

Form Rev. & Date

File:

08-EN - 2016/05/18

PSA - UXOS, CABLES**PIPELINE RECONNAISSANCE
SURVEY****Gas Pipeline Interconnection**
Malta-Italy Project**REPORT****Determination of positions of UXOs and cables**Co-financed by the European Union
Connecting Europe Facility**GAS PIPELINE INTERCONNECTION MALTA-ITALY**
POST SURVEY ASSESSMENTS

Produced by : Lighthouse S.p.A. - Bologna - Italy
Contract No. : CT3110/2018
Survey Area : Sicily Strait
Survey Period : Feb./March 2019

IDP	Delivery Date	File Name	Revision
MEW001	13/09/2019	UXOs, Cables - Final	Final
MEW001	30/08/2019	MEW001_WP2_DUWC_FINAL_Rev00.doc	Final
LIGHTHOUSE document control			
Prepared by		Checked by	Approved by
G. Sallese		M. Bernardi	E. Lozza
CUSTOMER document control			
Project Number	Checked by	Approved by	Date



LIGHTHOUSE GAS		GAS PIPELINE INTERCONNECTION MALTA-ITALY POST SURVEY ASSESSMENT DETERMINATION OF POSITIONS OF UXOS AND CABLES				 MINISTERU GHALL-ENERĠJA U L-IMMANIĠĠJAR TAL-ILMA
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1.0.0 DEFINITIONS AND ABBREVIATIONS

1.1.0 Definitions

CLIENT: Maltese Ministry for Energy and Water Management

CONTRACTOR: LIGHTHOUSE S.p.A.

1.2.0 Abbreviations

DCC	Distance Cross Course in metres
IDP	Identifier of Project
IS	In service
KP	Kilometre Post
LGH	Lighthouse Spa
m	Metre
MAG	Magnetometer
MBES	Multibeam Echosounder
nT	Nanotesla
OOS	Out of service
PMRS	Preliminary Marine Route Survey
PSA	Post Survey Assessment
ROV	Remote Underwater Vehicle
R/V	Research Vessel
SBP	Sub Bottom Profiler
SSS	Side Scan Sonar
UTM	Universal Transverse Mercator
UXO	Unexploded Ordnance
w.d.	Water Depth

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2.0.0 GENERAL CONSIDERATIONS

The company **Lighthouse S.p.A** of Bologna – was entrusted by **Maltese Ministry for Energy and Water Management** to perform a Preliminary Marine Route Survey (PMRS) in the Sicily Strait area, located between Italy and Malta. The PMRS included geophysical, geotechnical and environmental investigations. The scope of the project was to finalise the optimal pipeline route coordinates, including route turning and landing points of a 22" gas pipeline between Italy (Gela) and Malta (Delimara) (Figure 1).

The objectives of the project were as follows:

- **Work Package 1:** execution of the Preliminary Reconnaissance Marine Survey (PMRS) on the offshore pipeline routing corridor;
- **Work Package 2:** execution of Post Survey Assessment (PSA).

This document is part of the **Post Survey Assessment**.

The results of the PSA are organized into eight (8) separate reports. This report focuses on the "Determination of Positions of UXOs and Cables".

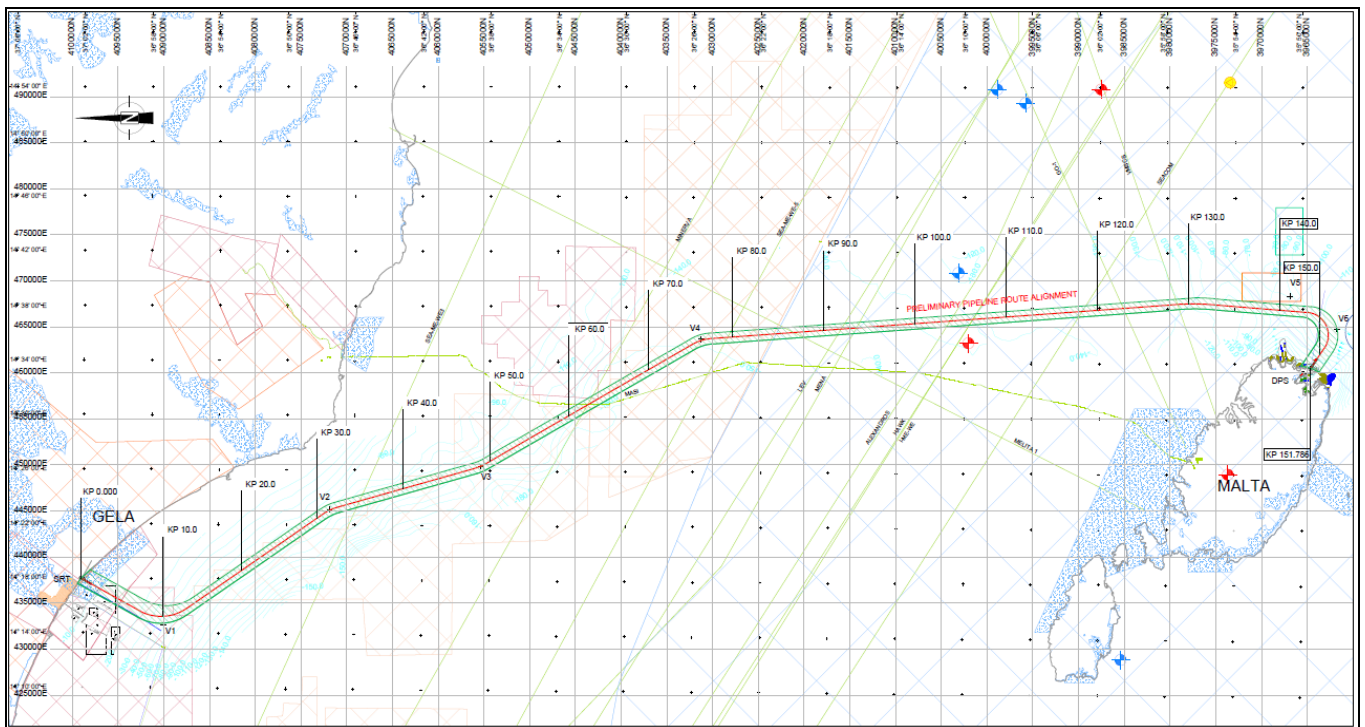




Figure 1 - Overview of reconnaissance survey route

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2.1.0 Introduction

This report is aimed to identify UXOs and cables located within the survey corridor that might interfere with the pipe installation. The position and the main features of each UXO and cable are reported in order to provide all the information needed to perform a correct risk assessment and to apply the mitigation measures.

The **basic design route** was provided by the Client representative onboard R/V Odin Finder at the beginning of the marine survey, see §10.1.0 APPENDIX 1 GWF66 - PIPELINE LAYING THEORETICAL ROUTE of the report "MEW001_GEOPHY_FINAL_REPORT_REV02.doc" (hereinafter referred to as the "**route**").


All the information presented in this report, both from geophysical data and ROV data have been discussed in detail in "MEW001_GEOPHY_FINAL_REPORT_REV02.doc" report.

2.2.0 Survey Geodetic System

The work was conducted, processed and reduced using the following geodetic parameters (Table 1).

Table 1 – Geodetic data and projection parameters

GEODETTIC PARAMETERS	
Datum	World Geodetic System 1984 (WGS84)
Reference Ellipsoid	World Geodetic System 1984 (WGS84)
Semi-major Axis (a)	6 378 137.000m
Semi-minor Axis (b)	6 356 752.314m
Inverse Flattening (1/f)	298.2572236
First eccentricity squared (e2)	6.69437999014x10-3
PROJECTION PARAMETERS	
Projection method	UTM 33N
Latitude Origin	0
Central Meridian (CM)	15°E
False East	500000m
False North	0m
Scale factor	0.9996

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3.0.0 PUBLICLY AVAILABLE INFORMATION

3.1.0 Cables

In order to identify the existing in-service (green colour) and out-of-service cables (cyan colour), the Lighthouse cable database and the database provided by the Client were used, as reported in Table 2 and Figure 2.

Table 2 – Existing cables list

Facility Name	Status
SEA-ME-WE3	/
MINERVA	IS
T Cable Malta Feasibility\Ma-Si Cable	/
AAE-1 CABLE	IS
MALTA-SICILY	IS
I ME WE S3	IS
FLAG SEG D	IS
SEA ME WE 5	/
ARTEMIS	OOS
MELITA	/
MELITA-1	/
LEV	/
MENA	/
SEA-ME-WE4 S1-10	IS
ALEXANDROS	IS
POZS GEO	/
SEA-ME-WE2 SEGD5	/
I ME WE	/
HAWK	/
GIBRALTAR-MALTA NO4	OOS
MALTA-POZZALLO NO1	OOS
CATANIA-MALTA_IS	IS
SEACOM	/
MALTA-POZZALLO NO2	OOS
GO-1	/
ALEXANDRIA-MALTA NO6	OOS
VODAFONE MALTA_SR2A	/
UNKNOWN CABLE	OOS
ZANTE-MALTA	OOS
MALTA-BENGHASI NO2	OOS
VMSCS	/

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Facility Name	Status
ALEXANDRIA-MALTA NO4	OOS
ALEXANDRIA-MALTA NO3	OOS
ALEXANDRIA-MALTA NO1	OOS
MALTA-TRIPOLI 1	OOS
MALTA-TRIPOLI 2	OOS

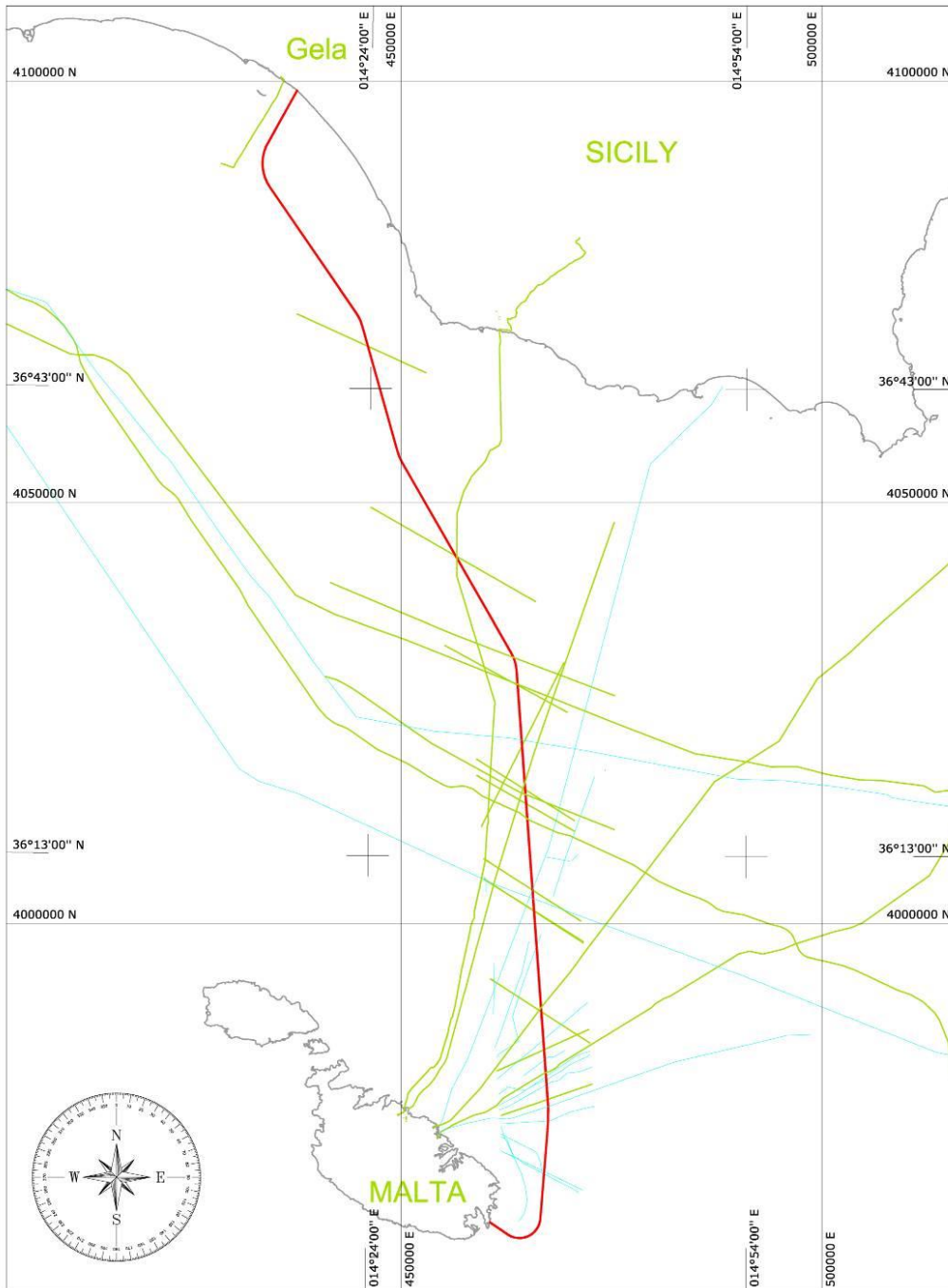




Figure 2 - Existing cables overview

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3.2.0 Pipelines

The existing and the planned pipelines have been sourced from the Lighthouse and the Client pipelines database. Offshore Gela the only identified pipeline is the 32" Greenstream Pipeline. It runs parallel to the basic design route, approximately 560-630m to the NW, until KP9. From KP9 the Greenstream pipeline turns SW while the basic design route turns S-SE.

No Pipeline have been identified in the Offshore section and in Malta Nearshore area.

Figure 3 shows a map of the existing and the planned pipelines within the Italy Nearshore area.

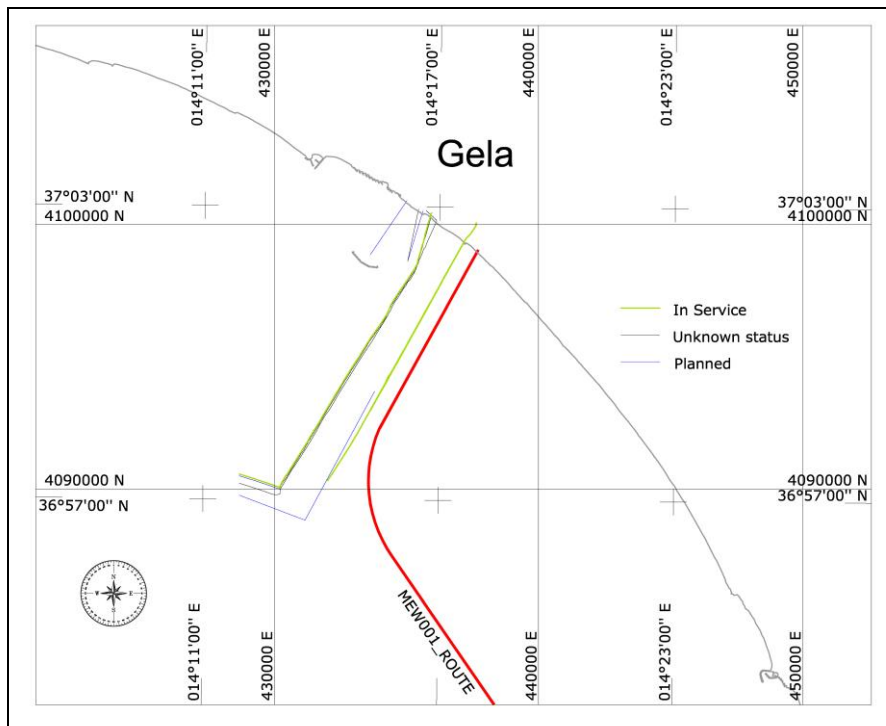



Figure 3 – Italy Nearshore: existing and planned pipelines

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4.0.0 RESULTS FROM PMRS DATA STUDY


A summary of the detected SSS contacts and magnetic anomalies (from PMRS study) is shown in Table 3.

Table 3 – Detected SSS contacts and magnetic anomalies (PMRS study)

	Features	Italy Nearshore	Italy-Malta Offshore	Malta Nearshore
SSS Contacts	Pipelines/Cables	3	10	-
	Other Man-made Structures	6	214	165
Magnetic Anomalies	Pipelines/Cables	406	114	-
	Other Man-made Structures	72	427	150

Unless otherwise specified all the coordinates reported in this report and consequently all the KP and DCC measurements, are referred to the basic design route provided by the Client representative onboard R/V Odin Finder at the beginning of the marine survey.

All the DCC measurements in the following tables are positive (+) is on the right side of the pipeline and negative (-) if on the left side of the pipeline considering the increase of the KP from Gela to Malta.

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4.1.0 Cables and Pipelines from Geophysical Data

Three **(3)** out of nine **(9) SSS contacts** detected within the **Italy Nearshore** area, have been interpreted as pipeline related structures, while the remaining six **(6)** are described in §4.2.0 and are not associated with cables/pipelines.

Based on their distance from the basic design route, the detected nine (9) SSS contacts can be divided as follows:

- One (1) target is located less than 20m from the route
- three (3) targets are located between 100m and 500m from the route
- five (5) targets are located more than 500m from the route

Four hundred and six **(406)** out of four hundred and seventy-eight **(478) magnetic anomalies** detected within the **Italy Nearshore** area, are related to the Greenstream and Greenstream spur line pipelines and were not charted. The remaining seventy-two **(72)** anomalies, are divided in nine **(9)** groups and nine **(9)** scattered anomalies, and described in §4.2.0.

Based on their distance from the basic design route, the detected nine **(9)** groups and nine **(9)** scattered anomalies, can be divided as follows:

- Ten (10) magnetic anomalies are located between 100m and 500m from the route
- Eight (8) magnetic anomalies are located at more than 500m from the route

Ten **(10)** out of two hundred and twenty-four **(224) SSS contacts** detected within the **Italy-Malta offshore** corridor have been interpreted as pipelines/cables related structures (Table 9), while the remaining two hundred and fourteen **(214)** are described in §4.2.0.



Based on their distance from the basic design route, the detected SSS contacts can be divided as follows:

- Eight (8) targets are located less than 20m from the route
- Eleven (11) targets are located between 20m and 50m from the route
- Twenty-nine (29) targets are located between 50m and 100m from the route
- Seventy (70) targets are located between 100m and 500m from the route
- One hundred and six (106) targets are located more than 500m from the route

One hundred and fourteen **(114)** out of five hundred and forty-six **(546) magnetic anomalies** detected within the **Italy-Malta offshore** survey corridor are related to pipelines/cables (Table 13), while the remaining four hundred and twenty-eight **(428)** are described in §4.2.0.

Based on their distance from the basic design route, the detected magnetic anomalies can be divided as follows:

- Two hundred and five (205) magnetic anomalies are located at less than 20m from the route
- One hundred and fifty-six (156) magnetic anomalies located between 20m and 50m from the route
- Twelve (12) magnetic anomalies located between 50m and 100m from the route

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- Eighty-five (85) magnetic anomalies located between 100m and 500m from the route
- Eighty-eight (88) magnetic anomalies located at more than 500m from the route

An example of the detected magnetic anomalies related to cable is shown in the following Figure 4.

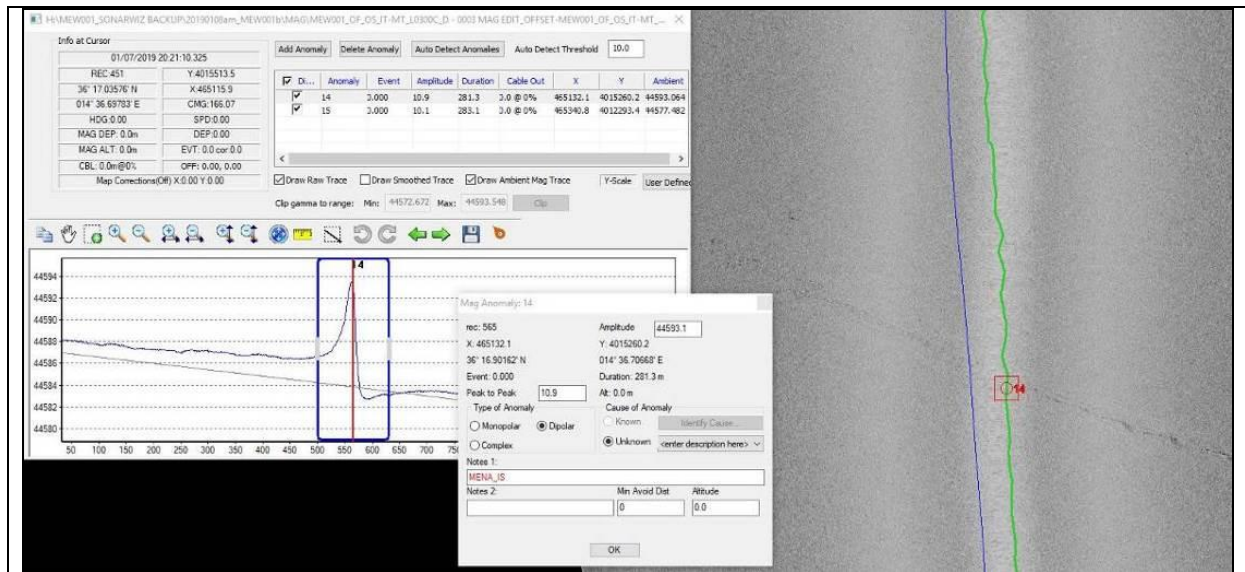


Figure 4 - Magnetometer data example: magnetic anomaly M0476 on Mena IS cable

A total of one hundred sixty-six (**166**) **SSS contacts** were detected within the **Malta Nearshore** corridor (from KP148.952 to KP150.836).



