope drainage installed at the base of the cliff.</p> <p>The geotextile bags at the toe of the cliff were partly buried by beach sediment. The toe of the cliff has continued to retreat, exposing drainage pipes along the full length which in many places have come separated at their terminal end. It was noteworthy that several of the drainage pipes were discharging water at the time of inspection suggesting they are still operating as expected</p>		
	Recommendations		
	<p>It is recommended that the pipes are not reconnected due to the ongoing erosion of the toe making it highly likely for the issues rearise. Remove any unused pipework from foreshore.</p> <p>As the works are designed as a temporary measure, it is recommended that an alternative access arrangement into the hamlet is made [Urgent].</p> <p>Monitor performance of drainage units, ensuring outfalls behave as designed.</p> <p>In the longer term, it is recommended that the Council, residents and other local stakeholders start planning for 'adaptation to coastal change' in the medium to longer term. This may involve relocating inland.</p>		

Appendix B - Grand Summary

Staithe

SBC Reference	NFCDD Ref	Condition/Priority	Risk
N/A	1221D901D0402C01	C 2	
N/A	1221D901D0402C02	B 3	
N/A	1221D901D0402C03	C 3	
N/A	1221D901D0402C06	C 3	
N/A	1221D901D0402C04	C 3	
02-04-01	1221D901D0402C22	C 2	
03-04-01	1221D901D0402C05	B 3	
N/A	1221D901D0403C07	B 4	
04-04-01	1221D901D0403C01	B 3	
N/A	1221D901D0403C02	B 4	
N/A	1221D901D0403C04	B 3	
N/A	1221D901D0403C03	B 3	
N/A	1221D901D0403C05	B 4	

Runswick Bay

SBC Reference	NFCDD Ref	Condition/Priority	Risk
07-07A-01	1221D901D0601C01	B 3	
07-07A-03	1221D901D0601C06	B 4	
08-07A-01	1221D901D0601C03	B 4	
08-07A-02	1221D901D0601C03 001	A 4	
08-07A-03	1221D901D0601C03 002	B 4	
08-07A-04	1221D901D0601C02	C 2	
09-07A-01	1221D901D0601C04	B 3	
10-07B-02	1221D901D0602C01 002	B 3	
N/A	1221D901D0602C05	B 3	
07-07A-02	1221D901D0601C01 001	B 4	
08-07A-05	1221D901D0601C07 001	B 4	
08-07A-06	1221D901D0601C07	B 4	
09-07A-02	1221D901D0601C04 001	B 4	
10-07A-01	1221D901D0602C01	B 4	
10-07B-01	1221D901D0602C01 001	B 4	

Sandsend

SBC Reference	NFCDD Ref	Condition/Priority	Risk
13-09A-01	1221D901D0701C02001	C 3	
13-09A-02	1221D901D0701C02	B 3	
13-09A-03	1221D901D0701C02002	B 3	
14-09B-01	1221D901D0702C01	C 2	
14-09B-02	1221D901D0702C01001	B 3	
14-09B-03	1221D901D0702C01002	C 2	
14-09B-04	1221D901D0702C01003	B 3	
14-09B-05	1221D901D0702C01004	C 2	
14-09B-06	1221D901D0702C01005	B 3	
14-09B-07	1221D901D0702C01006	C 2	
15-09B-01	1221D901D0702C04	B 3	
15-09B-02	1221D901D0702C03	B 3	
15-09B-03	1221D901D0702C03001	B 3	
15-09B-04	1221D901D0702C03002	B 3	
15-09B-05	1221D901D0702C03003	B 3	
16-09C-02	1221D901D0702C02003	B 3	
16-09C-03	1221D901D0702C02004	B 2	
16-09C-04	1221D901D0702C02005	A 4	
16-09C-05	1221D901D0702C02006	A 4	
17-09C-01	1221D901D0702C02007	A 4	
17-09C-02	1221D901D0702C02008	A 4	
17-10-01	1221D901D0702C02009	A 4	
17-10-02	1221D901D0702C02010	A 4	
15-09B-06	1221D901D0702C02	B 4	
15-09B-07	1221D901D0702C02001	B 4	
16-09C-01	1221D901D0702C02002	B 4	

Whitby

SBC Reference	NFCDD Ref	Condition/Priority	Risk
N/A	1221D901D0803C05	B 3	
18-11A-02	1221D901D0801C01	B 3	
18-11A-03	1221D901D0801C01 002	C 3	
18-11A-04	1221D901D0801C01 003	B 3	
19-11A-01	1221D901D0802C01	C 3	
70-11A-01	1221D901D0802C02	B 3	
70-11A-02	1221D901D0802C02 001	B 3	
70-11A-03	1221D901D0802C02 002	B 3	
70-11A-04	1221D901D0802C02 003	C 3	
71-11A-01	1221D901D0802C03	C 2	
71-11A-02	1221D901D0802C13 001	B 3	
71-11A-03	1221D901D0802C13	C 2	
71-11A-04	1221D901D0802C13 002	C 2	
71-11A-05	1221D901D0802C14	C 2	
20-11A-01	1221D901D0802C04001	C 3	
20-11A-02	1221D901D0802C04	C 3	
21-11A-01	1221D901D0802C07	C 3	
21-11A-02	1221D901D0802C07 001	C 3	
22-11A-01	1221D901D0802C06	C 3	
22-11A-02	1221D901D0802C06 001	C 3	
22-11A-03	1221D901D0802C15	C 3	
N/A	1221D901D0802C05	C 3	
24-11B-01	1221D901D0802C09	B 3	
25-11B-01	1221D901D0802C10	B 3	
25-11B-02	1221D901D0802C12 002	B 3	
25-11B-03	1221D901D0802C12 003	B 3	
26-11B-01	1221D901D0802C12	B 2	
26-11B-02	1221D901D0802C12 001	B 3	
27-11B-01	1221D901D0803C02	A 4	
N/A	1221D901D0803C01	B 3	
N/A	1221D901D0803C07	C 3	
N/A	1221D901D0803C10	B 3	
N/A	1221D901D0803C08	B 3	
N/A	1221D901D0803C09	C 3	
N/A	1221D901D0803C03	A 4	
N/A	1221D901D0803C04	B 3	
18-11A-01	1221D901D0801C01 001	B 4	
N/A	1221D901D0803C06	B 4	

