

Feature	Classification	Source
SPZ	No	What's in my backyard (EA website)
Aquifer Classification	Minor	Envirocheck
Vulnerability	U High	Envirocheck
EA PPPG rating	R4 (no objection subject to protective measures)	DMRB Vol 11 Sec 3 Part 10 2/7

Water Supply Abstractions			Economic Value
Location	Daily Abstraction	Use	People employed
NONE			

Soakaways	
Location	Daily Volume Discharged
NONE	

Risk of Impact of Pollution to Groundwater from Routine Runoff

Component Number		Weighting Factor	Property or Parameter	Low risk (Score 1)	Medium Risk (score 2)	High Risk (score 3)	Score Awarded	Value	Source
1	SOURCE	15	Traffic Density	<15,000 AADT	15,000-50,000 AADT	>50,000 AADT	2	28000	Estimate
			Rainfall Volume (annual averages)	<740mm	740-1060mm	>1060mm	2	791-850mm/y	http://www.meto.gov.uk/climate/uk/averages/19611990/tr/17.gif
2		15	Rainfall Intensity	Even (<35mm FEH 1 hour rainfall)	Uneven (35-47mm FEH 1 hour rainfall)	Concentrated (>47mm FEH 1 hour rainfall)	2	approx 46mm	from FEH software
3	PATHWAY	15	Soakaway Geometry	Continuous linear (eg ditch, grassed channel)	shallow soakaway (eg lagoon) serving low road area	Single point, deep serving high road area (>5,000 m ²)	2	Discharge to Egerton Stream	Drainage Report Owen Williams 262701/007
4		20	Unsaturated Zone	Depth to water table >15m and non aquifers	Depth to water table <15>5m	Depth to water table <5m	3	no info	assume worst case
5		20	Flow Type	Unconsolidated or non fractured consolidated deposits (ie predominantly intergranular flow)	Consolidated deposits (ie mixed fracture and intergranular flow)	Heavily consolidated sedimentary deposits, igneous and metamorphic rocks (dominated by fracture porosity)	1	Tunbridge Wells Sand and Wadhurst Clay	Description in BGS (1987). Geology of the Country around Hastings and Dungeness
6		7.5	Effective Grain Size	fine sand and below	coarse sand	Very coarse sand and above	1	Clay matrix	Borehole logs
7		7.5	Lithology	>15% clay minerals	<5->1% clay minerals	<1% clay minerals	1	Clay Matrix	Borehole logs

FINAL SCORE 215 Medium Risk
 LOW RISK OF IMPACT <150
 MEDIUM RISK OF IMPACT 150-250
 MEDIUM RISK OF IMPACT >250

Groundwater Sensitivity

Resource	Risk of Impact		
	Low	Medium	High
SP Zone 1	Large	Very Large	Very Large
SP Zone 2	Moderate	Large	Large
SP Zone 3	Slight	Moderate	Moderate
Major Aquifer	Moderate/Large	Large/Very Large	Large/Very large
Minor Aquifer	Slight	Moderate	Large
Non Aquifer	Slight	Slight	Moderate

OUTCOME: Moderate

Feature	Classification	Source
SPZ	No	What's in my backyard (EA website)
Aquifer Classification	Minor	Envirocheck
Vulnerability	Low	Envirocheck
EA PPPG rating	R4 (no objection subject to protective measures)	DMRB Vol 11 Sec 3 Part 10 2/7

Water Supply Abstractions		Economic Value	
Location	Daily Abstraction	Use	people employed
NONE			

