



**Cyfoeth
Naturiol**
Cymru
**Natural
Resources**
Wales

Marine Licence with introductory note

The Marine and Coastal Access Act (2009)

Licence Holder:

City and County of Swansea

Room 301 Guildhall,

C/O Civic Centre

Swansea

SA1 3SN

Mumbles Coastal Protection Project

Licence Number:

CML2128v1

Licence Number: CML2128v1

Mumbles Coastal Protection Project

Marine Licence number: CML2128v1

Introductory note

This introductory note does not form a part of the marine licence

The main features of the marine licence are as follows.

The Mumbles Coastal Protection Project is a flood alleviation scheme designed to manage long-term coastal flood risk in Mumbles. This is to be achieved through the upgrading of the existing coastal infrastructure along the approximately 1.1km long project frontage.

The status log of the marine licence sets out the marine licence history, including any subsequent marine licence variation(s)

Status log of this marine licence		
Description	Date	Comments
Application	Duly made 21/06/2021	Application received and considered to be duly made
Date licence determined	10/12/2021	Determination date
Marine Licence Variation	22/02/2024	Marine Licence varied to extend the expiry date from 30 April 2024 to 31 July 2025

The Licence CML2128v1 supersedes Licence CML2128 in its entirety.

Related marine licences or applications under determination

Not applicable.

End of introductory note.

Licence Number: CML2128v1

MARINE LICENCE, NUMBER CML2128v1

1 LICENCE DETAILS

1.1 Marine Licence

This is a licence granted by the Licensing Authority in respect of an application numbered **CML2128** and duly made on **21 June 2021** and authorises the Licence Holder to carry on activities for which a licence is required under Part 4 of the Marine and Coastal Access Act 2009, (2009 Act). This licence should be interpreted in accordance with **Section 4**.

1.2 Licence Holder

The Licence Holder is the organisation set out below:

Organisation name: City and County of Swansea

Address: Room 301 Guildhall, C/O Civic Centre, Swansea SA1 3SN

1.3 Licence Validity

Licence Start Date	22 February 2024
Licence End Date	31 July 2025
Licence Issue Date	22 February 2024

1.4 Conditions

This licence is subject to the conditions set out in **Section 3**.

Signed:



Dr. Emmer Litt – Marine Licensing Team Leader

For and on behalf of the Licensing Authority

2 LICENSED ACTIVITIES

2.1 Project

Mumbles Coastal Protection Project

The Mumbles Coastal Protection Project is a flood alleviation scheme designed to manage long-term coastal flood risk in Mumbles. This is to be achieved through the upgrading of the existing coastal infrastructure along the approx. 1.1km long project frontage.

The following Licensed Activities can be conducted within the Licence Period, within the Licensed Area and in accordance with the Approved Application and the Approved Supporting Documents:

Table 1 Licensed Activities

Activity 1 Upgrading of the existing coastal infrastructure	
Type of Licensed Activity	Construction
Description	<p>The proposed works will include:</p> <ul style="list-style-type: none"> • Installation of sheet pile toe; • Break-up of existing revetment using machine mounted tools and removal or cut down of existing sheet piles; • Excavation and construction of appropriate sub-base to receive reinforced concrete stepped apron using excavator; • Construction of concrete stepped apron complete with connection detail at the sheet pile and kicker for seawall encasement concrete; • Drilling and resin-fixing reinforcement bars into the existing seawall using machine tools, and • Construction of concrete facing for existing seawall.
Material types to be removed or deposited	<ul style="list-style-type: none"> • Timber • Iron/Steel • Concrete • Stone/Rock
Quantities/Dimensions	<ul style="list-style-type: none"> • Approximately 1.1km length of seawall to be upgraded; • 20,000m³ of beach material to be excavated before being deposited back on the foreshore; • 4,000m³ of concrete to be placed seaward of MHWS (precast and insitu), and • 7,500m³ sheet piling to be driven.

Licence Number: CML2128v1

2.2 Licensed Area

The Licence Holder is authorised to conduct the activities described in Table 1 in the vicinity of Mumbles, Swansea bounded by the coordinates specified in Appendix 2 and as indicated in the plan attached at Appendix 1.

2.3 Approved Supporting Documents

Title/Description of Document	Date	Version No.
CML2128 2019-12-19 Mumbles GIR	19/12/2019	1
CML2128 2019_0349_SCR-NRW_SCREENING_OPINION-970809	18/08/2017	1
CML2128 CCS_Mumbles Winter Bird Survey Report 2020 _Client Issue	27/04/2020	1
CML2128 COGL00000009-JBAU-00-00-DR-C-1000-S3-P01- General_arrangement	25/05/2021	1
CML2128 COGL00000009-JBAU-00-00-DR-C-1001-S3-P01- Site_plan_1_of_4	25/05/2021	1
CML2128 COGL00000009-JBAU-00-00-DR-C-1002-S3-P01- Site_plan_2_of_4	25/05/2021	1
CML2128 COGL00000009-JBAU-00-00-DR-C-1003-S3-P01- Site_plan_3_of_4	25/05/2021	1
CML2128 COGL00000009-JBAU-00-00-DR-C-1004-S3-P01- Site_plan_4_of_4	25/05/2021	1
CML2128 COGL00000009-JBAU-00-00-DR-C-1501-S3-P01- Typical_Section_A	25/05/2021	1
CML2128 COGL00000009-JBAU-00-00-DR-C-1502-S3-P01- Typical_Section_B	25/05/2021	1