Robin Hood's Bay

SBC Reference	NFCDD Ref	Condition/Priority	Risk
33-16A-02	1221D901D1003C02	C 2	Yellow
34-16A-01	1221D901D1003C04	C 2	Yellow
35-16B-01	1221D901D1003C05	B 3	Yellow
36-16B-01	1221D901D1003C06	B 2	Yellow
36-16B-02	1221D901D1003C10	B 3	Yellow
37-16C-03	1221D901D1003C07	C 2	Yellow
32-16A-01	1221D901D1002C02	B 4	Green
32-16A-02	1221D901D1003C01001	B 3	Yellow
33-16A-01	1221D901D1003C01	B 4	Green
36-16B-03	1221D901D1003C09001	B 4	Green
37-16C-01	1221D901D1003C09	B 4	Green
37-16C-02	1221D901D1003C07001	B 4	Green

Scarborough North Bay

SBC Reference	NFCDD Ref	Condition/Priority	Risk
40-20A-01	1221D901D1201C02004	C 3	Yellow
39-20A-01	1221D901D1201C01	B 4	Green
39-20A-02	1221D901D1201C02	B 3	Yellow
39-20A-03	1221D901D1201C02002	C 3	Yellow
39-20A-04	1221D901D1201C02003	B 3	Yellow
40-20A-02	1221D901D1201C03	C 2	Yellow
40-20A-03	1221D901D1201C03001	B 4	Green
40-20A-04	1221D901D1201C24	C 3	Yellow
40-20A-06	1221D901D1201C25	C 3	Yellow
41-20A-01	1221D901D1201C04001	B 3	Yellow
41-20A-02	1221D901D1201C04	B 3	Yellow
41-20A-03	1221D901D1201C10001	B 3	Yellow
41-20A-04	1221D901D1201C10	B 3	Yellow
43-20B-01	1221D901D1201C06	B 3	Yellow
43-20B-03	1221D901D1201C19	B 3	Yellow
43-20B-04	1221D901D1201C20001	B 3	Yellow
44-20B-01	1221D901D1201C20	B 3	Yellow
44-20B-02	1221D901D1201C07	C2	Yellow
44-20B-03	1221D901D1201C07001	B 3	Yellow
44-20B-04	1221D901D1201C07002	B 3	Yellow
44-20B-05	1221D901D1201C21	B 3	Yellow
45-20B-01	1221D901D1201C08001	D 1	Red
45-20B-02	1221D901D1201C08	B 3	Yellow
39-20A-01	1221D901D1201C02001	B 4	Green
40-20A-05	1221D901D1201C24001	B 3	Yellow
42-20A-02	1221D901D1201C26	B 4	Green
42-20A-03	1221D901D1201C26001	B 3	Yellow
42-20A-04	1221D901D1201C11	B 4	Green
42-20A-05	1221D901D1201C11001	C 2	Yellow
42-20A-06	1221D901D1201C12	B 4	Green
42-20A-07	1221D901D1201C12001	B 4	Green
42-20A-08	1221D901D1201C13	B 4	Green
42-20A-09	1221D901D1201C13001	B 4	Green
42-20A-10	1221D901D1201C14	B 4	Green
42-20A-11	1221D901D1201C14001	B 4	Green
42-20A-12	1221D901D1201C15	B 4	Green
42-20A-13	1221D901D1201C15001	B 3	Yellow
42-20A-14	1221D901D1201C16	B 4	Green
42-20A-15	1221D901D1201C16001	B 4	Green
42-20A-16	1221D901D1201C05	B 4	Green
42-20A-17	1221D901D1201C05001	A 4	Green
42-20A-18	1221D901D1201C17	B 4	Green
42-20A-19	1221D901D1201C17001	B 4	Green
42-20A-20	1221D901D1201C18	B 4	Green
42-20A-21	1221D901D1201C18001	B 4	Green
43-20B-02	1221D901D1201C06001	B3	Yellow

Scarborough, The Holms and Castle Headland

SBC Reference	NFCDD Ref	Condition/Priority	Risk
45-20B-03	1221D901D1202C23	C 3	
46-20B-01	1221D901D1202C01	B 4	
46-20B-02	1221D901D1202C01001	B 3	
46-20B-03	1221D901D1202C03003	B 4	
46-20B-04	1221D901D1202C03	B 4	
46-20B-05	1221D901D1202C03002	A 4	
46-20B-06	1221D901D1202C03001	A 4	
46-20B-07	1221D901D1202C04	B 4	
N/A	1221D901D1202C02	B 4	

Scarborough Harbour and South Bay

SBC Reference	NFCDD Ref	Condition/Priority	Risk
N/A	1221D901D1301C16	C 2	
N/A	1221D901D1301C01	B 3	
N/A	1221D901D1301C02	C 3	
N/A	1221D901D1301C04	B 3	
N/A	1221D901D1301C03	C 3	
N/A	1221D901D1301C17	B 3	
N/A	1221D901D1301C05	B 3	
N/A	1221D901D1301C12	C 3	
N/A	1221D901D1301C11	B 3	
N/A	1221D901D1301C06	B 3	
N/A	1221D901D1301C14	B 3	
N/A	1221D901D1301C13	B 3	
N/A	1221D901D1301C18	C 1	
49-21B-05	1221D901D1301C18001	C 2	
49-21B-04	1221D901D1301C07	C 2	
49-21B-03	1221D901D1301C07001	B 3	
49-21B-02	1221D901D1301C19	C 2	
49-21B-01	1221D901D1301C08	B 4	
51-22A-01	1221D901D1301C20	B 3	
51-22A-02	1221D901D1301C15	B 3	
51-22A-03	1221D901D1301C15001	B 4	
51-22A-04	1221D901D1301C21	B 3	
51-22A-05	1221D901D1301C21001	B 4	
51-22A-06	1221D901D1301C22	B 3	
51-22A-07	1221D901D1301C22001	B 3	
51-22A-08	1221D901D1301C23	B 3	
51-22A-09	1221D901D1301C23001	B 4	
51-22A-10	1221D901D1301C24	B 3	
51-22A-11	1221D901D1301C24001	B 3	
51-22A-12	1221D901D1301C25	B 2	
52-22A-01	1221D901D1301C09001	B 4	
52-22A-02	1221D901D1301C09	B 3	
52-22A-03	1221D901D1301C09002	B 4	

Scarborough Harbour and South Bay (cont.)