Soakaways	
Location	Daily Volume Discharged
NONE	

Risk of Impact of Pollution to Groundwater from Routine Runoff

Component Number	Weighting Factor	Property or Parameter	Low risk (Score 1)	Medium Risk (score 2)	High Risk (score 3)	Score Awarded	Value	Source
1	15	Traffic Density	<15,000 AADT	15,000-50,000 AADT	>50,000 AADT	2	28000	Estimate
2 SOURCE	15	Rainfall Volume (annual averages)	<740mm	740-1060mm	>1060mm	2	791-850mm/y	http://www.meto.gov.uk/climate/uk/averages/19611990/rr/17.gif
		Rainfall Intensity	Even (<35mm FEH 1 hour rainfall)	Uneven (35-47mm FEH 1 hour rainfall)	(>47mm FEH 1 hour rainfall)	2	approx 46mm	from FEH software
3	15	Soakaway Geometry	Continuous linear (eg ditch, grassed channel)	Single point or shallow soakaway (eg lagoon) serving low road area	Single point, deep serving high road area (>5,000 m ²)	2	Discharge to Combe Haven	Drainage Report Owen Williams 262701/007
4	20	Unsaturated Zone	Depth to water table >15m and non aquifers	Depth to water table <15>5m	Depth to water table <5m	3	1 to 8.5m	Field values
5	20	Flow Type	Unconsolidated or non fractured consolidated deposits (ie predominantly intergranular flow)	Consolidated deposits (i.e. mixed fracture and intergranular flow)	Heavily consolidated sedimentary deposits, igneous and metamorphic rocks (dominated by fracture porosity)	1	Ashdown Beds	TQ71SW
6	7.5	Effective Grain Size	fine sand and below	coarse sand	very coarse sand and above	1	Clay matrix	BH01 & BH02
7 PATHWAY	7.5	Lithology	>15% clay minerals	<5>1% clay minerals	<1% clay minerals	1	Clay Matrix	BH01 & BH02

FINAL SCORE

215 Medium Risk

LOW RISK OF IMPACT <150	MEDIUM RISK OF IMPACT 150-250	MEDIUM RISK OF IMPACT >250
-------------------------	-------------------------------	----------------------------

Groundwater Sensitivity

Resource	Risk of Impact		
	Low	Medium	High
SP Zone 1	Large	Very Large	Very Large
SP Zone 2	Moderate	Large	Large
SP Zone 3	Slight	Moderate	Moderate
Major Aquifer	Moderate/Large	Large/Very Large	Large/Very large
Minor Aquifer	Slight	Moderate	Large
Non Aquifer	Slight	Slight	Moderate

OUTCOME: moderate

Feature	Classification	Source
SPZ	No	What's in my backyard (EA website)
Aquifer Classification	Minor	Envirocheck
Vulnerability	Intermediate	Envirocheck
EA PPPG rating	R4 (no objection subject to protective measures)	DMRB Vol 11 Sec 3 Part 10 2/7

Water Supply Abstractions		Economic Value	
Location	Daily Abstraction	Use	people employed
NONE			

Soakaways	
Location	Daily Volume Discharged
NONE	

Risk of Impact of Pollution to Groundwater from Routine Runoff

Component Number	Weighting Factor	Property or Parameter	Low risk (Score 1)	Medium Risk (score 2)	High Risk (score 3)	Score Awarded	Value	Source
1	15	Traffic Density	<15,000 AADT	15,000-50,000 AADT	>50,000 AADT	2	28000	Estimate
		Rainfall Volume (annual averages)	<740mm	740-1060mm	>1060mm	2	791-850mm/y	http://www.meto.gov.uk/climate/uk/averages/19611990/r/17.gif
2 SOURCE	15	Rainfall Intensity	Even (<35mm FEH 1 hour rainfall)	Uneven (35-47mm FEH 1 hour rainfall)	(>47mm FEH 1 hour rainfall)	2	approx 46mm	from FEH software
3	15	Soakaway Geometry	Continuous linear (eg ditch, grassed channel)	Single point or shallow soakaway (eg lagoon) serving low road area	Single point, deep serving high road area (>5,000 m ²)	2	Discharge to Watermill Stream	Drainage Report Owen Williams 262701/007
4	20	Unsaturated Zone	Depth to water table >15m and non aquifers	Depth to water table <15>5m	Depth to water table <5m	3	0 - 4m	Observed on site visit
5	20	Flow Type	Unconsolidated or non fractured consolidated deposits (ie predominatly intergranular flow)	Consolidated deposits (ie mixed fracture and intergranular flow)	Heavily consolidated sedimentary deposits, igneous and metamorphic rocks (dominated by fracture porosity)	1	Ashdown Beds	TQ71SE
6	7.5	Effective Grain Size	fine sand and below	coarse sand	very coarse sand and above	2	mudstone/fine and medium gravel (1 BH only) /clay	BH13 to BH16
7 PATHWAY	7.5	Lithology	>15% clay minerals	<5->1% clay minerals	<1% clay minerals	1	mudstone/Siltstone with slightly sandy fine and medium siltstone gravel/clay	BH13 to BH16

