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**PROGETTO PER LA REALIZZAZIONE DI UN
PARCO EOLICO OFFSHORE DI TIPO FLOATING
NEL CANALE DI SICILIA**

PROGETTO DEFINITIVO

Allegato allo Studio di Impatto Ambientale



**Rapporto sulle indagini a mare
parte 1 di 4**



Progetto della Provincia di TARANTO
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Elaborato da
**ORDINE DEGLI INGEGNERI
della Provincia di TARANTO**
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Parco Eolico Offshore Flottante - Rilievo Geofisico – Rapporto di Fattibilità - WP2

Rapporto di Fattibilità -WP2 |Offshore Canale di Sicilia, Italia

F181713-07 00 | 17 December 2021

Finale

7 Seas Med

7 SEAS
— MED —

Controllo Documento

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Cliente

| | |
|----------------------|--------------------------------------|
| Cliente | 7 Seas Med |
| Indirizzo cliente | Via Plinio 127 74121 Taranto, Italia |
| Contatto del cliente | John Francis Cudden |

Revisioni

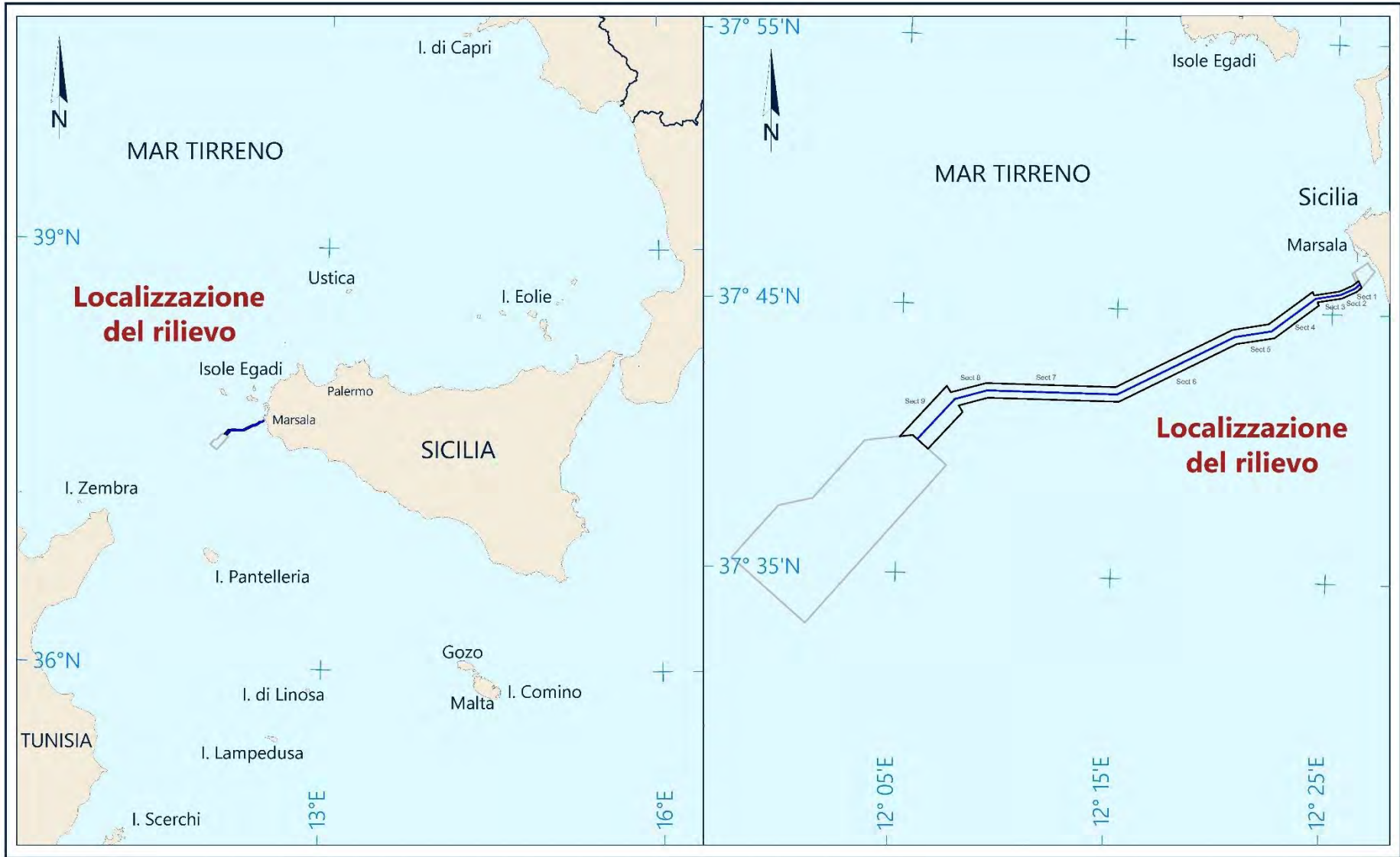
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Abbreviazioni e glossario

| | |
|--------------|--|
| DGPS | Differential Global Positioning System (Sistema di Posizionamento Differenziale Globale) |
| DTM | Digital terrain model (Modello Digitale del Terreno) |
| ECC | Export Cable Corridor |
| FISPA | Fugro Italy SPA |
| HDD | Horizontal Directional Drilling (Perforazione Direzionale e Orizzontale) |
| HSE | Health, Safety and Environment (Salute, Sicurezza e Ambiente) |
| km | Kilometres (Kilometri) |
| LAT | Lowest Astronomical Tide (Marea Astronomica Più Bassa) |
| m | Meters (Metri) |
| m/s | Meters per Second (Metri al Secondo) |
| MBES | Multibeam Echo Sounder (Ecoscandaglio multifascio) |
| MSL | Mean Sea Level (Livello Medio del Mare) |
| MV | Motor Vessel (Motonave) |
| PEP | Project execution plan (Piano di esecuzione del progetto) |
| QC | Quality Control (Controllo di Qualità) |
| ROV | Remote Operated Vehicle (Veicolo a Comando Remoto) |
| s | Seconds (Secondi) |
| SBP | Sub-bottom Profiler |

| | |
|--------------|---|
| SOW | Scope of Work (Scopo del Lavoro) |
| SSS | Side Scan Sonar |
| UHR | Ultra-High Resolution |
| UTC | Coordinated Universal Time |
| UTM | Universal Transverse Mercator |
| WD | Water Depth (Profondità del fondale marino) |
| WGS84 | World Geodetic System 1984 |

1. INTRODUZIONE E SCOPO DEL LAVORO

1.1 Generale

7 Seas Med in collaborazione con Copenhagen Offshore Partners (COP) Danimarca e iLStudio Italia, stanno pianificando lo sviluppo del progetto del sito del Parco Eolico Offshore Flottante di 7 Seas Med (FOWF), al largo della Sicilia, Italia.

Fatte salve le necessarie approvazioni, gli sviluppatori stanno conducendo rilievi geofisici integrandoli con studi ambientali per determinare la morfologia del fondale marino, gli elementi caratteristici del fondale, i processi geologici, i rischi geologici ai fini di una migliore progettazione del parco eolico offshore pianificato.

Queste indagini aumenteranno la comprensione del sito da parte di 7 Seas Med e saranno confrontati con i dati geofisici precedentemente raccolti nella stessa area. Gli obiettivi del rilievo sono quelli di collezionare dati geofisici e batimetrici per determinare la batimetria, le caratteristiche del fondale marino e la geologia che aiuteranno nello sviluppo di un modello di sottosuolo e per implementare gli studi di progettazione e installazione per le fondamenta e i cavi.

7 Seas Med intende sviluppare un parco eolico offshore flottante al largo della costa occidentale della Sicilia, Italia: Progetto Parco Eolico Offshore Flottante di 7 Seas Med (FOWF). Il progetto è in fase di sviluppo; l'obiettivo finale di 7 Seas Med è quello di installare turbine eoliche per una capacità totale del sito di circa 250 MW.

Il Sito del Parco Eolico copre approssimativamente 81 km²(Sito Principale offshore) e comprende un Export Cable Corridor (EC Corridor) lungo 34 km e ampio da circa 500 a 1000 m che corre dal Sito del Parco Eolico verso l'Approdo di Marsala (Figura 1.1). Le profondità massime del fondale marino nel sito variano da circa 100 a circa 360 m riferita alla Marea Astronomica più bassa (LAT). Il Progetto 7 Seas Med beneficia di dati geofisici acquisiti durante un rilievo condotto precedentemente nell'area del Sito Principale e di ECC.

Per chiarezza, due aree sono state identificate come due differenti Work Packages (WP):

- WP1: è l'Area Sottocosta che include la parte meno profonda dell'ECC da 3m a 10m di profondità del fondale marino (corridoio da 1.5 km x 760 a 1200 m)
- WP2: è l'Area Offshore più profonda che include il Sito Principale e la sezione offshore ECC - > 10m di profondità del fondale marino (corridoio da 32 km x 500 a 1000 m).

Il rilievo geofisico WP2 è stato effettuato utilizzando la nave SHARK 1 equipaggiata con DGPS, MBES, SSS, SBP, MAG, UHR, Osservatori ROV e la strumentazione per i campionamenti del sedimento marino. A causa dello spazio limitato a bordo, le attività sono state condotte in due fasi separate:

- Fase 2a (DGPS, MBES, SSS, SBP, MAG, UHR)

- Fase 2b e 2c (DGPS, USBL, ROV, Campionamento di Sedimento: Carotaggio a gravità e Benna)

Il rilievo è stato eseguito dal 14 Aprile al 01 Luglio 2021, lavorando sulle 24 ore.

Il presente documento fornisce la descrizione dei risultati preliminari ottenuti dal rilievo geofisico offshore nel sito di Marsala o Work Package 2 (WP2), Rilievo Offshore (ECC e Sito Principale) condotto dalla nave di indagine MV SHARK 1.

1.2 Scopo Del Lavoro

I dati geofisici e batimetrici sono stati acquisiti per raggiungere i seguenti obiettivi:

- Definire accuratamente la batimetria nel sito principale e nell'ECC.
- Localizzare e identificare elementi morfo-batimetrici, come sand waves, frane, emissioni di gas e altre lineamenti geologici.
- Localizzare e identificare elementi antropici, come detriti e relitti, per evitarli in futuro.
- Localizzare e identificare la presenza di cavi sottomarini che incrociano il sito.
- Localizzare e identificare i danni provocanti dall'uomo, come l'impatto della pesca a strascico sul fondale marino.
- Localizzare e identificare aree significative dal punto di vista archeologico e ambientale, compresi gli habitat Coralligeni e di Posidonia previsti nell'area del rilievo.
- Collezionare dati sub-bottom di alta qualità, in grado di identificare i top del basamento, ove possibile.
- Eliminare i rischi durante la perforazione direzionale e orizzontale (HDD) per creare il percorso del cavo d'esportazione nell'area sottocosta.
- Individuare accuratamente qualsiasi infrastruttura pre-esistente, come i cavi.

1.3 Area del Rilievo -ECC e SITO PRINCIPALE

L'area del rilievo pianificata è stata soggetta a una serie di modifiche da parte del Cliente, prima di iniziare il rilievo e durante l'acquisizione dei dati geofisici. La revisione finale acquisita durante il rilievo è la revisione 11.

L'area ECC finale è lunga circa 33.5 km e comprende nove (9) settori:

- Settori da 1 a 3: sono ampi approssimativamente 500 m e lunghi 3.25 km, e si estendono dall'area del WP1 (circa 10 m) fino a circa 33 m LAT.
- Settori da 4 a 6: sono ampi approssimativamente 1000 m e lunghi 15.269 km, e si estendono da circa 33 m a circa 220 LAT.

- Settori da 7 a 8: sono ampi approssimativamente 1000 m e lunghi 11.2 km, e si estendono da circa 220 a circa 245 m LAT.
- Settore 9: è ampio approssimativamente 2000 m e lungo 3.7 km, e si estende da circa 245 m a circa 230 m LAT nel Sito Principale.

Il Sito Principale (Figura 1.3) si estende da ECC per 15 km offshore ed è orientato in direzione NE-SO. È limitato dalle seguenti coordinate:

Tabella 1.1: Coordinate dei Vertici dell'Area ECC fornite dal Cliente.

| | Vertice | Latitudine N | Longitudine E | Est [m] | Nord [m] |
|-----|---------------|---------------|---------------|-----------|-----------|
| ECC | A | 37° 40' 02.1" | 12° 05' 01.2" | 242772.9 | 4172898.2 |
| | B | 37° 40' 06.0" | 12° 05' 37.3" | 243660.6 | 4172990.5 |
| | C | 37° 39' 36.4" | 12° 06' 21.4" | 244713.8 | 4172045.3 |
| | D | 37° 41' 00.6" | 12° 07' 54.6" | 247077.5 | 4174571.7 |
| | E | 37° 41' 14.9" | 12° 07' 43.2" | 246811.4 | 4175019.1 |
| | F | 37° 41' 33.6" | 12° 09' 03.9" | 248805.9 | 4175537.7 |
| | G | 37° 41' 33.6" | 12° 15' 10.2" | 257779.1 | 4175267.7 |
| | H | 37° 43' 49.4" | 12° 20' 35.4" | 265864.1 | 4179224.0 |
| | I | 37° 44' 04.6" | 12° 22' 20.2" | 268442.3 | 4179622.0 |
| | J | 37° 45' 19.9" | 12° 24' 21.4" | 271475.8 | 4181860.7 |
| | K | 37° 45' 27.1" | 12° 24' 17.1" | 271375.1 | 4182083.3 |
| | L | 37° 45' 36.9" | 12° 25' 24.8" | 273041.8 | 4182341.7 |
| | M | 37° 45' 52.7" | 12° 26' 06.2" | 274067.0 | 4182798.8 |
| | N | 37° 46' 01.9" | 12° 26' 19.8" | 274408.5 | 4183075.3 |
| | O | 37° 46' 17.0" | 12° 26' 10.6" | 274196.4 | 4183546.9 |
| | P | 37° 46' 06.4" | 12° 25' 54.9" | 273803.4 | 4183228.7 |
| | Q | 37° 45' 52.5" | 12° 25' 18.5" | 272899.1 | 4182825.6 |
| | R | 37° 45' 42.2" | 12° 24' 07.8" | 271161.2 | 4182555.9 |
| | S | 37° 45' 49.8" | 12° 24' 03.2" | 271054.2 | 4182792.4 |
| | T | 37° 44' 35.1" | 12° 22' 02.9" | 268046.5 | 4180572.8 |
| U | 37° 44' 20.4" | 12° 20' 21.9" | 265561.2 | 4180189.1 | |
| V | 37° 42' 06.0" | 12° 15' 00.1" | 257561.7 | 4176274.7 | |
| W | 37° 42' 06.1" | 12° 08' 58.0" | 248692.8 | 4176541.6 | |
| X | 37° 41' 43.3" | 12° 07' 20.4" | 246279.2 | 4175914.0 | |
| Y | 37° 41' 57.6" | 12° 07' 09.0" | 246013.1 | 4176361.4 | |

Tabella 1.2: Coordinate dei Vertici dell'Area del Sito Principale Fornite dal Cliente.

| | Vertice | Latitudine N | Longitudine E | Est [m] | Nord [m] |
|-----------------|---------|---------------|---------------|-----------|-------------|
| Sito Principale | 1 | 37° 35' 21.3" | 11° 57' 22.3" | 231 244.7 | 4 164 601.0 |
| | 2 | 37° 37' 20.8" | 11° 59' 28.8" | 234 467.9 | 4 168 184.9 |
| | 3 | 37° 37' 39.3" | 12° 01' 03.7" | 236 813.8 | 4 168 680.9 |
| | 4 | 37° 39' 50.6" | 12° 03' 22.9" | 240 352.5 | 4 172 620.8 |
| | 5 | 37° 39' 52.5" | 12° 03' 32.6" | 240 591.2 | 4 172 671.3 |
| | 6 | 37° 40' 06.0" | 12° 05' 37.3" | 243 660.6 | 4 172 990.5 |
| | 7 | 37° 39' 01.2" | 12° 07' 13.9" | 245 967.2 | 4 170 920.4 |
| | 8 | 37° 33' 01.3" | 12° 00' 52.8" | 236 272.5 | 4 160 118.3 |

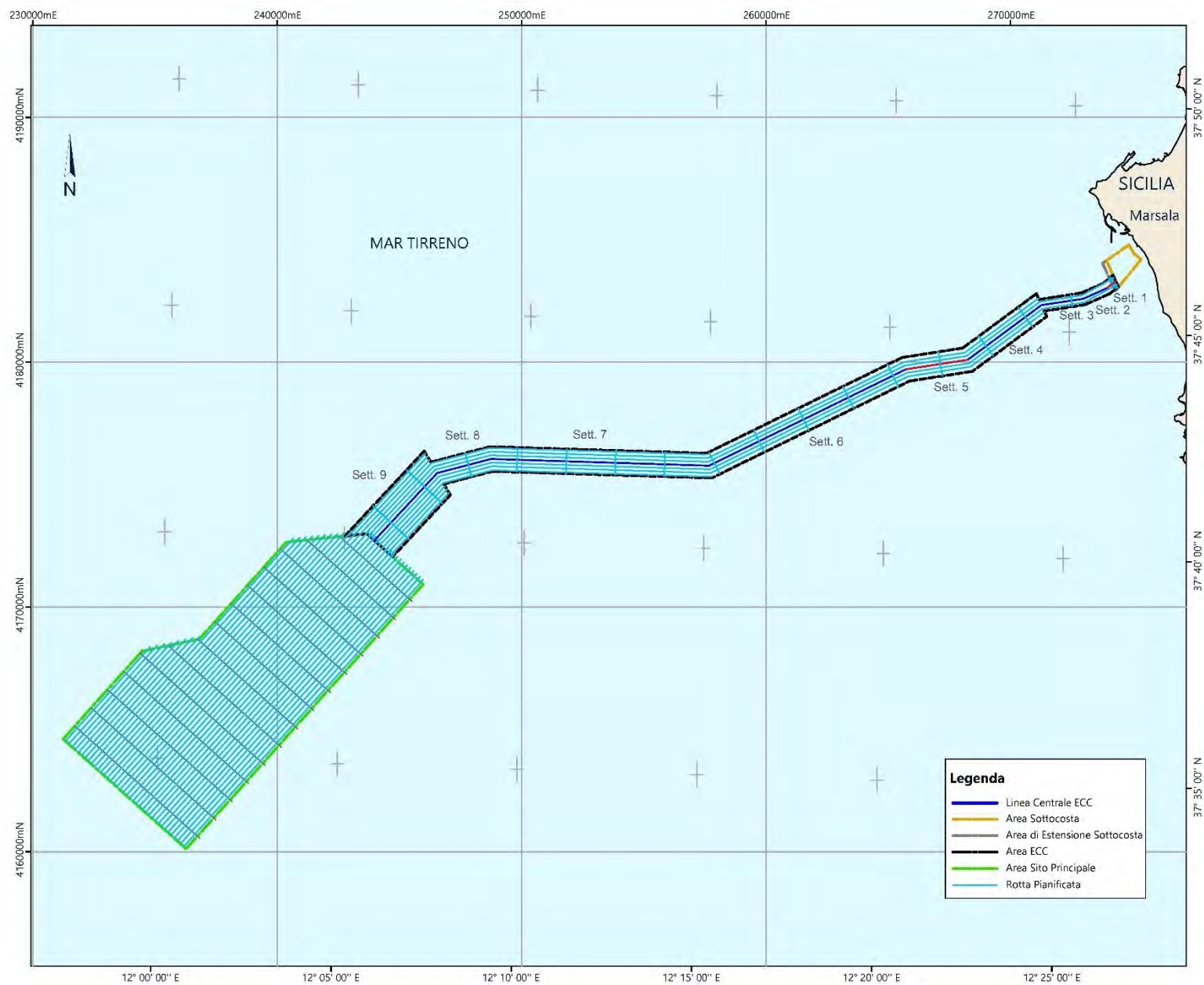


Figura 1.1: Localizzazione del Progetto (7SeasMed_lineplan_rev11).

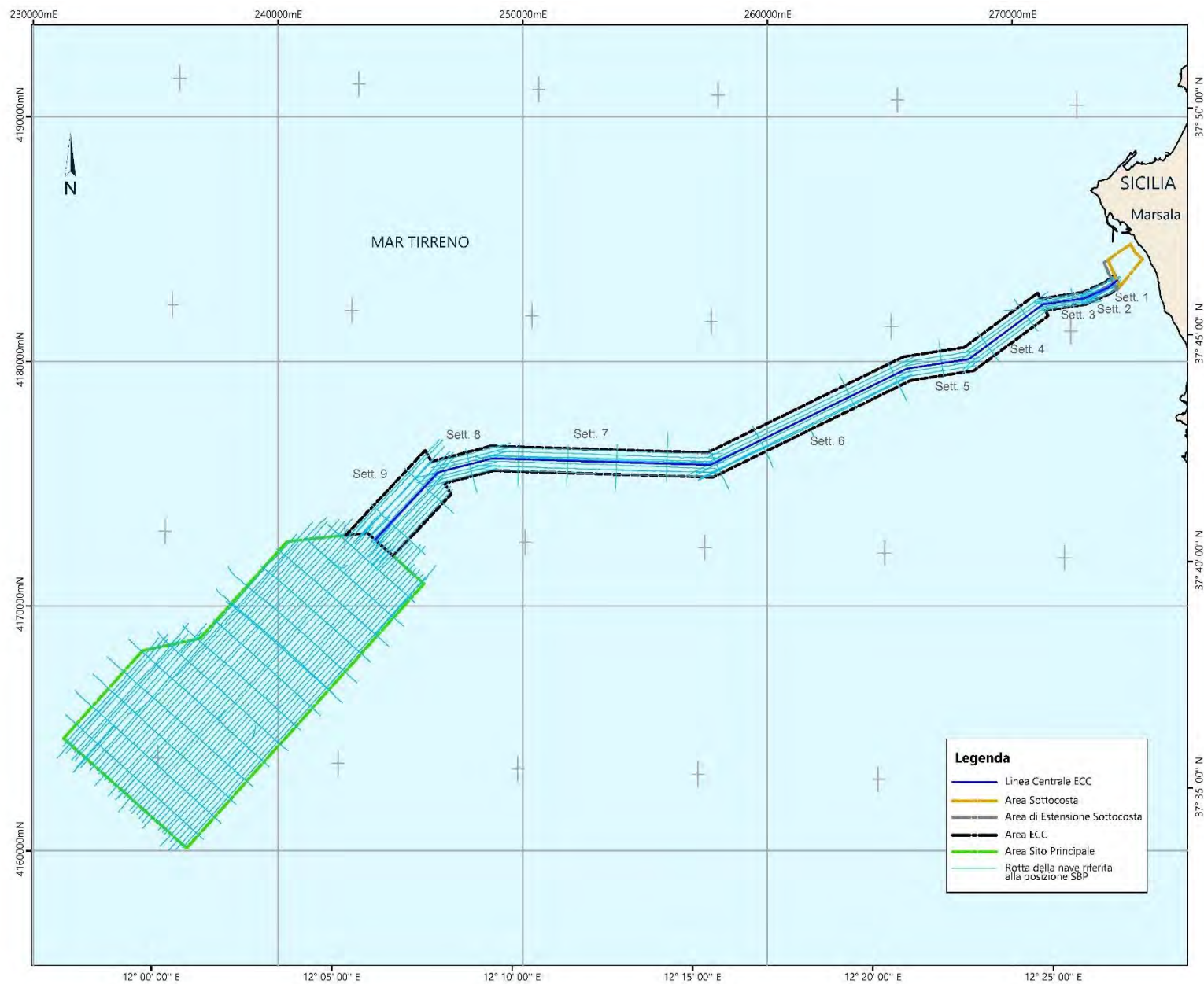


Figura 1.2: Localizzazione del Progetto (Grid del rilievo riferito alla posizione del SBP – SSS).

1.4 Convenzione dei Nomi

La convenzione dei nomi delle linee usata durante il progetto è la seguente:

REGOLE PRINCIPALI

Radice del nome del file: **H21** (progetto 7 Seas Med)

Area: **E-** (ECC); **S-** (sito)

Equipaggiamento: **U** (UHR + analogico); **A** (analogico); **R** (ROV)

Numerazione: dispari per le linee principali; anche per le linee trasversali – per ECC la linea centrale è la numero 01

Suffisso:

- Se la linea viene interrotta e poi ripresa, a causa sia di problemi all'equipaggiamento sia di problemi alla rotta, aggiungere _1, _2; _3, ...
- In caso di ripetizione aggiungere A, B, C, ...

NOMI DELLE LINEE

Sito Principale

H21S-U01; H21S-U03; H21S-U05; ...; H21S-U75 -> linee principali lungo la rotta

H21S-U02, H21S-U04, ..., H21S-U28 -> linee trasversali

ECC

H21E-U01 -> linea centrale

H21E-A03, H21E-A05, H21E-A07, ..., H21E-A33 -> linee principali lungo la rotta

H21E-A02, H21E-A04, ..., H21E-A30 -> linee trasversali

LINEE DI RIEMPIMENTO NON IN PROGETTO

Radice del nome del file: **H21** (progetto 7 Seas Med)

Area: **E-** (ECC); **S-** (sito)

Riempimento: **I**

Equipaggiamento: **F** (UHR+ analogico), **U** (UHR); **A** (analogico), **M** (MBES), **S** (SSS+SBP), **G**(MAG), **B**(SSS+SBP+MAG)

Numerazione: da 001 (numerazione continua)

Esempi:

H21E-IM001 -> linee multibeam di riempimento nel settore ECC

H21E-IA002 -> linee MBES+SSS+SBP+MAG di riempimento nel settore ECC

NOMI CONTATTI

Radice del nome del file: **H21** (progetto 7 Seas Med)

Area: **E-** (ECC); **S-** (sito)

Data: **SC** (contatti sonar), **MG** (contatti maggy), **BC** (contatti sub-bottom)

Numerazione: da 001 (numerazione continua)

Esempi:

H21E-MG001 -> contatti maggy nel settore corridoio

H21S-SC001 -> contatti sonar nel Sito Principale

LAVORO EXTRA

Radice del nome del file: **H21** (progetto 7 Seas Med)

Area: **X-** (Lavoro Extra)

Equipaggiamento: **F** (UHR+ analogico), **U** (UHR); **A** (analogico), **M** (MBES), **S** (SSS+SBP), **G**(MAG), **B**(SSS+SBP+MAG)

Numerazione: da 01 (numerazione continua)

Suffisso:

- Se la linea viene interrotta e poi ripresa, a causa sia di problemi all'equipaggiamento sia di problemi alla rotta, aggiungere _1, _2; _3, ...

- In caso di ripetizione aggiungere A, B, C, ...

Esempio: H21X-M01 -> rilievo multibeam nell'area del Lavoro Extra

1.5 Fase 2a: Rilievo Geofisico – Programma del Rilievo

1.5.1 ECC

L'area ECC è caratterizzata come segue:

- Settori 1 e 2: Linee Principali lungo la rotta, orientate in direzione SO-NE con una spaziatura di 150 m; quattro linee di riempimento sono state acquisite con una spaziatura di 150 m;
- Settore 3: Linee Principali lungo la rotta, orientate in direzione OSO-ENE con una spaziatura di 75 m;
- Settori da 4 a 9: Linee Principali lungo la rotta, con un'orientazione variabile e una spaziatura di 150 m;
- Linee trasversali, orientate NO-SE e con una spaziatura di 2000 m.

Massima copertura di acquisizione (dati digitali e analogici). Per l'equipaggiamento sono stati utilizzati i seguenti parametri:

Settore tra WP1 e 100 m LAT:

Side scan sonar:

- HF - 415KHz, ping rate: 3.4 Hz, range 75 m;
- LF - 125KHz, ping rate: 3.4 Hz, range 75 m.

Sub-bottom profiler:

- Lunghezza Registrazione Sismica: 0.125 ms;
- Pulse: 8KHz / 20 ms;
- Potenza: 60% (acque poco profonde) – 80%;
- Ping Rate: 3.4 Hz;
- Shots: ~ 0.53cm spacing.

UHR:

- Inline offset: 0 m;
- Lateral offset: 4.66 m;
- Lunghezza Registrazione Sismica: 500 ms;
- Potenza dello Sparker: 600 J;

- intervallo di campionamento: 0.25 ms.

Settore tra 100 m LAT e il Sito Principale:

Side scan sonar:

- HF - 415KHz, ping rate: 3.4 Hz, range 100 m;
- LF - 125KHz, ping rate: 3.4 Hz, range 200 m.

Sub-bottom profiler:

- Lunghezza Registrazione Sismica: 0.125 ms;
- Pulse: 8KHz / 20 ms;
- Potenza: 60% (acque poco profonde) – 80%;
- Ping Rate: 3.4 Hz;
- Shots: ~ 0.53cm spacing.

UHR:

- Inline offset: 25 m;
- Lateral offset: 4.66 m;
- Lunghezza Registrazione Sismica: 800 ms;
- Potenza dello Sparker: 600 J;
- intervallo di campionamento: 0.25 ms.

- Linee trasversali, spaziatura di 2000 m, lungo l'intero corridoio. Per queste linee è stata richiesta la massima copertura di acquisizione.

1.5.2 Area Sito Principale

L'Area del Sito Principale è caratterizzato come segue:

- Linee Principali lungo la rotta orientate in direzione NE-SO con una spaziatura di 175 m;
- Linee trasversali, orientate in direzione NO-SE con una spaziatura di 1000 m.

È stata richiesta la massima copertura di acquisizione, sia per le linee principali lungo la rotta sia per le linee trasversali, considerando i seguenti parametri di acquisizione:

Side scan sonar:

- HF - 415KHz, ping rate: 3.4 Hz, range 100 m;
- LF - 125KHz, ping rate: 3.4 Hz, range 200 m.

Sub-bottom profiler:

- Lunghezza Registrazione Sismica: 0.125 ms;
- Pulse: 8KHz / 20 ms;
- Potenza: 80%;
- Ping Rate: 3.4 Hz;
- Shots: ~ 0.53cm spacing.

UHR:

- Inline offset: 25 m;
- Lateral offset: 4.66 m;
- Lunghezza Registrazione Sismica: 800 ms;
- Potenza dello Sparker: 600 J;
- intervallo di campionamento: 0.25 ms.

1.5.3 Lavoro Extra

Il 5 Maggio 2021, il Cliente ha richiesto Quattro (4) linee di lavoro extra da acquisire tramite multibeam echo-sounder (MBES).

- Una (1) linea è localizzata tra 40 m e 170 m LAT, a sud di ECC; Due (2) linee extra sono localizzate tra 230 m LAT e il Sito Principale, a nord di ECC; Una (1) linea extra è localizzata tra 215 m LAT e il Sito Principale, a sud di ECC.

Il 7 Maggio 2021, il Cliente ha richiesto una (1) linea di lavoro extra da acquisire tramite multibeam echo-sounder ed è localizzata tra 220 m LAT e il Sito Principale, a sud di ECC.

Il 26 maggio, il Cliente ha richiesto il line plan rev 8 + due (2) linee aggiuntive lungo ECC (18.065 km) da acquisire con il MBES. I dati MBES hanno lo scopo di fornire una copertura aggiuntiva al fine di ridurre al minimo l'attraversamento della zona a maggiore pendenza del fondale situato lungo ECC.

1.6 Sommario delle Linee Acquisite Durante il Rilievo

Nella Tabella di seguito è mostrata la comparazione tra numero di linee per ogni settore, i km pianificati, la spaziatura e l'equipaggiamento usato.

Tabella 1.3: Sommario del Rilievo Pianificato.

| Rilievo Geofisico | Kilometri | Cumulativi | |
|--|-------------|---------------|----------|
| | Pianificati | Totali | Completi |
| | [km] | [km] | % |
| FOWF Sito Principale: grid linee 175m x 1 km | | | |
| FOWF- Linee Principali: 38 @ 175m | 473.390 | 473.39 | 100.0 |
| FOWF- Linee Trasversali: 14 @ 1 km | 81.947 | 81.95 | 100.0 |
| FOWF- Linee di Riempimento: 3x lunghezza variabile | 7.546 | 7.55 | 100.0 |
| Corridoio ECC (MBES, SSS, SBP, UHR, MAG) | | | |
| ECC- Linea Centrale ECC: Massima copertura | 32.679 | 32.68 | 100.0 |
| ECC- Linea Centrale RIVISTA: Massima copertura | 30.241 | 30.24 | 100.0 |
| ECC- Linee Centrali: 42 @150m di spaziatura. Massima copertura | 181.145 | 181.15 | 100.0 |
| ECC-Linee Trasversali: 2x2,0 Km + 13x1,0Km +1x0,5Km @2000m di spaziatura | 17.496 | 17.50 | 100.0 |
| ECC- Linee di Riempimento a profondità di 50-25m: 4 @150m di spaziatura. SSS/SBP/MAG | 13.019 | 13.01 | 100.0 |
| ECC- Linee Parallele alla linea di costa: 2 @25m di spaziatura. NO UHR | 1.042 | 1.04 | 100.0 |
| ECC- Linee Extra solo MBES | 69.368 | 69.37 | 100.0 |
| ECC- Linee MBES di Riempimento | 35.085 | 35.09 | 100.0 |
| Ubicazione del GRID | | | |
| Linee NO-SE: 6x500m @ 50m di spaziatura. Massima Copertura | 3.000 | 3.00 | 100.0 |
| Linee NE-SO: 9x500m @ 50m di spaziatura. Massima Copertura | 4.500 | 4.50 | 100.0 |
| Transetti ROV | | | |
| Priorità 1 (No. di transetti) | 21.000 | 22.00 | 104.8 |
| Priorità 2 (No. di transetti) | 11.000 | 0.00 | 100.0 |
| Ulteriori Indagini MBES + MAG | | | |
| Cancellate dal programma del rilievo | | | |
| TOTALE Km | 950.458 | 950.47 | 100.000 |
| TOTALE ROV transetti | 32.000 | 22.000 | 68.800 |

1.7 Fase 2b: Rilievo di Ispezione Visiva Rov

Il rilievo di ispezione visive ROV è stata pianificata su 23 siti indicati da 7 Seas Med in base ai risultati geofisici preliminari (rappresentativi dell'intervallo batimetrico, dell'estensione di eventuali danni antropici, delle specie e di altre aree di interesse), per una durata di 57,88 ore. Il transetto n°9 è stato interrotto a causa di corrente forte. L'elenco dei transetti ROV ispezionati durante il rilievo geofisico è riportato di seguito.

Tabella 1.4: Coordinate dei Transetti delle Ispezioni Visive Effettuate durante il Rilievo

| Immersione # | Nome Transetto | SOL (E) | SOL (N) | EOL (E) | EOL (N) | Lunghezza (m) | Criteri / Commenti |
|--------------|----------------|----------|-----------|----------|-----------|---------------|---|
| 3 | H21E_00_T06 | 273671.9 | 4182926.6 | 273723.3 | 4182902.0 | 57 | Ambientale. sopra Posidonia, e passaggio da Posidonia ad aree sabbiose |
| 2 | H21E_00_T07 | 272746.5 | 4182769.4 | 272772.5 | 4182726.8 | 50 | |
| | H21E_00_T08 | 272026.9 | 4182491.6 | 272056.1 | 4182417.0 | 80 | |
| | H21E_00_T09 | 271175.8 | 4182362.9 | 271173.9 | 4182358.1 | 49 | |
| 4 | H21E_00_T10 | 270489.3 | 4181929.0 | 270515.0 | 4181872.7 | 62 | |
| 16 | H21E_01_T01 | 244907.6 | 4173790.7 | 244969.0 | 4173838.5 | 78 | Geomorfologico/Ambientale Possibili pockmarks |
| 6 | H21E_06_T03 | 265957.7 | 4179646.8 | 266309.3 | 4179744.7 | 365 | Passaggio lungo il pendio, incrocio di un lieve cambiamento di rifettività |
| 5 | H21E_06_T04 | 267095.5 | 4179584.2 | 267298.0 | 4179676.9 | 223 | Sub-affioramento/sedimento grossolano |
| 7 | H21E_07_T01 | 258216.4 | 4175903.3 | 258191.3 | 4175828.6 | 79 | Geomorfologico/Ambientale Possibili pockmarks |
| 8 | H21E_10_T01 | 252219.3 | 4176074.3 | 252396.8 | 4176072.3 | 178 | Geomorfologico/Passaggio sopra possibile sedimento rielaborato. Due anomalie maggy #51&52 |
| 19 | H21E_11_T01 | 255429.8 | 4166733.9 | 255414.5 | 4166994.9 | 262 | Geomorfologico/Tra nsetto oltre il grid del rilievo |
| 15 | H21S_04_T01 | 243285.7 | 4172437.2 | 243209.6 | 4172412.0 | 80 | Archeologico/Ambientale Relitto sommerso. |
| | H21S_04_T02 | 243222.1 | 4172239.2 | 243441.8 | 4172371.8 | 257 | Archeologico/Ambientale Detrito |
| | H21S_04_T03 | 242843.0 | 4172400.1 | 242961.4 | 4172458.9 | 133 | Archeologico/Ambientale Detrito, Anomalie magnetiche. Relitto sommerso. |
| 17 | H21S_05_T01 | 244200.3 | 4171447.3 | 244112.8 | 4171271.5 | 196 | Geomorfologico/Ambientale Possibili Pockmarks |
| | H21S_05_T02 | 244153.8 | 4171046.2 | 244250.9 | 4170944.8 | 140 | |
| 13 | H21S_06_T01 | 238890.1 | 4167115.3 | 238767.6 | 4167345.6 | 260 | Geomorfologico/Ambientale Possibili Pockmarks all'interno dell'area proposta di 200m |
| 18 | H21S_09_T01 | 243113.8 | 4168454.1 | 242844.0 | 4168180.8 | 384 | Geomorfologico |

| Immersione # | Nome Transetto | SOL (E) | SOL (N) | EOL (E) | EOL (N) | Lunghezza (m) | Criteri / Commenti |
|--------------|----------------|----------|-----------|----------|-----------|---------------|--|
| | | | | | | | Area di interesse geologico, affioramento d/t presenza di faglie |
| 19 | H21S_11_T01 | 238616.4 | 4165711.7 | 238474.9 | 4165730.4 | 143 | Archeologico/ Ambientale Anomalie magnetiche con target sul SSS e MBES (possibile detrito) |
| 12 | H21S_12_T01 | 235617.3 | 4165172.4 | 235836.2 | 4165168.0 | 219 | Geomorfologico/Ambientale Area di interesse geologico, affioramento/depressione d/t presenza di faglie |
| 14 | H21S_13_T01 | 238703.0 | 4167913.6 | 238838.4 | 4168068.8 | 207 | Geomorfologico/Ambientale Possibili Pockmarks |
| 10 | H21S_14_T01 | 238456.7 | 4163300.0 | 238543.5 | 4163103.5 | 215 | Geomorfologico/Ambientale |
| 9 | - | - | - | - | - | - | Attività interrotta per corrente forte |

1.8 Fase 2c: Grid di Campionamento

In accordo con il DM 1996 (Decreto Ministeriale 1996), durante il rilievo offshore sono stati prelevati 5 campioni con carotaggio a gravità e 5 campioni con benna Van Veen, per ulteriori analisi di laboratorio (analisi geotecniche e ambientali/chimiche).

4 stazioni (2 campioni) x Benthos (1km – 5.6 km dalla costa) benna Van Veen

4 stazioni (1 campione) x Chimica (1km – 5.6 km dalla costa) benna Van Veen

5 stazioni (1 campione) x Geotecnica – carotaggio a gravità

Per maggiori dettagli in merito al Rilievo di Campionamento si veda F181713-05 00 Rapporto delle Operazioni WP2 (Appendice A – Rapporto di campo - Caratterizzazione Ambientale e Geotecnica dei sedimenti marini).

Tabella 1.5: Rilievo Geotecnico e Ambientale

| Campione | Tentativo | SOL (E) | SOL (N) | Lunghezza (m) | Profondità del fondale marino (m) |
|---------------|-----------|----------|-----------|---------------|-----------------------------------|
| HAN21S_06-GC | 3 | 258062.9 | 4175965.0 | 2.05 | 210 |
| HAN21S_07-GC | 1 | 248602.2 | 4175995.5 | 1.2 | 230 |
| | 2 | 248612.1 | 4175994.4 | 2.85 | |
| HAN21S_08-GC | 1 | 239733.4 | 4170984.3 | 2.0 | 280 |
| | | 239733.5 | 4170984.3 | 2.4 | |
| HAN21S_09-GC | 1 | 238389.2 | 4163453.6 | 0.6 | 118 |
| HAN21S_05-GC | 1 | 267639.9 | 4180000.6 | 3.5 | 118 |
| HAN21EC_01-GS | | 273479.9 | 4182852.3 | buona | 18 |
| HAN21EC_02-GS | | 272747.9 | 4182591.9 | buona | 28 |
| HAN21EC_03-GS | | 271963.8 | 4182482.6 | buona | 29 |
| HAN21EC_05-GS | | 271799.1 | 4182645.3 | buona | 30 |
| HAN21EC_04-GS | | 271132.9 | 4182400.8 | buona | 33 |

Note: Le coordinate dei campionamenti con benna sono solo indicative, mentre per ogni stazione sono stati effettuati più tentativi per recuperare la quantità di sedimento richiesta da Specs.

1.9 Documentazione di Riferimento

La Tabella qui di seguito elenca la documentazione di riferimento per questo rapporto.

Tabella 1.6: Documentazione di Riferimento

| No. | Nome Documento | Documento ID | Revisione |
|-----|----------------|--|-----------|
| 1 | SOW | App 2 - Scope of Services - Geophys (260221v7F) COP 260221 | 01 |
| 2 | PEP | F181713_PEP_Rev.1 | 01 |
| 3 | Schedule | F181713_schedule_Rev.15 | 15 |

1.10 Scopo del Documento

Questo Report fornisce la descrizione dei risultati preliminari ottenuti dal rilievo geofisico offshore nel sito di Marsala o Work Package 2 (WP2), Rilievo Offshore (ECC e Sito Principale) condotto dalla nave di indagine MV SHARK 1.

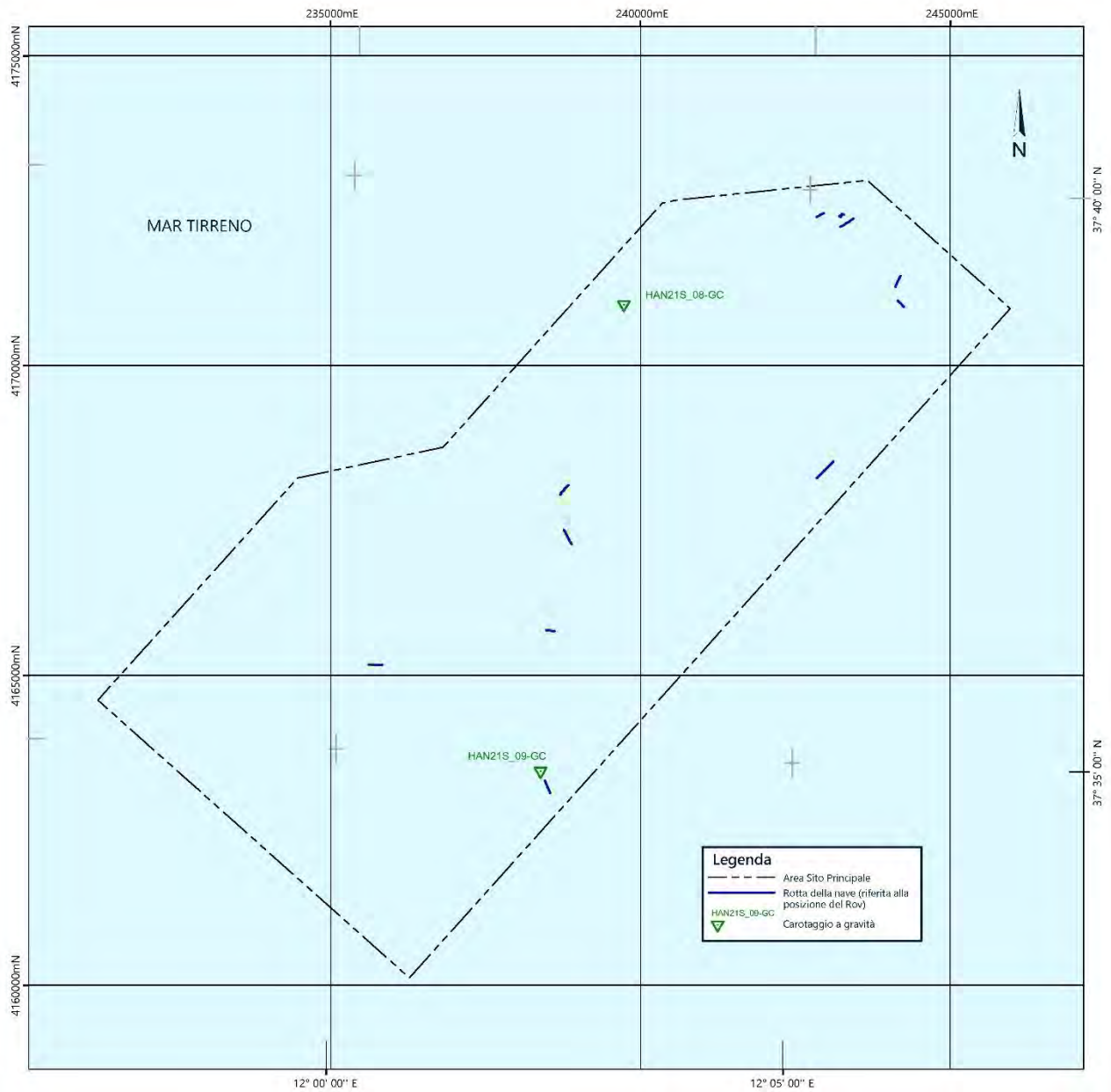


Figura 1.3: Ubicazione dei transetti ROV e dei campionamenti: Area Sito Principale

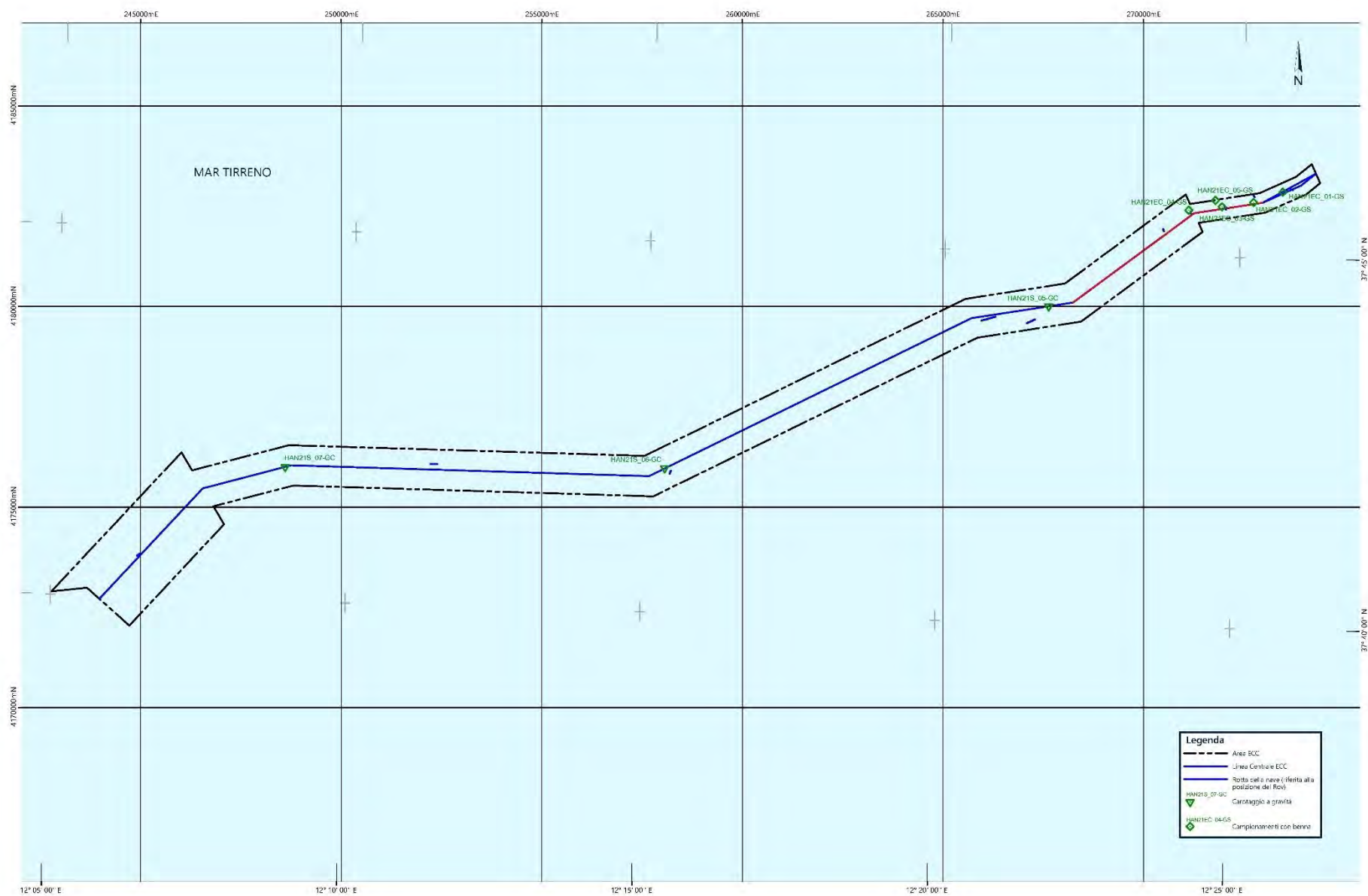


Figura 1.4: Ubicazione dei transetti ROV e dei campionamenti: ECC

1.11 Parametri Geodetici e Parametri di Proiezione

La Tabella 1.7: Parametri geodetici del progetto contiene le informazioni geodetiche e cartografiche del rilievo.

Tabella 1.7: Parametri geodetici del progetto

| Item | Valore | |
|--|---|--------------------|
| Coordinate Geografiche del Progetto (GEOGCS) | RDN2008 | |
| Sistema di Coordinate del Progetto (PROJCS) | RDN2008 / UTM zona 33N | |
| EPSG Code | 7792 | |
| Ellissoide | GRS 1980 | |
| | Asse semi-maggiore (a) | 6378137,0000 m |
| | Asse semi-minore (b) | 6356752,3141 m |
| | Schiacciamento reciproco (1/f) | 298.257222101 |
| | Eccentricità (e) | 0.0818191910428158 |
| Metodo di Conversione | Transverse Mercator | |
| | Latitudine di Origine | 0° |
| | Longitudine di Origine | 15° |
| | False Easting di Origine | 500000 |
| | False Northing di Origine | 0 |
| | Fattore di scala sul meridiano centrale | 0.9996 |
| | Unità | Metri |

Le coordinate sono espresse in metri (m).