Based on their distance from the basic design route, the detected SSS contacts can be divided as follows:

- 2 targets are located at less than 20m from the route
- 2 targets are located between 20m and 50m from the route
- 4 targets are located between 50m and 100m from the route
- 39 targets are located between 100m and 500m from the route
- 110 targets are located at more than 500m from the route
- The remaining nine (9) targets are located in the north-westernmost section of the survey corridor. Their distance was not calculated as they are located to the west of the last KP on the proposed pipeline route.

A total of one hundred and fifty-one (**151**) **magnetic anomalies** were detected within the **Malta Nearshore** section of the survey corridor.

Based on their distance from the basic design route, the detected magnetic anomalies can be divided as follows:

- 4 magnetic anomalies are located at less than 20m from the route

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- 4 magnetic anomalies located between 20m and 50m from the route
- 7 magnetic anomalies located between 50m and 100m from the route
- 51 magnetic anomalies located between 100m and 500m from the route
- 80 magnetic anomalies located at more than 500m from the route

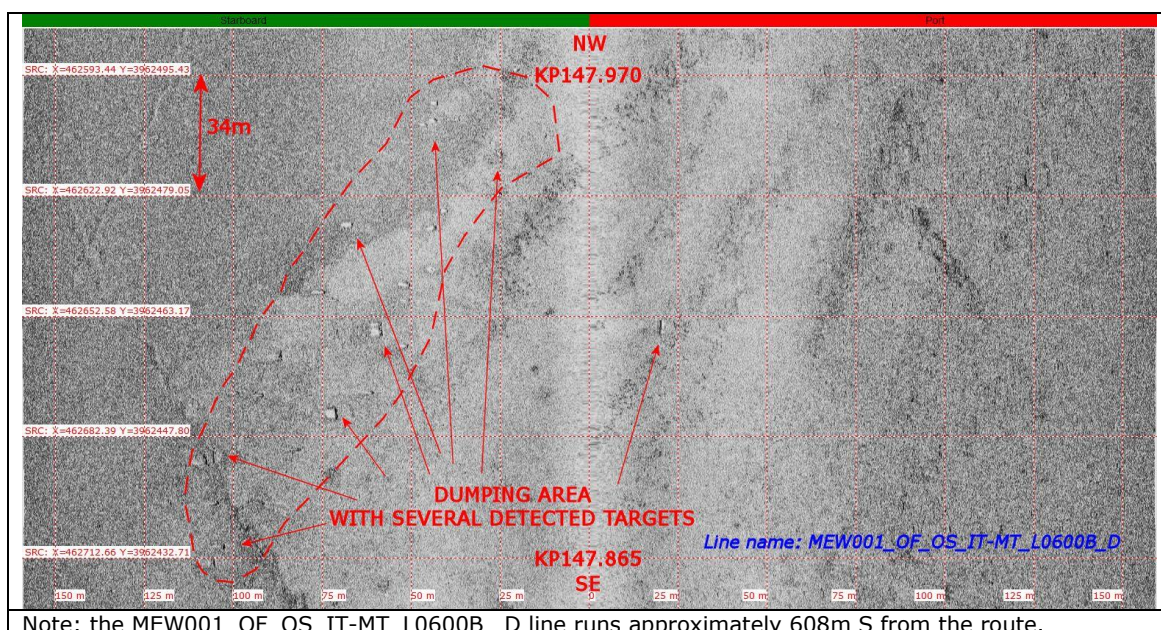
The remaining four (4) targets are located to the West of KP150.836, therefore their distance from the proposed pipeline route has not been measured.

4.2.0 Other Man-made Structures from Geophysical Data

Two (2) out of nine (9) **SSS contacts** detected in the **Italy Nearshore** area, have been classified as concrete blocks covered by biofouling (as result of the visual inspection survey) and the remaining four (4) out of nine (9) have been interpreted as unknown objects and are related to SBP targets and/or magnetic anomalies as detailed in Table 8. They are not associated with cables/pipelines.



Seventy-two (72) out of four hundred and seventy-eight (478) **magnetic anomalies** detected within the **Italy Nearshore** area are not associated with cables/pipelines. Five (5) anomalies, divided into two (2) main groups, are described as unknown objects associated with SSS and SBP targets. The remaining sixty-seven (67) are scattered anomalies with no association from other kind of data. Fifty-eight (58) out of the sixty-seven (67) anomalies described as unknown objects have been divided in seven (7) groups, while the remaining nine (9) are scattered within the surveyed area (Table 12).

Two hundred and nine (209) out of two hundred and twenty-four (224) **SSS contacts** detected in the **Italy-Malta offshore** corridor are not associated with cables/pipelines. Seventeen (17) targets detected by SSS have a length greater than 10m. The most remarkable ones are represented by two unknown objects (T0181 and T0206) and a big dumping area (Figure 5) with several objects. The targets list is displayed in Table 10.



Note: the MEW001_OF_OS_IT-MT_L0600B_D line runs approximately 608m S from the route.

Figure 5 - SSS data example: dumping area with several detected targets

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Excluding all the anomalies generated by pipelines/cables a total of four hundred and twenty-eight **(428) magnetic anomalies** were detected within the **Italy-Malta offshore** corridor (Table 14).

A total of one hundred sixty-six **(166) SSS contacts** were detected within the **Malta Nearshore** corridor and they are not related to cables/pipelines. The list of all the objects detected is displayed in Table 11.



A total of one hundred and fifty **(150) magnetic anomalies** were detected within the **Malta Nearshore** section of the survey corridor (Table 15) and were not related to cables/pipelines. Ninety-five (95) of them have an "Unknown origin", while thirty-four (34) magnetic anomalies correspond to target detected also with Side Scan Sonar. Most of the remaining are referred to mooring blocks with ropes or to anchors and anchor chains.

4.3.0 Man-made Features from ROV Survey

Following the geophysical survey results, an ROV visual inspection campaign aimed to better investigate the findings (both natural and anthropogenic) was planned.

Based on the interpretation of MBES, SSS, SBP and Magnetometer data collected during the geophysical phase of the PMRS, a total of forty-nine (49) lines were planned for a visual investigation. The ROV visual survey allowed the identification of one hundred and nineteen (119) targets: for details see Table 16.

Unless otherwise specified all the coordinates reported in Table 16 and consequently all the KP and DCC measurements, are referred to the ROV position during the visual identification of each object. Reference route is the basic design route provided by the Client representative onboard R/V Odin Finder at the beginning of the marine survey.

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5.0.0 UXO SURVEY RESULTS

5.1.0 UXO DETECTED DURING PMRS GEOPHYSICAL SURVEY

During the geophysical and UXO surveys a total of three **(3) SSS contacts** and nine **(9) ROV contacts** were detected within the **Italy-Malta Offshore** corridor. They were interpreted as:

- two squid bombs (MEW001_V023 and MEW001_V027)
- four naval mines (MEW001_V119, MEW001_T374, MEW001_T463, MEW001_T490)
- six barrels/possible depth charges (MEW001_V003, MEW001_V053, MEW001_V054, MEW001_V058, MEW001_V060, MEW001_V061).

Based on their distance from the basic design route, the detected UXO targets can be divided as follows:

- 1 target is located at less than 20m from the route
- 5 targets are located between 100m and 500m from the route
- 6 targets are located at more than 500m from the route

Unless otherwise specified all the KP and DCC measurements, are referred to the basic design route provided by the Client representative onboard R/V Odin Finder at the beginning of the marine survey (Table 4 and Table 5).


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Table 4 – ROV detected UXOs

ID	Easting (m)	Northing (m)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_V003	453346.94	4048415.30	389.71	56.621	Barrel/Possible depth charge (*)
MEW001_V023	466138.46	3964714.30	372.04	143.403	Squid bomb #1
MEW001_V027	466262.60	3964315.95	130.71	143.782	Squid bomb #2
MEW001_V053	462419.45	3962613.48	-594.86	148.139	Barrel/Possible depth charge #1 (*)
MEW001_V054	462432.73	3962619.71	-582.46	148.133	Barrel/Possible depth charge #2 (*)
MEW001_V058	462450.40	3962625.65	-567.98	148.123	Barrel/Possible depth charge (*)
MEW001_V060	462128.88	3962825.82	-581.96	148.481	Barrel/Possible depth charge (*)
MEW001_V061	462040.81	3962882.68	-584.65	148.586	Barrel/Possible depth charge (*)
MEW001_V119	461365.81	3963823.19	-188.36	149.674	Naval Mine #1 (close to T0479/M1177)

Table 5 – SSS detected UXOs

ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0374	461466.60	3964686.29	6.1x2.6x0.5	581.33	150.077	Naval Mine #2 as detected by ROV
MEW001_T0463	461460.58	3963986.69	1.2x0.7x0.5	0.11	149.688	Naval mine #4 as detected by ROV
MEW001_T0490	461622.86	3964129.16	0.62x0.53x0.47	209.26	149.634	Naval Mine #3 as detected by ROV

5.2.0 GELA UXO SURVEY RESULTS

The Gela UXO survey results are presented in “Valutazione del Rischio Bellico” in Appendix 6.9.0.


The document is in Italian language, and the results are summarized below.

The tools used in order to evaluate and define the residual war hazard in the studied area are:

- Preliminary historical study
- Documentary Analysis
- Geophysical Survey

5.2.1 Preliminary Historical Study

The historiographical analysis of the site confirms a documented war activity carried out in the territory surrounding the areas affected by this project, mainly attributable to ground activity (direction of Anglo-American advance during World War 2 - risk: potential discovery of small /

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medium caliber artillery shells) and Anglo-American air raids (Allied planes bombing - risk: unexploded potential bomb discovery - mass type: aviation bomb of average variable weight, mainly 500 or 1000 lbs).

5.2.2 Documentary Analysis

The documentary analysis of the area presents a project intervention that foresees the execution of geotechnical and environmental investigations preparatory to the laying of a Gas pipeline.

5.2.3 Geophysical Survey

Indirect instrumental analysis has covered the three borehole locations, for a total area of about 23.52 square meters, and allowed to map the magnetic field anomalies in the area.

During the geophysical survey and subsequent data processing, it was NOT found any anomaly of the magnetic field detected in the seabed related to structures, materials or any identifiable anthropic interventions, that can be classified as non-comparable to medium-sized bombs or large dimensions. All 3 Points were subject to monitoring at the maximum depths of penetration estimated for bombs of this size.

5.2.4 Conclusion

The outcome of geophysical field monitoring is documented for the entire area analyzed, the absence of singular or heterogeneous, magnetic anomalies associated to potential war risk. This allowed to assess the residual war risk assessment attributable to the project site, provided by the Security Coordinator at the time of survey, towards a level of general acceptability.

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6.0.0 APPENDICES

6.1.0 Cable Crossings List


A total of twenty (20) cable crossings have been detected along the whole basic design route. Ten (10) were detected by means of Side scan sonar and magnetometer, while the other ten (10) were detected only by means of magnetometer data. The cable crossings list is shown in Table 6.

Table 6 – Cable crossings list (PMRS study)

Facility Name	Status	Theoretical Position			As-found Position			Note
		Easting (m)	Northing (m)	KP	Easting (m)	Northing (m)	KP	
POSSIBLE UNKNOWN CABLE	/	/	/	/	446359.23	4067616.41	36.111	From MAG
SEA-ME-WE3 MINERVA	/	446084.94	4068591.74	35.098	/	/	/	/
T Cable Malta Feasibility\Ma-Si Cable	IS	456501.38	4043702.58	62.279	/	/	/	/
UNKNOWN CABLE	/	456634.95	4043469.88	62.547	456629.43	4043479.47	62.536	/
AAE-1 CABLE	/	/	/	/	459276.01	4038868.69	67.853	From SSS/MAG
Malta-Sicily	IS	461043.63	4035789.21	71.403	461045.63	4035785.73	71.407	From SSS/MAG
I ME WE S3	/	461660.54	4034714.46	72.643	/	/	/	/
FLAG SEG D	IS	463359.09	4031676.29	76.125	463350.10	4031697.67	76.102	From SSS/MAG
SEA ME WE 5 ARTEMIS	IS	463850.25	4028474.83	79.381	463854.31	4028418.96	79.437	From SSS/MAG
	Planned	463857.96	4028368.69	79.488	/	/	/	/
	OOS	464330.01	4021869.94	86.004	464331.55	4021848.61	86.025	From MAG
MELITA-1	/	464383.19	4021137.77	86.738	464786.79	4015581.39	92.309	UNKNOWN CABLE (PROBABLE MELITA-1_IS) (From MAG/SSS)
LEV	/	464760.10	4015948.77	91.940	/	/	/	/
MENA	/	464880.69	4014288.69	93.604	464800.52	4015392.30	92.498	From SSS/MAG
SEA-ME-WE4 S1-10	IS	465009.62	4012513.69	95.384	465009.18	4012519.62	95.378	From SSS/MAG
ALEXANDROS	IS	465624.65	4004046.48	103.874	/	/	/	/
POZSGEO	/	465624.65	4004046.47	103.874	/	/	/	/
SEA-ME-WE2 SEG5	OOS	465699.07	4003021.86	104.901	465698.38	4003031.24	104.892	From SSS/MAG
I ME WE	/	465803.98	4001577.56	106.349	/	/	/	/
HAWK	/	465807.22	4001532.94	106.394	/	/	/	/
MALTA-POZZALLO NO1	OOS	466110.40	3997359.08	110.579	/	/	/	/
UNKNOWN CABLE	/	/	/	/	465944.44	3999643.79	108.288	From SSS/MAG
CATANIA-MALTA	IS	466640.59	3990059.83	117.897	466639.78	3990070.90	117.886	From MAG
					466640.11	3990066.45	117.890	From SSS
SEACOM	/	466673.34	3989608.99	118.349	/	/	/	/
MALTA-POZZALLO NO2	OOS	466916.96	3986255.03	121.712	466916.78	3986257.43	121.710	From MAG
GO-1	/	467000.29	3985107.80	122.863	466988.32	3985272.59	122.697	From MAG
ALEXANDRIA-MALTA NO6	OOS	467086.43	3983921.89	124.052	467088.17	3983897.84	124.076	From MAG

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Facility Name	Status	Theoretical Position			As-found Position			Note
		Easting (m)	Northing (m)	KP	Easting (m)	Northing (m)	KP	
VODAFONEMALTA_SR2A	/	467198.72	3982375.98	125.602	467196.86	3982401.56	125.576	From SSS/MAG
UNKNOWN	OOS	467232.25	3981914.35	126.064	/	/	/	/
ZANTE-MALTA	OOS	467259.62	3981537.51	126.442	/	/	/	/
MALTA-BENGHASI NO2	OOS	467301.22	3980964.74	127.016	467303.55	3980932.76	127.049	From MAG
VMSCS	/	467438.10	3979193.79	128.793	/	/	/	/
ALEXANDRIA-MALTA NO4	OOS	467479.26	3978332.42	129.655	/	/	/	/
ALEXANDRIA-MALTA NO3	OOS	467478.32	3976644.34	131.323	467478.97	3976664.51	131.344	From MAG
ALEXANDRIA-MALTA NO1	OOS	467016.35	3970634.12	137.372	467005.86	3970504.47	137.502	From MAG
		466992.30	3970336.82	137.670				
MALTA-TRIPOLI 2	OOS	466855.69	3968648.55	139.364	466857.29	3968668.34	139.344	From MAG

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6.2.0 Side Scan Sonar Contacts List (Italy Nearshore area)


In the following tables have been reported the ID of the sonar contacts with relative coordinates, dimensions, KP and description. In particular the DCC measurements for the right side (+) are referred to the west side of the basic design route; otherwise the DCC measurements for the left side (-) are referred to the eastern side of the basic design route.

Table 7 – Pipelines/Cables : SSS contacts list (Italy Nearshore)

ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ right side, - left side)	KP	Description
MEW001d_T001	436596.73	4098286.29	1.58x0.68x0.09	610	1.202	Pipeline related structure
MEW001d_T002	436429.72	4097990.28	0.68x0.24xnmh	613	1.542	Pipeline related structure
MEW001d_T003	436186.55	4097551.99	2.61x1.03xnmh	613	2.044	Probable pipeline related structure covered by vegetation

Table 8 – Other Man-made Structures: SSS contacts list (Italy Nearshore)

ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ right side, - left side)	KP	Description
MEW001d_T004	436282.49	4097495.12	1.71x1.10xnmh	502	2.047	Unknown object
MEW001d_T005	436874.49	4097175.95	2.17x0.75x1.73	-171	2.039	Probable anchor covered by vegetation (MAG anomaly MEW001d_M027 and SBP contact MEW001d_H001 associated)
MEW001d_T006	435820.77	4093937.20	5.64x4.01x0.59	-817	5.383	Three metallic cylinders (MAG anomaly MEW001d_M330 associated)
MEW001d_T007	433688.08	4089159.53	0.79x0.95xnmh	0.53	10.917	Unknown circular object (MAG anomaly MEW001_M0801)
MEW001d_T008	437244.62	4099171.16	5.22x2x0.73	-471.42	0.114	Description: concrete blocks covered by biofouling/ MAG anomaly MEW001d_M1183/ SBP target MEW001d_H009
MEW001d_T009	437272.81	4099159.66	15.11x6.52x1.04	-441.18	0.111	Description: concrete blocks covered by biofouling/ MAG anomaly MEW001d_M1180/SBP target MEW001d_H008

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6.3.0 Side Scan Sonar Contacts List (Italy-Malta Offshore corridor)

Table 9 – Pipelines/Cables : SSS contacts list (Italy-Malta Offshore)

ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0032	465502.34	3962887.19	7.9x0.7x0.5	-234.82	145.358	Probable bar and/or pipe
MEW001_T0049	466560.52	3991435.07	7.0x1.1x0.7	-19.78	116.52	Ferromagnetic object (Possible pipe)
MEW001_T0067	466417.73	3971423.56	16.0x1.4x1.4	660.35	136.633	Ferromagnetic object (Possible pipe)
MEW001_T0076	466545.29	3973251.38	8.1x0.4x0.6	680.61	134.801	Possible pipe section
MEW001_T0210	464424.67	3962802.09	4.3x0.3x0.4	55.88	146.370	Cable as detected by ROV
MEW001_T0024	462640.18	3962349.74	2.9x0.4x0.2	-714.85	147.882	Probable bars
MEW001_T0025	462667.76	3962338.06	2.4x0.3x0.2	-713.02	147.861	Probable bar
MEW001_T0027	462144.16	3962674.65	2.4x0.3x0.5	-698.20	148.383	Probable bar
MEW001_T0029	462199.02	3962661.21	3.2x0.4x0.4	-678.38	148.331	Group of bars
MEW001_T0036	467038.23	3983272.55	7.6x1.2x0.9	95.11	124.696	Unknown object - Possible Pipe

Table 10 – Other Man-made Structures: SSS contacts list (Italy-Malta Offshore)

ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0005	466616.95	3963553.90	0.7x0.5x0.4	-540.42	144.256	Possible boulder
MEW001_T0006	466815.87	3963845.51	2.3x0.7x1.0	-567.97	143.968	Possible ferromagnetic object
MEW001_T0008	466312.51	3963162.75	2.9x0.4x0.3	-539.95	144.664	Unknown elongated object
MEW001_T0009	465401.74	3963372.41	2.7x0.5x0.9	225.35	145.172	Unknown elongated object
MEW001_T0010	465690.18	3963883.89	4.1x1.1x1.0	403.17	144.53	Possible pinnacle
MEW001_T0011	464278.27	3963006.41	1.9x0.5x1.1	275.72	146.501	Unknown elongated objects
MEW001_T0015	462644.48	3962388.27	3.4x0.5x0.8	-678.54	147.896	Unknown elongated object
MEW001_T0016	462598.77	3962417.35	1.3x0.3x0.8	-673.82	147.934	Group of small scattered objects
MEW001_T0017	462628.80	3962410.49	4.1x0.7x1.0	-665.95	147.912	Unknown elongated object
MEW001_T0018	462623.05	3962382.21	3.0x0.9x0.7	-693.69	147.904	Unknown elongated object
MEW001_T0019	462612.13	3962401.06	1.2x0.5x0.9	-682.01	147.923	Unknown object
MEW001_T0020	462584.16	3962452.65	1.2x0.5x0.8	-649.62	147.96	Group of small scattered objects
MEW001_T0021	462610.56	3962437.72	1.3x0.5x0.9	-650.30	147.934	Unknown object
MEW001_T0022	462621.28	3962423.49	0.9x0.2x0.9	-657.90	147.925	Unknown object
MEW001_T0023	462636.68	3962415.19	0.5x0.3x1.1	-658.14	147.908	Unknown object
MEW001_T0026	462112.72	3962685.68	3.0x0.3x0.5	-706.83	148.416	Probable scaffolding
MEW001_T0028	462162.37	3962671.42	1.5x0.8x0.4	-690.61	148.367	Unknown object
MEW001_T0030	462657.86	3962903.80	6.8x1.8x0.3	-222.20	148.099	Unknown object
MEW001_T0031	464211.43	3962322.55	3.0x1.4x0.7	-402.28	146.61	Unknown object

