

**ARSWL – 6 SITE CONDITION REPORT
FOR AQUAROD (Southwest) Limited - Tanker
Emptying Facility - Apex Site, Cardrew Way,
Cardrew Industrial Estate, Redruth, Cornwall
TR15 1SS**

1.0 SITE DETAILS	
Name of the applicant	AQUA ROD (SOUTH WEST) LIMITED
Activity address	Apex Site, Cardrew Way, Cardrew Industrial Estate, Redruth, Cornwall TR15 1SS
National grid reference	SW 70836 43534

Document reference and dates for Site Condition Report at permit application and surrender.	V1
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Document references for site plans (including location and boundaries)	Proposed Permitted Area within application documents
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Note:

In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- *Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.*
- *Locations of receptors, sources of emissions/releases, and monitoring points.*
- *Site drainage.*
- *Site surfacing.*

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

2.0 Condition of the land at permit issue	
Environmental setting including: <ul style="list-style-type: none"> • geology • hydrogeology • surface waters 	The site is located on the Apex Site, Cardrew Way, Cardrew Industrial Estate, Redruth, Cornwall TR15 1SS
Pollution history including: <ul style="list-style-type: none"> • pollution incidents that may have affected land • historical land-uses and associated contaminants • any visual/olfactory evidence of existing contamination • evidence of damage to pollution prevention measures 	Pollution incidents that may have affected land – No known from previous history historical land-uses and associated contaminants – the site has been used as a general industrial site with mixed uses and currently used as vehicle storage by the company No visual evidence of pollution on the floor.
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	No evidence has been provided to the client from the landlords of the property
Baseline soil and groundwater reference data	Not available
Supporting information	<ul style="list-style-type: none"> • Source information identifying environmental setting and pollution incidents • Historical Ordnance Survey plans • Site reconnaissance • Historical investigation / assessment / remediation / verification reports • Baseline soil and groundwater reference data

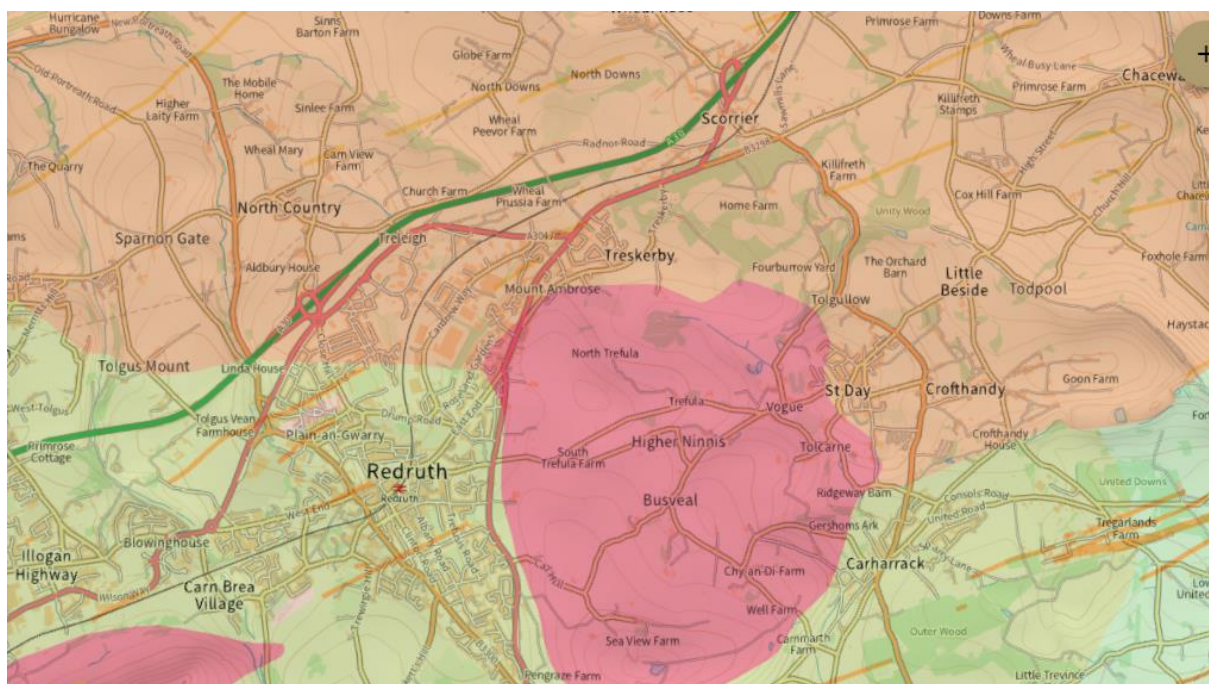
Environmental setting including:

