

# Dunball Sluice Gates Refurbishment

Site Information

Environment Agency

13th April 2022

ENV0000761C-ATK-00-3XX-RE-ME-000005



# Notice

This document and its contents have been prepared and are intended solely as information for Environment Agency and use in relation to Dunball Sluice Gates Refurbishment

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This document has 15 pages including the cover.

## Document history

Revision	Purpose description	Originated	Checked	Reviewed	Authorised	Date
P01	S3 – Shared files – for review & comment	■	■	■	■	09/03/2022
C01	A - Construction	■	■	■	■	13/04/2022

## Client signoff

Client	Environment Agency
Project	Dunball Sluice Gates Refurbishment
EA Reference	ENV0000761C-ATK-00-3XX-RE-ME-000005
Atkins Reference	5199269
Client signature / date	



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## 1.1. Introduction

This document has been produced to detail the information available relevant to the site that may be of use for the refurbishment works. It should be noted that at the time of writing a revised GPR survey had not yet been conducted, and existing information from a previous survey has been included for information. This document shall be updated when the updated GPR survey information is available.

## 1.2. Existing services information

Details of all available information on existing services in or adjacent to the site refurbishment works is provided in Table 1 below.

**Table 1 - Responses received from utility search undertaken by Jacobs in Q1 2020**

Asset Owner	Format	Reference/Location on A-site	Rev.
Response - assets on or adjacent to the site			
TBC	TBC	GPR survey planned to be conducted in Q2 2022 Existing data from a survey conducted by Jacobs in Q1 2020 is presented below	TBC
Openreach (BT)	PNG	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-000-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Tata Communications	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-000-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Wales and West Utilities	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-000-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Western Power Distribution	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-000-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Wessex Water	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-000-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
CenturyLink Communications	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-000-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Somerset County Council	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-000-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0



Asset Owner	Format	Reference/Location on Asite	Rev.
Virgin Media	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Vodafone	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Response - <b>no</b> assets on or adjacent to the site			
TBC	TBC	GPR survey planned to be conducted in Q2 2022 Existing data from a survey conducted by Jacobs in Q1 2020 is presented below	
CityFibre	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Colt	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Energetics Electricity	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
ENGIE	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
GTC	Email / PNG	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
KPN	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Mobile Broadband Network Limited	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Sky UK Limited	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000-O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0



Asset Owner	Format	Reference/Location on A-site	Rev.
Sota	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000- O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Utility Assets Limited	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000- O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0
Verizon Business	Email	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-JAC-000- O00-SU-C-A0600_1-A05-0-A0600-EA3-LOD3-Services Search.zip	0



## 1.3. UXO information

Details of available UXO information relevant to the site refurbishment works is provided in Table 2 below.

**Table 2 - List of available UXO information**

Description	Format	Reference/Location on A-site	Rev.
Dunball Area Unexploded Bomb (UXB) risk map	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-ZET-00-00-MP-HS-A0700_1-S2-P01-A0700-EA4-LOD4-Dunball_Unexploded Bomb Risk Map 331137_140822.pdf	P01

Note, the site is recognised as a low-risk area in terms of potential UXB.



## 1.4. Record plans/information

Details of available historic record plans / information of the Dunball Sluice asset relevant to the site refurbishment works is provided in Table 3 below.

**Table 3 - List of available Record Plans/Information**

Description	Format	Reference/Location on Asite	Rev.
Drawing No. 2296/1_Dunball Clyde, General Arrangement (as constructed)	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. 2296/4_Dunball Clyde, Pile Layout (as constructed)	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. 2296/5_Dunball Clyde, RC Details of Ground Slab	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. 2296/6_Dunball Clyde, RC Details of North & South Walls	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. 2296/7_Dunball Clyde, RC Details of Part of North & South Side-Walls	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. G27502/6A _General Arrangement Plan, Dunball Clyde	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. 2296/8_Dunball Clyde, RC Details of Cross Walls & Top Slab	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. 2296/9_Dunball Clyde, Pier Details	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. 2296/10_Dunball Clyde, Upstream End of Clyde	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01



Description	Format	Reference/Location on Asite	Rev.
Drawing No. 2296/11_ Dunball Clyde, Details of Control House	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. 2296/15_ Dunball Clyde, Details of Dunball Wharf (as constructed)	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. 605/1/5_ General Arrangement, Dunball Clyde Modifications (Detachable Roof Unit to Protect Tilting Weir from Drifting Sand)	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. G27503/5A_ General Arrangement of Tilting Gates, Dunball Clyde	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01
Drawing No. G27503/2C_ Foundations & Arrangement of Built-In Parts, 2 Tilting Gates, Dunball Clyde	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppA2_OriginalAsBuiltDesignDrawings.pdf	C01



## 1.5. Inspections & condition assessment information

Details of all inspections and condition assessments of the Dunball Sluice asset and relevant to the site refurbishment works is provided in Table 4 below.