52-22A-04	1221D901D1301C10	C 3	
53-22B-01	1221D901D1301C10001	B 3	
53-22B-02	1221D901D1301C26	B 3	
53-22B-04	1221D901D1301C26001	B 3	
53-22B-05	1221D901D1301C27	B 2	
53-22B-06	1221D901D1301C28	B 3	
53-22B-07	1221D901D1301C29	C 2	
53-22B-08	1221D901D1302C01001	B 3	
54-22B-01	1221D901D1302C01	C 2	
54-22B-02	1221D901D1302C01002	C 2	
54-22B-03	1221D901D1302C03	B 3	
56-22B-04	1221D901D1302C02001	B 3	
55-22B-01	1221D901D1302C02	C 2	
56-22B-02	1221D901D1302C02002	B 3	
56-22B-03	1221D901D1302C02003	C 2	
56-22B-04	1221D901D1302C02004	B 3	
56-22B-05	1221D901D1303C02	B 2	
56-22B-06	1221D901D1303C02001	B 3	
56-22B-07	1221D901D1304C02	C 3	
N/A	1221D901D1301C01	B 4	
51-22A-03	1221D901D1301C15001	B 4	
51-22A-05	1221D901D1301C21001	B 4	
51-22A-09	1221D901D1301C23001	B 4	
52-22A-01	1221D901D1301C09001	B 4	
52-22A-03	1221D901D1301C09002	B 4	
56-22B-08	1221D901D1304C01	B 4	
56-22B-09	1221D901D1304C01001	C 2	

NB: Repairs subsequently made to SBC asset **55-22B-01**

Cayton Bay

SBC Reference	NFCDD Ref	Condition/Priority	Risk
59-24B-01	1221D901D1402C05	C 3	
60-24B-01	1221D901D1402C04	D 1	
60-24B-01	1221D901D1402C06	D 1	
58-24B-01	1221D901D1402C02	C 3	

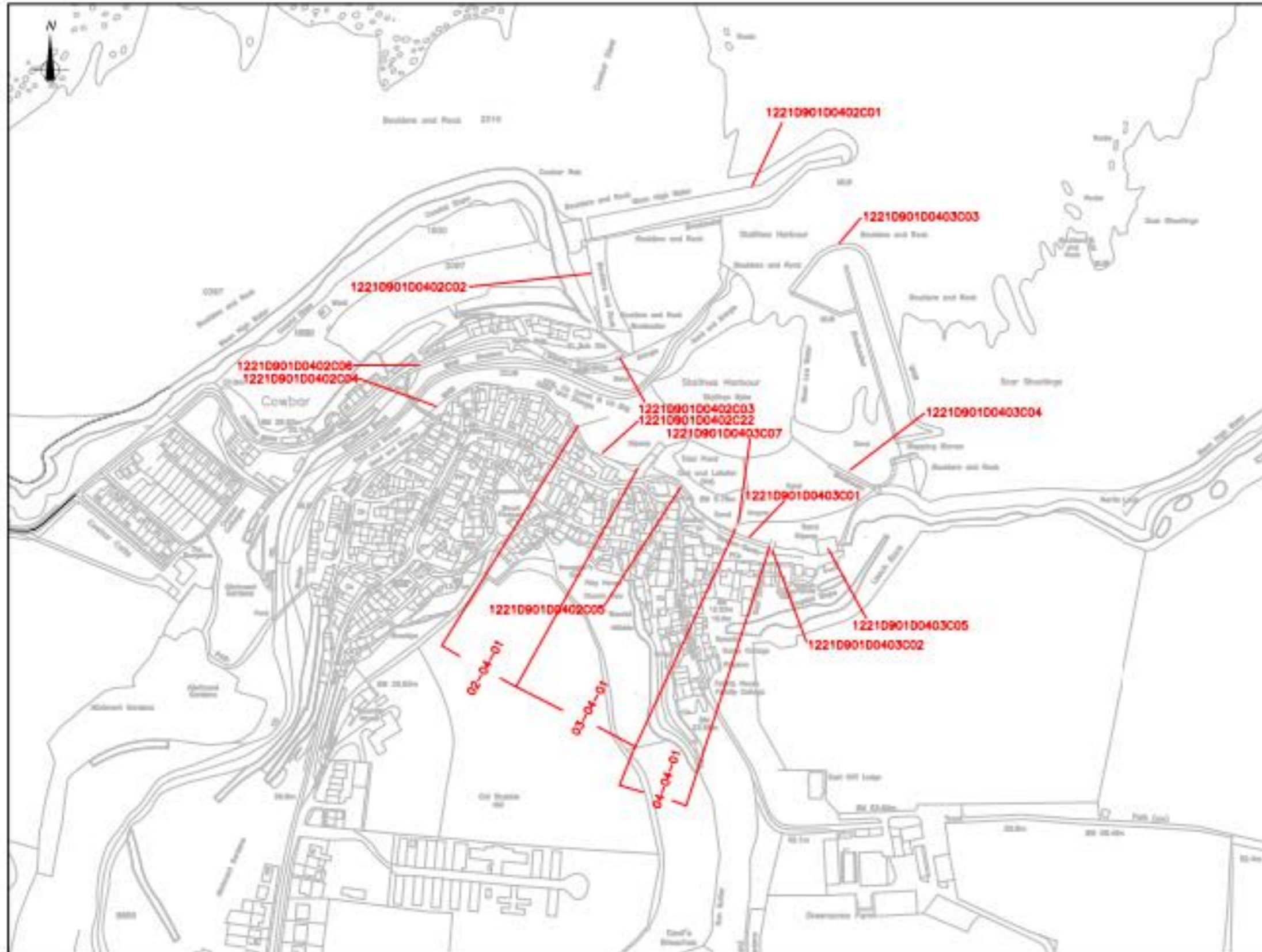
Filey

SBC Reference	NFCDD Ref	Condition/Priority	Risk
64-28A-02	1221D901D1601C03	C 2	
64-28A-01	1221D901D1601C03001	C 3	
N/A	1221D901D1602C09002	D 2	
N/A	1221D901D1602C09	C 2	
N/A	1221D901D1602C01	C 2	
67-28B-01	1221D901D1602C06	B 2	
67-28B-02	1221D901D1602C08001	B 3	
67-28B-03	1221D901D1602C08	B 2	
67-28B-04	1221D901D1602C03002	B 3	
67-28B-04	1221D901D1602C03003	B 3	
67-28B-05	1221D901D1602C03	C 3	
N/A	1221D901D1602C03001	C 3	
67-28B-06	1221D901D1602C04002	B 3	
67-28B-07	1221D901D1602C04	B 3	
67-28B-08	1221D901D1602C04001	B 3	
67-28B-09	1221D901D1602C07	B 3	
67-28B-10	1221D901D1602C05001	B 3	
67-28B-11	1221D901D1602C05	B 3	
N/A	1221D901D1601C02	D 4	
67-28B-13	1221D901D1602C02	C 2	
N/A	1221D901D1601C02	D 4	
N/A	1221D901D1602C09001	B 4	
67-28B-12	1221D901D1602C02001	B 3	

