



AQUIND Limited

APPENDIX 19.1

Baseline Data

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APPENDIX 19.1 BASELINE ENVIRONMENT DATA

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APPENDIX 19.1 BASELINE ENVIRONMENT DATA

1.1.1.1 This Appendix provides the supporting baseline environment data for PEIR Chapter 19 Water Resources and Flood Risk.

1.1.2 DESIGNATED SITES

Table 1 – Designated Sites within 0.5 km of the Site

Designation	Name	Location relative to Site	Linkage to Site (where relevant)
<u>Converter Station – Section 1</u>			
No relevant Designated Sites in Section 1			
<u>Cable Route – Section 2 to Section 9</u>			
SSSI / SPA / Ramsar site	Langstone Harbour	Within Section 7 and adjacent to Section 8	Hydrological linkage from section 7 where it crosses Broom Channel which forms part of Langstone Harbour
SAC	Solent Maritime	Within Section 7 and adjacent to Section 8	Hydrological linkage from section 7 where it crosses Broom Channel which forms part of Solent Maritime
SPA / Ramsar site	Chichester Harbour	Within Section 7 and adjacent to Section 8	Hydrological linkage from section 7 where it crosses Broom Channel which forms part of Chichester Harbour
Landfall – Section 10			
SSSI / SPA / Ramsar site	Langstone Harbour	At closest point. Approximately 200m north east of section 10	Hydrological linkage from section 7 where it crosses Broom Channel which forms part of Langstone Harbour
SAC	Solent Maritime	At closest point.	Hydrological linkage from section 7 where it crosses Broom Channel

Designation	Name	Location relative to Site	Linkage to Site (where relevant)
		Approximately 200m north east of section 10	which forms part of Solent Maritime
SPA / Ramsar site	Chichester Harbour	At closest point. Approximately 200m north east of section 10	Hydrological linkage from section 7 where it crosses Broom Channel which forms part of Chichester Harbour

1.1.3

SITE TOPOGRAPHY

Table 2 – Summary of Topography within Site Boundary

Section	Overview	Typical Elevations
1	Section 1 is the most northern section of the study area and located approximately 400 m south of a ridge/ spur of the South Downs. Within section two minor draws fall towards the south and converge at the southern end of section.	North approximately 100 m above Ordnance Datum Newlyn (AODN) dropping to 60 m AODN at the south, 40 m elevation drop over 1 km (1 in 25 = 4%).
2	The draw develops into valley and continues dropping south throughout section.	North approximately 60 m AODN dropping to approximately 40 m AODN at the south, 20 m elevation drop over 1.2 km (1 in 60 = 1.6%).
3	Now below the South Downs a more defined valley forms from north to south with a number of draws heading towards the valley.	North approximately 41 m AODN dropping to 37 m AODN at the south, 4 m elevation drop over 0.75 km (1 in 187.5 = 0.5%).
4	Within section 4 from north to south the study area passing across a small ridge (1) at 42 m AODN, followed by two shallow valleys at 37 m and 36	1) Ridge (1 in 40 = 2.5%) 2) Hill (1 in 60 = 1.6%) 3) Hill/ ridge (1 in 200 = 5%)

Section	Overview	Typical Elevations
	m AODN respectively, the route then passes over a hill (2) at 61 m AODN followed by a valley at 38m AODN. The study area then follows a spur up a hill/ ridge (3) of Port Downs at a high of approximately 90m AODN.	
5	The study area then follows the hill down towards the coast.	North approximately 90 m AODN dropping to 4 m AODN at the south, 86 m drop over 2 km (1 in 23.3 = 4.3%)
6	Section typically low lying with minor level variations.	Levels range between 1 m and 9 m AODN
7	Section typically low lying with minor level variations.	Levels range between 0 m and 10 m AODN
8	Section typically low lying with minor level variations.	Levels range between 0 m and 6 m AODN
9	Section typically low lying with minor level variations.	Levels range between 2 m and 6 m AODN
10	Section typically low lying with minor level variations.	Levels range between 3 m and 5 m AODN