- **geology**
- **hydrogeology**
- **surface waters**

Geology

The British Geological Survey website shows the site is located on Bedrock geology

Porthtowan Formation - Metamudstone and metasandstone. Metamorphic bedrock formed between 393.3 and 372.2 million years ago during the Devonian period.

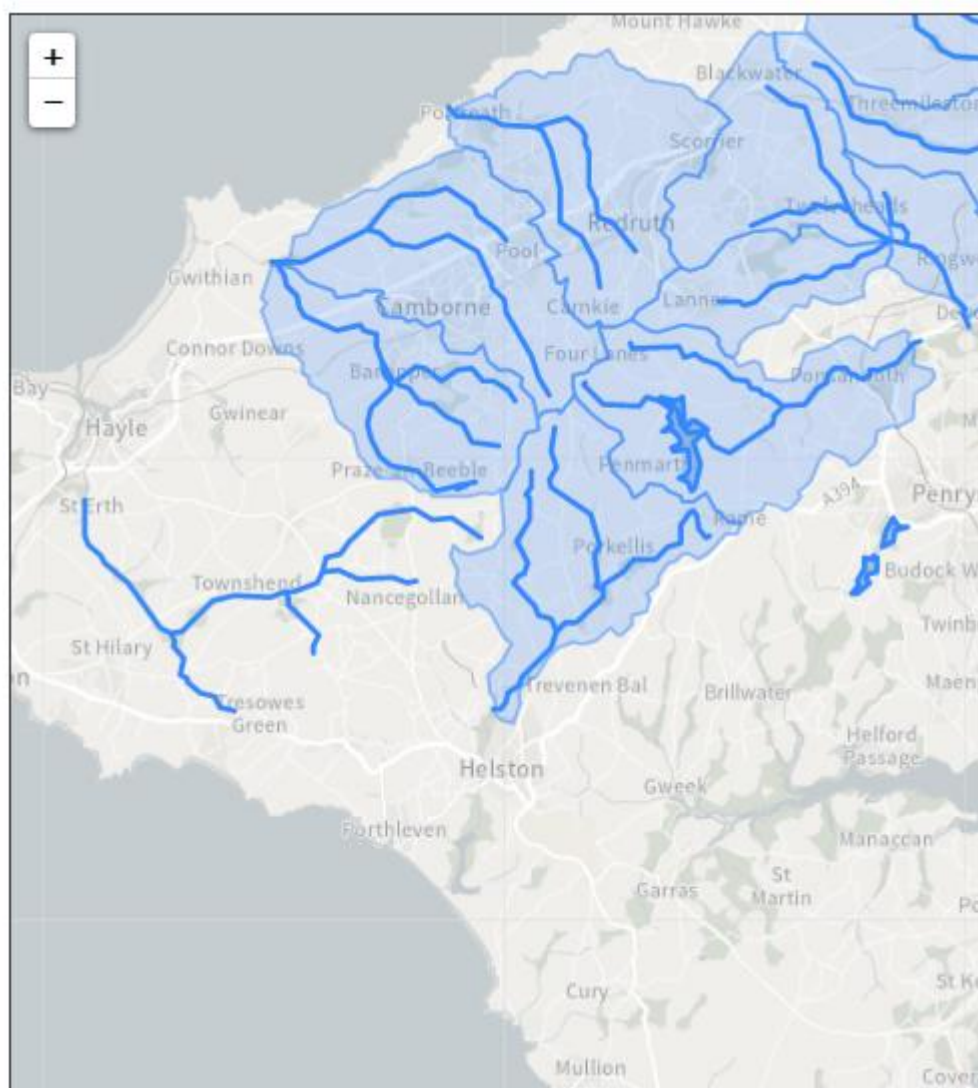


Surface Waters

River catchment taken from Environment Agency catchment Data Explorer

Site –

The site sits within the Portreath Stream Water Body as shown by the Environment Agency Catchment tool.



Hydrology

Map showing source protection zone, with the nearest being 4,000m> to the Southeast of the proposed site.



Records from the British Geological Society's (BGS) provided the following information taken from local vicinity –



NGRC
BOREHOLE RECORDS
ADJUSTMENT FORM

QUARTER SHEET SW74SW

BH REGISTRATION NUMBER 68-86

RECORDS ENTERED AND HELD BY WALLINGFORD

BH REGISTRATION NUMBER(S)