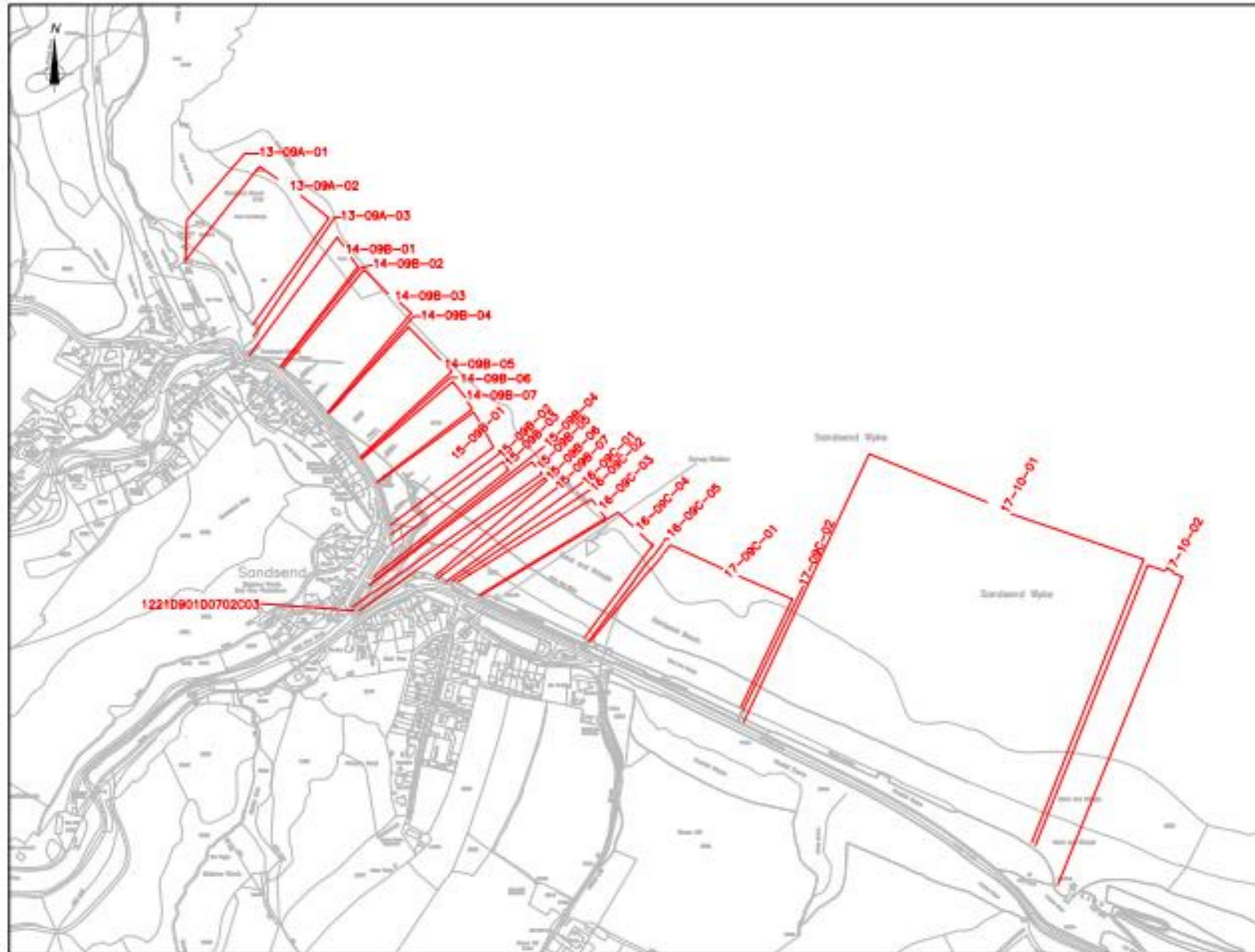
Appendix C - Asset Location Drawings

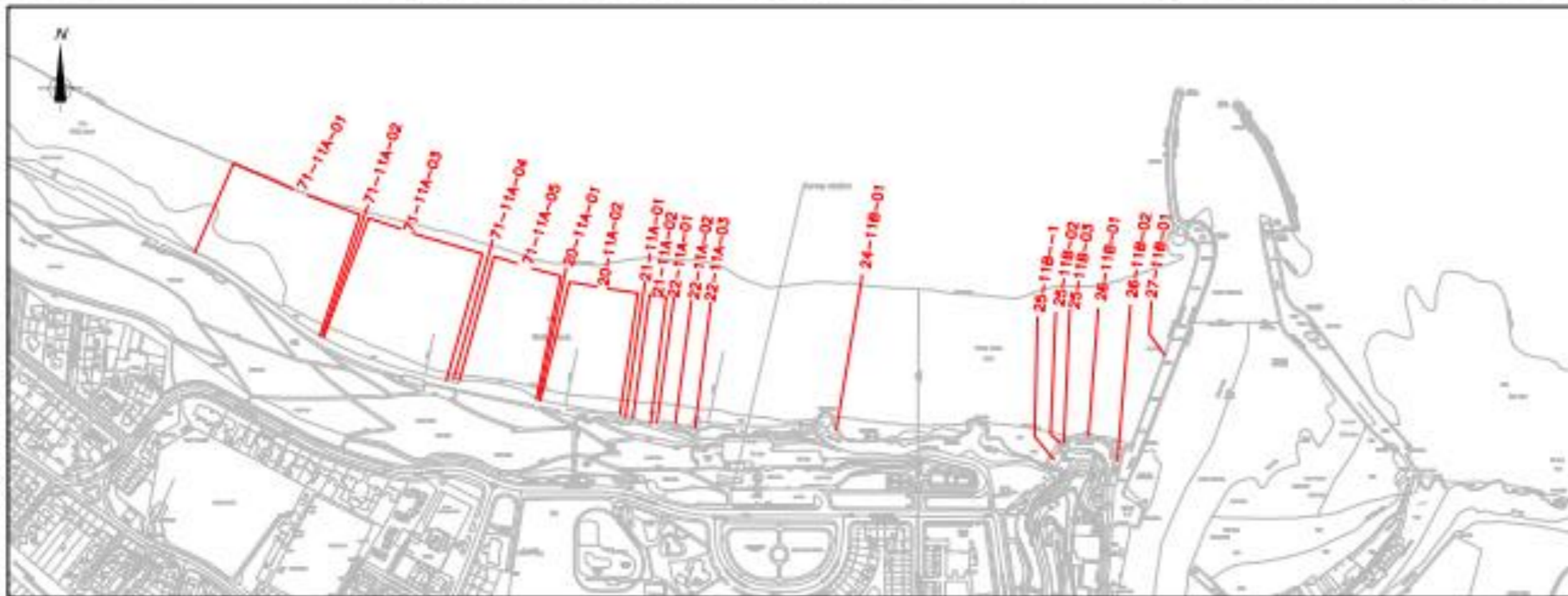
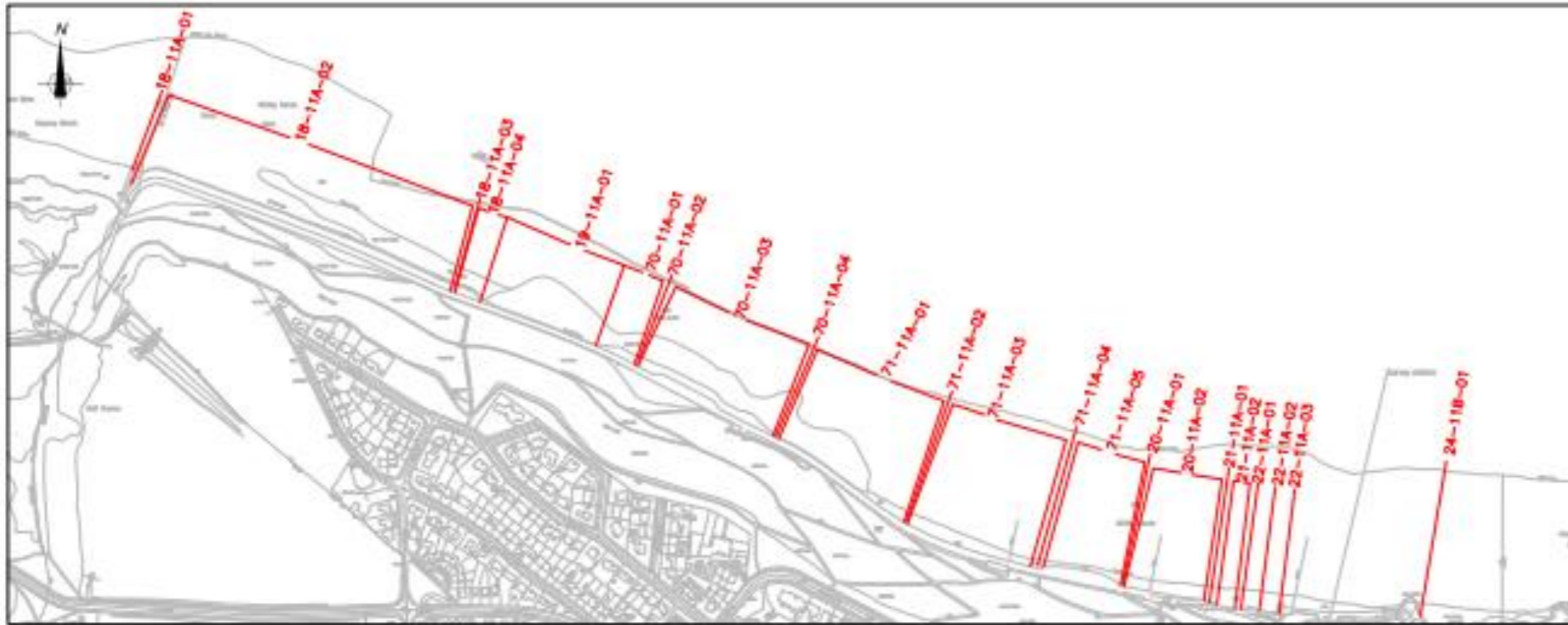
Drawing Numbers:

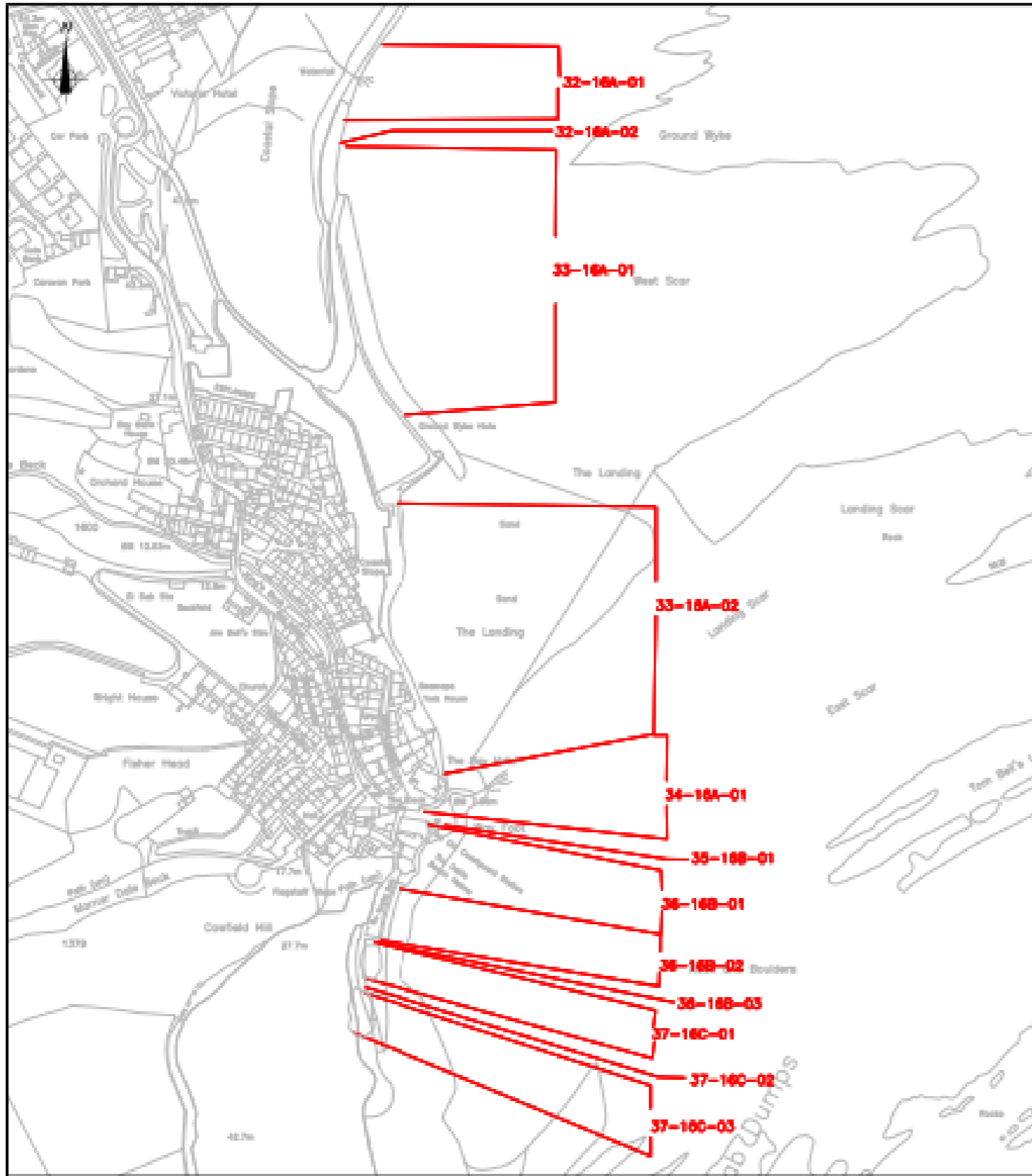
- 457730-01 – Staithes
- 457730-02 – Runswick Bay
- 457730-03 – Sansend
- 457730-04 – Whitby
- 457730-05 – Robin Hood's Bay
- 457730-06 – Scarborough North Bay and Holms and Castle Headland
- 457730-07 – Scarborough Harbour and South Bay
- 457730-08 – Cayton Bay and Filey