Licence Number: CML2128v1

CML2128 COGL00000009-JBAU-00-00-DR-C-1503-S3-P01-Typical_Section_C	25/05/2021	1
CML2128 COGL00000009-JBAU-00-00-RP-EN-0002-S2-P01-Habitats-Regulations-Assessment-HRA-Screening-Report	20/05/2021	1
CML2128 COGL00000009-JBAU-00-00-RP-EN-0003-S2-PO1-Water-Framework-Directive-WFD-Screening-Report	05/05/2021	1
CML2128 COGL00000009-JBAU-00-00-SU-EN-0002-S3-P01-Wintering_bird_survey	June 2021	1
CML2128 COGL00000009-JBAU-00-00-TN-C-0002-S3-P01-Coastal_processes_and_foreshore_morphology_review	16/03/2021	1
CML2128 COGL00000009-JBAU-00-XX-DR-GT-9120-S3-P01.02-Geotechnical_long_section_Sheet1	01/07/2021	1
CML2128 COGL00000009-JBAU-00-XX-DR-GT-9120-S3-P01.02-Geotechnical_long_section_Sheet2	01/07/2021	1
CML2128 marine-works-application-form-updated (2) Mumbles Coastal Protection Project_signed-SC1706	28/05/2021	1
CML2128 Mumbles Coastal Defence Scheme WFD Screening v2.0	27/08/2021	2
CML2128 MumblesOBC_AppC_CoastalProcessesConceptualUnderstanding_20170317_Arup-ABPmer	17/03/2017	1
CML2128 Mumbles Marine_Licence_Boundary	18/06/2021	1
CML2128 WNMP signposting document	06/08/2021	1
CML2128 COGL00000009-JBAU-00-00-RP-C-0001-S3-P01-Design_input_statement	03/08/2021	1

Licence Number: CML2128v1

CML2128 COGL00000009-JBAU-00-00-RP-EN-0001-S3-P03-Ecology_PEA	14/09/2021	1
CML2128 Mumbles Foreshore GI - Contam Assessment wrt CEFAS ALs.xlsx	28/10/2021	1
CML2128 Mumbles Coastal Protection Outline CEMP Final 3.0	13/09/2021	3

Licence Number: CML2128v1

3 CONDITIONS

Notification and Inspection

3.1 Notification of Commencement

3.1.2 The Licence Holder must notify the Licensing Authority no less than **10 days** before the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.

3.1.2 The Licence Holder must notify Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) no less than **10 days** before the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.

3.1.3 The Licence Holder must ensure that local mariners and fishermen's organisations are made fully aware of the Licensed Activities through local notices to mariners **10 days** prior to the commencement of the Licensed Activities.

3.2 Notification of Vehicles

The Licence Holder must ensure that the details of the vehicles utilised to undertake the Licensed Activities are submitted to the Licensing Authority and Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) at least **24 hours** prior to the commencement of the Licensed Activities.

3.3 Notification of Agents/Contractors/Sub-contractors

The Licence Holder must ensure that details of any agent(s), contractor(s) or sub-contractor(s) utilised to undertake the Licensed Activities are submitted to the Licensing Authority at least **24 hours** prior to the commencement of Licensed Activities.

3.4 Notification of HM Coastguard

The Licence Holder must ensure that HM Coastguard is made aware of the Licensed Activities at least **24 hours** prior to commencement by contacting The National Maritime Operations Centre at **zone27@mcga.gov.uk**.

3.5 Inspection of Licensed Activities

The Licence Holder must allow Marine Enforcement Officers, or any other person authorised by the Licensing Authority to inspect the Works at any reasonable time.

3.6 Notification of Completion

3.6.1 The Licence Holder must notify the Licensing Authority within **10 days** of completion of the Licensed Activities.

3.6.2 The Licence Holder must notify Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) within **10 days** of completion of the Licensed Activities.

Licence Number: CML2128v1

3.7 Accident or Emergency

3.7.1 If, by reason of force majeure any substances or articles are deposited otherwise than as permitted as part of the Licensed Activities or in the Licensed Area full details of the circumstances shall be notified to the Licensing Authority within **48 hours** of the incident occurring.

3.7.2 If it is necessary for the Licence Holder to recover or remove any equipment, plant or machinery used to undertake the Licensed Activities that have been dropped as a result of an accident or emergency, the Licence Holder is permitted to do so provided that the methodology for such recovery or removal has been approved by the Licensing Authority.

3.8 Distribution of Copies of this Licence

The Licence Holder is required to ensure that a copy of this Licence is given to:

- All agent(s), contractor(s) and sub-contractor(s) whose names have been provided to the Licensing Authority under condition 3.3 and
- The Masters of any vessels and transport managers responsible for the vehicles employed in accordance of this Licence whose details have been submitted to the Licensing Authority under condition 3.2.