1.1.4

LOCAL CHALK KARST SYSTEMS

Table 3 – Tracer testing in the Bedhampton and Havant Catchment (defined by the BGS)

Injection Site and Number	Detection Site	Distance (km)	Velocity (km/day)
Hazleton Wood / Hordean #32	Bedhampton Spring	5.8	2.6
	Havant Spring	6.0	2.1
Lovedean #26	Bedhampton Spring	6.3	2.7
	Havant Spring	6.6	3.2

Injection Site and Number	Detection Site	Distance (km)	Velocity (km/day)
Rowlands Castle #39	Bedhampton Spring	4.8	10.5
	Havant Spring	4.6	12.3
Hordean #41	Bedhampton Spring	5.8	9.1
	Havant Spring	5.7	4.0

Table 4 – Main geological and hydrogeological units

Geological Time	Geological Formation	Aquifer	EA Aquifer Classification	Cable Route Section Reference
Quaternary	Head Deposits	Superficial Aquifer	Secondary (Undifferentiated)	Section 2 to Section 5
	River Terrace Deposits		Secondary A aquifer	Section 5, Section 6 and Section 9
	Raised Marine Deposits		Secondary (Undifferentiated)	Section 7 and Section 8
Palaeogene	Wittering Formation	Bedrock Aquifer	Secondary A aquifer	Section 9 and Section 4
	London Clay Formation (Portsmouth Sand Member and Whitecliff Sand Member)			Section 9

Geological Time	Geological Formation	Aquifer	EA Aquifer Classification	Cable Route Section Reference
	London Clay Formation		Unproductive Strata	Section 9, Section 8, Section 4 and Section 3
	London Clay Formation (Bognor Sands Member)		Secondary A aquifer	Section 8 and Section 4,
	Lambeth Group		Secondary A aquifer	Section 8, Section 7, Section 4 and Section 3
Cretaceous	White Chalk Subgroup	Bedrock Aquifer	Principal aquifer	Section 7, Section 6, Section 5, Section 4 and Section 2

Table notes: Secondary A aquifers are capable of supporting water supplies and/or river base flow at a local rather than strategic scale.

Secondary (Undifferentiated) aquifers are designated as both minor and non-aquifer due to the variable characteristics of the rock type.

Principal aquifers are defined as having high intergranular and/or fracture permeability and usually provide a high level of water storage, capable of supporting water supplies and/or river baseflow at a regional or strategic scale.

Table 5 - Installation Summary

Borehole ID	Easting	Northing	Ground Level (m)	Total Depth (m)	Response Zone (mBGL)	Formation	Cable Route Section Reference
BH15A	467608	104896	1.22	20.0	2.0 – 6.0	Raised Marine Deposits / White Chalk Subgroup	Section 6
BH16	467647	104822	0.75	20.25	2.0 – 10.0	White Chalk Subgroup	Section 7
BH18	467642	104637	1.74	18.50	1.0 – 4.5	Raised Marine Deposits	Section 7
BH19	467321	103857	1.71	38.05	1.0 – 5.0	Raised Marine Deposits / White Chalk Subgroup	Section 7
BH33 s	467569	099675	4.02	30.0	1.0 – 8.0	River Terrace Deposits	Section 9

BH33 d					10.0 – 20.0	River Terrace Deposits	Section 9
BH34	467449	099459	4.09	16.80	1.0 – 3.0	Tidal Flat Deposits	Section 9
BH35	467437	103238	3.07	35.0	3.0 – 15.50	Beach Tidal Flat Deposits / White Chalk Subgroup	Section 7
BH36	467290	103633	2.41	30.0	1.0 – 4.5	Raised Marine Deposits	Section 7
BH39	467706	099811	3.90	16.50	1.0 – 5.0	River Terrace Deposits	Section 9

Table notes: comprehensive details of the ground investigation are provided in Chapter 18: Ground Conditions.

