Figure A110a - Bramley Moore: Coping Chainage 525 to 530m

A111 Chainage 530 to 535m

Figure A111 - Bramley Moore: Chainage 530 to 535m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole		Repair	x
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork		Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard	x	Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder	x	Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
530 to 533	Coping	0 to 0.5	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
530 to 533	Brickwork / Masonry	0.5 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in blocks or limited mortar loss from joints
530 to 535	Marine Growth	1.5 to 1.8	-	Minimal growth. Features remain visible
533 to 535	Repair	0 to 1.5	-	Concrete repair to brickwork/blockwork
532.5	Ladder	0 to 1.8	-	Ladder within recess. Fair condition, extensive corrosion and/or some damaged/bent rungs
530 to 535	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
530 to 535	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
532.5	Ladder	Corrosion	0 to 1.8	Progressive corrosion has lead to deep pitting and loss of thickness weakening the metal
533	Brickwork / Masonry	Loss of Bricks/Blocks	0.2 to 1.8	Holes in Brickwork / Masonry, likely left by historic fixings. Defects are cosmetic but have the potential to affect the walls integrity.
533 to 535	Repair	Impact Damage	0 to 0.3	Localised impact damage resulting in chipping/fragmentation of wall materials

Figure A111a - Bramley Moore: Coping Chainage 530 to 535m

A112 Chainage 535 to 540m

Figure A112 - Bramley Moore: Chainage 535 to 540m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole		Repair	x
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	x
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
535 to 535.5	Repair	0 to 1.5	-	Concrete repair to brickwork/blockwork
535.5 to 540	Coping	0 to 0.5	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
535.5 to 540	Brickwork / Masonry	0.5 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in blocks or limited mortar loss from joints
535 to 540	Marine Growth	1.5 to 1.8	-	Minimal growth. Features remain visible
535	Weephole / Outfall	1.5	D = 0.15m	Circular weephole/outfall. Good condition, some degradation but fully operable
535 to 540	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
537	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
535 to 535.5	Repair	Impact Damage	0 to 0.3	Localised impact damage resulting in chipping/fragmentation of wall materials
535 to 540	Coping	Loss of Mortar	0.4 to 0.5	Mortar loss to coping stone is limited to the surface. Defects are cosmetic only
535 to 540	Brickwork / Masonry	Loss of Mortar	0.5 to 0.8	Mortar loss to bricks/blocks is limited to the surface. Defects are cosmetic only
536	Brickwork / Masonry	Loss of Bricks/Blocks	0.2 to 1.8	Holes in Brickwork / Masonry, likely left by historic fixings. Defects are cosmetic but have the potential to affect the walls integrity.
535 to 537	Concrete	Cracking	0 (coping)	Minor cracking of concrete typical of shrinkage or thermal expansion. Cracks are non-structural