3.9 Inspection of Documents

Copies of this Licence shall be made available at the following locations:

- at the address of the Licence Holder specified in section 1.2;
- at any site office, located at or adjacent to the Licensed Area, used by the Licence Holder or its agent(s), contractor(s) or sub-contractor(s) responsible for the loading transportation or deposit of any substances or articles permitted as part of the Licensed Activities;
- on board each vessel or vehicle carrying out Licensed Activities.

The documents referred to in this Condition shall be available at all reasonable times for inspection by officers appropriately authorised by the Licensing Authority and authorised Marine Enforcement Officers at the locations stated in that paragraph.

Vessels, Plant and Equipment

3.10 Notified Contractors and Vehicles only to Carry out Licensed Activities

Only those agent(s), contractor(s), sub-contractor(s) and vehicles whose details have been notified to the Licensing Authority may operate under the terms of this Licence. Any changes must be notified to and be approved by the Licensing Authority in writing prior to any such agent, contractor, subcontractors or vehicles carrying out any Licensed Activities pursuant to or otherwise operating under this Licence.

Licence Number: CML2128v1

3.11 Refuelling of Plant and Equipment

The Licence Holder must ensure that plant, vehicles and machinery are not refuelled on the foreshore or in the sea.

3.12 Equipment, Structures and Access

The Licence Holder must ensure that all equipment, temporary structures, access tracks, waste and/or debris associated with the Licensed Activities are removed on completion of the Licensed activities.

Safety

3.13 Removal of Deposited Material

If the Licensing Authority considers it necessary or advisable for the safety of navigation, the Licence Holder must remove any deposit specified by the Licensing Authority or Marine Enforcement Officers within one month of notice being given by the Licensing Authority, and shall not replace such material until the Licensing Authority has given its written approval.

Pollution control

3.14 Pollution Prevention

The Licence Holder must ensure that pollution prevention best practice is adhered to at all times. Any incidents must be reported to the Licensing Authority as soon as possible using the hotline number **0300 065 3000**.

3.15 Spillage of Pollutants

The Licence Holder must employ bunding, storage facilities and spill kits to contain and prevent the release of fuel, oils and chemicals associated with the plant, refuelling and construction equipment into the marine environment. Secondary containment must be used with a capacity of **no less than 110%** of the container's storage capacity

3.16 Prevention of Disposal of Man-made Debris

The Licence Holder must ensure that all reasonable precautions are taken to prevent the disposal of man-made debris to the marine environment. Such material must be removed immediately and be disposed of appropriately. If it is not possible to prevent manmade debris from entering the marine environment during the Licensed Activities, the Licensed Activities must cease immediately.

3.17 Cleanliness of Equipment

The Licence Holder must ensure that equipment, machinery and PPE are washed with freshwater and/or thoroughly airdried before deployment and before moving between locations.

Activity-specific Conditions

3.18 Notification of UKHO

3.18.1 The Licence Holder must notify the UK Hydrographic Office at least **5 days** before commencement of works to permit the promulgation of maritime safety information and updating of nautical charts and publications through the national Notice to Mariners system.

3.18.2 The Licence Holder must notify the UK Hydrographic Office of the Licensed Area and the Licensed Activities within **10 days** of the completion of the Licensed Activities.

3.19 Approval of Schemes/Plans

3.19.1 The Licence Holder must submit a Written Scheme of Investigation to the Licensing Authority for written approval at least **6 weeks** prior to commencement of the Licensed Activities. No Works may be undertaken prior to written approval from the Licensing Authority.

3.19.2 The Licence Holder must submit a biosecurity risk assessment to the Licensing Authority for written approval at least **6 weeks** prior to commencement of the Licensed Activities. No Works may be undertaken prior to written approval from the Licensing Authority.

3.19.3 The Licence Holder must submit a Construction Environment Management Plan (CEMP) to the Licensing Authority for written approval at least **6 weeks** prior to commencement of the Licensed Activities. The CEMP submitted should be inline with the measures included in CML2128 Mumbles Coastal Protection Outline CEMP Final 3.0. No Works may be undertaken prior to written approval from the Licensing Authority.

3.19.4 The Licence Holder must ensure that any actions outlined in the documents detailed in Conditions 3.19.1, 3.19.2 and 3.19.3 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted

3.20 Archaeology

The Licence Holder must ensure that a suitably qualified archaeological contractor is present during the undertaking of any Licensed Activities so that an archaeological watching brief can be conducted in line with the Written Scheme of Investigation. The archaeological watching brief must meet the standards laid down by the Chartered Institute for Archaeologists Standard and Guidance for archaeological watching briefs.

Licence Number: CML2128v1

3.21 Reporting of Artefacts

The Licence Holder must ensure that any artefacts accidentally recovered are retained and reported through the Marine Portable Antiquities Scheme.

3.22 Use of Render and Concrete

The Licence Holder must ensure that no waste concrete slurry or wash water from the use of concrete or cement are discharged into the marine environment. Concrete and cement mixing and washing areas should be contained and sited at least **10 metres** from any watercourse or surface water drain to minimise the risk of runoff entering a watercourse. The Licence Holder must ensure that if concrete is to be sprayed in the vicinity of the marine environment (e.g. bridges, retaining walls, etc.), suitable pollution prevention measures are taken to prevent rebounded or windblown concrete from entering the water environment.

3.23 Concrete Cure Time

The Licence Holder must ensure materials used are suitable for use in the marine environment and works should be timed to ensure maximum concrete cure time.