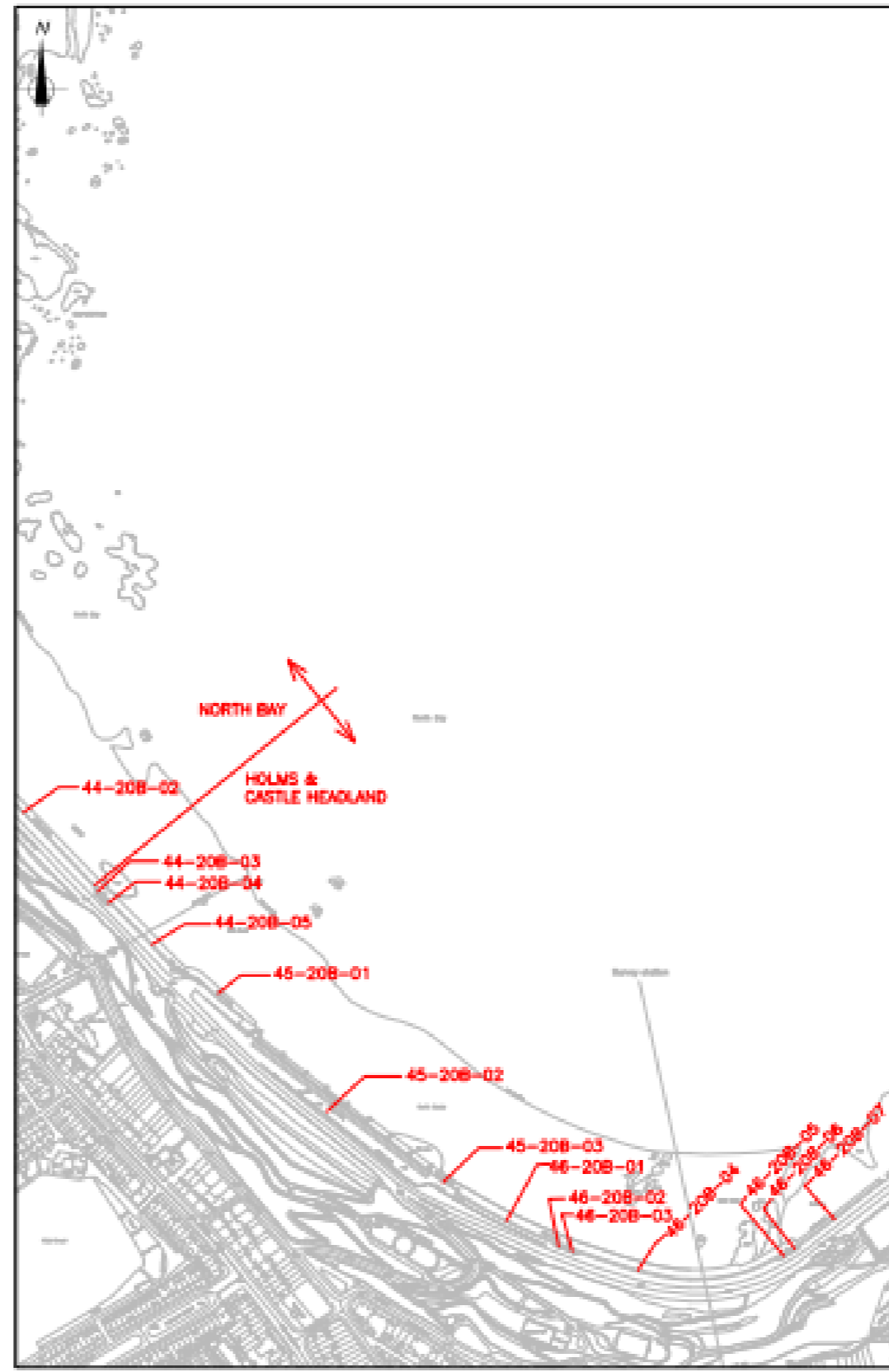
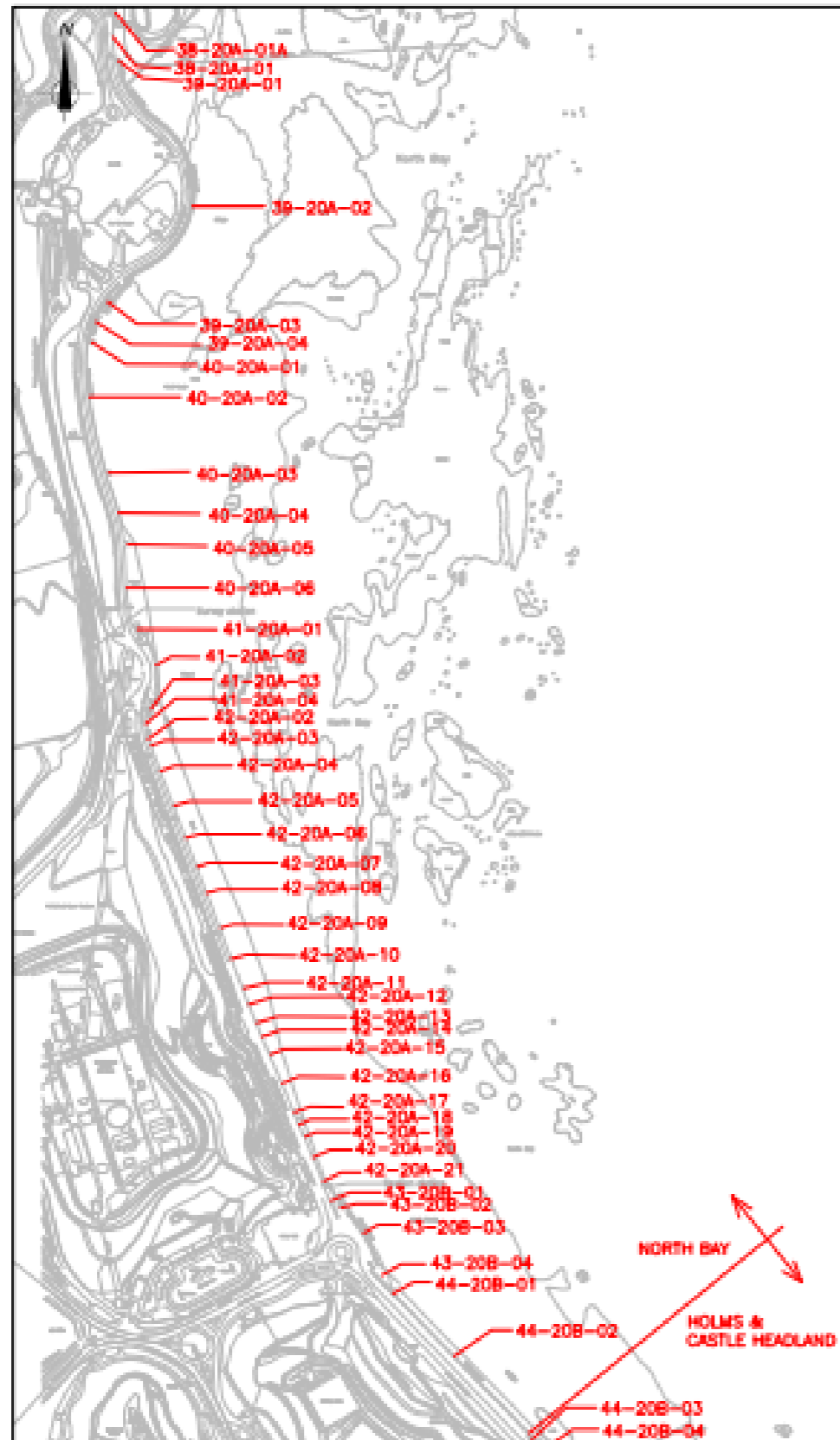