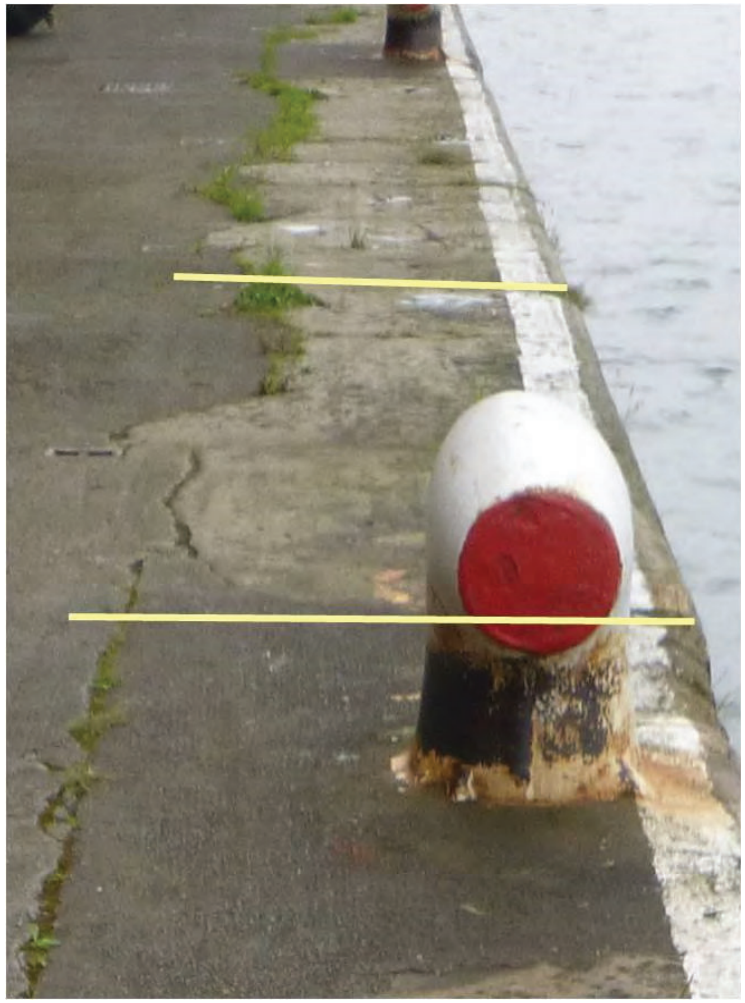

Figure A112a - Bramley Moore: Coping Chainage 535 to 540m

A113 Chainage 540 to 545m

BOAT PRESENT DURING WALL SURVEY

Figure A113 - Bramley Moore: Chainage 540 to 545m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat	x	Manhole		Repair	
Brickwork / Masonry		Marine Growth		Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
540 to 545	Boat	0 to 1.8	-	Boat present during survey. Wall obscured. Unable to assess condition
540 to 545	Coping	0 (coping)	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
540 to 545	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
540 to 545	Vegetation	0 (coping)	-	Minor growth. Features partially obscured. Vegetation does not affect structural integrity
541.5	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
540 to 545	Coping	Vegetation Damage	0 (coping)	Small and shallow rooted vegetation resulting in surface cracks and the early onset of mortar degradation

Figure A113a - Bramley Moore: Coping Chainage 540 to 545m

A114 Chainage 545 to 550m

BOAT PRESENT DURING WALL SURVEY

Figure A114 - Bramley Moore: Chainage 545 to 550m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat	x	Manhole		Repair	x
Brickwork / Masonry		Marine Growth		Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard	x	Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
545 to 550	Boat	0 to 1.8	-	Boat present during survey. Wall obscured. Unable to assess condition
545 to 549	Coping	0 (coping)	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
549 to 550	Repair	0 (coping)	-	Concrete repair to coping
545 to 550	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
545 to 550	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
549	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion
549.5	Mooring Bollard	0 (coping)	H = 0.8m	T-Shaped bollard embedded into coping. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
545 to 550	Coping	Vegetation Damage	0 (coping)	Small and shallow rooted vegetation resulting in surface cracks and the early onset of mortar degradation

Figure A114a - Bramley Moore: Coping Chainage 545 to 550m

A115 Chainage 550 to 555m

BOAT PRESENT DURING WALL SURVEY

Figure A115 - Bramley Moore: Chainage 550 to 555m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat	x	Manhole		Repair	x
Brickwork / Masonry		Marine Growth		Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
550 to 555	Boat	0 to 1.8	-	Boat present during survey. Wall obscured. Unable to assess condition
550 to 551.5	Repair	0 (coping)	-	Concrete repair to coping
551.5 to 555	Coping	0 (coping)	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
550 to 555	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
550 to 555	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
553	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
550 to 555	Coping	Vegetation Damage	0 (coping)	Small and shallow rooted vegetation resulting in surface cracks and the early onset of concrete degradation

Figure A115a - Bramley Moore: Coping Chainage 550 to 555m

A116 Chainage 555 to 560m

BOAT PRESENT DURING WALL SURVEY

Figure A116 - Bramley Moore: Chainage 555 to 560m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat	x	Manhole		Repair	
Brickwork / Masonry		Marine Growth		Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
555 to 560	Boat	0 to 1.8	-	Boat present during survey. Wall obscured. Unable to assess condition
555 to 560	Coping	0 (coping)	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
555 to 560	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
555 to 560	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
556 and 559.5	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
555 to 560	Coping	Vegetation Damage	0 (coping)	Small and shallow rooted vegetation resulting in surface cracks and the early onset of mortar degradation