SW 7/22 4350

352/74

Public wells and springs in Gwent and Monmouthshire

2. Public wells, shallow aquifer

1" BGS 6" Gwent 65 11/8

Visited and noted on 12.10.1966

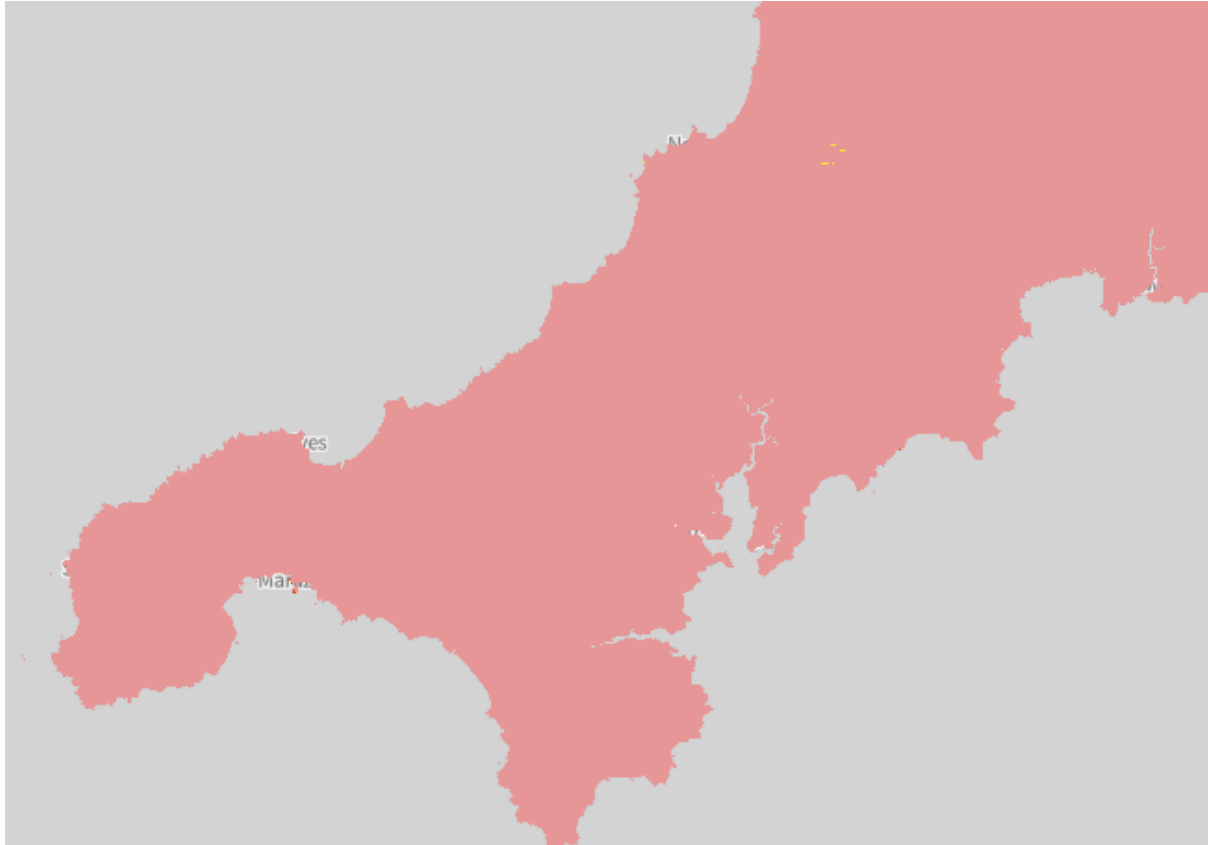
H.M.S. 8-1-30

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They show that the site is set on varying layers of slates.

Secondary (B) aquifer - Source Magic Map

The site is located within a secondary aquifer.



Pollution history including:

Pollution incidents that may have affected land
Historical land-uses and associated contaminants

Local Permitted Activities

The following information is taken from the Environment Agency Public Register for waste operations:

Name	Address	Site type	Permit Number	Distance (km)
MA012 LIMITED	49 Cardrew Way, Cardrew Way, Cardrew Industrial Estate, Redruth, Cornwall, TR15 1SS	A12 : Clinical Waste Transfer Station	DB3436AL	0.1
BIFFA WASTE SERVICES LIMITED	Redruth Waste Transfer Station, Cardrew Way, Redruth, Cornwall, TR15 1SS	A15 : Material Recycling Treatment Facility	GB3703GT	0.4

Any visual/olfactory evidence of existing contamination

The proposed permitted area is concrete. Existing drains have all been mapped and Assessed and those that will serve the proposed waste operation flow to the foul sewer.