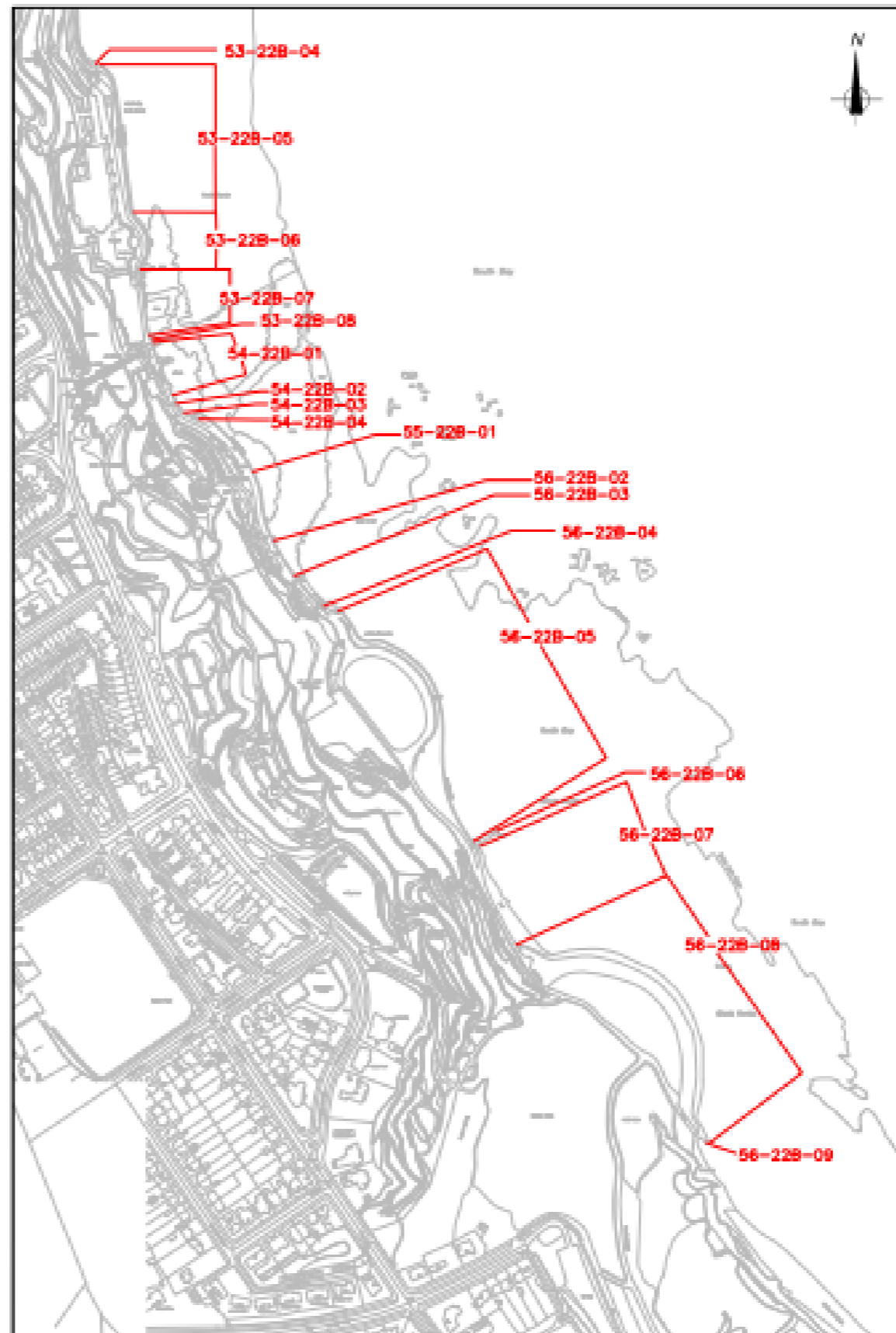
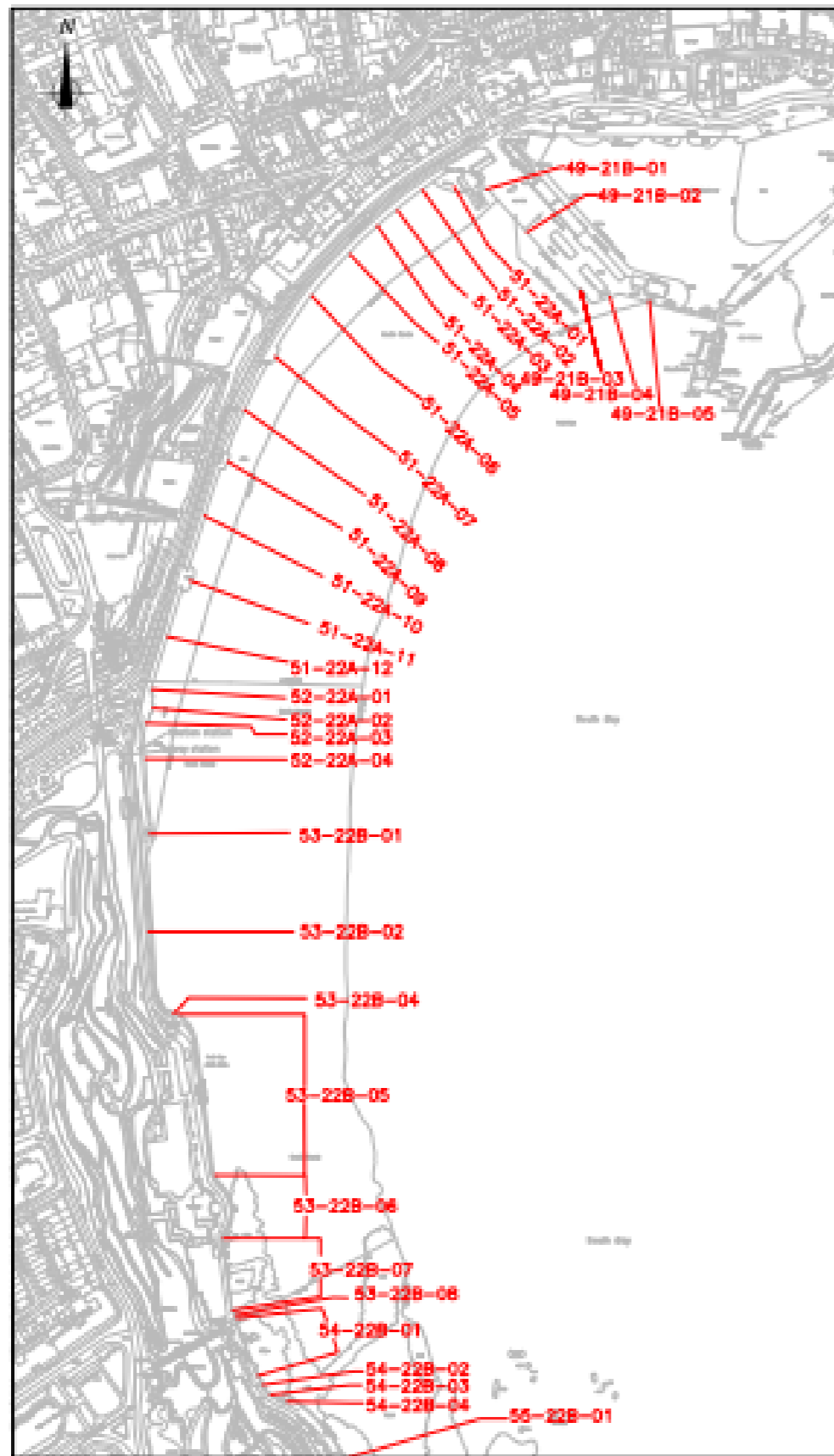