1.12 Unità di Misura del Rilievo

Le unità di misura usate durante il progetto sono le seguenti:

Tabella 1.8: Unità di Misura del Rilievo

| Valore | Unità |
|---|------------------------------|
| Tempo: Navigazione, Side Scan Sonar; Magnetometro e ROV | Tempo Locale (UTC+02:00 ore) |
| Tempo: Sub-bottom | UTC |
| Unità lineari | Metri Internazionali (m) |
| Unità angolari | Gradi, Minuti, secondi |

1.13 Controllo Verticale

Durante il rilievo geofisico, i dati batimetrici sono stati ridotti al Livello Medio del Mare (MSL). Successivamente è stato applicato uno shift di 0.15 m alla Marea Astronomica più bassa LAT.

2. RISULTATI DEL RILIEVO GEOFISICO E INTERPRETAZIONE DEI DATI

L'interpretazione dei dati raccolti durante il rilievo geofisico del WP2 è stata eseguita integrando dati MBES, SSS, MAG, video ROV con dati sismici: SBP e UHR. L'interpretazione è stata basata su pubblicazioni scientifiche disponibili e confermata dalle stesse (vedi Bibliografia). I risultati dell'interpretazione sono illustrati nelle Figure nel testo (da Figura 2.1 a Figura 2.22) e nelle carte (vedi Appendice D).

2.1 Caratteristiche Morfo-Batimetriche Del Fondale Marino

Il MBES ha prodotto risultati di qualità eccellente e non sono stati riscontrati problemi con le apparecchiature durante l'acquisizione; è stata garantita la copertura completa dell'area da investigare (libera da ostacoli per la sicurezza della navigazione). L'accuratezza dei dati batimetrici dipende dalla profondità del fondale e dal posizionamento.

Durante il Processing del MBES, le dimensioni della cella del grid sono state ottimizzate per le diverse profondità di acqua lungo i settori ECC e nell'area del Sito Principale (Vedi Tabella 2.1). In ogni settore, gli oggetti sul fondo più piccoli della dimensione della cella del grid non sono stati risolti e identificati nel DTM finale.

Tabella 2.1 Profondità del fondale e dimensione della cella del grid lungo i Settori ECC e nell'Area del Sito Principale

| Settori ECC / Area del Sito Principale | Profondità del fondale marino (m) | Dimensione cella (m) |
|--|-----------------------------------|----------------------|
| 1, 2 | 10-25 | 0.5 x 0.5 |
| 3 | 25-50 | 1.0 x 1.0 |
| 4 | 50-100 | 2.0 x 2.0 |
| 5 to 9 | 100-350 | 3.0 x 3.0 |
| Area Sito Principale | 100-350 | 3.0 x 3.0 |

Tutte le batimetrie sono riferite alla Marea astronomica più bassa (LAT).

L'accuratezza della posizione degli elementi del fondale interpretati sul Side Scan Sonar dipende dalla combinazione di posizionamento della nave, posizionamento acustico del pesce a traino rispetto alla nave e interpretazione della posizione relativa del pesce a traino. Per questo set di dati è stata calcolata un'accuratezza di 6 m. Le altezze degli ostacoli del fondale stimata dai dati SSS hanno un'accuratezza di ± 0.2 m. Le ostruzioni più piccole della risoluzione del sonar potrebbero non essere state rilevate. In acque basse, la qualità dei dati SSS è inficiata dal rumore di fondo causato dalla presenza di abbondanti e fitte mattoni di *Posidonia Oceanica*. Tuttavia, durante il rilievo è stato possibile identificare alcune forme di fondo e qualche targets che sono stati valutati più in dettaglio durante la successiva fase di processi. Nella zona più distale da costa e nell'area del Sito Principale, i dati mostrano una buona qualità e consentono di avere una risoluzione finale del mosaico di 0.5x0.5m.

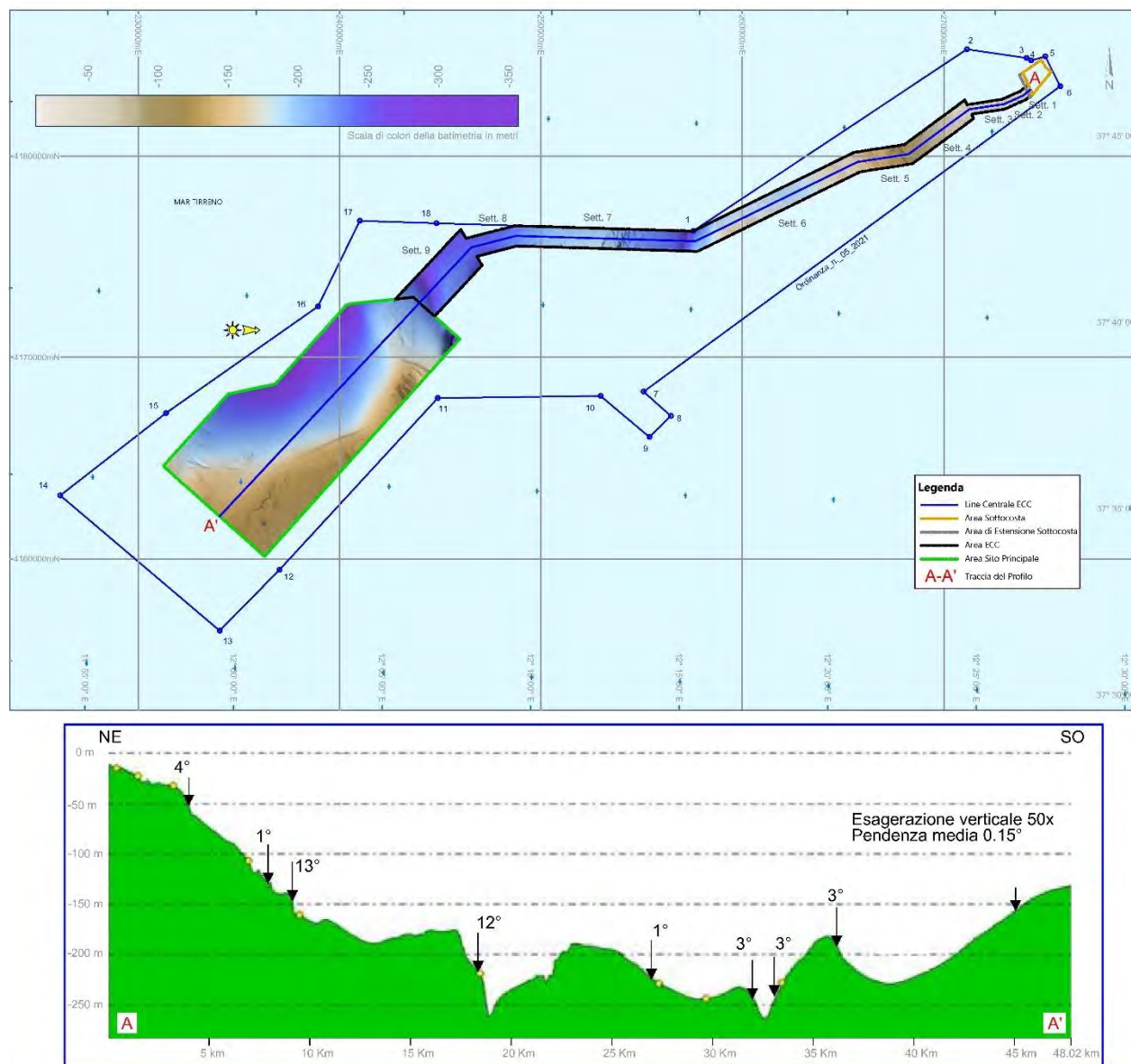


Figura 2.1: DTM (MBES) finale dell'area del rilievo e profili bati-morfologici lungo le rotte finali (linea rossa: da ECC al Sito Principale)

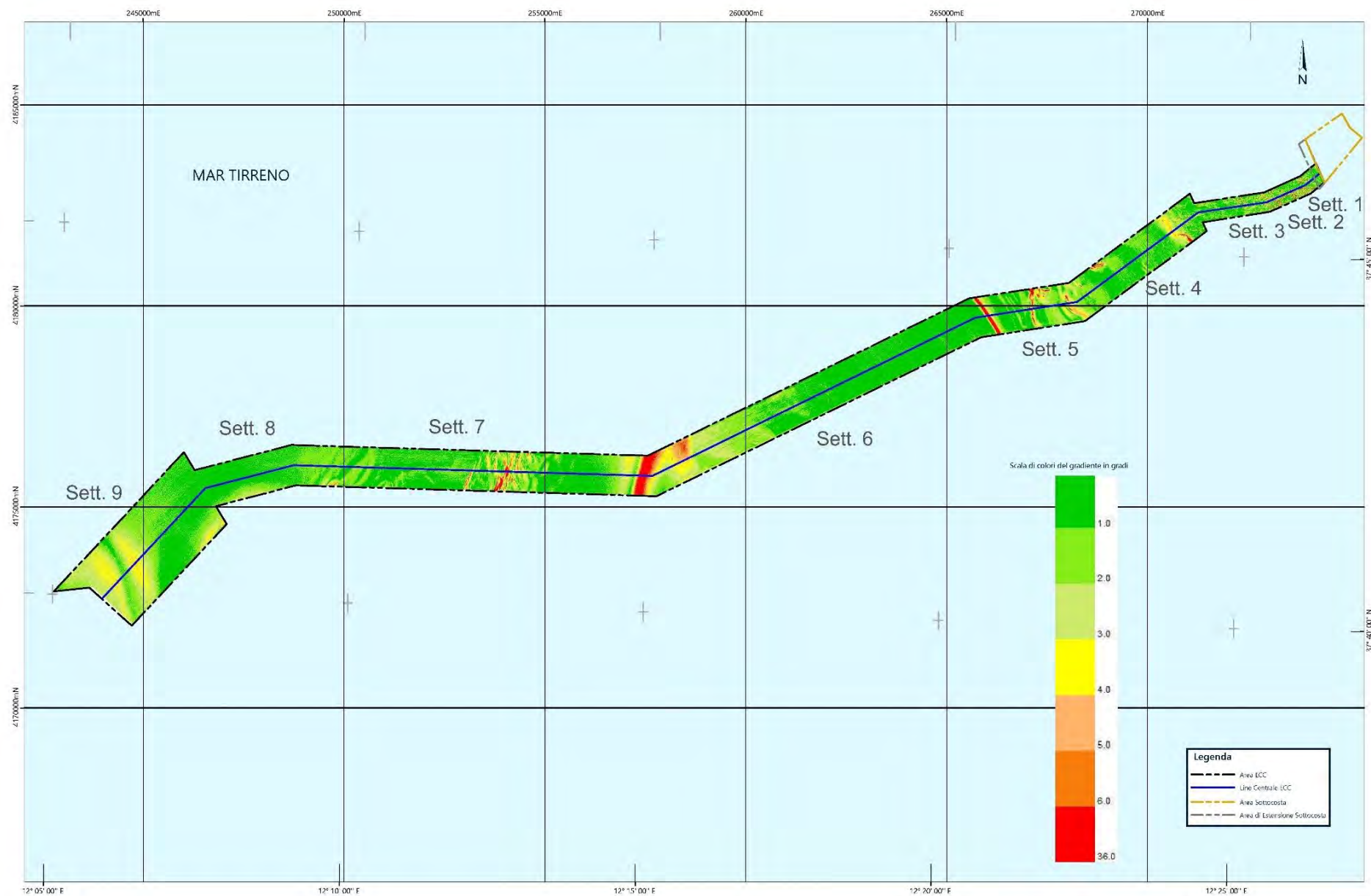


Figura 2.2: Gradiente del fondale marino lungo ECC

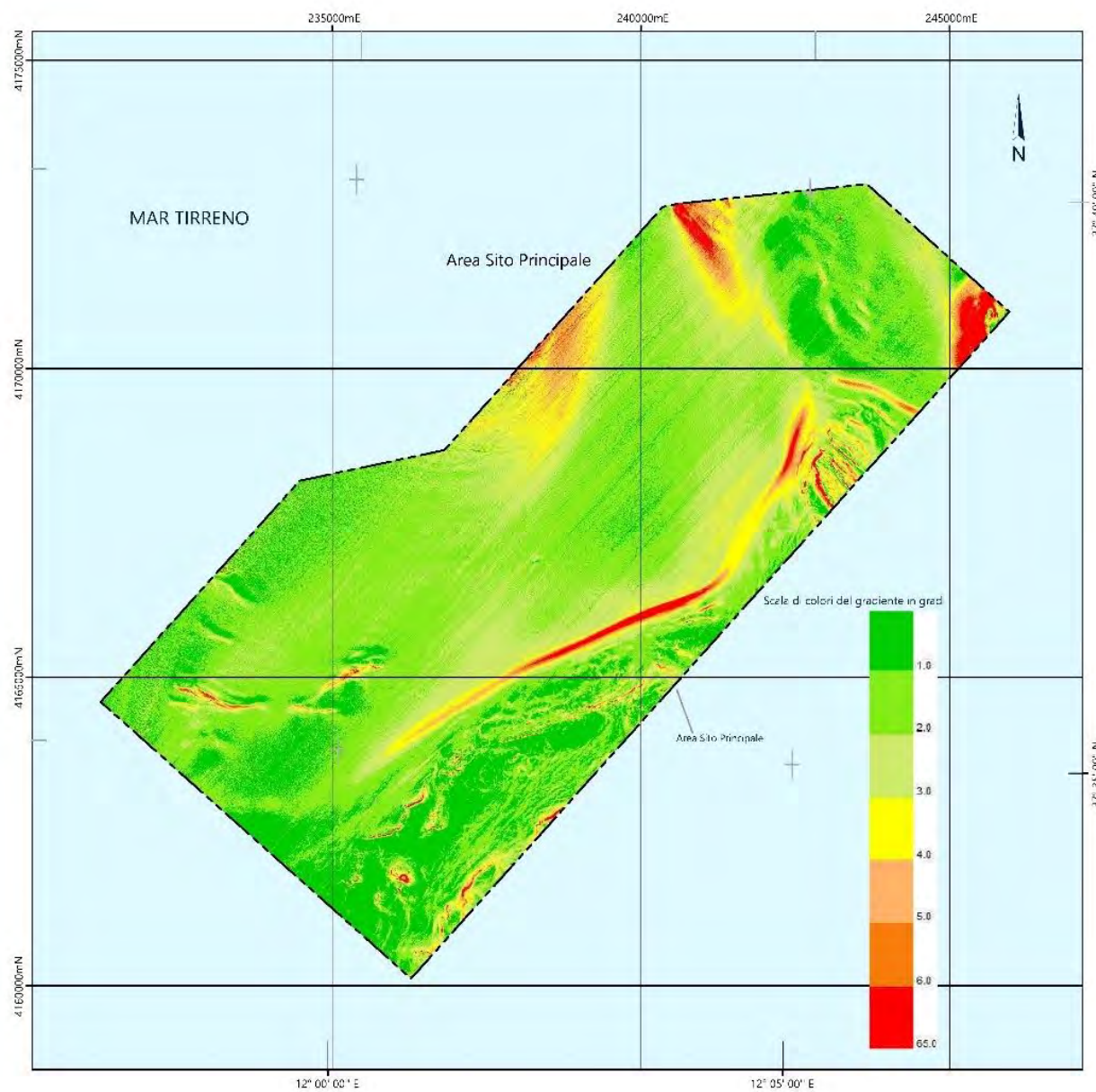


Figura 2.3: Gradiente del fondale marino lungo il Sito Principale

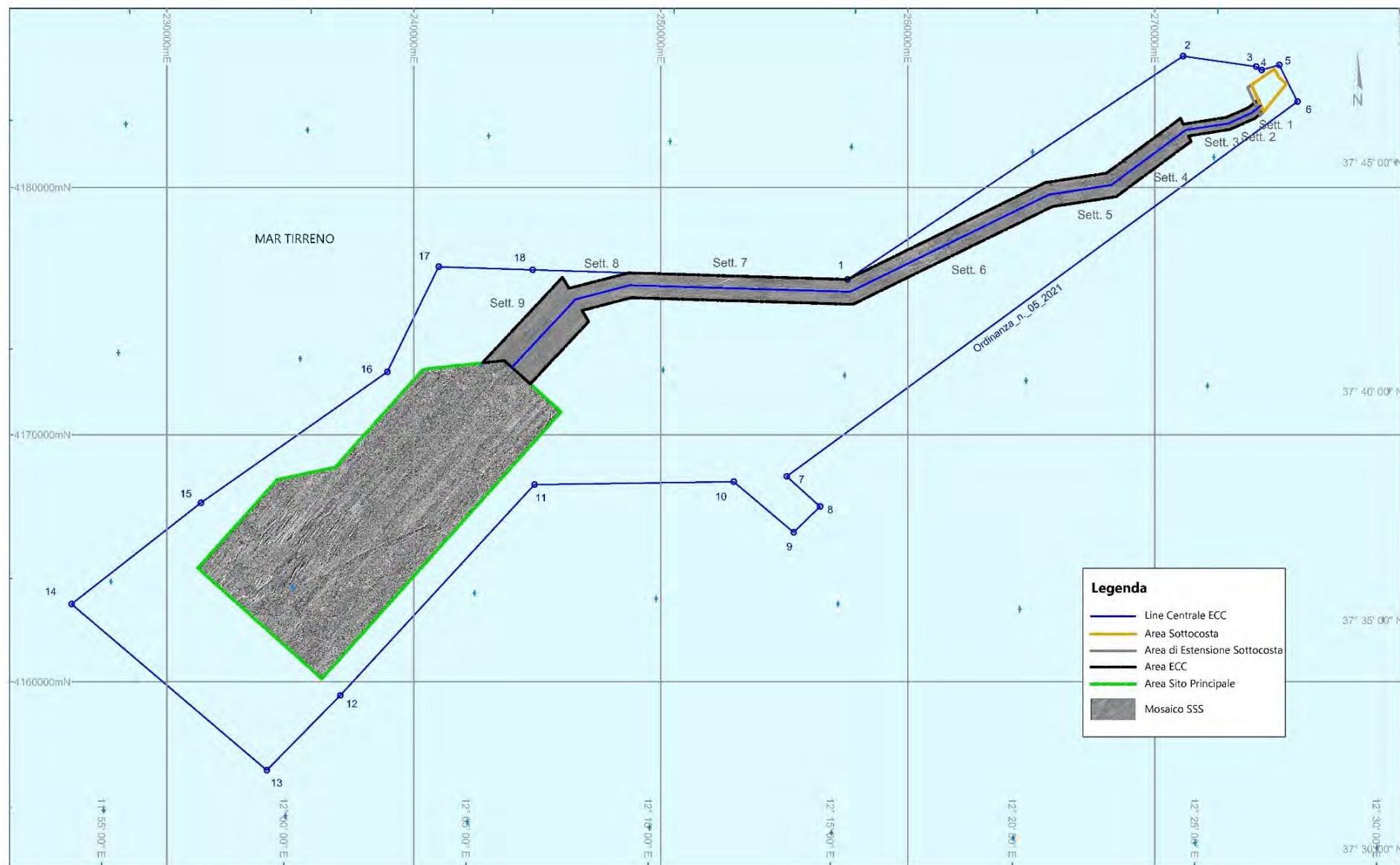


Figura 2.4: Mosaico SSS all'interno del Sito Principale e lungo ECC

2.1.1 ECC

Tabella 2.2: Dettagli della Batimetria e del Gradiente lungo il Corridoio ECC

| | |
|---------------------------------------|-------------|
| Profondità minima all'interno di ECC | 9 m |
| Profondità massima all'interno di ECC | 274 m |
| Gradiente massimo e minimo (media) | 0°-36° (1°) |

Lungo il corridoio, la pendenza (il gradiente) media è generalmente inferiore a 1°. La pendenza massima è di circa 13°, misurata su una scarpata di circa 15 m in prossimità di un'area sub-affiorante (Figura 2.1).

Le variazioni dei sedimenti del fondale marino sono state identificate e integrate solo con dati MBES, SSS e video ROV. Il Backscatter è generalmente moderato, in corrispondenza di sedimenti sabbiosi, con aree ad alto backscatter che rappresentano affioramenti e sub-affioramenti (vedi Figura 2.4).

Nell'area nord-orientale (Sezioni 1-3), a ridosso della linea di costa, il corridoio di indagine è caratterizzato da una spessa matte di *Posidonia oceanica* e, a maggiori profondità, da praterie rade di *Posidonia oceanica* con aree di SABBIA in mezzo. La matte spessa è generalmente presente nella zona meno profonda, mentre quella più rada nelle aree più profonde. Sono inoltre identificate aree con matte di *Posidonia oceanica* in altorilievo, che sono state osservate lungo un'area allungata in direzione NW-SE, compresa tra circa 12 m e 25 m bLAT. La *Posidonia oceanica* è presente fino ad una profondità massima del fondale di circa 42 m (vedi Figura 2.5). In generale, lo spessore della matte è un'indicazione dell'età del campo di Posidonia. Il matte è una struttura che si forma a causa dell'intreccio di rizomi plagiotropi e ortotropi e dell'accumulo di sedimenti su di essi. In un'area ad elevata idrodinamica o in presenza di una zona di ancoraggio, il matte può essere sradicato o danneggiato, riducendone lo spessore o eliminandolo completamente, dando origine a canali sabbiosi detti inter-matte. La valutazione dello stato di salute della matte si basa sulla densità dei rizomi, sul numero di foglie per rizoma e qualche indice (i. lepidocronologici) sulla dimensione e sullo stato delle foglie, sugli organismi epibionti, e su altri parametri.

Lungo il corridoio sono presenti diverse aree con affioramenti e sub-affioramenti con un copertura di SABBIA (meno di 1 m). La presenza di questi affioramenti è confermata anche dai dataset del SBP e del UHR. Generalmente, gli affioramenti e i sub-affioramenti nell'area mostrano un backscatter da moderato ad alto e hanno un'espressione morfologica sul fondale priva di strutture. Tuttavia, in più occasioni è possibile riconoscere la struttura interna, mostrando segni di stratificazione sul fondale da associare all'Unità D sottostante, fagliata e piegata (Sezione 6 e 7). La possibile presenza di fondali coralligeni e bioturbati è stata osservata nelle Sezioni 4 e 5 utilizzando i video ROV (vedi Figura 2.6, Figura 2.7 e Figura 2.8).

Lungo il corridoio sono presenti due depressioni lineari (Sezioni 5 e 9), generalmente presenti alla base di pendii maggiori. La forma delle depressioni è generalmente dolce con pendenze

sui lati inferiori a 4°. La profondità massima è di 10 m in quella più grande, vicino all'area del Sito Principale (Sezione 9).

Depressioni (in totale 76, di cui 61 identificate come possibili pockmarks) sono presenti anche lungo il settore ECC, con dimensioni variabili da 5 a 15 m e una profondità massima misurata inferiore a 1 m (vedi Figura 2.8). Generalmente, mostrano un alto backscatter che localmente può essere dovuto a concrezioni connesse con la fuoriuscita di fluidi/gas e/o a sedimenti grossolani/massi (osservati sui dati SSS). Tuttavia, nessun video ROV eseguito sui transetti mostra queste depressioni. Sui dati SSS, nessuna depressione mostra evidenza di fuoriuscita di fluido/gas. Inoltre non sono state individuate anomalie magnetiche.

Il fondale marino lungo il corridoio è inoltre caratterizzato dalla presenza di numerose tracce di reti da traino, talvolta concentrate in aree, come nelle Sezioni 6, 7, 8 e 9 (vedi Figura 2.8).

Un elenco completo di tutti i target identificati sul SSS lungo il settore ECC è riportata in Appendice A. Per ulteriori dettagli vedere inoltre l'Appendice B – Rapporto dei Target SSS.

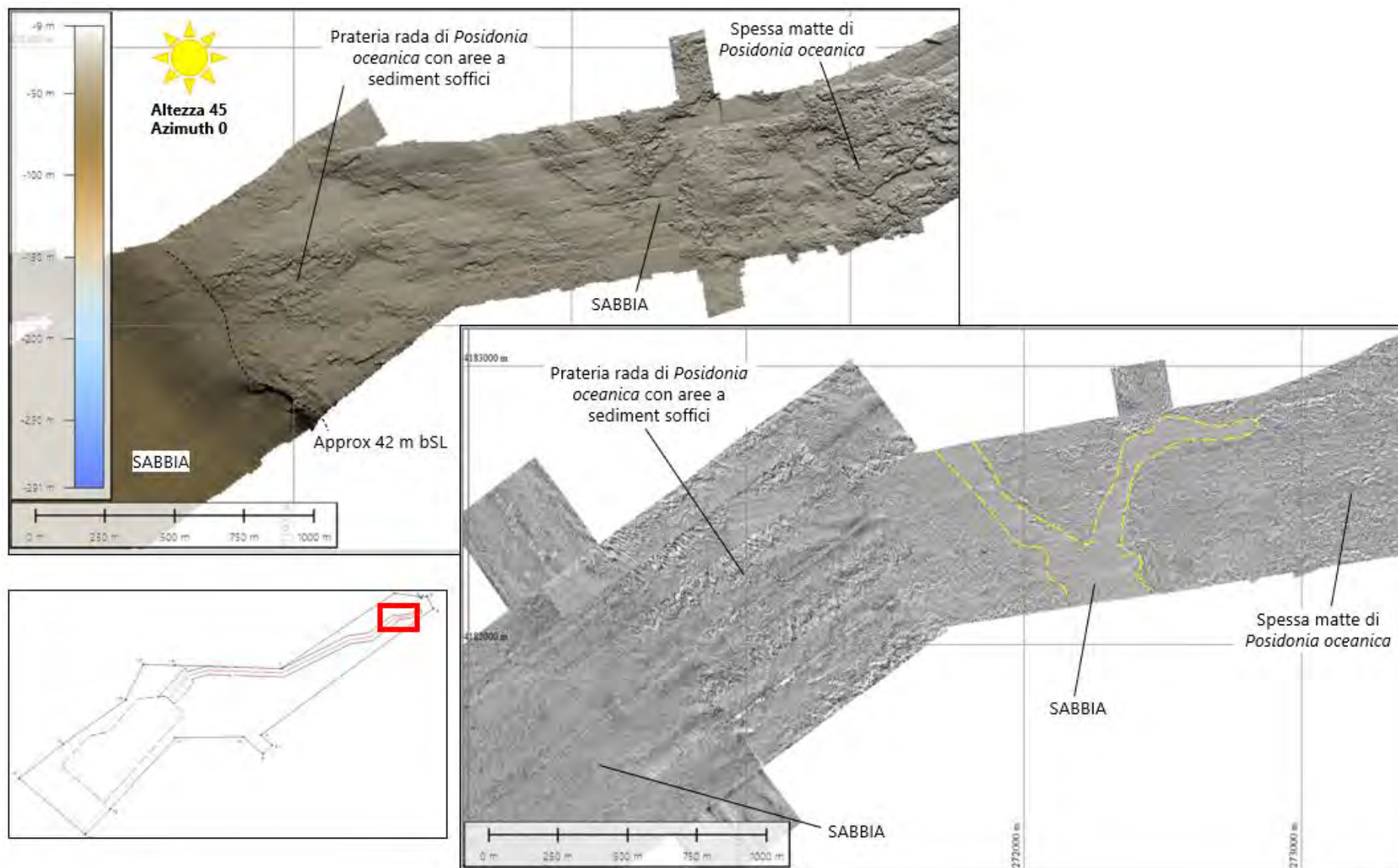


Figura 2.5: Dati MBES e SSS con Praterie di *Posidonia oceanica* (Sezioni 1, 2 e3)

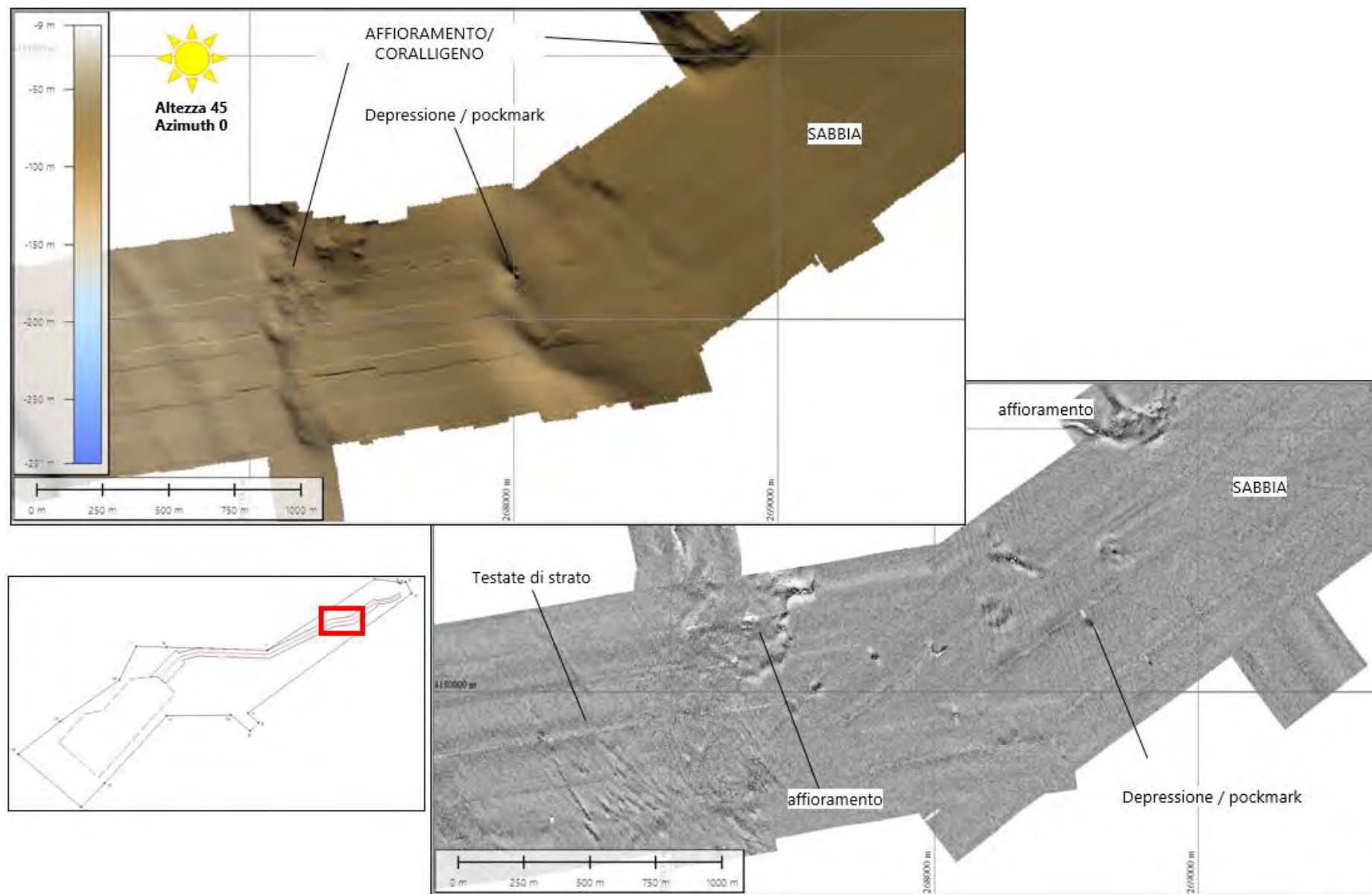


Figura 2.6: Dati MBES e SSS con Affioramenti e pockmarks sul fondale marino (Sezione 5)

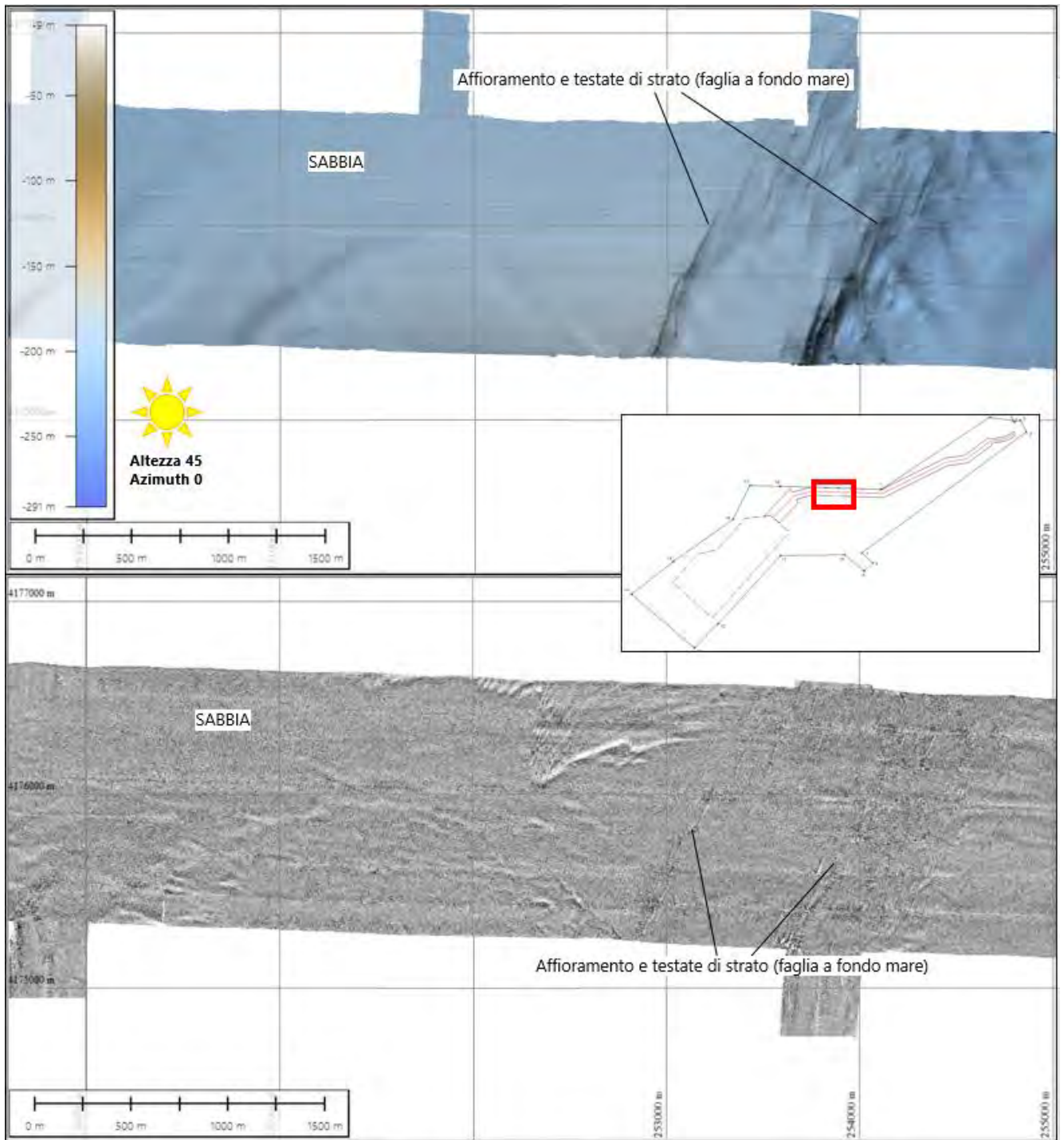


Figura 2.7: Dati MBES e SSS con Affioramenti stratificati (faglia al fondo mare) del fondale marino (Sezione 7)

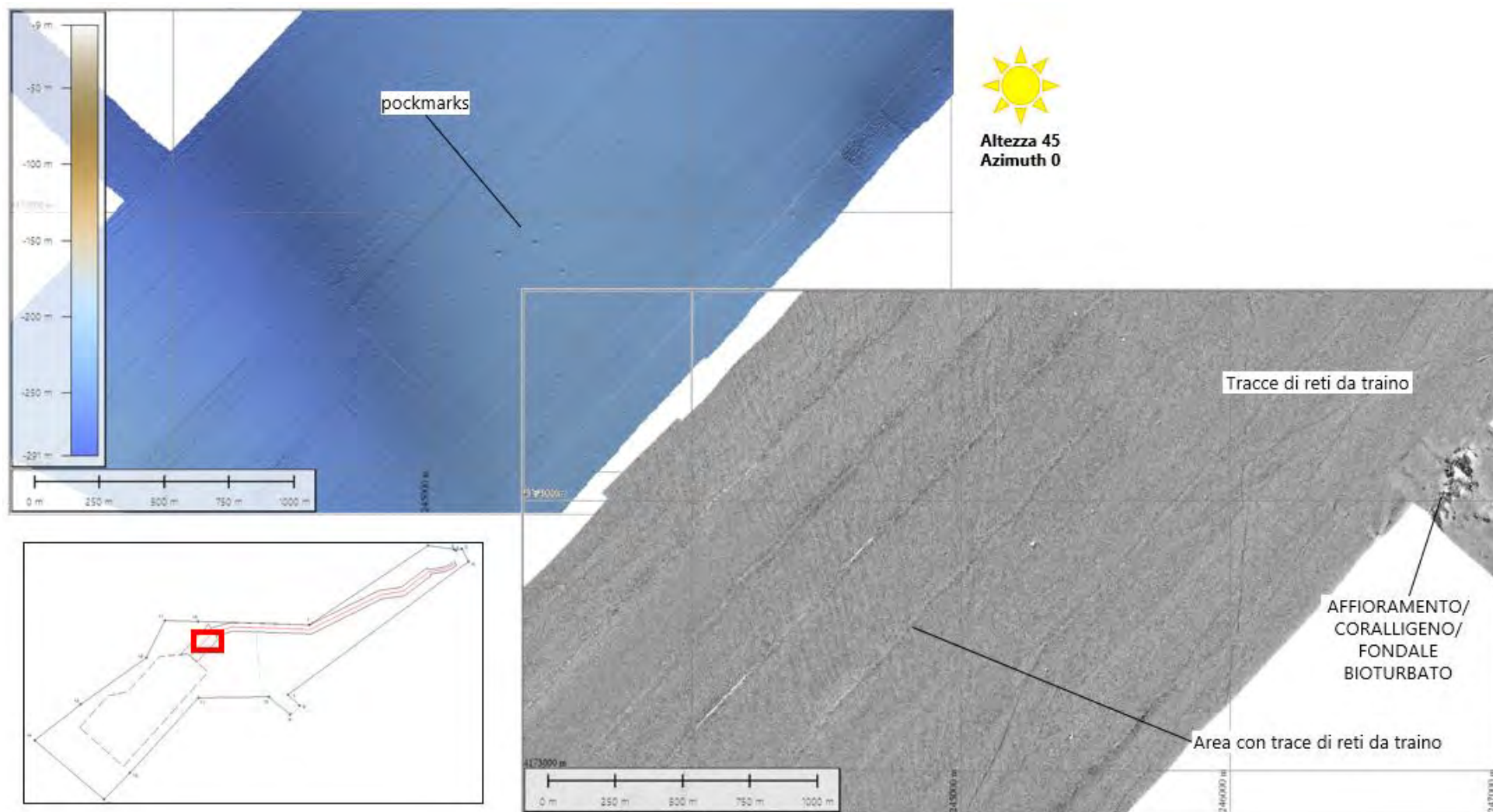


Figura 2.8: Dati MBES e SSS con Pockmarks e tracce di reti da traino (Sezione 9)

2.1.2 Sito Principale

Tabella 2.3: Dettagli della batimetria e del gradiente nel Sito Principale

| | |
|---|--------------|
| Profondità minima nel Sito Principale: | 88.5 m |
| Profondità massima nel Sito Principale: | 350 m |
| Gradiente minimo e massimo (media) | 0°- 65° (2°) |

La batimetria all'interno del Sito Principale varia da 88 a 350 m. Le pendenze medie sono generalmente minori di 2°; mentre i gradienti maggiori, dove la pendenza massima supera i 60°, sono presenti in corrispondenza di una rottura di pendio allungata e in una scarpata ripettivamente nel settore SE e nella parte NE dell'area del rilievo (Figura 2.1). Le variazioni dei sedimenti del fondale marino sono state identificate integrando i dati MBES, SSS e ispezionando i video del ROV.

L'area del Sito Principale è caratterizzata da un generale medio backscatter dovuto alla presenza di SABBIA, soprattutto nella parte centrale, e da aree con un backscatter più alto nel settore sud-orientale, dove sono presenti i maggiori affioramenti (vedi Figura 2.9). In questo settore, alcune creste allungate sono state osservate e interpretate come strati cementati affioranti sul fondale marino (sono stati mappati e riportati nella CARTA DELLE CARATTERISTICHE DEL FONDALE MARINO quando maggiori di 6° di pendenza). In qualche caso, le aree ad alto backscatter potrebbero corrispondere ad un fondale coralligeno e bioturbato.

Nella parte sud-occidentale del Sito Principale, il mosaico dei dati SSS evidenzia diverse bande allungate con alto e basso backscatter (vedi Figura 2.11), corrispondenti ad un'area caratterizzata da sedimenti soffici, poco coesi, con un'alta componente biogenica, come confermato dai dati ROV.

Nella parte sud-occidentale del Sito Principale, sono state osservate diverse depressioni di forma allungata, probabilmente legate alla presenza di faglie che raggiungono il fondale marino e che potrebbero agire come zone di fragilità/debolezza (vedi Figura 2.11). Nella parte nord-occidentali, sono state osservate sul fondale diverse deformazioni di forma allungata, orientate con direzione NO-SE, associate a faglie sepolte.

Verso il limite nord-occidentale del Sito Principale sono stati osservati megaripples con lunghezza d'onda variabile da 5 m a 25 m (vedi Figura 2.12). Le creste sono allungate in direzione NO-SE e appaiono quasi parallele nella maggior parte dell'area (megaripples 2D); in qualche limitata zona, le creste sembrano più sinuose a discontinue (megaripples 3D). Il passaggio da megaripples 2D a megaripples 3D è legato alle condizioni del flusso che cambia da più lento a più veloce. Nell'area circostante, sono presenti numerose aree con sedimenti grossolani.

Nel settore nord-orientale del Sito Principale, sono state osservate diverse depressioni allungate, per lo più orientate in direzione NE-SO, fino a 120 m di lunghezza che mostrano un'erosione profonda 0.5 m. Non sono state associate anomalie magnetiche a questi

elementi. Esse sono state interpretate come possibili comet marks, depressioni erosive causate da correnti sul fondale che incontrano un ostacolo. Sono stati interpretate 151 depressioni, interpretate come pockmarks, per lo più concentrati in una densa area nella parte settentrionale e centrale del Sito Principale. Essi hanno un diametro che varia da 2 m a 22 m (generalmente il diametro medio è meno di 10 m). La loro profondità media è di 1 m.

Nel settore settentrionale dell'area del Sit Principale, vicino all'area del corridoio, una nave relitta è stata identificata durante il survey, e poi investigata in dettaglio con un transetto ROV. Il relitto è lungo 103 m, ampio 22.5 m e alto approssimativamente 6.2 m (vedi Figura 2.10).

Tabella 2.4: Coordinate dei Vertici della Nave Relitta

| Posizione | Est (m) | Nord (m) |
|-----------|----------|-----------|
| Centro | 243212.9 | 4172421.5 |
| NO | 243207.2 | 4172430.0 |
| SE | 243219.0 | 4172412.5 |
| SO | 243169.3 | 4172395.8 |
| NE | 243251.0 | 4172444.0 |

Nell'area circostante, è presente del detrito antropico; uno di questi è stato identificato tramite anomalia magnetica e investigato con un transetto ROV e quindi interpretato come un possibile UXO; non sono state trovate altre anomalie magnetiche nelle vicinanze. Una possibile testa di pozzo abbandonata è stata identificata nel settore sud-orientale del Sito Principale: mostra una sconosciuta forma ad albero di Natale (Figura 2.22). Per maggiori dettagli, vedi Appendice D – Reperti Archeologici e Tabella 2.6.

Sul fondale marino del Sito Principale sono stati riconosciuti almeno cinque (5) cavi presenti anche nel database fornito dal Cliente. Questi generalmente sono stati osservati sia sul Magnetometro (le 110 anomalie sono riportate) che sui dati SSS, mostrando zone localmente libere. Un cavo è stato riconosciuto solo sui dati SSS.

L'elenco completo dei Target SSS e MAG sono riportati in Appendice A.