**Table 4 - List of available inspections and condition assessments**

Description	Format	Reference/Location on Asite	Rev.
Dunball Sluice laser scan (LAS) data – September 2021	LAS	Dropbox link: <a href="https://www.dropbox.com/s/5ev8bllquekd6m0/G21160%20-%20Geoterra%20-%20Dunball%20Quay%20Sluice%20Gate%20Combined%20External%20Laser%20Scan%20%26%20Photogrammetry%20%26%20Internal%20Laser%20Scan%20Surveys%20LAS%20data%20-%20Rev2.las?dl=0">https://www.dropbox.com/s/5ev8bllquekd6m0/G21160%20-%20Geoterra%20-%20Dunball%20Quay%20Sluice%20Gate%20Combined%20External%20Laser%20Scan%20%26%20Photogrammetry%20%26%20Internal%20Laser%20Scan%20Surveys%20LAS%20data%20-%20Rev2.las?dl=0</a> If this link does not work, contact Atkins for assistance	02
Dunball Sluice gate chamber drone video #1 – September 2021	MOV	Dropbox link: <a href="https://www.dropbox.com/s/heeb1yqfeuffyhsp/G21160%20-%20Geoterra%20-%20Dunball%20Quay%20Sluice%20Gate%20-%20ELIOS2%20UAV%20Photogrammetry%20survey%20-%20video%20%233.MOV?dl=0">https://www.dropbox.com/s/heeb1yqfeuffyhsp/G21160%20-%20Geoterra%20-%20Dunball%20Quay%20Sluice%20Gate%20-%20ELIOS2%20UAV%20Photogrammetry%20survey%20-%20video%20%233.MOV?dl=0</a> If this link does not work, contact Atkins for assistance	01
Dunball Sluice gate chamber drone video #2 – September 2021	MOV	Dropbox link: <a href="https://www.dropbox.com/s/dh1wxpeeky6ycil/G21160%20-%20Geoterra%20-%20Dunball%20Quay%20Sluice%20Gate%20-%20ELIOS%20%20UAV%20Photogrammetry%20survey%20-%20video%20%234.MOV?dl=0">https://www.dropbox.com/s/dh1wxpeeky6ycil/G21160%20-%20Geoterra%20-%20Dunball%20Quay%20Sluice%20Gate%20-%20ELIOS%20%20UAV%20Photogrammetry%20survey%20-%20video%20%234.MOV?dl=0</a> If this link does not work, contact Atkins for assistance	01
Dunball Sluice counterweight chamber laser scan (LAS) data – September 2021	LAS	Dropbox link: <a href="https://www.dropbox.com/sh/dghqykf4hl1sb66/ABnvd8TFmOa_jO_oXQbqsQTa?dl=0">https://www.dropbox.com/sh/dghqykf4hl1sb66/ABnvd8TFmOa_jO_oXQbqsQTa?dl=0</a> If this link does not work, contact Atkins for assistance	01
Dunball Sluice Gates Refurbishment Civils Visual Survey Report (Atkins) – October 2021	PDF	ENV0000761C-ATK-XX-3XX-RP-C-000001-A4-C01-A1200-EA3-LOD3-Civils Visual Survey.pdf	C01
Dunball Sluice Condition Assessment (Jacobs) – September 2019	MS Word	ENV0000761C - Dunball Sluice Gates Refurbishment BIM\1. E-CDE\ENV0000761C-JAC-000-O00-RP-C-B0300_3-A05-0-B0300-EA3-LOD3-Civils Condition Assessment September 2019.docx	0



Dunball Sluice Condition Assessment Report – April 2012	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C- JAC-00-O00-RP-C-B0300_2-A05-0-B0300-EA3- LOD3-Condition Assessment April 2012.pdf	0
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## 1.6. Environmental information

Details of all available environmental information relevant to the site refurbishment works is provided in Table 5 below.

**Table 5 - List of available environmental information**

Description	Format	Reference/Location on A-site	Rev.
Dunball Sluice, Stage 1 Habitats Regulations Assessment (Jacobs)	MS Word	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppC1_HRAScreening_12Aug20.docx	C01
Dunball Sluice, Water Framework Directive Compliance Assessment (Jacobs)	MS Word	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppC2_PreliminaryWFDAssessment_31Jul20.docx	C01
Dunball Sluice, NEAS re-screening	MS Excel	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OB C_AppC4_NEAS_Re-Screening.xls	C01



## 1.7. Land ownership information

Details of all available land ownership information relevant to the Dunball Sluice asset and the site refurbishment works is provided in Table 6 below.

**Table 6 - List of land ownership information**

Description	Format	Reference/Location on A site	Rev.
Dunball Sluice, Land Registry search data (October 2020)	Various	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-EANC-00-00-MP-PM-0001-A3-C01-A0200-EA3-LOD3-Land Registry Seraches October 2020.zip	C01



## 1.8. Other information

Details of all other available information relating to the Dunball Sluice asset and relevant to the site refurbishment works is provided in Table 7 below.

**Table 7 - List of other available information**

Description	Format	Reference/Location on Asite	Rev.
Dunball Sluice Refurbishment Project – Flood Risk Appraisal, July 2020	MS Word	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C_WAP_Dunball_OBC_App B2_FloodRiskAppraisalReport_31Jul20.docx	C01
Public Safety Risk Assessment (PSRA) from November 2020	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\ENV0000761C-EANC-00-00-RA-AM-K0201_2-S2-P01-K0201-EA4-LOD4-PSRA from November 2020.pdf	P01
Dunball Sluice O&M Manual September 2018	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\Dunball Sluice O&M Manual.7z	C01
Dunball Service Drawing – 016059/MOW/01/XX/CR/E/17 72	PDF	ENV0000761C - Dunball Sluice Gates Refurbishment_BIM\1. E-CDE\016059-NOM-01-XX-DR-E-1772 R2.pdf	2



  
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