Table 6 - Records of Groundwater Level Monitoring (to date) for the Cable Route (Section 2 to Section 9)

Borehole ID	Elevation (mOD)	Rest Water Level (mOD)		
		27/11/2018	28/11/2018	30/11/2018
BH15A	1.22	0.42	0.55	NR
BH16	0.75	0.33	0.47	NR
BH18	1.74	0.35	0.62	NR
BH19	1.71	0.92	1.15	NR
BH33 s	4.02	2.93	3.14	NR
BH33 d		2.74	2.52	NR
BH34	4.09	1.64	1.61	1.62
BH35	3.07	1.17	1.24	NR
BH36	2.41	0.92	1.09	NR
BH39	3.90	1.60	1.60	NR

Table notes: NR denotes no record of groundwater level.

Table 7 - Groundwater Water Quality results

Parameter	Minimum	Maximum	UK DWS	UNIT
pH	6.7	7.8	<6.5 to >9.5	
Total Cyanide	40.0	40.0	50.0	µg/L
Ammoniacal Nitrogen	0.03	19.0	0.39	mg/L
Nitrate as NO3	1.6	31.0	50.0	mg/L
Nitrite as NO2	0.1	0.1	0.5	mg/L
Chloride	37.0	3300.0	250.0	mg/L
Sulphate as SO4	5.3	1000.0	250.0	mg/L
Arsenic*	0.4	8.9	10.0	µg/L
Cadmium*	0.03	0.07	5.0	µg/L
Chromium*	0.3	1.2	50.0	µg/L
Copper*	1.1	14.0	2000.0	µg/L
Lead*	0.09	2.1	10.0	µg/L
Mercury*	0.01	0.02	1.0	µg/L
Nickel*	1.3	16.0	20.0	µg/L
Zinc*	7.4	44.0	5000.0	µg/L
Table notes: * dissolved concentration.				

Table 8 – Installation Summary

Borehole ID	Easting	Northing	Ground Level (m)	Total Depth (m)	Response Zone (mBGL)	Formation
BH25	467856	099099	.44	31.40	2.0 – 5.6	Storm Beach Deposits
BH26	467856	099099	4.39	32.75	4.0 – 8.5	Storm Beach Deposits

Table 9 – Records of Groundwater Level Monitoring (to date)

Borehole ID	Elevation (mOD)	Rest Water Level (mOD) footers		
		27/11/2018	28/11/2018	30/11/2018
BH25	3.44	0.85	0.95	NR
BH26	4.39	NR	1.02	NR

Table notes: NR denotes no record of groundwater level.

Table 10 - Groundwater water quality results

Parameter	Minimum	Maximum	UK DWS	UNIT
pH	7.10	7.60	<6.5 to >9.5	pH units
Conductivity	14800.0	35600.0		µS/cm
Total Cyanide	40.0	40.0	50.0	µg/L
Ammoniacal Nitrogen	0.4	1.3	0.39	mg/L
Nitrate as NO3	NR	NR	50.0	mg/L
Nitrite as NO2	NR	NR	0.5	mg/L
Chloride	4000.0	11000.0	250.0	mg/L
Sulphate as SO4	700.0	1700.	250.0	mg/L
Arsenic*	0.8	1.6	10.0	µg/L
Cadmium*	0.04	0.1	5.0	µg/L
Chromium*	0.3	0.4	50.0	µg/L
Copper*	2.8	5.2	2000.0	µg/L
Lead*	0.1	0.3	10.0	µg/L
Mercury*	0.01	0.01	1.0	µg/L
Nickel*	2.0	6.1	20.0	µg/L
Zinc*	11.0	18.0	5000.0	µg/L

Table notes: * dissolved concentration.

1.1.5 SURFACE WATER FEATURES (CATCHMENTS, WATERCOURSES AND WATER QUALITY)

Table 11 - Summary of Watercourses within and adjacent to Study Area

	Watercourse	Easting, Northing (upstream end) Location Description	WFD Waterbody Catchment	WFD Downstream Catchment(s)
Section 1	No watercourses	n/a	Potwell Tributary	Wallington below Southwick > Portsmouth Harbour > Solent
	No watercourses	n/a		
Section 3	Kings Pond Pond	466742,111775 Drains into Soake Farm (North) and subsequently Mead End (Main River)		
	Soake Farm (North) Main River	466742,111775 Drains into Mead End (Main River)		
	Soake Farm (East)	466743,111272		