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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0033	465991.03	3963268.77	0.7x0.5x0.7	-234.99	144.788	Unknown object
MEW001_T0034	466147.79	3963454.40	2.9x1.0x0.5	-223.41	144.567	Unknown object
MEW001_T0035	466891.75	3986122.07	3.6x1.6x1.2	34.77	121.843	Unknown ferromagnetic object
MEW001_T0038	467131.90	3967241.27	1.9x1.0x0.6	-388.81	140.744	Unknown ferromagnetic object
MEW001_T0039	467217.00	3967392.95	2.8x1.6x2.2	-461.40	140.586	Unknown object
MEW001_T0040	467224.06	3967532.56	2.7x0.9x1.8	-457.18	140.447	Unknown object
MEW001_T0041	467245.71	3967616.22	3.1x1.2x2.0	-472.01	140.362	Unknown object
MEW001_T0042	467263.47	3967731.53	2.8x1.5x2.0	-480.41	140.245	Unknown object
MEW001_T0043	467351.18	3967872.08	5.4x0.8x1.8	-556.49	140.098	Unknown object
MEW001_T0044	467374.46	3968260.58	4.4x3.7x1.8	-548.37	139.709	Unknown object
MEW001_T0046	467514.35	3970224.55	5.6x4.4x3.4	-529.41	137.74	Unknown object
MEW001_T0047	467052.31	3982574.55	4.4x2.2x1.9	131.64	125.393	Unknown object
MEW001_T0048	467199.10	3967010.34	3.7x2.7x1.3	-474.41	140.969	Unknown object
MEW001_T0050	467493.66	3971471.80	3.0x1.4x1.0	-408.19	136.499	Unknown object
MEW001_T0051	467391.40	3971758.41	4.4x1.8x3.1	-283.15	136.221	Unknown object
MEW001_T0052	466432.25	3993144.43	3.3x0.7x0.5	-15.67	114.806	Unknown ferromagnetic object
MEW001_T0053	467761.78	3972135.83	3.1x2.0x1.3	-621.88	135.815	Unknown object / Possible fixed mooring object with rope
MEW001_T0054	467781.24	3972147.39	3.7x2.6x1.3	-640.35	135.802	Unknown object
MEW001_T0055	467791.47	3972138.01	4.4x2.6x1.3	-651.30	135.81	Unknown object
MEW001_T0056	467769.87	3972250.52	7.5x2.7x0.9	-620.70	135.7	Unknown object
MEW001_T0057	467743.89	3972334.73	3.5x0.8x0.4	-588.01	135.618	Unknown object
MEW001_T0059	467735.75	3976036.78	2.9x2.2x2.5	-283.78	131.936	Unknown ferromagnetic object
MEW001_T0060	466879.65	3976870.43	5.3x2.9x0.8	604.87	131.132	Unknown ferromagnetic object
MEW001_T0061	466198.69	3991527.18	10.4x5.0x0.9	334.43	116.402	Unknown ferromagnetic object
MEW001_T0062	466172.96	3991544.18	2.3x2.7x2.1	358.87	116.383	Unknown ferromagnetic object
MEW001_T0063	466148.79	3991400.70	13.4x3.6x2.0	393.37	116.524	Unknown object
MEW001_T0064	467424.03	3975737.76	6.6x1.1x0.7	9.15	132.252	Unknown ferromagnetic object
MEW001_T0065	467343.67	3974617.30	3.5x0.3x0.1	-5.00	133.375	Unknown ferromagnetic object
MEW001_T0066	467413.32	3974602.62	8.2x1.0x0.4	-75.61	133.384	Unknown object
MEW001_T0068	466271.29	3967824.11	2.9x1.5x0.7	516.00	140.233	Unknown object
MEW001_T0069	466537.49	3969839.98	10.6x3.9x1.9	413.26	138.202	Unknown object
MEW001_T0070	466370.89	3969082.45	11.8x6.5x2.0	518.21	138.971	Unknown object
MEW001_T0071	466765.71	3969572.41	5.2x2.4x0.7	164.2	138.45	Unknown object
MEW001_T0072	467696.72	3973204.54	3.6x0.7x0.3	-470.85	134.755	Possible mooring blockt
MEW001_T0073	465996.54	3965166.32	1.7x1.0x0.7	575.50	142.904	Possible boulder

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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ right side, - left side)	KP	Description
MEW001_T0074	466265.50	3967513.82	5.8x0.4x0.4	496.75	140.543	Unknown elongated object
MEW001_T0075	466272.77	3967496.66	5.3x0.9x0.5	488.13	140.559	Unknown elongated object
MEW001_T0078	466726.38	3974491.13	5.1x1.3x1.0	600.11	133.551	Unknown ferromagnetic object
MEW001_T0079	466757.15	3977024.07	3.6x0.9x1.1	730.66	130.977	Unknown object
MEW001_T0080	467900.31	3979523.24	7.8x1.2x0.6	-484.03	128.499	Unknown elongated object
MEW001_T0081	466504.96	3973060.73	1.6x0.6x0.8	705.43	134.995	Unknown object
MEW001_T0082	466676.61	3984933.46	7.0x0.9x0.5	335.46	123.013	Possible scaffolding
MEW001_T0083	467104.70	3979104.26	6.1x0.5x0.5	338.35	128.862	Unknown elongated object
MEW001_T0084	467164.38	3976354.93	1.4x1.0x1.2	302.63	131.646	Unknown object
MEW001_T0085	466728.00	3971098.32	0.4x0.3x0.6	324.85	136.933	Possible fixed mooring object with rope
MEW001_T0087	466142.40	3989362.32	2.1x0.4x0.6	547.41	118.557	Possible debris_dumping material
MEW001_T0088	465952.12	3989632.53	3.9x1.6x4.0	717.62	118.274	Unknown object at the edge of a hollow
MEW001_T0090	466168.45	3968694.45	3.4x0.6x1.0	688.71	139.374	Unknown elongated object
MEW001_T0091	466653.57	3972715.52	7.7x2.2x2.1	529.47	135.327	Possible pinnacle
MEW001_T0092	467547.95	3976759.63	9.3x1.2x0.6	-66.11	131.226	Unknown object
MEW001_T0093	467677.37	3970562.21	5.6x1.4x2.0	-664.66	137.39	Unknown object
MEW001_T0094	467667.70	3970600.15	3.4x1.7x1.7	-651.97	137.353	Unknown object
MEW001_T0095	467647.10	3970602.61	2.5x0.9x2.4	-631.23	137.353	Unknown object
MEW001_T0096	467648.31	3970624.31	1.5x0.7x2.3	-630.69	137.331	Unknown object
MEW001_T0097	467660.21	3970691.06	5.3x2.9x1.2	-637.17	137.263	Unknown object
MEW001_T0098	467666.91	3970711.38	4.7x2.7x2.0	-642.21	137.242	Unknown object
MEW001_T0099	467691.06	3970728.62	4.5x2.4x1.8	-664.89	137.223	Unknown object
MEW001_T0100	467693.50	3970732.44	4.9x2.2x1.7	-667.01	137.219	Unknown object
MEW001_T0101	467689.37	3970737.04	2.6x1.3x2.1	-662.53	137.215	Unknown object
MEW001_T0102	467699.04	3970748.91	2.9x1.6x1.9	-671.20	137.202	Unknown object
MEW001_T0103	467681.45	3970790.46	3.2x1.6x2.0	-650.32	137.163	Unknown object
MEW001_T0104	467729.44	3970783.61	3.6x1.1x0.2	-698.71	137.165	Unknown object
MEW001_T0105	467716.87	3970773.53	2.2x0.7x2.0	-686.99	137.177	Unknown object
MEW001_T0106	467714.55	3970755.68	2.9x1.3x1.7	-686.12	137.194	Unknown object
MEW001_T0107	467702.09	3970855.19	5.8x3.4x1.7	-665.67	137.096	Unknown object
MEW001_T0108	467746.31	3970901.25	7.9x4.5x1.7	-706.03	137.047	Unknown object
MEW001_T0109	467678.68	3970534.07	2.9x1.7x1.9	-668.24	137.418	Unknown object
MEW001_T0110	467232.91	3970825.27	6.4x1.5x0.4	-200.43	137.164	Unknown object
MEW001_T0111	467398.20	3979107.50	10.2x2.3x0.6	45.20	128.876	Unknown ferromagnetic object
MEW001_T0112	467201.28	3982083.78	5.2x1.0x0.6	18.61	125.893	Ferromagnetic object
MEW001_T0113	467221.79	3982112.38	3.5x0.9x0.4	-3.92	125.866	Unknown ferromagnetic object
MEW001_T0114	467722.07	3982283.89	3.7x1.6x1.1	-515.31	125.731	Unknown object

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 24/ 63
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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0115	467127.03	3983925.70	7.4x3.6x2.3	-40.77	124.051	Unknown ferromagnetic object
MEW001_T0116	467014.76	3984182.16	4.0x3.0x0.2	52.63	123.787	Unknown object
MEW001_T0117	466933.64	3985280.48	3.3x1.3x3.5	53.96	122.685	Unknown ferromagnetic object
MEW001_T0118	467330.26	3989037.15	10.3x7.4x5.0	-613.77	118.967	Possible boulder
MEW001_T0119	466625.39	3990889.32	5.1x3.1x0.9	-44.94	117.069	Unknown object
MEW001_T0120	466585.37	3990876.80	4.2x0.4x0.4	-4.12	117.079	Unknown ferromagnetic object
MEW001_T0121	467092.86	3985517.48	17.6x14.4x0.2	-122.01	122.461	Unknown object
MEW001_T0123	466874.28	3964132.17	4.0x1.2x1.0	-505.66	143.732	Probable boulder
MEW001_T0125	462341.84	3963582.61	6.9x1.4x1.2	163.16	148.732	Unknown elongated object
MEW001_T0129	462172.99	3962706.85	1.0x0.3x0.3	-655.36	148.378	Unknown object
MEW001_T0130	462280.70	3962816.61	0.8x0.3x0.6	-503.98	148.351	Unknown object
MEW001_T0132	462162.76	3962691.61	1.9x0.3x0.5	-673.71	148.378	Unknown elongated object
MEW001_T0134	462149.62	3962702.89	0.9x0.1x0.5	-671.81	148.395	Unknown object
MEW001_T0135	462198.20	3962672.40	1.2x0.2x0.7	-669.61	148.337	Unknown elongated object
MEW001_T0137	462190.61	3962651.92	2.6x0.3x0.3	-690.79	148.332	Unknown elongated object
MEW001_T0138	462210.83	3962650.62	2.6x0.3x0.5	-680.47	148.315	Unknown elongated object
MEW001_T0139	462229.31	3962658.38	0.6x0.1x0.8	-663.64	148.304	Unknown object
MEW001_T0140	462223.97	3962661.54	0.3x0.3x0.5	-664.04	148.31	Unknown object
MEW001_T0141	462256.94	3962628.23	0.6x0.2x0.5	-672.97	148.264	Unknown object
MEW001_T0142	462272.29	3962630.55	0.9x0.2x0.6	-662.39	148.253	Unknown elongated object
MEW001_T0143	462285.29	3962640.01	0.8x0.1x0.5	-647.26	148.247	Unknown object
MEW001_T0144	462242.77	3962642.13	0.5x0.4x0.6	-669.47	148.284	Unknown object
MEW001_T0145	462241.06	3962655.77	0.4x0.3x0.7	-659.17	148.293	Unknown object
MEW001_T0146	462664.49	3962479.42	4.0x0.2x0.7	-588.33	147.913	Unknown elongated object
MEW001_T0147	462579.65	3962454.40	0.9x0.2x0.7	-650.24	147.961	Unknown elongated object
MEW001_T0148	462583.38	3962449.14	0.3x0.3x0.7	-653.06	147.96	Unknown object
MEW001_T0149	462600.67	3962463.32	0.6x0.3x0.5	-632.40	147.954	Unknown object
MEW001_T0150	462610.71	3962457.41	1.0x0.4x0.3	-632.86	147.943	Unknown object
MEW001_T0151	462607.57	3962442.32	1.0x0.4x0.6	-647.65	147.938	Unknown elongated object
MEW001_T0152	462624.90	3962420.79	0.8x0.2x0.7	-658.62	147.921	Unknown object
MEW001_T0153	462630.17	3962371.71	0.5x0.5x0.6	-699.77	147.901	Unknown object
MEW001_T0154	462626.90	3962366.11	0.5x0.2x0.7	-706.24	147.902	Unknown object
MEW001_T0155	462658.38	3962357.94	0.4x0.2x0.2	-699.33	147.874	Unknown object
MEW001_T0156	462652.78	3962346.67	0.3x0.3x0.5	-711.91	147.874	Unknown object
MEW001_T0157	462649.32	3962374.08	0.7x0.2x0.6	-689.01	147.885	Unknown object
MEW001_T0159	462640.44	3962370.40	0.5x0.2x0.4	-696.31	147.892	Unknown object
MEW001_T0160	462646.41	3962335.47	1.9x0.4x0.1	-724.78	147.874	Unknown object

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 25/ 63
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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ right side, - left side)	KP	Description
MEW001_T0161	462664.42	3962343.24	2.0x0.5x0.2	-709.84	147.866	Unknown object
MEW001_T0162	462644.02	3962399.48	0.8x0.4x0.8	-668.74	147.902	Unknown object
MEW001_T0163	462582.42	3962478.61	0.9x0.2x0.3	-627.70	147.97	Unknown elongated object
MEW001_T0165	462356.14	3963551.17	8.0x1.7x1.1	145.25	148.702	Unknown elongated object
MEW001_T0166	463427.74	3961802.32	0.4x0.4x1.1	-981.76	147.194	Unknown object
MEW001_T0178	466541.45	3990118.12	4.3x1.5x1.3	94.65	117.832	Unknown object
MEW001_T0179	467315.00	3982003.03	1.7x0.2x0.9	-88.96	125.982	Unknown object
MEW001_T0181	464179.07	3962801.00	29.8x1.8x0.7	77.11	146.621	Unknown object
MEW001_T0183	464644.05	3962836.39	8.2x0.7x0.3	48.73	146.144	Unknown elongated object
MEW001_T0185	465404.31	3963937.97	5.9x3.6x1.3	652.84	144.716	Possible boulder
MEW001_T0188	464209.89	3962697.72	12.2x1.4x0.5	-27.46	146.595	Unknown ferromagnetic object
MEW001_T0190	467246.65	3972287.30	3.2x0.5x0.2	-96.21	135.706	Unknown ferromagnetic object
MEW001_T0191	466989.89	3970966.86	1.0x0.2x0.4	53.21	137.042	Unknown object
MEW001_T0192	466822.20	3969450.88	3.1x0.4x0.4	98.09	138.567	Unknown object
MEW001_T0194	465220.87	3962911.19	6.6x1.3x0.3	-77.62	145.578	Unknown object
MEW001_T0195	465178.84	3962848.89	3.6x1.1x0.4	-115.58	145.640	Unknown object
MEW001_T0196	463291.22	3962777.55	2.6x0.7x0.9	-69.54	147.504	Unknown object
MEW001_T0197	463301.25	3962795.06	4.1x0.2x0.2	-49.78	147.500	Unknown object
MEW001_T0198	465894.69	3963362.93	3.2x0.9x0.6	-100.30	144.791	Possible boulder
MEW001_T0200	467320.93	3975439.18	3.3x1.7x0.2	90.28	132.558	Possible boulder
MEW001_T0201	467229.80	3972062.82	4.5x1.4x0.4	-97.53	135.931	Unknown object
MEW001_T0202	466483.26	3965132.09	3.9x1.4x0.9	87.62	142.899	Unknown object
MEW001_T0203	466240.06	3962915.28	5.1x0.6x0.3	-662.40	144.842	Unknown object
MEW001_T0204	466515.74	3976611.24	7.4x0.5x0.7	960.91	131.410	Unknown elongated object
MEW001_T0206	462664.00	3963287.55	33.6x1x1.6	101.07	148.300	Unknown elongated object
MEW001_T0209	466191.56	3995163.59	3.7x0.8x0.5	78.10	112.775	Unknown ferromagnetic elongated object
MEW001_T0212	467197.70	3983633.83	53.6x0.4x0.2	-90.10	124.347	Possible chain
MEW001_T0213	466483.71	3965759.41	2.2x1.9x0.7	138.00	142.274	Unknown object
MEW001_T0214	466598.46	3967820.92	1.8x0.7x0.4	190.00	140.210	Unknown object
MEW001_T0216	465498.54	4015487.25	2.7x0.2x0.3	-703.06	92.454	Unknown object
MEW001_T0217	465117.33	4018573.56	2.2x1.2x0.3	-546.44	89.348	Probable boulder
MEW001_T0218	465459.83	4014546.02	2.3x0.4x0.5	-596.27	93.390	Unknown object
MEW001_T0219	464941.43	4023551.42	4.9x0.2x0.2	-731.63	84.371	Unknown elongated object
MEW001_T0220	465712.58	4008257.32	1.7x0.3x0.2	-392.76	99.681	Unknown object
MEW001_T0223	466345.50	3998170.02	1.3x0.4x1.0	-293.24	109.787	Unknown object
MEW001_T0225	466366.82	3998074.77	2.7x0.8x0.6	-307.60	109.884	Unknown object
MEW001_T0226	466338.88	3998054.35	3.8x0.4x2.0	-278.26	109.902	Unknown object

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 26/ 63
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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0227	466340.59	3998097.85	1.3x0.4x0.9	-283.11	109.859	Unknown object
MEW001_T0228	466219.64	4000334.19	5.6x0.4x0.3	-324.50	107.62	Some probable almost buried ferromagnetic objects
MEW001_T0229	466233.77	3998603.53	3.3x0.5x0.5	-213.20	109.347	Unknown object
MEW001_T0230	466278.69	4002567.73	9.1x6.6x6.9	-545.20	105.396	Probable boulder
MEW001_T0232	465530.02	4012362.89	4.1x1.5x0.4	-508.11	95.573	Unknown object
MEW001_T0233	465533.81	4012686.71	3.3x1.0x1.1	-535.35	95.25	Unknown object
MEW001_T0234	465482.19	4002918.33	3.9x1.3x0.4	223.81	104.989	Unknown object
MEW001_T0235	465027.86	4009277.93	3.8x1.3x1.1	216.22	98.613	Unknown object
MEW001_T0236	464753.91	4013277.06	4.8x1.3x0.9	199.73	94.605	Unknown object
MEW001_T0237	464744.74	4013283.59	5.2x0.5x0.2	208.40	94.597	Unknown elongated object
MEW001_T0238	464916.06	4010723.76	2.6x1.5x0.8	222.98	97.163	Unknown ferromagnetic object
MEW001_T0241	465634.00	3998491.76	3.1x2.1x0.6	393.08	109.415	Unknown object
MEW001_T0244	465351.02	4006471.10	3.7x0.4x0.1	97.25	101.436	Unknown elongated ferromagnetic object
MEW001_T0245	465545.19	4004423.30	3.5x0.4x0.2	51.95	103.492	Unknown elongated object
MEW001_T0246	466083.74	3998045.98	1.6x1.5x0.3	-23.18	109.892	Unknown ferromagnetic object
MEW001_T0249	464964.57	4013116.96	6.5x1.0x1.3	1.23	94.779	Unknown ferromagnetic object
MEW001_T0250	464278.73	4023161.98	5.3x0.4x0.2	-42.46	84.711	Unknown elongated ferromagnetic object
MEW001_T0251	464340.74	4023054.63	0.7x0.4x2.1	-96.53	84.823	Unknown object
MEW001_T0252	464340.49	4023020.67	1.8x0.7x0.3	-93.82	84.857	Unknown object
MEW001_T0253	464302.15	4020431.93	4.7x2.2x0.1	131.97	87.436	Unknown object
MEW001_T0305	455886.05	4044382.89	4.1x1.2x0.3	194.99	61.383	Unknown object
MEW001_T0308	460747.74	4035627.55	1.1x0.4x0.6	337.10	71.396	Unknown object
MEW001_T0309	462504.79	4032771.47	5.9x4.6x5.8	235.05	74.748	Unknown object
MEW001_T0310	462447.41	4032640.84	5.7x2.3x4.6	349.85	74.833	Unknown object
MEW001_T0311	463461.70	4029106.31	5.8x5.6x5.0	341.79	78.723	Unknown object
MEW001_T0312	456390.74	4044031.99	2.2x1.0x0.3	-68.03	61.938	Possible hollow
MEW001_T0313	460531.34	4036769.41	2.8x0.6x0.3	-43.65	70.298	Unknown ferromagnetic object
MEW001_T0315	463748.07	4027068.82	2.0x0.7x0.2	203.77	80.776	Unknown object
MEW001_T0316	463474.43	4032305.80	5.8x2.6x0.6	-375.83	75.625	Unknown object
MEW001_T0317	463622.49	4032235.39	4.5x1.3x0.2	-474.19	75.745	Unknown object
MEW001_T0318	463547.61	4032269.63	4.3x0.9x0.2	-423.41	75.686	Unknown object
MEW001_T0320	463073.95	4029946.10	4.0x0.9x0.9	667.68	77.858	Unknown object
MEW001_T0325	449108.12	4058682.57	6.1x0.6x0.1	-227.55	45.455	Unknown elongated object
MEW001_T0326	454135.25	4048744.53	5.7x2.6x0.3	-457.87	56.728	Unknown object
MEW001_T0327	452778.36	4050087.94	5.5x1.8x1.4	50.16	54.888	Group of unknown objects
MEW001_T0328	440466.28	4078498.03	3.8x1.0x0.2	116.83	23.584	Unknown object