4 INTERPRETATION

In this Licence terms are as defined in section 115 of the Marine and Coastal Access Act unless otherwise stated.

- (a) **“2009 Act”** means the Marine and Coastal Access Act 2009;
- (b) **“Approved Application”** means the Marine Licence Application Form together with the Approved Supporting Documents;
- (c) **“Approved Supporting Documents”** means the documents supporting, or supplementary to, the Approved Application, submitted prior to the Licence Issue Date, listed in the Table at paragraph 2.3 above;
- (d) **“Commencement”** means the first undertaking of any Licensed Activities;
- (e) **“Force majeure”** may be deemed to apply when, due to stress of weather or any other cause, the master of a vessel determines that it is necessary to deposit the substances or articles because the safety of human life and/or of the vessel is threatened;
- (f) **“Licensed Activities”** means the activities authorised by this licence as specified in 2.1;
- (g) **“Licensed Area”** means the area within which Licensed Activities are authorised by this licence as specified in section 0;
- (h) **“Licence Holder”** means the person(s) or organisation(s) named in section 1.2 to whom this licence is granted;
- (i) **“Licence Period”** means the period beginning with the Licence Start Date and ending on the Licence End Date;
- (j) **“Licensing Authority”** means Natural Resources Wales acting on behalf of the Welsh Ministers;
- (k) **“Marine Enforcement Officers”** means the relevant officers appointed by Welsh Ministers under section 235 of the 2009 Act, contact details for whom are provided in section 5;
- (l) **“Marine Licence Application Form”** means the application form forming part of the application referred to in paragraph 1.1;
- (m) **“Method Statement”** means the Method Statement(s) forming part of the Approved Application or Approved Supporting Documents;

Licence Number: CML2128v1

- (n) **“Works”** means any construction activities comprised in the Licensed Activities and, where the context permits, includes any plant, equipment or materials used to carry out those activities or operations but excludes monitoring, minor routine maintenance or other ongoing operational activities following completion of any construction activities;
- (o) all times shall be taken to be the time in Greenwich Mean Time (GMT) on any given day;
- (p) all co-ordinates shall be taken to be latitude and longitude decimal degrees;
- (q) in the event of any discrepancy between the coordinates listed in paragraph 0 and the plan attached at Appendix 1, the coordinates shall take precedence.

5 CONTACTS

Except where otherwise indicated, the primary point of contact with the Licensing Authority and the address for returns, correspondence and requests for variations of the licence is:

Marine Licensing Team
Natural Resources Wales
Permitting Service
29 Newport Road
Cambria House
Cardiff
CF24 0TP

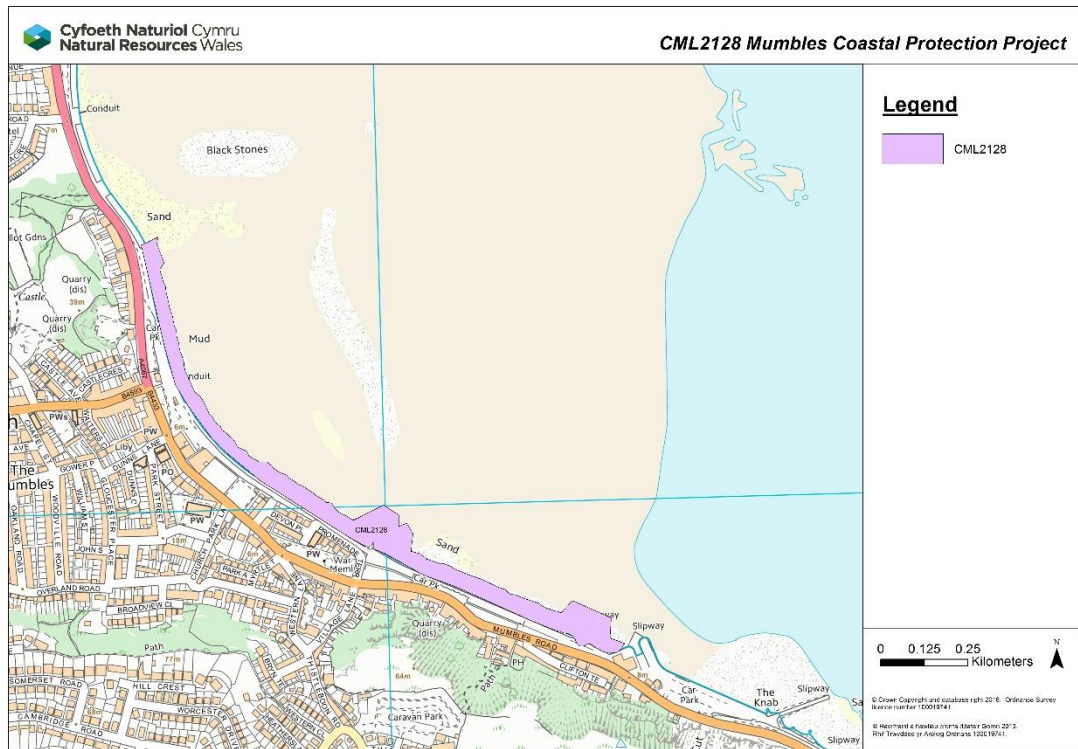
Tel: 0300 065 3000
Email: marinelicensing@naturalresourceswales.gov.uk