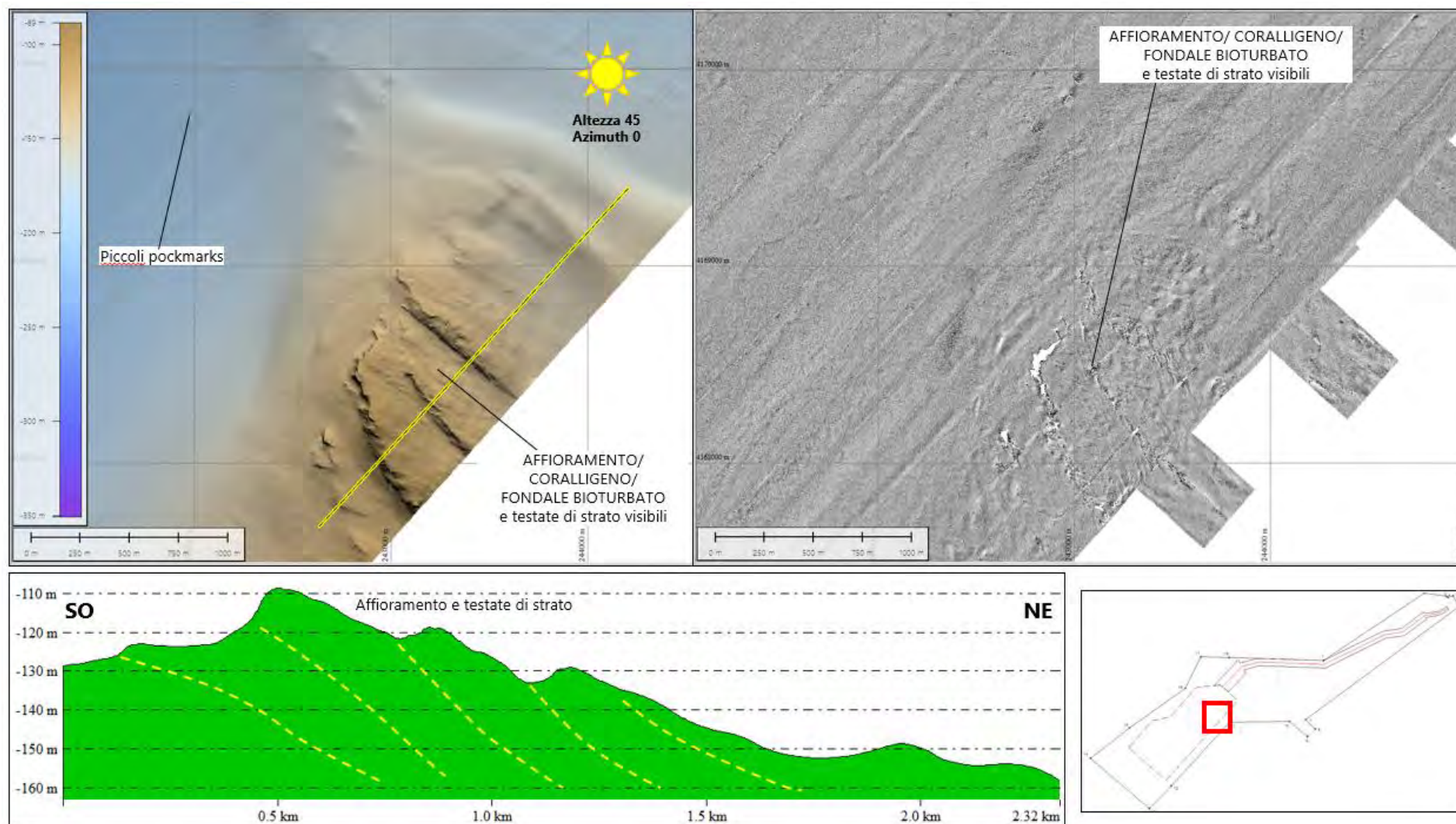


Figura 2.9: Dati MBES e SSS: Affioramento stratificato nell'Area del Sito Principale

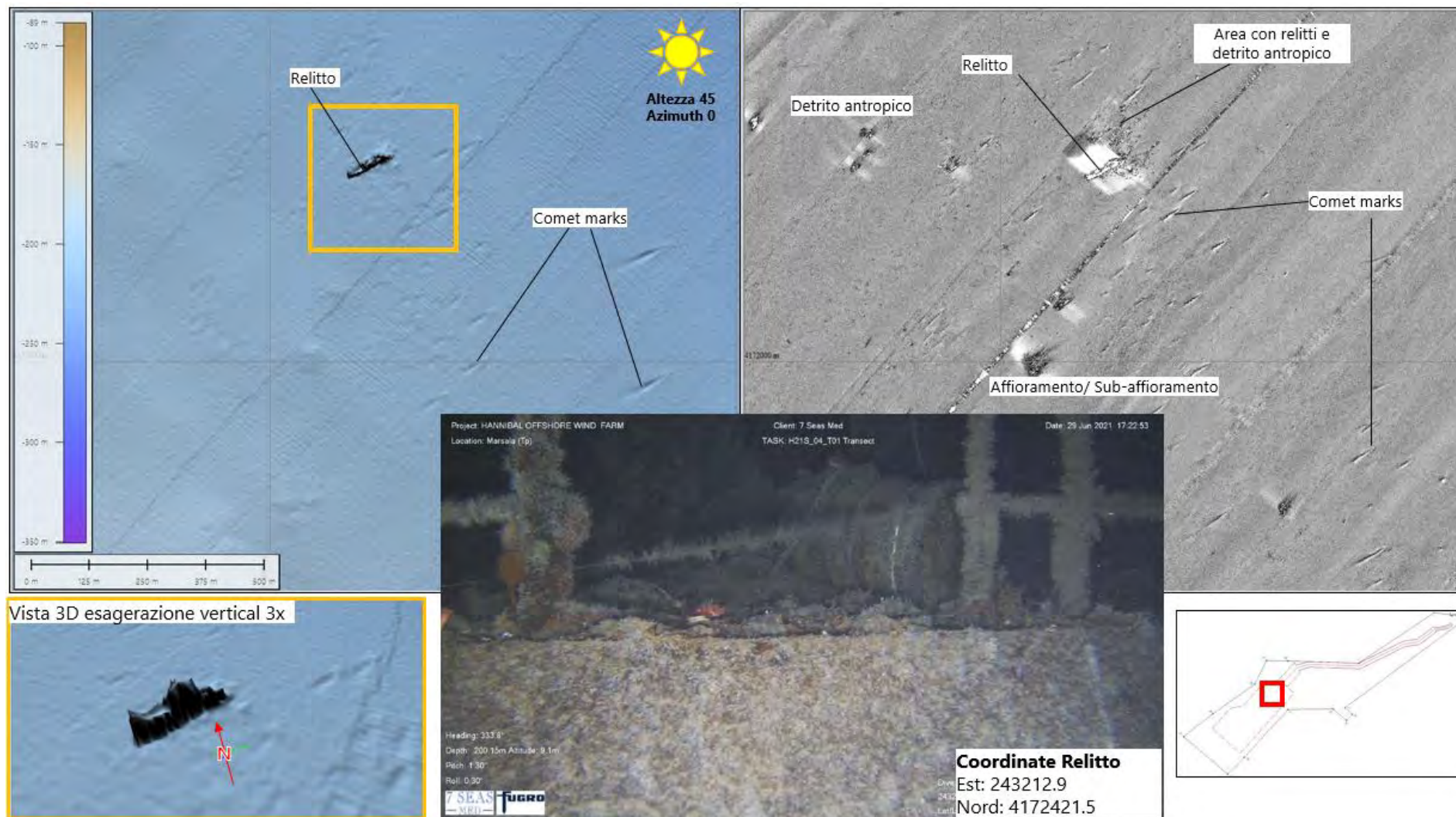


Figura 2.10: Dati MBES, ROV e SSS: Relitto sommerso e campo a comet mark nell'Area del Sito Principale

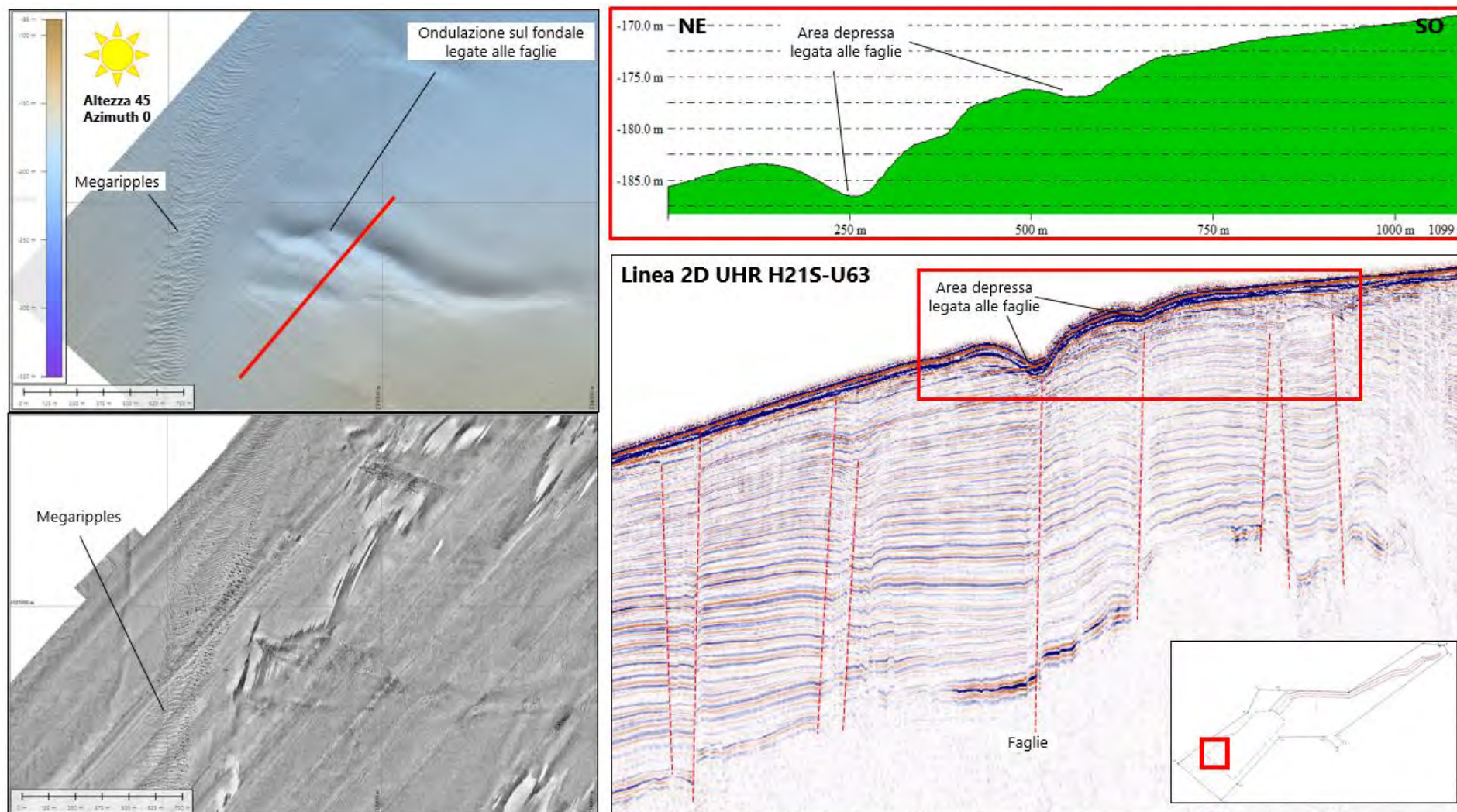


Figura 2.11: Dati MBES, SSS e UHR: Area a sandwave/Megaripples e area depressa/con ondulazione sul fondale marino in relazione alla fagliazione del Sito Principale

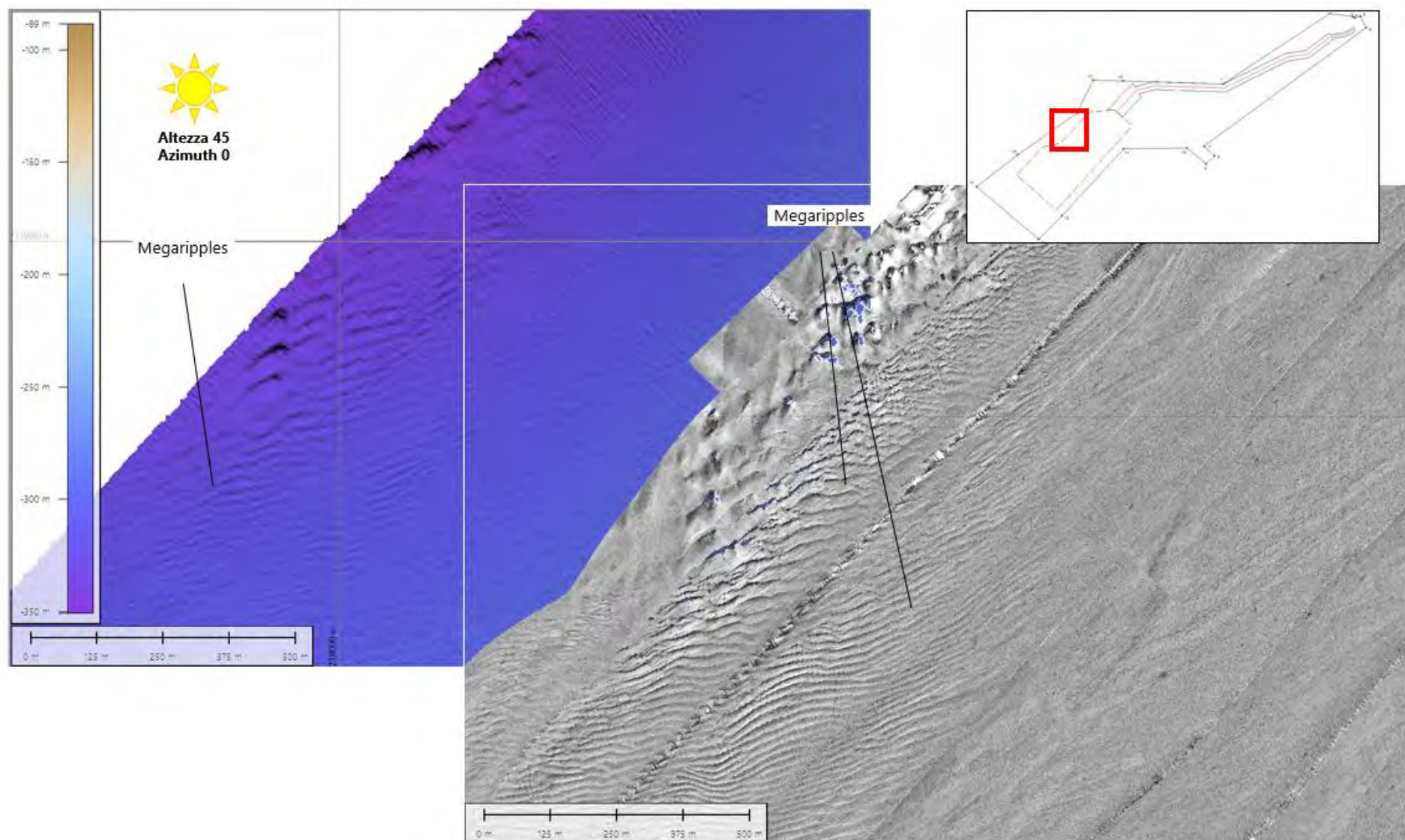


Figura 2.12: Dati MBES e SSS: Megaripples nell'area centrale

2.2 Magnetometro

Il Magnetometro è stato acquisito durante l'acquisizione del SBP. Durante la fase di pre-processing, le anomalie identificate sono state potenzialmente correlate ai targets. Tutti sono stati riportati in una tabella dedicata e identificati da un ID univoco. Sono state eseguite ulteriori analisi e correlazioni con altri sensori al fine di migliorare la classificazione.

Di seguito viene fornito un esempio di risultato del magnetometro.

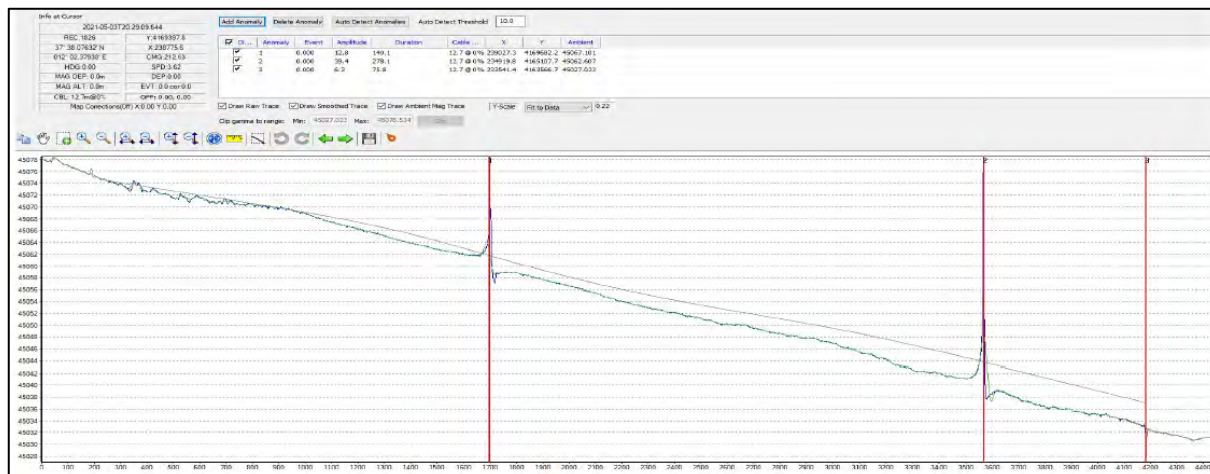


Figura 2.13: Esempio di dati MAG (con le anomalie dei cavi riscontrate)

Numerose anomalie sono state identificate nell'area del rilievo. La maggior parte risultano ignote poiché sono state di difficile interpretazione,

Un cavo, SMW4 seg 4.1 (Alex-BU Palermo) è stato identificato lungo il corridoio da una serie di anomalie magnetiche con valori simili di intensità e allungate in direzione NO-SE.

Tre cavi (cavo SMW4 seg 4.1, cavo Alexandria Palermo, cavo Artemis) sono stati identificati lungo il Sito Principale da una serie di anomalie magnetiche con valori di intensità simili e allungate in direzione NO-SE.

Altre anomalie magnetiche hanno generalmente una bassa intensità, inferiore a 5 nT, tranne alcune nel ramo settentrionale del corridoio che è stato abbandonato; qui mostrano un'intensità fino a 40 nT e per la nave relitta fino a 685 nT.

Per un elenco completo, vedi Appendice A – Tabelle.

2.3 Sub Bottom Profiler

La qualità dei dati sub-bottom profiler è buona. È stata generalmente ottenuta nell'area del rilievo un'utile penetrazione acustica di massimo 12-13 ms o approssimativamente di 10 m sotto il fondale marino.

La risoluzione verticale dei dati è stata stimata inferiore a 1 m per il sub-bottom profiler; strati più sottili di questo valore potrebbero non essere quindi rilevati. La spaziatura delle linee è circa di 150 m; elementi morfo-batimetrici più piccoli di 150 m e presenti tra le linee potrebbero non essere risolti. Le profondità e le posizioni degli strati tra le linee acquisite si basano sull'interpolazione, la cui affidabilità dipende dalla complessità della geologia. Le profondità del sottosuolo marino sono state stimate assumendo una velocità acustica di 1600 m/s, che è considerata ragionevole per i tipi di sedimenti interpretati.

L'accuratezza delle profondità stimate dipende dalla risoluzione verticale dei dati e dalla velocità acustica usata per convertire i tempi doppi di riflessione in profondità ed è considerata pari a circa $\pm 1\%$ della profondità del fondale.

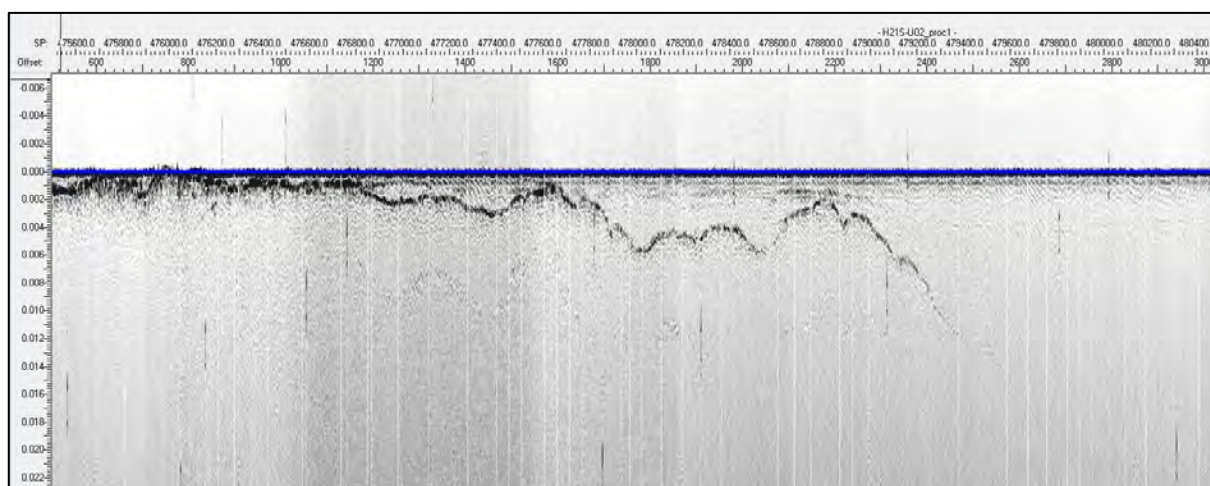


Figura 2.14: Esempio di SBP (Linea H21S-U02 – fondo mare appiattito)

2.4 Interpretabilità dei Dati Sismici UHR

L'interpretabilità dei dati acquisiti è basata sui dati SBP e UHR acquisiti durante il rilievo caricati nel software IHS's Kingdom Suite ed è limitata ad una profondità di 100 m sotto il fondale marino. L'esperienza Fugro nell'area e le informazioni sulla geologia dell'area hanno guidato l'interpretazione preliminare combinandola poi con la descrizione delle facies sismiche osservate.

I dati UHR sono zero-phase, a polarità normale. Per approfondire i dettagli del processing vedi Appendice C – Rapporto del Processing UHR.

La stratigrafia sismica prevista nell'area comprende cinque unità sismiche la cui descrizione sismica è riportata in Tabella 2.5. La sequenza sismica rappresenta un cuneo continentale formatosi nell'ultimo ciclo eustatico (Pleistocene-Olocene) progradante su un basamento carbonatico, sovrapposto da un deposito di alto stazionamento.

Tabella 2.5: Descrizione delle Unità Sismiche

| Unità | Riflettori Principali | | Architettura delle Riflessioni | Geometria e strutture | Continuità dei riflettori interni | Distribuzione e d'Ampiezza | Note |
|-------|-----------------------|------|---|--|-----------------------------------|----------------------------|---------------------|
| | Top | Base | | | | | |
| A | Fondo mare | H10 | Da riempimento parallelo a progradante | Forma da Strato a Cuneo | Moderata | Bassa a Media | Depositi sottocosta |
| B | H10 | H20 | Parallele/leggermente divergenti con diverse ES all'interno | Riflessioni multiple e continue interpretate come superfici erosive ES (H15 è stata mappata) | Alta | Alta a Bassa | |
| C | H20 | H30 | Riempimento da progradante a parallelo | Riflettori continui immergenti verso mare | Alta a Media | Alta a Media | Depositi marini |
| D | H30 | H40 | Unità sub-parallela Fagliata/piegata | Strato/Tabulare (costruzione di barriere coralline nella parte alta) | Alta a Media | Alta a Media | Depositi marini |
| E | Sotto H40 | | Unità Piegata e Fagliata | | Bassa a Moderata | Alta a Media | Basamento |

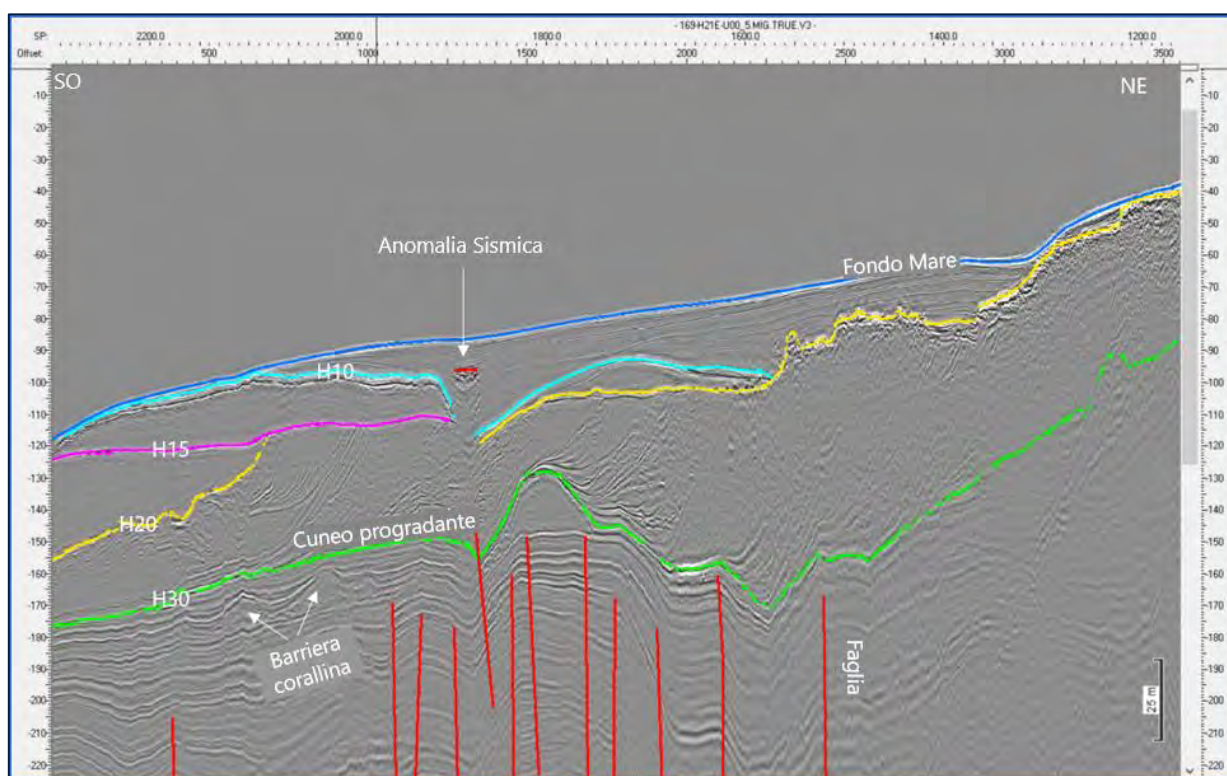


Figura 2.15: Esempio di dato UHR (Linea H21E-U00_5)

2.5 Ispezioni Visive

L'ispezione ROV ha confermato la presenza di un'estesa prateria di *Posidonia oceanica* (vedi Figura 2.16), depressioni e alcune strutture terrazzate probabilmente legate al substrato. Ove possibile, sono stati osservati ripples nelle aree con sabbia.

L'ispezione ROV ha confermato la presenza di un ambiente con fondale sabbioso e di bioturbazione e materiale biogeno in alcune zone. È stata riconosciuta anche la presenza di affioramenti.

Anche durante le ispezioni visive ROV sono stati riconosciuti dei cavi con campata locale libera (vedi Figura 2.18), detrito antropico localizzato (vedi Figura 2.21), una possibile testa di pozzo abbandonata, una nave relitta (vedi Figura 2.19), un relitto di un aeroplano sommerso e un possibile UXO (vedi Figura 2.20). Per maggiori dettagli vedi Appendice D – Ritrovamenti Archeologici. Di seguito l'elenco dei maggiori targets, con riferimento ai contatti magnetici.

Tabella 2.6: Reperti delle Ispezioni ROV

| No. Target | Est (m) | Nord (m) | Nome Transetto | Descrizione | Commenti |
|------------|----------|------------|----------------|--|------------------------------------|
| H21S-RM01 | 235627.0 | 4165173.87 | H21S_12_T01 | Corda | |
| H21S-RM02 | 238564.8 | 4165720.21 | H21S_11_T01 | Corda | |
| H21S-RM03 | 238562.2 | 4165720.70 | H21S_11_T01 | Detrito antropico | SSS- MAG (MM050, MM117) |
| H21S-RM04 | 238552.0 | 4165724.0 | H21S_11_T01 | Testa di pozzo abbandonata | SSS- MAG (MM050, MM117) |
| H21S-RM05 | 243355.3 | 4172311.7 | H21S_04_T02 | Cavo Artemis (campata libera) | SSS – MAG (MM110?) |
| H21S-RM06 | 242914.3 | 4172438.9 | H21S_04_T03 | Cavo | SSS |
| H21S-RM07 | 242918.4 | 4172440.0 | H21S_04_T03 | Aereoplano relitto e detrito antropico | SSS-MAG (MM102) |
| H21S-RM08 | 245504.0 | 4170551.8 | H21S_04_T03 | Cavo | SSS |
| H21S-RM09 | 242935.8 | 4172435.4 | H21S_04_T03 | Possibile UXO | MAG (MM102) |
| H21S-RM10 | 243211.9 | 4172421.5 | H21S_04_T01 | Nave relitta | MBES-SSS-MAG (MM072. MM073. MM110) |

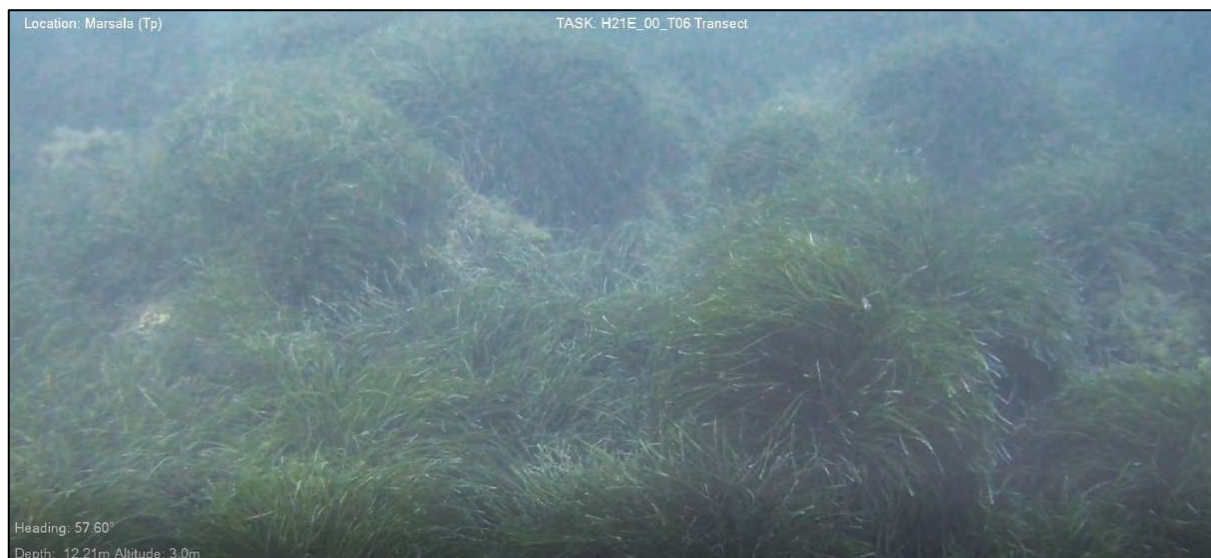


Figura 2.16: Frame dell'Ispezione Visiva registrata sul transetto H21E- 00-T06 – *Posidonia oceanica*

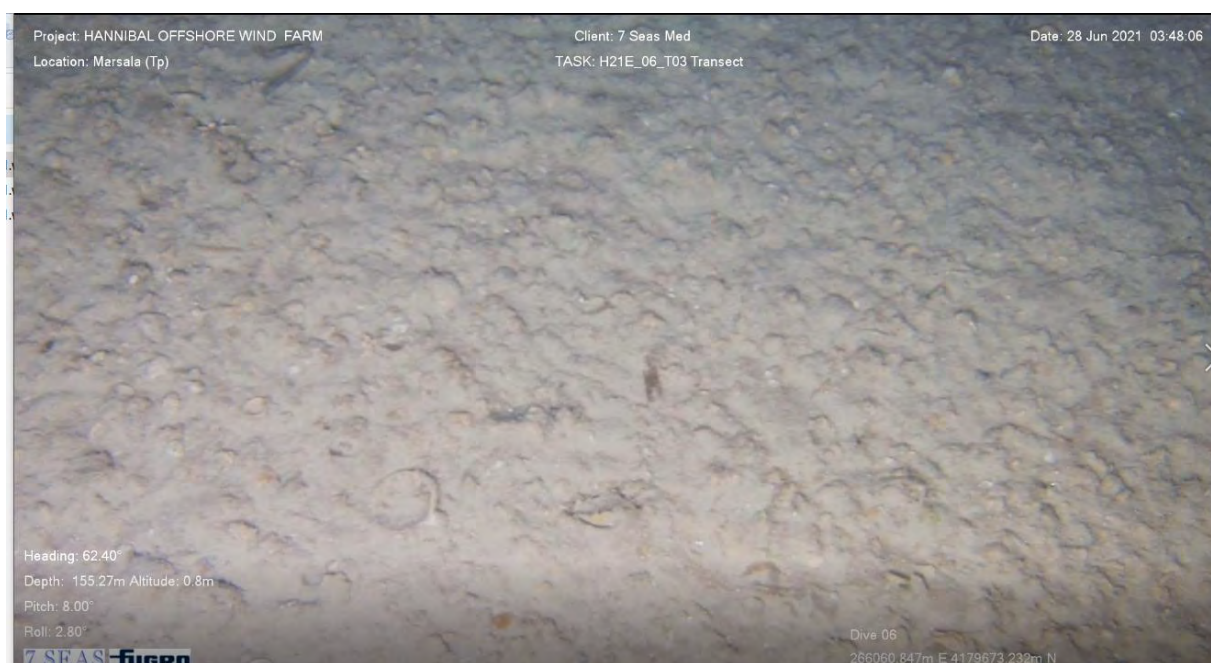


Figura 2.17: Frame dell'Ispezione Visiva registrata sul transetto H21E- 06-T03- fondale sabbioso con materiale biogenico/sub-affiorante

3



Figura 2.18: Frame dell'Ispezione Visiva registrata sul transetto H21S-04-T02 – cavo Artemis



Figura 2.19: Frame dell'Ispezione Visiva registrata sul transetto H21S-04-T01 – nave relitta

H21



Figura 2.20: Frame dell'Ispezione Visiva registrata sul transetto H21S-04-T03 – possibile UXO

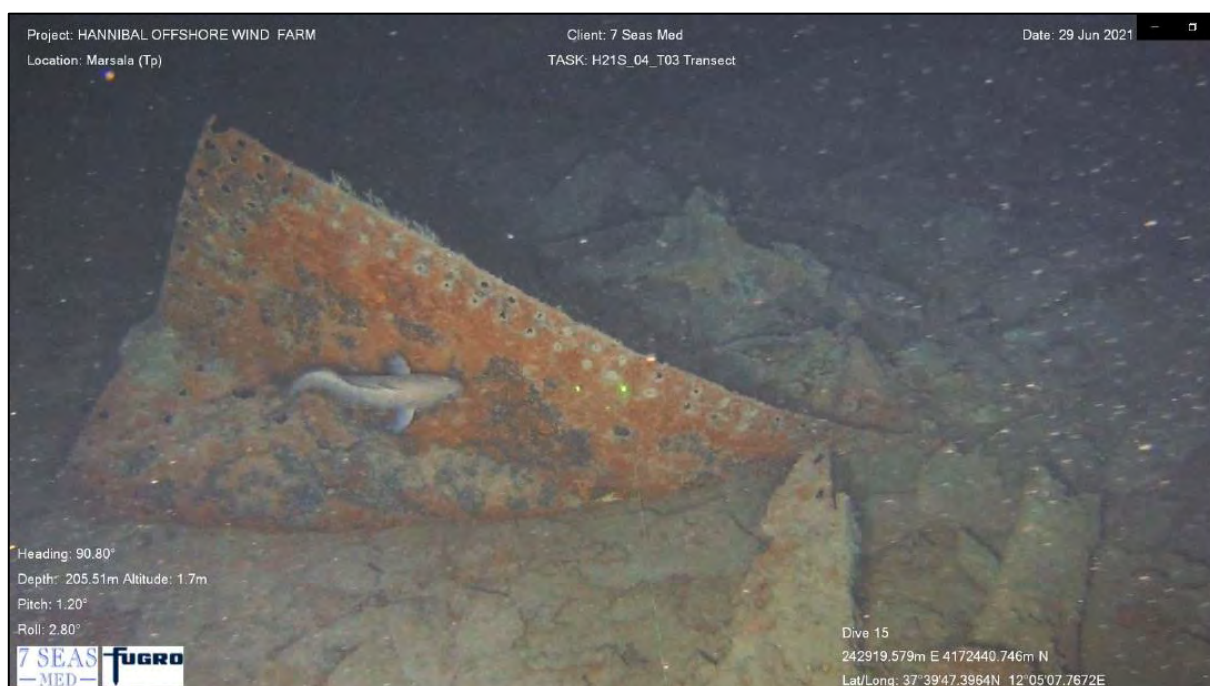


Figura 2.21: Frame dell'Ispezione Visiva registrata sul transetto H21S-04-T03 – detrito antropico



Figura 2.22: Frame dell'Ispezione Visiva registrata sul transetto H21S-11-T01 – testa di pozzo abbandonata

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Appendice A

Tabelle

A.1 Targets sul SSS lungo il corridoio ECC

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larghezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|---------------------|------------|---------------|---------------|------|-----|-------------|
| CC0001 | 266459.0 | 4179946.6 | Blocchi coralligeni | 1.19 | 12.22 | 9.43 | SI | NO | NO |
| CC0002 | 266790.6 | 4179689.4 | Masso | 1.32 | 12.40 | 5.60 | NO | NO | NO |
| CC0003 | 265847.8 | 4179286.5 | Massm | 3.05 | 8.70 | 5.90 | NO | NO | NO |
| CC0006 | 245227.0 | 4173828.2 | Pockmark | 1.17 | 15.77 | 14.98 | SI | NO | NO |
| CC0007 | 245480.7 | 4173765.2 | Pockmark | 1.13 | 10.66 | 11.42 | SI | NO | NO |
| CC0008 | 245374.5 | 4173875.6 | Pockmark | 2.24 | 10.25 | 11.42 | SI | NO | NO |
| CC0009 | 245584.7 | 4173770.8 | Pockmark | 0.81 | 10.70 | 10.64 | SI | NO | NO |
| CC0010 | 245476.7 | 4173936.6 | Pockmark | 2.81 | 12.60 | 8.70 | SI | NO | NO |
| CC0011 | 245602.5 | 4174598.8 | Pockmark | 0.96 | 10.84 | 11.85 | SI | NO | NO |
| CC0012 | 245737.0 | 4174288.1 | Pockmark | 0.69 | 11.43 | 13.45 | SI | NO | NO |
| CC0013 | 245408.8 | 4173123.5 | Pockmark | 1.08 | 12.21 | 15.33 | SI | NO | NO |
| CC0014 | 245319.6 | 4173371.8 | Pockmark | 1.55 | 11.80 | 11.40 | SI | NO | NO |
| CC0015 | 245459.2 | 4173348.3 | Pockmark | 0.69 | 12.98 | 11.79 | SI | NO | NO |
| CC0016 | 244949.2 | 4173796.6 | Pockmark | 1.56 | 9.47 | 11.95 | SI | NO | H21E_01_T01 |
| CC0017 | 245912.7 | 4174009.1 | Pockmark | 1.41 | 10.24 | 11.01 | SI | NO | NO |
| CC0018 | 245157.4 | 4174238.2 | Pockmark | 1.38 | 10.64 | 14.17 | SI | NO | NO |
| CC0019 | 245035.2 | 4174303.8 | Pockmark | 1.24 | 9.45 | 9.82 | SI | NO | NO |
| CC0020 | 245561.1 | 4174719.9 | Pockmark | 1.57 | 7.86 | 9.82 | SI | NO | NO |
| CC0021 | 246764.9 | 4175173.2 | Pockmark | 1.37 | 11.44 | 11.79 | SI | NO | NO |
| CC0022 | 246921.5 | 4175206.8 | Masso | 0.35 | 14.80 | 5.50 | SI | NO | NO |
| CC0023 | 246280.5 | 4175911.7 | Pockmark | 1.26 | 9.43 | 10.61 | SI | NO | NO |
| CC0024 | 243409.7 | 4172614.2 | Pockmark | 0.53 | 6.30 | 8.26 | SI | NO | NO |
| CC0025 | 243206.3 | 4172847.0 | Pockmark | 0.43 | 11.20 | 11.34 | SI | NO | NO |

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larghezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|-------------|------------|---------------|---------------|------|-----|-----|
| CC0026 | 243942.4 | 4171739.7 | Pockmark | 0.85 | 13.38 | 12.58 | SI | NO | NO |
| CC0027 | 243939.8 | 4171591.1 | Pockmark | 1.17 | 9.85 | 9.85 | SI | NO | NO |
| CC0028 | 244161.7 | 4171388.7 | Pockmark | 0.99 | 7.87 | 10.22 | SI | NO | NO |
| CC0029 | 257599.6 | 4175224.2 | Pockmark | 1.06 | 8.27 | 11.03 | SI | NO | NO |
| CC0030 | 257832.2 | 4175300.0 | Pockmark | 0.67 | 8.26 | 9.85 | SI | NO | NO |
| CC0031 | 257856.6 | 4175363.4 | Pockmark | 0.65 | 3.15 | 6.68 | SI | NO | NO |
| CC0032 | 257848.7 | 4175361.1 | Pockmark | 0.74 | 3.54 | 4.73 | SI | NO | NO |
| CC0033 | 257712.8 | 4175576.4 | Pockmark | 0.77 | 7.87 | 9.05 | SI | NO | NO |
| CC0034 | 257726.2 | 4175553.1 | Pockmark | 1.09 | 6.35 | 9.04 | SI | NO | NO |
| CC0035 | 257979.3 | 4175444.8 | Pockmark | 1.02 | 6.69 | 9.44 | SI | NO | NO |
| CC0036 | 257857.4 | 4175663.4 | Pockmark | 0.63 | 6.29 | 9.43 | SI | NO | NO |
| CC0037 | 258080.3 | 4175536.7 | Pockmark | 1.04 | 7.49 | 9.82 | SI | NO | NO |
| CC0038 | 257873.6 | 4175595.0 | Pockmark | 0.50 | 8.27 | 10.22 | SI | NO | NO |
| CC0039 | 257927.8 | 4175611.7 | Pockmark | 0.54 | 8.27 | 9.04 | SI | NO | NO |
| CC0040 | 257639.6 | 4175362.0 | Pockmark | 0.66 | 4.33 | 10.64 | SI | NO | NO |
| CC0041 | 257553.9 | 4175357.6 | Pockmark | 0.88 | 6.69 | 10.62 | SI | NO | NO |
| CC0042 | 257527.8 | 4175647.6 | Pockmark | 0.56 | 5.92 | 8.29 | SI | NO | NO |
| CC0043 | 257845.0 | 4175475.3 | Pockmark | 0.38 | 5.13 | 8.26 | SI | NO | NO |
| CC0044 | 257829.6 | 4175377.6 | Pockmark | 0.84 | 5.92 | 7.90 | SI | NO | NO |
| CC0045 | 258184.6 | 4175527.5 | Pockmark | 0.53 | 7.09 | 9.82 | SI | NO | NO |
| CC0046 | 257646.2 | 4175706.2 | Pockmark | 0.49 | 9.04 | 10.61 | SI | NO | NO |
| CC0047 | 258074.2 | 4176299.1 | Pockmark | 0.55 | 6.31 | 11.40 | SI | NO | NO |
| CC0048 | 257936.2 | 4176333.2 | Pockmark | 0.75 | 6.70 | 10.61 | SI | NO | NO |
| CC0049 | 248826.9 | 4175662.2 | Pockmark | 1.33 | 9.36 | 10.05 | SI | NO | NO |
| CC0050 | 248952.0 | 4175682.3 | Pockmark | 0.76 | 11.03 | 11.01 | SI | NO | NO |

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larghezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|-----------------------|------------|---------------|---------------|------|-----|-----|
| CC0052 | 249160.3 | 4175865.6 | Masso | 0.65 | 8.70 | 4.70 | NO | NO | NO |
| CC0054 | 248871.1 | 4175951.6 | Pockmark | 0.55 | 12.60 | 12.19 | SI | NO | NO |
| CC0055 | 248914.0 | 4176216.9 | Pockmark | 1.03 | 9.83 | 9.44 | SI | NO | NO |
| CC0056 | 249031.9 | 4176004.2 | Pockmark | 0.81 | 11.81 | 14.15 | SI | NO | NO |
| CC0057 | 249150.6 | 4175995.6 | Masso | 1.81 | 8.40 | 4.30 | NO | NO | NO |
| CC0058 | 249200.2 | 4175992.6 | Pockmark | 0.39 | 13.51 | 15.06 | SI | NO | NO |
| CC0059 | 249149.0 | 4176272.2 | Pockmark | 0.66 | 9.85 | 8.65 | SI | NO | NO |
| CC0067 | 248468.9 | 4175670.9 | Masso | 0.47 | 5.10 | 2.00 | NO | NO | NO |
| CC0069 | 249292.3 | 4176325.1 | Pockmark | 0.78 | 14.23 | 13.89 | SI | NO | NO |
| CC0070 | 248788.0 | 4176212.7 | Masso | 1.15 | 3.54 | 4.34 | NO | NO | NO |
| CC0071 | 248993.9 | 4176664.1 | Pockmark | 0.62 | 12.88 | 13.18 | SI | NO | NO |
| CC0072 | 249017.4 | 4176387.7 | Pockmark | 0.34 | 5.53 | 5.11 | SI | NO | NO |
| CC0075 | 255229.2 | 4176168.7 | Masso con debris | 0.59 | 10.00 | 4.60 | SI | NO | NO |
| CC0081 | 256294.5 | 4175760.8 | Masso | 0.45 | 3.95 | 1.96 | NO | NO | NO |
| CC0084 | 262258.5 | 4178305.7 | Masso | 0.99 | 5.50 | 2.80 | SI | NO | NO |
| CC0087 | 263589.1 | 4178326.2 | Masso | 2.56 | 3.56 | 3.14 | NO | NO | NO |
| CC0089 | 263869.3 | 4178595.1 | Masso | 1.57 | 11.70 | 4.90 | SI | NO | NO |
| CC0091 | 265172.7 | 4179220.7 | Masso | 1.13 | 5.12 | 5.11 | NO | NO | NO |
| CC0101 | 252423.2 | 4171752.8 | Affioramento roccioso | 0.34 | 6.32 | 3.14 | NO | NO | NO |
| CC0103 | 251459.0 | 4175780.6 | Affioramento roccioso | 0.73 | 6.32 | 2.75 | SI | NO | NO |
| CC0104 | 269909.0 | 4181021.3 | Depressione | 5.05 | 33.66 | 36.23 | SI | NO | NO |
| CC0105 | 269927.0 | 4180903.5 | Depressione | 4.10 | 23.66 | 24.51 | SI | NO | NO |
| CC0106 | 269993.1 | 4180941.6 | Depressione | 4.83 | 24.24 | 29.56 | SI | NO | NO |
| CC0107 | 270017.8 | 4180926.3 | Depressione | 3.17 | 15.42 | 18.47 | SI | NO | NO |
| CC0109 | 267999.0 | 4180163.4 | Masso con debris | 3.28 | 19.90 | 9.50 | SI | NO | NO |

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larghezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|-------------|------------|---------------|---------------|------|-----|-------------|
| CC0110 | 267773.7 | 4180131.8 | Depressione | 3.56 | 28.33 | 29.86 | SI | NO | NO |
| CC0111 | 268085.5 | 4179909.3 | Depressione | 3.77 | 13.40 | 16.51 | SI | NO | NO |
| CC0112 | 268587.5 | 4180261.3 | Depressione | 6.43 | 44.02 | 20.48 | SI | NO | NO |
| CC0113 | 268820.4 | 4180106.4 | Depressione | 6.25 | 13.42 | 19.26 | SI | NO | NO |
| CC0114 | 264564.5 | 4179208.3 | Depressione | 5.12 | 49.10 | 68.04 | SI | NO | NO |
| CC0115 | 264697.7 | 4179220.7 | Depressione | 2.99 | 55.93 | 61.89 | SI | NO | NO |
| CC0116 | 264691.4 | 4178926.2 | Depressione | 4.17 | 32.29 | 33.79 | SI | NO | NO |
| CC0117 | 264685.8 | 4178977.8 | Depressione | 2.76 | 38.02 | 36.58 | SI | NO | NO |
| CC0118 | 264677.2 | 4179027.2 | Depressione | 1.88 | 24.05 | 26.34 | SI | NO | NO |
| CC0119 | 264681.6 | 4179071.6 | Depressione | 2.08 | 28.78 | 29.51 | SI | NO | NO |
| CC0120 | 263797.6 | 4178937.8 | Depressione | 2.38 | 74.12 | 66.43 | SI | NO | NO |
| CC0124 | 249324.3 | 4176436.2 | Pockmark | 0.49 | 17.39 | 13.36 | SI | NO | NO |
| CC0125 | 249185.6 | 4176443.7 | Pockmark | 0.60 | 10.42 | 9.46 | SI | NO | NO |
| CC0126 | 249176.8 | 4176215.4 | Pockmark | 0.54 | 9.87 | 7.87 | SI | NO | NO |
| CC0127 | 249304.2 | 4175975.3 | Pockmark | 0.51 | 20.02 | 14.04 | SI | NO | NO |
| CC0128 | 249457.5 | 4176340.9 | Pockmark | 0.52 | 16.17 | 12.54 | SI | NO | NO |
| CC0129 | 249431.5 | 4175863.2 | Pockmark | 0.45 | 20.79 | 16.11 | SI | NO | NO |
| CC0130 | 249192.7 | 4175796.6 | Pockmark | 0.59 | 9.96 | 8.65 | SI | NO | NO |
| CC0131 | 245416.7 | 4174226.4 | Pockmark | 0.86 | 13.92 | 11.82 | SI | NO | NO |
| CC0133 | 258182.3 | 4175860.9 | Pockmark | 0.84 | 9.06 | 11.79 | SI | NO | H21E_07_T01 |
| CC0134 | 257811.0 | 4175884.4 | Pockmark | 0.62 | 10.62 | 10.22 | SI | NO | NO |

A.2 Targets sul SSS nel Sito Principale

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larhezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|------------------|------------|---------------|--------------|------|--------------|-------------|
| CM0001 | 243212.9 | 4172421.5 | Relitto sommerso | 6.21 | 102.98 | 22.47 | SI | MM072. MM073 | H21S_04_T01 |
| CM0002 | 244782.8 | 4170483.3 | Pockmark | 0.71 | 7.88 | 7.87 | SI | NO | NO |
| CM0003 | 244541.8 | 4170285.0 | Pockmark | 0.38 | 5.11 | 6.68 | SI | NO | NO |
| CM0004 | 244612.4 | 4170325.0 | Pockmark | 0.38 | 2.78 | 4.32 | SI | NO | NO |
| CM0005 | 244678.1 | 4170431.3 | Pockmark | 0.75 | 6.70 | 7.86 | SI | NO | NO |
| CM0006 | 244232.9 | 4170475.8 | Pockmark | 0.45 | 7.48 | 5.11 | SI | NO | NO |
| CM0007 | 244327.2 | 4170520.7 | Pockmark | 0.58 | 6.69 | 7.51 | SI | NO | NO |
| CM0008 | 244594.7 | 4170389.1 | Pockmark | 0.71 | 8.30 | 7.47 | SI | NO | NO |
| CM0009 | 244668.0 | 4170535.8 | Pockmark | 0.76 | 6.69 | 7.48 | SI | NO | NO |
| CM0010 | 244512.5 | 4170657.6 | Pockmark | 0.95 | 3.95 | 6.34 | SI | NO | NO |
| CM0011 | 244341.6 | 4170321.1 | Pockmark | 0.42 | 7.10 | 7.08 | SI | NO | NO |
| CM0012 | 244381.6 | 4170341.2 | Pockmark | 0.44 | 8.74 | 7.12 | SI | NO | NO |
| CM0013 | 244424.9 | 4170332.6 | Pockmark | 0.56 | 6.30 | 7.87 | SI | NO | NO |
| CM0014 | 244442.9 | 4170400.1 | Pockmark | 0.29 | 5.51 | 5.11 | SI | NO | NO |
| CM0015 | 244464.3 | 4170453.4 | Pockmark | 0.37 | 6.73 | 4.73 | SI | NO | NO |
| CM0016 | 244511.2 | 4170424.0 | Pockmark | 0.41 | 7.72 | 6.48 | SI | NO | NO |
| CM0017 | 244589.2 | 4170210.6 | Pockmark | 0.48 | 4.02 | 6.30 | SI | NO | NO |
| CM0018 | 244576.1 | 4170120.5 | Pockmark | 0.39 | 7.48 | 7.08 | SI | NO | NO |
| CM0019 | 244620.4 | 4170131.5 | Pockmark | 0.41 | 6.73 | 6.69 | SI | NO | NO |
| CM0020 | 244696.3 | 4170190.7 | Pockmark | 0.52 | 6.69 | 6.30 | SI | NO | NO |
| CM0021 | 244761.3 | 4170351.0 | Pockmark | 0.60 | 7.08 | 7.07 | SI | NO | NO |
| CM0022 | 244605.6 | 4170510.0 | Pockmark | 0.78 | 7.52 | 9.05 | SI | NO | NO |
| CM0023 | 244562.2 | 4170531.4 | Pockmark | 0.47 | 6.70 | 6.68 | SI | NO | NO |
| CM0024 | 244534.9 | 4170544.3 | Pockmark | 0.47 | 6.69 | 6.29 | SI | NO | NO |

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larhezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|-------------|------------|---------------|--------------|------|-----|-------------|
| CM0025 | 244534.3 | 4170669.9 | Pockmark | 1.09 | 10.24 | 8.64 | SI | NO | NO |
| CM0026 | 244337.6 | 4170833.2 | Pockmark | 0.79 | 7.91 | 8.68 | SI | NO | NO |
| CM0027 | 244492.9 | 4170909.7 | Pockmark | 0.71 | 6.31 | 6.69 | SI | NO | NO |
| CM0028 | 244367.4 | 4170795.4 | Pockmark | 1.03 | 6.73 | 8.98 | SI | NO | H21S_05_T01 |
| CM0029 | 244614.1 | 4171060.1 | Pockmark | 1.18 | 9.06 | 10.62 | SI | NO | NO |
| CM0030 | 244619.4 | 4171126.5 | Pockmark | 0.97 | 12.19 | 12.19 | SI | NO | NO |
| CM0031 | 244725.8 | 4171031.8 | Pockmark | 0.80 | 8.34 | 9.50 | SI | NO | NO |
| CM0032 | 244230.5 | 4170668.2 | Pockmark | 0.78 | 7.52 | 9.07 | SI | NO | NO |
| CM0033 | 244395.7 | 4170450.4 | Pockmark | 0.46 | 5.18 | 6.29 | SI | NO | NO |
| CM0034 | 244333.0 | 4170420.0 | Pockmark | 0.47 | 3.15 | 3.54 | SI | NO | NO |
| CM0035 | 244370.1 | 4170699.2 | Pockmark | 0.56 | 7.13 | 6.34 | SI | NO | NO |
| CM0036 | 244468.0 | 4170746.6 | Pockmark | 0.71 | 9.05 | 8.26 | SI | NO | NO |
| CM0037 | 244264.6 | 4171015.6 | Pockmark | 0.79 | 8.67 | 8.26 | SI | NO | NO |
| CM0038 | 244219.8 | 4170992.2 | Pockmark | 0.55 | 9.46 | 9.43 | SI | NO | H21S_05_T02 |
| CM0039 | 244235.8 | 4171067.2 | Pockmark | 0.74 | 12.23 | 11.79 | SI | NO | NO |
| CM0040 | 244191.3 | 4171031.4 | Pockmark | 0.72 | 10.62 | 8.64 | SI | NO | H21S_05_T02 |
| CM0041 | 244046.8 | 4171273.5 | Pockmark | 0.81 | 11.14 | 12.57 | SI | NO | NO |
| CM0042 | 244153.1 | 4171344.3 | Pockmark | 0.93 | 11.05 | 11.81 | SI | NO | H21S_05_T01 |
| CM0043 | 244157.5 | 4171365.6 | Pockmark | 0.78 | 9.06 | 9.83 | SI | NO | H21S_05_T01 |
| CM0044 | 244172.9 | 4171391.2 | Pockmark | 0.87 | 11.48 | 12.19 | SI | NO | H21S_05_T01 |
| CM0045 | 243991.5 | 4170819.4 | Pockmark | 0.85 | 9.52 | 8.65 | SI | NO | NO |
| CM0046 | 243877.1 | 4170976.9 | Pockmark | 0.23 | 5.57 | 4.32 | SI | NO | NO |
| CM0047 | 243951.9 | 4171744.8 | Pockmark | 0.87 | 10.30 | 10.73 | SI | NO | NO |
| CM0048 | 243945.8 | 4171595.7 | Pockmark | 0.79 | 6.35 | 5.63 | SI | NO | NO |
| CM0049 | 239478.5 | 4167055.2 | Pockmark | 2.73 | 7.80 | 5.40 | SI | NO | NO |