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 27/ 63
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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0329	447498.39	4061186.14	3.4x0.2x0.2	644.26	42.609	Partially buried unknown elongated objects
MEW001_T0330	438863.45	4079945.89	4.4x1.1x0.8	617.01	21.483	Unknown ferromagnetic object
MEW001_T0331	449752.87	4054740.49	6.2x1.5x0.1	358.28	49.356	Unknown object
MEW001_T0332	435297.33	4085070.54	2.1x0.9x0.3	651.27	15.24	Unknown object
MEW001_T0333	439688.03	4081024.88	7.3x3.4x0.1	-673.83	21.061	Unknown object - debris area
MEW001_T0334	438971.28	4080775.59	2.3x0.8x0.9	57.99	20.861	Unknown ferromagnetic object in a debris area
MEW001_T0335	453149.48	4049855.09	7.6x0.4xnmh	-155.79	55.274	Unknown object
MEW001_T0336	452976.68	4049514.11	5.4x3.1x0.8	163.82	55.484	Unknown object
MEW001_T0337	448083.28	4061726.56	5.1x1.1x0.2	-65.09	42.248	Unknown object
MEW001_T0338	448596.45	4058425.64	3.2x2.5x0.5	334.57	45.564	Unknown object
MEW001_T0339	438175.88	4081913.25	0.8x0.4x0.3	68.7	19.472	Unknown object
MEW001_T0488	462080.83	3963590.44	1.0x0.5x0.8	22.49	148.952	Unknown object
MEW001_T0489	462080.08	3963594.84	1.0x0.6x0.8	25.70	148.955	Unknown object/Not detected by ROV due to fishing net

LIGHTHOUSE GAS		GAS PIPELINE INTERCONNECTION MALTA-ITALY POST SURVEY ASSESSMENT DETERMINATION OF POSITIONS OF UXOS AND CABLES				 MINISTERU GHALL-ENERGIJA U L-IMMANIGĠJAR TAL-ILMA
Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 28/ 63

6.4.0 Side Scan Sonar Contacts List (Malta Nearshore area)

Table 11 – Other Man-made Structures: SSS contacts list (Malta Nearshore)

ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0211	461513.21	3963271.03	2.5x0.2x1.1	-561.33	149.241	Unknown elongated object/ not detected by ROV
MEW001_T0340	461333.47	3964890.22	2.6x2.5x0.9	674.72	150.302	Mooring block
MEW001_T0341	461330.92	3964872.05	2.4x2.3x1.0	658.27	150.294	Mooring block
MEW001_T0342	461273.92	3964612.19	3.4x2.8x0.5	411.51	150.194	Mooring block
MEW001_T0343	461194.55	3964447.76	1.5x0.6x0.2	230.95	150.167	Probable anomaly/not detected by ROV due to fishing net
MEW001_T0344	461187.91	3964389.40	0.8x0.6x0.4	179.01	150.140	Probable anchor/not detected by ROV due to fishing net
MEW001_T0345	461063.01	3964306.44	9.6x8.6xnmh	40.07	150.196	Debris area
MEW001_T0346	461076.23	3964336.26	6.3x11.0x0.4	72.16	150.202	Debris area
MEW001_T0347	461101.33	3964225.57	0.6x0.7x0.3	-5.12	150.119	Unknown object/not detected by ROV
MEW001_T0348	461053.99	3964091.25	0.9x0.5x0.3	-142.75	150.082	Unknown object
MEW001_T0349	460714.47	3963440.44	3.1x0.6x0.3	-871.69	149.996	Unknown ferromagnetic object
MEW001_T0350	460699.31	3963425.53	3.2x1.5x0.4	-892.55	150.000	Unknown ferromagnetic object
MEW001_T0351	460959.15	3964534.31	4.1x1.9x0.1	169.73	150.411	Unknown object
MEW001_T0352	461130.32	3964674.65	1.3x0.6x0.4	382.14	150.348	Probable anchor
MEW001_T0353	461140.12	3964691.90	1.3x0.6x0.5	401.91	150.350	Unknown object
MEW001_T0354	461150.41	3964710.22	1.0x0.3x0.3	422.85	150.352	Unknown object
MEW001_T0355	461168.83	3964748.12	0.5x0.6x0.4	464.53	150.358	Unknown object
MEW001_T0356	461177.69	3964770.78	0.5x0.9x0.4	488.24	150.363	Unknown object
MEW001_T0357	461185.89	3964787.96	1.7x0.7x0.5	507.06	150.366	Unknown object
MEW001_T0358	461194.20	3964811.31	0.9x0.6x0.5	531.03	150.373	Unknown object
MEW001_T0359	461198.40	3964828.32	1.0x0.5x0.4	547.44	150.379	Unknown object
MEW001_T0360	461203.45	3964844.14	0.8x0.6x0.3	563.36	150.383	Probable anchor
MEW001_T0361	461204.59	3964860.88	1.1x0.5x0.3	577.83	150.392	Unknown object/not detected by ROV
MEW001_T0362	461213.53	3964862.22	0.6x0.7x0.3	583.97	150.385	Probable anchor/not detected by ROV
MEW001_T0363	461222.97	3964877.05	1.4x0.6x0.3	601.54	150.386	Probable anchor/not detected by ROV

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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0364	461234.22	3964894.91	0.9x0.5x0.3	622.64	150.387	Probable anchor
MEW001_T0365	460703.39	3964060.65	1.3x0.7x0.4	-365.67	150.355	Unknown object
MEW001_T0366	460986.12	3964429.23	0.7x0.5x0.4	98.15	150.329	Unknown ferromagnetic object
MEW001_T0367	461502.63	3964862.59	3.1x2.5x1.0	747.26	150.147	Mooring block
MEW001_T0368	461445.12	3964838.68	2.3x2.4x1.0	695.09	150.181	Mooring block
MEW001_T0370	461498.26	3964748.88	2.4x2.5x1.7	650.88	150.086	Mooring block t
MEW001_T0371	461489.75	3964730.30	2.6x3.0x1.5	630.73	150.083	Ropes and deadweight as detected by ROV survey
MEW001_T0372	461398.64	3964760.77	3.9x2.6x0.8	604.54	150.175	Ropes and mooring block as detected by ROV
MEW001_T0373	461463.35	3964692.02	2.0x2.3x1.1	584.23	150.083	Wire cable and mooring block as detected by ROV
MEW001_T0374	461466.60	3964686.29	6.1x2.6x0.5	581.33	150.077	Naval Mine #2 as detected by ROV
MEW001_T0375	461358.14	3964707.21	1.3x0.7x0.2	537.47	150.178	Unknown object
MEW001_T0376	461413.32	3964592.21	1.0x0.9x0.6	473.59	150.068	Unknown object
MEW001_T0377	461410.17	3964552.10	0.3x0.7x0.4	438.69	150.048	Unknown object
MEW001_T0378	461330.60	3964664.45	1.9x0.7x1.0	486.62	150.177	Unknown object
MEW001_T0379	461344.56	3964392.51	1.8x0.8x0.4	269.89	150.012	Probable anchor
MEW001_T0380	461100.66	3964129.47	0.9x0.2x0.8	-84.87	150.065	Probable anchor
MEW001_T0381	460694.85	3963294.75	1.4x0.4x0.4	-1003.08	149.93	Unknown object
MEW001_T0382	460655.33	3963270.14	1.0x0.4x0.3	-1045.68	149.949	Unknown ferromagnetic object
MEW001_T0383	461168.09	3964142.71	1.6x0.5x0.4	-35.92	150.017	Unknown object
MEW001_T0384	461521.32	3964711.43	2.5x2.2x0.9	632.94	150.046	Mooring block
MEW001_T0385	461596.26	3964720.83	2.2x2.8x1.4	682.96	149.989	Mooring block
MEW001_T0386	461590.09	3964704.20	1.9x3.1x1.0	665.74	149.985	Mooring block
MEW001_T0387	461564.57	3964650.56	1.9x2.7x1.2	607.05	149.976	Wire and mooring block as detected by ROV
MEW001_T0388	462042.38	3964928.83	2.8x3.0x1.4	1106.25	149.738	Mooring block
MEW001_T0389	462056.70	3964921.09	2.9x4.8x1.3	1107.93	149.722	Mooring block
MEW001_T0391	461925.89	3964808.88	3.9x2.4x1.1	941.51	149.767	Mooring block
MEW001_T0392	462112.37	3965036.80	3.0x2.9x1.6	1234.89	149.741	Mooring block
MEW001_T0393	462124.27	3965027.39	2.2x4.3x3.4	1233.82	149.726	Mooring block

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 30/ 63
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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0394	462103.78	3964997.80	3.4x3.5x3.5	1197.83	149.726	Mooring block
MEW001_T0395	461853.05	3964661.72	1.9x2.3x1.2	778.90	149.744	Mooring block and chain as detected by ROV
MEW001_T0396	461851.44	3964643.99	2.6x2.8x1.1	763.35	149.735	Mooring block and chain as detected by ROV
MEW001_T0397	462028.22	3964792.97	3.3x2.6x1.2	986.06	149.673	Mooring block
MEW001_T0398	462049.17	3964766.75	2.7x2.7x1.0	976.21	149.641	Mooring block
MEW001_T0399	461468.50	3964625.72	4.9x6.4x1.1	532.38	150.041	Unknown object
MEW001_T0400	461264.82	3964905.60	17.7x0.3x0.1	648.72	150.367	Possible rope
MEW001_T0401	460511.38	3963326.10	6.7x0.8x0.3	-1080.62	150.099	Unknown ferromagnetic object
MEW001_T0402	460806.15	3963904.92	1.9x0.3x0.1	-436.37	150.182	Unknown object/not detected by ROV
MEW001_T0403	461343.99	3964617.09	1.6x0.9x0.5	455.06	150.139	Unknown object
MEW001_T0404	461531.88	3964106.36	3.3x2.7x1.5	139.14	149.696	Mooring block
MEW001_T0405	461867.13	3964208.50	3.2x0.9x0.9	412.50	149.477	Unknown ferromagnetic object
MEW001_T0406	461594.89	3963664.13	26.2x0.9x0.2	-190.60	149.395	Sailing boat mast with sails as detected by ROV
MEW001_T0407	461411.67	3963543.29	1.7x0.5x0.5	-393.69	149.478	Concrete as detected by ROV
MEW001_T0408	461585.15	3963571.23	5.0x0.7x1.2	-272.82	149.351	Unknown ferromagnetic object
MEW001_T0409	460933.12	3963474.05	0.6x0.6x0.3	-720.66	149.834	Probable tyre
MEW001_T0410	460859.70	3963525.96	0.6x0.5x0.5	-719.18	149.924	Probable anchor
MEW001_T0411	460875.32	3963476.78	1.2x0.5x0.4	-750.99	149.884	Probable anchor
MEW001_T0412	460870.85	3963532.64	0.9x0.5x0.2	-707.37	149.919	Probable anchor
MEW001_T0413	462326.11	3964098.51	1.3x0.5x0.7	580.40	149.036	Boulder and tire as detected by ROV
MEW001_T0414	462286.66	3964046.14	3.3x0.1x0.7	514.91	149.039	Unknown Elongated Object/not detected by ROV
MEW001_T0415	460590.31	3963632.76	1.1x1.1x0.8	-782.83	150.207	Probable anchor
MEW001_T0416	460654.85	3963765.05	1.2x0.4x0.3	-637.19	150.228	Probable anchor/not detected by ROV
MEW001_T0417	460671.45	3963816.98	1.4x0.6x0.3	-584.94	150.244	Unknown object/not detected by ROV
MEW001_T0418	460743.43	3963949.96	1.3x0.5x0.3	-434.52	150.259	Unknown object/not detected by ROV
MEW001_T0419	461023.56	3964750.28	2.4x1.5x1.5	384.42	150.479	Mooring block

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 31/ 63
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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0420	461021.80	3964800.51	1.5x0.5x0.2	424.92	150.509	Unknown object
MEW001_T0421	461074.62	3964838.93	0.8x0.7x0.3	486.43	150.487	Unknown object
MEW001_T0422	461186.41	3964864.82	1.0x0.7x0.4	570.83	150.409	Unknown object
MEW001_T0423	461119.44	3964975.47	0.9x0.7x0.3	624.47	150.527	Unknown object/not detected by ROV
MEW001_T0424	461126.27	3965008.38	0.9x0.4x0.1	655.50	150.540	Unknown object
MEW001_T0425	461230.75	3965047.23	2.8x2.4x1.1	746.49	150.475	Mooring block
MEW001_T0426	461248.22	3965055.52	2.7x2.8x1.1	763.19	150.466	Mooring block
MEW001_T0427	461251.46	3965036.63	0.6x0.8x0.4	749.41	150.452	Unknown object
MEW001_T0428	461277.74	3965062.95	1.0x0.5x0.3	785.96	150.445	Anchor chain as detected by ROV
MEW001_T0429	461317.88	3965127.76	1.0x0.6x0.3	862.12	150.449	Unknown object
MEW001_T0430	461320.73	3965211.90	2.8x2.5x1.3	933.23	150.494	Mooring block
MEW001_T0431	461295.94	3965257.00	2.5x2.9x1.8	956.50	150.540	Mooring block
MEW001_T0432	461271.85	3965259.95	2.0x2.4x1.9	945.36	150.561	Mooring block
MEW001_T0433	461262.86	3965271.47	2.9x3.1x1.1	949.80	150.575	Mooring block
MEW001_T0434	461279.74	3965268.56	3.4x2.7x1.3	956.92	150.560	Mooring block
MEW001_T0435	461293.80	3965291.91	2.2x2.4x1.3	984.13	150.561	Mooring block
MEW001_T0436	461287.14	3965344.04	1.6x1.0x0.4	1023.43	150.596	Unknown object
MEW001_T0437	461971.38	3964360.92	1.7x1.0x0.6	597.16	149.477	Rubber debris and anchor as detected by ROV
MEW001_T0438	461458.25	3963235.09	2.6x0.6x1.1	-621.99	149.266	Anchor as detected by ROV
MEW001_T0439	461394.10	3963259.55	2.3x0.6x0.2	-637.95	149.333	Unknown object/not detected by ROV
MEW001_T0440	461217.01	3964042.64	5.3x1.6x0.4	-90.99	149.920	Unknown ferromagnetic and linear object
MEW001_T0441	460501.14	3963210.40	6.0x0.8x0.5	-1181.95	150.043	Unknown ferromagnetic and linear object
MEW001_T0442	460576.58	3963287.81	3.4x0.7x0.3	-1075.49	150.024	Unknown object
MEW001_T0443	460375.49	3963453.39	1.7x1.4x0.8	-1052.09	150.283	Mooring block
MEW001_T0444	461355.38	3964895.65	4.4x0.7x0.3	691.55	150.287	Buoy anchors
MEW001_T0445	461265.15	3964950.75	0.9x0.5x0.3	686.2	150.393	Unknown object
MEW001_T0446	461279.03	3964938.99	5.6x0.5x0.6	684.31	150.375	Rope
MEW001_T0447	461256.14	3964940.20	0.6x0.7x0.4	672.4	150.394	Probable anchor

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 32/ 63
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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_T0448	461245.93	3964927.27	0.6x0.6x0.5	655.97	150.395	Probable anchor
MEW001_T0449	461237.20	3964912.92	0.9x0.5x0.6	639.19	150.394	Probable anchor
MEW001_T0450	461049.53	3964748.40	1.4x0.8x0.6	397.51	150.457	Unknown object
MEW001_T0451	460768.37	3963333.29	0.6x0.5x0.5	-929.8	149.891	Unknown object
MEW001_T0452	460756.82	3963312.19	0.7x0.5x0.2	-953.74	149.889	Unknown object
MEW001_T0453	460730.76	3963267.73	0.8x0.4x0.2	-1005.15	149.885	Unknown object
MEW001_T0454	460699.63	3963203.72	2.0x0.9x0.3	-1075.57	149.875	Probable anchor
MEW001_T0455	461677.98	3964624.86	3.5x3.6x2.6	649.76	149.868	Mooring block
MEW001_T0456	461681.23	3964604.48	3.0x2.7x2.1	634.76	149.854	Mooring block
MEW001_T0457	461561.19	3964578.65	1.0x0.5x0.3	545.75	149.938	Unknown object
MEW001_T0458	461532.47	3964478.88	1.1x0.5x0.3	447.16	149.906	Probable anchor
MEW001_T0459	461277.52	3964363.86	1.3x0.6x0.3	208.43	150.052	Unknown object/not detected by ROV
MEW001_T0460	461229.75	3963913.27	1.5x0.9x0.3	-190.67	149.837	Seat as detected by ROV
MEW001_T0461	461203.44	3963832.74	0.9x0.9x0.3	-272.01	149.813	Probable tyre
MEW001_T0462	460705.42	3963273.14	2.0x1.3x0.3	-1014.97	149.909	Unknown object
MEW001_T0463	461460.58	3963986.69	1.2x0.7x0.5	0.11	149.688	Naval mine #4 as detected by ROV
MEW001_T0464	461003.52	3963036.89	1.5x0.6x0.4	-1042.05	149.530	Probable anchor
MEW001_T0465	462374.42	3964729.91	0.7x0.6x0.2	1129.14	149.352	Probable anchor
MEW001_T0466	462349.75	3964665.19	1.0x0.6x0.5	1061.78	149.336	Probable anchor
MEW001_T0467	462461.70	3964671.81	1.6x0.4x0.3	1130.36	149.247	Unknown object
MEW001_T0468	461694.61	3963336.01	2.3x2.1x0.7	-405.39	149.128	Metallic debris as detected by ROV
MEW001_T0469	461698.15	3963328.83	1.5x1.0x0.8	-409.32	149.121	Metallic debris as detected by ROV
MEW001_T0470	461647.32	3963242.15	2.4x0.6x0.9	-509.57	149.114	Unknown ferromagnetic object
MEW001_T0471	461504.72	3963003.76	0.9x0.5x0.5	-786.86	149.097	Probable anchor
MEW001_T0472	462471.17	3964569.52	0.8x0.7x0.3	1051.21	149.182	Unknown object
MEW001_T0473	462455.39	3964552.41	1.1x0.5x0.4	1028.18	149.185	Probable anchor
MEW001_T0474	462452.51	3964431.37	3.0x0.8x0.4	926.58	149.119	Unknown object
MEW001_T0475	462276.66	3964407.74	1.1x0.3x0.4	807.93	149.251	Probable anchor
MEW001_T0476	462248.85	3964351.83	1.0x0.6x0.4	746.08	149.242	Unknown object with rope

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 33/ 63
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ID	Easting (m)	Northing (m)	Dimension (m) LxWxH	DCC (m) (+ right side, - left side)	KP	Description
MEW001_T0477	461860.54	3963514.52	1.5x0.5x0.4	-164.41	149.091	Probable anchor
MEW001_T0478	462453.42	3964839.45	1.3x0.6x0.9	1264.15	149.348	Probable anchor
MEW001_T0480	460877.64	3963181.32	2.2x0.5x0.3	-993.72	149.715	Unknown object
MEW001_T0481	460907.26	3963115.89	1.5x0.6x0.3	-1031.06	149.654	Unknown object
MEW001_T0482	460887.06	3963113.96	2.3x0.4x0.5	-1044.04	149.669	Unknown linear object
MEW001_T0483	460971.60	3963307.98	3.7x0.3x0.2	-836.13	149.709	Unknown linear object
MEW001_T0484	461369.91	3962869.88	0.4x0.6x0.7	-973.44	149.133	Unknown ferromagnetic object
MEW001_T0485	461692.14	3963116.59	2.8x1.4x0.8	-588.01	149.006	Scaffold as detected by ROV
MEW001_T0486	462336.98	3964305.07	0.6x0.7x0.7	757.14	149.143	Probable anchors
MEW001_T0487	462070.43	3963701.72	4.6x4.7x0.7	108.53	149.023	Debris area
MEW001_T0490	461622.86	3964129.16	0.62x0.53x0.47	209.26	149.634	Naval Mine #3 as detected by ROV
MEW001_T0491	461601.29	3964130.04	2.66x1.44x0.24	197.83	149.652	Flat metallic object as detected by ROV
MEW001c_T0001	460888.79	3964696.25	6.3x3.7x0.4	264	150.56	Possible mooring block with rope
MEW001c_T0002	461182.45	3965363.21	7.6x3.1xnmh	980	150.693	Unknown object
MEW001c_T0003	461190.00	3965322.99	2.5x2.2xnmh	951	150.665	Possible mooring block
MEW001c_T0004	460929.26	3965414.89	3.6x3.9xnmh	/	/	Unknown ferromagnetic object
MEW001c_T0005	460928.55	3965407.4	3.3x2.5x0.4	/	/	Unknown ferromagnetic object
MEW001c_T0006	460862.51	3965435.58	2.3x1.6xnmh	/	/	Possible mooring block with rope
MEW001c_T0007	460866.55	3965442.08	2.4x1.5xnmh	/	/	Possible mooring block
MEW001c_T0008	460847.01	3965706.19	9.9x4.3x0.6	/	/	Unknown ferromagnetic object
MEW001c_T0009	460827.39	3965448.99	1.7x1.2x0.9	852	151.03	Possible mooring block with rope
MEW001c_T0010	460850.07	3965712.73	1.8x1.6x0.8	/	/	Unknown object
MEW001c_T0011	460253.59	3963489.74	4.2x1.3xnmh	-1091	150.404	Possible mooring block
MEW001c_T0012	460584.68	3963792.05	1.7x1.0x0.4	-654	150.301	Possible mooring block
MEW001c_T0013	461122.07	3965170.21	1.3x1.0xnmh	787	150.634	Possible mooring block - associated to MAG anomaly
MEW001c_T0014	460110.41	3963692.90	2.8x2.4xnmh	-1004	150.637	Possible mooring block with rope
MEW001c_T0015	4607272.9	3965590.39	2.1x1.2x1.2	/	/	Possible mooring block - associated to MAG anomaly
MEW001c_T0016	460792.29	3964237.55	1.3x1.1x0.5	-169	150.381	Possible mooring block - associated to MAG anomaly
MEW001c_T0017	461112.23	3965458.14	3.4x3.0x0.8	1019.07	150.805	Possible mooring block with chain