Welsh Government Marine Enforcement Officers may be contacted at:

Welsh Government
Suite 3
Cedar Court
Haven’s Head Business Park
Milford Haven Pembrokeshire
SA73 3LS

Tel: 03000253500
Email: wfmccmpc@gov.wales

Appendix 1



Appendix 2 Project coordinates

Longitude	Latitude
-3.98654478	51.57168419
-3.98660450	51.57166844
-3.98660635	51.57166859
-3.98663958	51.57167493
-3.98668722	51.57166296
-3.98676920	51.57164207
-3.98680021	51.57163194
-3.98684249	51.57161580
-3.98689887	51.57160091
-3.98692736	51.57159857
-3.98697873	51.57158013
-3.98699065	51.57158207
-3.98704586	51.57160344
-3.98705418	51.57160686
-3.98707028	51.57161154
-3.98709683	51.57162106
-3.98709639	51.57162216
-3.98710698	51.57162507
-3.98710916	51.57162451
-3.98713720	51.57163181
-3.98715264	51.57163734
-3.98716201	51.57164089
-3.98717020	51.57164336
-3.98723406	51.57166782
-3.98727117	51.57167820
-3.98730308	51.57168565
-3.98736855	51.57170143
-3.98743435	51.57171783
-3.98744688	51.57172001
-3.98751797	51.57173655
-3.98752373	51.57173905
-3.98755217	51.57174288
-3.98758774	51.57172899
-3.98763367	51.57172929
-3.98764432	51.57172759
-3.98767887	51.57171703
-3.98769418	51.57172094
-3.98769681	51.57172173
-3.98770056	51.57172274
-3.98776414	51.57174056
-3.98781661	51.57175447
-3.98782942	51.57176220
-3.98783846	51.57176891
-3.98784639	51.57177641
-3.98784845	51.57178094
-3.98787613	51.57181578
-3.98787652	51.57181873
-3.98791031	51.57183087
-3.98792585	51.57183692
-3.98795857	51.57184513
-3.98800413	51.57185865
-3.98801717	51.57186176
-3.98809069	51.57188093
-3.98813346	51.57189210
-3.98817139	51.57190020
-3.98823662	51.57191814

Longitude	Latitude
-3.98828832	51.57193304
-3.98836002	51.57195212
-3.98840924	51.57196367
-3.98848352	51.57198298
-3.98853006	51.57199714
-3.98857376	51.57200884
-3.98865249	51.57202913
-3.98868681	51.57203883
-3.98876292	51.57205892
-3.98879902	51.57206782
-3.98884205	51.57207889
-3.98887681	51.57208813
-3.98887807	51.57208985
-3.98889504	51.57209553
-3.98893469	51.57210624
-3.98894998	51.57210877
-3.98902274	51.57212697
-3.98906204	51.57213784
-3.98910448	51.57214790
-3.98914676	51.57215861
-3.98914797	51.57215804
-3.98917091	51.57216473
-3.98919227	51.57217139
-3.98923044	51.57218158
-3.98929575	51.57219905
-3.98933214	51.57220929
-3.98941041	51.57223058
-3.98945597	51.57224222
-3.98949844	51.57225544
-3.98956969	51.57227403
-3.98960771	51.57228444
-3.98967920	51.57230303
-3.98972617	51.57231436
-3.98976061	51.57232453
-3.98983994	51.57234544
-3.98988134	51.57235633
-3.98995480	51.57237550
-3.98998603	51.57238482
-3.99000856	51.57238950
-3.99006317	51.57240618
-3.99013016	51.57242324
-3.99017959	51.57243411
-3.99024561	51.57245173
-3.99029726	51.57246529
-3.99035991	51.57248189
-3.99041258	51.57249242
-3.99050448	51.57251658
-3.99055935	51.57253227
-3.99061507	51.57254552
-3.99068158	51.57256295
-3.99073169	51.57257597
-3.99079617	51.57259284
-3.99085296	51.57260913
-3.99091662	51.57262634
-3.99096693	51.57264173
-3.99101972	51.57265530
-3.99107434	51.57266861
-3.99107764	51.57267002
-3.99113578	51.57268539