Figure A116a - Bramley Moore: Coping Chainage 555 to 560m

A117 Chainage 560 to 565m

BOAT PRESENT DURING WALL SURVEY

Figure A117 - Bramley Moore: Chainage 560 to 565m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat	x	Manhole		Repair	
Brickwork / Masonry		Marine Growth		Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
560 to 565	Boat	0 to 1.8	-	Boat present during survey. Wall obscured. Unable to assess condition
560 to 565	Coping	0 (coping)	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
560 to 565	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
560 to 565	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
564	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
560 to 565	Coping	Vegetation Damage	0 (coping)	Small and shallow rooted vegetation resulting in surface cracks and the early onset of mortar degradation

Figure A117a - Bramley Moore: Coping Chainage 560 to 565m

A118 Chainage 565 to 570m

BOAT PRESENT DURING WALL SURVEY

Figure A118 - Bramley Moore: Chainage 565 to 570m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat	x	Manhole		Repair	
Brickwork / Masonry		Marine Growth		Sheet Piling	
Chain Post / Fencing		Metalwork		Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard	x	Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
565 to 570	Boat	0 to 1.8	-	Boat present during survey. Wall obscured. Unable to assess condition
565 to 570	Coping	0 (coping)	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
565 to 570	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
565 to 570	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
565.5	Mooring Bollard	0 (coping)	H = 0.8m	T-Shaped bollard embedded into coping. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
565 to 570	Coping	Vegetation Damage	0 (coping)	Small and shallow rooted vegetation resulting in surface cracks and the early onset of concrete degradation

Figure A118a - Bramley Moore: Coping Chainage 565 to 570m

A119 Chainage 570 to 575m

Figure A119 - Bramley Moore: Chainage 570 to 575m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole		Repair	
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
570 to 575	Coping	0 to 0.4	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
570 to 575	Brickwork / Masonry	0.4 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in bricks or limited mortar loss from joints
570 to 575	Marine Growth	1.5 to 1.8	-	Minor growth. Features partially obscured
570 to 575	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
570 to 573	Vegetation	0 (coping)	-	Minor growth. Features partially obscured. Vegetation does not affect structural integrity
571	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
571 to 575	Coping	Loss of Mortar	0.3 to 0.4	Mortar loss to coping stone is limited to the surface. Defects are cosmetic only
573 to 574	Brickwork / Masonry	Loss of Mortar	0.4 to 0.5	Mortar loss to bricks/blocks extends below surface and has the potential to weaken/loosen surrounding bricks/blocks
571 to 574	Brickwork / Masonry	Staining / Calcification	1.2 to 1.5	White staining concentrated around mortar joints indicative of early sulphate attack. May lead to future spalling and deterioration of mortar

Figure A119a - Bramley Moore: Coping Chainage 570 to 575m

A120 Chainage 575 to 580m

Figure A120 - Bramley Moore: Chainage 575 to 580m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole		Repair	x
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain	x	Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
575 to 579	Coping	0 to 0.5	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
575 to 579	Blockwork	0.5 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in blocks or limited mortar loss from joints
579 to 580	Repair	0 to 1.5	-	Concrete repair to brickwork/blockwork
575 to 580	Marine Growth	1.5 to 1.8	-	Minimal growth. Features remain visible
577.5	Mooring Chain	1.2 to 1.8	-	Fixed within recess. Fair condition, extensive corrosion with minor thickness loss and/or minor damage to links
575 to 580	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
575 to 580	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
579	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
575 to 579	Coping	Loss of Mortar	0.3 to 0.5	Mortar loss to coping stone is limited to the surface. Defects are cosmetic only
577 to 579	Brickwork / Masonry	Loss of Mortar	0.3 to 0.8	Mortar loss to bricks/blocks is limited to the surface. Defects are cosmetic only
577.5	Mooring Chain	Corrosion	1.2 to 1.8	Progressive corrosion has lead to deep pitting and loss of thickness weakening the metal

