

Coed Du photo survey

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Basic site information

The Stream is an un-named tributary of the River Dulais at located at Coed Du, Y Creunant.

The grid reference and elevation of the existing weir crest is 280217,205674 and 223mAOD

The grid reference and elevation of the existing pond intake is 280084,205528 and 218mAOD

The grid reference and elevation of the invert for the existing outfall is 279635,205534 and 122mAOD

The grid reference and elevation of the finished floor level for existing turbine house is 279660, 205300 and 125mAOD

The length of the depleted reach (measured down the centre of the channel) is 650m

Photographs of the river channel

Location 1. – Grid reference: 280455, 206000

Direction – Upstream



Direction – Downstream



Direction – Cross Section of watercourse with 30cm ruler in view for scale



Location 2. – Grid reference: 280380,205940

Direction – Upstream



Direction – Downstream



Direction – Cross Section of watercourse with 30cm ruler in view for scale



Location 3. – Grid reference: 280308, 205834

Direction – Upstream



Direction – Downstream



Direction – Cross Section of watercourse with 30cm ruler in view for scale



Location 4. – Intake - Grid reference: 280217, 205674

Direction – Upstream



Direction – Downstream



Direction – Cross Section of watercourse with 30cm ruler in view for scale



Location 5. – Grid reference: 280130, 205615

Direction – Upstream



Direction – Downstream



Direction – Cross Section of watercourse with 30cm ruler in view for scale



Location 6. – Grid reference: 280030, 205556

Direction – Upstream



Direction – Downstream



Direction – Cross Section of watercourse with 30cm ruler in view for scale



Location 7. – Grid reference: 279993, 205522

Direction – Upstream



Direction – Downstream



Direction – Cross Section of watercourse with 30cm ruler in view for scale



Location 8. – Grid reference: 279844, 205495

Direction – Upstream (stream floor inaccessible, photograph taken from elevated point)



Direction – Downstream (stream floor inaccessible, photograph taken from elevated point)



Direction – Cross Section of watercourse with 30cm ruler in view for scale (stream floor inaccessible, photograph taken from elevated point)



Location 9. – Grid reference: 279779, 205509

Direction – Upstream



Direction – Downstream



Direction – Cross Section of watercourse with 30cm ruler in view for scale



Location 10. – Outfall - Grid reference: 279635, 205534

Direction – Upstream



Direction – Downstream – Outfall location highlighted. Water enters the culvert after this point to flow under railway bridge. Bridge in background can be seen in Location 11.



Outfall (taken during construction – obstructed view)



Direction – Cross Section of watercourse with 30cm ruler in view for scale



Location 11. – Grid reference: 279613, 205540

Direction – Looking upstream. Stood above culvert outfall seen in Location 12.

The culvert passes under the railway bridge and represents an impassable constraint to the location of the outfall.



Location 12. – Grid reference: 279595, 205526

Direction – Upstream



Direction – Downstream



Direction – Cross Section of watercourse with 30cm ruler in view for scale



Location 13. – Pond Intake - Grid reference: 280084, 205528

Direction – Upstream



Direction – Upstream



Description of other channel features

The railway bridge and culvert buried underneath represent the lower possible limit of the outfall as it is not possible to locate it to the west of the railway.

Annotated Photo Survey Plan – See attachment

Plan

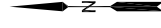
Drawing Date:
02/01/2023

4 -Abstraction
Location
OSGB

10 - Outfall water discharge location OSGB 279635, 205534

13 - Destination
of water transfer
& pond
abstraction
location - OSBG
280084, 205528

Pipe route



Scale 1:5000
when printed at
A4

All Dimensions
in m