Licence Number: CML2128v1

Longitude	Latitude
-3.99120334	51.57270128
-3.99127232	51.57272174
-3.99133163	51.57273742
-3.99137046	51.57274747
-3.99143202	51.57276479
-3.99143477	51.57276633
-3.99149754	51.57278265
-3.99154991	51.57279425
-3.99159807	51.57280787
-3.99167110	51.57282683
-3.99171558	51.57283752
-3.99178635	51.57285661
-3.99182946	51.57286965
-3.99189759	51.57288817
-3.99194337	51.57290102
-3.99199082	51.57291376
-3.99203765	51.57292782
-3.99210102	51.57294475
-3.99214515	51.57295671
-3.99220162	51.57297349
-3.99224578	51.57298701
-3.99227190	51.57299603
-3.99232996	51.57301339
-3.99236709	51.57302458
-3.99237087	51.57302491
-3.99239921	51.57303448
-3.99241440	51.57304122
-3.99247154	51.57306120
-3.99247622	51.57306252
-3.99247824	51.57306269
-3.99248937	51.57306635
-3.99249167	51.57306635
-3.99251670	51.57307447
-3.99254724	51.57308347
-3.99256160	51.57309019
-3.99257093	51.57309283
-3.99261626	51.57310708
-3.99262473	51.57310879
-3.99266328	51.57312306
-3.99266623	51.57312513
-3.99271377	51.57314233
-3.99273908	51.57315117
-3.99274177	51.57315149
-3.99279443	51.57317348
-3.99282973	51.57318674
-3.99286102	51.57319940
-3.99291637	51.57321985
-3.99295974	51.57323653
-3.99302046	51.57325882
-3.99305924	51.57327015
-3.99305946	51.57327138
-3.99307010	51.57330920
-3.99307185	51.57332200
-3.99307159	51.57332869
-3.99310380	51.57334146
-3.99312367	51.57334967
-3.99313317	51.57335313
-3.99317024	51.57336720
-3.99317152	51.57337011
-3.99317318	51.57337083

Longitude	Latitude
-3.99328163	51.57332912
-3.99330461	51.57331949
-3.99331049	51.57332060
-3.99331861	51.57332265
-3.99338708	51.57334500
-3.99339162	51.57334660
-3.99342780	51.57336142
-3.99347573	51.57338587
-3.99351993	51.57340496
-3.99356471	51.57342447
-3.99359894	51.57343762
-3.99366484	51.57346630
-3.99370469	51.57348859
-3.99375263	51.57350907
-3.99378312	51.57351759
-3.99380085	51.57352204
-3.99386107	51.57354604
-3.99387004	51.57354988
-3.99396465	51.57358630
-3.99398229	51.57359302
-3.99406715	51.57362404
-3.99409430	51.57363509
-3.99417044	51.57366440
-3.99420776	51.57367830
-3.99428987	51.57370972
-3.99432117	51.57372207
-3.99439082	51.57374445
-3.99442600	51.57375919
-3.99448548	51.57378272
-3.99453158	51.57380131
-3.99458656	51.57382432
-3.99463732	51.57384322
-3.99470379	51.57386784
-3.99475651	51.57388766
-3.99481747	51.57390995
-3.99487768	51.57393564
-3.99492766	51.57395604
-3.99498792	51.57398172
-3.99504562	51.57400492
-3.99510927	51.57402807
-3.99515834	51.57404697
-3.99522005	51.57406820
-3.99526998	51.57408874
-3.99533120	51.57411774
-3.99537490	51.57413527
-3.99542712	51.57415763
-3.99545227	51.57416552
-3.99545557	51.57416681
-3.99547095	51.57417297
-3.99547358	51.57417419
-3.99547740	51.57417613
-3.99548113	51.57417743
-3.99548318	51.57417867
-3.99548602	51.57417856
-3.99548719	51.57418297
-3.99555516	51.57420977
-3.99560498	51.57422895
-3.99566555	51.57425726
-3.99571869	51.57427906
-3.99577567	51.57430269

Licence Number: CML2128v1

Longitude	Latitude
-3.99582900	51.57432544
-3.99587324	51.57434109
-3.99590328	51.57435509
-3.99593460	51.57436542
-3.99593828	51.57436535
-3.99594204	51.57436524
-3.99594587	51.57436508
-3.99594980	51.57436486
-3.99595380	51.57436460
-3.99595789	51.57436428
-3.99596207	51.57436390
-3.99596634	51.57436347
-3.99599887	51.57437680
-3.99600262	51.57437606
-3.99600645	51.57437525
-3.99601037	51.57437437
-3.99601757	51.57437341
-3.99605878	51.57439007
-3.99610729	51.57440912
-3.99613806	51.57442171
-3.99619493	51.57444546
-3.99625286	51.57447042
-3.99630870	51.57449510
-3.99636548	51.57452067
-3.99642271	51.57454686
-3.99647914	51.57457325
-3.99648169	51.57457448
-3.99648487	51.57457598
-3.99648611	51.57457657
-3.99648929	51.57457808
-3.99649183	51.57457930
-3.99649503	51.57458082
-3.99649755	51.57458205
-3.99650075	51.57458356
-3.99650326	51.57458479
-3.99650645	51.57458630
-3.99650897	51.57458754
-3.99651217	51.57458906
-3.99651467	51.57459029
-3.99651788	51.57459181
-3.99652036	51.57459305
-3.99652357	51.57459457
-3.99652605	51.57459581
-3.99652926	51.57459734
-3.99653174	51.57459857
-3.99653495	51.57460011
-3.99653742	51.57460134
-3.99654063	51.57460288
-3.99654265	51.57460389
-3.99654550	51.57460526
-3.99654795	51.57460650
-3.99655115	51.57460806
-3.99655358	51.57460929
-3.99655679	51.57461087
-3.99658017	51.57462276
-3.99658328	51.57462442
-3.99658569	51.57462566
-3.99659015	51.57462804
-3.99659256	51.57462928
-3.99659568	51.57463094