FINAL SCORE **222.5 Medium Risk**
 LOW RISK OF IMPACT <150 MEDIUM RISK OF IMPACT 150-250 MEDIUM RISK OF IMPACT >250

Groundwater Sensitivity

Resource	Risk of Impact		
	Low	Medium	High
SP Zone 1	Large	Very Large	Very Large
SP Zone 2	Moderate	Large	Large
SP Zone 3	Slight	Moderate	Moderate
Major Aquifer	Moderate/Large	Large/Very Large	Large/Very large
Minor Aquifer	Slight	Moderate	Large
Non Aquifer	Slight	Slight	Moderate

OUTCOME: moderate

Feature	Classification	Source
SPZ	No	What's in my backyard (EA website)
Aquifer Classification	Minor	Envirocheck
Vulnerability	Intermediate	Envirocheck
EA PPPG rating	R4 (no objection subject to protective	DMRB Vol 11 Sec 3 Part 10 2/7

Water Supply Abstractions		Economic Value	
Location	Daily Abstraction	Use	people employed
NONE			

Soakaways	
Location	Daily Volume Discharged
NONE	

Risk of Impact of Pollution to Groundwater from Routine Runoff

Component Number	Weighting Factor	Property or Parameter	Low risk (Score 1)	Medium Risk (score 2)	High Risk (score 3)	Score Awarded	Value	Source
1	15	Traffic Density	<15,000 AADT	15,000-50,000 AADT	>50,000 AADT	2	28000	Estimate
2 SOURCE	15	Rainfall Volume (annual averages)	<740mm	740-1060mm	>1060mm	2	791-850mm/y	http://www.meto.gov.uk/climate/uk/averages/19611990/rr/17.gif
		Rainfall Intensity	Even (<35mm FEH 1 hour rainfall)	Uneven (35-47mm FEH 1 hour rainfall)	(>47mm FEH 1 hour rainfall)	2	approx 46mm	from FEH software
3	15	Soakaway Geometry	Continuous linear (eg ditch, grassed channel)	Single point or shallow soakaway (eg lagoon) serving low road area	Single point, deep serving high road area (>5,000 m ²)	2	Discharge to Powder Mill Stream or flood plain	Drainage Report Owen Williams 262701/007
4	20	Unsaturated Zone	Depth to water table >15m and non aquifers	Depth to water table <15>5m	Depth to water table <5m	3	artesian-3.5m	Observed on site visit
5	20	Flow Type	Unconsolidated or non fractured consolidated deposits (ie predominantly intergranular flow)	Consolidated deposits (ie mixed fracture and intergranular flow)	Heavily consolidated sedimentary deposits, igneous and metamorphic rocks (dominated by fracture porosity)	1	Ashdown Beds	TQ71SE
6	7.5	Effective Grain Size	fine sand and below	coarse sand	very coarse sand and above	1	silt or clay some gravel	BH05 and BH06
7 PATHWAY	7.5	Lithology	>15% clay minerals	<5>1% clay minerals	<1% clay minerals	1	silt or clay some gravel	BH05 and BH06