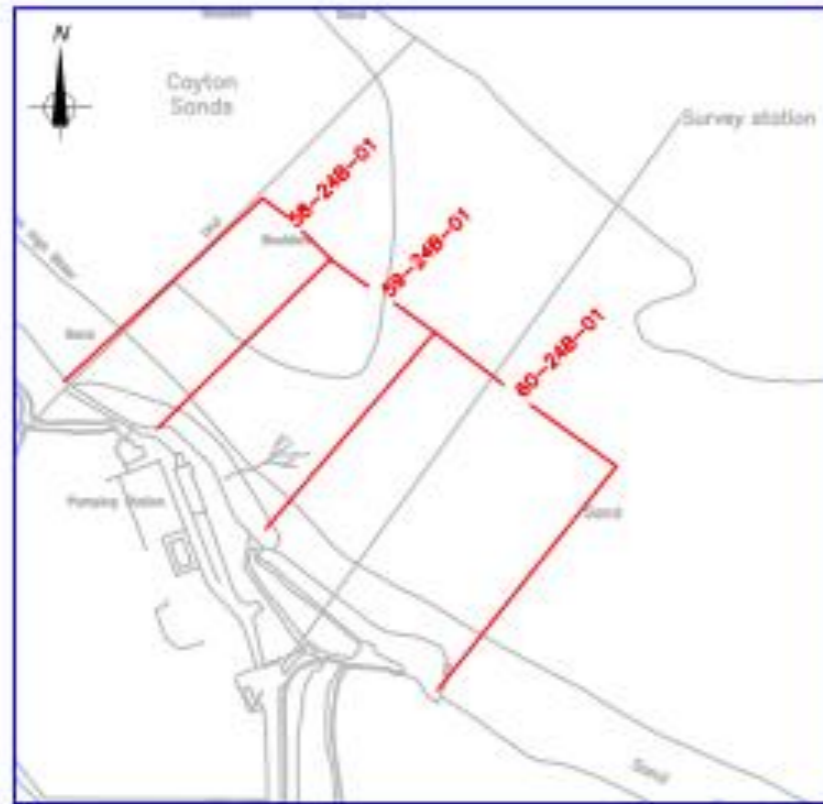


457730-06 – Scarborough North Bay and Holms and Castle Headland



SCARBOROUGH NORTH BAY AND HOLMS AND CASTLE HEADLAND





CAYTON BAY
Scale 1:2500



FILEY
Scale 1:5000