Longitude	Latitude
-3.99659807	51.57463218
-3.99660119	51.57463385
-3.99660358	51.57463508
-3.99660668	51.57463675
-3.99660868	51.57463778
-3.99661178	51.57463945
-3.99661417	51.57464069
-3.99661728	51.57464236
-3.99661967	51.57464360
-3.99662277	51.57464528
-3.99662515	51.57464652
-3.99662826	51.57464819
-3.99663063	51.57464944
-3.99666448	51.57466759
-3.99671832	51.57469683
-3.99677086	51.57472604
-3.99682313	51.57475584
-3.99687367	51.57478552
-3.99692299	51.57481531
-3.99692648	51.57481628
-3.99694105	51.57482534
-3.99694254	51.57482743
-3.99694472	51.57482878
-3.99694862	51.57483111
-3.99695080	51.57483246
-3.99695380	51.57483425
-3.99695596	51.57483560
-3.99695894	51.57483739
-3.99696112	51.57483874
-3.99696409	51.57484054
-3.99696757	51.57484271
-3.99697054	51.57484452
-3.99697271	51.57484587
-3.99697567	51.57484768
-3.99697784	51.57484903
-3.99698079	51.57485085
-3.99701134	51.57486994
-3.99704863	51.57489378
-3.99708539	51.57491805
-3.99713217	51.57494968
-3.99717813	51.57498152
-3.99721798	51.57500978
-3.99726399	51.57504327
-3.99730796	51.57507600
-3.99735315	51.57511034
-3.99737117	51.57512437
-3.99739963	51.57514708
-3.99744087	51.57518101
-3.99747518	51.57521016
-3.99750568	51.57523675
-3.99754717	51.57527342
-3.99758735	51.57530943
-3.99761002	51.57533075
-3.99761108	51.57533210
-3.99761432	51.57533489
-3.99763943	51.57535891
-3.99764824	51.57536788
-3.99765186	51.57537116
-3.99766650	51.57538579
-3.99769016	51.57540973

Licence Number: CML2128v1

Longitude	Latitude
-3.99773268	51.57545504
-3.99773431	51.57545451
-3.99774684	51.57546807
-3.99776531	51.57548766
-3.99776892	51.57549311
-3.99777573	51.57549849
-3.99779781	51.57552314
-3.99782683	51.57555695
-3.99784193	51.57557389
-3.99790827	51.57559055
-3.99793771	51.57562672
-3.99796795	51.57566363
-3.99799349	51.57569708
-3.99801949	51.57573177
-3.99804310	51.57576379
-3.99806853	51.57579858
-3.99808749	51.57582494
-3.99810571	51.57585144
-3.99812243	51.57587565
-3.99813439	51.57589218
-3.99811338	51.57589713
-3.99811957	51.57591759
-3.99812577	51.57592795
-3.99814065	51.57595140
-3.99815690	51.57594784
-3.99815393	51.57594283
-3.99816314	51.57594066
-3.99818213	51.57597307
-3.99818519	51.57597946
-3.99819141	51.57598995
-3.99820422	51.57601319
-3.99820993	51.57602314
-3.99821815	51.57603809
-3.99823932	51.57607867
-3.99824937	51.57609939
-3.99825653	51.57611294
-3.99826285	51.57612622
-3.99828213	51.57616745
-3.99829417	51.57619351
-3.99831329	51.57623465
-3.99832691	51.57626382
-3.99833544	51.57628196
-3.99834344	51.57630020
-3.99834869	51.57631332
-3.99835756	51.57633453
-3.99837208	51.57637140
-3.99838842	51.57641389
-3.99840019	51.57644367
-3.99841529	51.57648554
-3.99841785	51.57649014
-3.99842921	51.57652108
-3.99844627	51.57656757
-3.99845704	51.57659760
-3.99846555	51.57662317
-3.99848112	51.57667006
-3.99849256	51.57670250
-3.99850844	51.57674676
-3.99851137	51.57675138
-3.99852277	51.57678309
-3.99853610	51.57682013

Longitude	Latitude
-3.99854838	51.57685472
-3.99856193	51.57688953
-3.99857998	51.57688683
-3.99859636	51.57688420
-3.99860431	51.57690998
-3.99861412	51.57694305
-3.99862301	51.57697148
-3.99863684	51.57701553
-3.99863853	51.57701533
-3.99864006	51.57701530
-3.99864651	51.57703570
-3.99864297	51.57703859
-3.99865994	51.57709041
-3.99866821	51.57711608
-3.99868334	51.57716527
-3.99869485	51.57720183
-3.99871146	51.57725186
-3.99871776	51.57727065
-3.99872637	51.57729689
-3.99874599	51.57735658
-3.99875445	51.57738223
-3.99877008	51.57742869
-3.99877865	51.57745414
-3.99879649	51.57750822
-3.99880436	51.57753270
-3.99882181	51.57758646
-3.99882871	51.57760764
-3.99884515	51.57765985
-3.99885143	51.57767937
-3.99886976	51.57773655
-3.99887625	51.57775652
-3.99889682	51.57781748
-3.99891002	51.57785804
-3.99893010	51.57791930
-3.99893663	51.57793722
-3.99895489	51.57798723
-3.99896708	51.57801684
-3.99896626	51.57801917
-3.99894406	51.57802839
-3.99892641	51.57805396
-3.99894879	51.57806428
-3.99895251	51.57806895
-3.99895633	51.57807503
-3.99895438	51.57808968
-3.99895809	51.57809436
-3.99895895	51.57810275
-3.99897515	51.57811802
-3.99899152	51.57814078
-3.99862221	51.57822889
-3.99857923	51.57805343
-3.99860135	51.57799508
-3.99858960	51.57796241
-3.99856606	51.57789011
-3.99853622	51.57780270
-3.99851305	51.57773021
-3.99848551	51.57764226
-3.99845694	51.57755507
-3.99842839	51.57746807
-3.99840450	51.57739705
-3.99837557	51.57730904