	Main River	Drains into Soake Farm (North) and subsequently Mead End (Main River)		
Section 4	Unnamed Watercourse Ordinary Watercourse	466761,110954 From Hambledon Road and drains west into Mead End		
	Old Park Farm Main River	467283,110491 From B2150 Hambledon Road south of Sickle Way Junction and drains south west to River Wallington		
	Unnamed Watercourse Ordinary Watercourse	467431,110332 From B2150 Hambledon Road at Charlesworth Drive Junction and drains south west to River Wallington.		
	Unnamed Watercourse	467841,109642		

	Ordinary Watercourse	From B2150 Hambledon Road south of Aston Road Junction and drains west to River Wallington.		
	No watercourse	n/a	Hermitage Stream	Langstone Harbour > Solent
	Unnamed Watercourse Ordinary Watercourse	467871,109362and 467861,108998 From A3 London Road (Network of drains surrounding Forest End housing)	Potwell Tributary	Wallington below Southwick > Portsmouth Harbour > Solent
	North Purbrook Heath (North) Main River	467228,107804 Watercourse passing east to west through Site Boundary under A3 London Road, drains west to River Wallington		
	North Purbrook Heath (South) Main River	467163,107702 From A3 London Road approximately 130 m south of Ladybridge Roundabout,		

		drains west to River Wallington		
Section 5	No watercourses	n/a	Not part of a river Waterbody catchment	Langstone Harbour > Solent
Section 6	No watercourses	n/a	Not part of a river Waterbody catchment	
Section 7	Farlington Marshes Gutter Ordinary Watercourse	467549,104721 From Eastern Road drains east to Farlington Marshes Gutter (Main River)	Not part of a river Waterbody catchment	
	Farlington Marshes Gutter Main River	467910,104963 From railway line drains into Langstone Harbour	Not part of a river Waterbody catchment	

	Ports Creek / Broom Channel	467400,104030 Under Eastern Road drains into Langstone Harbour	Langstone Harbour	Solent
Section 8	Great Salterns Drain Main River	467589,103978 Passes under Eastern Road and drains into Langstone Harbour	Not part of a river Waterbody catchment	Langstone Harbour > Solent
	Milton Common Ponds	467531,101029 and 467574,100917 and 467646,100653	Not part of a river Waterbody catchment	Langstone Harbour > Solent
Section 9	No watercourses	n/a	Not part of a river Waterbody catchment	Langstone Harbour > Solent
Section 10	No watercourses	n/a	Not part of a river Waterbody catchment	Solent

Table 12 – Summary of WFD Operational Catchments within or downstream of the Site Boundary

Catchment	Type/ Hydro-morphological designation	Overall Status (2016)	Ecological Status (2016)	Chemical Status (2016)
Potwell Tributary	River/ heavily modified	Moderate	Moderate	Good
Wallington below Southwick	River/ not designated artificial or heavily modified	Moderate	Moderate	Good
Hermitage Stream	River/ heavily modified	Moderate	Moderate	Good
Portsmouth Harbour	Transitional Water/ heavily modified	Moderate	Moderate	Good
Langstone Harbour	Transitional Water/ heavily modified	Moderate	Moderate	Good
Solent	Coastal Water/ heavily modified	Moderate	Moderate	Good

1.1.6

FLOOD DEFENCES

Table 13 – Summary of Flood Defences within and Adjacent to Site Boundary

Watercourse	Defence Type
Soake Farm (North)	High ground/ embankment
Soake Farm (East)	High ground/ embankment
Old Park Farm	High ground/ embankment
River Wallington (South)	High ground/ embankment
North Purbrook Heath (North)	Culvert
North Purbrook Heath (South)	High ground
Farlington Marshes Gutter	High ground
Great Salterns Drain	High ground
Langstone Harbour (Coastal Defences)	Embankment/ Revetment/ Wall/ Sheet Piled Wall (see Table 14)