LIGHTHOUSE GAS		GAS PIPELINE INTERCONNECTION MALTA-ITALY POST SURVEY ASSESSMENT DETERMINATION OF POSITIONS OF UXOS AND CABLES				 MINISTERU GHALL-ENERĠJA U L-IMMANIĠĠJAR TAL-ILMA
Issued G.Sallese	Checked by M.Bernardi	Approved by E.Loza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 34/ 63

6.5.0 Magnetic Anomalies List (Italy Nearshore area)

Table 12 – Other Man-made Structures: magnetic anomalies list (Italy Nearshore)

ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001d_M027	436873.01	4097171.48	107	-172	2.044	Unknown (SSS contact MEW001d_T005 and SBP contact MEW001d_H001 associated) Group of anomalies
MEW001d_M105	437534.24	4097041.08	42.6	-813	1.838	Unknown Group of anomalies
MEW001d_M123	436186.65	4097691.16	1943.8	681	1.922	Unknown Group of anomalies
MEW001d_M146	436000.53	4097841.42	243.2	916	1.88	Unknown
MEW001d_M275	437570.53	4098319.66	509.6	-226	0.702	Unknown Group of anomalies
MEW001d_M330	435844.25	4093933.27	364.1	-839	5.375	Unknown (SSS contact MEW001d_T006 associated)
MEW001d_M331	435764.81	4095775.82	70.4	122	3.802	Unknown
MEW001d_M332	436129.77	4094942.82	48.1	-600	4.354	Unknown
MEW001d_M349	436811.89	4098631.58	310.6	589	0.796	Unknown Group of anomalies
MEW001d_M376	438248.41	4097631.41	47.3	-1152	0.976	Unknown Group of anomalies
MEW001d_M017	438095.91	4097107.3	24.5	-1273	1.508	Unknown Group of anomalies
MEW001d_M416	436608.64	4098337.72	154.6	405	1.152	Unknown Group of anomalies
MEW001d_M1178	4099088.91	437341.82	6.4	-347	0.139	Unknown object (SSS contact MEW001d_H007)
MEW001d_M1179	4098963.50	437309.11	3	-314	0.265	Unknown object
MEW001d_M1180	4099152.73	437278.86	2785.3	-432	0.114	Concrete blocks covered by biofouling (SSS contact MEW001d_T009/ SBP target MEW001d_H008)
MEW001d_M1181	4098945.91	437201.29	7.6	-400	0.333	Unknown object
MEW001d_M1182	4099139.82	437250.32	258.5	-451	0.139	Unknown object
MEW001d_M1183	4099169.69	437254.98	609.9	-461	0.111	Concrete blocks covered by biofouling (SSS contact MEW001d_T008/ SBP target MEW001d_H009)

LIGHTHOUSE GAS		GAS PIPELINE INTERCONNECTION MALTA-ITALY POST SURVEY ASSESSMENT DETERMINATION OF POSITIONS OF UXOS AND CABLES				 MINISTERU GHALL-ENERGIJA U L-IMMANIGĠJAR TAL-ILMA
Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 35/ 63

6.6.0 Magnetic Anomalies List (Italy-Malta Offshore corridor)

Table 13 – Pipelines/Cables: magnetic anomalies list (Italy-Malta Offshore)

ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0002	466668.83	3970053.12	19	299.53	137.979	Buried cable or pipe as detected by ROV
MEW001_M0003	467522.61	3970229.62	12.9	-537.23	137.734	MEW001_T0046 Possible ALEXANDRIA-MALTA NO1 OOS
MEW001_M0023	467182.71	3981840.66	0.3	54.75	126.134	Possible cable crossing UNKNOWN OOS
MEW001_M0027	467255.41	3980904.41	1	50.06	127.073	Possible cable crossing MALTA-BENGHASI NO2 OOS
MEW001_M0054	467453.65	3979227.05	1.5	-17.67	128.761	Possible cable crossing VMSCS
MEW001_M0058	466934.37	3986273.27	0.8	-18.69	121.695	Possible cable crossing MALTA-POZZALLO NO2 OOS
MEW001_M0071	468048.08	3976773.4	0.7	-565.67	131.199	Possible cable crossing ALEXANDRIA-MALTA NO3_OOS
MEW001_M0077	466854.75	3976870.78	0.5	629.78	131.133	MEW001_T0060 or ALEXANDRIA-MALTA NO3_OOS/unknown object
MEW001_M0078	466574.04	3982044.01	1.3	647.09	125.887	VODAFONE-MALTA SR2A UNK
MEW001_M0105	466700.63	3985147.51	2.4	295.99	122.801	Possible cable crossing GO-1
MEW001_M0106	466907.28	3982236.18	0.5	300.8	125.720	VODAFONE-MALTA SR2A UNK
MEW001_M0107	467186.20	3978087.34	0.4	299.54	129.894	Possible cable crossing ALEXANDRIA-MALTA NO4_OOS
MEW001_M0111	467216.52	3981874.95	0.5	18.54	126.103	Possible cable crossing UNKNOWN_OOS
MEW001_M0117	467239.69	3981932.95	1.1	-8.77	126.046	Possible cable crossing UNKNOWN_OOS
MEW001_M0129	467150.42	3990795.26	0.6	-561.77	117.201	Possible cable crossing CATANIA-MALTA_IS
MEW001_M0139	467535.64	3985456.69	3.7	-559.22	122.553	Possible cable crossing

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
						GO-1 IS
MEW001_M0142	466329.34	3985502.01	2.2	640.63	122.421	Possible cable crossing MALTA-POZZALLO NO2_OOS
MEW001_M0143	467276.03	3985349.09	1.9	-292.5	122.642	Possible cable crossing GO-1 IS
MEW001_M0147	466417.01	3970789.94	1.3	609.96	137.265	Possible cable crossing ALEXANDRIA-MALTA NO1_OOS
MEW001_M0187	467188.26	3982378.13	2.7	10.27	125.599	VODAFONE-MALTA SR2A UNK
MEW001_M0189	467228.20	3981856.61	0.3	8.22	126.122	Possible cable crossing UNKNOWN_OOS
MEW001_M0194	467475.64	3976664.35	1.1	3.32	131.324	Possible cable crossing ALEXANDRIA-MALTA NO3_OOS
MEW001_M0221	467825.67	3982609.6	5.7	-642.23	125.414	VODAFONE-MALTA SR2A UNK
MEW001_M0231	467312.38	3980947.33	2.2	-9.86	127.035	Possible cable crossing MALTA-BENGHASI NO2_OOS
MEW001_M0243	466851.05	3968504.42	2.2	-7	139.508	Possible cable crossing MALTA-TRIPOLI 2_OOS
MEW001_M0267	467061.10	3970477.69	2.1	-57.22	137.524	Possible cable crossing ALEXANDRIA-MALTA NO1_OOS
MEW001_M0294	466869.25	3968569.12	4	-19.92	139.442	Possible cable crossing MALTA-TRIPOLI 2_OOS
MEW001_M0295	466754.96	3967352.59	15.5	-4.12	140.664	Possible cable crossing MALTA-TRIPOLI 2_OOS
MEW001_M0299	466331.36	3964093.41	1.5	-23.78	143.960	Cable as detected by ROV
MEW001_M0307	466633.00	3990061.28	1.3	7.46	117.895	Possible cable crossing CATANIA-MALTA_IS
MEW001_M0314	466897.03	3986252.46	3.7	20.06	121.713	Possible cable crossing MALTA-POZZALLO NO2_OOS
MEW001_M0318	467282.64	3980918.10	1.2	21.91	127.062	Possible cable crossing MALTA-BENGHASI NO2_OOS
MEW001_M0328	467455.31	3978247.46	0.6	26.47	129.739	Possible cable crossing ALEXANDRIA-MALTA NO4_OOS

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0372	466861.09	3968682.20	1	-2.67	139.330	Possible cable crossing MALTA-TRIPOLI 2_OOS
MEW001_M0428	466988.03	3970503.44	2.8	17.69	137.505	Possible cable crossing ALEXANDRIA-MALTA NO1_OOS
MEW001_M0429	466857.11	3968968.91	0.2	24.42	139.045	Possible cable crossing MALTA-TRIPOLI 2_OOS
MEW001_M0467	465959.59	3999705.82	1.8	-19.6	108.227	Possible unknown cable
MEW001_M0473	465430.78	4015136.11	11.8	-610.04	92.799	MENA_IS
MEW001_M0475	464970.76	4021728.24	0.5	-628.8	86.191	ARTEMIS_OOS
MEW001_M0476	465132.08	4015260.24	10.9	-321.12	92.654	MENA_IS
MEW001_M0477	465340.79	4012293.36	10.1	-314.34	95.628	SEA ME WE 4 S1-10_021204_IS
MEW001_M0480	465987.02	4002914.48	1.2	-279.41	105.029	SEA-ME-WE 2 SEG5_OOS
MEW001_M0484	466198.81	3999901.97	2	-272.4	108.049	MENA_IS
MEW001_M0487	466340.57	3997921.97	0.4	-270.35	110.034	MALTA-POZZALLO NO1_OOS
MEW001_M0488	466449.40	3996455.95	1.7	-272.69	111.504	SEA ME WE 4 S1-10_021204_IS
MEW001_M0490	465393.55	4003134.87	2.3	296.53	104.766	SEA-ME-WE 2 SEG5_OOS
MEW001_M0495	464521.33	4015504.63	10.2	270.32	92.366	MENA_IS
MEW001_M0496	464725.19	4012703.19	11.5	269.95	95.175	SEA ME WE 4 S1-10_021204_IS
MEW001_M0500	465052.88	4003264.62	0.9	626.91	104.612	SEA-ME-WE 2 SEG5_OOS
MEW001_M0504	464367.06	4012988.59	11.5	606.46	94.864	SEA ME WE 4 S1-10_021204_IS
MEW001_M0505	464178.95	4015630.65	9.6	602.67	92.215	MENA_IS
MEW001_M0506	464175.45	4015667.70	5.4	603.48	92.178	MENA_IS
MEW001_M0507	466579.59	3998618.43	2.3	-559.2	109.357	MALTA-POZZALLO NO1_OOS
MEW001_M0509	466289.87	4002806.61	2.2	-573.65	105.159	SEA-ME-WE 2 SEG5_OOS
MEW001_M0512	465635.14	4012168.69	10.8	-598.89	95.774	SEA ME WE 4 S1-10_021204_IS
MEW001_M0522	465689.64	4003034.13	26.8	8.52	104.888	SEA-ME-WE 2 SEG5_OOS
MEW001_M0527	465937.08	3999589.62	2.8	11.27	108.342	Possible unknown cable
MEW001_M0538	465923.87	3999564.67	2.8	26.25	108.366	Possible unknown cable
MEW001_M0542	465775.14	4001630.97	3.8	24.89	106.294	I ME WE_IS/not detected by ROV
MEW001_M0547	465709.84	4003024.43	14.7	-10.93	104.899	SEA-ME-WE 2 SEG5_OOS
MEW001_M0554	464988.01	4012532.44	21.6	20.19	95.364	SEA ME WE 4 S1-10_021204_IS
MEW001_M0556	464791.27	4015398.88	33.4	8.75	92.491	MENA_IS

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0558	464375.83	4021007.54	4.8	16.78	86.867	MELITA-1
MEW001_M0562	464353.18	4021843.67	2.4	-21.21	86.031	ARTEMIS_OOS
MEW001_M0566	464802.71	4015392.24	32.6	-2.18	92.498	MENA_IS
MEW001_M0569	465017.28	4012506.86	30.6	-7.15	95.392	SEA ME WE 4 S1-10_021204_IS
MEW001_M0573	465743.41	4003009.19	21.7	-43.3	104.917	SEA-ME-WE 2 SEG5_OOS
MEW001_M0578	465945.91	3999609.45	0.9	1.02	108.323	Possible unknown cable
MEW001_M0580	466105.35	3997388.69	6.3	2.89	110.549	MALTA-POZZALLO NO1_OOS
MEW001_M0586	465958.79	3999684.54	1.4	-17.26	108.249	Possible unknown cable
MEW001_M0589	465828.54	4001588.02	2.6	-25.25	106.341	I ME WE_IS
MEW001_M0592	465717.04	4003017.98	10.5	-17.64	104.906	SEA-ME-WE 2 SEG5_OOS
MEW001_M0594	465038.52	4012473.94	18.9	-25.95	95.426	SEA ME WE 4 S1-10_021204_IS
MEW001_M0596	464821.66	4015375.79	27	-19.88	92.516	MENA_IS
MEW001_M0599	464344.69	4021848.5	3.6	-13.09	86.026	ARTEMIS_OOS
MEW001_M0612	456639.39	4044147.13	5.6	-341	61.962	T-Cable Malta feasibility\Ma-Si Cable
MEW001_M0613	456638.93	4042905.75	4	277.38	63.039	T-Cable Malta feasibility\Ma-Si Cable
MEW001_M0615	458895.1	4038978	11	275.82	67.568	Unknown cable
MEW001_M0618	460641.12	4035935.00	10.3	276.52	71.077	AAE-1_IS
MEW001_M0619	462983.15	4031820.83	10.9	283.02	75.829	I-ME-WE S3_IS
MEW001_M0620	463550.44	4028539.27	11.9	294.36	79.295	SEA ME WE 5-PLA or FLAG SEG D_IS
MEW001_M0621	463232.02	4028694.26	10.7	600.71	79.118	SEA ME WE 5-PLA or FLAG SEG D_IS
MEW001_M0623	462510.41	4032029.51	11.4	599.54	75.394	I-ME-WE S3_IS
MEW001_M0624	460188.36	4036109.37	11.9	582.38	70.700	AAE-1_IS
MEW001_M0626	458508.8	4039052	10.1	574.2	67.312	Unknown cable
MEW001_M0628	456616.79	4042338.59	5.8	578.92	63.519	T-Cable Malta feasibility\Ma-Si Cable
MEW001_M0632	459266.8	4038878	18.5	3.32	67.84	Unknown cable
MEW001_M0634	461041.59	4035785.32	22.1	3.71	71.406	AAE-1_IS
MEW001_M0636	463372.64	4031685.71	19.4	-16.14	76.121	I-ME-WE S3_IS
MEW001_M0638	463862.10	4028415.69	16.8	-7.53	79.441	SEA ME WE 5-PLA or

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
						FLAG SEG D_IS
MEW001_M0642	461017.85	4035795.88	21	19.04	71.385	AAE-1_IS
MEW001_M0645	459318.4	4038851	20.5	-28.14	67.889	Unknown cable
MEW001_M0656	459289.4	4038866	31.3	-10.21	67.862	Unknown cable
MEW001_M0659	461061.21	4035776.91	19.8	-9.12	71.423	AAE-1_IS
MEW001_M0663	463843.52	4028418.98	22	10.76	79.436	SEA ME WE 5-PLA or FLAG SEG D_IS
MEW001_M0664	464481.75	4028168.96	8.9	-607.68	79.732	SEA ME WE 5-PLA or FLAG SEG D_IS
MEW001_M0665	464113.58	4031391.88	10.4	-614.07	76.617	I-ME-WE S3_IS
MEW001_M0668	461942.69	4035469.43	10.8	-620.54	72.128	AAE-1_IS
MEW001_M0669	460170.94	4038550.11	9.2	-617.55	68.574	Unknown cable
MEW001_M0670	456493.90	4044912.93	2.4	-596.05	61.226	T-Cable Malta feasibility\Ma-Si Cable
MEW001_M0676	456645.41	4043498.30	8.1	-23.22	62.528	T-Cable Malta feasibility\Ma-Si Cable
MEW001_M0679	459766	4038700	10.7	-340.9	68.243	Unknown cable
MEW001_M0680	461571.50	4035578.79	14.1	-353.06	71.849	AAE-1_IS
MEW001_M0682	463790.23	4031538.66	12	-352.9	76.399	I-ME-WE S3_IS
MEW001_M0683	464208.65	4028279.73	10.9	-343.32	79.602	SEA ME WE 5-PLA or FLAG SEG D_IS
MEW001_M0687	463349.68	4031692.19	26.6	2.52	76.106	I-ME-WE S3_IS
MEW001_M0693	456633.15	4043437.32	9.9	17.77	62.575	T-Cable Malta feasibility\Ma-Si Cable
MEW001_M0694	459227.9	4038894	17.2	28.96	67.806	Unknown cable
MEW001_M0702	461085.07	4035763.19	18.9	-22.98	71.447	AAE-1_IS
MEW001_M0704	463399.79	4031671.34	21.1	-35.7	76.145	I-ME-WE S3_IS
MEW001_M0705	463886.36	4028398.12	20.2	-30.45	79.460	SEA ME WE 5-PLA or FLAG SEG D_IS
MEW001_M0707	463832.04	4028428.86	19.6	21.5	79.426	SEA ME WE 5-PLA or FLAG SEG D_IS
MEW001_M0709	463329.62	4031703.87	22.5	16.43	76.088	I-ME-WE S3_IS
MEW001_M0718	459243	4038878	24.1	23.92	67.828	Unknown cable


LIGHTHOUSE GAS		GAS PIPELINE INTERCONNECTION MALTA-ITALY POST SURVEY ASSESSMENT DETERMINATION OF POSITIONS OF UXOS AND CABLES				 MINISTERU GHALL-ENERĠJA U L-IMMANIĠĠJAR TAL-ILMA
Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 40/ 63

Table 14 – Other Man-made Structures: magnetic anomalies list (Italy-Malta Offshore)

ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0005	467394.61	3971526.54	3.6	-305.05	136.452	Unknown origin
MEW001_M0006	466229.73	3991548.56	1.9	301.93	116.383	MEW001_T0061 or MEW001_T0062/unknown objects
MEW001_M0007	462943.97	3962007.35	5.7	-910.62	147.572	Unknown origin
MEW001_M0009	466451.91	3971425.36	4.3	626.42	136.629	MEW001_T0067/unknown objects
MEW001_M0010	466573.16	3990689.11	1.9	21.66	117.265	Unknown origin
MEW001_M0012	466882.03	3986115.12	18.4	44.97	121.849	MEW001_T0035/unknown objects
MEW001_M0015	466853.62	3986721.14	2.1	29.4	121.243	Unknown origin
MEW001_M0016	466942.37	3985278.64	2.9	45.39	122.688	MEW001_T0117/unknown objects
MEW001_M0017	466760.06	3979673.15	1.2	640.66	128.258	Unknown origin
MEW001_M0018	467062.78	3983491	3.7	54.8	124.480	Unknown origin
MEW001_M0020	466686.98	3974473.61	0.4	637.96	133.572	Probably related to MEW001_T0078/unknown objects
MEW001_M0021	467158.94	3982149.46	1.2	56.08	125.825	Unknown origin
MEW001_M0022	467169.08	3982001.25	1.4	56.71	125.973	Unknown origin
MEW001_M0024	467188.4	3981747.72	1.1	55.8	126.227	Unknown origin
MEW001_M0025	467261.37	3981273.87	0.7	17.35	126.705	Unknown origin
MEW001_M0026	466112.34	3988559.94	3	635.52	119.355	Unknown origin
MEW001_M0028	466716.85	3974824.33	0.5	636.47	133.220	Unknown origin
MEW001_M0029	467394.89	3979118.68	1.6	47.83	128.865	MEW001_T0111/unknown objects
MEW001_M0031	467384.41	3975519.18	2.1	33.14	132.473	Unknown origin
MEW001_M0032	467249.86	3973869.67	8.2	28.21	134.128	Unknown origin/not detected by ROV
MEW001_M0034	467362.92	3975213.15	0.9	29.76	132.78	Unknown origin
MEW001_M0035	467333.75	3974948.44	0.7	34.49	133.047	Unknown origin
MEW001_M0036	467322.87	3974820.14	1.6	32.57	133.176	Unknown origin
MEW001_M0037	467231.68	3973639.13	2	27.73	134.359	Unknown origin
MEW001_M0038	467200.23	3982080.49	15.3	19.9	125.896	MEW001_T0112/unknown objects
MEW001_M0045	467107.17	3983528.63	5.5	7.8	124.445	Unknown origin

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0052	467367.7	3974818.7	2	-12.17	133.172	Unknown origin
MEW001_M0053	467538.72	3977575.91	4	-46.54	130.412	Unknown origin
MEW001_M0055	467473.92	3978960.59	2.2	-21.86	129.028	Unknown origin
MEW001_M0057	466487.87	3992570.65	5.1	-29.58	115.382	Unknown origin
MEW001_M0059	466834.13	3987637.98	1.7	-17.58	120.327	Unknown origin
MEW001_M0060	466791.21	3988349.76	4.4	-26.34	119.614	Unknown origin
MEW001_M0064	467138.32	3983579.53	18.3	-26.95	124.397	Unknown origin
MEW001_M0066	466562.18	3991428.34	20.3	-20.94	116.527	MEW001_T0049/unknown object
MEW001_M0068	467103.64	3984246.39	2.4	-40.68	123.729	Unknown origin
MEW001_M0070	467447.15	3976224.42	0.7	14.13	131.764	Unknown origin
MEW001_M0072	467234.08	3985918.86	0.6	-291.94	122.071	Unknown origin
MEW001_M0073	467770.77	3976459.45	0.7	-298.89	131.517	Unknown origin
MEW001_M0074	467746.98	3976041.21	0.9	-294.75	131.931	MEW001_T0059/unknown object
MEW001_M0075	466610.79	3973542.04	0.9	638.77	134.506	Unknown origin
MEW001_M0076	466701.78	3974667.93	0.7	638.88	133.377	Unknown origin
MEW001_M0079	466924.71	3981967.74	1.5	302.86	125.989	Unknown origin
MEW001_M0080	466951.16	3981628.22	0.9	301.08	126.329	Unknown origin
MEW001_M0082	466896.09	3972849.12	1.4	298.51	135.174	Unknown origin
MEW001_M0083	462831.09	3962377.25	4.5	-608.37	147.758	Unknown origin
MEW001_M0084	467126.14	3967227.17	1.5	-384.2	140.759	MEW001_T0038/unknown object
MEW001_M0085	467174.68	3967606.07	1.7	-402.03	140.377	Unknown origin
MEW001_M0086	466827.26	3963841.92	1	-579.78	143.966	MEW001_T0006/unknown object
MEW001_M0087	467415.61	3971758.55	1.5	-307.27	136.219	MEW001_T0051/unknown object
MEW001_M0088	467478.66	3976270.33	1.8	-15.15	131.717	Unknown origin
MEW001_M0091	467344.87	3974614.45	4	-6.43	133.378	MEW001_T0065/unknown object
MEW001_M0093	467247.17	3973310.11	1	-14.24	134.686	Unknown origin
MEW001_M0095	467254.91	3982058.96	7.2	-33.08	125.922	Unknown origin
MEW001_M0097	467407.86	3980128.9	1.8	-45.8	127.858	Unknown origin
MEW001_M0098	467406.76	3980029.13	2	-35.43	127.958	Unknown origin
MEW001_M0100	467501.02	3977944.83	1.6	-12.43	130.043	Unknown origin
MEW001_M0101	467071.99	3967843.25	1.8	-280.54	140.149	Unknown origin
MEW001_M0102	467042.39	3967196.68	2.2	-303.19	140.796	Unknown origin