Licence Number: CML2128v1

Longitude	Latitude
-3.99835190	51.57723793
-3.99834574	51.57721882
-3.99832424	51.57714856
-3.99831572	51.57712260
-3.99831390	51.57711881
-3.99827081	51.57703471
-3.99825238	51.57699856
-3.99824415	51.57698139
-3.99823500	51.57696340
-3.99822264	51.57693665
-3.99820038	51.57687933
-3.99817438	51.57680772
-3.99814889	51.57673715
-3.99812381	51.57666590
-3.99809264	51.57658017
-3.99806711	51.57650921
-3.99805526	51.57647643
-3.99802959	51.57640988
-3.99799431	51.57632782
-3.99798762	51.57631302
-3.99794758	51.57622751
-3.99793681	51.57620442
-3.99793337	51.57619462
-3.99792478	51.57617712
-3.99791712	51.57616046
-3.99791030	51.57614694
-3.99787631	51.57608220
-3.99784034	51.57601910
-3.99780506	51.57596150
-3.99779493	51.57594786
-3.99778279	51.57592958
-3.99777331	51.57591609
-3.99771498	51.57583660
-3.99766325	51.57576676
-3.99760895	51.57573429
-3.99754944	51.57569059
-3.99748019	51.57561266
-3.99746952	51.57560077
-3.99745763	51.57558836
-3.99738386	51.57551336
-3.99734226	51.57547142
-3.99728429	51.57541679
-3.99720553	51.57534743
-3.99712484	51.57527949
-3.99711100	51.57526824
-3.99704310	51.57521605
-3.99702774	51.57520452
-3.99695530	51.57515133
-3.99693972	51.57514019
-3.99686633	51.57508892
-3.99684969	51.57507764
-3.99677628	51.57502931
-3.99667902	51.57496865
-3.99660011	51.57492159
-3.99658297	51.57491161
-3.99648261	51.57485518
-3.99637574	51.57479830
-3.99635763	51.57478866
-3.99625186	51.57473662
-3.99623389	51.57472780

Longitude	Latitude
-3.99614701	51.57468796
-3.99605668	51.57464765
-3.99603608	51.57463871
-3.99600948	51.57462750
-3.99581388	51.57462061
-3.99569534	51.57457193
-3.99565402	51.57455324
-3.99561306	51.57453386
-3.99552594	51.57449510
-3.99551495	51.57449052
-3.99539657	51.57444333
-3.99529692	51.57440387
-3.99519581	51.57436192
-3.99517645	51.57435396
-3.99505664	51.57430616
-3.99495898	51.57426721
-3.99486049	51.57422748
-3.99473943	51.57417860
-3.99461865	51.57412984
-3.99450089	51.57408326
-3.99437965	51.57403588
-3.99428088	51.57399696
-3.99418274	51.57395816
-3.99408532	51.57391960
-3.99398791	51.57388104
-3.99389049	51.57384248
-3.99379307	51.57380391
-3.99367255	51.57375627
-3.99355094	51.57370858
-3.99328164	51.57384777
-3.99284701	51.57393397
-3.99242898	51.57378375
-3.99240342	51.57365032
-3.99224229	51.57362022
-3.99203428	51.57347643
-3.99210374	51.57322451
-3.99209756	51.57322277
-3.99197505	51.57318687
-3.99185275	51.57315468
-3.99178143	51.57313627
-3.99165197	51.57310142
-3.99152456	51.57306697
-3.99139252	51.57303181
-3.99126133	51.57299669
-3.99113268	51.57296250
-3.99100048	51.57292747
-3.99089245	51.57289888
-3.99076145	51.57286394
-3.99065519	51.57283583
-3.99052909	51.57280247
-3.99041573	51.57277237
-3.99028316	51.57273720
-3.99017697	51.57270904
-3.99007079	51.57268088
-3.98996460	51.57265272
-3.98983593	51.57261860
-3.98972567	51.57258935
-3.98970014	51.57258258
-3.98958841	51.57255192
-3.98955683	51.57254323

Licence Number: CML2128v1

Longitude	Latitude
-3.98942766	51.57251031
-3.98930022	51.57247652
-3.98916845	51.57244164
-3.98903644	51.57240657
-3.98900166	51.57239739
-3.98887616	51.57236400
-3.98874371	51.57232877
-3.98863716	51.57230050
-3.98850856	51.57226634
-3.98839743	51.57223662
-3.98826702	51.57220220
-3.98797037	51.57242583
-3.98696398	51.57216195
-3.98700449	51.57186452
-3.98693961	51.57184544
-3.98691309	51.57183719
-3.98688136	51.57182565
-3.98685134	51.57181349