Table 14 – Summary of Defence Schemes Completed and Proposed on Portsea Island

	Location	Status	Defence Type
North Portsea Island Phase 1	Anchorage Park	Completed 2016	<p>Earth embankment with rock revetment. New concrete parapet wall to southern side of Eastern Road bridge with new concrete revetment, steel sheet pile toe and concrete capping beam.</p> <p>Adjacent to Cable Route Section 7 of Site Boundary.</p>
North Portsea Island Phase 2	Milton Common	Completed 2016	<p>New set back earth embankments and new rock revetment along coastline.</p> <p>Adjacent to Cable Route Section 8 of Site Boundary.</p>
North Portsea Island Phase 4 (North)	Eastern Road	Proposed	<p>Road raising on un adopted access road to Kendall's Wharf; new raised earth embankment to tie in with Phase 1 works; Steel sheet pile wall landward of Kendall's Wharf; Concrete encasement of existing sea wall.</p> <p>Adjacent to Cable Route Section 7 of Site Boundary.</p>
North Portsea Island Phase 4 (Middle)	Eastern Road	Proposed	<p>New concrete sea wall with bearing piles and steel sheet pile toe with stepped revetment.</p> <p>Adjacent to Cable Route Section 8 of Site Boundary.</p>
North Portsea Island Phase 4 (South)	Eastern Road	Proposed	<p>New concrete sea wall with bearing piles and steel sheet pile toe with stepped revetment; short section of concrete encasement of existing sea wall.</p> <p>Adjacent to Cable Route Section 8 of Site Boundary.</p>

Southsea Schemes	Eastney Beach	Proposed	<p>Combination of defence raising, in the form of vertical sea defence, stepped revetment/ grass bund, beach management, rock armour, raised promenade.</p> <p>Most eastern section adjacent to Cable Route Section 10 of Site Boundary.</p>
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Table 15 – Summary of Coastal Flood Defence Formation around Portsea Island, Farlington Marshes and Ports Creek

Cable Route Section Reference	Location	Defence Type	Comment
North of Ports Creek			
Section 7	Mainland/landward perimeter of Farlington Marshes	Concrete revetment	maintained by the EA
Section 7	Mainland and west of Farlington Marshes	Concrete block revetment	maintained by Highways England (HE)
South of Ports Creek on Portsea Island (from railway bridge in north to Milton Common in south)			
Section 7 and 8	North of the island down to Milton Common	Mix of earth embankment/ rock revetment/ sea walls	PCC maintained
Section 7	Kendall's Wharf	Sea wall/ embankment	privately owned and maintained
Section 8	Great Salterns Quay	Pumped outfall	EA owned and operated pumping station that discharges surface water from the golf course, under

			the Eastern Road and through the seawall (the golf course itself acts as an attenuation structure for surface water)
From south end of Milton Common through Milton Lake and Lock Lake			
Section 9	Milton Common to Thatched House Pub Car Park east end	Sea wall/ brick structure	PCC maintained
Section 9	Thatched House Pub Car Park east end to Pub west boundary	Sea Wall	Privately Owned
Section 9	Thatched House Pub west boundary to most westerly point of Lock Lake	Made ground	(reclaimed landfill) with sporadic gabion baskets to provide erosion protection
Section 9 and 10	Most westerly point of Lock Lake to north end of Southsea Marina	Rip-rap armour	PCC maintained
Section 10	Southsea Marina	Sheet piled marina wall with rock armour frontage	PCC maintained
Langstone Harbour Entrance, Fort Cumberland and Eastney Beach			

Section 10	Langstone Harbour Entrance	Beach	PCC maintained
Section 10	Beach to Pier	Rock revetment	Southern Water (SW) maintained
Section 10	Pier to Caravan park (Fraser Battery)	mix of concrete revetment and seawall	Private ownership from Quinetiq
Section 10	Caravan Park and Eastney Beach	Beach	PCC maintained and forms part of a future proposed Southsea Capital Scheme

1.1.7

EXISTING SEWERS/ DRAINAGE

Table 16 – Summary of Sewage Network within and adjacent to Site Boundary

	Public Sewers
Converter Station	Closest public sewers located within Lovedean Lane located approximately 1 km east of Cable Route Section 1 of the Site Boundary.
Cable Route	Various assets located within Cable Route Section 2 to Cable Route Section 9 of the Site Boundary.
Landfall	Various assets located within Section 10 of the Site Boundary.