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0103	466717.11	3964296.85	1.1	-301.43	143.645	Unknown origin
MEW001_M0104	466737.76	3984706.37	3.3	290.92	123.244	Unknown origin
MEW001_M0108	466478	3967642.11	5.9	295.29	140.398	Unknown origin
MEW001_M0109	467147.56	3975954.61	0.4	298.75	132.052	Unknown origin
MEW001_M0110	467093.49	3975155.02	0.5	292.99	132.862	Unknown origin
MEW001_M0113	467294.03	3980860.73	0.5	14.71	127.120	Unknown origin
MEW001_M0115	467407.90	3979799.70	0.8	-15.63	128.186	Unknown origin
MEW001_M0116	467488.57	3976459.10	0.6	-16.92	131.528	Unknown origin
MEW001_M0118	467027.76	3984056.66	1	48.75	123.913	Unknown origin
MEW001_M0119	467400.73	3979013	0.8	48.27	128.971	Unknown origin
MEW001_M0120	467121.14	3983924.53	0.7	-34.81	124.051	MEW001_T0115/unknown object
MEW001_M0124	466511.99	3991679.5	1.4	10.92	116.273	Unknown origin
MEW001_M0126	466769.17	3992396.14	0.8	-297.5	115.577	Unknown origin
MEW001_M0127	466862.26	3991090.58	1.1	-295.76	116.885	Unknown origin
MEW001_M0128	466582.58	3991225.70	1.5	-26.61	116.730	Unknown origin
MEW001_M0130	467263.59	3985514.32	0.9	-292.06	122.476	Unknown origin
MEW001_M0131	467084.13	3979866.44	0.3	300.94	128.091	Unknown origin
MEW001_M0132	466965.14	3973648.81	0.3	294.19	134.371	Unknown origin
MEW001_M0133	467444.22	3969639.54	3.6	-506.69	138.329	Unknown origin
MEW001_M0134	467051.66	3967453.91	4.2	-291.68	140.539	Unknown origin
MEW001_M0135	466602.55	3964013.48	1.4	-302.65	143.916	Unknown origin
MEW001_M0136	467217.39	3969360.58	1.2	-303.09	138.625	Unknown origin
MEW001_M0137	466958.66	3966196.94	3.4	-300.36	141.799	Unknown origin
MEW001_M0138	466548.96	3972480.96	0.5	614.82	135.569	Unknown origin
MEW001_M0140	466371.01	3970369.07	2.7	621.86	137.688	Unknown origin
MEW001_M0141	466406.5	3984441.15	2.5	640.52	123.484	Unknown origin
MEW001_M0144	466433.85	3988766.19	3.5	299.91	119.173	Unknown origin
MEW001_M0145	467026.12	3980573.01	0.6	302.76	127.387	Unknown origin
MEW001_M0146	467055.5	3980228.99	0.8	298.38	127.732	Unknown origin
MEW001_M0148	466296.92	3969358.96	0.6	614.25	138.701	Unknown origin
MEW001_M0149	466674.10	3989223.35	5.1	27.18	118.734	Unknown origin
MEW001_M0156	467308.69	3974358.09	0.6	8.96	133.637	Unknown origin

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0160	467466.03	3975798.18	1.2	-28.79	132.189	Unknown origin
MEW001_M0161	467480.51	3976098.69	0.9	-25.57	131.888	Unknown origin
MEW001_M0163	467459.02	3975665.72	1.8	-30.67	132.321	Unknown origin
MEW001_M0164	467410.73	3979751.18	2.1	-14.28	128.235	Unknown origin
MEW001_M0166	467248.05	3982143.72	1.6	-32.38	125.837	MEW001_T0113/unknown object
MEW001_M0167	467908.12	3974585.75	0.5	-570.16	133.361	Unknown origin
MEW001_M0168	462367.40	3963719.90	1.1	290.97	148.788	Unknown origin
MEW001_M0169	467249.12	3966180.30	4.7	-591.22	141.793	Unknown origin
MEW001_M0170	467112.38	3983429.03	3	9.82	124.545	Unknown origin
MEW001_M0175	466460.78	3992593.53	0.5	-4.22	115.357	Unknown origin
MEW001_M0176	466490.96	3992155.23	3.1	-2.57	115.797	Unknown origin
MEW001_M0178	466585.06	3990872.24	0.6	-3.47	117.083	MEW001_T0120/unknown object
MEW001_M0179	467006.63	3984807.66	1.2	15.42	123.162	Unknown origin
MEW001_M0180	467011.78	3984768.53	1.1	13.12	123.202	Unknown origin
MEW001_M0181	467031.72	3984521.78	3.5	11.1	123.449	Unknown origin
MEW001_M0182	467067.3	3984073.7	0.6	8.08	123.899	Unknown origin
MEW001_M0185	467125.42	3983360.05	1.2	1.81	124.615	Unknown origin
MEW001_M0191	467290.86	3980899.58	1.6	15.06	127.081	Unknown origin
MEW001_M0192	467450.80	3978824.39	0.4	8.39	129.162	Unknown origin
MEW001_M0193	467481.14	3977987.42	2.2	6.7	130.000	Unknown origin
MEW001_M0195	467422.34	3975733.36	2.1	10.54	132.256	MEW001_T0064/unknown object
MEW001_M0199	467135.33	3972190.31	0.7	6.92	135.811	Unknown origin
MEW001_M0202	466785.12	3967689.08	1.6	-7.04	140.326	Unknown origin
MEW001_M0208	466593.62	3965729.33	1.8	25.78	142.295	Unknown origin
MEW001_M0209	466691.70	3967029.90	1.2	32.91	140.991	Unknown origin
MEW001_M0210	467130.03	3972090.35	2.1	4.14	135.911	Unknown origin
MEW001_M0212	466970.39	3970227.73	1.2	13.04	137.781	Unknown origin
MEW001_M0214	464692.88	3962779.64	0.2	-17.96	146.109	Unknown origin
MEW001_M0215	464207.06	3962697.35	9.9	-27.68	146.598	MEW001_T0188/unknown object
MEW001_M0216	464021.15	3962679.05	5.4	-43.58	146.782	Unknown origin
MEW001_M0218	463453.74	3962780.82	4.6	-20.89	147.352	Unknown origin
MEW001_M0220	462542.54	3963245.07	8.6	-2.48	148.376	Metal sheet as detected by ROV

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0222	466483.27	3964585.45	4.2	6.23	143.447	Unknown origin
MEW001_M0223	465446.82	3963103.17	5.8	-22.49	145.292	Unknown origin
MEW001_M0224	465206.38	3962938.24	4.9	-46.94	145.579	Unknown origin
MEW001_M0225	463182.84	3963535.93	2.8	588	147.948	Unknown origin
MEW001_M0226	465416.98	3964289.37	3.7	865.92	144.311	Unknown origin
MEW001_M0227	464739.64	3963746.68	3.7	883.56	145.667	Unknown origin
MEW001_M0228	463099.61	3963959.61	0.8	901.73	148.319	Unknown origin
MEW001_M0229	463587.47	3963703.22	0.3	902.35	147.511	Unknown origin
MEW001_M0230	466653.82	3990316.22	0.8	-31.77	117.643	Unknown origin
MEW001_M0233	462621.92	3963199.28	13.7	4.45	148.285	Debris as detected by RVO
MEW001_M0237	465430.8	3963078.5	6.5	-34.63	145.318	Unknown origin
MEW001_M0238	466130.81	3963731.92	4.5	-38.76	144.369	Unknown origin
MEW001_M0239	466487.19	3964051.52	2.2	-182.18	143.931	Unknown origin
MEW001_M0240	467111.79	3984124.45	0.6	-39.97	123.851	Unknown origin
MEW001_M0241	463716.17	3963026.81	0.8	274.52	147.135	Unknown origin
MEW001_M0242	466749.28	3967393.54	21.1	4.85	140.624	Unknown origin
MEW001_M0247	466915.15	3969309.95	1.1	-5.92	138.700	Unknown origin
MEW001_M0248	467048.36	3970890.17	2	-11.25	137.114	Unknown origin
MEW001_M0254	467196.67	3972804.38	0.4	-4.69	135.194	Unknown origin
MEW001_M0259	467190.97	3972569.3	2.4	-17.97	135.429	Unknown origin
MEW001_M0260	467161.5	3972136.59	1.1	-23.5	135.863	Unknown origin
MEW001_M0263	467082.73	3971188.88	1	-21.42	136.814	Unknown origin
MEW001_M0264	467082.17	3971049.43	2.5	-32.11	136.953	Unknown origin
MEW001_M0266	467071.07	3970590.72	0.4	-58.04	137.411	Unknown origin
MEW001_M0268	467053.79	3970406.28	11.5	-55.69	137.596	Unknown origin
MEW001_M0269	463574.39	3962753.29	5.3	-20.43	147.229	Unknown origin
MEW001_M0272	465347.49	3963041.05	6.7	-23.33	145.408	Unknown origin
MEW001_M0274	466606.44	3965341.85	2.7	-18.25	142.680	Unknown origin
MEW001_M0275	466702.24	3966452.48	1	-24.17	141.565	Unknown origin
MEW001_M0279	466975.08	3969868.46	0.9	-20.61	138.138	Unknown origin/not detected by ROV
MEW001_M0280	467001.31	3970245.12	1	-16.38	137.761	Unknown origin

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0283	467100.05	3971491.18	1	-14.3	136.511	Unknown origin
MEW001_M0284	467138.57	3971922.57	1.1	-17.9	136.078	Unknown origin
MEW001_M0286	467198.38	3972693.23	2.7	-15.36	135.305	Unknown origin
MEW001_M0288	467006.38	3970036.64	3.8	-38.25	137.968	Unknown origin
MEW001_M0290	466953.88	3969661.11	9.6	-16.2	138.347	Unknown origin
MEW001_M0291	466924.73	3969435.33	1.6	-5.36	138.574	Unknown origin
MEW001_M0298	466576.61	3965111.49	19.8	-7.1	142.912	Unknown origin
MEW001_M0302	463178.67	3962905.15	11.2	12.68	147.651	Unknown origin
MEW001_M0303	462206.44	3963450.43	44.5	-22.34	148.769	Unknown origin
MEW001_M0304	466866.79	3986638.20	1.5	22.28	121.326	Unknown origin
MEW001_M0306	466722.01	3988610.68	3.6	23.78	119.349	Unknown origin
MEW001_M0308	467115.48	3983253.45	0.6	19.45	124.72	Unknown origin
MEW001_M0315	467354.49	3979942.82	0.6	24.72	128.039	Unknown origin
MEW001_M0316	467339.74	3980108.75	0.4	23.6	127.873	Unknown origin
MEW001_M0317	467285.34	3980877.19	0.7	22.19	127.103	Unknown origin
MEW001_M0320	467248.76	3981373.79	0.4	22.69	126.605	Unknown origin
MEW001_M0321	467215.09	3981754.72	1.4	28.68	126.222	Unknown origin
MEW001_M0325	467443.7	3976463.35	1.2	28.08	131.526	Unknown origin
MEW001_M0326	467467.05	3977191.34	0.8	23.39	130.797	Unknown origin
MEW001_M0332	467276.85	3974115.36	1.1	21.12	133.881	Unknown origin
MEW001_M0333	467286.35	3974231.66	1.1	21.03	133.764	Unknown origin
MEW001_M0337	466527.83	3991183.89	1.8	31.03	116.768	Unknown origin
MEW001_M0338	466505.95	3991410.88	3.7	36.41	116.540	Unknown origin
MEW001_M0340	466468.26	3992247.85	0.5	13.36	115.703	Unknown origin
MEW001_M0342	466423.55	3993145.75	1.3	-7.09	114.804	MEW001_T0052
MEW001_M0347	466750.84	3988509.44	1.3	2.36	119.452	Unknown origin
MEW001_M0357	467203.56	3982267.31	0.5	3.04	125.710	Unknown origin
MEW001_M0360	467387.86	3975042.11	0.5	-10.48	132.948	Unknown origin
MEW001_M0362	467215.50	3982123.2	3.7	1.57	125.855	MEW001_T0113/unknown object
MEW001_M0364	467239.20	3981836.51	1.1	-1.29	126.143	Unknown origin
MEW001_M0365	467246.90	3981755.10	0.8	-3.08	126.224	Unknown origin
MEW001_M0367	467472.66	3978457.67	0.7	2.36	129.530	Unknown origin

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0370	467224.73	3973063.81	1.1	-11.74	134.933	Unknown origin
MEW001_M0371	467131.22	3971968.84	0.5	-6.85	136.032	Unknown origin
MEW001_M0374	466837.22	3968397.74	1.8	-1.82	139.616	Unknown origin
MEW001_M0376	466753.92	3967433.90	33.4	3.48	140.583	Unknown origin
MEW001_M0377	466681.46	3966696.46	1.9	16.22	141.324	Unknown origin
MEW001_M0381	466921.25	3969479.49	3.2	1.67	138.531	Unknown origin
MEW001_M0383	466892.83	3969177.84	1.3	5.67	138.833	Unknown origin
MEW001_M0386	466578.46	3965300.84	1.2	6.33	142.723	Unknown origin
MEW001_M0392	463260.83	3962839.90	2.2	-20.09	147.552	Unknown origin
MEW001_M0394	462486.87	3963278.49	1.1	-6.26	148.441	Tires as detected by ROV
MEW001_M0395	462309.57	3963422.23	0.6	12.5	148.668	Metal debris and rope as detected by ROV
MEW001_M0396	462372.45	3963368.87	0.6	3.88	148.586	Unknown origin/not detected by ROV
MEW001_M0397	462420.25	3963330.46	0.6	-0.9	148.525	Lifting straps as detected by ROV
MEW001_M0402	463384.52	3962820.46	2.9	-1.05	147.429	Unknown origin
MEW001_M0403	464560.23	3962791.15	2.3	22.31	146.236	Unknown origin/not detected by ROV
MEW001_M0404	464800.18	3962857.54	3.7	28.29	145.985	Unknown origin
MEW001_M0405	464935.15	3962906.73	6.2	31.7	145.839	Unknown origin
MEW001_M0406	465300.71	3963076.84	2.1	31.05	145.430	Unknown origin
MEW001_M0407	466004.91	3963655.45	1.4	14.89	144.505	Unknown origin
MEW001_M0408	464900.25	3962893.34	8.7	31.02	145.877	Unknown origin
MEW001_M0409	466240.72	3964031.62	4.4	28.12	144.057	Unknown origin
MEW001_M0410	466572.06	3965401.00	79.2	20.79	142.624	Unknown origin
MEW001_M0412	466763.13	3967846.86	1.5	27.6	140.171	Unknown origin
MEW001_M0413	466786.92	3968080.16	0.9	22.71	139.936	Unknown origin
MEW001_M0414	466794.27	3968196.12	1.5	24.73	139.820	Unknown origin
MEW001_M0415	467020.69	3970960.57	1.1	22.01	137.046	MEW001_T0191/unknown object
MEW001_M0417	467094.24	3971777.39	0.7	14.57	136.226	Unknown origin
MEW001_M0418	467177.04	3972896.47	1.1	22.3	135.104	Unknown origin
MEW001_M0419	467161.34	3972723.52	0.6	24	135.278	Unknown origin
MEW001_M0420	467152.78	3972613.27	0.8	23.64	135.388	Unknown origin

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0424	466877.00	3969197.38	2.4	23.02	138.815	Unknown origin
MEW001_M0425	466893.02	3969340.37	1.8	18.59	138.671	Unknown origin
MEW001_M0427	466919.61	3969632.45	45.4	15.64	138.378	Unknown origin
MEW001_M0431	467194.26	3976651.60	1.1	284.14	131.346	Unknown origin
MEW001_M0432	467798.97	3982797.30	7.2	-629.2	125.225	Unknown origin
MEW001_M0433	466423.69	3992601.25	5.2	32.21	115.347	Unknown origin
MEW001_M0435	466278.27	3994651.66	1.5	28.71	113.291	Unknown origin
MEW001_M0438	466265.8	3995635.51	13.9	-30.13	112.309	Unknown origin
MEW001_M0445	466206.66	3995753.51	1.3	20.31	112.187	Unknown origin
MEW001_M0446	466231.63	3995191.61	1.3	36.11	112.750	MEW001_T0209
MEW001_M0452	466535.69	3991649.19	2.2	-10.52	116.305	Unknown origin
MEW001_M0453	466524.54	3991759.59	2.5	-7.4	116.194	Unknown origin
MEW001_M0456	466391.04	3993734.92	1.5	-17.35	114.214	Unknown origin
MEW001_M0458	465802.27	3993136.97	0.5	613.19	114.768	Unknown origin
MEW001_M0459	465680.09	3994871.69	0.5	609.38	113.029	Unknown origin
MEW001_M0461	466288.59	3994936.00	0.9	-2.18	113.009	Unknown origin
MEW001_M0465	466076.06	3998049.23	1.9	-15.75	109.888	MEW001_T0246/unknown object
MEW001_M0468	465845.57	4001134.60	1.5	-9.39	106.794	Unknown origin/not detected by ROV
MEW001_M0469	465790.30	4001841.64	3.1	-5.49	106.085	Unknown origin/not detected by ROV
MEW001_M0470	465775.91	4002072.36	2.3	-7.85	105.854	Unknown origin/not detected by ROV
MEW001_M0474	465384.24	4015889.80	0.9	-618.22	92.044	Unknown origin
MEW001_M0478	465437.05	4010893.76	1.1	-308.95	97.031	Unknown origin
MEW001_M0481	466026.19	4002327.22	2.4	-275.94	105.618	Unknown origin
MEW001_M0482	466077.75	4001620.06	1.6	-276.13	106.327	Unknown origin
MEW001_M0483	466109.27	4001088.83	2.8	-269.08	106.859	Unknown origin
MEW001_M0485	466155.60	4000377.45	1.4	-263.75	107.572	MEW001_T0228/Some probable almost buried ferromagnetic objects
MEW001_M0486	466354.37	3997811.40	0.8	-276.1	110.145	Unknown origin
MEW001_M0489	465238.34	4005465.59	0.6	282.48	102.431	Unknown origin
MEW001_M0491	465506.29	4001480.4	2.4	303.95	106.425	Unknown origin

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0493	465818.38	3996924.11	0.3	322.76	110.992	Unknown origin
MEW001_M0494	465870.07	3996172.74	0.4	325.64	111.745	Unknown origin
MEW001_M0497	464848.16	4010667.99	1	294.75	97.214	MEW001_T0238/unknown object
MEW001_M0498	464917.25	4009824.31	0.5	286.96	98.060	Unknown origin
MEW001_M0499	465015.07	4008529.65	3	283.19	99.358	Unknown origin
MEW001_M0501	465400.86	3998313.07	1.1	638.56	109.576	Unknown origin
MEW001_M0502	465379.22	3998687.65	1.2	633.01	109.201	Unknown origin
MEW001_M0503	464688.62	4008368.45	3.6	620.46	99.496	Unknown origin
MEW001_M0508	466326.36	4002322.64	2.8	-574.99	105.644	Unknown origin
MEW001_M0510	466394.8	4001313.06	3.2	-570.11	106.656	Unknown origin
MEW001_M0511	466182.37	4004451.82	0.4	-585.62	103.510	Unknown origin
MEW001_M0514	464349.38	4021590.36	2.6	0.94	86.284	Unknown origin
MEW001_M0517	464782.75	4015558.62	2.2	5.68	92.331	Unknown origin
MEW001_M0519	464925.81	4013536.3	1	9.5	94.358	Unknown origin
MEW001_M0520	465423.45	4006586.82	3.6	16.63	101.326	MEW001_T0244/unknown object
MEW001_M0521	465503.75	4005563.6	0.3	10.67	102.352	Unknown origin
MEW001_M0523	465715.39	4002629.94	0.8	12.12	105.293	Unknown origin/not detected by ROV
MEW001_M0524	465742.00	4002297.8	2.9	9.64	105.627	Unknown origin/not detected by ROV
MEW001_M0526	465786.84	4001767.36	4.5	3.34	106.159	Unknown origin/not detected by ROV
MEW001_M0529	466005.52	3998669.17	7	9.69	109.265	Unknown origin
MEW001_M0532	465474.15	4001471.94	2.8	336.61	106.431	Unknown origin
MEW001_M0533	465664.00	3998812.56	2.1	339.92	109.097	Unknown origin
MEW001_M0535	466051.41	3997899.28	3.1	19.7	110.036	Unknown origin
MEW001_M0537	465953.97	3999295.49	6.3	15.73	108.636	Unknown origin
MEW001_M0539	465836.74	4000802.07	1.5	23.51	107.125	Unknown origin
MEW001_M0540	465821.67	4000953.64	0.8	27.56	106.973	Unknown origin
MEW001_M0541	465807.19	4001200.53	0.8	24.11	106.726	Unknown origin/not detected by ROV
MEW001_M0543	465760.37	4001771.54	0.7	29.44	106.153	Possible chain or fixed mooring/not detected by ROV
MEW001_M0544	465753.64	4001842.22	0.4	31.03	106.082	Unknown origin/not detected by ROV