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larhezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|-----------------------|------------|---------------|--------------|------|-----|-------------|
| CM0050 | 239483.9 | 4167109.5 | Pockmark | 1.96 | 10.62 | 13.75 | SI | NO | NO |
| CM0051 | 238779.2 | 4168004.2 | Pockmark | 1.64 | 16.94 | 15.76 | SI | NO | H21S_13_T01 |
| CM0052 | 239361.7 | 4168449.0 | Pockmark | 0.85 | 10.22 | 10.64 | SI | NO | NO |
| CM0053 | 242208.8 | 4167598.7 | Masso | 1.73 | 3.54 | 5.50 | NO | NO | NO |
| CM0054 | 242029.1 | 4167414.0 | Masso | 0.16 | 3.56 | 3.14 | NO | NO | NO |
| CM0055 | 244189.3 | 4170807.4 | Pockmark | 1.21 | 7.04 | 6.11 | SI | NO | NO |
| CM0056 | 244347.8 | 4170737.0 | Pockmark | 1.00 | 8.27 | 5.91 | SI | NO | NO |
| CM0057 | 244017.0 | 4170725.3 | Pockmark | 0.64 | 9.44 | 7.07 | SI | NO | NO |
| CM0058 | 244144.0 | 4170802.1 | Pockmark | 0.99 | 6.71 | 6.34 | SI | NO | NO |
| CM0059 | 244347.0 | 4170638.3 | Pockmark | 0.90 | 10.31 | 9.04 | SI | NO | NO |
| CM0060 | 244287.1 | 4170843.7 | Pockmark | 2.47 | 5.57 | 6.10 | SI | NO | NO |
| CM0061 | 244168.5 | 4170629.8 | Pockmark | 0.50 | 6.31 | 7.47 | SI | NO | NO |
| CM0062 | 244108.7 | 4170585.4 | Pockmark | 0.55 | 8.30 | 6.30 | SI | NO | NO |
| CM0063 | 244237.3 | 4170786.6 | Pockmark | 0.27 | 9.52 | 7.48 | SI | NO | NO |
| CM0064 | 243947.6 | 4171217.5 | Pockmark | 0.53 | 11.03 | 5.89 | SI | NO | NO |
| CM0065 | 244132.3 | 4170691.2 | Pockmark | 0.61 | 7.48 | 8.34 | SI | NO | NO |
| CM0066 | 243739.6 | 4171165.3 | Affioramento roccioso | 1.02 | 10.63 | 5.50 | SI | NO | NO |
| CM0067 | 243761.9 | 4171214.6 | Affioramento roccioso | 2.17 | 8.66 | 18.09 | SI | NO | NO |
| CM0068 | 243896.4 | 4171363.8 | Pockmark | 0.80 | 9.86 | 9.44 | SI | NO | NO |
| CM0069 | 243986.8 | 4171519.4 | Masso | 0.82 | 9.44 | 6.69 | SI | NO | NO |
| CM0071 | 244191.8 | 4171619.9 | Pockmark | 0.37 | 6.73 | 3.93 | SI | NO | NO |
| CM0072 | 241479.3 | 4170973.1 | Masso | 0.88 | 8.70 | 5.52 | SI | NO | NO |
| CM0073 | 241591.5 | 4170699.6 | Masso | 0.72 | 8.66 | 7.07 | SI | NO | NO |
| CM0074 | 241623.3 | 4170585.1 | Masso | 1.04 | 5.73 | 2.86 | SI | NO | NO |
| CM0075 | 241749.7 | 4170537.3 | Masso | 0.71 | 5.91 | 5.50 | SI | NO | NO |

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larhezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|-------------|------------|---------------|--------------|------|-----|-----|
| CM0076 | 241898.1 | 4169906.2 | Pockmark | 0.58 | 9.51 | 9.85 | SI | NO | NO |
| CM0077 | 242094.8 | 4169791.3 | Pockmark | 0.55 | 7.09 | 7.47 | SI | NO | NO |
| CM0078 | 242090.6 | 4169768.4 | Pockmark | 0.52 | 9.14 | 4.72 | SI | NO | NO |
| CM0079 | 242312.5 | 4170084.3 | Masso | 0.53 | 3.60 | 3.10 | NO | NO | NO |
| CM0080 | 242239.9 | 4169462.7 | Pockmark | 0.37 | 5.91 | 8.26 | SI | NO | NO |
| CM0081 | 242388.8 | 4169661.2 | Pockmark | 0.75 | 7.49 | 9.04 | SI | NO | NO |
| CM0082 | 242269.9 | 4169566.3 | Pockmark | 0.58 | 6.29 | 6.30 | SI | NO | NO |
| CM0083 | 242315.7 | 4169688.2 | Pockmark | 0.52 | 8.67 | 8.25 | SI | NO | NO |
| CM0084 | 242369.4 | 4169601.6 | Pockmark | 0.99 | 7.86 | 7.48 | SI | NO | NO |
| CM0085 | 242345.8 | 4169580.4 | Pockmark | 0.67 | 4.72 | 7.48 | SI | NO | NO |
| CM0087 | 242564.2 | 4169326.1 | Masso | 0.61 | 6.30 | 3.95 | NO | NO | NO |
| CM0088 | 242553.8 | 4169422.9 | Masso | 0.24 | 4.73 | 2.75 | NO | NO | NO |
| CM0089 | 242082.0 | 4169539.1 | Pockmark | 0.80 | 6.34 | 6.29 | SI | NO | NO |
| CM0090 | 242200.9 | 4169693.7 | Pockmark | 0.67 | 6.29 | 7.86 | SI | NO | NO |
| CM0091 | 242154.8 | 4169621.5 | Pockmark | 0.84 | 5.50 | 7.51 | SI | NO | NO |
| CM0092 | 242252.4 | 4169762.7 | Pockmark | 0.54 | 6.29 | 5.50 | SI | NO | NO |
| CM0093 | 242295.5 | 4169834.8 | Pockmark | 0.40 | 5.17 | 4.72 | SI | NO | NO |
| CM0094 | 242359.4 | 4169495.6 | Pockmark | 0.62 | 6.30 | 6.69 | SI | NO | NO |
| CM0095 | 242309.7 | 4169444.2 | Pockmark | 0.77 | 7.25 | 6.30 | SI | NO | NO |
| CM0096 | 242305.7 | 4169409.6 | Pockmark | 0.60 | 8.69 | 9.83 | SI | NO | NO |
| CM0097 | 242048.5 | 4169631.4 | Pockmark | 0.52 | 10.24 | 9.04 | SI | NO | NO |
| CM0098 | 242231.1 | 4169839.0 | Pockmark | 0.53 | 8.67 | 6.69 | SI | NO | NO |
| CM0099 | 242268.1 | 4169893.3 | Pockmark | 0.59 | 8.30 | 9.43 | SI | NO | NO |
| CM0100 | 242288.9 | 4169920.3 | Pockmark | 0.51 | 8.69 | 9.43 | SI | NO | NO |
| CM0101 | 242333.1 | 4169814.2 | Pockmark | 1.01 | 9.06 | 9.43 | SI | NO | NO |

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larhezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|-------------|------------|---------------|--------------|------|-----|-------------|
| CM0102 | 242225.7 | 4169641.6 | Pockmark | 1.63 | 6.70 | 11.03 | SI | NO | NO |
| CM0103 | 242233.4 | 4169104.2 | Pockmark | 0.74 | 5.51 | 5.89 | SI | NO | NO |
| CM0104 | 242195.5 | 4168946.8 | Pockmark | 0.42 | 7.53 | 5.89 | SI | NO | NO |
| CM0105 | 242092.8 | 4168839.5 | Pockmark | 0.67 | 8.26 | 7.47 | SI | NO | NO |
| CM0106 | 241817.0 | 4168593.0 | Pockmark | 0.66 | 6.69 | 9.07 | SI | NO | NO |
| CM0107 | 241868.6 | 4168680.7 | Pockmark | 0.63 | 7.87 | 8.34 | SI | NO | NO |
| CM0108 | 241961.4 | 4168724.6 | Pockmark | 0.48 | 4.73 | 6.30 | SI | NO | NO |
| CM0112 | 239016.2 | 4166989.8 | Pockmark | 1.19 | 17.06 | 14.04 | SI | NO | NO |
| CM0122 | 238107.5 | 4166480.3 | Masso | 1.73 | 16.30 | 7.00 | SI | NO | NO |
| CM0123 | 239561.5 | 4166686.1 | Masso | 0.84 | 5.95 | 2.75 | NO | NO | NO |
| CM0126 | 234415.3 | 4166930.6 | Masso | 0.38 | 4.13 | 1.65 | NO | NO | NO |
| CM0129 | 236676.2 | 4167971.9 | Masso | 2.62 | 9.40 | 10.70 | SI | NO | NO |
| CM0130 | 236475.8 | 4167894.5 | Masso | 1.07 | 12.10 | 5.70 | SI | NO | NO |
| CM0137 | 238747.4 | 4167297.6 | Pockmark | 0.97 | 22.85 | 15.12 | SI | NO | H21S_06_T01 |
| CM0138 | 239184.1 | 4166381.3 | Pockmark | 0.51 | 9.46 | 8.29 | SI | NO | NO |
| CM0139 | 239377.0 | 4166544.1 | Masso | 0.36 | 3.70 | 1.23 | NO | NO | NO |
| CM0140 | 239300.2 | 4166485.7 | Pockmark | 0.47 | 11.80 | 9.83 | SI | NO | NO |
| CM0141 | 239227.1 | 4166514.5 | Pockmark | 0.52 | 8.25 | 11.03 | SI | NO | NO |
| CM0142 | 239593.7 | 4166352.2 | Pockmark | 0.31 | 8.74 | 7.47 | SI | NO | NO |
| CM0143 | 239664.2 | 4166422.2 | Pockmark | 0.52 | 9.44 | 10.22 | SI | NO | NO |
| CM0144 | 239629.1 | 4166490.1 | Pockmark | 0.51 | 6.70 | 5.50 | SI | NO | NO |
| CM0145 | 239690.6 | 4166562.4 | Masso | 0.39 | 5.09 | 1.52 | NO | NO | NO |
| CM0146 | 239593.0 | 4166756.7 | Masso | 0.30 | 3.64 | 0.99 | NO | NO | NO |
| CM0147 | 240010.6 | 4166664.3 | Pockmark | 0.66 | 9.05 | 9.83 | SI | NO | NO |
| CM0148 | 239930.4 | 4166544.6 | Pockmark | 0.51 | 8.66 | 7.90 | SI | NO | NO |

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larhezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|-------------|------------|---------------|--------------|------|-----|-----|
| CM0149 | 240704.0 | 4167088.5 | Pockmark | 0.40 | 7.88 | 9.05 | SI | NO | NO |
| CM0150 | 240030.6 | 4166413.2 | Pockmark | 0.60 | 6.31 | 6.30 | SI | NO | NO |
| CM0151 | 240193.3 | 4166756.2 | Pockmark | 0.59 | 7.48 | 6.68 | SI | NO | NO |
| CM0152 | 240254.0 | 4166744.1 | Pockmark | 0.62 | 5.50 | 4.45 | SI | NO | NO |
| CM0153 | 240067.7 | 4166568.6 | Pockmark | 0.53 | 6.21 | 6.84 | SI | NO | NO |
| CM0154 | 239909.8 | 4166416.1 | Pockmark | 0.58 | 11.03 | 9.43 | SI | NO | NO |
| CM0155 | 240313.0 | 4166605.6 | Pockmark | 0.58 | 7.08 | 7.47 | SI | NO | NO |
| CM0156 | 240272.1 | 4166556.0 | Pockmark | 0.56 | 6.68 | 8.64 | SI | NO | NO |
| CM0157 | 240238.4 | 4166541.9 | Pockmark | 0.46 | 5.95 | 9.44 | SI | NO | NO |
| CM0158 | 240430.8 | 4166672.2 | Pockmark | 0.69 | 13.17 | 3.79 | SI | NO | NO |
| CM0159 | 239243.1 | 4166626.8 | Pockmark | 0.85 | 9.46 | 10.22 | SI | NO | NO |
| CM0160 | 239791.1 | 4166463.0 | Pockmark | 0.39 | 2.09 | 2.93 | SI | NO | NO |
| CM0161 | 240692.3 | 4167005.6 | Pockmark | 0.60 | 7.88 | 9.82 | SI | NO | NO |
| CM0162 | 240762.5 | 4167032.6 | Masso | 0.41 | 2.09 | 1.05 | NO | NO | NO |
| CM0163 | 241714.9 | 4168478.1 | Pockmark | 0.56 | 6.73 | 8.25 | SI | NO | NO |
| CM0164 | 241326.3 | 4169785.7 | Pockmark | 1.46 | 8.30 | 10.25 | SI | NO | NO |
| CM0165 | 241852.2 | 4170096.0 | Pockmark | 0.92 | 9.12 | 7.74 | SI | NO | NO |
| CM0166 | 243788.6 | 4171707.9 | Pockmark | 0.66 | 7.86 | 8.64 | SI | NO | NO |
| CM0167 | 243732.7 | 4171550.2 | Pockmark | 0.48 | 7.91 | 6.29 | SI | NO | NO |
| CM0168 | 245497.8 | 4172161.1 | Pockmark | 0.85 | 11.09 | 14.17 | SI | NO | NO |
| CM0169 | 243634.4 | 4172521.6 | Pockmark | 0.65 | 9.43 | 9.04 | SI | NO | NO |
| CM0170 | 243420.2 | 4172619.0 | Pockmark | 0.98 | 9.49 | 8.26 | SI | NO | NO |
| CM0171 | 243382.3 | 4172691.4 | Pockmark | 0.63 | 4.73 | 7.07 | SI | NO | NO |
| CM0172 | 243388.3 | 4172665.2 | Pockmark | 0.26 | 5.12 | 4.32 | SI | NO | NO |
| CM0173 | 244009.2 | 4173286.2 | Pockmark | 0.39 | 3.56 | 5.52 | SI | NO | NO |

| Nome Target | Est (m) | Nord (m) | Descrizione | Altezza(m) | Lunghezza (m) | Larhezza (m) | MBES | MAG | ROV |
|-------------|----------|-----------|-------------|------------|---------------|--------------|------|-----|-----|
| CM0174 | 241216.0 | 4168157.6 | Pockmark | 0.71 | 9.44 | 12.99 | SI | NO | NO |

A.3 Targets sul Magnetometro lungo il corridoio ECC

| No. Target | Est (m) | Nord (m) | Numero Linea | Momento | Intensità | Durata | Descrizione | Commenti |
|------------|----------|-----------|--------------|----------|-----------|--------|-------------------------------------|----------|
| H21S-MC001 | 244330.7 | 4173187.8 | H21E-U03 | DIPOLE | 13 | 247 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC002 | 244771.8 | 4172226.7 | H21E-U12 | MONOPOLE | 5 | 107 | ignoto | |
| H21S-MC003 | 245051.8 | 4172518.6 | H21E-U12 | DIPOLE | 12 | 223 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC005 | 247554.9 | 4175279.8 | H21E-U06_1 | DIPOLE | 8 | 130 | ignoto | |
| H21S-MC006 | 247484.1 | 4175834.6 | H21E-U03_1 | COMPLEX | 3 | 98 | ignoto | |
| H21S-MC007 | 244059.3 | 4173364.8 | H21E-U07 | MONOPOLE | 14 | 241 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC023 | 247621.7 | 4176012.4 | H21E-U05_1 | MONOPOLE | 2 | 84 | ignoto | |
| H21S-MC045 | 257649.8 | 4176239.2 | H21E-U07_2 | MONOPOLE | 2 | 93 | Possibile cavo Trapani-Kelibia (?) | |
| H21S-MC055 | 251890.1 | 4176079.7 | H21E-U03_2A | MONOPOLE | 2 | 76 | ignoto | |
| H21S-MC061 | 244551.3 | 4173040.7 | H21E-U02 | MONOPOLE | 12 | 383 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC062 | 244946.4 | 4172641.7 | H21E-U10A | MONOPOLE | 11 | 192 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC063 | 244185.1 | 4173331.4 | H21E-U05 | MONOPOLE | 112 | 229 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC064 | 244833.5 | 4172750.6 | H21E-U08 | MONOPOLE | 10 | 149 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC065 | 244430.3 | 4173117.5 | H21E-U00 | MONOPOLE | 12 | 349 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC067 | 244746.1 | 4172835.6 | H21E-U06 | MONOPOLE | 11 | 254 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC069 | 245778.3 | 4173968.4 | H21E-U06 | MONOPOLE | 2 | 57 | ignoto | |
| H21S-MC071 | 243923.9 | 4173441.3 | H21E-U09 | MONOPOLE | 12 | 474 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC072 | 244588.1 | 4172957.5 | H21E-U04 | MONOPOLE | 13 | 250 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC077 | 243597.8 | 4173619.1 | H21E-U13 | MONOPOLE | 12 | 450 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC078 | 243922.4 | 4173407.3 | H21E-U07A | MONOPOLE | 13 | 223 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC079 | 243726.2 | 4173600.3 | H21E-U11 | MONOPOLE | 13 | 456 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MC091 | 263909.8 | 4178425.0 | H21E-U04_3 | MONOPOLE | 2 | 88.6 | ignoto | |
| H21S-MC092 | 267071.7 | 4180291.3 | H21E-UX13 | MONOPOLE | 4 | 179 | ignoto | |
| H21S-MC097 | 250942.2 | 4175500.7 | H21E-U06_2 | DIPOLE | 2 | 172 | ignoto | |

| No. Target | Est (m) | Nord (m) | Numero Linea | Momento | Intensità | Durata | Descrizione | Commenti |
|------------|----------|-----------|--------------|----------|-----------|--------|-------------|----------|
| H21S-MC100 | 261440.4 | 4177767.2 | H21E-U03_3 | MONOPOLE | 4 | 825 | ignoto | |
| H21S-MC101 | 260917.6 | 4177023.5 | H21E-U04_3A | MONOPOLE | 2 | 37 | ignoto | |
| H21S-MC110 | 272374.8 | 4182569.8 | H21E-A03_6A | MONOPOLE | 10 | 12 | ignoto | |
| H21S-MC111 | 272347.6 | 4182565.2 | H21E-A03_6A | MONOPOLE | 11 | 12 | ignoto | |
| H21S-MC112 | 272172.1 | 4182536.5 | H21E-A03_6A | MONOPOLE | 12 | 9 | ignoto | |
| H21S-MC113 | 272498.9 | 4182661.9 | H21E-U05_6 | MONOPOLE | 12 | 12 | ignoto | |
| H21S-MC114 | 271875.7 | 4182564.0 | H21E-U05_6 | MONOPOLE | 17 | 12 | ignoto | |
| H21S-MC120 | 273628.6 | 4182877.2 | H21E_U01_4 | MONOPOLE | 32 | 28 | ignoto | |
| H21S-MC121 | 274160.1 | 4183192.1 | H21E_U01_5 | MONOPOLE | 16 | 15 | ignoto | |
| H21S-MC122 | 274283.9 | 4183308.6 | H21E_U01_5 | MONOPOLE | 35 | 15 | ignoto | |
| H21S-MC123 | 273041.9 | 4182588.9 | H21E-U01_6 | MONOPOLE | 34 | 37 | ignoto | |
| H21S-MC124 | 274145.6 | 4183251.8 | H21E-U34 | MONOPOLE | 3 | 13 | ignoto | |

A.4 Targets sul Magnetometro nel Sito Principale

| No. Target | Est (m) | Nord (m) | Numero Linea | Momento | Intensità | Durata | Descrizione | Commenti |
|------------|----------|-----------|--------------|----------|-----------|--------|---------------------------|---------------------|
| H21S-MM001 | 239028.6 | 4169691.8 | H21S-U49 | DIPOLE | 13 | 140 | cavo alexandria palermor | |
| H21S-MM002 | 234925.1 | 4165117.3 | H21S-U49 | DIPOLE | 39 | 278 | Cavo | Cavo esposto su SSS |
| H21S-MM003 | 233547.2 | 4163579.7 | H21S-U49 | MONOPOLE | 6 | 76 | cavo smw2 seg 5 | |
| H21S-MM004 | 234959.5 | 4162304.4 | H21S-U27 | MONOPOLE | 2 | 49 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM005 | 236381.5 | 4163877.5 | H21S-U27 | DIPOLE | 51 | 87 | cavo | |
| H21S-MM006 | 240563.5 | 4168586.5 | H21S-U27 | DIPOLE | 12 | 159 | cavo alexandria palermo | |
| H21S-MM008 | 245504.0 | 4170551.8 | H21S-U01A | DIPOLE | 4 | 30 | cavo | |
| H21S-MM009 | 242559.2 | 4167305.9 | H21S-U01A | DIPOLE | 8 | 121 | cavo alexandria palermo | |
| H21S-MM010 | 239845.9 | 4164301.9 | H21S-U01A | MONOPOLE | 3 | 44 | ignoto | |
| H21S-MM011 | 238450.4 | 4162745.6 | H21S-U01A | DIPOLE | 1 | 41 | ignoto | |
| H21S-MM012 | 238153.6 | 4162411.9 | H21S-U01A | DIPOLE | 14 | 119 | cavo | |
| H21S-MM015 | 236021.8 | 4161391.0 | H21S-U11A | MONOPOLE | 24 | 62 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM016 | 237741.4 | 4162754.0 | H21S-U07A | DIPOLE | 6 | 313 | cavo | |
| H21S-MM017 | 242102.0 | 4167583.4 | H21S-U07A | DIPOLE | 19 | 208 | cavo alexandria palermo | |
| H21S-MM018 | 237461.6 | 4162981.8 | H21S-U11A | DIPOLE | 56 | 146 | cavo | |
| H21S-MM021 | 244322.9 | 4171351.5 | H21S-U17A | DIPOLE | 2 | 65 | Cavo Artemis | Cavo esposto su SSS |
| H21S-MM022 | 241373.1 | 4168082.6 | H21S-U17A | DIPOLE | 12 | 100 | cavo alexandria - palermo | |
| H21S-MM023 | 237064.0 | 4163326.9 | H21S-U17A | DIPOLE | 13 | 101 | cavo | |
| H21S-MM024 | 235635.5 | 4161735.4 | H21S-U17A | MONOPOLE | 71 | 115 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM025 | 239624.2 | 4169256.5 | H21S-U41 | DIPOLE | 12 | 312 | cavo alexandria palermo | |
| H21S-MM026 | 235513.3 | 4164653.3 | H21S-U41 | DIPOLE | 51 | 287 | cavo | |
| H21S-MM027 | 234694.5 | 4162487.5 | H21S-U31 | DIPOLE | 140 | 161 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM028 | 236102.0 | 4164051.3 | H21S-U31 | COMPLEX | 155 | 228 | cavo | |
| H21S-MM029 | 240332.3 | 4168761.3 | H21S-U31 | DIPOLE | 6 | 223 | cavo alexandria palermo | |

| No. Target | Est (m) | Nord (m) | Numero Linea | Momento | Intensità | Durata | Descrizione | Commenti |
|------------|-----------|-----------|--------------|----------|-----------|--------|---|---------------------|
| H21S-MM030 | 238207.5 | 4166395.5 | H21S-U31 | DIPOLE | 13 | 136 | ignoto | |
| H21S-MM031 | 234196.9 | 4162979.9 | H21S-U39 | MONOPOLE | 5 | 119 | cavo smw2 seg 5 | |
| H21S-MM032 | 238763.4 | 4169862.9 | H21S-U53 | DIPOLE | 10 | 479 | cavo alexandria palermo | |
| H21S-MM033 | 234649.0 | 4165368.8 | H21S-U53 | DIPOLE | 14 | 471 | cavo | |
| H21S-MM034 | 233263.1 | 4163830.3 | H21S-U53 | MONOPOLE | 3 | 135 | cavo | |
| H21S-MM035 | 235594.1 | 4164545.6 | H21S-U39 | DIPOLE | 30 | 351 | cavo | |
| H21S-MM036 | 239357.3 | 4169458.7 | H21S-U45 | MONOPOLE | 10 | 325 | cavo alexandria palermo | |
| H21S-MM037 | 235254.02 | 4164875.6 | H21S-U45 | MONOPOLE | 25 | 326 | cavo | Cavo esposto su SSS |
| H21S-MM038 | 233847.3 | 4163321.2 | H21S-U45 | MONOPOLE | 4 | 140 | cavo smw2 seg 5 | |
| H21S-MM039 | 232350.6 | 4164563.8 | H21S-U67 | DIPOLE | 4 | 102 | cavo smw2 seg 5 | |
| H21S-MM040 | 233720.1 | 4166122.4 | H21S-U67 | DIPOLE | 11 | 222 | cavo | |
| H21S-MM043 | 238367.2 | 4168580.1 | H21S-U14 | MONOPOLE | 2 | 74 | ignoto | |
| H21S-MM044 | 238635.9 | 4164356.0 | H21S-U20 | MONOPOLE | 2 | 77 | ignoto | |
| H21S-MM050 | 238578.9 | 4165741.3 | H21S-U18 | DIPOLE | 37 | 340 | Detrito antropico /possibile testa di pozzo abbandonata | Vicino RM03/RM 04 |
| H21S-MM051 | 240179.5 | 4165458.8 | H21S-U07A | MONOPOLE | 3 | 349 | ignoto | |
| H21S-MM052 | 233347.8 | 4166431.8 | H21S-U73A | DIPOLE | 21 | 187 | cavo | Cavo esposto su SSS |
| H21S-MM054 | 231990.1 | 4164925.9 | H21S-U73A | MONOPOLE | 3 | 127 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM055 | 232624.7 | 4164371.8 | H21S-U63A | MONOPOLE | 3.8 | 151 | cavo smw2 seg 5 | |
| H21S-MM056 | 234001.9 | 4165911.4 | H21S-U63A | DIPOLE | 21 | 223 | cavo | |
| H21S-MM057 | 235931.8 | 4168073.0 | H21S-U63A | MONOPOLE | 4 | 56 | ignoto | |
| H21S-MM058 | 232435.8 | 4164514.0 | H21S-U65A | MONOPOLE | 4 | 113 | cavo smw2 seg 5 | |
| H21S-MM059 | 233821.6 | 4166054.8 | H21S-U65A | DIPOLE | 14 | 185 | cavo | Cavo esposto su SSS |
| H21S-MM060 | 233255.3 | 4166535.6 | H21S-U75A | DIPOLE | 13 | 226 | cavo | Cavo esposto su SSS |
| H21S-MM061 | 231893.1 | 4165036.2 | H21S-U75A | MONOPOLE | 3 | 92 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM062 | 234311.4 | 4165676.8 | H21S-U59_1 | DIPOLE | 20 | 321 | cavo | |

| No. Target | Est (m) | Nord (m) | Numero Linea | Momento | Intensità | Durata | Descrizione | Commenti |
|------------|----------|-----------|--------------|----------|-----------|--------|---------------------------|---------------------|
| H21S-MM063 | 232914.9 | 4164131.6 | H21S-U59_1 | MONOPOLE | 3 | 95 | cavo smw2 seg 5 | |
| H21S-MM064 | 232092.6 | 4164815.2 | H21S-U71 | MONOPOLE | 12 | 71 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM065 | 233459.3 | 4166352.0 | H21S-U71 | DIPOLE | 13 | 256 | cavo | Cavo esposto su SSS |
| H21S-MM066 | 236573.3 | 4160890.4 | H21S-U03_1 | MONOPOLE | 8 | 624 | cavo smw2 seg 5 | |
| H21S-MM067 | 238013.5 | 4162495.2 | H21S-U03_1 | DIPOLE | 16 | 256 | cavo | |
| H21S-MM068 | 242400.4 | 4167389.4 | H21S-U03_1 | DIPOLE | 17 | 223 | cavo alexandria - palermo | Cavo esposto su SSS |
| H21S-MM069 | 234477.4 | 4162730.9 | H21S-U35A | MONOPOLE | 13 | 77 | cavo smw2 seg 5 | |
| H21S-MM070 | 235881.1 | 4164294.6 | H21S-U35A | DIPOLE | 47 | 121 | cavo | |
| H21S-MM071 | 240009.9 | 4168959.9 | H21S-U35A | DIPOLE | 15 | 95 | cavo smw4 | |
| H21S-MM072 | 243147.5 | 4172431.1 | H21S-U35A | COMPLEX | 685 | 268 | relitto sommerso | RM10- CM001 |
| H21S-MM073 | 243124.4 | 4172361.4 | H21S-U02 | MONOPOLE | 214 | 310 | relitto sommerso | RM10 |
| H21S-MM074 | 238424.8 | 4170083.6 | H21S-U57B | DIPOLE | 12 | 347 | cavo alexandria palermo | Cavo esposto su SSS |
| H21S-MM075 | 234731.5 | 4165938.2 | H21S-U57B | MONOPOLE | 2 | 120 | ignoto | |
| H21S-MM076 | 234394.2 | 4165596.2 | H21S-U57B | DIPOLE | 14 | 250 | cavo | |
| H21S-MM077 | 233002.3 | 4164053.5 | H21S-U57B | MONOPOLE | 19 | 167 | cavo smw2 seg 5 | |
| H21S-MM078 | 232727.6 | 4164278.8 | H21S-U61A | MONOPOLE | 12 | 148 | cavo smw2 seg 5 | |
| H21S-MM079 | 234099.1 | 4165810.0 | H21S-U61A | DIPOLE | 22 | 206 | cavo | |
| H21S-MM080 | 233672.3 | 4166224.7 | H21S-U69A | DIPOLE | 13 | 223 | cavo | Cavo esposto su SSS |
| H21S-MM081 | 232272.7 | 4164681.6 | H21S-U69A | MONOPOLE | 6 | 106 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM082 | 231977.5 | 4164899.5 | H21S-73B | MONOPOLE | 32 | 178 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM083 | 233353.8 | 4166422.3 | H21S-73B | DIPOLE | 22 | 210 | cavo | Cavo esposto su SSS |
| H21S-MM084 | 238233.6 | 4170139.1 | H21S-U59A | MONOPOLE | 13 | 434 | cavo alexandria palermo | |
| H21S-MM085 | 240616.7 | 4172774.0 | H21S-U59A | MONOPOLE | 4 | 104 | ignoto | |
| H21S-MM086 | 232649.8 | 4164352.3 | H21S-U63B | MONOPOLE | 21 | 58 | cavo smw2 seg 5 | |
| H21S-MM087 | 233148.5 | 4163907.5 | H21S-U55A | MONOPOLE | 11 | 44 | cavo smw2 seg 5 | |

| No. Target | Est (m) | Nord (m) | Numero Linea | Momento | Intensità | Durata | Descrizione | Commenti |
|------------|----------|-----------|--------------|----------|-----------|--------|-------------------------------------|---------------------|
| H21S-MM088 | 234531.5 | 4165461.9 | H21S-U55A | DIPOLE | 16 | 142 | cavo | |
| H21S-MM089 | 233406.4 | 4163667.8 | H21S-U51A | MONOPOLE | 8 | 661 | cavo smw2 seg 5 | |
| H21S-MM090 | 234792.2 | 4165207.3 | H21S-U51A | DIPOLE | 28 | 373 | cavo | |
| H21S-MM091 | 238878.3 | 4169740.2 | H21S-U51A | DIPOLE | 8 | 484 | cavo alexandria palermo | |
| H21S-MM092 | 239181.7 | 4169568.0 | H21S-U47A | DIPOLE | 14 | 703 | cavo alexandria palermo | |
| H21S-MM093 | 235055.2 | 4164988.3 | H21S-U47A | DIPOLE | 20 | 710 | cavo | Cavo esposto su SSS |
| H21S-MM094 | 233649.9 | 4163426.1 | H21S-U47A | MONOPOLE | 16 | 315 | cavo smw2 seg 5 | |
| H21S-MM095 | 234843.7 | 4162421.5 | H21S-U29A | MONOPOLE | 2 | 168 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM096 | 236244.0 | 4163979.7 | H21S-U29A | DIPOLE | 16 | 294 | cavo | |
| H21S-MM097 | 244453.0 | 4173088.9 | H21S-U29C | DIPOLE | 17 | 329 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MM098 | 240469.7 | 4168692.8 | H21S-U29C | DIPOLE | 15 | 400 | cavo alexandria palermo | |
| H21S-MM099 | 236138.1 | 4164080.2 | H21S-U31A | MONOPOLE | 39 | 140 | cavo | |
| H21S-MM100 | 239747.3 | 4169145.0 | H21S-U39A | DIPOLE | 12 | 232 | cavo alexandria palermo | |
| H21S-MM101 | 243877.5 | 4173471.7 | H21S-U37A | DIPOLE | 12 | 207 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MM102 | 242935.8 | 4172435.4 | H21S-U37A | COMPLEX | 7 | 683 | possibile UXO / detrito antropico | Vicino RM07/RM 09 |
| H21S-MM103 | 239929.1 | 4169098.3 | H21S-U37A | DIPOLE | 12 | 323 | cavo alexandria palermo | |
| H21S-MM104 | 235775.9 | 4164451.5 | H21S-U37A | DIPOLE | 29 | 463 | cavo | |
| H21S-MM105 | 234327.7 | 4162857.8 | H21S-U37A | MONOPOLE | 7 | 580 | cavo smw2 seg 5 | |
| H21S-MM106 | 233937.6 | 4163219.1 | H21S-U43A | MONOPOLE | 4 | 84 | cavo smw2 seg 5 | |
| H21S-MM107 | 235326.1 | 4164766.4 | H21S-U43A | DIPOLE | 37 | 457 | cavo | |
| H21S-MM108 | 239436.1 | 4169366.5 | H21S-U43A | MONOPOLE | 12 | 404 | cavo alexandria palermo | |
| H21S-MM109 | 244212.2 | 4173296.2 | H21S-U33A | MONOPOLE | 13 | 350 | cavo SMW4 seg 4.1 (Alex-BU Palermo) | |
| H21S-MM110 | 243272.0 | 4172323.5 | H21S-U33A | DIPOLE | 116 | 644 | Relitto sommerso/ cavo Artemis | RM10 |

| No. Target | Est (m) | Nord (m) | Numero Linea | Momento | Intensità | Durata | Descrizione | Commenti |
|------------|----------|-----------|--------------|----------|-----------|--------|---|---------------------|
| H21S-MM111 | 240194.7 | 4168889.9 | H21S-U33A | DIPOLE | 11 | 270 | cavo alexandria palermo | |
| H21S-MM112 | 236031.0 | 4164221.8 | H21S-U33A | DIPOLE | 20 | 271 | cavo | |
| H21S-MM113 | 234599.5 | 4162660.4 | H21S-U33A | MONOPOLE | 11 | 161 | cavo smw2 seg 5 | |
| H21S-MM114 | 235239.5 | 4162047.1 | H21S-U23A | MONOPOLE | 15 | 56 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM115 | 236672.3 | 4163637.0 | H21S-U23A | DIPOLE | 32 | 109 | cavo | Cavo esposto su SSS |
| H21S-MM116 | 237037.1 | 4164047.0 | H21S-U23A | DIPOLE | 18 | 52 | ignoto | |
| H21S-MM117 | 238536.5 | 4165706.7 | H21S-U23A | MONOPOLE | 324 | 375 | Detrito antropico /possibile testa di pozzo | Vicino RM03/RM 04 |
| H21S-MM118 | 240904.1 | 4168371.0 | H21S-U23A | MONOPOLE | 13 | 99 | cavo alexandria palermo | |
| H21S-MM119 | 241558.1 | 4169084.1 | H21S-U23A | MONOPOLE | 2 | 57 | ignoto | |
| H21S-MM120 | 241725.7 | 4169261.3 | H21S-U23A | MONOPOLE | 4 | 63 | ignoto | |
| H21S-MM122 | 241249.3 | 4168180.3 | H21S-U19A | MONOPOLE | 12 | 541 | cavo alexandria palermo | |
| H21S-MM123 | 236941.1 | 4163422.6 | H21S-U19A | MONOPOLE | 25 | 187 | cavo | |
| H21S-MM124 | 235510.7 | 4161830.2 | H21S-U19A | MONOPOLE | 11 | 138 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM125 | 235106.6 | 4162168.4 | H21S-U25A | MONOPOLE | 7 | 72 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM126 | 236535.8 | 4163757.4 | H21S-U25A | MONOPOLE | 16 | 104 | cavo | Cavo esposto su SSS |
| H21S-MM127 | 240757.7 | 4168469.6 | H21S-U25A | MONOPOLE | 14 | 114 | cavo alexandria palermo | |
| H21S-MM129 | 241503.3 | 4167995.8 | H21S-U15A | DIPOLE | 11 | 304 | cavo alexandria palermo | |
| H21S-MM130 | 237220.1 | 4163200.5 | H21S-U15A | DIPOLE | 38 | 805 | cavo | |
| H21S-MM131 | 235787.3 | 4161600.9 | H21S-U15A | MONOPOLE | 7 | 320 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM132 | 241942.7 | 4167695.3 | H21S-U09A | MONOPOLE | 11 | 274 | cavo alexandria - palermo | |
| H21S-MM133 | 237608.8 | 4162855.1 | H21S-U09A | MONOPOLE | 29 | 355 | cavo | Cavo esposto su SSS |
| H21S-MM134 | 236174.8 | 4161255.7 | H21S-U09A | MONOPOLE | 5 | 105 | cavo smw2 seg 5 | Cavo esposto su SSS |
| H21S-MM136 | 241695.2 | 4167916.2 | H21S-U13A | MONOPOLE | 12 | 737 | cavo alexandria palermo | |
| H21S-MM137 | 237359.5 | 4163090.4 | H21S-U13A | DIPOLE | 15 | 580 | cavo | |
| H21S-MM138 | 235917.3 | 4161481.9 | H21S-U13A | MONOPOLE | 3 | 122 | cavo smw2 seg 5 | |

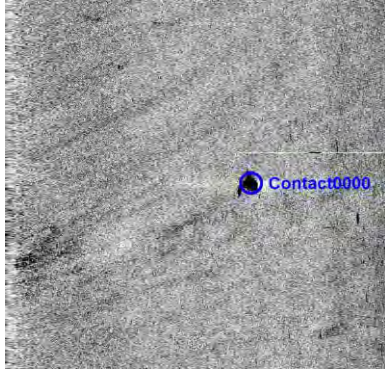
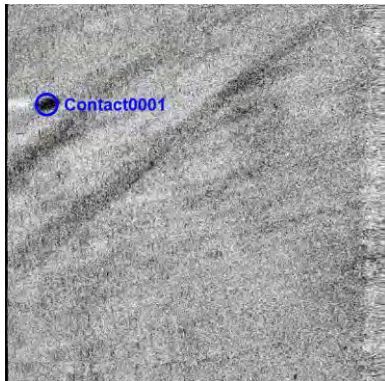
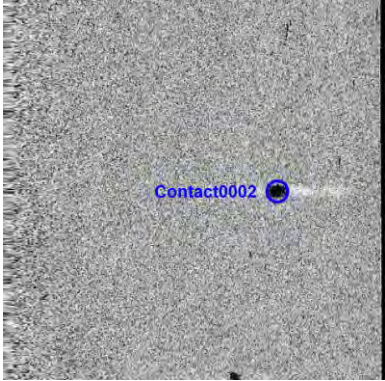
| No. Target | Est (m) | Nord (m) | Numero Linea | Momento | Intensità | Durata | Descrizione | Commenti |
|------------|----------|-----------|--------------|----------|-----------|--------|---------------------------|---------------------|
| H21S-MM139 | 236428.3 | 4161015.6 | H21S-U05A | MONOPOLE | 3 | 157 | cavo smw2 seg 5 | |
| H21S-MM140 | 237883.9 | 4162631.8 | H21S-U05A | DIPOLE | 19 | 328 | cavo | Cavo esposto su SSS |
| H21S-MM141 | 242228.7 | 4167476.2 | H21S-U05A | MONOPOLE | 11 | 324 | cavo alexandria - palermo | |
| H21S-MM142 | 235358.6 | 4161923.7 | H21S-U21A | MONOPOLE | 15 | 311 | cavo smw2 seg 5 | |
| H21S-MM143 | 236793.2 | 4163510.6 | H21S-U21A | DIPOLE | 14 | 165 | cavo | Cavo esposto su SSS |
| H21S-MM144 | 241054.4 | 4168262.3 | H21S-U21A | DIPOLE | 12 | 490 | cavo alexandria - palermo | |
| H21S-MM146 | 241825.4 | 4167789.5 | H21S-U11A_1 | MONOPOLE | 13 | 542 | cavo alexandria - palermo | |
| H21S-MM147 | 242548.9 | 4167306.6 | H21S-U01B | DIPOLE | 14 | 219 | cavo alexandria - palermo | |

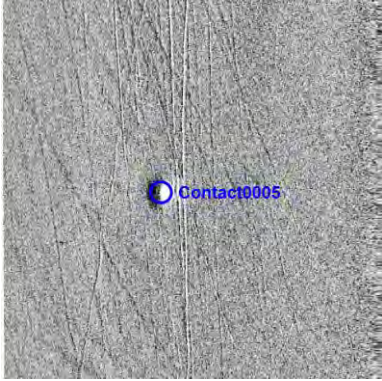
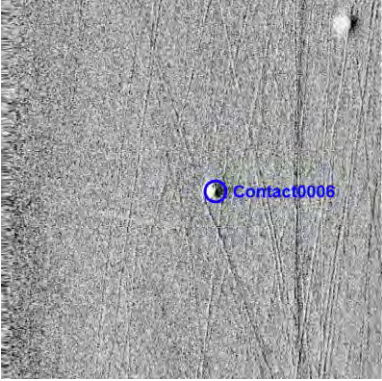

Appendice B

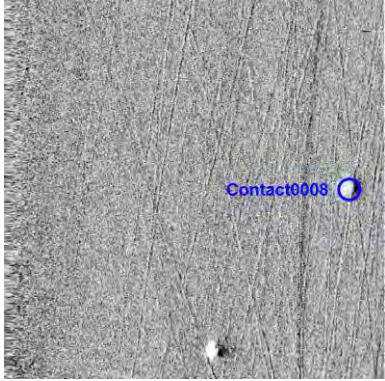
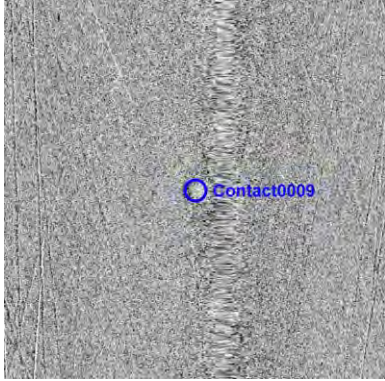

Rapporto dei Target SSS

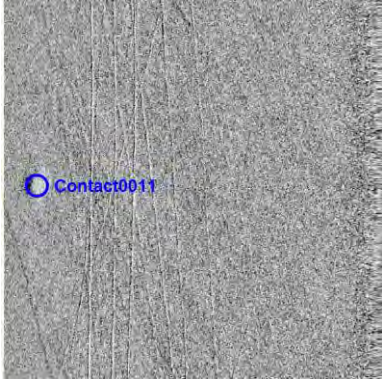
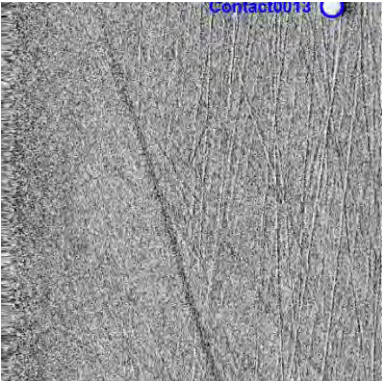
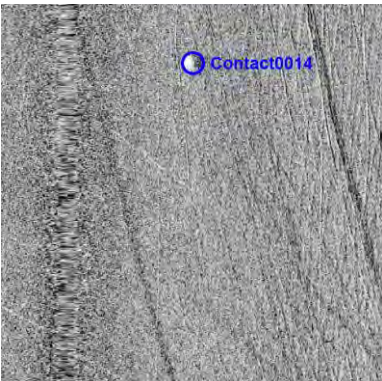
Floating Offshore Windfarm Geophysical Survey

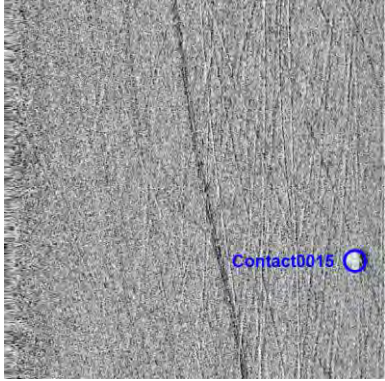
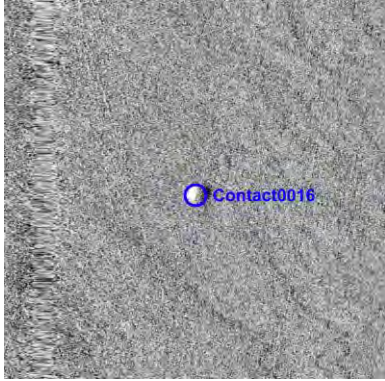
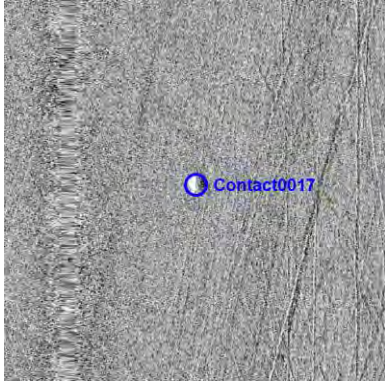
Contact Report – ECC corridor

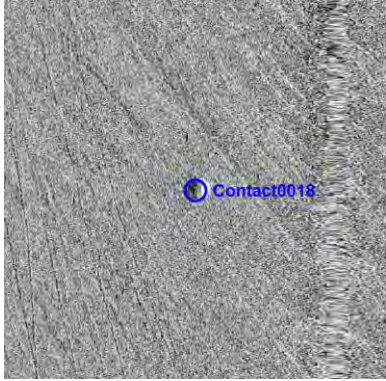
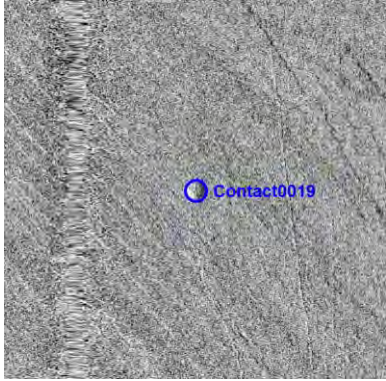
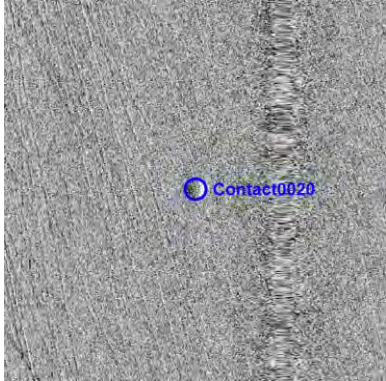
| Target Image | Target Info | User Entered Info |
|---|---|--|
|  | <p>Contact0001</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 09:19:46 • Click Position 37.7370366563 12.3496743350 (WGS84) (X) 266458.96 (Y) 4179946.59 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U00_4\H21E-U00_4.004L.xtf • Ping Number: 248091 • Range to target: 128.46 Meters • Fish Height: 20.70 Meters • Heading: 256.190 Degrees • Event Number: 1 • Line Name: H21E-U00_4.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.43 Meters • Target Height: 1.19 Meters • Target Length: 12.22 Meters • Target Shadow: 7.86 Meters • Classification1: Coralligenous block |
|  | <p>Contact0002</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 09:17:02 • Click Position 37.7348054623 12.3535167859 (WGS84) (X) 266790.61 (Y) 4179689.39 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U00_4\H21E-U00_4.003L.xtf • Ping Number: 247533 • Range to target: 178.21 Meters • Fish Height: 21.09 Meters • Heading: 254.090 Degrees • Event Number: 1 • Line Name: H21E-U00_4.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.60Meters • Target Height: 1.32 Meters • Target Length: 12.40 Meters • Target Shadow: 11.88 Meters • Classification1: boulder |
|  | <p>Contact0003</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 07:06:52 • Click Position 37.7309371572 12.3429579126 (WGS84) (X) 265847.79 (Y) 4179286.48 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.017L.xtf • Ping Number: 220958 • Range to target: 143.25 Meters • Fish Height: 32.23 Meters • Heading: 64.390 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.017L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.90 Meters • Target Height: 3.05 Meters • Target Length: 8.70 Meters • Target Shadow: 14.99 Meters • Classification1: boulder |