Figure A120a - Bramley Moore: Coping Chainage 575 to 580m

A121 Chainage 580 to 585m

Figure A121 - Bramley Moore: Chainage 580 to 585m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole		Repair	x
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork		Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard	x	Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	x
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
580 to 582	Repair	0 to 1.5	-	Concrete repair to brickwork/blockwork
582 to 585	Coping	0 to 0.5	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
582 to 585	Brickwork / Masonry	0.5 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in blocks or limited mortar loss from joints
580 to 585	Marine Growth	1.5 to 1.8	-	Minimal growth. Features remain visible
582	Weephole / Outfall	1.5	D = 0.15m	Circular weephole/outfall. Good condition, some degradation but fully operable
580 to 585	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
580 to 585	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
581	Mooring Bollard	0 (coping)	H = 0.4m	Mooring bollard broken, derelict and beyond repair

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
582 to 583	Coping	Loss of Mortar	0.3 to 0.5	Mortar loss to coping stone is limited to the surface. Defects are cosmetic only
582 to 583	Brickwork / Masonry	Loss of Mortar	0.5 to 0.8	Mortar loss to bricks/blocks extends below surface and has the potential to weaken/loosen surrounding bricks/blocks
582	Brickwork / Masonry	Loss of Bricks/Blocks	0.2 to 2	Holes in Brickwork / Masonry, likely left by historic fixings. Defects are cosmetic but have the potential to affect the walls integrity.
581	Mooring Bollard	Collapse / Failure	0 (coping)	Mooring bollard has broken in two following impact or overloading. Remains are corroded