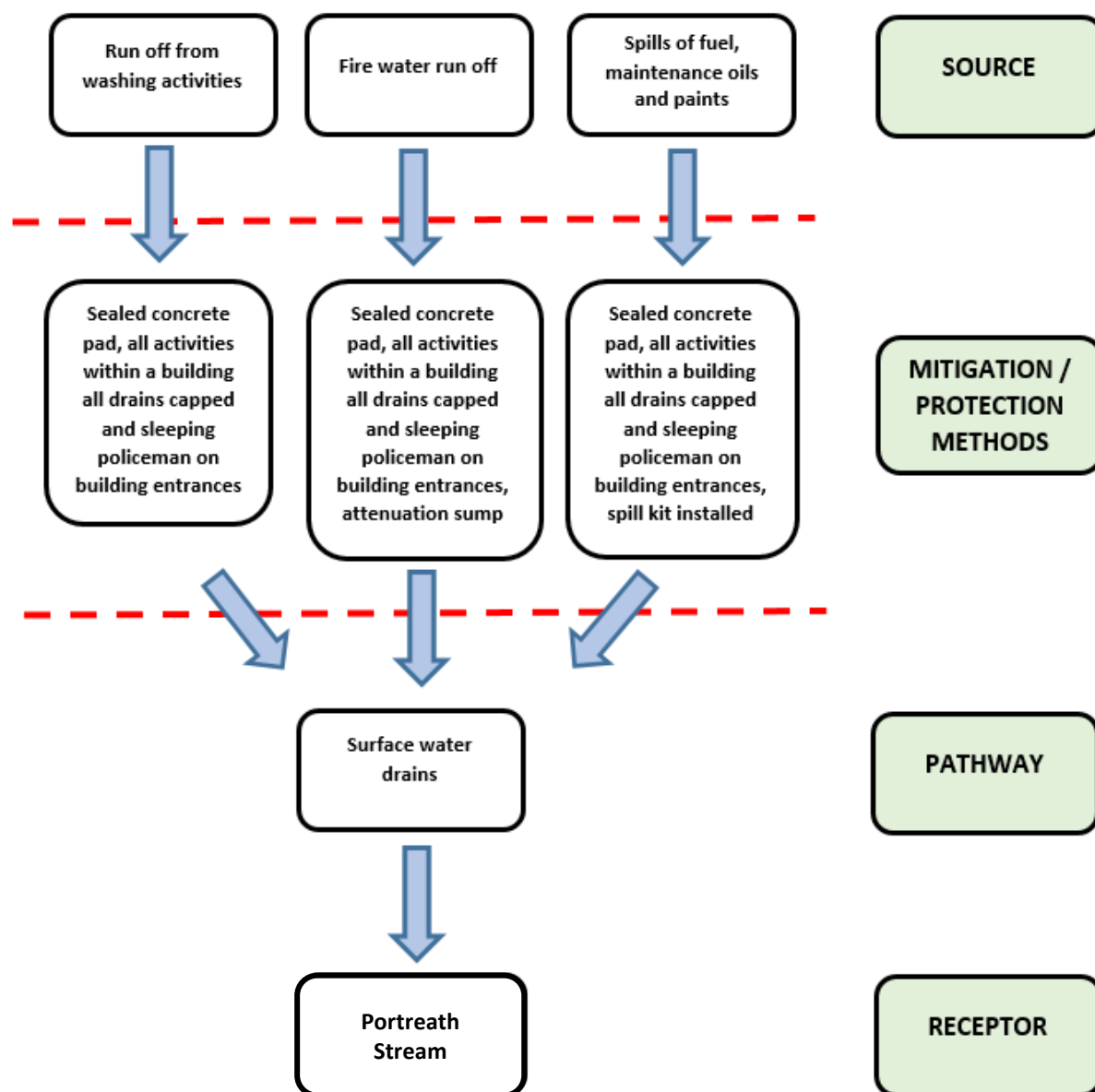
Evidence of damage to pollution prevention measures

The concrete pad forming part of the impermeable surface is not in place so cannot be assessed is intact and in excellent condition.