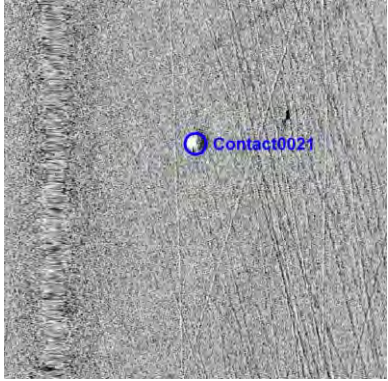
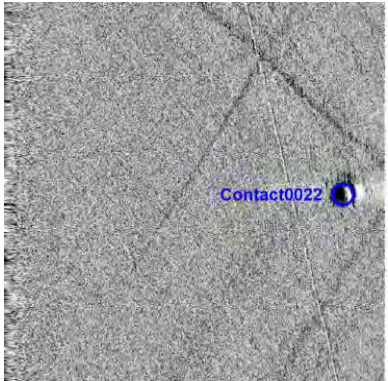
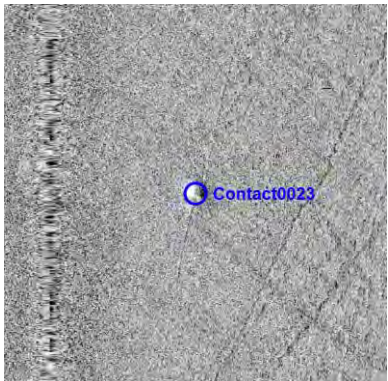
| | | |
|---|--|--|
|  | <p>Contact0006</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 15:16:37 • Click Position 37.6762987571 12.1111350429 (WGS84) (X) 245227.02 (Y) 4173828.24 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04\H21E-U04.002L.xtf • Ping Number: 366910 • Range to target: 116.52 Meters • Fish Height: 18.36 Meters • Heading: 36.600 Degrees • Event Number: 1 • Line Name: H21E-U04.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 14.98 Meters • Target Height: 0.00 Meters • Target Length: 15.77 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0007</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 15:17:41 • Click Position 37.6758012909 12.1140301224 (WGS84) (X) 245480.69 (Y) 4173765.16 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04\H21E-U04.002L.xtf • Ping Number: 367127 • Range to target: 111.92 Meters • Fish Height: 19.92 Meters • Heading: 35.000 Degrees • Event Number: 1 • Line Name: H21E-U04.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.42 Meters • Target Height: 0.00 Meters • Target Length: 10.66 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0008</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 15:17:43 • Click Position 37.6767655964 12.1127889678 (WGS84) (X) 245374.51 (Y) 4173875.55 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04\H21E-U04.002L.xtf • Ping Number: 367134 • Range to target: 41.20 Meters • Fish Height: 20.12 Meters • Heading: 33.800 Degrees • Event Number: 1 • Line Name: H21E-U04.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.42 Meters • Target Height: 0.00 Meters • Target Length: 10.25 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

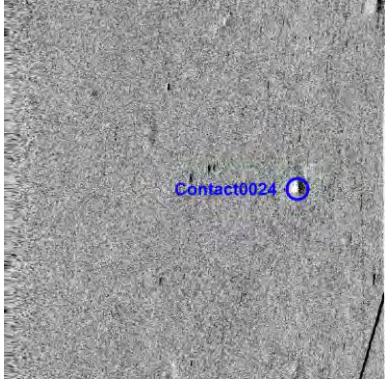
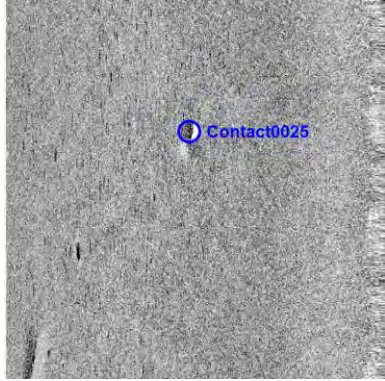
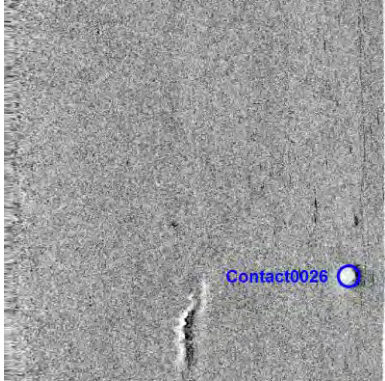
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|  | <p>Contact0009</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 15:18:26 • Click Position 37.6758808826 12.1152063104 (WGS84) (X) 245584.72 (Y) 4173770.80 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04\H21E-U04.002L.xtf • Ping Number: 367279 • Range to target: 180.27 Meters • Fish Height: 21.29 Meters • Heading: 37.000 Degrees • Event Number: 1 • Line Name: H21E-U04.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.64 Meters • Target Height: 0.00 Meters • Target Length: 10.70 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0010</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 15:18:43 • Click Position 37.6773432393 12.1139248685 (WGS84) (X) 245476.68 (Y) 4173936.57 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04\H21E-U04.002L.xtf • Ping Number: 367337 • Range to target: 15.12 Meters • Fish Height: 21.68 Meters • Heading: 37.190 Degrees • Event Number: 1 • Line Name: H21E-U04.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.70 Meters • Target Height: 0.00 Meters • Target Length: 12.60 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0011</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 07:20:47 • Click Position 37.6833391892 12.1151192664 (WGS84) (X) 245602.54 (Y) 4174598.77 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U00\H21E-U00.001L.xtf • Ping Number: 302590 • Range to target: 134.31 Meters • Fish Height: 20.12 Meters • Heading: 228.500 Degrees • Event Number: 1 • Line Name: H21E-U00.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.85 Meters • Target Height: 0.00 Meters • Target Length: 7.86 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

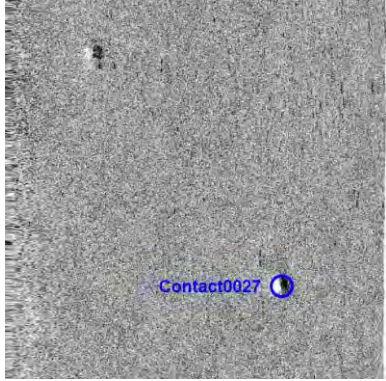
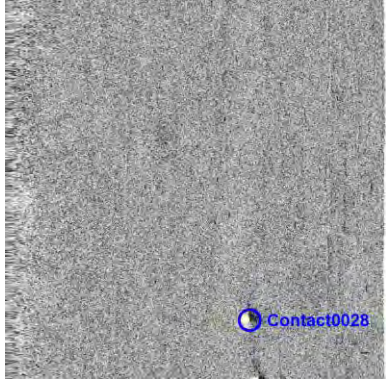
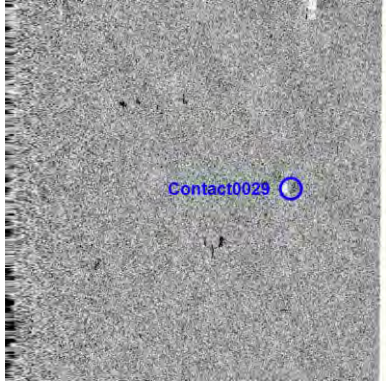
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|---|---|--|
|  <p>A side-scan sonar image showing a textured seabed. A blue circle with the label 'Contact0011' is positioned on the left side of the image.</p> | <p>Contact0012</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 07:21:53 • Click Position 37.6805797993 12.1167511536 (WGS84) (X) 245737.04 (Y) 4174288.09 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U00\H21E-U00.001L.xtf • Ping Number: 302813 • Range to target: 181.18 Meters • Fish Height: 20.70 Meters • Heading: 228.590 Degrees • Event Number: 1 • Line Name: H21E-U00.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 13.45 Meters • Target Height: 0.00 Meters • Target Length: 11.43 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>A side-scan sonar image showing a textured seabed. A blue circle with the label 'Contact0013' is positioned in the upper right area of the image.</p> | <p>Contact0013</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 05:58:30 • Click Position 37.6700049640 12.1134396633 (WGS84) (X) 245408.78 (Y) 4173123.48 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U08\H21E-U08L.xtf • Ping Number: 285790 • Range to target: 172.93 Meters • Fish Height: 21.68 Meters • Heading: 35.690 Degrees • Event Number: 1 • Line Name: H21E-U08L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 15.33 Meters • Target Height: 0.00 Meters • Target Length: 12.21 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>A side-scan sonar image showing a textured seabed. A blue circle with the label 'Contact0014' is positioned in the upper left area of the image.</p> | <p>Contact0014</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 09:19:31 • Click Position 37.6722154035 12.1123426459 (WGS84) (X) 245319.57 (Y) 4173371.78 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U06\H21E-U06.001L.xtf • Ping Number: 326830 • Range to target: 65.41 Meters • Fish Height: 20.12 Meters • Heading: 31.690 Degrees • Event Number: 1 • Line Name: H21E-U06.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.40 Meters • Target Height: 0.00 Meters • Target Length: 11.80 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

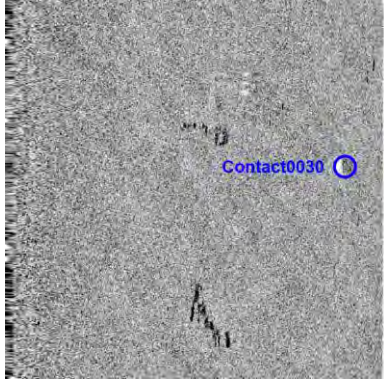
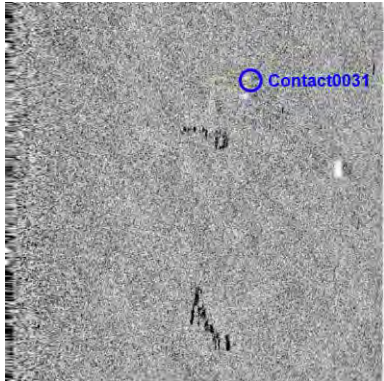
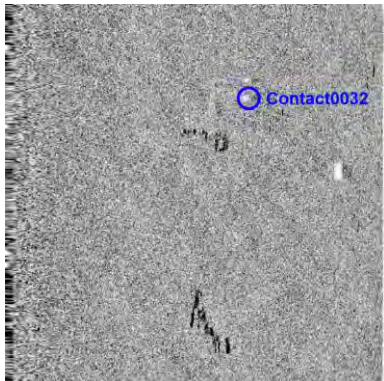
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|  | <p>Contact0015</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 09:20:18 • Click Position 37.6720430551 12.1139319403 (WGS84) (X) 245459.18 (Y) 4173348.33 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U06\H21E-U06.003L.xtf • Ping Number: 326993 • Range to target: 183.12 Meters • Fish Height: 20.70 Meters • Heading: 30.800 Degrees • Event Number: 1 • Line Name: H21E-U06.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.79 Meters • Target Height: 0.00 Meters • Target Length: 12.98 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0016</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 07:30:19 • Click Position 37.6759364098 12.1079995224 (WGS84) (X) 244949.19 (Y) 4173796.56 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U00\H21E-U00.003L.xtf • Ping Number: 304535 • Range to target: 79.30 Meters • Fish Height: 22.66 Meters • Heading: 229.900 Degrees • Event Number: 1 • Line Name: H21E-U00.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.95 Meters • Target Height: 0.00 Meters • Target Length: 9.47 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0017</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 09:27:43 • Click Position 37.6781172440 12.1188384100 (WGS84) (X) 245912.74 (Y) 4174009.13 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U06\H21E-U06.003L.xtf • Ping Number: 328506 • Range to target: 66.72 Meters • Fish Height: 21.48 Meters • Heading: 29.800 Degrees • Event Number: 1 • Line Name: H21E-U06.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.01 Meters • Target Height: 0.00 Meters • Target Length: 10.24 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

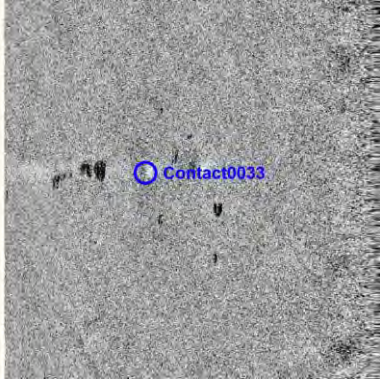
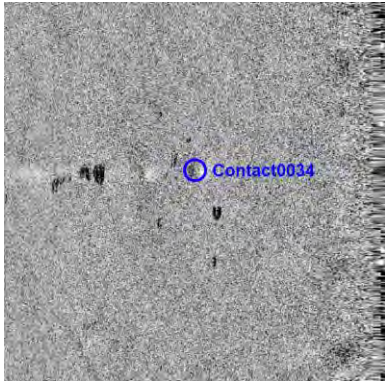
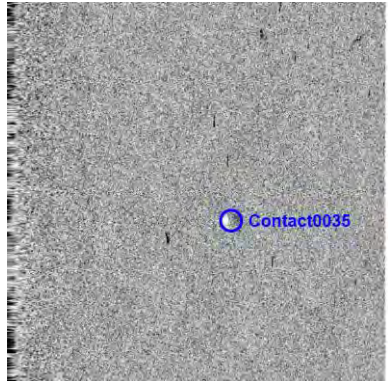
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|  | <p>Contact0018</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 04:41:13 • Click Position 37.6799699151 12.1102036040 (WGS84) (X) 245157.43 (Y) 4174238.21 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U05\H21E-U05.003L.xtf • Ping Number: 270009 • Range to target: 73.47 Meters • Fish Height: 21.09 Meters • Heading: 222.500 Degrees • Event Number: 1 • Line Name: H21E-U05.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 14.17 Meters • Target Height: 0.00 Meters • Target Length: 10.64 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0019</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 04:41:28 • Click Position 37.6805265436 12.1087961742 (WGS84) (X) 245035.19 (Y) 4174303.82 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U05\H21E-U05.003L.xtf • Ping Number: 270062 • Range to target: 62.59 Meters • Fish Height: 23.24 Meters • Heading: 222.900 Degrees • Event Number: 1 • Line Name: H21E-U05.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.82 Meters • Target Height: 0.00 Meters • Target Length: 9.45 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0020</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 04:35:31 • Click Position 37.6844178989 12.1146075922 (WGS84) (X) 245561.09 (Y) 4174719.88 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U05\H21E-U05.001L.xtf • Ping Number: 268847 • Range to target: 46.27 Meters • Fish Height: 20.12 Meters • Heading: 222.500 Degrees • Event Number: 1 • Line Name: H21E-U05.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.82 Meters • Target Height: 0.00 Meters • Target Length: 7.86 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

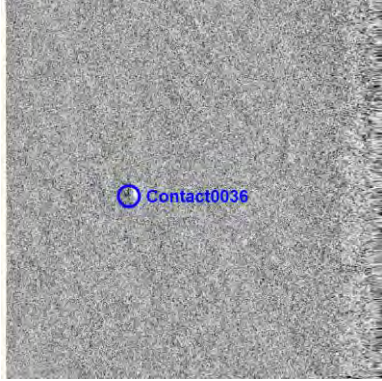

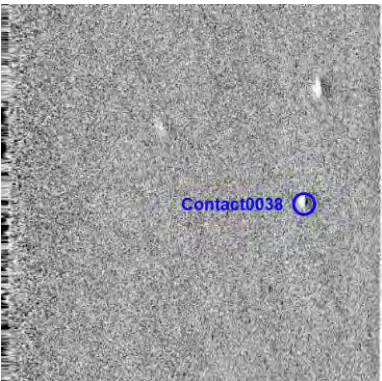
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|  | <p>Contact0021</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 15:35:04 • Click Position 37.6888316114 12.1280857407 (WGS84) (X) 246764.90 (Y) 4175173.18 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04\H21E-U04.002L.xtf • Ping Number: 370677 • Range to target: 73.53 Meters • Fish Height: 18.55 Meters • Heading: 35.690 Degrees • Event Number: 1 • Line Name: H21E-U04.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.79 Meters • Target Height: 0.00 Meters • Target Length: 11.44 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0022</p> <ul style="list-style-type: none"> • Sonar Time at Target: 11-Jun-21 09:19:52 • Click Position 37.6891772872 12.1298481564 (WGS84) (X) 246921.51 (Y) 4175206.77 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U02_1\H21E-U02_1.001L.xtf • Ping Number: 271218 • Range to target: 176.92 Meters • Fish Height: 20.51 Meters • Heading: 62.000 Degrees • Event Number: 1 • Line Name: H21E-U02_1.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.50 Meters • Target Height: 0.35 Meters • Target Length: 14.80 Meters • Target Shadow: 3.04 Meters • Classification1: boulder |
|  | <p>Contact0023</p> <ul style="list-style-type: none"> • Sonar Time at Target: 11-Jun-21 06:09:05 • Click Position 37.6953454661 12.1223418247 (WGS84) (X) 246280.53 (Y) 4175911.65 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U07_1\H21E-U07_1.002L.xtf • Ping Number: 232266 • Range to target: 76.02 Meters • Fish Height: 18.55 Meters • Heading: 254.300 Degrees • Event Number: 1 • Line Name: H21E-U07_1.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.61 Meters • Target Height: 0.00 Meters • Target Length: 9.43 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

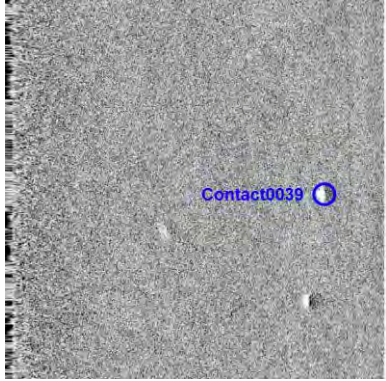
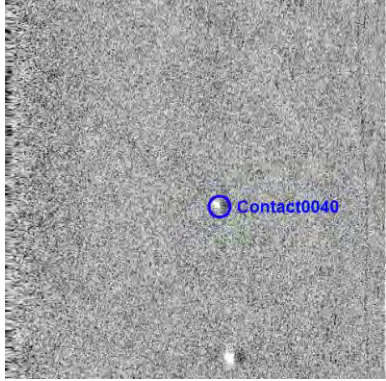
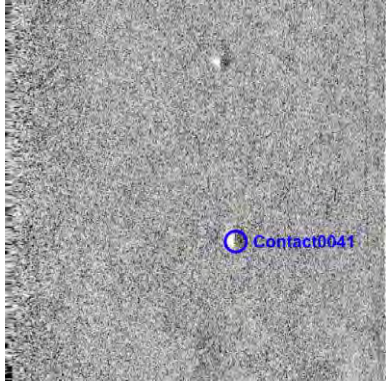
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|  <p>A sonar image showing a textured seabed. A blue circle with a white center is labeled 'Contact0024' and is positioned in the upper-middle part of the image.</p> | <p>Contact0024</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 17:43:16 • Click Position 37.6648640609 12.0909798947 (WGS84) (X) 243409.71 (Y) 4172614.22 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U07A\H21E-U07AL.xtf • Ping Number: 396848 • Range to target: 153.34 Meters • Fish Height: 26.37 Meters • Heading: 41.100 Degrees • Event Number: 1 • Line Name: H21E-U07AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.26 Meters • Target Height: 0.00 Meters • Target Length: 6.30 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>A sonar image showing a textured seabed. A blue circle with a white center is labeled 'Contact0025' and is positioned in the upper-middle part of the image.</p> | <p>Contact0025</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 19:48:10 • Click Position 37.6669025097 12.0885946362 (WGS84) (X) 243206.30 (Y) 4172846.99 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U11\H21E-U11.004L.xtf • Ping Number: 422352 • Range to target: 103.24 Meters • Fish Height: 16.41 Meters • Heading: 223.700 Degrees • Event Number: 1 • Line Name: H21E-U11.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.34 Meters • Target Height: 0.00 Meters • Target Length: 11.20 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>A sonar image showing a textured seabed. A blue circle with a white center is labeled 'Contact0026' and is positioned in the lower-middle part of the image.</p> | <p>Contact0026</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 08:58:35 • Click Position 37.6571403458 12.0973184272 (WGS84) (X) 243942.37 (Y) 4171739.68 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U06\H21E-U06.001L.xtf • Ping Number: 322558 • Range to target: 180.13 Meters • Fish Height: 20.31 Meters • Heading: 31.390 Degrees • Event Number: 1 • Line Name: H21E-U06.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 12.58 Meters • Target Height: 0.00 Meters • Target Length: 13.38 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

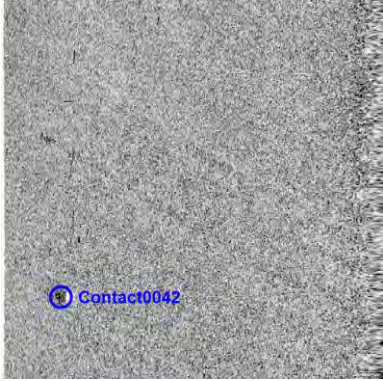
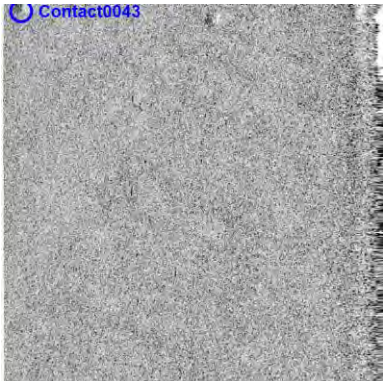
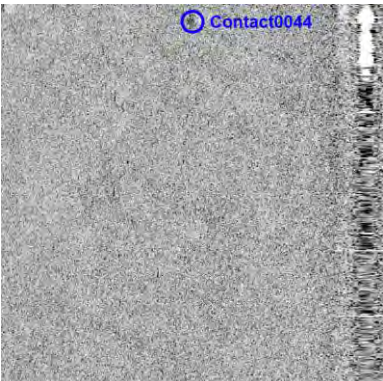
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|  | <p>Contact0027</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 05:37:18 • Click Position 37.6558022351 12.0973417699 (WGS84) (X) 243939.83 (Y) 4171591.11 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U08\H21E-U08L.xtf • Ping Number: 281459 • Range to target: 144.38 Meters • Fish Height: 28.32 Meters • Heading: 36.300 Degrees • Event Number: 1 • Line Name: H21E-U08L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.85 Meters • Target Height: 0.00 Meters • Target Length: 9.85 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0028</p> <ul style="list-style-type: none"> • Sonar Time at Target: 05-Jun-21 05:17:09 • Click Position 37.6540416841 12.0999250830 (WGS84) (X) 244161.72 (Y) 4171388.66 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U12\H21E-U12L.xtf • Ping Number: 9029 • Range to target: 127.80 Meters • Fish Height: 27.93 Meters • Heading: 32.890 Degrees • Event Number: 1 • Line Name: H21E-U12L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.22 Meters • Target Height: 0.00 Meters • Target Length: 7.87 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0029</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 05:44:18 • Click Position 37.6922186352 12.2508114826 (WGS84) (X) 257599.61 (Y) 4175224.20 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.001L.xtf • Ping Number: 204101 • Range to target: 149.18 Meters • Fish Height: 37.89 Meters • Heading: 58.690 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.03 Meters • Target Height: 0.00 Meters • Target Length: 8.27 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

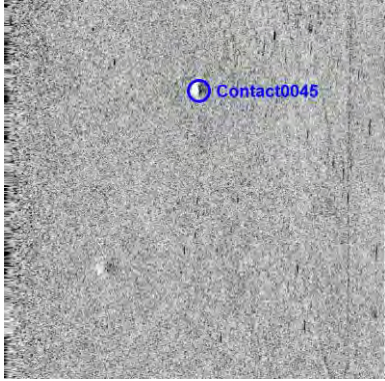
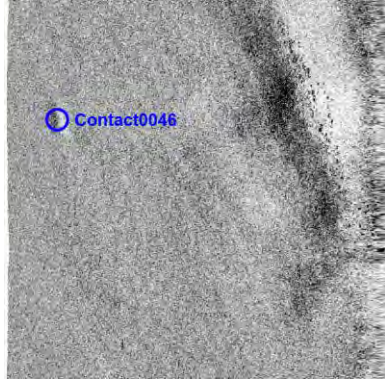
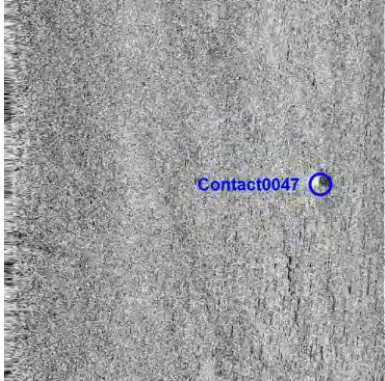
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|  | <p>Contact0030</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 05:46:37 • Click Position 37.6929621563 12.2534219823 (WGS84) (X) 257832.25 (Y) 4175299.96 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.001L.xtf • Ping Number: 204574 • Range to target: 177.46 Meters • Fish Height: 30.86 Meters • Heading: 59.500 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.85 Meters • Target Height: 0.00 Meters • Target Length: 8.26 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0031</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 05:47:03 • Click Position 37.6935393798 12.2536769702 (WGS84) (X) 257856.61 (Y) 4175363.36 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.001L.xtf • Ping Number: 204661 • Range to target: 128.27 Meters • Fish Height: 30.86 Meters • Heading: 63.500 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.68 Meters • Target Height: 0.00 Meters • Target Length: 3.15 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0032</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 05:46:58 • Click Position 37.6935170394 12.2535885039 (WGS84) (X) 257848.74 (Y) 4175361.11 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.001L.xtf • Ping Number: 204646 • Range to target: 127.34 Meters • Fish Height: 30.86 Meters • Heading: 58.890 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.73 Meters • Target Height: 0.00 Meters • Target Length: 3.54 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

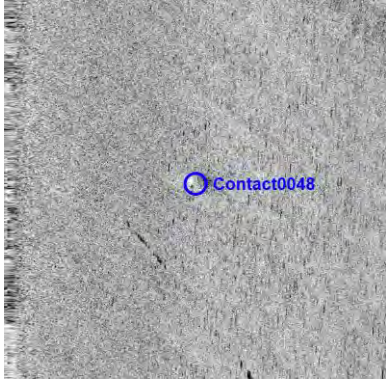
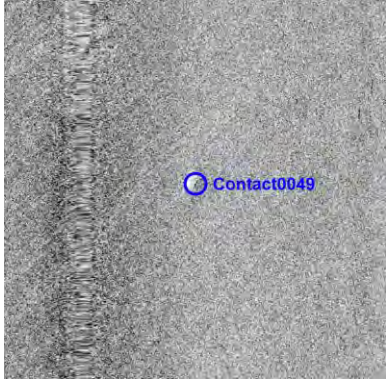

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|  | <p>Contact0033</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 05:46:35 • Click Position 37.6954190324 12.2519772381 (WGS84) (X) 257712.84 (Y) 4175576.36 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.001L.xtf • Ping Number: 204568 • Range to target: 123.62 Meters • Fish Height: 30.86 Meters • Heading: 58.190 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.05 Meters • Target Height: 0.00 Meters • Target Length: 7.87 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0034</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 05:46:37 • Click Position 37.6952133109 12.2521362761 (WGS84) (X) 257726.20 (Y) 4175553.12 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.001L.xtf • Ping Number: 204574 • Range to target: 97.02 Meters • Fish Height: 30.86 Meters • Heading: 59.500 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.04 Meters • Target Height: 0.00 Meters • Target Length: 6.35 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0035</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 05:48:12 • Click Position 37.6943045504 12.2550395109 (WGS84) (X) 257979.26 (Y) 4175444.75 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.002L.xtf • Ping Number: 204895 • Range to target: 116.93 Meters • Fish Height: 31.45 Meters • Heading: 58.390 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.44 Meters • Target Height: 0.00 Meters • Target Length: 6.69 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |


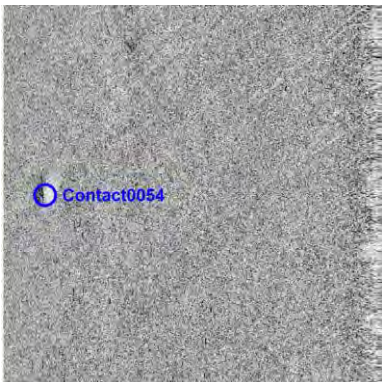
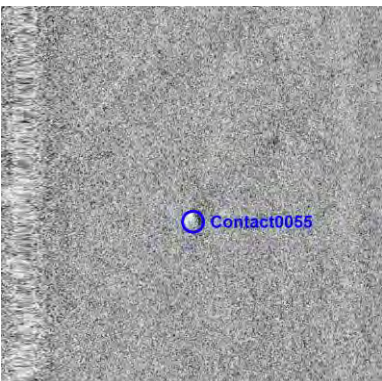
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|  <p>A sonar image showing a contact point labeled 'Contact0036' in the center. The image is a grayscale sonar scan with a blue circle and the text 'Contact0036' overlaid on a dark, textured background.</p> | <p>Contact0036</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 05:48:17 • Click Position 37.6962405168 12.2535858710 (WGS84) (X) 257857.37 (Y) 4175663.36 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.002L.xtf • Ping Number: 204915 • Range to target: 133.13 Meters • Fish Height: 31.25 Meters • Heading: 58.300 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.43 Meters • Target Height: 0.00 Meters • Target Length: 6.29 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>A sonar image showing a contact point labeled 'Contact0037' in the center. The image is a grayscale sonar scan with a blue circle and the text 'Contact0037' overlaid on a dark, textured background.</p> | <p>Contact0037</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 05:49:31 • Click Position 37.6951592996 12.2561534799 (WGS84) (X) 258080.28 (Y) 4175536.73 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.002L.xtf • Ping Number: 205166 • Range to target: 82.56 Meters • Fish Height: 28.52 Meters • Heading: 61.190 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.82 Meters • Target Height: 0.00 Meters • Target Length: 7.49 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>A sonar image showing a contact point labeled 'Contact0038' in the center. The image is a grayscale sonar scan with a blue circle and the text 'Contact0038' overlaid on a dark, textured background.</p> | <p>Contact0038</p> <ul style="list-style-type: none"> • Sonar Time at Target: 15-Jun-21 21:49:52 • Click Position 37.6956295770 12.2537922246 (WGS84) (X) 257873.58 (Y) 4175595.03 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U02_3\H21E-U02_3.002L.xtf • Ping Number: 107235 • Range to target: 158.20 Meters • Fish Height: 25.59 Meters • Heading: 56.500 Degrees • Event Number: 1 • Line Name: H21E-U02_3.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.22 Meters • Target Height: 0.00 Meters • Target Length: 8.27 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |


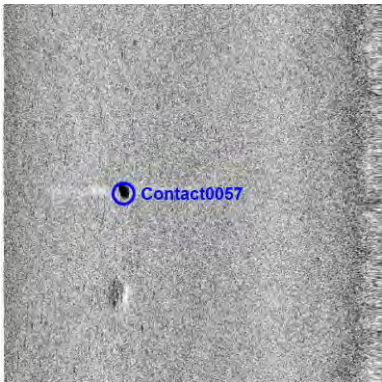
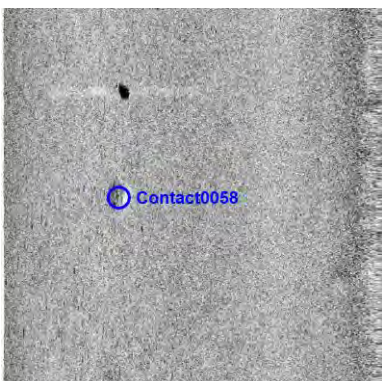
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|  <p>A sonar image showing a dark, textured seabed. A small, light-colored object is visible in the center-right area, marked with a blue circle and the label 'Contact0039'.</p> | <p>Contact0039</p> <ul style="list-style-type: none"> • Sonar Time at Target: 15-Jun-21 21:50:21 • Click Position 37.6957936575 12.2544012408 (WGS84) (X) 257927.82 (Y) 4175611.66 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U02_3\H21E-U02_3.002L.xtf • Ping Number: 107334 • Range to target: 166.86 Meters • Fish Height: 26.17 Meters • Heading: 59.190 Degrees • Event Number: 1 • Line Name: H21E-U02_3.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.04 Meters • Target Height: 0.00 Meters • Target Length: 8.27 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>A sonar image showing a dark, textured seabed. A small, light-colored object is visible in the center-right area, marked with a blue circle and the label 'Contact0040'.</p> | <p>Contact0040</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 15:19:50 • Click Position 37.6934694048 12.2512188942 (WGS84) (X) 257639.61 (Y) 4175361.95 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_2\H21E-U04_2.008L.xtf • Ping Number: 106392 • Range to target: 111.95 Meters • Fish Height: 19.34 Meters • Heading: 91.700 Degrees • Event Number: 1 • Line Name: H21E-U04_2.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.64 Meters • Target Height: 0.00 Meters • Target Length: 4.33 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>A sonar image showing a dark, textured seabed. A small, light-colored object is visible in the center-right area, marked with a blue circle and the label 'Contact0041'.</p> | <p>Contact0041</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 15:19:11 • Click Position 37.6934071668 12.2502491635 (WGS84) (X) 257553.89 (Y) 4175357.56 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_2\H21E-U04_2.008L.xtf • Ping Number: 106258 • Range to target: 120.46 Meters • Fish Height: 23.24 Meters • Heading: 92.500 Degrees • Event Number: 1 • Line Name: H21E-U04_2.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.62 Meters • Target Height: 0.00 Meters • Target Length: 6.69 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |


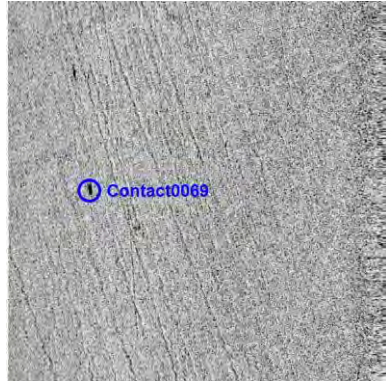
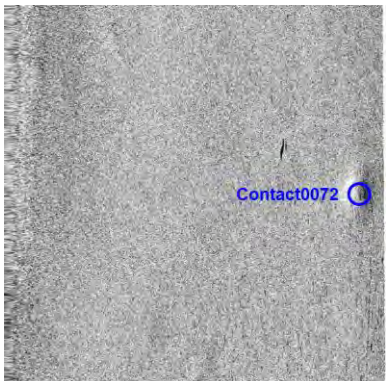
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|  | <p>Contact0042</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 15:18:58 • Click Position 37.6960116677 12.2498569456 (WGS84) (X) 257527.80 (Y) 4175647.62 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_2\H21E-U04_2.008L.xtf • Ping Number: 106214 • Range to target: 168.70 Meters • Fish Height: 22.46 Meters • Heading: 92.200 Degrees • Event Number: 1 • Line Name: H21E-U04_2.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.29 Meters • Target Height: 0.00 Meters • Target Length: 5.92 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0043</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 11:07:48 • Click Position 37.6945441925 12.2535079459 (WGS84) (X) 257844.98 (Y) 4175475.31 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U06_2\H21E-U06_2.009L.xtf • Ping Number: 54935 • Range to target: 189.39 Meters • Fish Height: 20.46 Meters • Heading: 91.500 Degrees • Event Number: 1 • Line Name: H21E-U06_2.009L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.26 Meters • Target Height: 0.00 Meters • Target Length: 5.13 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0044</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 11:07:46 • Click Position 37.6936608099 12.2533656514 (WGS84) (X) 257829.55 (Y) 4175377.64 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U06_2\H21E-U06_2.009L.xtf • Ping Number: 54925 • Range to target: 90.68 Meters • Fish Height: 20.06 Meters • Heading: 90.290 Degrees • Event Number: 1 • Line Name: H21E-U06_2.009L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.90 Meters • Target Height: 0.00 Meters • Target Length: 5.92 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

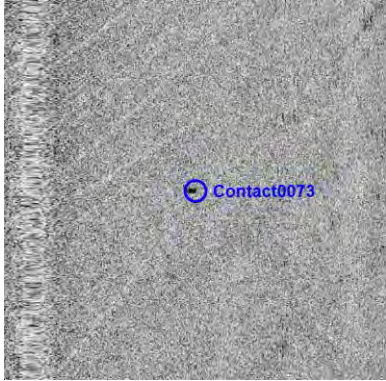
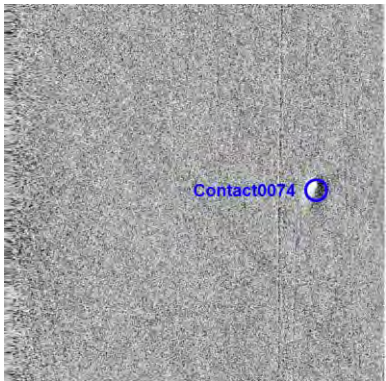
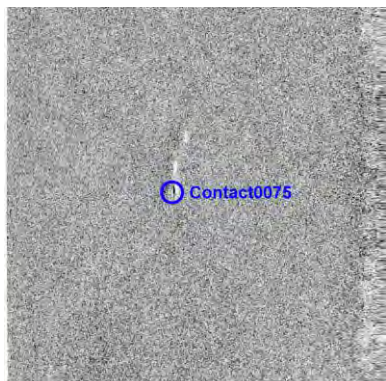
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|  <p>A sonar image showing a textured seabed. A blue circular marker labeled 'Contact0045' is positioned in the upper-middle section of the image.</p> | <p>Contact0045</p> <ul style="list-style-type: none"> • Sonar Time at Target: 14-Jun-21 11:07:26 • Click Position 37.6951041007 12.2573386044 (WGS84) (X) 258184.61 (Y) 4175527.54 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3\H21E-U04_3L.xtf • Ping Number: 32903 • Range to target: 101.70 Meters • Fish Height: 17.77 Meters • Heading: 57.190 Degrees • Event Number: 1 • Line Name: H21E-U04_3L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.82 Meters • Target Height: 0.00 Meters • Target Length: 7.09 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>A sonar image showing a textured seabed. A blue circular marker labeled 'Contact0046' is positioned in the lower-left section of the image.</p> | <p>Contact0046</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 01:06:41 • Click Position 37.6965704476 12.2511791581 (WGS84) (X) 257646.21 (Y) 4175706.21 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_3\H21E-U03_3.017L.xtf • Ping Number: 147419 • Range to target: 172.27 Meters • Fish Height: 21.87 Meters • Heading: 249.500 Degrees • Event Number: 1 • Line Name: H21E-U03_3.017L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.61 Meters • Target Height: 0.00 Meters • Target Length: 9.04 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>A sonar image showing a textured seabed. A blue circular marker labeled 'Contact0047' is positioned in the lower-right section of the image.</p> | <p>Contact0047</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 01:00:07 • Click Position 37.7020212932 12.2558318657 (WGS84) (X) 258074.24 (Y) 4176299.10 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_3\H21E-U03_3.016L.xtf • Ping Number: 146076 • Range to target: 165.30 Meters • Fish Height: 21.87 Meters • Heading: 249.090 Degrees • Event Number: 1 • Line Name: H21E-U03_3.016L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.40 Meters • Target Height: 0.00 Meters • Target Length: 6.31 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

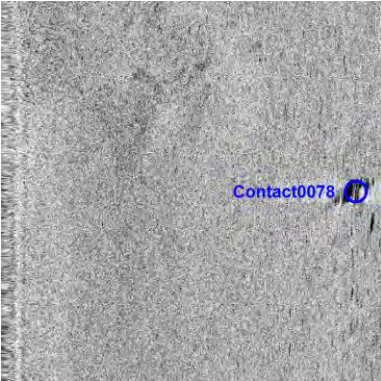
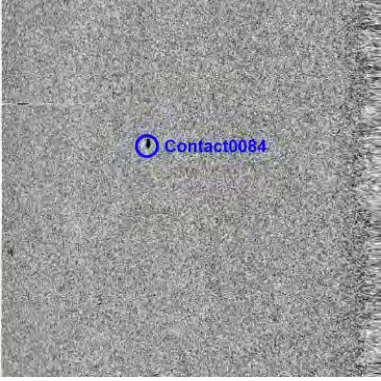
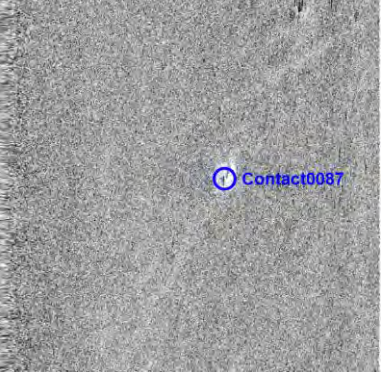
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|  | <p>Contact0048</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 19:57:16 • Click Position 37.7022920318 12.2542562650 (WGS84) (X) 257936.19 (Y) 4176333.22 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U07_2\H21E-U07_2L.xtf • Ping Number: 163036 • Range to target: 98.33 Meters • Fish Height: 19.34 Meters • Heading: 271.400 Degrees • Event Number: 1 • Line Name: H21E-U07_2L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.61 Meters • Target Height: 0.00 Meters • Target Length: 6.70 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0049</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 13:59:14 • Click Position 37.6938012583 12.1512758714 (WGS84) (X) 248826.93 (Y) 4175662.24 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_2\H21E-U04_2L.xtf • Ping Number: 89935 • Range to target: 59.06 Meters • Fish Height: 19.53 Meters • Heading: 88.700 Degrees • Event Number: 1 • Line Name: H21E-U04_2L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.05 Meters • Target Height: 0.00 Meters • Target Length: 9.36 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0050</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 09:47:17 • Click Position 37.6940156921 12.1526861163 (WGS84) (X) 248952.02 (Y) 4175682.25 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U06_2\H21E-U06_2.001L.xtf • Ping Number: 38495 • Range to target: 119.49 Meters • Fish Height: 18.75 Meters • Heading: 81.790 Degrees • Event Number: 1 • Line Name: H21E-U06_2.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.01 Meters • Target Height: 0.00 Meters • Target Length: 11.03 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |


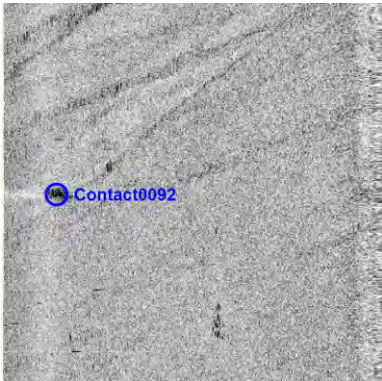
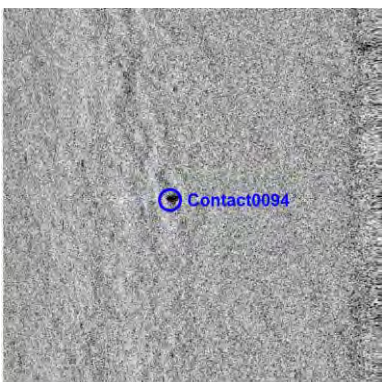
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|  | <p>Contact0052</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 14:02:12 • Click Position 37.6957231749 12.1549830458 (WGS84) (X) 249160.34 (Y) 4175865.59 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_2\H21E-U04_2L.xtf • Ping Number: 90540 • Range to target: 152.22 Meters • Fish Height: 18.55 Meters • Heading: 89.200 Degrees • Event Number: 1 • Line Name: H21E-U04_2L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.72 Meters • Target Height: 0.65 Meters • Target Length: 8.66 Meters • Target Shadow: 5.52 Meters • Classification1: boulder |
|  | <p>Contact0054</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 13:06:38 • Click Position 37.6964186310 12.1516762784 (WGS84) (X) 248871.08 (Y) 4175951.64 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2\H21E-U03_2.008L.xtf • Ping Number: 79195 • Range to target: 176.92 Meters • Fish Height: 19.34 Meters • Heading: 269.000 Degrees • Event Number: 1 • Line Name: H21E-U03_2.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 12.19 Meters • Target Height: 0.00 Meters • Target Length: 12.60 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0055</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 13:06:14 • Click Position 37.6988177997 12.1520709153 (WGS84) (X) 248913.98 (Y) 4176216.85 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2\H21E-U03_2.008L.xtf • Ping Number: 79114 • Range to target: 88.27 Meters • Fish Height: 18.95 Meters • Heading: 269.090 Degrees • Event Number: 1 • Line Name: H21E-U03_2.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.44 Meters • Target Height: 0.00 Meters • Target Length: 9.83 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

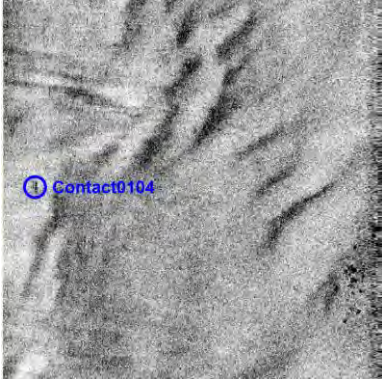
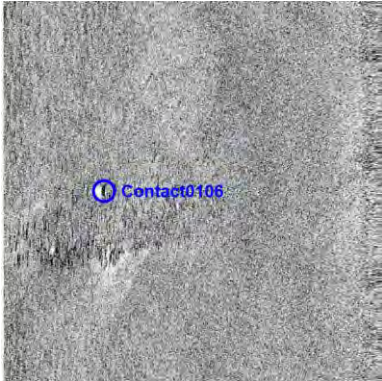
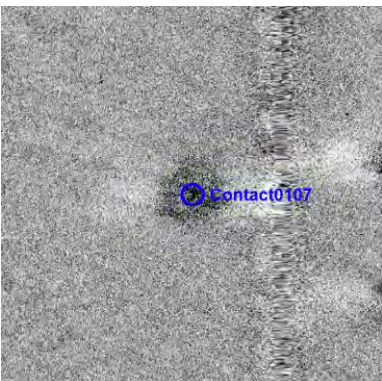
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|  | <p>Contact0056</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 13:05:11 • Click Position 37.6969355497 12.1534802430 (WGS84) (X) 249031.91 (Y) 4176004.17 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2\H21E-U03_2.006L.xtf • Ping Number: 78900 • Range to target: 123.61 Meters • Fish Height: 20.31 Meters • Heading: 269.800 Degrees • Event Number: 1 • Line Name: H21E-U03_2.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 14.15 Meters • Target Height: 0.00 Meters • Target Length: 11.81 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0057</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 13:04:01 • Click Position 37.6968910175 12.1548277750 (WGS84) (X) 249150.59 (Y) 4175995.62 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2\H21E-U03_2.006L.xtf • Ping Number: 78660 • Range to target: 135.88 Meters • Fish Height: 20.12 Meters • Heading: 271.400 Degrees • Event Number: 1 • Line Name: H21E-U03_2.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.30 Meters • Target Height: 1.81 Meters • Target Length: 8.40 Meters • Target Shadow: 13.41 Meters • Classification1: boulder |
|  | <p>Contact0058</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 13:03:30 • Click Position 37.6968769273 12.1553905176 (WGS84) (X) 249200.17 (Y) 4175992.55 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2\H21E-U03_2.006L.xtf • Ping Number: 78554 • Range to target: 138.53 Meters • Fish Height: 19.92 Meters • Heading: 271.590 Degrees • Event Number: 1 • Line Name: H21E-U03_2.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 15.06 Meters • Target Height: 0.00 Meters • Target Length: 13.51 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

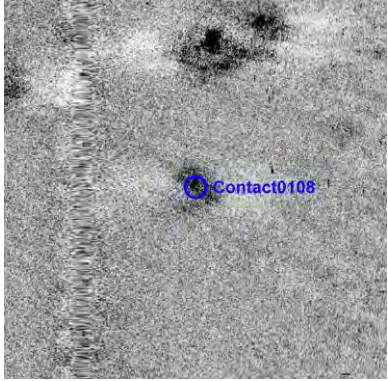
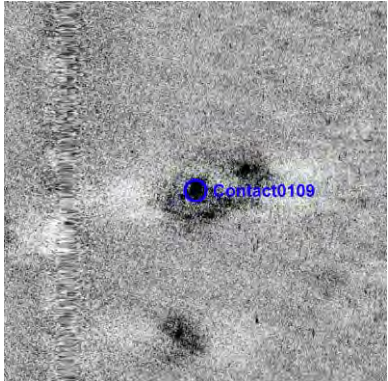
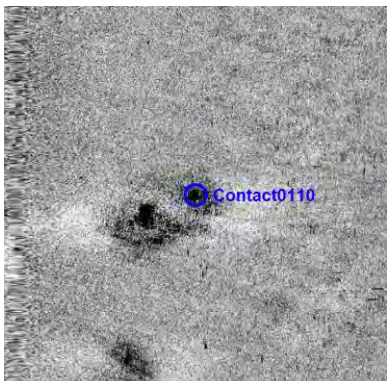
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|  <p>Contact0059</p> | <p>Contact0059</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 13:04:00 • Click Position 37.6993802767 12.1547147826 (WGS84) (X) 249149.02 (Y) 4176272.18 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2\H21E-U03_2.006L.xtf • Ping Number: 78659 • Range to target: 140.68 Meters • Fish Height: 20.12 Meters • Heading: 271.400 Degrees • Event Number: 1 • Line Name: H21E-U03_2.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.65 Meters • Target Height: 0.00 Meters • Target Length: 9.85 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>Contact0067</p> | <p>Contact0067</p> <ul style="list-style-type: none"> • Sonar Time at Target: 05-Jun-21 12:49:06 • Click Position 37.6937811357 12.1472170232 (WGS84) (X) 248468.92 (Y) 4175670.90 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U06\H21E-U06_1.002L.xtf • Ping Number: 101303 • Range to target: 156.55 Meters • Fish Height: 18.75 Meters • Heading: 68.890 Degrees • Event Number: 1 • Line Name: H21E-U06_1.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 2.00 Meters • Target Height: 0.47 Meters • Target Length: 5.10 Meters • Target Shadow: 3.99 Meters • Classification1: boulder |
|  <p>Contact0072</p> | <p>Contact0069</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 01:20:08 • Click Position 37.6998960794 12.1563203807 (WGS84) (X) 249292.35 (Y) 4176325.12 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2A\H21E-U03_2A.006L.xtf • Ping Number: 228954 • Range to target: 185.52 Meters • Fish Height: 23.83 Meters • Heading: 269.800 Degrees • Event Number: 1 • Line Name: H21E-U03_2A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 13.89 Meters • Target Height: 0.00 Meters • Target Length: 14.23 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