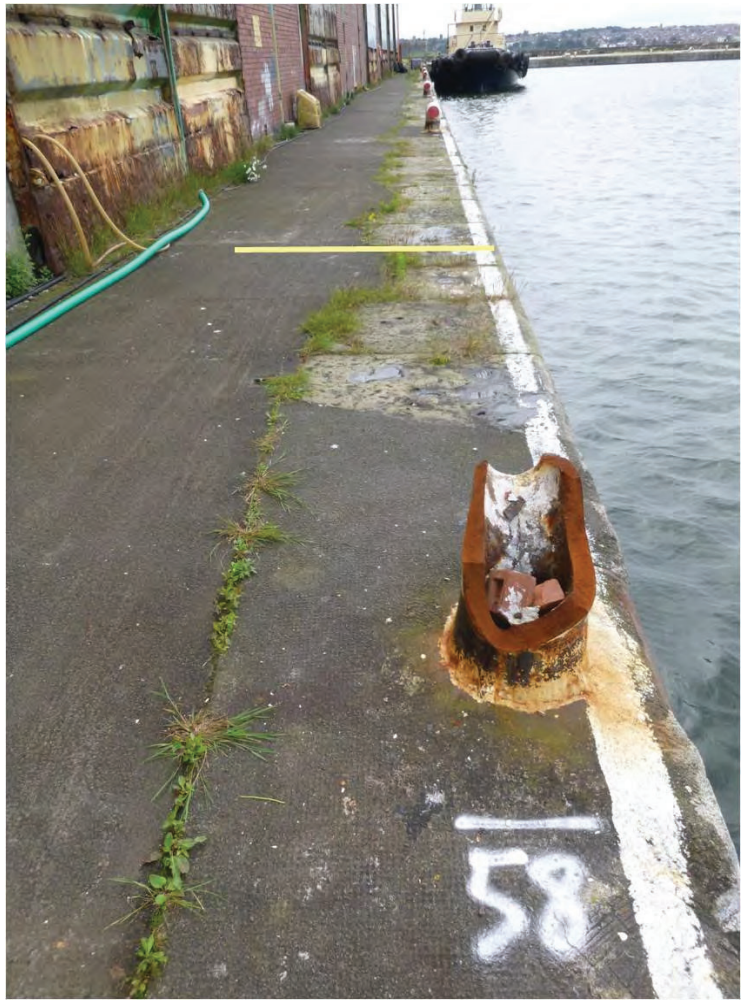

Figure A121a - Bramley Moore: Coping Chainage 580 to 585m

A122 Chainage 585 to 590m

Figure A122 - Bramley Moore: Chainage 585 to 590m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole		Repair	
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork		Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
585 to 590	Coping	0 to 0.5	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
585 to 590	Brickwork / Masonry	0.5 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in bricks or limited mortar loss from joints
585 to 590	Marine Growth	1.5 to 1.8	-	Minimal growth. Features remain visible
585 to 590	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
585 to 590	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
585 to 590	Coping	Loss of Mortar	0.3 to 0.5	Mortar loss to coping stone is limited to the surface. Defects are cosmetic only
589 to 590	Brickwork / Masonry	Loss of Mortar	0.5 to 0.8	Mortar loss to bricks/blocks extends below surface and has the potential to weaken/loosen surrounding bricks/blocks
589 to 590	Brickwork / Masonry	Cracking	0.5 to 1.5	Minor vertical cracking limited to mortar joints indicating potential onset of wall movement/settlement

Figure A122a - Bramley Moore: Coping Chainage 585 to 590m

A123 Chainage 590 to 595m

Figure A123 - Bramley Moore: Chainage 590 to 595m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole	x	Repair	
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
590 to 595	Coping	0 to 0.5	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
590 to 595	Brickwork / Masonry	0.5 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in bricks or limited mortar loss from joints
590 to 595	Marine Growth	1.5 to 1.8	-	Minimal growth. Features remain visible
590 to 595	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
590 to 595	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
590	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion
594.5	Manhole	0 (coping)	0.5 x 0.5m	Good - Localised surface corrosion with slight loss of thickness. Manhole housing remains sound

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
590 to 595	Coping	Vegetation Damage	0 (coping)	Small and shallow rooted vegetation resulting in surface cracks and the early onset of mortar degradation
591 to 593	Brickwork / Masonry	Staining / Calcification	1.3 to 1.5	White staining concentrated around mortar joints indicative of early sulphate attack. May lead to future spalling and deterioration of mortar

Figure A123a - Bramley Moore: Coping Chainage 590 to 595m

A124 Chainage 595 to 600m

Figure A124 - Bramley Moore: Chainage 595 to 600m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole		Repair	x
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork		Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard	x	Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	x
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
595 to 597.5	Repair	0 to 1.5	-	Concrete repair to coping
597.5 to 600	Coping	0 to 0.5	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
597.5 to 600	Brickwork / Masonry	0.5 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in blocks or limited mortar loss from joints
595 to 600	Marine Growth	1.5 to 1.8	-	Minimal growth. Features remain visible
595	Weephole / Outfall	1.5	D = 0.15m	Circular weephole/outfall. Good condition, some degradation but fully operable
595 to 600	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
595 to 600	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
596	Mooring Bollard	0 (coping)	H = 0.8m	T-Shaped bollard embedded into coping. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
597.5 to 600	Coping	Loss of Mortar	0.3 to 0.5	Mortar loss to coping stone is limited to the surface. Defects are cosmetic only
597.5 to 600	Brickwork / Masonry	Loss of Mortar	0.5 to 0.8	Mortar loss to bricks/blocks is limited to the surface. Defects are cosmetic only
597.5	Brickwork / Masonry	Loss of Bricks/Blocks	0.2 to 1.8	Holes in Brickwork / Masonry, likely left by historic fixings. Defects are cosmetic but have the potential to affect the walls integrity.

Figure A124a - Bramley Moore: Coping Chainage 595 to 600m

A125 Chainage 600 to 605m

Figure A125 - Bramley Moore: Chainage 600 to 605m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole		Repair	
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
600 to 605	Coping	0 to 0.5	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
600 to 605	Brickwork / Masonry	0.5 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in blocks or limited mortar loss from joints
600 to 605	Marine Growth	1.5 to 1.8	-	Minimal growth. Features remain visible
600 to 605	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
600 to 605	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
602.5	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
598 to 600	Coping	Loss of Mortar	0.5	Mortar loss to coping stone is limited to the surface. Defects are cosmetic only
598 to 600	Brickwork / Masonry	Loss of Mortar	0.5 to 0.8	Mortar loss to bricks/blocks extends below surface and has the potential to weaken/loosen surrounding bricks/blocks