FINAL SCORE 215 Medium Risk

LOW RISK OF IMPACT <150	MEDIUM RISK OF IMPACT 150-250	MEDIUM RISK OF IMPACT >250
-------------------------	-------------------------------	----------------------------

Groundwater Sensitivity

Resource	Risk of Impact		
	Low	Medium	High
SP Zone 1	Large	Very Large	Very Large
SP Zone 2	Moderate	Large	Large
SP Zone 3	Slight	Moderate	Moderate
Major Aquifer	Moderate/Large	Large/Very Large	Large/Very large
Minor Aquifer	Slight	Moderate	Large
Non Aquifer	Slight	Slight	Moderate

OUTCOME: moderate

Feature	Classification	Source
SPZ	No	What's in my backyard (EA website)
Aquifer Classification	Minor	Envirocheck
Vulnerability	Low	Envirocheck
EA PPPG rating	R4 (no objection subject to	DMRB Vol 11 Sec 3 Part 10 2/7

Water Supply Abstractions		Economic Value	
Location	Daily Abstraction	Use	people employed
NONE			

Soakaways	
Location	Daily Volume Discharged
NONE	

Risk of Impact of Pollution to Groundwater from Routine Runoff

Component Number	Weighting Factor	Property or Parameter	Low risk (Score 1)	Medium Risk (score 2)	High Risk (score 3)	Score Awarded	Value	Source
1	15	Traffic Density	<15,000 AADT	15,000-50,000 AADT	>50,000 AADT	2	28000	Estimate
2 SOURCE	15	Rainfall Volume (annual averages)	<740mm	740-1060mm	>1060mm	2	791-850mm/y	http://www.metogov.uk/climate/uk/averages/19611990/rrr/17.gif
		Rainfall Intensity	Even (<35mm FEH 1 hour rainfall)	Uneven (35-47mm FEH 1 hour rainfall)	(>47mm FEH 1 hour rainfall)	2	approx 46mm	from FEH software
3	15	Soakaway Geometry	Continuous linear (eg ditch, grassed channel)	Single point or shallow soakaway (eg lagoon) serving low road area	Single point, deep serving high road area (>5,000 m ²)	2	Discharge to Decoy Pond Stream	Drainage Report Owen Williams 262701/007
4	20	Unsaturated Zone	Depth to water table >15m and non aquifers	Depth to water table <15>5m	Depth to water table <5m	3	varies from 0.03 - 13.5	Observed on site visit
5	20	Flow Type	Unconsolidated or non fractured consolidated deposits (ie predominantly intergranular flow)	Consolidated deposits (ie mixed fracture and intergranular flow)	Heavily consolidated sedimentary deposits, igneous and metamorphic rocks (dominated by fracture porosity)	1	Ashdown Beds-Wadhurst Clay - Sandstones in Wadhurst Clay towards East	TQ71SE
6	7.5	Effective Grain Size	fine sand and below	coarse sand	very coarse sand and above	2	coarse sandstone gravel and sandstone bands to east	BH21 to BH31
7 PATHWAY	7.5	Lithology	>15% clay minerals	<5>1% clay minerals	<1% clay minerals	1	silt or clay some gravel	BH05 and BH06

FINAL SCORE 222.5 Medium Risk

LOW RISK OF IMPACT <150	MEDIUM RISK OF IMPACT 150-250	MEDIUM RISK OF IMPACT >250
-------------------------	-------------------------------	----------------------------

Groundwater Sensitivity

Resource	Risk of Impact		
	Low	Medium	High
SP Zone 1	Large	Very Large	Very Large
SP Zone 2	Moderate	Large	Large
SP Zone 3	Slight	Moderate	Moderate
Major Aquifer	Moderate/Large	Large/Very Large	Large/Very large
Minor Aquifer	Slight	Moderate	Large
Non Aquifer	Slight	Slight	Moderate

OUTCOME: moderate