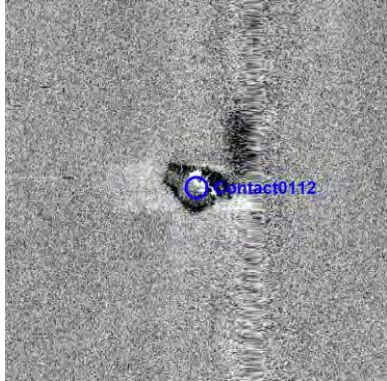
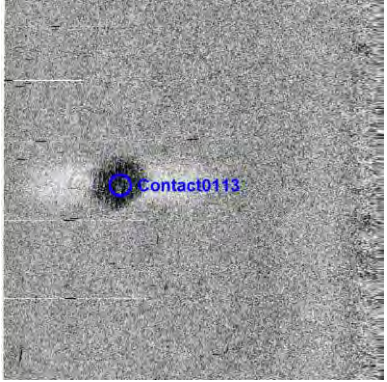
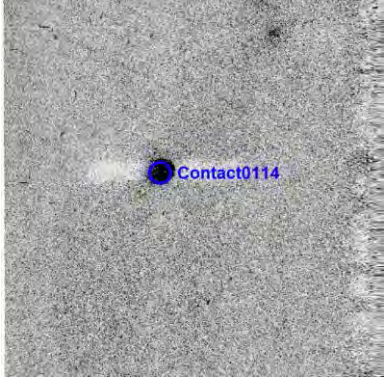
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|  | <p>Contact0070</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 13:07:22 • Click Position 37.6987463126 12.1506444823 (WGS84) (X) 248787.95 (Y) 4176212.74 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2\H21E-U03_2.008L.xtf • Ping Number: 79345 • Range to target: 85.17 Meters • Fish Height: 18.95 Meters • Heading: 268.900 Degrees • Event Number: 1 • Line Name: H21E-U03_2.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.34 Meters • Target Height: 0.00 Meters • Target Length: 3.54 Meters • Target Shadow: 0.00 Meters • Classification1: boulder |
|  | <p>Contact0071</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 21:22:56 • Click Position 37.7028659400 12.1528225278 (WGS84) (X) 248993.92 (Y) 4176664.10 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U07_2\H21E-U07_2.008L.xtf • Ping Number: 180527 • Range to target: 162.86 Meters • Fish Height: 20.51 Meters • Heading: 272.400 Degrees • Event Number: 1 • Line Name: H21E-U07_2.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 13.18 Meters • Target Height: 0.00 Meters • Target Length: 12.88 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0072</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 21:22:35 • Click Position 37.7003840295 12.1531838913 (WGS84) (X) 249017.41 (Y) 4176387.68 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U07_2\H21E-U07_2.008L.xtf • Ping Number: 180455 • Range to target: 112.28 Meters • Fish Height: 19.92 Meters • Heading: 270.900 Degrees • Event Number: 1 • Line Name: H21E-U07_2.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.11 Meters • Target Height: 0.00 Meters • Target Length: 5.53 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

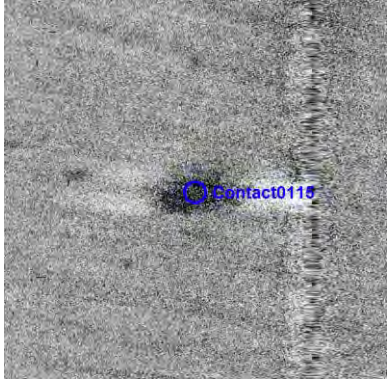
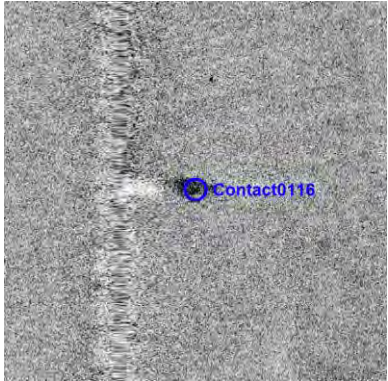
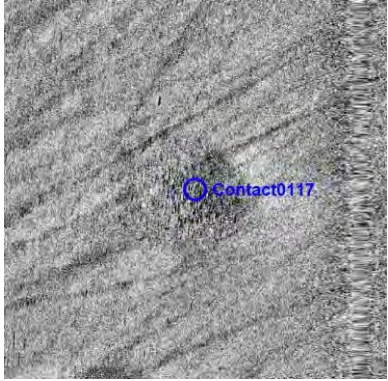
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|  <p>Contact0078</p> | <p>Contact0075</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 00:26:54 • Click Position 37.7000920891 12.2236388724 (WGS84) (X) 255229.19 (Y) 4176168.70 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2A\H21E-U03_2A.002L.xtf • Ping Number: 218087 • Range to target: 185.29 Meters • Fish Height: 20.70 Meters • Heading: 270.800 Degrees • Event Number: 1 • Line Name: H21E-U03_2A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.60 Meters • Target Height: 0.59 Meters • Target Length: 10.00 Meters • Target Shadow: 5.39 Meters • Classification1: boulder with debris |
|  <p>Contact0084</p> | <p>Contact0081</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 11:59:27 • Click Position 37.6967040584 12.2358455046 (WGS84) (X) 256294.47 (Y) 4175760.84 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2\H21E-U03_2L.xtf • Ping Number: 65479 • Range to target: 122.67 Meters • Fish Height: 20.70 Meters • Heading: 273.400 Degrees • Event Number: 1 • Line Name: H21E-U03_2L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 1.96 Meters • Target Height: 0.45 Meters • Target Length: 3.95 Meters • Target Shadow: 2.75 Meters • Classification1: boulder |
|  <p>Contact0087</p> | <p>Contact0084</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 00:17:51 • Click Position 37.7211819272 12.3025900108 (WGS84) (X) 262258.50 (Y) 4178305.68 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_3\H21E-U03_3.008L.xtf • Ping Number: 137449 • Range to target: 117.85 Meters • Fish Height: 20.70 Meters • Heading: 247.590 Degrees • Event Number: 1 • Line Name: H21E-U03_3.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 2.80 Meters • Target Height: 0.99 Meters • Target Length: 5.50 Meters • Target Shadow: 5.93 Meters • Classification1: boulder field |

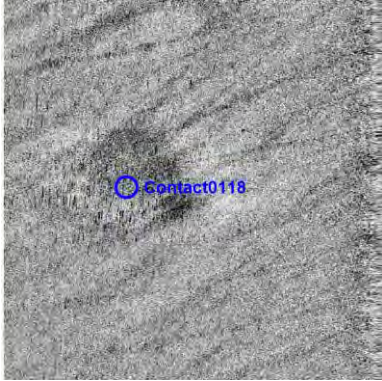


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|  | <p>Contact0087</p> <ul style="list-style-type: none"> • Sonar Time at Target: 14-Jun-21 13:59:52 • Click Position 37.7217112680 12.3176650519 (WGS84) (X) 263589.09 (Y) 4178326.23 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-UX11\H21E-UX11.002L.xtf • Ping Number: 68111 • Range to target: 87.12 Meters • Fish Height: 20.31 Meters • Heading: 160.200 Degrees • Event Number: 1 • Line Name: H21E-UX11.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 3.14 Meters • Target Height: 2.56 Meters • Target Length: 3.56 Meters • Target Shadow: 12.57 Meters • Classification1: boulder |
|  | <p>Contact0089</p> <ul style="list-style-type: none"> • Sonar Time at Target: 14-Jun-21 12:06:57 • Click Position 37.7242041445 12.3207540722 (WGS84) (X) 263869.32 (Y) 4178595.08 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3\H21E-U04_3.009L.xtf • Ping Number: 45055 • Range to target: 170.94 Meters • Fish Height: 21.48 Meters • Heading: 53.600 Degrees • Event Number: 1 • Line Name: H21E-U04_3.009L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.90 Meters • Target Height: 1.57 Meters • Target Length: 11.70 Meters • Target Shadow: 13.48 Meters • Classification1: boulder |
|  | <p>Contact0091</p> <ul style="list-style-type: none"> • Sonar Time at Target: 14-Jun-21 14:49:14 • Click Position 37.7301719552 12.3353262032 (WGS84) (X) 265172.71 (Y) 4179220.69 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-UX12\H21E-UX12L.xtf • Ping Number: 78190 • Range to target: 111.69 Meters • Fish Height: 18.75 Meters • Heading: 325.890 Degrees • Event Number: 1 • Line Name: H21E-UX12L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.11 Meters • Target Height: 0.00 Meters • Target Length: 5.12 Meters • Target Shadow: 0.00 Meters • Classification1: rock |

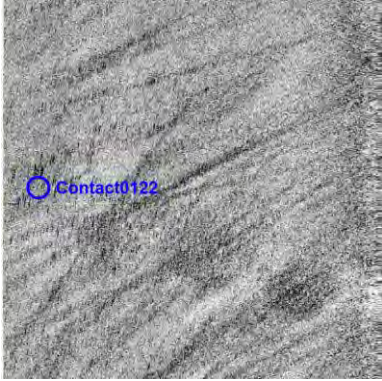

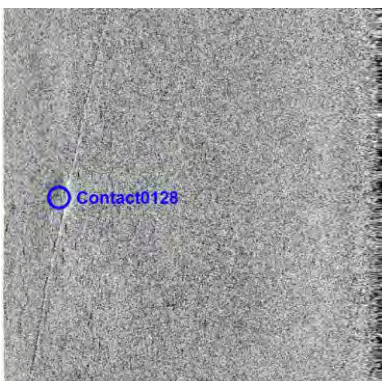
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|  <p>A sonar image showing a dark, irregular shape on a lighter, textured seabed. A blue circle with a white '1' and the text 'Contact0104' is overlaid on the shape.</p> | <p>Contact0101</p> <ul style="list-style-type: none"> • Sonar Time at Target: 11-Jun-21 13:58:58 • Click Position 37.6595840432 12.1933458018 (WGS84) (X) 252423.23 (Y) 4171752.77 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H210-U00\H210-U00.002L.xtf • Ping Number: 328200 • Range to target: 182.13 Meters • Fish Height: 17.77 Meters • Heading: 175.890 Degrees • Event Number: 1 • Line Name: H210-U00.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 3.14 Meters • Target Height: 0.00 Meters • Target Length: 6.32 Meters • Target Shadow: 0.00 Meters • Classification1: rock |
|  <p>A sonar image showing a dark, irregular shape on a lighter, textured seabed. A blue circle with a white '1' and the text 'Contact0106' is overlaid on the shape.</p> | <p>Contact0103</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 14:22:03 • Click Position 37.6955839400 12.1810538135 (WGS84) (X) 251458.96 (Y) 4175780.60 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_2\H21E-U04_2.002L.xtf • Ping Number: 94594 • Range to target: 146.09 Meters • Fish Height: 18.75 Meters • Heading: 87.200 Degrees • Event Number: 1 • Line Name: H21E-U04_2.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 2.75 Meters • Target Height: 0.73 Meters • Target Length: 6.32 Meters • Target Shadow: 5.89 Meters • Classification1: rock |
|  <p>A sonar image showing a dark, irregular shape on a lighter, textured seabed. A blue circle with a white '1' and the text 'Contact0107' is overlaid on the shape.</p> | <p>Contact0104</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 18:20:44 • Click Position 37.7475871586 12.3884492328 (WGS84) (X) 269909.02 (Y) 4181021.34 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_5\H21E-U04_5.004L.xtf • Ping Number: 322862 • Range to target: 46.58 Meters • Fish Height: 19.73 Meters • Heading: 51.300 Degrees • Event Number: 1 • Line Name: H21E-U04_5.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 36.23 Meters • Target Height: 0.00 Meters • Target Length: 33.66 Meters • Target Shadow: 0.00 Meters • Classification1: depression |

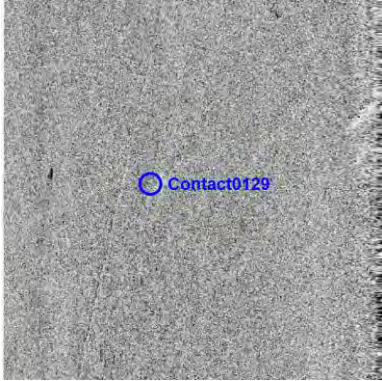
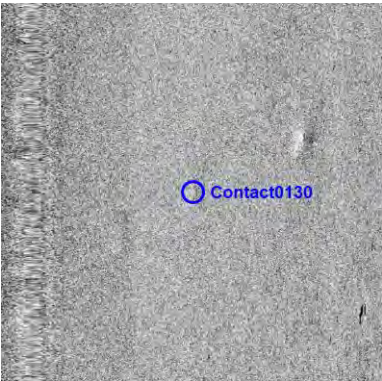

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|  | <p>Contact0105</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 18:20:15 • Click Position 37.7465308311 12.3886901788 (WGS84) (X) 269926.98 (Y) 4180903.52 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_5\H21E-U04_5.004L.xtf • Ping Number: 322765 • Range to target: 59.29 Meters • Fish Height: 19.73 Meters • Heading: 48.500 Degrees • Event Number: 1 • Line Name: H21E-U04_5.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 24.51 Meters • Target Height: 0.00 Meters • Target Length: 23.66 Meters • Target Shadow: 0.00 Meters • Classification1: depression |
|  | <p>Contact0106</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 18:20:55 • Click Position 37.7468900847 12.3894281060 (WGS84) (X) 269993.12 (Y) 4180941.57 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_5\H21E-U04_5.004L.xtf • Ping Number: 322901 • Range to target: 67.20 Meters • Fish Height: 19.34 Meters • Heading: 50.300 Degrees • Event Number: 1 • Line Name: H21E-U04_5.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 29.56 Meters • Target Height: 0.00 Meters • Target Length: 24.24 Meters • Target Shadow: 0.00 Meters • Classification1: depression |
|  | <p>Contact0107</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 18:21:01 • Click Position 37.7467585539 12.3897128990 (WGS84) (X) 270017.80 (Y) 4180926.28 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_5\H21E-U04_5.004L.xtf • Ping Number: 322921 • Range to target: 93.96 Meters • Fish Height: 18.95 Meters • Heading: 49.890 Degrees • Event Number: 1 • Line Name: H21E-U04_5.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 18.47 Meters • Target Height: 0.00 Meters • Target Length: 15.42 Meters • Target Shadow: 0.00 Meters • Classification1: depression |

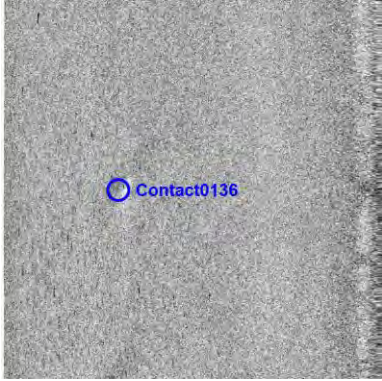
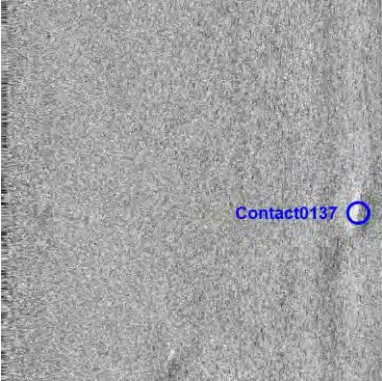

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|  | <p>Contact0109</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 20:07:46 • Click Position 37.7393804282 12.3670651975 (WGS84) (X) 267999.00 (Y) 4180163.42 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_5\H21E-U03_5L.xtf • Ping Number: 344717 • Range to target: 29.66 Meters • Fish Height: 20.90 Meters • Heading: 50.390 Degrees • Event Number: 1 • Line Name: H21E-U03_5L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.50 Meters • Target Height: 3.28 Meters • Target Length: 19.90 Meters • Target Shadow: 5.53 Meters • Classification1: boulder with debris |
|  | <p>Contact0110</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 20:05:58 • Click Position 37.7390382128 12.3645209821 (WGS84) (X) 267773.71 (Y) 4180131.75 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_5\H21E-U03_5L.xtf • Ping Number: 344348 • Range to target: 137.67 Meters • Fish Height: 22.66 Meters • Heading: 52.000 Degrees • Event Number: 1 • Line Name: H21E-U03_5L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 29.86 Meters • Target Height: 0.00 Meters • Target Length: 28.33 Meters • Target Shadow: 0.00 Meters • Classification1: depression |
|  | <p>Contact0111</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 15:40:24 • Click Position 37.7371141540 12.3681274510 (WGS84) (X) 268085.54 (Y) 4179909.28 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U02_5\H21E-U02_5L.xtf • Ping Number: 290125 • Range to target: 116.90 Meters • Fish Height: 23.44 Meters • Heading: 40.890 Degrees • Event Number: 1 • Line Name: H21E-U02_5L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 16.51 Meters • Target Height: 0.00 Meters • Target Length: 13.40 Meters • Target Shadow: 0.00 Meters • Classification1: depression |

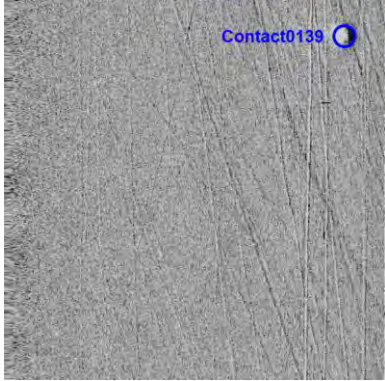
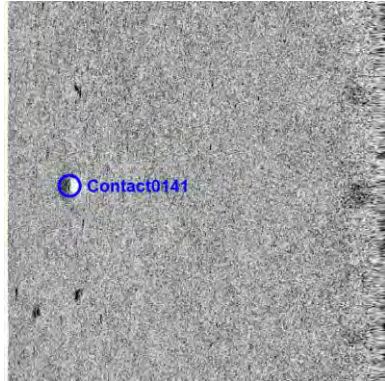
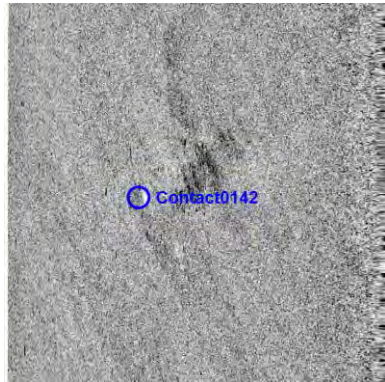
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|  | <p>Contact0112</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 17:15:17 • Click Position 37.7404108843 12.3737065434 (WGS84) (X) 268587.52 (Y) 4180261.32 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U00_5\H21E-U00_5.007L.xtf • Ping Number: 309499 • Range to target: 61.13 Meters • Fish Height: 21.48 Meters • Heading: 232.000 Degrees • Event Number: 1 • Line Name: H21E-U00_5.007L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 20.48 Meters • Target Height: 0.00 Meters • Target Length: 44.02 Meters • Target Shadow: 0.00 Meters • Classification1: depression |
|  | <p>Contact0113</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 18:08:18 • Click Position 37.7390750300 12.3763956978 (WGS84) (X) 268820.35 (Y) 4180106.42 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_5\H21E-U04_5.002L.xtf • Ping Number: 320323 • Range to target: 39.58 Meters • Fish Height: 20.31 Meters • Heading: 51.600 Degrees • Event Number: 1 • Line Name: H21E-U04_5.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 19.26 Meters • Target Height: 0.00 Meters • Target Length: 13.42 Meters • Target Shadow: 0.00 Meters • Classification1: depression |
|  | <p>Contact0114</p> <ul style="list-style-type: none"> • Sonar Time at Target: 15-Jun-21 23:54:51 • Click Position 37.7299041000 12.3284361036 (WGS84) (X) 264564.55 (Y) 4179208.28 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_3\H21E-U03_3.003L.xtf • Ping Number: 132754 • Range to target: 86.45 Meters • Fish Height: 21.09 Meters • Heading: 248.900 Degrees • Event Number: 1 • Line Name: H21E-U03_3.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 68.04 Meters • Target Height: 0.00 Meters • Target Length: 49.10 Meters • Target Shadow: 0.00 Meters • Classification1: depression |

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|  | <p>Contact0115</p> <ul style="list-style-type: none"> • Sonar Time at Target: 15-Jun-21 23:53:42 • Click Position 37.7300505089 12.3299420442 (WGS84) (X) 264697.75 (Y) 4179220.74 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_3\H21E-U03_3.003L.xtf • Ping Number: 132518 • Range to target: 134.42 Meters • Fish Height: 21.09 Meters • Heading: 246.900 Degrees • Event Number: 1 • Line Name: H21E-U03_3.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 61.89 Meters • Target Height: 0.00 Meters • Target Length: 55.93 Meters • Target Shadow: 0.00 Meters • Classification1: depression |
|  | <p>Contact0116</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 06:56:22 • Click Position 37.7273969325 12.3299650932 (WGS84) (X) 264691.38 (Y) 4178926.20 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.015L.xtf • Ping Number: 218815 • Range to target: 46.22 Meters • Fish Height: 16.99 Meters • Heading: 62.600 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.015L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 33.79 Meters • Target Height: 0.00 Meters • Target Length: 32.29 Meters • Target Shadow: 0.00 Meters • Classification1: depression |
|  | <p>Contact0117</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 06:56:32 • Click Position 37.7278599627 12.3298847406 (WGS84) (X) 264685.76 (Y) 4178977.79 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.015L.xtf • Ping Number: 218849 • Range to target: 94.78 Meters • Fish Height: 17.19 Meters • Heading: 62.690 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.015L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 36.58 Meters • Target Height: 0.00 Meters • Target Length: 38.02 Meters • Target Shadow: 0.00 Meters • Classification1: depression |

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|  | <p>Contact0119</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 06:56:53 • Click Position 37.7287032009 12.3298074595 (WGS84) (X) 264681.62 (Y) 4179071.56 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.015L.xtf • Ping Number: 218920 • Range to target: 180.45 Meters • Fish Height: 18.75 Meters • Heading: 63.300 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.015L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 29.51 Meters • Target Height: 0.00 Meters • Target Length: 28.78 Meters • Target Shadow: 0.00 Meters • Classification1: depression |
|  | <p>Contact0120</p> <ul style="list-style-type: none"> • Sonar Time at Target: 14-Jun-21 19:55:19 • Click Position 37.7272717160 12.3198302985 (WGS84) (X) 263797.64 (Y) 4178937.84 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U05_3\H21E-U05_3.003L.xtf • Ping Number: 140682 • Range to target: 141.16 Meters • Fish Height: 20.70 Meters • Heading: 246.500 Degrees • Event Number: 1 • Line Name: H21E-U05_3.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 66.43 Meters • Target Height: 0.00 Meters • Target Length: 74.12 Meters • Target Shadow: 0.00 Meters • Classification1: depression |
|  | <p>Contact0124</p> <ul style="list-style-type: none"> • Sonar Time at Target: 11-Jun-21 05:39:39 • Click Position 37.7009043722 12.1566442639 (WGS84) (X) 249324.31 (Y) 4176436.16 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U07_1\H21E-U07_1L.xtf • Ping Number: 226255 • Range to target: 169.73 Meters • Fish Height: 21.48 Meters • Heading: 253.690 Degrees • Event Number: 1 • Line Name: H21E-U07_1L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 13.36 Meters • Target Height: 0.00 Meters • Target Length: 17.39 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

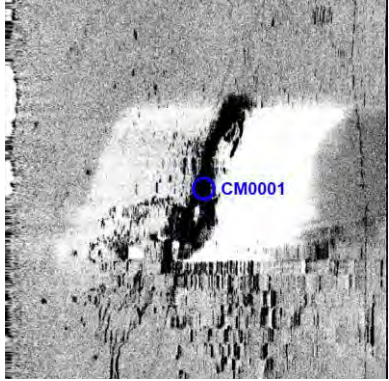
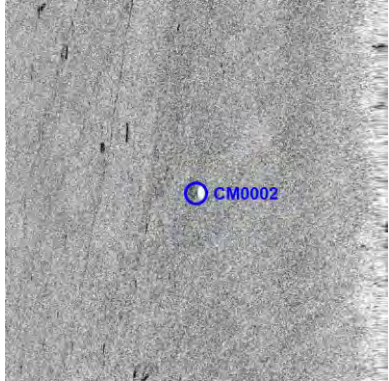
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|  | <p>Contact0125</p> <ul style="list-style-type: none"> • Sonar Time at Target: 11-Jun-21 05:41:01 • Click Position 37.7009342854 12.1550698347 (WGS84) (X) 249185.57 (Y) 4176443.70 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U07_1\H21E-U07_1L.xtf • Ping Number: 226535 • Range to target: 121.95 Meters • Fish Height: 21.29 Meters • Heading: 255.690 Degrees • Event Number: 1 • Line Name: H21E-U07_1L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.46 Meters • Target Height: 0.00 Meters • Target Length: 10.42 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0126</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 13:03:45 • Click Position 37.6988766936 12.1550495087 (WGS84) (X) 249176.84 (Y) 4176215.40 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2\H21E-U03_2.006L.xtf • Ping Number: 78608 • Range to target: 83.90 Meters • Fish Height: 19.53 Meters • Heading: 270.190 Degrees • Event Number: 1 • Line Name: H21E-U03_2.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.87 Meters • Target Height: 0.00 Meters • Target Length: 9.87 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0127</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 13:02:25 • Click Position 37.6967496849 12.1565746302 (WGS84) (X) 249304.16 (Y) 4175975.25 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U03_2\H21E-U03_2.006L.xtf • Ping Number: 78333 • Range to target: 148.95 Meters • Fish Height: 20.12 Meters • Heading: 271.690 Degrees • Event Number: 1 • Line Name: H21E-U03_2.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 14.04 Meters • Target Height: 0.00 Meters • Target Length: 20.02 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

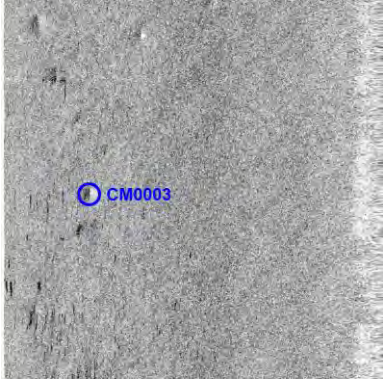
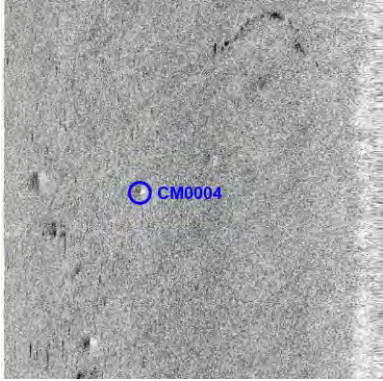
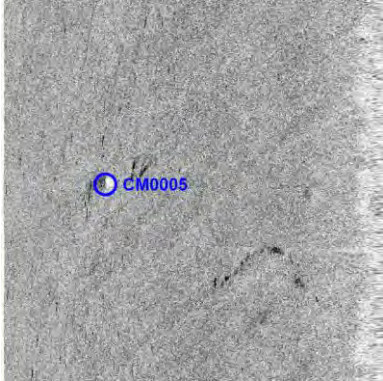
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|  | <p>Contact0128</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 21:17:56 • Click Position 37.7000836087 12.1581856814 (WGS84) (X) 249457.46 (Y) 4176340.94 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U07_2\H21E-U07_2.006L.xtf • Ping Number: 179504 • Range to target: 138.80 Meters • Fish Height: 20.90 Meters • Heading: 270.800 Degrees • Event Number: 1 • Line Name: H21E-U07_2.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 12.54 Meters • Target Height: 0.00 Meters • Target Length: 16.17 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0129</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 18:11:30 • Click Position 37.6957760542 12.1580553629 (WGS84) (X) 249431.46 (Y) 4175863.23 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U00_2\H21E-U00_2L.xtf • Ping Number: 141440 • Range to target: 186.47 Meters • Fish Height: 18.16 Meters • Heading: 89.500 Degrees • Event Number: 1 • Line Name: H21E-U00_2L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 16.11 Meters • Target Height: 0.00 Meters • Target Length: 20.79 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  | <p>Contact0130</p> <ul style="list-style-type: none"> • Sonar Time at Target: 12-Jun-21 14:02:29 • Click Position 37.6951107417 12.1553729614 (WGS84) (X) 249192.66 (Y) 4175796.58 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_2\H21E-U04_2L.xtf • Ping Number: 90599 • Range to target: 84.08 Meters • Fish Height: 18.75 Meters • Heading: 87.100 Degrees • Event Number: 1 • Line Name: H21E-U04_2L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.65 Meters • Target Height: 0.00 Meters • Target Length: 9.96 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

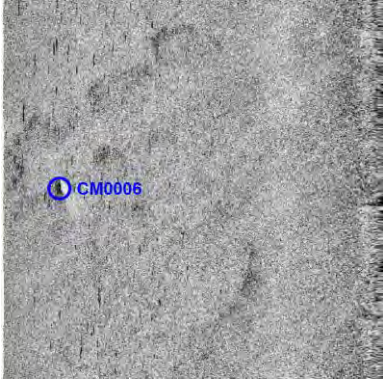
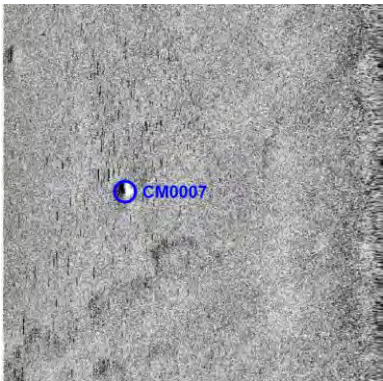
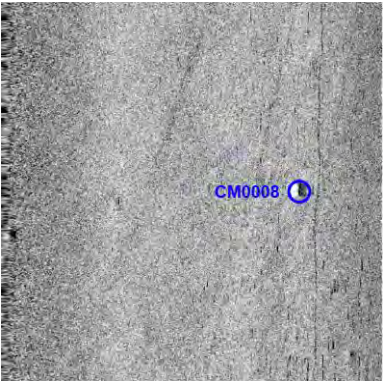
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|  <p>Contact0139</p> | <p>Contact0131</p> <ul style="list-style-type: none"> • Sonar Time at Target: 13-Jun-21 02:01:55 • Click Position 37.6799352652 12.1131445176 (WGS84) (X) 245416.71 (Y) 4174226.36 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U02\H21E-U02L.xtf • Ping Number: 237486 • Range to target: 177.91 Meters • Fish Height: 19.34 Meters • Heading: 222.790 Degrees • Event Number: 1 • Line Name: H21E-U02L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.82 Meters • Target Height: 0.00 Meters • Target Length: 13.92 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>Contact0141</p> | <p>Contact0133</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-Jun-21 05:51:37 • Click Position 37.6981047850 12.2572022306 (WGS84) (X) 258182.34 (Y) 4175860.91 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U04_3B\H21E-U04_3B.002L.xtf • Ping Number: 205593 • Range to target: 165.75 Meters • Fish Height: 25.98 Meters • Heading: 57.000 Degrees • Event Number: 1 • Line Name: H21E-U04_3B.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.79 Meters • Target Height: 0.00 Meters • Target Length: 9.06 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |
|  <p>Contact0142</p> | <p>Contact0134</p> <ul style="list-style-type: none"> • Sonar Time at Target: 15-Jun-21 21:50:27 • Click Position 37.6982181123 12.2529875375 (WGS84) (X) 257811.05 (Y) 4175884.38 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21E-U02_3\H21E-U02_3.002L.xtf • Ping Number: 107353 • Range to target: 129.61 Meters • Fish Height: 26.17 Meters • Heading: 57.390 Degrees • Event Number: 1 • Line Name: H21E-U02_3.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.22 Meters • Target Height: 0.00 Meters • Target Length: 10.62 Meters • Target Shadow: 0.00 Meters • Classification1: pockmark |

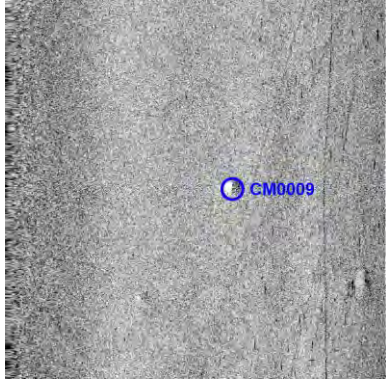
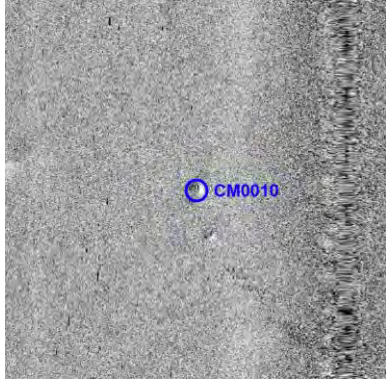
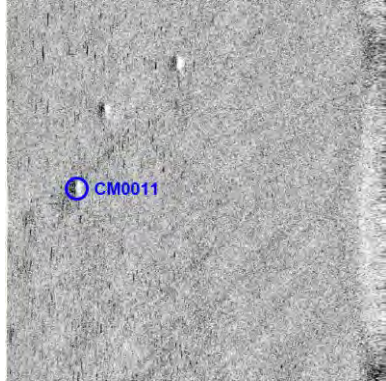
Hannibal Floating Offshore Windfarm Geophysical Survey

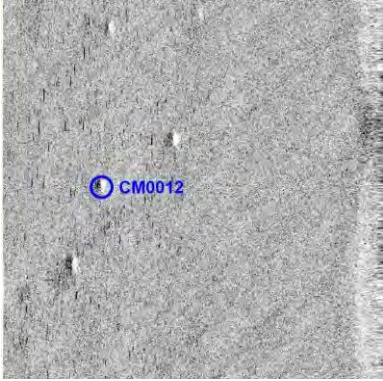
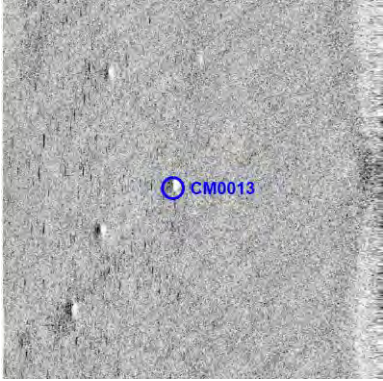

Contact Report – Main Site area

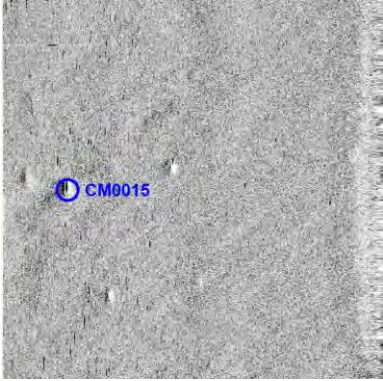
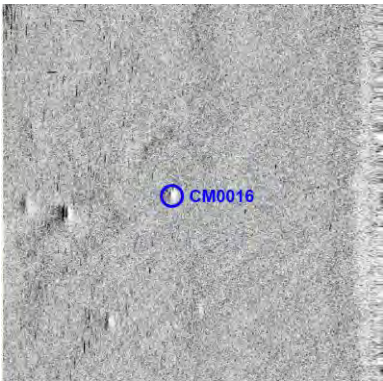
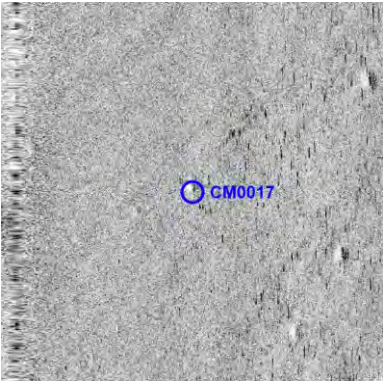
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|  | <p>CM0001</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 08:26:38 • Click Position 37.6629912279 12.0888602484 (WGS84) (X) 243216.25 (Y) 4172412.18 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U33A\H21S-U33AL.xtf • Ping Number: 511585 • Range to target: 103.72 Meters • Fish Height: 19.08 Meters • Heading: 222.290 Degrees • Event Number: 1 • Line Name: H21S-U33AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 22.47 Meters • Target Height: 6.21 Meters • Target Length: 102.98 Meters • Target Shadow: 50.00 Meters • Classification1: wreck |
|  | <p>CM0002</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 06:27:03 • Click Position 37.6460646392 12.1072735706 (WGS84) (X) 244782.80 (Y) 4170483.32 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U05A\H21S-U05A.013L.xtf • Ping Number: 781176 • Range to target: 98.41 Meters • Fish Height: 21.68 Meters • Heading: 34.800 Degrees • Event Number: 1 • Line Name: H21S-U05A.013L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.87 Meters • Target Height: 0.68 Meters • Target Length: 7.88 Meters • Target Shadow: 3.17 Meters • Classification1: pockmark |

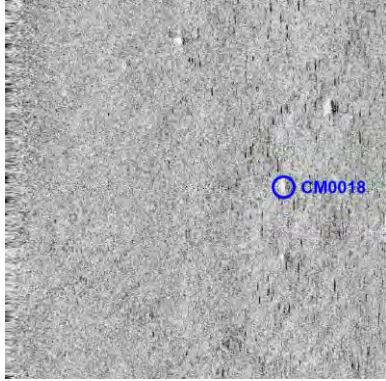
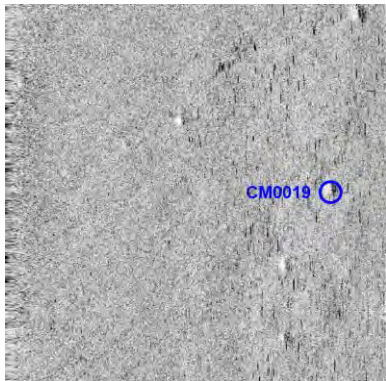
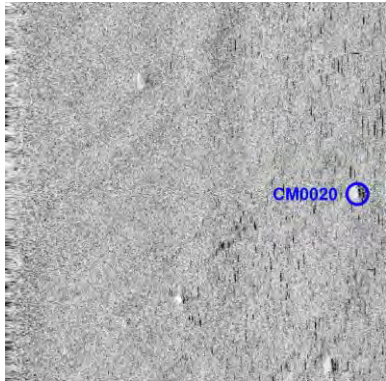
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|  | <p>CM0003</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 06:23:52 • Click Position 37.6442123742 12.1046140528 (WGS84) (X) 244541.76 (Y) 4170285.00 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U05A\H21S-U05A.013L.xtf • Ping Number: 780527 • Range to target: 153.88 Meters • Fish Height: 21.29 Meters • Heading: 36.300 Degrees • Event Number: 1 • Line Name: H21S-U05A.013L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.68 Meters • Target Height: 0.37 Meters • Target Length: 5.11 Meters • Target Shadow: 2.75 Meters • Classification1: pockmark |
|  | <p>CM0004</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 06:24:42 • Click Position 37.6445925106 12.1054002565 (WGS84) (X) 244612.44 (Y) 4170325.04 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U05A\H21S-U05A.013L.xtf • Ping Number: 780694 • Range to target: 127.52 Meters • Fish Height: 20.12 Meters • Heading: 35.300 Degrees • Event Number: 1 • Line Name: H21S-U05A.013L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.32 Meters • Target Height: 0.37 Meters • Target Length: 2.78 Meters • Target Shadow: 2.38 Meters • Classification1: pockmark |
|  | <p>CM0005</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 06:26:00 • Click Position 37.6455672294 12.1061065865 (WGS84) (X) 244678.11 (Y) 4170431.29 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U05A\H21S-U05A.013L.xtf • Ping Number: 780961 • Range to target: 145.38 Meters • Fish Height: 20.12 Meters • Heading: 36.800 Degrees • Event Number: 1 • Line Name: H21S-U05A.013L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.86 Meters • Target Height: 0.73 Meters • Target Length: 6.70 Meters • Target Shadow: 5.49 Meters • Classification1: pockmark |

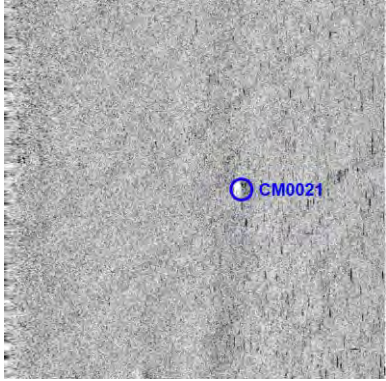
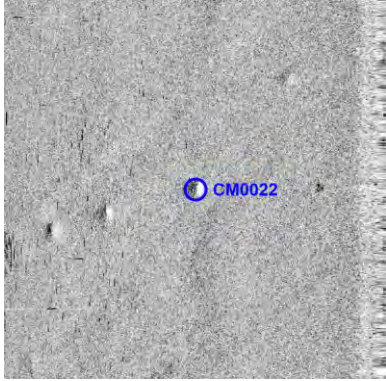
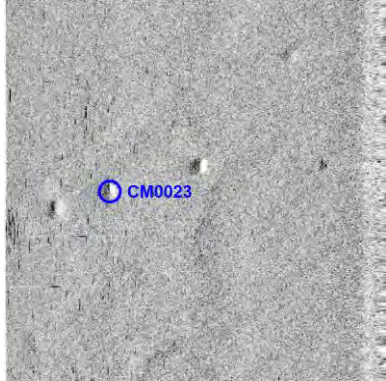
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|  | <p>CM0006</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 00:36:09 • Click Position 37.6458436554 12.1010504095 (WGS84) (X) 244232.87 (Y) 4170475.76 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U09A\H21S-U09A.010L.xtf • Ping Number: 709534 • Range to target: 169.39 Meters • Fish Height: 18.95 Meters • Heading: 34.500 Degrees • Event Number: 1 • Line Name: H21S-U09A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.11 Meters • Target Height: 0.43 Meters • Target Length: 7.48 Meters • Target Shadow: 3.95 Meters • Classification1: pockmark |
|  | <p>CM0007</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 00:37:13 • Click Position 37.6462748560 12.1021029319 (WGS84) (X) 244327.23 (Y) 4170520.74 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U09A\H21S-U09A.010L.xtf • Ping Number: 709749 • Range to target: 135.17 Meters • Fish Height: 19.34 Meters • Heading: 35.390 Degrees • Event Number: 1 • Line Name: H21S-U09A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.51 Meters • Target Height: 0.54 Meters • Target Length: 6.69 Meters • Target Shadow: 3.90 Meters • Classification1: pockmark |
|  | <p>CM0008</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 00:37:51 • Click Position 37.6451644796 12.1051774720 (WGS84) (X) 244594.74 (Y) 4170389.13 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U09A\H21S-U09A.010L.xtf • Ping Number: 709879 • Range to target: 155.79 Meters • Fish Height: 20.31 Meters • Heading: 35.890 Degrees • Event Number: 1 • Line Name: H21S-U09A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.47 Meters • Target Height: 0.74 Meters • Target Length: 8.30 Meters • Target Shadow: 5.86 Meters • Classification1: pockmark |

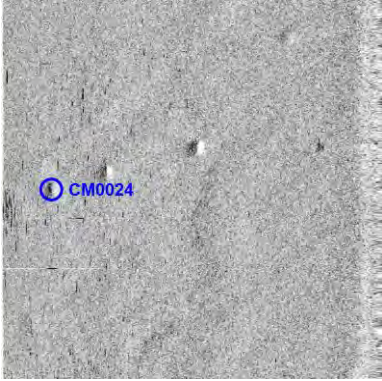
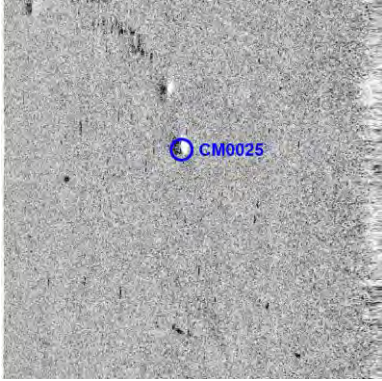
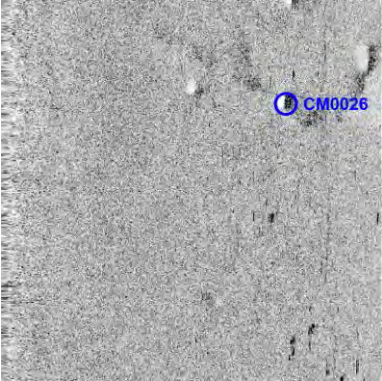
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|  | <p>CM0009</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 00:39:31 • Click Position 37.6465049157 12.1059552171 (WGS84) (X) 244667.97 (Y) 4170535.77 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U09A\H21S-U09A.010L.xtf • Ping Number: 710221 • Range to target: 118.81 Meters • Fish Height: 21.09 Meters • Heading: 36.500 Degrees • Event Number: 1 • Line Name: H21S-U09A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.48 Meters • Target Height: 0.73 Meters • Target Length: 6.69 Meters • Target Shadow: 4.28 Meters • Classification1: pockmark |
|  | <p>CM0010</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 00:39:20 • Click Position 37.6475582558 12.1041526149 (WGS84) (X) 244512.51 (Y) 4170657.59 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U09A\H21S-U09A.010L.xtf • Ping Number: 710183 • Range to target: 77.79 Meters • Fish Height: 21.48 Meters • Heading: 35.100 Degrees • Event Number: 1 • Line Name: H21S-U09A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.34 Meters • Target Height: 0.93 Meters • Target Length: 3.95 Meters • Target Shadow: 3.52 Meters • Classification1: pockmark |
|  | <p>CM0011</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:48:13 • Click Position 37.6444813031 12.1023355804 (WGS84) (X) 244341.61 (Y) 4170321.06 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60403 • Range to target: 162.59 Meters • Fish Height: 20.12 Meters • Heading: 36.800 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.08 Meters • Target Height: 0.43 Meters • Target Length: 7.10 Meters • Target Shadow: 3.52 Meters • Classification1: pockmark |

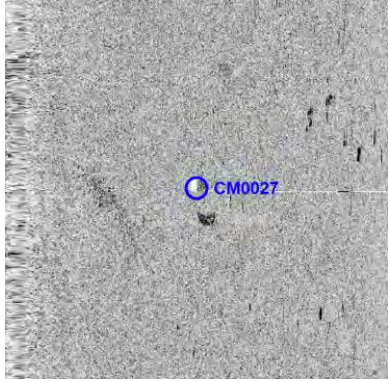
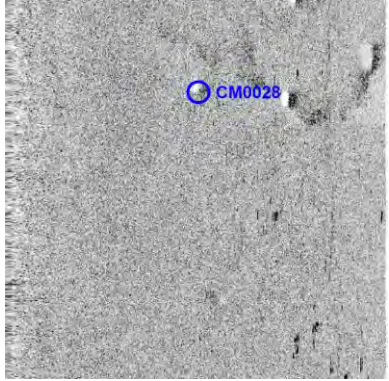
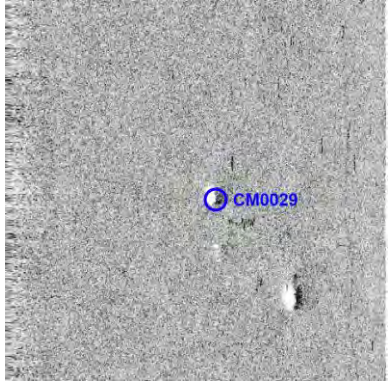
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|  | <p>CM0012</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:48:36 • Click Position 37.6446736830 12.1027809606 (WGS84) (X) 244381.57 (Y) 4170341.19 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60482 • Range to target: 147.50 Meters • Fish Height: 16.60 Meters • Heading: 35.890 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.12 Meters • Target Height: 0.43 Meters • Target Length: 8.74 Meters • Target Shadow: 3.92 Meters • Classification1: pockmark |
|  | <p>CM0013</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:48:49 • Click Position 37.6446082230 12.1032741459 (WGS84) (X) 244424.87 (Y) 4170332.58 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60527 • Range to target: 110.31 Meters • Fish Height: 15.62 Meters • Heading: 35.300 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.87 Meters • Target Height: 0.54 Meters • Target Length: 6.30 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |
|  | <p>CM0014</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:49:24 • Click Position 37.6452206487 12.1034542115 (WGS84) (X) 244442.86 (Y) 4170400.06 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60645 • Range to target: 144.10 Meters • Fish Height: 18.16 Meters • Heading: 34.500 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.11 Meters • Target Height: 0.29 Meters • Target Length: 5.51 Meters • Target Shadow: 2.34 Meters • Classification1: pockmark |

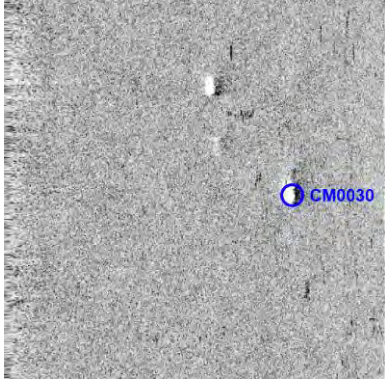
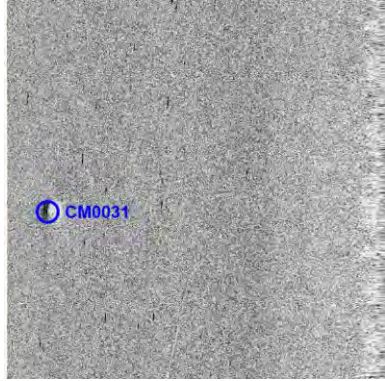

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|  | <p>CM0015</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:49:56 • Click Position 37.6457068588 12.1036778788 (WGS84) (X) 244464.27 (Y) 4170453.41 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60753 • Range to target: 165.14 Meters • Fish Height: 19.73 Meters • Heading: 35.100 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.73 Meters • Target Height: 0.37 Meters • Target Length: 6.73 Meters • Target Shadow: 3.17 Meters • Classification1: pockmark |
|  | <p>CM0016</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:50:02 • Click Position 37.6454553225 12.1042193095 (WGS84) (X) 244511.18 (Y) 4170424.02 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60774 • Range to target: 110.73 Meters • Fish Height: 19.53 Meters • Heading: 35.000 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.48 Meters • Target Height: 0.41 Meters • Target Length: 7.72 Meters • Target Shadow: 2.37 Meters • Classification1: pockmark |
|  | <p>CM0017</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:49:04 • Click Position 37.6435561586 12.1051773742 (WGS84) (X) 244589.22 (Y) 4170210.63 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60577 • Range to target: 92.67 Meters • Fish Height: 16.60 Meters • Heading: 33.890 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.30 Meters • Target Height: 0.48 Meters • Target Length: 4.02 Meters • Target Shadow: 2.75 Meters • Classification1: pockmark |

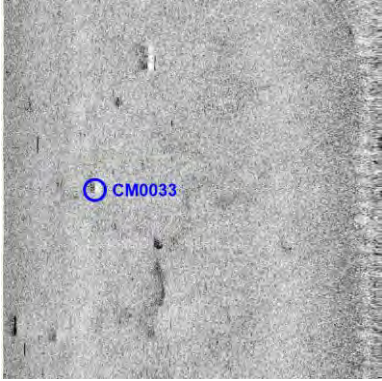
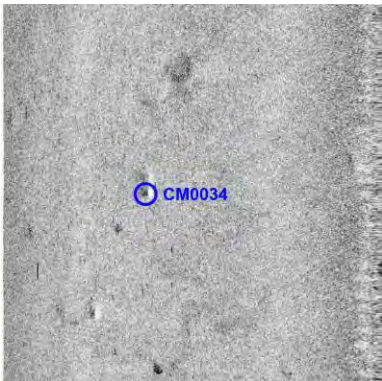
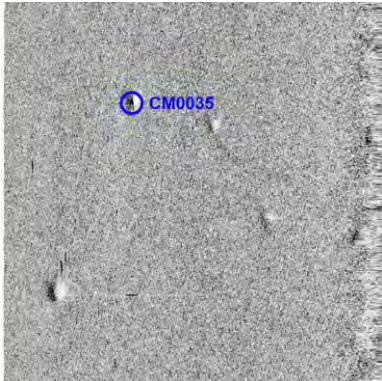
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|  | <p>CM0018</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:48:22 • Click Position 37.6427413392 12.1050607247 (WGS84) (X) 244576.13 (Y) 4170120.52 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60433 • Range to target: 145.59 Meters • Fish Height: 18.36 Meters • Heading: 36.300 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.08 Meters • Target Height: 0.39 Meters • Target Length: 7.48 Meters • Target Shadow: 3.14 Meters • Classification1: pockmark |
|  | <p>CM0019</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:48:44 • Click Position 37.6428526304 12.1055585207 (WGS84) (X) 244620.45 (Y) 4170131.51 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60509 • Range to target: 170.03 Meters • Fish Height: 16.02 Meters • Heading: 35.390 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.69 Meters • Target Height: 0.40 Meters • Target Length: 6.73 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0020</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:49:37 • Click Position 37.6434060843 12.1063965244 (WGS84) (X) 244696.30 (Y) 4170190.65 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60689 • Range to target: 183.85 Meters • Fish Height: 19.34 Meters • Heading: 33.600 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.30 Meters • Target Height: 0.52 Meters • Target Length: 6.69 Meters • Target Shadow: 5.07 Meters • Classification1: pockmark |