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 49/ 63
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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0546	465715.57	4002844.63	0.9	-3.62	105.079	Unknown origin/not detected by ROV
MEW001_M0548	465510.47	4005372.73	1.6	17.79	102.543	Unknown origin
MEW001_M0551	465206.22	4009372.28	3.5	31.5	98.532	Unknown origin
MEW001_M0552	465200.99	4009446.42	0.9	31.34	98.457	Unknown origin
MEW001_M0553	465097.18	4010707.17	2.2	43.54	97.193	Unknown origin
MEW001_M0557	464518.36	4019167.82	1.4	7.9	88.712	Unknown origin
MEW001_M0560	464220.44	4023790.44	0.8	-29.85	84.080	Unknown origin
MEW001_M0568	464969.79	4013115.96	2.5	-3.91	94.781	MEW001_T0249/unknown object
MEW001_M0570	465226.98	4009521.77	0.6	-0.04	98.384	Unknown origin
MEW001_M0571	465548.52	4005331.43	2.6	-17.16	102.587	Unknown origin
MEW001_M0572	465565.88	4005044.19	0.2	-13.67	102.875	Unknown origin
MEW001_M0577	465916.16	4000210.59	1.5	-12.85	107.721	Unknown origin
MEW001_M0579	465974.06	3999326.88	2.4	-6.58	108.606	Unknown origin
MEW001_M0581	466174.45	3996431.14	1	3.34	111.509	Unknown origin
MEW001_M0582	466137.05	3997658.00	0.9	-48.24	110.283	Unknown origin
MEW001_M0583	466110.96	3997993.88	0.6	-46.55	109.946	MEW001_T0246
MEW001_M0584	466061.45	3998353.76	0.5	-23.24	109.583	Unknown origin
MEW001_M0588	465874.19	4000900.41	0.8	-20.97	107.030	Unknown origin
MEW001_M0590	465817.67	4001763.26	1.1	-27.11	106.165	Unknown origin
MEW001_M0595	464997.40	4013002.56	1.9	-23.23	94.896	Unknown origin
MEW001_M0597	464800.07	4015624.59	2.3	-16.38	92.267	Unknown origin
MEW001_M0598	464374.32	4021536.87	10.6	-20.06	86.339	Unknown origin
MEW001_M0601	464256.98	4023163.83	2.6	-20.9	84.708	MEW001_T0250/unknown object
MEW001_M0606	464545.15	4019008.01	1.4	-7.24	88.874	Unknown origin
MEW001_M0607	464512.2	4019463.95	0.4	-7.41	88.416	Unknown origin
MEW001_M0609	464364.01	4021620.7	2.2	-15.85	86.255	Unknown origin
MEW001_M0611	464338.33	4021936.07	0.9	-13.09	85.938	Unknown origin
MEW001_M0614	458606.15	4039481.64	5.8	275.83	66.988	Unknown origin
MEW001_M0616	459153.76	4038513.09	0.6	283.06	68.100	Unknown origin
MEW001_M0617	459412.84	4038067.06	0.9	280.41	68.616	Unknown origin
MEW001_M0622	462953.40	4031014.67	1	605.65	76.643	Unknown origin

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 50/ 63
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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0625	459268.59	4037731.59	1.9	572.51	68.835	Unknown origin
MEW001_M0627	457414.13	4040944.44	2.1	581.44	65.125	Unknown origin
MEW001_M0630	454461.29	4047262.58	1.2	-2.9	58.176	Unknown origin
MEW001_M0635	461989.78	4034111.59	4.9	14.58	73.329	Unknown origin
MEW001_M0641	462214.43	4033792.70	7	-21.51	73.718	Unknown origin
MEW001_M0646	458655.48	4039946.71	3	1.53	66.609	Unknown origin
MEW001_M0647	457547.03	4041887.92	1.5	-3.5	64.373	Unknown origin
MEW001_M0649	455426.59	4045579.12	0.4	-2.03	60.116	Unknown origin
MEW001_M0650	455476.68	4045492.61	0.6	-2.41	60.216	Unknown origin
MEW001_M0653	454318.16	4047552.85	4.8	-23.27	57.853	Unknown origin
MEW001_M0658	459926.32	4037820.94	10.8	-42.4	69.085	Unknown origin
MEW001_M0666	463277.77	4033146.57	1.9	-622.07	74.807	Unknown origin
MEW001_M0667	462723.18	4034105.55	2.5	-618.48	73.700	Unknown origin
MEW001_M0674	460535.46	4036767.08	2.6	-46.07	70.302	MEW001_T0313/unknown object
MEW001_M0675	460611.60	4036624.43	0.8	-41.09	70.464	Unknown origin
MEW001_M0677	457964.89	4041244.61	1.4	-45.66	65.139	Unknown origin
MEW001_M0678	457745.68	4041636.54	0.6	-50.65	64.690	Unknown origin
MEW001_M0681	463067.30	4032982.72	1.7	-357.96	74.845	Unknown origin
MEW001_M0685	463733.97	4030115.11	4.3	-2.85	77.737	Unknown origin
MEW001_M0692	460419.39	4036837.17	0.9	19.7	70.184	Unknown origin
MEW001_M0695	458990.55	4039305.50	3.4	30.13	67.332	Unknown origin
MEW001_M0701	459882.04	4037852.87	2.8	-19.9	69.035	Unknown origin
MEW001_M0706	463948.28	4027144.12	1	-1.36	80.716	Unknown origin
MEW001_M0708	463821.15	4028627.12	1.4	17.99	79.227	Unknown origin
MEW001_M0713	459995.8	4037587.22	0.9	13.69	69.322	Unknown origin
MEW001_M0714	459966.84	4037637.23	1.3	13.91	69.265	Unknown origin
MEW001_M0715	459836.74	4037870.77	4.8	10.48	68.997	Unknown origin
MEW001_M0716	459774.58	4037987.20	1.1	6.43	68.865	Unknown origin
MEW001_M0717	459493.79	4038492.93	11.2	-1.81	68.287	Unknown origin
MEW001_M0719	458985.79	4039312.74	7.1	30.66	67.323	Unknown origin
MEW001_M0721	452148.72	4052471.34	0.9	-590.27	52.507	Unknown origin
MEW001_M0722	450023.17	4056725.67	2.4	-578.63	47.587	Unknown origin

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0723	449911.2	4057145.39	1.5	-584.47	47.153	Unknown origin
MEW001_M0724	447129.96	4067098.56	0.8	-601.74	36.818	Unknown origin
MEW001_M0725	446436.52	4069563.05	1.6	-601.42	34.258	Unknown origin
MEW001_M0726	445281.87	4072755.31	1.1	-599.51	31.025	Unknown origin
MEW001_M0727	443038.72	4076016.11	150.4	-596.27	27.087	Unknown origin
MEW001_M0728	438493.99	4082632.24	2.1	-600.86	19.060	Unknown origin
MEW001_M0729	438263.08	4082970.55	1.7	-602.32	18.651	Unknown origin
MEW001_M0731	452734.73	4050345.96	1.8	-40.45	54.642	Unknown origin
MEW001_M0732	452672.84	4050451.38	1.9	-39.25	54.520	Unknown origin
MEW001_M0734	450606.95	4054042.59	1.6	-35.31	50.377	Unknown origin
MEW001_M0735	449929.90	4055281.08	0.5	-39.41	48.961	Unknown origin
MEW001_M0736	449906.83	4055332.81	1.1	-39.21	48.904	Unknown origin
MEW001_M0737	449773.82	4055657.78	0.6	-35.79	48.550	Unknown origin
MEW001_M0739	448901.79	4058633.81	3.2	-15.72	45.446	Unknown origin
MEW001_M0740	448875.71	4058729.81	2.6	-16.61	45.347	Unknown origin
MEW001_M0741	448800.12	4058974.41	2.5	-10.06	45.091	Unknown origin
MEW001_M0742	447939.49	4061983.36	1.3	3.81	41.961	Unknown origin
MEW001_M0743	447623.37	4063130.68	7.6	-2.49	40.771	Unknown origin
MEW001_M0744	446505.63	4067166.52	4.4	-19.13	36.584	Unknown origin
MEW001_M0745	446368.04	4067649.91	9.3	-17.55	36.081	Unknown origin
MEW001_M0746	440154.20	4079150.41	5.6	4.28	22.870	Unknown origin
MEW001_M0751	441615.34	4077021.59	1.1	6.73	25.452	Unknown origin
MEW001_M0752	443216.96	4074694.07	1.4	6.04	28.277	Unknown origin
MEW001_M0756	448663.79	4059374.17	0.8	12.95	44.669	Unknown origin
MEW001_M0757	448677.83	4059334.91	0.8	10.06	44.711	Unknown origin
MEW001_M0758	448691.13	4059287.90	0.8	9.99	44.760	Unknown origin
MEW001_M0762	448926.07	4058466.59	1.3	6.17	45.614	Unknown origin
MEW001_M0764	450419.39	4054292.59	15.2	2.9	50.067	Unknown origin
MEW001_M0765	452104.18	4051329.94	7.9	16.57	53.475	Unknown origin
MEW001_M0766	451882.38	4051713.75	3.1	17.87	53.032	Unknown origin
MEW001_M0767	451796.75	4051864.15	2.7	17.26	52.859	Unknown origin
MEW001_M0768	451685.45	4052064.57	1.9	14.02	52.629	Unknown origin

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 52/ 63
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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0770	448798.68	4058789.20	9.8	41.47	45.269	Unknown origin
MEW001_M0772	450203.45	4054628.28	1.4	23.07	49.668	Unknown origin
MEW001_M0773	448346.20	4060461.42	3.5	24.32	43.537	Unknown origin/not detected by ROV
MEW001_M0774	448842.69	4058706.52	97.1	21.48	45.360	Unknown origin
MEW001_M0775	448731.25	4059092.01	2.7	24.4	44.959	Unknown origin
MEW001_M0777	444475.52	4072827.97	0.6	26.53	30.528	Unknown origin
MEW001_M0779	446508.62	4067003.09	1.3	22.24	36.742	Unknown origin
MEW001_M0780	446287.45	4067809.1	1.1	16.94	35.906	Unknown origin
MEW001_M0782	438996.54	4080806.14	5.1	19.87	20.850	MEW001_T0034
MEW001_M0783	438649.46	4081311.69	1.1	19.36	20.237	Unknown origin
MEW001_M0784	437929.16	4082358.12	5	19.86	18.966	Unknown origin
MEW001_M0786	433967.89	4088269.13	60.1	18.81	11.849	Unknown origin
MEW001_M0787	433579.83	4089586.88	1.3	27.87	10.478	Unknown origin
MEW001_M0788	437351.09	4082729.25	1.4	285.85	18.333	Unknown origin
MEW001_M0789	442268.01	4075575.63	5.3	288.36	27.013	Unknown origin
MEW001_M0790	453133.28	4049023.42	3.5	272.28	55.988	Unknown origin/not detected by ROV
MEW001_M0791	448689.02	4057164.18	0.9	586.98	46.804	Unknown origin
MEW001_M0792	446923.62	4063416.6	1.1	593.72	40.307	Unknown origin
MEW001_M0793	443234.54	4073621.91	0.8	599.12	29.171	Unknown origin
MEW001_M0794	438876.24	4079956.37	13.5	600.53	21.482	MEW001_T0330
MEW001_M0795	444992.13	4070223.93	1.6	610.11	33.231	Unknown origin
MEW001_M0798	446638.92	4067763.32	10.3	-309.01	36.045	Unknown origin
MEW001_M0799	435206.76	4086349.88	2.7	0.93	14.134	Unknown origin
MEW001_M0800	434782.05	4086988.08	1.8	-10.78	13.368	Unknown origin
MEW001_M0801	433695.33	4089163.92	1.4	-7.51	10.914	MEW001d_T007/Unknown circular object
MEW001_M0805	446346.70	4067596.36	8.1	17.5	36.127	Unknown origin
MEW001_M0806	446108.20	4067508.86	4.3	270.78	36.146	Unknown origin
MEW001_M0807	452819.49	4048930.20	3.2	590.83	55.912	Unknown origin/not detected by ROV
MEW001_M0808	449198.75	4055427.25	0.8	583.43	48.570	Unknown origin
MEW001_M0809	445801.45	4067378.10	7.5	601.47	36.189	Unknown origin

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 53/ 63
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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M0811	440226.10	4079083.18	3.3	-16.86	22.966	Unknown origin
MEW001_M0812	446399.6	4067599.66	7.9	-34.32	36.138	Unknown origin
MEW001_M0813	438269.15	4081912.59	1.4	-7.8	19.526	Unknown origin
MEW001_M0816	449454.85	4056656.36	6.7	-12.77	47.500	Unknown origin
MEW001_M0817	449644.62	4055987.02	4.1	-14.78	48.196	Unknown origin
MEW001_M0818	451656.53	4052189.51	0.8	-23.1	52.507	Unknown origin
MEW001_M0819	451514.09	4052446.19	0.7	-27.34	52.213	Unknown origin
MEW001_M0820	450165.75	4054856.00	2.5	-57.6	49.452	Unknown origin
MEW001_M0826	448718.49	4059326.37	2.3	-26.77	44.730	Unknown origin
MEW001_M0827	448384.26	4060490.10	1.8	-20.08	43.519	Concrete block as detected by ROV
MEW001_M0828	448214.97	4061131.12	7.4	-30.66	42.856	Unknown origin
MEW001_M0829	446908.58	4067900.41	2.3	-605.72	35.986	Unknown origin
MEW001_M0830	447773.74	4062679.49	4	-25.1	41.246	Unknown origin
MEW001_M0832	447409.84	4064000.49	2.9	-32.42	39.876	Unknown origin
MEW001_M0833	447094.01	4065085.85	3.5	-22.23	38.746	Unknown origin
MEW001_M0834	446879.38	4065772.2	0.8	-1.43	38.027	Unknown origin
MEW001_M0835	446715.45	4066402.21	1.1	-14.19	37.376	Unknown origin
MEW001_M0836	446327.78	4067790.30	8.1	-16.8	35.935	Unknown origin
MEW001_M0837	445285.19	4071448.87	2.4	-18.95	32.132	Unknown origin
MEW001_M0838	441446.46	4077323.14	5	-25	25.108	Unknown origin
MEW001_M0841	437952.45	4082407.61	11.3	-27.38	18.939	Unknown origin
MEW001_M0842	437910.05	4082470.04	1.2	-27.82	18.863	Unknown origin/not detected by ROV
MEW001_M0844	437645.58	4082841.17	1.6	-20.22	18.407	Unknown origin
MEW001_M0845	445599.49	4070270.08	4.9	12.94	33.351	Unknown origin
MEW001_M0846	434039.84	4091134.3	14.1	-85.07	8.853	Unknown origin/not detected by ROV
MEW001_M1032	461417.89	3962642.93	28.6	-1133.84	148.965	Unknown origin
MEW001_M1052	461429.08	3962573.89	40.2	-1184.55	148.917	Unknown origin
MEW001_M1056	462157.79	3963652.50	25.1	117.13	148.923	Unknown origin
MEW001_M1096	461487.02	3962651.58	24.5	-1087.72	148.913	Unknown origin

LIGHTHOUSE GAS		GAS PIPELINE INTERCONNECTION MALTA-ITALY POST SURVEY ASSESSMENT DETERMINATION OF POSITIONS OF UXOS AND CABLES				 MINISTERU GHALL-ENERĠJA U L-IMMANIĠĠJAR TAL-ILMA
Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 54/ 63

6.7.0 Magnetic Anomalies List (Malta Nearshore area)

Table 15 – Other Man-made Structures: magnetic anomalies list (Malta Nearshore)

ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M1000	462151.27	3963987.27	123.3	389.96	149.118	Unknown origin
MEW001_M1001	462310.56	3964663.02	84.4	1037.89	149.367	Unknown origin
MEW001_M1004	461870.96	3964211.09	38.3	416.8	149.475	MEW001_T0405/unknown object
MEW001_M1005	462100.21	3964988.23	84.6	1187.91	149.724	Deadweight buoy
MEW001_M1006	462048.43	3964897.50	69.3	1083.78	149.716	Deadweight buoy
MEW001_M1007	461996.93	3964798.48	22	972.97	149.702	Deadweight chain
MEW001_M1008	461600.53	3964681.25	19.3	652.67	149.964	Deadweight buoy/wire and dead weight as detected by ROV
MEW001_M1009	461115.09	3963331.62	19.7	-735.72	149.604	Unknown origin
MEW001_M1010	460977.24	3963731.28	29	-483.33	149.943	Unknown origin
MEW001_M1011	460935.76	3963642.97	10.3	-579.66	149.927	Debris detected by ROV
MEW001_M1012	460874.95	3963515.20	12.7	-719.47	149.906	MEW001_T0410/probable anchor
MEW001_M1013	460713.37	3963189.53	16.4	-1079.54	149.855	MEW001_T0454/probable anchor
MEW001_M1016	460598.71	3963627.91	17.1	-782.1	150.197	MEW001_T0415/probable anchor
MEW001_M1017	460664.83	3963765.51	14	-631.18	150.220	MEW001_T0416/not detected by ROV
MEW001_M1018	461332.12	3964870.25	229.6	657.46	150.292	Deadweight buoy
MEW001_M1019	461068.86	3964311.21	196.1	47.31	150.194	MEW001_T0345/Debris area
MEW001_M1020	461009.93	3964184.12	80.4	-90.88	150.171	Unknown origin
MEW001_M1021	460985.87	3964133.98	74	-145.86	150.163	Unknown origin
MEW001_M1022	460965.15	3964089.48	53.1	-194.29	150.155	Unknown origin/not detected by ROV
MEW001_M1024	461106.53	3964096.83	20.6	-108.52	150.042	Unknown origin
MEW001_M1025	460702.81	3963420.29	22.9	-894.9	149.994	MEW001_T0350/unknown object
MEW001_M1026	461464.80	3963232.00	104.9	-620.85	149.259	MEW001_T0438/anchor as detected by ROV
MEW001_M1027	462027.10	3964773.57	61.2	969.4	149.663	Deadweight
MEW001_M1028	461899.25	3964508.09	18.2	678.05	149.619	Unknown origin
MEW001_M1030	461531.48	3964111.44	31.5	143.11	149.699	Deadweight
MEW001_M1031	461922.16	3963965.26	18.9	242.62	149.294	Unknown origin
MEW001_M1033	462202.42	3964248.04	19.3	634.18	149.222	Unknown origin/not detected by ROV
MEW001_M1034	462281.29	3964407.02	31	809.95	149.247	MEW001_T0475/probable anchor

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M1035	460908.04	3963049.88	56.6	-1085.14	149.616	Unknown origin
MEW001_M1036	461478.47	3964240.12	27.3	219.51	149.816	Unknown origin/not detected by ROV
MEW001_M1038	461501.34	3964729.68	46.7	636.75	150.073	Deadweight (MEW001_T0371)/ropes and dead weight as detected by ROV
MEW001_M1039	461335.48	3964358.44	28.8	236.63	150.001	Probable anchor
MEW001_M1040	461239.32	3964150.41	74.5	10.59	149.963	Unknown origin/not detected by ROV
MEW001_M1041	460846.23	3963337.68	31.5	-882.28	149.829	Unknown origin
MEW001_M1042	460711.65	3963453.96	26	-862.11	150.006	MEW001_T0349/unknown object
MEW001_M1043	460931.10	3963922.41	20.5	-351.48	150.089	Unknown origin/not detected by ROV
MEW001_M1044	461478.41	3964707.21	86.4	605.27	150.079	MEW001_T0374- MEW001_T373/ Naval mine/Wire and dead weight as detected by ROV
MEW001_M1045	461012.97	3963998.46	9.9	-242.51	150.064	Unknown origin
MEW001_M1046	460874.79	3963847.34	23.3	-445.23	150.093	Unknown origin
MEW001_M1047	461145.63	3964048.04	24.3	-126.77	149.982	Unknown origin
MEW001_M1050	461001.10	3964157.41	37.7	-117.92	150.163	Unknown origin
MEW001_M1051	461026.22	3964205.10	37.7	-64.37	150.170	Unknown origin
MEW001_M1053	461700.83	3963116.75	174.5	-582.98	148.999	MEW001_T0485/Scaffold as detected by ROV
MEW001_M1054	462100.35	3963799.56	87.1	206.21	149.054	Unknown origin
MEW001_M1055	462444.51	3964511.83	23.9	988.53	149.171	Anchors (MEW001_T0473)
MEW001_M1058	462071.32	3963818.40	52.5	205.41	149.088	Unknown origin
MEW001_M1059	461502.29	3964846.49	93.3	733.77	150.138	Deadweight
MEW001_M1060	460549.42	3963231.09	70.2	-1137.64	150.014	Unknown origin
MEW001_M1061	460636.99	3963448.01	21.7	-909.11	150.064	Unknown origin
MEW001_M1063	461068.12	3964339.45	104.4	70.22	150.211	MEW001_T0346/debris area
MEW001_M1064	462217.27	3964211.67	64.2	612.51	149.190	Unknown origin/not detected by ROV
MEW001_M1067	462110.80	3963670.88	117.5	105.82	148.973	Unknown origin
MEW001_M1068	461935.27	3963672.73	78.7	8.39	149.119	Wire as detected by ROV
MEW001_M1069	462329.20	3964298.66	6.4	747.46	149.146	MEW001_T0486/probable anchors
MEW001_M1070	461782.80	3963208.86	24	-460.69	148.983	Unknown origin
MEW001_M1071	461672.84	3963180.23	10.9	-546.33	149.058	Unknown origin
MEW001_M1072	461428.77	3962813.42	24.4	-986.89	149.053	Unknown origin
MEW001_M1073	461652.8	3963252.24	20.4	-498.15	149.115	MEW001_T0470/unknown object