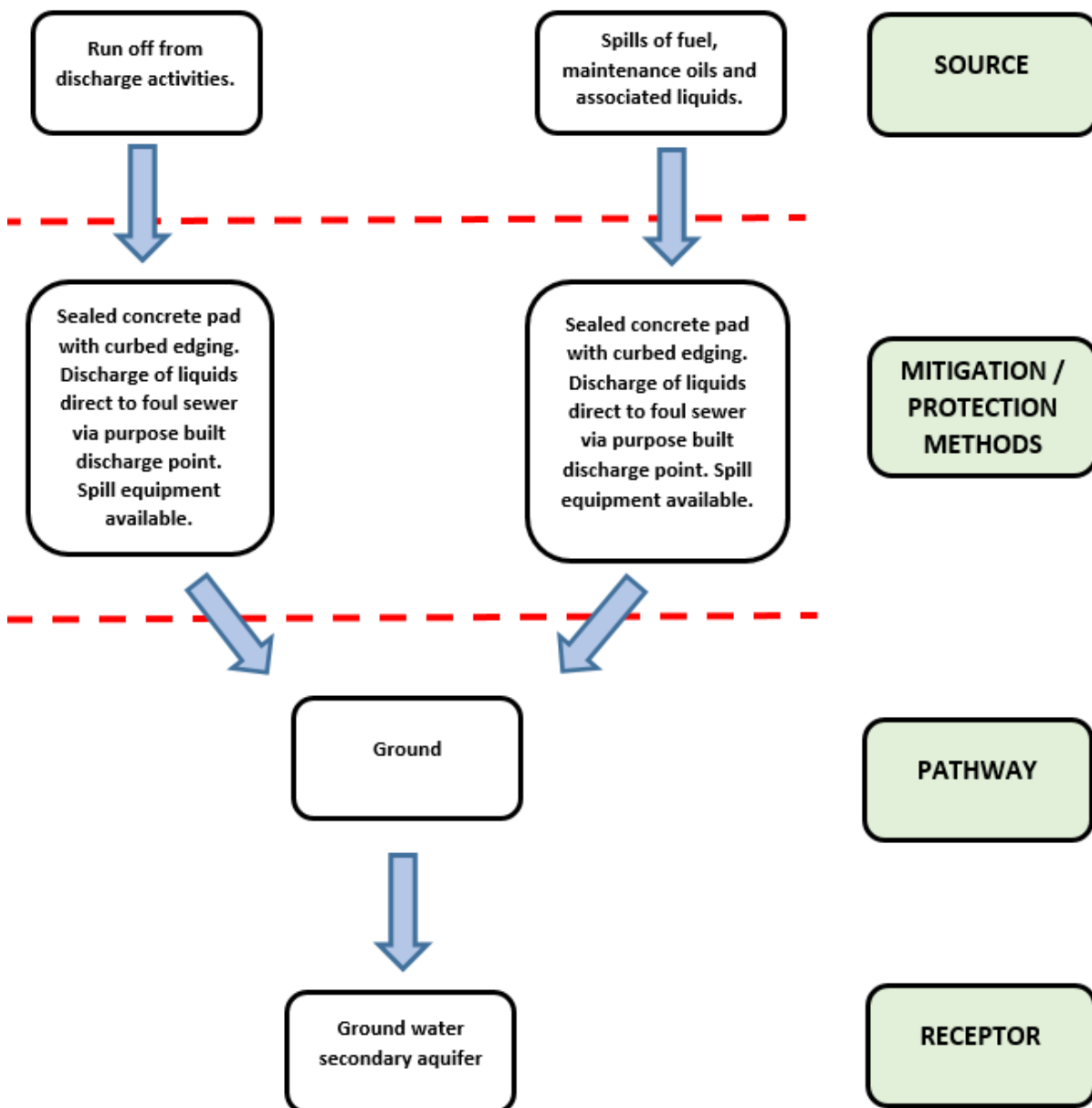
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)

The following is known about sites history

Basic Conceptual Site Model (CSM) showing the source-pathway-receptor linkage and how they are to be broken - Surface Water



Basic Conceptual Site Model (CSM) showing the source-pathway-receptor linkage and how they are to be broken - Ground Water – Secondary Aquifer





Description of nearby surface water features/watercourses and the potential risks

The site is located within the Portreath Stream waterbody, which flows to the village of Portreath on the coast.

The Redruth Industrial Estate in Redruth has a network of surface water drains to drain to head walls on the Severn Estuary.

Drains – The whole operation is carried out on a sealed concrete pad that drains to the foul sewer. The pad is edged with a concrete curb providing secondary containment. This also protects from spills of plant fuel, grease or any other liquids entering surface water drains,

Site location in proximity to the River Portreath Estuary

Symbol	Item
	Site
	Surface water drains / watercourses



3.0 Permitted activities	
Permitted activities	Transfer and screening of portaloo and septic tank wastes.
Non-permitted activities undertaken	Related activities to serve the waste management activity including – <ul style="list-style-type: none"> - Office - Maintenance of plant and equipment
Document references for: <ul style="list-style-type: none"> • plan showing activity layout; and • environmental risk assessment. 	Site plan

Permitted activities

The permitted activity is transfer and screening of portaloo and septic tank wastes.

Non-permitted activities undertaken

The site has a small office area and plant workshop. The office is used solely for office activities and is not located within the permitted area.

The is storage of hand tools, power tools, welding equipment and COSHH items within a COSHH cabinet.