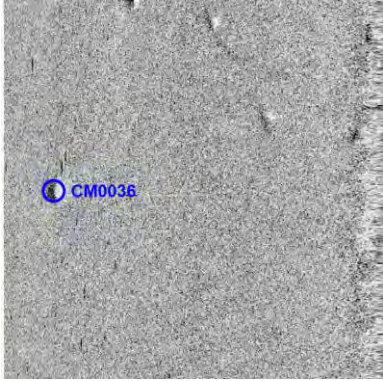
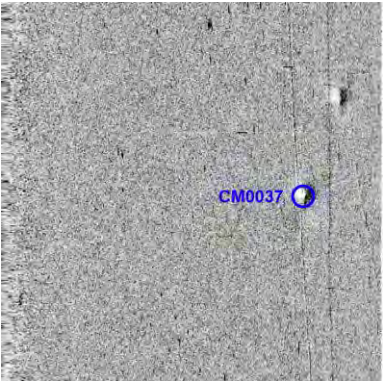
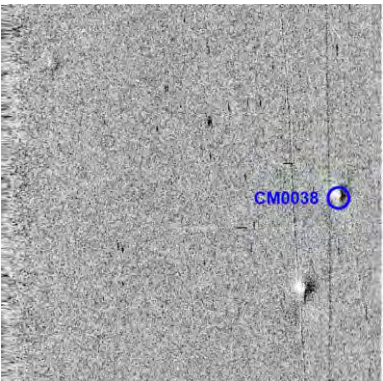
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|  | <p>CM0021</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:51:09 • Click Position 37.6448678267 12.1070765138 (WGS84) (X) 244761.31 (Y) 4170351.03 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsh21S-U07A\H21S-U07A.016.jsf • Ping Number: 61001 • Range to target: 123.91 Meters • Fish Height: 17.77 Meters • Heading: 32.690 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.07 Meters • Target Height: 0.60 Meters • Target Length: 7.08 Meters • Target Shadow: 4.34 Meters • Classification1: pockmark |
|  | <p>CM0022</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:51:17 • Click Position 37.6462557327 12.1052585970 (WGS84) (X) 244605.64 (Y) 4170510.01 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsh21S-U07A\H21S-U07A.016.jsf • Ping Number: 61028 • Range to target: 98.19 Meters • Fish Height: 18.36 Meters • Heading: 34.190 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.05 Meters • Target Height: 0.78 Meters • Target Length: 7.52 Meters • Target Shadow: 4.33 Meters • Classification1: pockmark |
|  | <p>CM0023</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:51:09 • Click Position 37.6464362031 12.1047595364 (WGS84) (X) 244562.22 (Y) 4170531.40 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsh21S-U07A\H21S-U07A.016.jsf • Ping Number: 61002 • Range to target: 144.74 Meters • Fish Height: 17.77 Meters • Heading: 32.300 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.68 Meters • Target Height: 0.47 Meters • Target Length: 6.70 Meters • Target Shadow: 3.94 Meters • Classification1: pockmark |

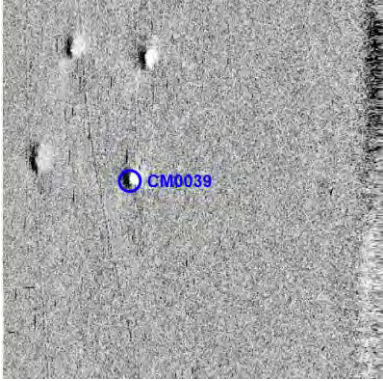
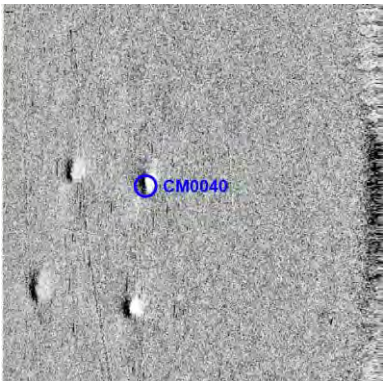
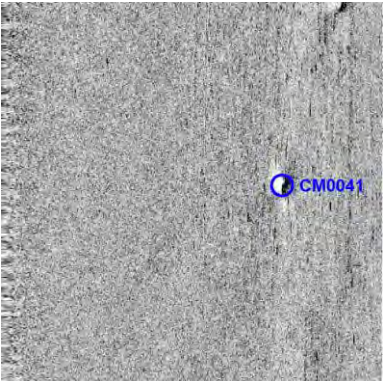
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|  | <p>CM0024</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 22:51:04 • Click Position 37.6465446147 12.1044459840 (WGS84) (X) 244534.92 (Y) 4170544.29 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U07A\H21S-U07A.016.jsf • Ping Number: 60985 • Range to target: 173.64 Meters • Fish Height: 17.97 Meters • Heading: 32.600 Degrees • Event Number: (-1) • Line Name: H21S-U07A.016 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.29 Meters • Target Height: 0.48 Meters • Target Length: 6.69 Meters • Target Shadow: 4.73 Meters • Classification1: pockmark |
|  | <p>CM0025</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:03:44 • Click Position 37.6476755432 12.1043947937 (WGS84) (X) 244534.28 (Y) 4170669.94 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.001L.xtf • Ping Number: 93764 • Range to target: 105.63 Meters • Fish Height: 22.66 Meters • Heading: 224.090 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.64 Meters • Target Height: 1.04 Meters • Target Length: 10.24 Meters • Target Shadow: 5.09 Meters • Classification1: pockmark |
|  | <p>CM0026</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:03:58 • Click Position 37.6490901812 12.1021104617 (WGS84) (X) 244337.56 (Y) 4170833.17 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.001L.xtf • Ping Number: 93810 • Range to target: 148.78 Meters • Fish Height: 22.27 Meters • Heading: 223.400 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.68 Meters • Target Height: 0.79 Meters • Target Length: 7.91 Meters • Target Shadow: 5.48 Meters • Classification1: pockmark |

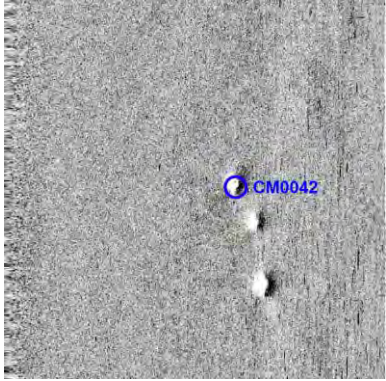
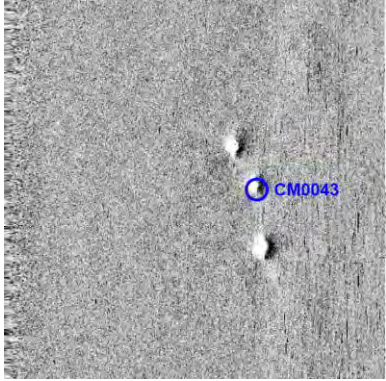
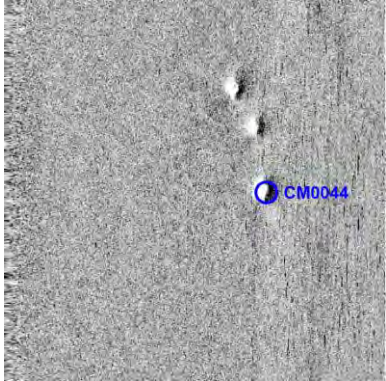
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|  | <p>CM0027</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:02:28 • Click Position 37.6498226189 12.1038421736 (WGS84) (X) 244492.88 (Y) 4170909.73 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.001L.xtf • Ping Number: 93505 • Range to target: 93.30 Meters • Fish Height: 19.14 Meters • Heading: 223.700 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.69 Meters • Target Height: 0.70 Meters • Target Length: 6.31 Meters • Target Shadow: 3.52 Meters • Classification1: pockmark |
|  | <p>CM0028</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:04:00 • Click Position 37.6487582557 12.1024610065 (WGS84) (X) 244367.35 (Y) 4170795.38 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.001L.xtf • Ping Number: 93820 • Range to target: 100.96 Meters • Fish Height: 22.46 Meters • Heading: 224.400 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.98 Meters • Target Height: 1.08 Meters • Target Length: 6.73 Meters • Target Shadow: 5.09 Meters • Classification1: pockmark |
|  | <p>CM0029</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:00:44 • Click Position 37.6512096185 12.1051616933 (WGS84) (X) 244614.07 (Y) 4171060.07 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.001L.xtf • Ping Number: 93151 • Range to target: 110.09 Meters • Fish Height: 21.09 Meters • Heading: 222.500 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.62 Meters • Target Height: 1.14 Meters • Target Length: 9.06 Meters • Target Shadow: 6.27 Meters • Classification1: pockmark |

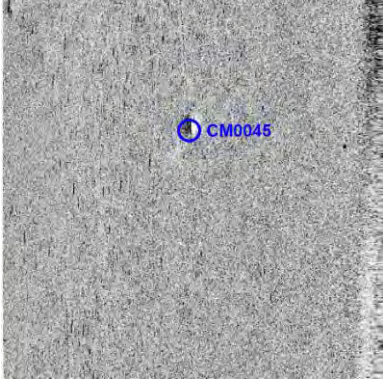
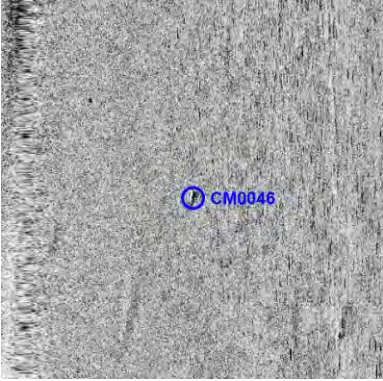
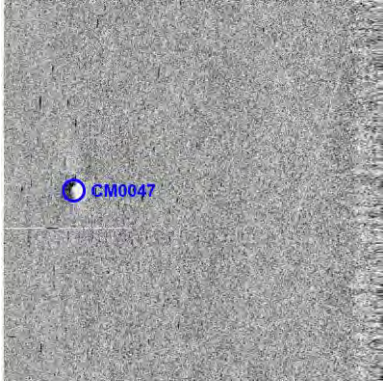
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|  | <p>CM0030</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:00:18 • Click Position 37.6518088151 12.1051984537 (WGS84) (X) 244619.37 (Y) 4171126.47 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.001L.xtf • Ping Number: 93063 • Range to target: 150.69 Meters • Fish Height: 19.73 Meters • Heading: 220.500 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.001L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 12.19 Meters • Target Height: 0.92 Meters • Target Length: 12.19 Meters • Target Shadow: 7.41 Meters • Classification1: pockmark |
|  | <p>CM0031</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 00:43:31 • Click Position 37.6509859222 12.1064371132 (WGS84) (X) 244725.85 (Y) 4171031.77 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U09A\H21S-U09A.012L.xtf • Ping Number: 711037 • Range to target: 177.34 Meters • Fish Height: 23.24 Meters • Heading: 35.300 Degrees • Event Number: 1 • Line Name: H21S-U09A.012L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.50 Meters • Target Height: 0.79 Meters • Target Length: 8.34 Meters • Target Shadow: 6.27 Meters • Classification1: pockmark |
|  | <p>CM0032</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:05:37 • Click Position 37.6475751585 12.1009558052 (WGS84) (X) 244230.47 (Y) 4170668.18 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.003L.xtf • Ping Number: 94148 • Range to target: 116.92 Meters • Fish Height: 18.95 Meters • Heading: 223.290 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.07 Meters • Target Height: 0.79 Meters • Target Length: 7.52 Meters • Target Shadow: 5.09 Meters • Classification1: pockmark |

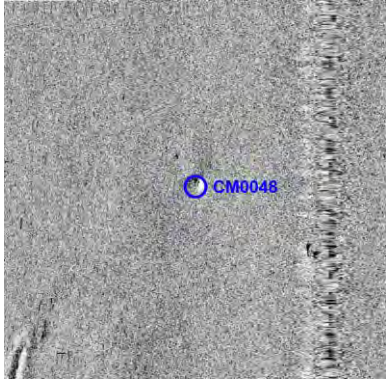
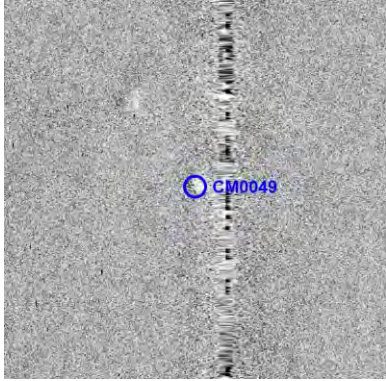
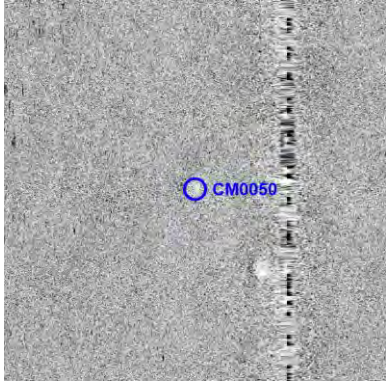
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|  | <p>CM0033</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:06:06 • Click Position 37.6456607353 12.1029025396 (WGS84) (X) 244395.69 (Y) 4170450.40 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.003L.xtf • Ping Number: 94248 • Range to target: 151.06 Meters • Fish Height: 20.31 Meters • Heading: 221.900 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.29 Meters • Target Height: 0.47 Meters • Target Length: 5.18 Meters • Target Shadow: 3.55 Meters • Classification1: pockmark |
|  | <p>CM0034</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:06:42 • Click Position 37.6453698040 12.1022032955 (WGS84) (X) 244332.98 (Y) 4170420.02 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.003L.xtf • Ping Number: 94369 • Range to target: 124.47 Meters • Fish Height: 22.07 Meters • Heading: 222.500 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 3.54 Meters • Target Height: 0.48 Meters • Target Length: 3.15 Meters • Target Shadow: 2.75 Meters • Classification1: pockmark |
|  | <p>CM0035</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 01:47:16 • Click Position 37.6478928785 12.1025253148 (WGS84) (X) 244370.06 (Y) 4170699.16 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13AL.xtf • Ping Number: 724053 • Range to target: 131.72 Meters • Fish Height: 20.90 Meters • Heading: 221.200 Degrees • Event Number: 1 • Line Name: H21S-U13AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.34 Meters • Target Height: 0.55 Meters • Target Length: 7.13 Meters • Target Shadow: 3.56 Meters • Classification1: pockmark |

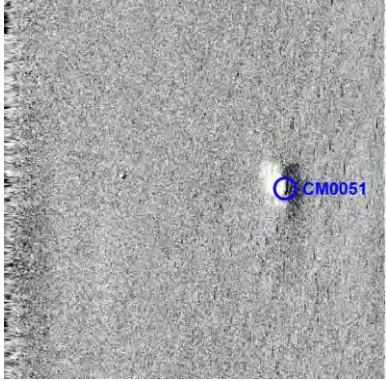
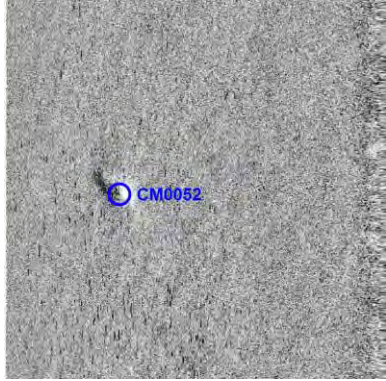
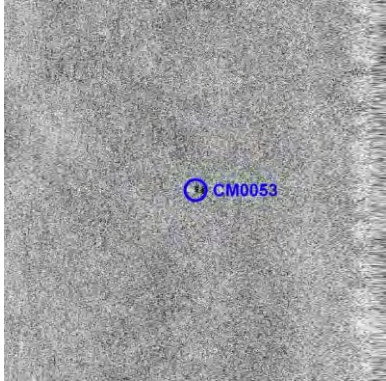
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|  | <p>CM0036</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 01:46:25 • Click Position 37.6483467509 12.1036172931 (WGS84) (X) 244467.97 (Y) 4170746.55 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13AL.xtf • Ping Number: 723877 • Range to target: 172.51 Meters • Fish Height: 21.48 Meters • Heading: 221.500 Degrees • Event Number: 1 • Line Name: H21S-U13AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.26 Meters • Target Height: 0.71 Meters • Target Length: 9.05 Meters • Target Shadow: 5.92 Meters • Classification1: pockmark |
|  | <p>CM0037</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 01:45:50 • Click Position 37.6507122051 12.1012209110 (WGS84) (X) 244264.63 (Y) 4171015.61 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13AL.xtf • Ping Number: 723758 • Range to target: 157.70 Meters • Fish Height: 21.29 Meters • Heading: 223.090 Degrees • Event Number: 1 • Line Name: H21S-U13AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.26 Meters • Target Height: 0.76 Meters • Target Length: 8.67 Meters • Target Shadow: 5.85 Meters • Classification1: pockmark |
|  | <p>CM0038</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 01:46:15 • Click Position 37.6504891253 12.1007219625 (WGS84) (X) 244219.83 (Y) 4170992.22 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13AL.xtf • Ping Number: 723843 • Range to target: 176.13 Meters • Fish Height: 21.29 Meters • Heading: 223.790 Degrees • Event Number: 1 • Line Name: H21S-U13AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.43 Meters • Target Height: 0.56 Meters • Target Length: 9.46 Meters • Target Shadow: 4.76 Meters • Classification1: pockmark |

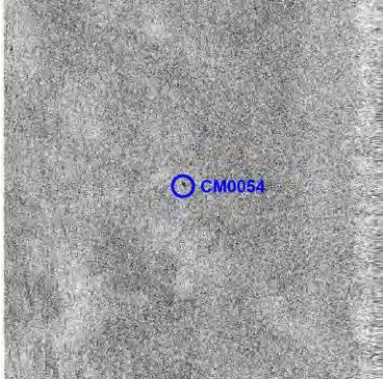
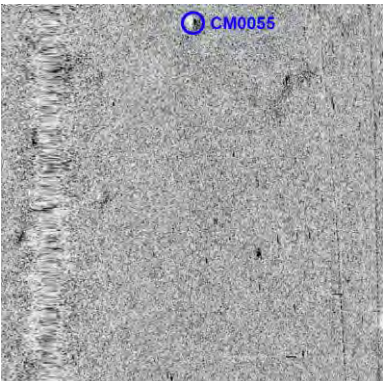
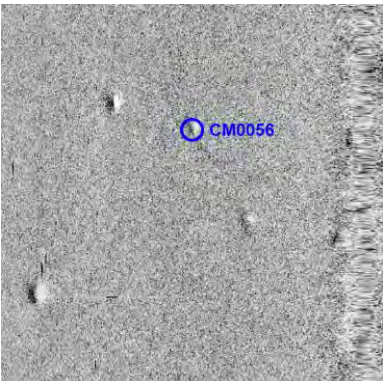
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|  | <p>CM0039</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 23:55:44 • Click Position 37.6511689121 12.1008765055 (WGS84) (X) 244235.81 (Y) 4171067.24 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.jsf • Ping Number: 74163 • Range to target: 132.63 Meters • Fish Height: 15.43 Meters • Heading: 223.200 Degrees • Event Number: (-1) • Line Name: H21S-U17A • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.79 Meters • Target Height: 0.70 Meters • Target Length: 12.23 Meters • Target Shadow: 6.35 Meters • Classification1: pockmark |
|  | <p>CM0040</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 23:56:13 • Click Position 37.6508338267 12.1003854524 (WGS84) (X) 244191.32 (Y) 4171031.39 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.jsf • Ping Number: 74264 • Range to target: 124.47 Meters • Fish Height: 14.84 Meters • Heading: 221.700 Degrees • Event Number: (-1) • Line Name: H21S-U17A • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.64 Meters • Target Height: 0.67 Meters • Target Length: 10.62 Meters • Target Shadow: 5.92 Meters • Classification1: pockmark |
|  | <p>CM0041</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 23:55:37 • Click Position 37.6529729641 12.0986639991 (WGS84) (X) 244046.77 (Y) 4171273.50 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.jsf • Ping Number: 74141 • Range to target: 146.83 Meters • Fish Height: 16.02 Meters • Heading: 224.200 Degrees • Event Number: (-1) • Line Name: H21S-U17A • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 12.57 Meters • Target Height: 0.77 Meters • Target Length: 11.14 Meters • Target Shadow: 7.47 Meters • Classification1: pockmark |

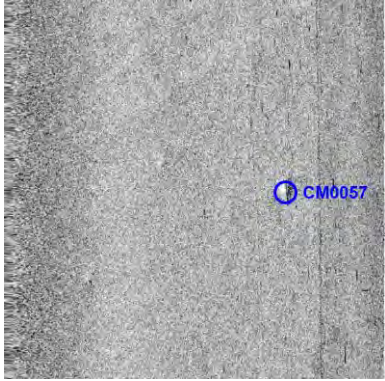
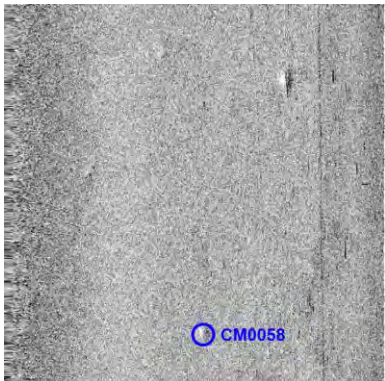
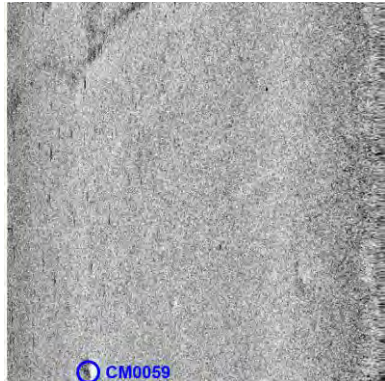
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|  | <p>CM0042</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 23:54:32 • Click Position 37.6536401245 12.0998426734 (WGS84) (X) 244153.07 (Y) 4171344.32 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.jsf • Ping Number: 73920 • Range to target: 121.15 Meters • Fish Height: 16.41 Meters • Heading: 222.200 Degrees • Event Number: (-1) • Line Name: H21S-U17A • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.81 Meters • Target Height: 0.91 Meters • Target Length: 11.05 Meters • Target Shadow: 7.13 Meters • Classification1: pockmark |
|  | <p>CM0043</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 23:54:22 • Click Position 37.6538326971 12.0998850661 (WGS84) (X) 244157.47 (Y) 4171365.58 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.jsf • Ping Number: 73884 • Range to target: 132.02 Meters • Fish Height: 15.23 Meters • Heading: 224.090 Degrees • Event Number: (-1) • Line Name: H21S-U17A • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.83 Meters • Target Height: 0.74 Meters • Target Length: 9.06 Meters • Target Shadow: 6.73 Meters • Classification1: pockmark |
|  | <p>CM0044</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 23:54:06 • Click Position 37.6540677292 12.1000503038 (WGS84) (X) 244172.86 (Y) 4171391.21 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.jsf • Ping Number: 73830 • Range to target: 137.16 Meters • Fish Height: 14.84 Meters • Heading: 223.590 Degrees • Event Number: (-1) • Line Name: H21S-U17A • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 12.19 Meters • Target Height: 0.81 Meters • Target Length: 11.48 Meters • Target Shadow: 7.92 Meters • Classification1: pockmark |

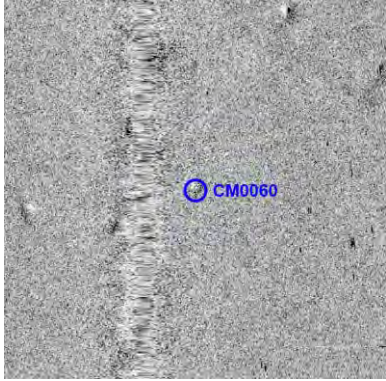
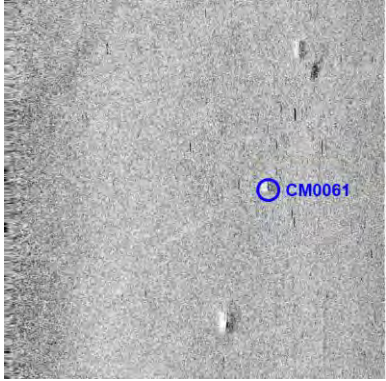

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|  | <p>CM0045</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 23:58:26 • Click Position 37.6488700575 12.0981969011 (WGS84) (X) 243991.46 (Y) 4170819.43 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.jsf • Ping Number: 74717 • Range to target: 101.81 Meters • Fish Height: 16.41 Meters • Heading: 221.700 Degrees • Event Number: (-1) • Line Name: H21S-U17A • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.65 Meters • Target Height: 0.83 Meters • Target Length: 9.52 Meters • Target Shadow: 5.44 Meters • Classification1: pockmark |
|  | <p>CM0046</p> <ul style="list-style-type: none"> • Sonar Time at Target: 08-May-21 23:58:04 • Click Position 37.6502559612 12.0968472661 (WGS84) (X) 243877.12 (Y) 4170976.93 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.jsf • Ping Number: 74640 • Range to target: 87.61 Meters • Fish Height: 16.60 Meters • Heading: 221.590 Degrees • Event Number: (-1) • Line Name: H21S-U17A • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.32 Meters • Target Height: 0.22 Meters • Target Length: 5.57 Meters • Target Shadow: 1.18 Meters • Classification1: pockmark |
|  | <p>CM0047</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 03:00:48 • Click Position 37.6571889946 12.0974244294 (WGS84) (X) 243951.89 (Y) 4171744.79 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.012L.xtf • Ping Number: 80915 • Range to target: 161.93 Meters • Fish Height: 21.68 Meters • Heading: 33.600 Degrees • Event Number: 1 • Line Name: H21S-U21A.012L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.73 Meters • Target Height: 0.85 Meters • Target Length: 10.30 Meters • Target Shadow: 6.61 Meters • Classification1: pockmark |

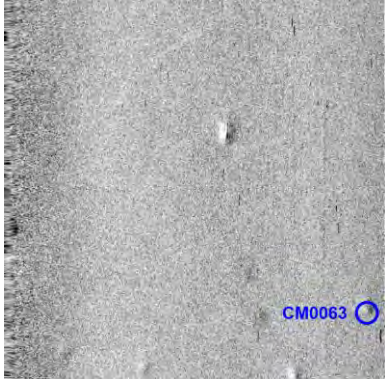
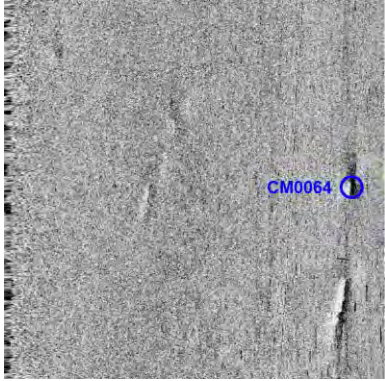
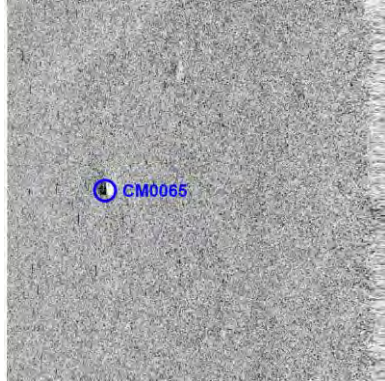
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|  | <p>CM0048</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:59:38 • Click Position 37.6558456301 12.0974080346 (WGS84) (X) 243945.82 (Y) 4171595.75 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.012L.xtf • Ping Number: 80675 • Range to target: 69.79 Meters • Fish Height: 20.70 Meters • Heading: 34.500 Degrees • Event Number: 1 • Line Name: H21S-U21A.012L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.63 Meters • Target Height: 0.78 Meters • Target Length: 6.35 Meters • Target Shadow: 2.72 Meters • Classification1: pockmark |
|  | <p>CM0049</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 18:00:56 • Click Position 37.6137175514 12.0484472185 (WGS84) (X) 239478.54 (Y) 4167055.20 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U25A\H21S-U25A.006L.xtf • Ping Number: 628839 • Range to target: 16.01 Meters • Fish Height: 21.09 Meters • Heading: 32.890 Degrees • Event Number: 1 • Line Name: H21S-U25A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.40 Meters • Target Height: 2.73 Meters • Target Length: 7.80 Meters • Target Shadow: 2.38 Meters • Classification1: pockmark |
|  | <p>CM0050</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 18:01:21 • Click Position 37.6142075008 12.0484890258 (WGS84) (X) 239483.94 (Y) 4167109.45 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U25A\H21S-U25A.006L.xtf • Ping Number: 628926 • Range to target: 48.04 Meters • Fish Height: 21.87 Meters • Heading: 32.890 Degrees • Event Number: 1 • Line Name: H21S-U25A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 13.75 Meters • Target Height: 1.96 Meters • Target Length: 10.62 Meters • Target Shadow: 4.72 Meters • Classification1: pockmark |

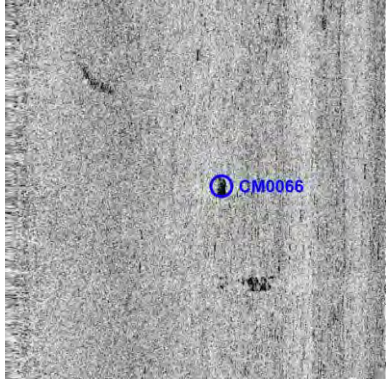
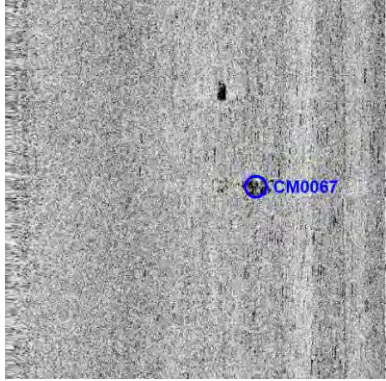
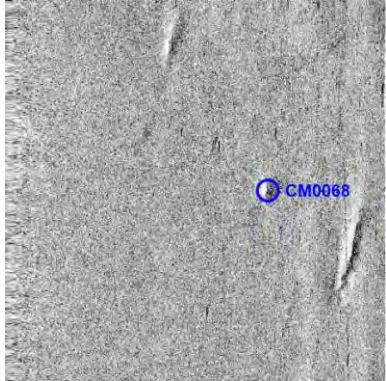
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|  | <p>CM0051</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 04:01:02 • Click Position 37.6220616100 12.0401952462 (WGS84) (X) 238779.23 (Y) 4168004.20 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U37A\H21S-U37A.006L.xtf • Ping Number: 457357 • Range to target: 146.83 Meters • Fish Height: 19.92 Meters • Heading: 222.590 Degrees • Event Number: 1 • Line Name: H21S-U37A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 15.76 Meters • Target Height: 1.57 Meters • Target Length: 16.94 Meters • Target Shadow: 12.60 Meters • Classification1: pockmark |
|  | <p>CM0052</p> <ul style="list-style-type: none"> • Sonar Time at Target: 29-May-21 04:24:08 • Click Position 37.6262308724 12.0466281370 (WGS84) (X) 239361.67 (Y) 4168449.01 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U35A\H21S-U35A.008L.xtf • Ping Number: 449943 • Range to target: 139.88 Meters • Fish Height: 18.75 Meters • Heading: 30.800 Degrees • Event Number: 1 • Line Name: H21S-U35A.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.64 Meters • Target Height: 0.85 Meters • Target Length: 10.22 Meters • Target Shadow: 6.61 Meters • Classification1: pockmark |
|  | <p>CM0053</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 05:48:58 • Click Position 37.6193794377 12.0791511108 (WGS84) (X) 242208.82 (Y) 4167598.70 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U05A\H21S-U05A.009L.xtf • Ping Number: 773400 • Range to target: 96.92 Meters • Fish Height: 23.24 Meters • Heading: 32.190 Degrees • Event Number: 1 • Line Name: H21S-U05A.009L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.50 Meters • Target Height: 1.74 Meters • Target Length: 3.54 Meters • Target Shadow: 7.86 Meters • Classification1: boulder |

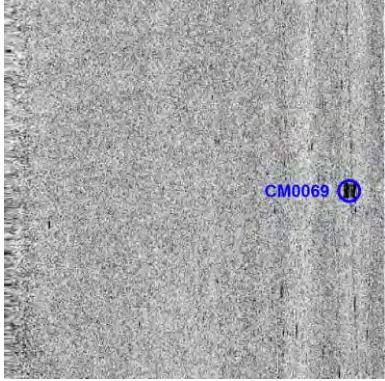
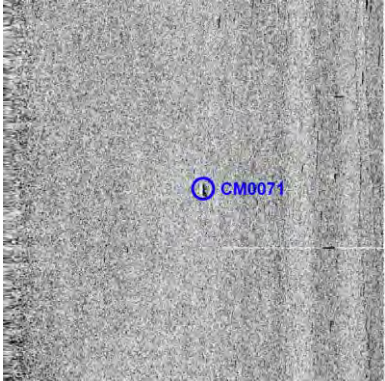
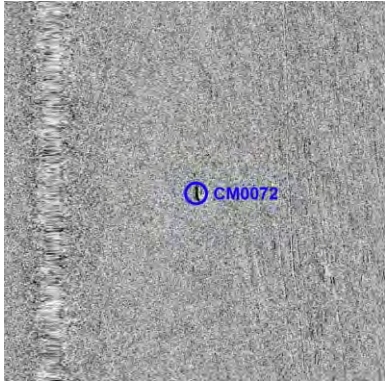
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|  | <p>CM0054</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 05:46:29 • Click Position 37.6176665774 12.0771823975 (WGS84) (X) 242029.10 (Y) 4167414.02 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U05A\H21S-U05A.009L.xtf • Ping Number: 772899 • Range to target: 104.99 Meters • Fish Height: 22.07 Meters • Heading: 31.600 Degrees • Event Number: 1 • Line Name: H21S-U05A.009L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 3.14 Meters • Target Height: 0.16 Meters • Target Length: 3.56 Meters • Target Shadow: 0.78 Meters • Classification1: boulder |
|  | <p>CM0055</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 01:47:39 • Click Position 37.6488172898 12.1004413391 (WGS84) (X) 244189.33 (Y) 4170807.44 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13AL.xtf • Ping Number: 724130 • Range to target: 74.60 Meters • Fish Height: 21.68 Meters • Heading: 221.790 Degrees • Event Number: 1 • Line Name: H21S-U13AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.11 Meters • Target Height: 1.17 Meters • Target Length: 7.04 Meters • Target Shadow: 4.27 Meters • Classification1: pockmark |
|  | <p>CM0056</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 01:47:09 • Click Position 37.6482273069 12.1022602293 (WGS84) (X) 244347.81 (Y) 4170737.00 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13AL.xtf • Ping Number: 724030 • Range to target: 89.76 Meters • Fish Height: 20.70 Meters • Heading: 221.400 Degrees • Event Number: 1 • Line Name: H21S-U13AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.91 Meters • Target Height: 0.96 Meters • Target Length: 8.27 Meters • Target Shadow: 4.36 Meters • Classification1: pockmark |

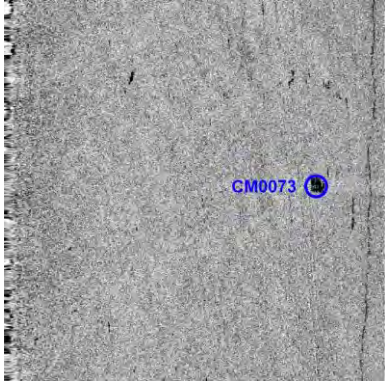
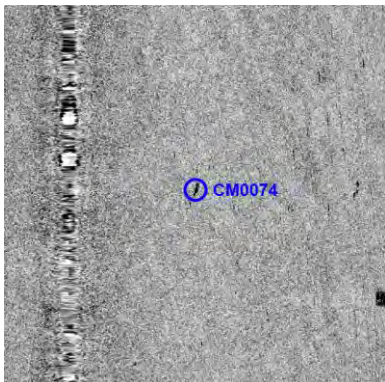

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|  | <p>CM0057</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 01:49:05 • Click Position 37.6480295269 12.0985187594 (WGS84) (X) 244016.97 (Y) 4170725.26 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13A.002L.xtf • Ping Number: 724422 • Range to target: 146.99 Meters • Fish Height: 22.66 Meters • Heading: 221.790 Degrees • Event Number: 1 • Line Name: H21S-U13A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.07 Meters • Target Height: 0.64 Meters • Target Length: 9.44 Meters • Target Shadow: 4.31 Meters • Classification1: pockmark |
|  | <p>CM0058</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 01:47:57 • Click Position 37.6487562067 12.0999302006 (WGS84) (X) 244144.02 (Y) 4170802.06 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13A.002L.xtf • Ping Number: 724193 • Range to target: 103.91 Meters • Fish Height: 22.07 Meters • Heading: 221.090 Degrees • Event Number: 1 • Line Name: H21S-U13A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.34 Meters • Target Height: 0.96 Meters • Target Length: 6.71 Meters • Target Shadow: 4.71 Meters • Classification1: pockmark |
|  | <p>CM0059</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 01:47:47 • Click Position 37.6473387402 12.1022852058 (WGS84) (X) 244346.97 (Y) 4170638.32 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13A.002L.xtf • Ping Number: 724158 • Range to target: 156.02 Meters • Fish Height: 21.68 Meters • Heading: 221.000 Degrees • Event Number: 1 • Line Name: H21S-U13A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.04 Meters • Target Height: 0.89 Meters • Target Length: 10.31 Meters • Target Shadow: 6.67 Meters • Classification1: pockmark |

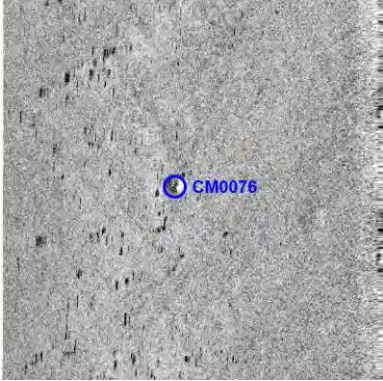
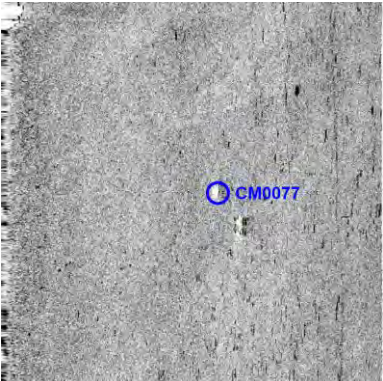
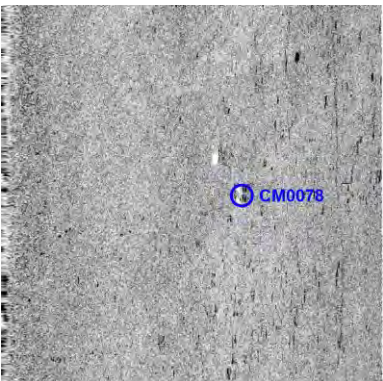
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|  | <p>CM0060</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 01:46:50 • Click Position 37.6491709815 12.1015353449 (WGS84) (X) 244287.08 (Y) 4170843.71 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U13A\H21S-U13AL.xtf • Ping Number: 723962 • Range to target: 26.99 Meters • Fish Height: 20.70 Meters • Heading: 222.590 Degrees • Event Number: 1 • Line Name: H21S-U13AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.10 Meters • Target Height: 2.41 Meters • Target Length: 5.57 Meters • Target Shadow: 3.56 Meters • Classification1: pockmark |
|  | <p>CM0061</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:06:16 • Click Position 37.6472123408 12.1002671892 (WGS84) (X) 244168.45 (Y) 4170629.80 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.003L.xtf • Ping Number: 94280 • Range to target: 137.95 Meters • Fish Height: 20.51 Meters • Heading: 224.000 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.47 Meters • Target Height: 0.51 Meters • Target Length: 6.31 Meters • Target Shadow: 3.54 Meters • Classification1: pockmark |
|  | <p>CM0062</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:06:56 • Click Position 37.6467958814 12.0996063441 (WGS84) (X) 244108.71 (Y) 4170585.38 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.003L.xtf • Ping Number: 94417 • Range to target: 153.01 Meters • Fish Height: 21.48 Meters • Heading: 220.500 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.30 Meters • Target Height: 0.54 Meters • Target Length: 8.30 Meters • Target Shadow: 3.92 Meters • Classification1: pockmark |



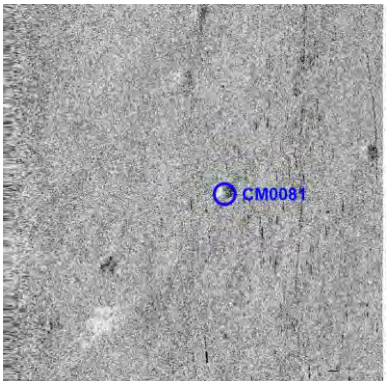
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|  | <p>CM0063</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 04:04:46 • Click Position 37.6486425943 12.1009913467 (WGS84) (X) 244237.27 (Y) 4170786.55 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U11A_1\H21S-U11A_1.003L.xtf • Ping Number: 93975 • Range to target: 189.44 Meters • Fish Height: 18.75 Meters • Heading: 226.090 Degrees • Event Number: 1 • Line Name: H21S-U11A_1.003L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.48 Meters • Target Height: 0.27 Meters • Target Length: 9.52 Meters • Target Shadow: 2.75 Meters • Classification1: pockmark |
|  | <p>CM0064</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:56:46 • Click Position 37.6524416023 12.0975606814 (WGS84) (X) 243947.59 (Y) 4171217.54 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.012L.xtf • Ping Number: 80090 • Range to target: 181.60 Meters • Fish Height: 20.70 Meters • Heading: 34.190 Degrees • Event Number: 1 • Line Name: H21S-U21A.012L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.89 Meters • Target Height: 0.52 Meters • Target Length: 11.03 Meters • Target Shadow: 4.70 Meters • Classification1: pockmark |
|  | <p>CM0065</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:07:07 • Click Position 37.6477552505 12.0998362192 (WGS84) (X) 244132.29 (Y) 4170691.23 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15AL.xtf • Ping Number: 654604 • Range to target: 147.21 Meters • Fish Height: 23.24 Meters • Heading: 224.700 Degrees • Event Number: 1 • Line Name: H21S-U15AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.34 Meters • Target Height: 0.61 Meters • Target Length: 7.48 Meters • Target Shadow: 3.96 Meters • Classification1: pockmark |

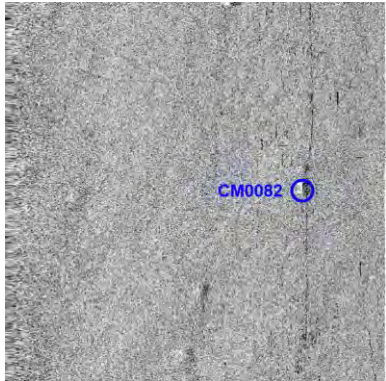
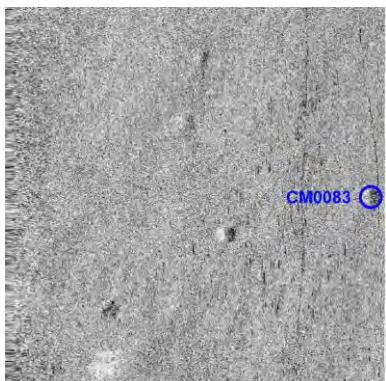
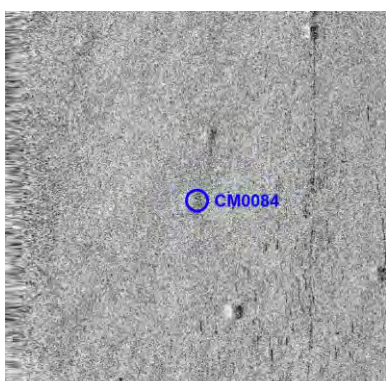
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|  | <p>CM0066</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:21:47 • Click Position 37.6519133242 12.0952240058 (WGS84) (X) 243739.59 (Y) 4171165.30 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19AL.xtf • Ping Number: 584097 • Range to target: 112.95 Meters • Fish Height: 19.73 Meters • Heading: 223.400 Degrees • Event Number: 1 • Line Name: H21S-U19AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.50 Meters • Target Height: 0.98 Meters • Target Length: 10.63 Meters • Target Shadow: 5.91 Meters • Classification1: rock outcrop |
|  | <p>CM0067</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:21:22 • Click Position 37.6523630975 12.0954594803 (WGS84) (X) 243761.91 (Y) 4171214.57 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19AL.xtf • Ping Number: 584012 • Range to target: 131.02 Meters • Fish Height: 21.29 Meters • Heading: 223.900 Degrees • Event Number: 1 • Line Name: H21S-U19AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 18.09 Meters • Target Height: 2.17 Meters • Target Length: 8.66 Meters • Target Shadow: 14.90 Meters • Classification1: rock outcrop |
|  | <p>CM0068</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:19:43 • Click Position 37.6537442449 12.0969303287 (WGS84) (X) 243896.45 (Y) 4171363.83 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19AL.xtf • Ping Number: 583674 • Range to target: 137.35 Meters • Fish Height: 23.63 Meters • Heading: 225.200 Degrees • Event Number: 1 • Line Name: H21S-U19AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.44 Meters • Target Height: 0.78 Meters • Target Length: 9.86 Meters • Target Shadow: 4.71 Meters • Classification1: pockmark |

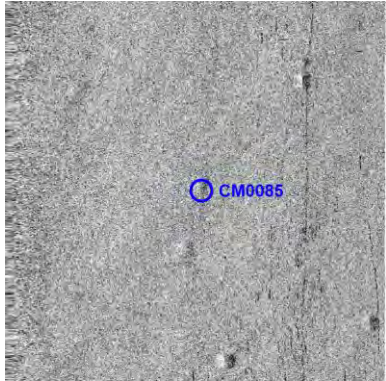
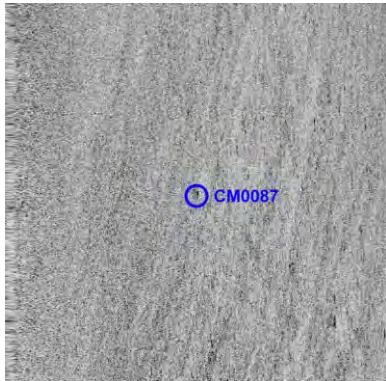
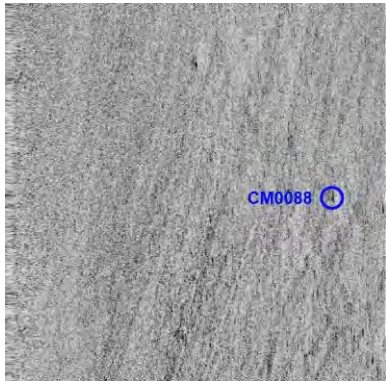
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|  | <p>CM0069</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:18:18 • Click Position 37.6551699304 12.0978988906 (WGS84) (X) 243986.81 (Y) 4171519.41 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19AL.xtf • Ping Number: 583386 • Range to target: 180.42 Meters • Fish Height: 21.68 Meters • Heading: 225.290 Degrees • Event Number: 1 • Line Name: H21S-U19AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.40 Meters • Target Height: 0.55 Meters • Target Length: 8.20 Meters • Target Shadow: 4.70 Meters • Classification1: boulder |
|  | <p>CM0071</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:16:41 • Click Position 37.6561316866 12.1001850513 (WGS84) (X) 244191.83 (Y) 4171619.91 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19AL.xtf • Ping Number: 583054 • Range to target: 104.52 Meters • Fish Height: 19.53 Meters • Heading: 228.590 Degrees • Event Number: 1 • Line Name: H21S-U19AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 3.93 Meters • Target Height: 0.36 Meters • Target Length: 6.73 Meters • Target Shadow: 1.95 Meters • Classification1: pockmark |
|  | <p>CM0072</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 03:21:26 • Click Position 37.6495496267 12.0697019406 (WGS84) (X) 241479.32 (Y) 4170973.08 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U37A\H21S-U37A.002L.xtf • Ping Number: 449270 • Range to target: 74.70 Meters • Fish Height: 19.34 Meters • Heading: 219.090 Degrees • Event Number: 1 • Line Name: H21S-U37A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.52 Meters • Target Height: 0.88 Meters • Target Length: 8.70 Meters • Target Shadow: 3.57 Meters • Classification1: : boulder |