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M1074	461695.32	3963338.59	19.8	-402.86	149.128	MEW001_T0468/Metallic debris detected by ROV
MEW001_M1075	462285.57	3964561.35	32	939.83	149.330	Unknown origin
MEW001_M1076	461502.12	3963267.46	20.2	-570.52	149.248	MEW001_T0211/not detected by ROV
MEW001_M1079	461382.36	3962870.74	565.4	-965.71	149.123	Unknown origin
MEW001_M1080	462095.99	3964465.75	55.2	753.99	149.433	Unknown origin
MEW001_M1081	461628.35	3963485.05	18.4	-319.64	149.266	Unknown origin
MEW001_M1082	461908.56	3964012.88	47.2	274.28	149.332	Unknown origin
MEW001_M1083	462163.31	3964855.55	19.5	1113.9	149.597	Unknown origin
MEW001_M1084	461230.86	3964120.22	19.3	-19.11	149.953	Unknown origin/not detected by ROV
MEW001_M1085	461639.04	3964124.35	16.2	214.41	149.618	MEW001_T490/MEW001_T491-Naval mine and flat metallic object as detected by ROV
MEW001_M1088	461325.73	3963472.4	20.8	-500.69	149.509	Unknown origin
MEW001_M1089	461271.2	3963323.46	17	-654.45	149.470	Unknown origin
MEW001_M1090	461747.62	3964317.23	19.7	434.93	149.637	Unknown origin
MEW001_M1092	462059.81	3963755.94	17.8	147.33	149.063	Unknown origin
MEW001_M1097	461433.60	3963628.37	26.1	-311.06	149.508	Unknown origin
MEW001_M1099	461174.68	3963319.21	23.2	-712.37	149.548	Unknown origin
MEW001_M1100	461795.55	3963947.62	31.1	156.67	149.389	Unknown origin
MEW001_M1101	461130.56	3964879.71	43.6	551.65	150.464	Unknown origin
MEW001_M1102	461308.11	3965250.28	57.5	957.81	150.526	Deadweight
MEW001_M1103	460717.9	3963975.49	10.6	-427.83	150.295	Unknown origin/not detected by ROV
MEW001_M1104	460592.37	3963696.50	15	-729.03	150.241	Unknown origin
MEW001_M1106	460995.33	3964442.13	11.4	113.99	150.329	MEW001_T0366/unknown object
MEW001_M1107	461092.24	3964649.95	18.5	340.27	150.366	Anchors (MEW001_T0352)/not detected by ROV
MEW001_M1111	461164.28	3962711.44	41.7	-1220.22	149.214	Unknown origin
MEW001_M1113	461584.96	3963576.77	22.8	-268.35	149.354	MEW001_T0408/unknown object
MEW001_M1115	461341.39	3963073.91	94.8	-821	149.272	Unknown origin
MEW001_M1116	462239.71	3964946.16	79.4	1231.81	149.585	Unknown origin
MEW001_M1117	462249.20	3964915.87	11.6	1212.14	149.560	Unknown origin
MEW001_M1118	462115.88	3964635.27	14.3	905.22	149.512	Unknown origin
MEW001_M1119	461974.47	3964338.34	28.5	580.25	149.461	MEW001_T0437/Anchor /rubber debris as detected by ROV

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ right side, - left side)	KP	Description
MEW001_M1123	461293.53	3965229.31	99.1	932.27	150.526	Deadweight
MEW001_M1124	460965.67	3964269.53	33.6	-45.29	150.256	Unknown origin
MEW001_M1125	460509.97	3963328.20	14.3	-1079.68	150.102	MEW001_T0401/unknown object
MEW001_M1126	461279.48	3964590.95	14.5	397.1	150.178	Deadweight (MEW001_T0342)
MEW001_M1127	460835.86	3963182.77	62.6	-1016.07	149.750	Unknown origin
MEW001_M1128	460969.43	3963445.72	10.3	-723.59	149.788	Unknown origin
MEW001_M1129	461145.31	3963811.6	8.3	-322.24	149.849	Unknown origin
MEW001_M1130	461218.21	3963320.31	18.6	-686.93	149.512	Unknown origin
MEW001_M1131	461536.40	3963977.48	16.3	35.24	149.620	Unknown origin
MEW001_M1132	461616.58	3963708.91	18.4	-141.38	149.402	Unknown origin
MEW001_M1133	461472.06	3964546.66	51.8	469.08	149.994	Unknown origin
MEW001_M1134	461702.56	3963965.65	18.7	119.14	149.476	Unknown origin
MEW001_M1135	461385.87	3964866.39	93.2	684.57	150.245	Deadweight
MEW001_M1136	460760.78	3963428.80	108	-855.19	149.951	Unknown origin
MEW001_M1137	461250.79	3964927.05	200.8	658.53	150.391	Anchor chain anomaly
MEW001_M1138	460500.23	3963215.75	127.8	-1178.04	150.046	MEW001_T0441/unknown object
MEW001_M1139	460617.62	3963485.65	29.8	-888.94	150.101	Unknown origin
MEW001_M1140	460645.52	3963248.17	10.6	-1069.36	149.945	MEW001_T0382/unknown object
MEW001_M1141	461352.88	3963176.31	10.5	-729.94	149.320	Unknown origin
MEW001_M1142	461602.91	3963732.5	11.9	-129.6	149.427	Unknown origin
MEW001_M1143	461303.43	3963310.84	13.2	-646.7	149.436	Unknown origin
MEW001_M1144	461743.07	3964225.89	15.7	356.92	149.589	Unknown origin/not detected by ROV
MEW001_M1145	462051.13	3964748.35	60.1	962.12	149.629	Deadweight (MEW001_T0398)
MEW001_M1146	461077.17	3963998.60	56.7	-206.2	150.011	Unknown origin/not detected by ROV
MEW001_M1147	461139.66	3964125.64	26.9	-66.05	150.031	MEW001_T0380/probable anchor
MEW001_M1148	461250.99	3964856.79	405	600.61	150.351	Anchor related anomaly/not detected by ROV
MEW001_M1149	461216.07	3964188.21	24.7	28.71	150.003	Unknown origin
MEW001_M1150	461159.04	3964073.77	14.2	-97.96	149.986	Unknown origin
MEW001_M1151	460877.45	3963478.59	6.2	-748.3	149.883	MEW001_T0411/probable anchor
MEW001_M1152	460823.9	3963371.32	17.8	-867.08	149.867	Unknown origin

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ID	Easting (m)	Northing (m)	Gamma (nT)	DCC (m) (+ righth side, - left side)	KP	Description
MEW001_M1155	460945.03	3963570.81	24.1	-634.03	149.879	Unknown origin
MEW001_M1156	461106.08	3963683.20	15.8	-450.41	149.809	Unknown origin/not detected by ROV
MEW001_M1157	461184.05	3963747.90	66	-353.02	149.781	Unknown origin
MEW001_M1158	460954.11	3963284.04	38.5	-865.77	149.710	Unknown origin
MEW001_M1159	461696.70	3964603.84	349.3	642.95	149.841	MEW001_T0456/Deadweight with chain debris as detected by ROV
MEW001_M1160	461651.06	3963836.32	30.1	-16.71	149.446	Unknown object as detected by ROV
MEW001_M1162	461606.18	3963770.39	55.8	-96.47	149.445	Unknown origin
MEW001_M1164	460951.88	3963076.58	17.9	-1038.38	149.595	Unknown origin
MEW001_M1165	461218.07	3964022.19	37.1	-107.29	149.908	MEW001_T0440/unknown linear object
MEW001_M1166	461153.48	3964321.82	70.7	103.78	150.130	Unknown origin
MEW001_M1167	460907.83	3963821.7	41.5	-447.78	150.051	Unknown origin/not detected by ROV
MEW001_M1169	461274.39	3963617.87	39.4	-409.49	149.634	Unknown origin/not detected by ROV
MEW001_M1170	461560.58	3964219.22	35.7	248.54	149.736	Unknown origin
MEW001_M1172	461047.33	3963128.52	57.5	-941.67	149.545	Unknown origin
MEW001_M1174	460976.73	3963001.84	31.4	-1086.1	149.532	Unknown origin
MEW001c_M0001	460389.94	3963459.96	6	-1039	150.275	MEW001_T0443
MEW001c_M0002	460595.31	3964380.21	4.2	-163	150.624	Unknown anomaly
MEW001c_M0003	460535.06	3964416.86	5.5	-166	150.695	Unknown anomaly
MEW001c_M0004	460930.08	3965402.72	1.9	/	/	MEW001c_T0004/T0005
MEW001c_M0005	460618.12	3965442.61	16.7	730	151.2	Unknown anomaly
MEW001c_M0006	460272.93	3963959.59	9812.5	-692	150.653	Unknown anomaly
MEW001c_M0007	460364.18	3963488.32	9.9	-1030	150.312	Unknown anomaly
MEW001c_M0008	461120.37	3965163.21	2.8	780	150.632	MEW001c_T0013
MEW001c_M0009	460857.16	3965649.79	8.3	/	/	MEW001c_T0008
MEW001c_M0010	460802.62	3964353.40	3.4	-68	150.438	Unknown anomaly
MEW001c_M0011	461024.69	3964831.36	1.4	452	150.524	MEW001_T0421
MEW001c_M0012	460713.09	3965585.83	6.4	/	/	Unknown anomaly
MEW001c_M0013	460721.29	3965597.30	5.4	/	/	MEW001c_T0015
MEW001c_M0014	461233.79	3965064.18	2.1	762	150.482	MEW001_T0426
MEW001c_M0015	460822.85	3964245.38	6.4	-146	150.36	MEW001c_T0016
MEW001c_M0016	461370.10	3965335.95	6.9	1064	150.523	Unknown anomaly
MEW001c_M0017	461116.73	3965457.01	4	1020.67	150.801	MEW001c_T0017

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6.8.0 ROV Targets List

Table 16 – ROV Targets List

ROV Target ID	Easting (m)	Northing (m)	KP	DCC (m) (+ righth side, - left side)	Description
MEW001_V001	448298.41	4063030.00	41.051	-625.07	Rope
MEW001_V002	453587.51	4049346.44	55.934	-282.47	Unknown object
MEW001_V003	453346.94	4048415.30	56.621	389.71	Barrel/Possible depth charge (*)
MEW001_V004	453600.24	4048502.57	56.672	126.58	Cables
MEW001_V005	467985.36	3978111.76	129.887	-499.96	Tire
MEW001_V006	468013.28	3978133.17	129.867	-528.37	Squared rock
MEW001_V007	468017.48	3978130.02	129.870	-532.49	Squared rock
MEW001_V008	468147.24	3978190.36	129.814	-663.68	Metal debris
MEW001_V009	466970.34	3973777.59	134.242	299.39	Unknown object
MEW001_V010	467761.72	3974088.37	133.869	-464.35	Squared metal debris with rope
MEW001_V011	467774.32	3974096.05	133.860	-476.29	Squared metal debris with rope
MEW001_V012	466622.60	3970046.60	137.989	345.09	Fishing line
MEW001_V013	467273.93	3970011.12	137.972	-306.98	Plastic object
MEW001_V014	467652.76	3970215.53	137.738	-668.09	Brick
MEW001_V015	466807.20	3964842.73	143.148	-262.48	Cylindrical object
MEW001_V016	466827.83	3964794.12	143.188	-289.79	Fishing net
MEW001_V017	466892.71	3964554.36	143.384	-398.77	Cable
MEW001_V018	466891.12	3964546.07	143.392	-399.12	Steel cable
MEW001_V019	467027.22	3964050.84	143.747	-677.65	Tire
MEW001_V020	467057.80	3963912.28	143.837	-758.97	Suspended concretioned cable
MEW001_V021	467107.52	3963733.77	143.944	-878.95	Steel rod
MEW001_V022	467137.21	3963615.37	144.011	-958.81	Concrete and rope
MEW001_V023	466138.46	3964714.30	143.403	372.04	Squid bomb #1
MEW001_V024	466160.00	3964629.36	143.492	329.82	Fishing net
MEW001_V025	466182.71	3964548.68	143.573	285.08	Rope
MEW001_V026	466219.16	3964461.11	143.653	222.87	Cable
MEW001_V027	466262.60	3964315.95	143.782	130.71	Squid bomb #2
MEW001_V028	466285.29	3964234.43	143.851	77.87	Rope
MEW001_V029	466323.69	3964120.60	143.939	-4.88	Cylindrical object
MEW001_V030	466330.85	3964117.26	143.939	-12.78	Cable
MEW001_V031	465381.85	3963300.85	145.235	178.15	Group of cables / ropes
MEW001_V032	465485.77	3963210.58	145.199	44.79	Rope
MEW001_V033	464881.29	3963039.44	145.844	174.89	Fishing rope
MEW001_V034	464376.08	3962873.24	146.410	132.87	Debris
MEW001_V035	464394.36	3962859.59	146.393	116.98	Metal cylinder
MEW001_V036	464415.15	3962837.19	146.375	91.97	Metal box and rope

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ROV Target ID	Easting (m)	Northing (m)	KP	DCC (m) (+ righth side, - left side)	Description
MEW001_V037	464743.75	3962626.77	146.098	-178.65	Fishing rope
MEW001_V038	464922.86	3962497.10	145.974	-352.26	Fishing rope
MEW001_V039	463355.76	3963084.83	147.541	242.42	Cable
MEW001_V040	463227.49	3963081.26	147.672	194.43	Fishing rope
MEW001_V041	463216.02	3963112.98	147.696	219.48	Fishing net
MEW001_V042	463120.48	3963114.49	147.792	182.71	Rope
MEW001_V043	463079.09	3963122.19	147.836	172.09	Fishing net
MEW001_V044	462983.59	3963100.91	147.917	110.32	Fishing net
MEW001_V045	463013.04	3962792.66	147.758	-154.86	Rope
MEW001_V046	463127.74	3962717.16	147.632	-180.98	Fishing net
MEW001_V047	463163.46	3962679.22	147.588	-204.05	Fender
MEW001_V048	463212.78	3962548.31	147.507	-311.77	Fishing net
MEW001_V049	463219.10	3962545.29	147.501	-312.69	Mooring block with rope
MEW001_V050	462316.26	3963072.65	148.466	-272.46	Oil tank and rubber
MEW001_V051	462335.24	3963013.21	148.427	-295.99	Fishing rope
MEW001_V052	462341.25	3962971.93	148.388	-341.56	Fishing rope
MEW001_V053	462419.45	3962613.48	148.139	-594.86	Barrel/Possible depth charge #1 (*)
MEW001_V054	462432.73	3962619.71	148.133	-582.46	Barrel/Possible depth charge #2 (*)
MEW001_V055	462504.95	3962588.32	148.069	-571.15	Tire
MEW001_V056	462464.81	3962614.77	148.109	-569.55	Debris
MEW001_V057	462456.21	3962615.39	148.115	-573.58	Cable
MEW001_V058	462450.40	3962625.65	148.123	-567.98	Barrel/Possible depth charge (*)
MEW001_V059	462188.30	3962790.75	148.412	-577.43	Squared rock
MEW001_V060	462128.88	3962825.82	148.481	-581.96	Barrel/Possible depth charge (*)
MEW001_V061	462040.81	3962882.68	148.586	-584.65	Barrel/Possible depth charge (*)
MEW001_V062	462472.20	3963293.01	148.461	-2.54	Cable
MEW001_V063	462495.81	3963293.43	148.442	11.11	Debris
MEW001_V064	462696.01	3964217.58	148.797	887.28	Rope in boulder area
MEW001_V065	462481.03	3964011.79	148.859	596.11	Boulder and rope
MEW001_V066	462340.76	3963874.31	148.897	403.48	Boulder and rope
MEW001_V067	460950.42	3964356.43	150.317	17.89	Rope
MEW001_V068	460988.00	3964323.04	150.268	11.50	Rope
MEW001_V069	461052.45	3964267.11	150.183	1.64	Rope
MEW001_V070	461466.12	3963987.67	149.684	4.04	Plastic debris
MEW001_V071	461729.90	3963800.90	149.361	-1.52	Debris and fishing line
MEW001_V072	461972.59	3963638.66	149.069	1.29	Metal debris
MEW001_V073	461708.83	3963570.99	149.248	-203.29	Tire
MEW001_V074	461598.07	3963651.31	149.385	-199.39	Cable
MEW001_V075	461129.76	3963966.63	149.950	-202.96	Rope
MEW001_V076	460612.14	3964327.81	150.581	-196.45	Net

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ROV Target ID	Easting (m)	Northing (m)	KP	DCC (m) (+ righth side, - left side)	Description
MEW001_V077	461097.97	3963745.12	149.851	-403.84	Rope and fishing trap
MEW001_V078	461301.63	3963626.96	149.616	-386.62	Mooring block
MEW001_V079	461352.20	3963571.54	149.543	-403.89	Cable
MEW001_V080	461744.54	3963317.01	149.076	-392.93	Boulders
MEW001_V081	461759.99	3963295.61	149.051	-401.90	Tire
MEW001_V082	461837.44	3963257.75	148.965	-389.51	Wooden or plastic barrel
MEW001_V083	461779.77	3963041.44	148.891	-600.68	Metal sheet
MEW001_V084	461650.27	3963120.44	149.043	-608.44	Metal debris
MEW001_V085	461650.37	3963121.03	149.043	-607.89	Metal sheet
MEW001_V086	461520.69	3963214.91	149.203	-603.46	Washing machine
MEW001_V087	460575.85	3963856.29	150.345	-606.36	Semi-buried tire
MEW001_V088	460549.58	3963874.89	150.377	-605.81	Rope
MEW001_V089	460535.43	3963895.52	150.400	-596.75	Net
MEW001_V090	462035.86	3963828.61	149.123	193.85	Debris and rope
MEW001_V091	461924.52	3963915.21	149.264	202.61	Rat guard
MEW001_V092	461922.62	3963914.41	149.265	200.88	Debris
MEW001_V093	461809.96	3963987.70	149.400	197.90	Fishing line
MEW001_V094	461552.39	3964151.92	149.705	188.33	Plastic debris
MEW001_V095	461476.70	3964212.74	149.802	195.90	Fishing net
MEW001_V096	460952.34	3964566.27	150.434	192.29	Rope
MEW001_V097	461028.55	3964707.26	150.451	351.70	Rope
MEW001_V098	461425.59	3964437.78	149.971	352.96	Rope
MEW001_V099	461440.48	3964427.92	149.953	353.21	Metal debris
MEW001_V100	461544.77	3964362.28	149.830	357.78	Fishing net
MEW001_V101	461623.41	3964289.65	149.724	342.13	Cable
MEW001_V102	461763.40	3964211.23	149.564	356.28	Plastic box
MEW001_V103	462094.21	3963979.02	149.160	350.98	Oil tank
MEW001_V104	462097.19	3963975.42	149.156	349.68	Mooring block with rope
MEW001_V105	462199.09	3964198.01	149.197	590.98	Plastic bin
MEW001_V106	461828.56	3964463.71	149.653	601.55	Tire
MEW001_V107	461683.79	3964561.94	149.828	601.07	Chain rings probably connected to T0456 (mooring block)
MEW001_V108	461567.66	3964669.97	149.984	624.82	Debris
MEW001_V109	461389.94	3965008.31	150.322	804.09	Mooring cable
MEW001_V110	461489.93	3964932.68	150.197	797.99	Fishing farm rope
MEW001_V111	461525.02	3964908.99	150.154	798.20	Mooring block with rope
MEW001_V112	461557.64	3964889.09	150.116	800.16	Suspended fish farm rope
MEW001_V113	461588.45	3964866.45	150.078	798.83	Rope
MEW001_V114	461654.36	3964826.46	150.001	802.95	Suspended fish farm rope
MEW001_V115	461744.42	3964763.99	149.891	802.13	Suspended fish farm rope
MEW001_V116	461855.93	3964688.54	149.757	802.67	Mooring cable connected with chain

Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 62/ 63
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ROV Target ID	Easting (m)	Northing (m)	KP	DCC (m) (+ righth side, - left side)	Description
MEW001_V117	462011.56	3964582.30	149.568	802.66	Rope
MEW001_V118	462135.67	3964500.92	149.420	805.41	Suspended rope
MEW001_V119	461365.81	3963823.19	149.674	-188.36	Naval Mine #1 (close to T0479/M1177)
(*) The acquired video does not allow to mark with certainty the object as a barrel or depth charge.					

LIGHTHOUSE GAS		GAS PIPELINE INTERCONNECTION MALTA-ITALY POST SURVEY ASSESSMENT DETERMINATION OF POSITIONS OF UXOS AND CABLES				 MINISTERU GHALL-ENERĠJA U L-IMMANIĠĠJAR TAL-ILMA
Issued G.Sallese	Checked by M.Bernardi	Approved by E.Lozza	Date 13/09/2019	IDP MEW001	File: PSA - UXOs, Cables	Rev. 01 P. 63/ 63

6.9.0 Uxo Survey Report