1.1.8 EXISTING POTABLE WATER NETWORK

Table 17 – Summary of Water Supply Network within and adjacent to the Site Boundary

	Water Supply Network
Converter Station	Water supply network located within Broadway Lane and supplying the Lovedean Sub Station located directly adjacent to Cable Route Section 1 of the Site Boundary.
Cable Route	Various assets located within Cable Route Section 2 to Cable Route Section 9 of the Site Boundary.
Landfall	Various assets located within Cable Route Section 10 of the Site Boundary.

1.1.9 EXISTING SOURCES OF FLOOD RISK

Table 18 – Summary of EA Product 4 Data – Still Water Levels

Year	Tide Level (mAODN*)	
	0.5% annual exceedance probability/1 in 200 Year (Flood Zone 3)	0.1% annual exceedance probability/1 in 1,000 Year (Flood Zone 2)
2015	3.2	3.4
2070	3.7	3.9
2115	4.4	4.5

Table 19 - Summary of Magnitude of Effect/ Probability of Flooding

Summary of Effect/ Probability of Flooding					
	Tidal	Fluvial	Surface Water	Reservoir	Groundwater
Converter Station (Section 1)					
Section 1	Negligible risk of flooding.	Flood Zone 1 Low risk of flooding.	1) Overland Flow path throughout Section 1, from north to south, which follows natural low spots within topography. Primarily low risk with isolated areas of Medium to High risk.	Not within maximum extent of reservoir flooding. Negligible Risk	Typically – None Bottom 200m - less than 25% Low and negligible risk
Cable Route (Section 2 to Section 9)					
Section 2	Negligible risk of flooding.	Flood Zone 1 Low risk of flooding.	1) Overland Flow path through site which follows natural low spots within topography.	Not within maximum extent of reservoir flooding.	Typically - less than 25%. Bottom 300m - 25% to 50%

			<p>Primarily low risk with isolated areas of medium risk.</p> <p>2) Convergence of overland flow paths to a low spot at Admore Road (valley of surrounding area) at southern boundary of section.</p> <p>Low, Medium to High risk.</p>	Negligible Risk	Low and medium risk
Section 3	Negligible risk of flooding.	<p>1) Soake Farm (North)</p> <p>Within flood zone 3 extent. High risk of flooding.</p> <p>2) Soake Farm (East)</p>	<p>1) Surface water flood risk located adjacent to Soake Farm (East) and Soake Farm (East) branches (Main Rivers) due to their natural low topography.</p>	<p>Not within maximum extent of reservoir flooding.</p> <p>Negligible Risk</p>	<p>Throughout – 25% to 50%</p> <p>Medium Risk</p>

		Within flood zone 3 extent. High risk of flooding.	Low, Medium to High risk.		
Section 4	Negligible risk of flooding.	<p>3 Main Rivers within Section with associated flood zone 2/3</p> <p>1) River Wallington (North)</p> <p>Within flood zone 2 extent. High risk of flooding.</p> <p>2) River Wallington (South)</p> <p>Within flood zone 3 extent high risk of flooding.</p>	<p>1) Soake Road/ Hambledon Road Junction located at head of unnamed Ordinary Watercourse due to natural valley within topography.</p> <p>Medium to High risk identified.</p> <p>2) Hambledon Road from Sunnymead Drive to Charlesworth Drive is locally within a valley which converges with Old Park Farm (Main River)</p> <p>Medium to High risk around upstream end</p>	<p>Risk associated to Purbrook Regulating Reservoir (grid reference SU6791508112).</p> <p>Owner: Southern Water Services Ltd.</p> <p>Lead Local Flood Authority: Hampshire.</p> <p>Low risk</p>	<p>First 1.2km -25% to 50%</p> <p>Next 1.1km – 50% to 75%</p> <p>Next 1.3km – less than 25%</p> <p>Next 1.1km – 25% to 50%</p> <p>Next 0.4km – less than 25%</p> <p>Final 1.4km – none</p> <p>Isolated areas of low, medium and high risk</p>