Figure A125a - Bramley Moore: Coping Chainage 600 to 605m

A126 Chainage 605 to 610m

Figure A126 - Bramley Moore: Chainage 605 to 610m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole		Repair	
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork	x	Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard		Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
605 to 610	Coping	0 to 0.5	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
605 to 610	Brickwork / Masonry	0.5 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in blocks or limited mortar loss from joints
605 to 610	Marine Growth	1.5 to 1.8	-	Minimal growth. Features remain visible
605 to 610	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
606 to 610	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
606	Metalwork	0 (coping)	0.1 x 0.1m	Metal fixing. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
606	Brickwork / Masonry	Loss of Bricks/Blocks	1.5	Loss of small group of bricks/blocks. Defects are cosmetic but have the potential to affect the walls integrity
608 to 610	Coping	Loss of Mortar	0.5	Mortar loss to coping stones extends below surface and has the potential to weaken/loosen surrounding bricks/blocks
608 to 610	Brickwork / Masonry	Loss of Mortar	0.5 to 1	Mortar loss to bricks/blocks is significant resulting in loosening of bricks/blocks
609.5	Brickwork / Masonry	Loss of Bricks/Blocks	1.5	Holes in blockwork, likely left by historic fixings. Defects are cosmetic but have the potential to affect the walls integrity.

Figure A126a - Bramley Moore: Coping Chainage 605 to 610m

A127 Chainage 610 to 615m

Figure A127 - Bramley Moore: Chainage 610 to 615m

Inspection Date & Time	12th -13th July 2017
Weather Conditions	Warm & Sunny
Water Conditions	Impounded Water
Wall Height (m) [Crest Level / Water Level mOD]	1.8m [+6.6mOD / +4.8mOD]

Features

Features	Present	Features	Present	Features	Present
Anchor		Lock Gate		Recess	
Boat		Manhole		Repair	x
Brickwork / Masonry	x	Marine Growth	x	Sheet Piling	
Chain Post / Fencing		Metalwork		Steps	
Cobbles		Miscellaneous		Timber	
Concrete	x	Mooring Bollard	x	Vegetation	x
Coping	x	Mooring Chain		Weephole / Outfall	x
Fender		Mooring Ring		-	
Hand railing / Fence		Obstruction		-	
Ladder		Opening / Vault		-	

Overall Condition Rating

Overall Assessment	**2**	**Good**

Features / Condition

Chainage (m)	Feature	Level (m from top)	Dimensions (m)	Description
610 to 612.5	Repair	0 to 1.5	-	Concrete repair to brickwork/blockwork
612.5 to 615	Coping	0 to 0.5	-	Good - Minor cracks created by minor movement. Surface defects in coping or limited mortar loss from joints
612.5 to 615	Brickwork / Masonry	0.5 to 1.8	-	Good - Minor cracks created by minor movement. Surface defects in bricks or limited mortar loss from joints
610 to 615	Marine Growth	1.5 to 1.8	-	Minimal growth. Features remain visible
612.5	Weephole / Outfall	1.5	D = 0.15m	Circular weephole/outfall. Good condition, some degradation but fully operable
610 to 615	Vegetation	0 (coping)	-	Minimal growth. Features remain visible. Vegetation does not affect structural integrity
610 to 615	Concrete	0 (coping)	-	Good - Structurally sound but with minor cracks and localised honeycombing/flaking with no significant defects
611.5	Mooring Bollard	0 (coping)	H = 0.8m	T-Shaped bollard embedded into coping. Good condition, localised surface corrosion

Defects

Chainage (m)	Feature	Defect	Level (m from top)	Description
612.5	Brickwork / Masonry	Loss of Bricks/Blocks	0 to 1.8	Holes in blockwork, likely left by historic fixings. Defects are cosmetic but have the potential to affect the walls integrity.
612.5 to 615	Coping	Loss of Mortar	0.3 to 0.5	Mortar loss to coping stone is limited to the surface. Defects are cosmetic only
612.5 to 615	Brickwork / Masonry	Loss of Mortar	0.5 to 1	Mortar loss to bricks/blocks is significant resulting in loosening of bricks/blocks