		<p>3) North Purbrook Heath</p> <p>Within flood zone 3 extent. High risk of flooding.</p>	<p>of Old Park Farm (Main River).</p> <p>3) Hambledon Road between Ashton Road and Houton Avenue Roundabout due to local low spot within carriageway in comparison to surrounding area.</p> <p>Medium to High risk however likely to be managed by highway drainage (see surface water section).</p> <p>4) London Road/ Rockville Drive Roundabout.</p> <p>Surface Water flood risk of Medium to High risk within carriageway.</p>		
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			<p>5) London Road/ LadyBridge Road Roundabout locally located within a valley.</p> <p>Surface Water flood risk mirrors same extent as Flood Zone 2 and 3.</p> <p>6) Along London Road from LadyBridge Road Roundabout up to Park Avenue due with road typically lower than surrounding land.</p> <p>Medium to High risk identified however likely to be managed by highway drainage (see surface water section).</p>		
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<p>Section 5</p>	<p>1) Negligible risk of flooding.</p> <p>2) Bottom 100m within Flood Zone 3</p> <p>High risk without consideration of flood defences (see tidal flood risk section)</p>	<p>Flood Zone 1</p> <p>Low risk of flooding.</p>	<p>No significant overland flow paths identified. However, some limited flooding along the roads.</p> <p>Low to Medium risk.</p>	<p>Risk Associated to Farlington No 9 (grid reference SU6813606107).</p> <p>Owner: Portsmouth Water Ltd.</p> <p>Lead Local Flood Authority: Portsmouth.</p> <p>Low risk</p>	<p>Throughout – None</p> <p>Negligible risk</p>
<p>Section 6</p>	<p>Typically Flood Zone 3</p> <p>High risk without consideration of Portsmouth City Council flood defences (see tidal flood risk section)</p>	<p>Flood Zone 1</p> <p>Low risk of flooding.</p>	<p>No significant overland flow paths identified.</p> <p>Low risk.</p>		<p>Throughout – None</p> <p>Negligible risk</p>

Section 7	<p>Typically Flood Zone 3</p> <p>High risk without consideration of flood defences (see tidal flood risk section)</p>	<p>Main River outlet to tidal environment flood zone 3.</p> <p>High risk of flooding.</p>	<p>No significant overland flow paths identified.</p> <p>Low risk.</p>		<p>Throughout – None</p> <p>Negligible risk</p>
Section 8	<p>Typically Flood Zone 3</p> <p>High risk without consideration of flood defences (see tidal flood risk section)</p>	<p>Main River outlet to tidal environment flood zone 3.</p> <p>High risk of flooding.</p>	<p>No significant overland flow paths identified.</p> <p>Low risk.</p>	<p>Not within maximum extent of reservoir flooding.</p> <p>Negligible Risk</p>	<p>Throughout – None</p> <p>Negligible risk</p>
Section 9	<p>Isolated low spots in Flood Zone 2/ 3</p> <p>Medium to high risk without consideration of flood defences (see tidal flood risk section)</p>	<p>Not applicable</p> <p>Low risk of flooding.</p>	<p>1) Bransbury Park and Road within Eastney is locally lower than the surrounding areas, with a fall towards Lock Lake (a natural inlet within Langstone Harbour).</p> <p>Low to medium risk.</p>	<p>Not within maximum extent of reservoir flooding.</p> <p>Negligible Risk</p>	<p>Throughout – None</p> <p>Negligible risk</p>
Landfall (Section 10)					

Section 10 Landfall	<p>Isolated low spots in Flood Zone 2/ 3</p> <p>Medium to high risk without consideration of flood defences (see tidal flood risk section)</p>	<p>Not applicable</p> <p>Very low risk of flooding.</p>	<p>No significant overland flow paths identified.</p> <p>Low risk.</p>	<p>Not within maximum extent of reservoir flooding.</p> <p>Negligible Risk</p>	<p>Throughout – None</p> <p>Low to negligible risk</p>
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