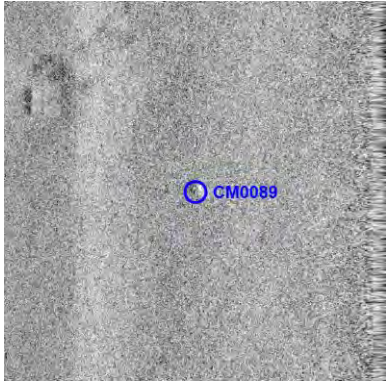
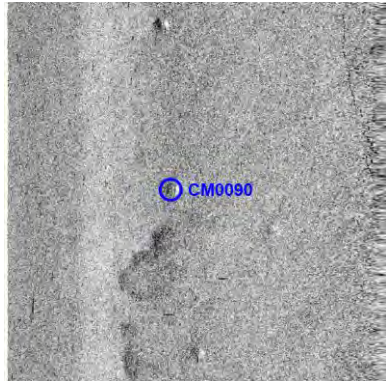
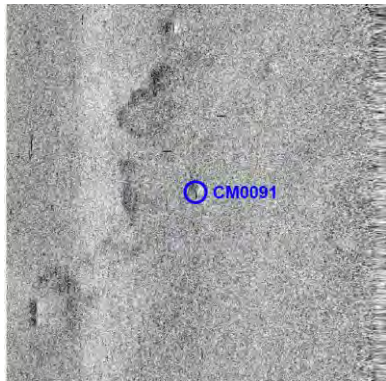
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|  | <p>CM0073</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 08:48:18 • Click Position 37.6471197629 12.0710691968 (WGS84) (X) 241591.54 (Y) 4170699.64 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U33A\H21S-U33A.002L.xtf • Ping Number: 516006 • Range to target: 162.89 Meters • Fish Height: 18.20 Meters • Heading: 218.500 Degrees • Event Number: 1 • Line Name: H21S-U33A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.07 Meters • Target Height: 0.72 Meters • Target Length: 8.66 Meters • Target Shadow: 6.75 Meters • Classification1: : boulder |
|  | <p>CM0074</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 08:48:53 • Click Position 37.6460976352 12.0714688790 (WGS84) (X) 241623.27 (Y) 4170585.10 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U33A\H21S-U33A.002L.xtf • Ping Number: 516128 • Range to target: 66.36 Meters • Fish Height: 18.55 Meters • Heading: 216.500 Degrees • Event Number: 1 • Line Name: H21S-U33A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 2.86 Meters • Target Height: 1.04 Meters • Target Length: 5.73 Meters • Target Shadow: 3.95 Meters • Classification1 : boulder |
|  | <p>CM0075</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 08:48:29 • Click Position 37.6457030148 12.0729166999 (WGS84) (X) 241749.67 (Y) 4170537.31 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U33A\H21S-U33A.002L.xtf • Ping Number: 516044 • Range to target: 62.95 Meters • Fish Height: 19.73 Meters • Heading: 218.700 Degrees • Event Number: 1 • Line Name: H21S-U33A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.50 Meters • Target Height: 0.71 Meters • Target Length: 5.91 Meters • Target Shadow: 2.34 Meters • Classification1: boulder |

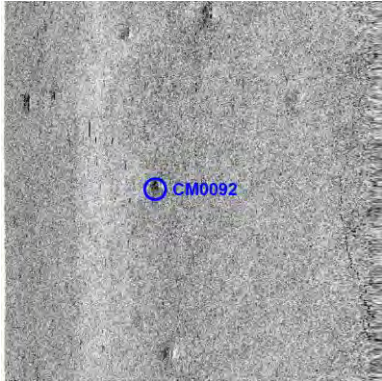
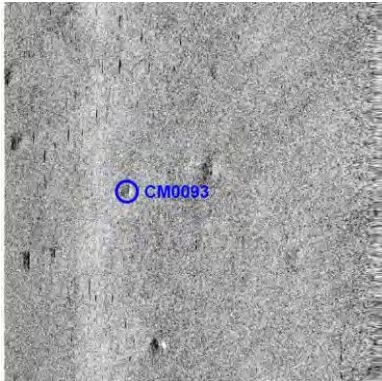
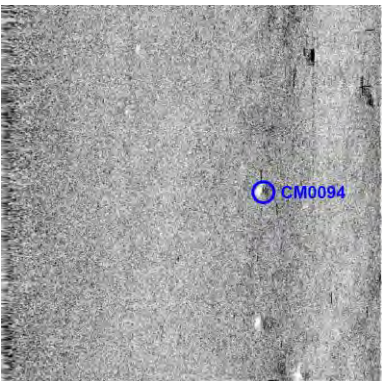
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|  | <p>CM0076</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 18:36:32 • Click Position 37.6400638065 12.0748197643 (WGS84) (X) 241898.07 (Y) 4169906.22 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U25A\H21S-U25A.010L.xtf • Ping Number: 636108 • Range to target: 109.20 Meters • Fish Height: 16.99 Meters • Heading: 34.690 Degrees • Event Number: 1 • Line Name: H21S-U25A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.85 Meters • Target Height: 0.58 Meters • Target Length: 9.51 Meters • Target Shadow: 3.89 Meters • Classification1: pockmark |
|  | <p>CM0077</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 18:36:57 • Click Position 37.6390845242 12.0770875013 (WGS84) (X) 242094.82 (Y) 4169791.29 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U25A\H21S-U25A.010L.xtf • Ping Number: 636193 • Range to target: 113.42 Meters • Fish Height: 18.36 Meters • Heading: 36.300 Degrees • Event Number: 1 • Line Name: H21S-U25A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.47 Meters • Target Height: 0.55 Meters • Target Length: 7.09 Meters • Target Shadow: 3.50 Meters • Classification1: pockmark |
|  | <p>CM0078</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 18:36:47 • Click Position 37.6388769288 12.0770477996 (WGS84) (X) 242090.60 (Y) 4169768.36 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U25A\H21S-U25A.010L.xtf • Ping Number: 636159 • Range to target: 125.79 Meters • Fish Height: 19.14 Meters • Heading: 35.190 Degrees • Event Number: 1 • Line Name: H21S-U25A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.72 Meters • Target Height: 0.52 Meters • Target Length: 9.14 Meters • Target Shadow: 3.50 Meters • Classification1: pockmark |

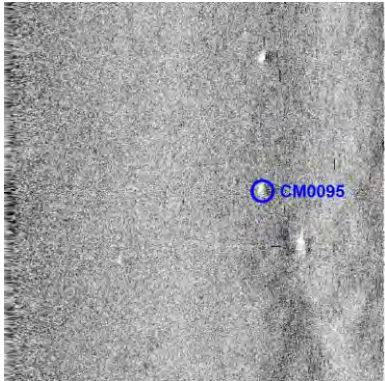
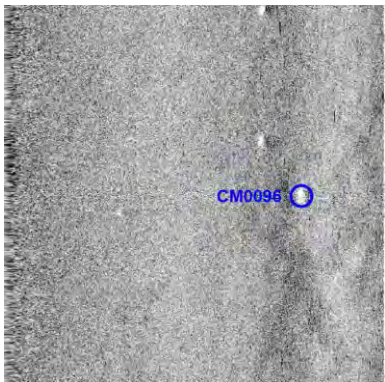
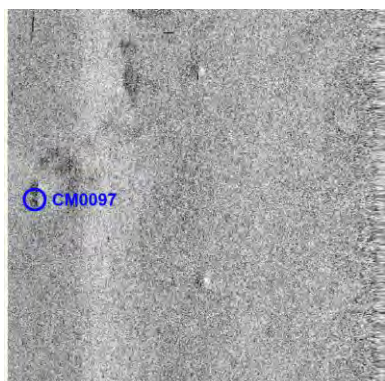
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|  | <p>CM0079</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 18:40:09 • Click Position 37.6417836222 12.0794481471 (WGS84) (X) 242312.50 (Y) 4170084.35 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U25A\H21S-U25A.010L.xtf • Ping Number: 636846 • Range to target: 78.43 Meters • Fish Height: 18.75 Meters • Heading: 35.800 Degrees • Event Number: 1 • Line Name: H21S-U25A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 3.10 Meters • Target Height: 0.53 Meters • Target Length: 3.60 Meters • Target Shadow: 2.28 Meters • Classification1: boulder |
|  | <p>CM0080</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:41:38 • Click Position 37.6361672575 12.0788455056 (WGS84) (X) 242239.89 (Y) 4169462.69 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.002L.xtf • Ping Number: 588149 • Range to target: 118.25 Meters • Fish Height: 22.85 Meters • Heading: 218.700 Degrees • Event Number: 1 • Line Name: H21S-U19A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.26 Meters • Target Height: 0.37 Meters • Target Length: 5.91 Meters • Target Shadow: 1.96 Meters • Classification1: pockmark |
|  | <p>CM0081</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:39:13 • Click Position 37.6379955625 12.0804613629 (WGS84) (X) 242388.82 (Y) 4169661.16 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.002L.xtf • Ping Number: 587656 • Range to target: 115.83 Meters • Fish Height: 23.05 Meters • Heading: 216.200 Degrees • Event Number: 1 • Line Name: H21S-U19A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.04 Meters • Target Height: 0.76 Meters • Target Length: 7.49 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |

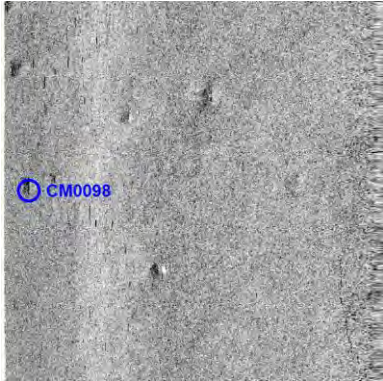
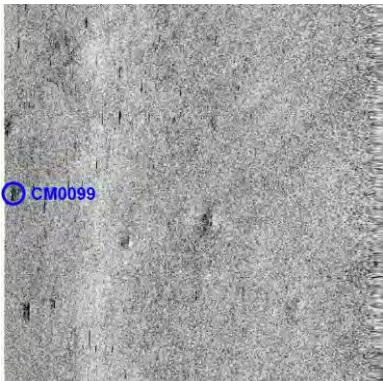
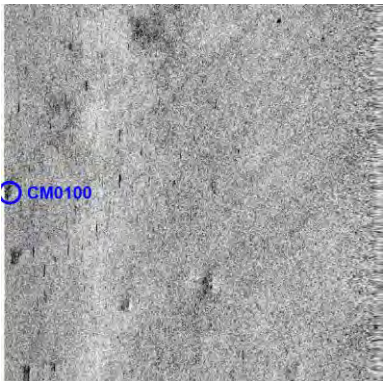
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|  | <p>CM0082</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:40:39 • Click Position 37.6371083157 12.0791486294 (WGS84) (X) 242269.89 (Y) 4169566.30 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.002L.xtf • Ping Number: 587949 • Range to target: 155.15 Meters • Fish Height: 23.83 Meters • Heading: 216.500 Degrees • Event Number: 1 • Line Name: H21S-U19A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.30 Meters • Target Height: 0.59 Meters • Target Length: 6.29 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |
|  | <p>CM0083</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:39:26 • Click Position 37.6382180714 12.0796241139 (WGS84) (X) 242315.70 (Y) 4169688.15 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.002L.xtf • Ping Number: 587699 • Range to target: 190.86 Meters • Fish Height: 24.22 Meters • Heading: 216.400 Degrees • Event Number: 1 • Line Name: H21S-U19A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.25 Meters • Target Height: 0.54 Meters • Target Length: 8.67 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0084</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:39:49 • Click Position 37.6374538217 12.0802627407 (WGS84) (X) 242369.42 (Y) 4169601.58 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.002L.xtf • Ping Number: 587776 • Range to target: 96.28 Meters • Fish Height: 23.83 Meters • Heading: 215.500 Degrees • Event Number: 1 • Line Name: H21S-U19A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.48 Meters • Target Height: 1.02 Meters • Target Length: 7.86 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |

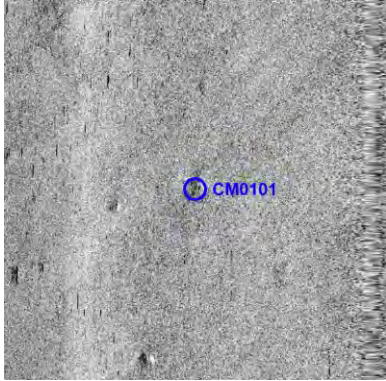
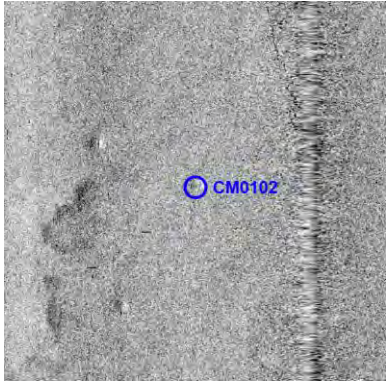
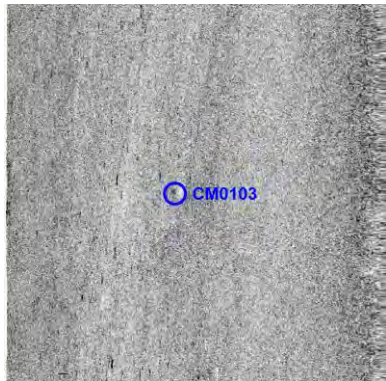
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|  | <p>CM0085</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:40:07 • Click Position 37.6372567197 12.0800024268 (WGS84) (X) 242345.76 (Y) 4169580.42 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.002L.xtf • Ping Number: 587838 • Range to target: 102.66 Meters • Fish Height: 22.46 Meters • Heading: 217.500 Degrees • Event Number: 1 • Line Name: H21S-U19A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.48 Meters • Target Height: 0.66 Meters • Target Length: 4.72 Meters • Target Shadow: 3.12 Meters • Classification1: pockmark |
|  | <p>CM0087</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:25:33 • Click Position 37.6350290299 12.0825648019 (WGS84) (X) 242564.22 (Y) 4169326.15 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.002L.xtf • Ping Number: 658368 • Range to target: 99.26 Meters • Fish Height: 20.31 Meters • Heading: 221.700 Degrees • Event Number: 1 • Line Name: H21S-U15A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 3.95 Meters • Target Height: 0.62 Meters • Target Length: 6.30 Meters • Target Shadow: 3.14 Meters • Classification1: boulder |
|  | <p>CM0088</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:24:53 • Click Position 37.6358967220 12.0824126389 (WGS84) (X) 242553.78 (Y) 4169422.86 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.002L.xtf • Ping Number: 658231 • Range to target: 170.88 Meters • Fish Height: 21.68 Meters • Heading: 221.090 Degrees • Event Number: 1 • Line Name: H21S-U15A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 2.75 Meters • Target Height: 0.25 Meters • Target Length: 4.73 Meters • Target Shadow: 1.96 Meters • Classification1: boulder |

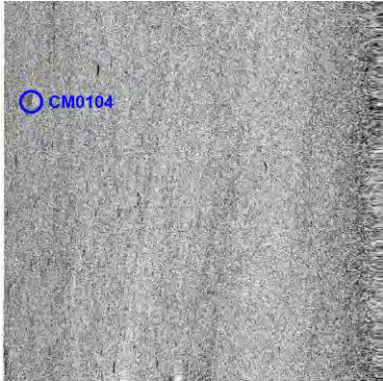
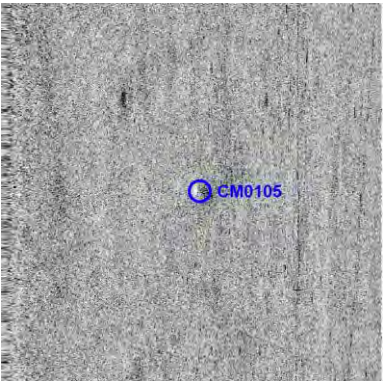
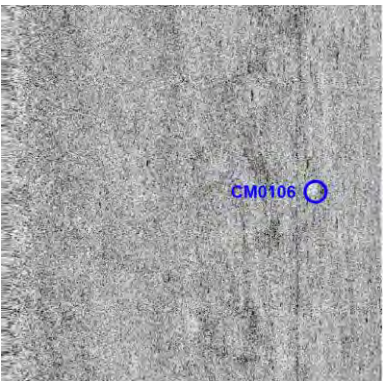
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|  | <p>CM0089</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:33:12 • Click Position 37.6368104906 12.0770308844 (WGS84) (X) 242081.96 (Y) 4169539.07 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75279 • Range to target: 96.53 Meters • Fish Height: 24.22 Meters • Heading: 33.600 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.29 Meters • Target Height: 0.76 Meters • Target Length: 6.34 Meters • Target Shadow: 3.14 Meters • Classification1: pockmark |
|  | <p>CM0090</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:35:04 • Click Position 37.6382360258 12.0783224419 (WGS84) (X) 242200.88 (Y) 4169693.73 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75662 • Range to target: 113.12 Meters • Fish Height: 24.22 Meters • Heading: 34.190 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.86 Meters • Target Height: 0.65 Meters • Target Length: 6.29 Meters • Target Shadow: 3.14 Meters • Classification1: pockmark |
|  | <p>CM0091</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:34:15 • Click Position 37.6375729641 12.0778258129 (WGS84) (X) 242154.75 (Y) 4169621.50 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75495 • Range to target: 99.25 Meters • Fish Height: 23.63 Meters • Heading: 34.300 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.51 Meters • Target Height: 0.81 Meters • Target Length: 5.50 Meters • Target Shadow: 3.54 Meters • Classification1: pockmark |

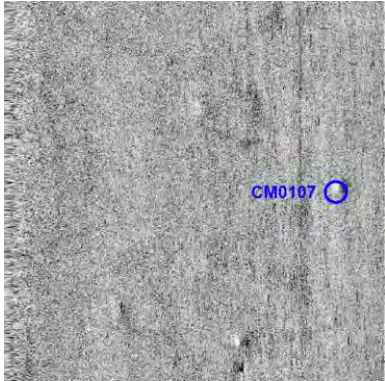
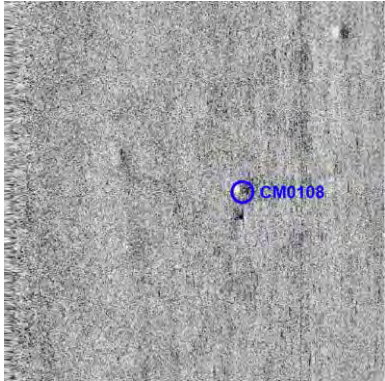
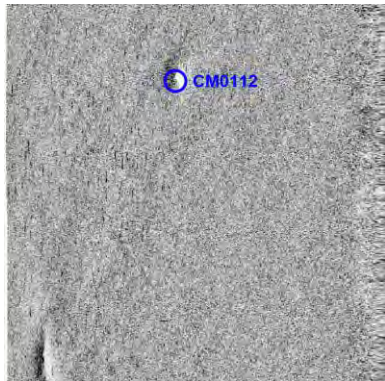
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|  | <p>CM0092</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:35:52 • Click Position 37.6388712524 12.0788813302 (WGS84) (X) 242252.40 (Y) 4169762.69 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75825 • Range to target: 119.46 Meters • Fish Height: 22.46 Meters • Heading: 31.600 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.50 Meters • Target Height: 0.51 Meters • Target Length: 6.29 Meters • Target Shadow: 2.75 Meters • Classification1: pockmark |
|  | <p>CM0093</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:36:37 • Click Position 37.6395328478 12.0793433780 (WGS84) (X) 242295.47 (Y) 4169834.84 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75978 • Range to target: 134.24 Meters • Fish Height: 21.48 Meters • Heading: 33.690 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.72 Meters • Target Height: 0.37 Meters • Target Length: 5.17 Meters • Target Shadow: 2.36 Meters • Classification1: pockmark |
|  | <p>CM0094</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:34:40 • Click Position 37.6364966581 12.0801864361 (WGS84) (X) 242359.37 (Y) 4169495.56 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75580 • Range to target: 136.95 Meters • Fish Height: 24.22 Meters • Heading: 32.390 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.69 Meters • Target Height: 0.61 Meters • Target Length: 6.30 Meters • Target Shadow: 3.54 Meters • Classification1: pockmark |

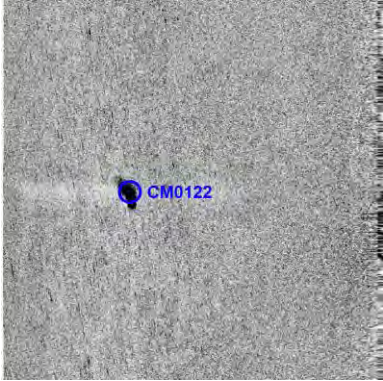
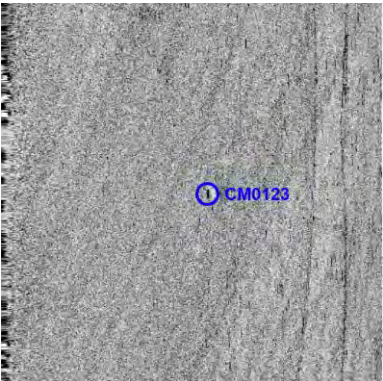
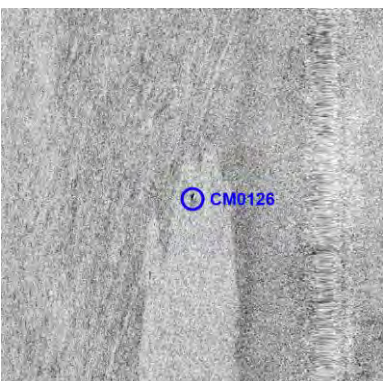
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|  | <p>CM0095</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:34:01 • Click Position 37.6360204452 12.0796426770 (WGS84) (X) 242309.74 (Y) 4169444.20 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75445 • Range to target: 134.84 Meters • Fish Height: 24.02 Meters • Heading: 33.190 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.30 Meters • Target Height: 0.75 Meters • Target Length: 7.25 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0096</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:33:45 • Click Position 37.6357079349 12.0796086926 (WGS84) (X) 242305.66 (Y) 4169409.61 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75391 • Range to target: 155.35 Meters • Fish Height: 23.24 Meters • Heading: 32.690 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.83 Meters • Target Height: 0.57 Meters • Target Length: 8.69 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |
|  | <p>CM0097</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:33:37 • Click Position 37.6376321369 12.0766191830 (WGS84) (X) 242048.46 (Y) 4169631.39 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75366 • Range to target: 184.01 Meters • Fish Height: 23.83 Meters • Heading: 36.800 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.04 Meters • Target Height: 0.50 Meters • Target Length: 10.24 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |


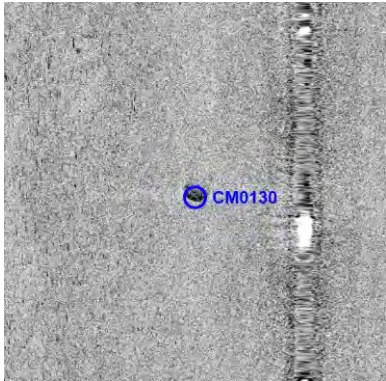
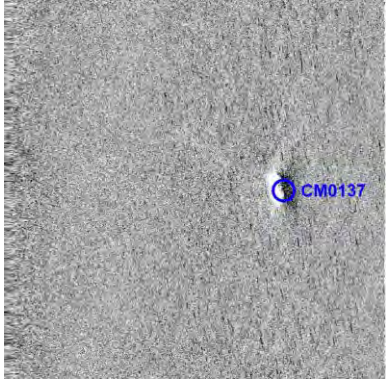
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|  | <p>CM0098</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:36:16 • Click Position 37.6395525690 12.0786134532 (WGS84) (X) 242231.11 (Y) 4169839.04 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75906 • Range to target: 185.52 Meters • Fish Height: 22.85 Meters • Heading: 34.100 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.69 Meters • Target Height: 0.52 Meters • Target Length: 8.67 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0099</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:36:51 • Click Position 37.6400515806 12.0790126439 (WGS84) (X) 242268.07 (Y) 4169893.32 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 76026 • Range to target: 193.36 Meters • Fish Height: 23.44 Meters • Heading: 32.190 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.43 Meters • Target Height: 0.56 Meters • Target Length: 8.30 Meters • Target Shadow: 4.72 Meters • Classification1: pockmark |
|  | <p>CM0100</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:37:10 • Click Position 37.6403003142 12.0792392894 (WGS84) (X) 242288.93 (Y) 4169920.30 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 76089 • Range to target: 195.47 Meters • Fish Height: 22.07 Meters • Heading: 34.690 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.43 Meters • Target Height: 0.48 Meters • Target Length: 8.69 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |

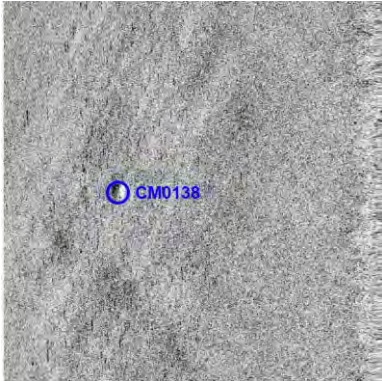
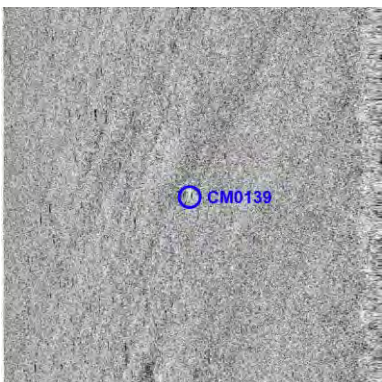
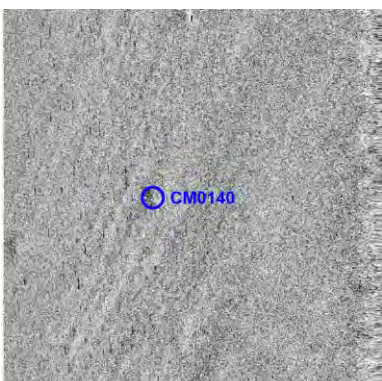
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|  | <p>CM0101</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:36:42 • Click Position 37.6393571970 12.0797764138 (WGS84) (X) 242333.08 (Y) 4169814.16 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75995 • Range to target: 92.31 Meters • Fish Height: 23.44 Meters • Heading: 34.000 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.43 Meters • Target Height: 0.96 Meters • Target Length: 9.06 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |
|  | <p>CM0102</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 02:34:51 • Click Position 37.6377737883 12.0786216388 (WGS84) (X) 242225.69 (Y) 4169641.60 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.010L.xtf • Ping Number: 75618 • Range to target: 60.03 Meters • Fish Height: 23.83 Meters • Heading: 33.190 Degrees • Event Number: 1 • Line Name: H21S-U21A.010L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.03 Meters • Target Height: 1.60 Meters • Target Length: 6.70 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0103</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:44:22 • Click Position 37.6329385841 12.0788979642 (WGS84) (X) 242233.35 (Y) 4169104.22 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.002L.xtf • Ping Number: 588705 • Range to target: 110.71 Meters • Fish Height: 22.07 Meters • Heading: 223.400 Degrees • Event Number: 1 • Line Name: H21S-U19A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.89 Meters • Target Height: 0.76 Meters • Target Length: 5.51 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |

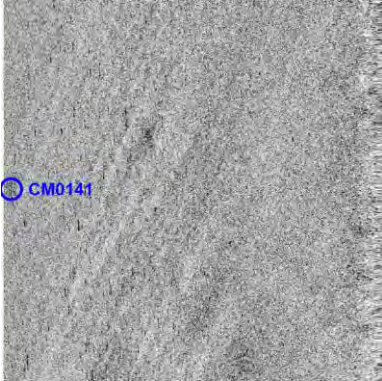
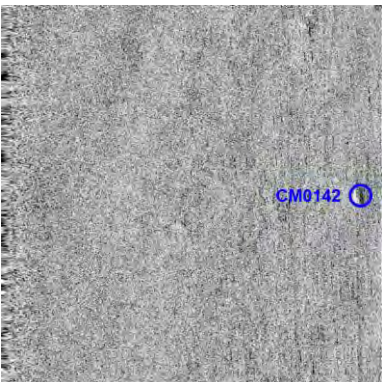
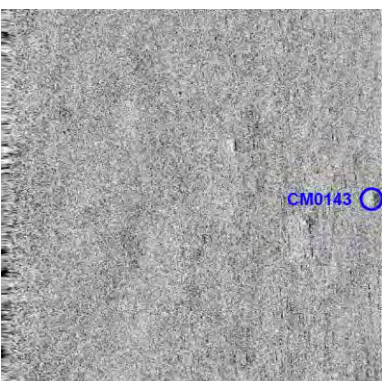
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|  | <p>CM0104</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 14:45:46 • Click Position 37.6315109782 12.0785247186 (WGS84) (X) 242195.47 (Y) 4168946.81 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.002L.xtf • Ping Number: 588993 • Range to target: 184.31 Meters • Fish Height: 22.46 Meters • Heading: 225.590 Degrees • Event Number: 1 • Line Name: H21S-U19A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.89 Meters • Target Height: 0.42 Meters • Target Length: 7.53 Meters • Target Shadow: 3.54 Meters • Classification1: pockmark |
|  | <p>CM0105</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:32:23 • Click Position 37.6305166413 12.0774005108 (WGS84) (X) 242092.80 (Y) 4168839.55 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.004L.xtf • Ping Number: 659761 • Range to target: 103.77 Meters • Fish Height: 20.51 Meters • Heading: 222.290 Degrees • Event Number: 1 • Line Name: H21S-U15A.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.47 Meters • Target Height: 0.68 Meters • Target Length: 8.26 Meters • Target Shadow: 3.54 Meters • Classification1: pockmark |
|  | <p>CM0106</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:35:44 • Click Position 37.6282201774 12.0743658175 (WGS84) (X) 241816.99 (Y) 4168593.03 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.004L.xtf • Ping Number: 660445 • Range to target: 164.10 Meters • Fish Height: 22.85 Meters • Heading: 221.090 Degrees • Event Number: 1 • Line Name: H21S-U15A.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.07 Meters • Target Height: 0.69 Meters • Target Length: 6.69 Meters • Target Shadow: 5.11 Meters • Classification1: pockmark |

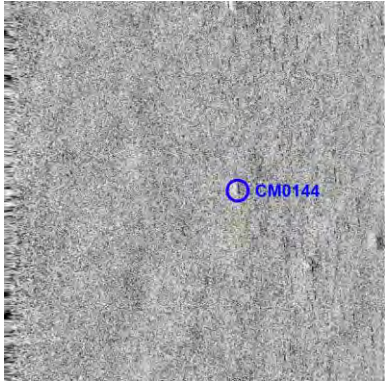
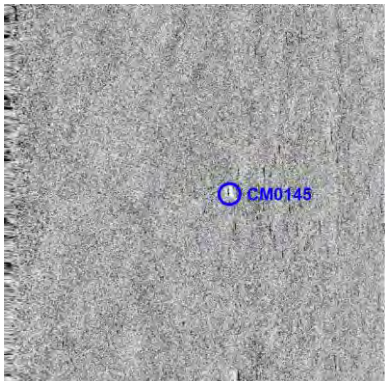
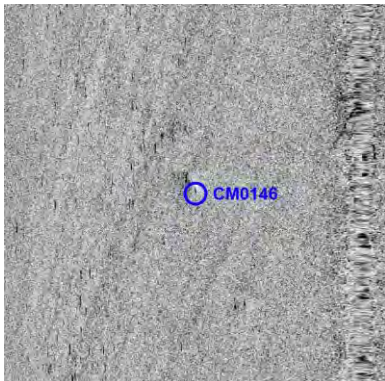
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|  | <p>CM0107</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:34:39 • Click Position 37.6290239913 12.0749192555 (WGS84) (X) 241868.63 (Y) 4168680.72 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.004L.xtf • Ping Number: 660224 • Range to target: 173.15 Meters • Fish Height: 21.29 Meters • Heading: 221.000 Degrees • Event Number: 1 • Line Name: H21S-U15A.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.34 Meters • Target Height: 0.66 Meters • Target Length: 7.87 Meters • Target Shadow: 5.50 Meters • Classification1: pockmark |
|  | <p>CM0108</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:33:53 • Click Position 37.6294452024 12.0759537982 (WGS84) (X) 241961.40 (Y) 4168724.62 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.004L.xtf • Ping Number: 660068 • Range to target: 124.58 Meters • Fish Height: 20.31 Meters • Heading: 222.200 Degrees • Event Number: 1 • Line Name: H21S-U15A.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.30 Meters • Target Height: 0.50 Meters • Target Length: 4.73 Meters • Target Shadow: 3.14 Meters • Classification1: pockmark |
|  | <p>CM0112</p> <ul style="list-style-type: none"> • Sonar Time at Target: 03-May-21 23:44:11 • Click Position 37.6129980589 12.0432386871 (WGS84) (X) 239016.18 (Y) 4166989.83 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\H21S-U27\H21S-U27.017.jsf • Ping Number: 55273 • Range to target: 110.52 Meters • Fish Height: 19.73 Meters • Heading: 32.800 Degrees • Event Number: (-1) • Line Name: H21S-U27.017 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 14.04 Meters • Target Height: 1.19 Meters • Target Length: 17.06 Meters • Target Shadow: 7.07 Meters • Classification1: pockmark |

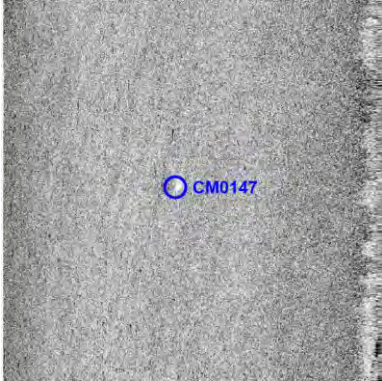
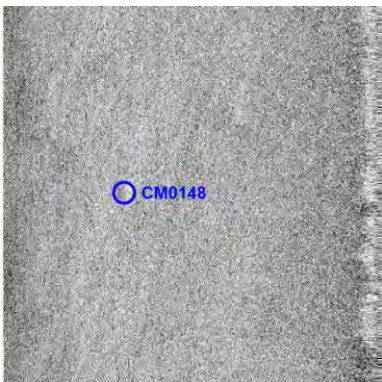
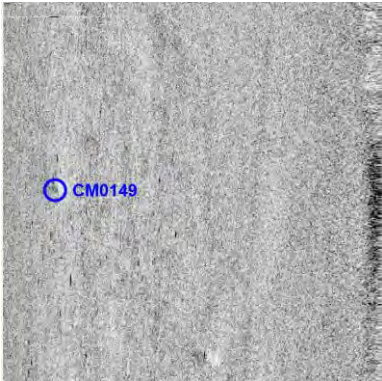
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|  | <p>CM0122</p> <ul style="list-style-type: none"> • Sonar Time at Target: 16-May-21 11:30:50 • Click Position 37.6081530316 12.0331387998 (WGS84) (X) 238107.48 (Y) 4166480.27 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U31\H21S-U31.008L.xtf • Ping Number: 19341 • Range to target: 132.62 Meters • Fish Height: 19.34 Meters • Heading: 24.390 Degrees • Event Number: 1 • Line Name: H21S-U31.008L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.00 Meters • Target Height: 1.73 Meters • Target Length: 16.30 Meters • Target Shadow: 13.05 Meters • Classification1: boulder |
|  | <p>CM0123</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 12:07:35 • Click Position 37.6104186571 12.0495171770 (WGS84) (X) 239561.48 (Y) 4166686.10 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U23A\H21S-U23A.006L.xtf • Ping Number: 556698 • Range to target: 107.76 Meters • Fish Height: 18.95 Meters • Heading: 32.300 Degrees • Event Number: 1 • Line Name: H21S-U23A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 2.75 Meters • Target Height: 0.84 Meters • Target Length: 5.95 Meters • Target Shadow: 4.97 Meters • Classification1: boulder |
|  | <p>CM0126</p> <ul style="list-style-type: none"> • Sonar Time at Target: 30-May-21 00:00:22 • Click Position 37.6111480622 11.9912003203 (WGS84) (X) 234415.26 (Y) 4166930.62 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U69A\H21S-U69A.002L.xtf • Ping Number: 119977 • Range to target: 69.29 Meters • Fish Height: 21.68 Meters • Heading: 221.790 Degrees • Event Number: 1 • Line Name: H21S-U69A.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 1.65 Meters • Target Height: 0.37 Meters • Target Length: 4.13 Meters • Target Shadow: 1.20 Meters • Classification1: boulder |

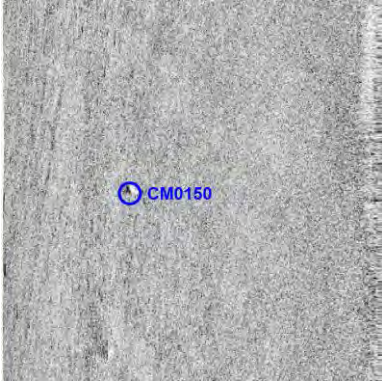
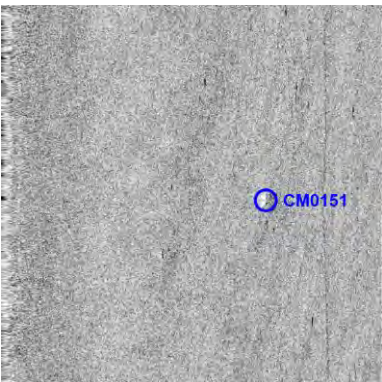
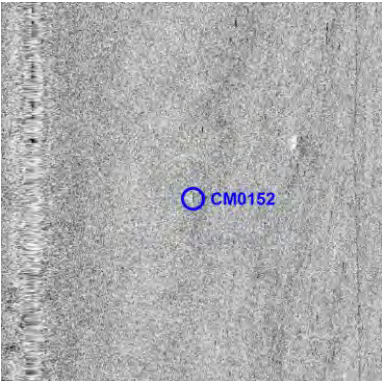
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|  | <p>CM0129</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 12:18:53 • Click Position 37.6211706543 12.0164073427 (WGS84) (X) 236676.17 (Y) 4167971.87 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-B002\H21S-B002L.xtf • Ping Number: 194858 • Range to target: 33.79 Meters • Fish Height: 18.87 Meters • Heading: 32.690 Degrees • Event Number: 1 • Line Name: H21S-B002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 1.70 Meters • Target Height: 2.62 Meters • Target Length: 9.40 Meters • Target Shadow: 5.45 Meters • Classification1: boulder |
|  | <p>CM0130</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 12:16:47 • Click Position 37.6204166979 12.0141679995 (WGS84) (X) 236475.82 (Y) 4167894.48 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-B002\H21S-B002L.xtf • Ping Number: 194431 • Range to target: 57.17 Meters • Fish Height: 22.00 Meters • Heading: 33.100 Degrees • Event Number: 1 • Line Name: H21S-B002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 15.30 Meters • Target Height: 8.85 Meters • Target Length: 9.10 Meters • Target Shadow: 38.51 Meters • Classification1: boulder |
|  | <p>CM0137</p> <ul style="list-style-type: none"> • Sonar Time at Target: 29-May-21 04:11:43 • Click Position 37.6156918215 12.0400870268 (WGS84) (X) 238747.36 (Y) 4167297.57 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U35A\H21S-U35A.006L.xtf • Ping Number: 447408 • Range to target: 146.01 Meters • Fish Height: 18.75 Meters • Heading: 20.800 Degrees • Event Number: 1 • Line Name: H21S-U35A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 15.12 Meters • Target Height: 0.96 Meters • Target Length: 22.85 Meters • Target Shadow: 7.86 Meters • Classification1: pockmark |

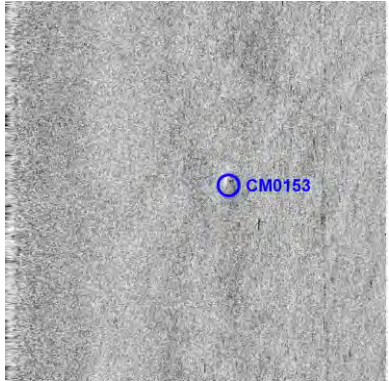
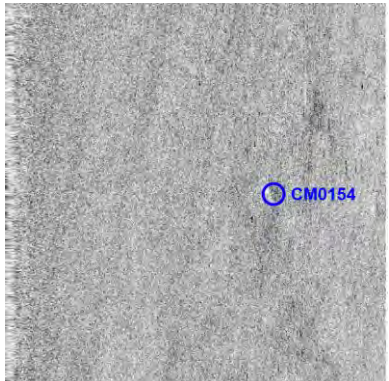
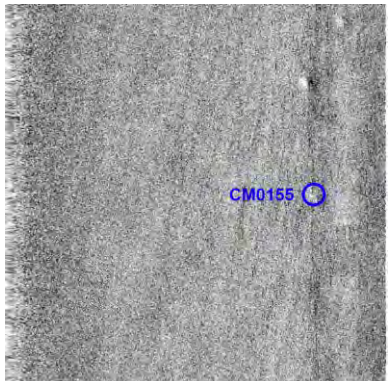
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|  | <p>CM0138</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 01:52:03 • Click Position 37.6075678896 12.0453555874 (WGS84) (X) 239184.09 (Y) 4166381.28 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.006L.xtf • Ping Number: 66877 • Range to target: 139.00 Meters • Fish Height: 20.12 Meters • Heading: 29.600 Degrees • Event Number: 1 • Line Name: H21S-U21A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.29 Meters • Target Height: 0.50 Meters • Target Length: 9.46 Meters • Target Shadow: 3.54 Meters • Classification1: pockmark |
|  | <p>CM0139</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 01:54:33 • Click Position 37.6090883031 12.0474799659 (WGS84) (X) 239376.97 (Y) 4166544.12 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.006L.xtf • Ping Number: 67390 • Range to target: 101.59 Meters • Fish Height: 18.75 Meters • Heading: 29.890 Degrees • Event Number: 1 • Line Name: H21S-U21A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 1.23 Meters • Target Height: 0.35 Meters • Target Length: 3.70 Meters • Target Shadow: 1.93 Meters • Classification1: boulder |
|  | <p>CM0140</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 01:53:37 • Click Position 37.6085406596 12.0466319874 (WGS84) (X) 239300.19 (Y) 4166485.69 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.006L.xtf • Ping Number: 67198 • Range to target: 120.72 Meters • Fish Height: 20.31 Meters • Heading: 29.600 Degrees • Event Number: 1 • Line Name: H21S-U21A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.83 Meters • Target Height: 0.45 Meters • Target Length: 11.80 Meters • Target Shadow: 2.75 Meters • Classification1: pockmark |

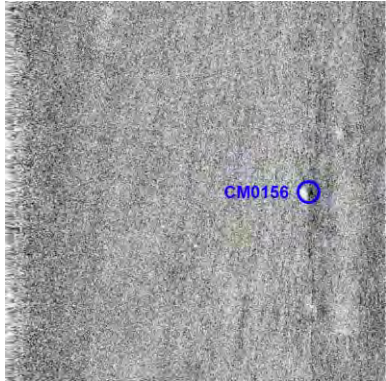
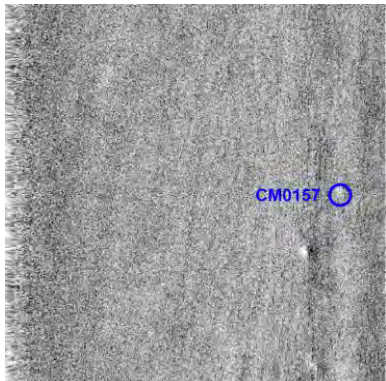
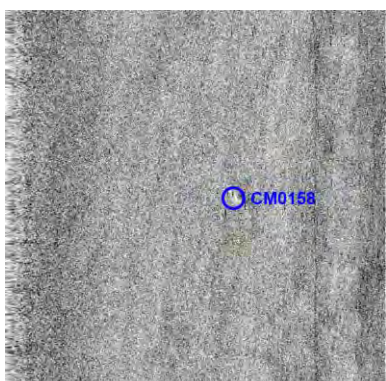
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|  <p>CM0141</p> | <p>CM0141</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 01:53:21 • Click Position 37.6087788543 12.0457947914 (WGS84) (X) 239227.10 (Y) 4166514.46 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.006L.xtf • Ping Number: 67144 • Range to target: 194.69 Meters • Fish Height: 19.92 Meters • Heading: 29.800 Degrees • Event Number: 1 • Line Name: H21S-U21A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 11.03 Meters • Target Height: 0.51 Meters • Target Length: 8.25 Meters • Target Shadow: 5.11 Meters • Classification1: pockmark |
|  <p>CM0142</p> | <p>CM0142</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 01:54:33 • Click Position 37.6074221736 12.0500004041 (WGS84) (X) 239593.69 (Y) 4166352.20 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.006L.xtf • Ping Number: 67390 • Range to target: 187.88 Meters • Fish Height: 18.75 Meters • Heading: 29.890 Degrees • Event Number: 1 • Line Name: H21S-U21A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.47 Meters • Target Height: 0.31 Meters • Target Length: 8.74 Meters • Target Shadow: 3.14 Meters • Classification1: pockmark |
|  <p>CM0143</p> | <p>CM0143</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 01:55:35 • Click Position 37.6080725880 12.0507728697 (WGS84) (X) 239664.16 (Y) 4166422.24 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.006L.xtf • Ping Number: 67599 • Range to target: 193.62 Meters • Fish Height: 18.55 Meters • Heading: 30.390 Degrees • Event Number: 1 • Line Name: H21S-U21A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.22 Meters • Target Height: 0.51 Meters • Target Length: 9.44 Meters • Target Shadow: 5.50 Meters • Classification1: pockmark |

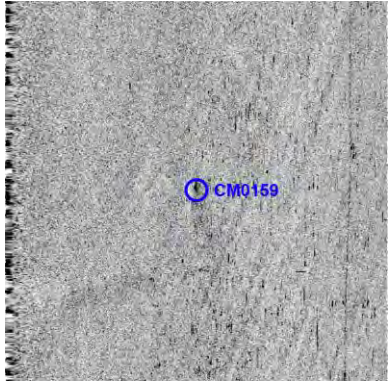
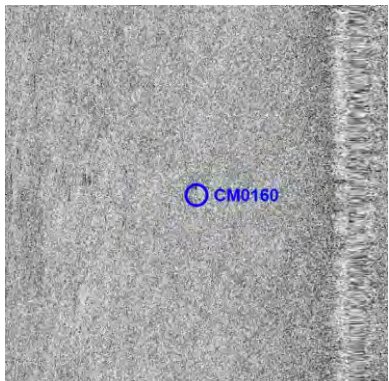
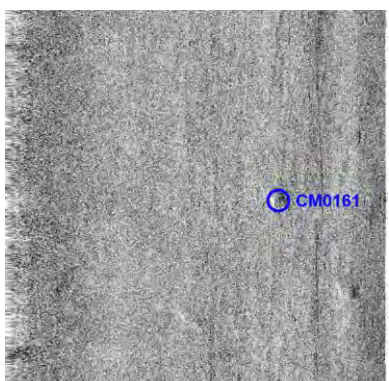
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|  | <p>CM0144</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 01:55:51 • Click Position 37.6086730155 12.0503516019 (WGS84) (X) 239629.06 (Y) 4166490.05 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.006L.xtf • Ping Number: 67655 • Range to target: 122.00 Meters • Fish Height: 19.92 Meters • Heading: 30.890 Degrees • Event Number: 1 • Line Name: H21S-U21A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.50 Meters • Target Height: 0.50 Meters • Target Length: 6.70 Meters • Target Shadow: 3.14 Meters • Classification1: pockmark |
|  | <p>CM0145</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 01:56:50 • Click Position 37.6093415926 12.0510219626 (WGS84) (X) 239690.58 (Y) 4166562.39 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.006L.xtf • Ping Number: 67856 • Range to target: 117.75 Meters • Fish Height: 19.92 Meters • Heading: 30.890 Degrees • Event Number: 1 • Line Name: H21S-U21A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 1.52 Meters • Target Height: 0.38 Meters • Target Length: 5.09 Meters • Target Shadow: 2.28 Meters • Classification1: boulder |
|  | <p>CM0146</p> <ul style="list-style-type: none"> • Sonar Time at Target: 04-Jun-21 01:57:35 • Click Position 37.6110627095 12.0498489286 (WGS84) (X) 239593.02 (Y) 4166756.66 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\H21S-U21A\H21S-U21A.006L.xtf • Ping Number: 68008 • Range to target: 87.14 Meters • Fish Height: 20.31 Meters • Heading: 30.390 Degrees • Event Number: 1 • Line Name: H21S-U21A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 0.99 Meters • Target Height: 0.29 Meters • Target Length: 3.64 Meters • Target Shadow: 1.26 Meters • Classification1: boulder |

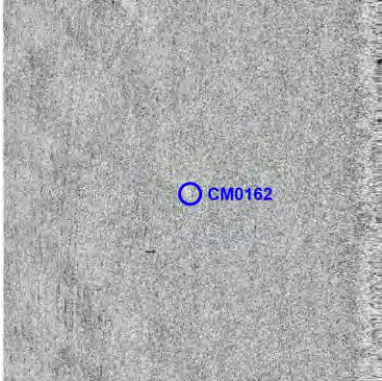
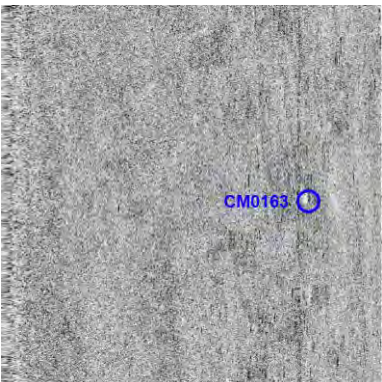
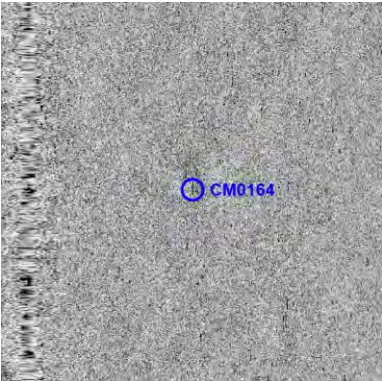
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|  | <p>CM0147</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 15:15:29 • Click Position 37.6103497055 12.0546062257 (WGS84) (X) 240010.55 (Y) 4166664.33 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.006L.xtf • Ping Number: 595060 • Range to target: 109.03 Meters • Fish Height: 19.34 Meters • Heading: 225.000 Degrees • Event Number: 1 • Line Name: H21S-U19A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.83 Meters • Target Height: 0.67 Meters • Target Length: 9.05 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |
|  | <p>CM0148</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 15:16:45 • Click Position 37.6092492326 12.0537419934 (WGS84) (X) 239930.42 (Y) 4166544.59 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.006L.xtf • Ping Number: 595318 • Range to target: 135.81 Meters • Fish Height: 18.55 Meters • Heading: 223.700 Degrees • Event Number: 1 • Line Name: H21S-U19A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.90 Meters • Target Height: 0.52 Meters • Target Length: 8.66 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |
|  | <p>CM0149</p> <ul style="list-style-type: none"> • Sonar Time at Target: 09-May-21 00:41:18 • Click Position 37.6143640361 12.0623025512 (WGS84) (X) 240704.01 (Y) 4167088.54 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.008.jsf • Ping Number: 83469 • Range to target: 171.73 Meters • Fish Height: 15.43 Meters • Heading: 223.000 Degrees • Event Number: (-1) • Line Name: H21S-U17A.008 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.05 Meters • Target Height: 0.38 Meters • Target Length: 7.88 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |

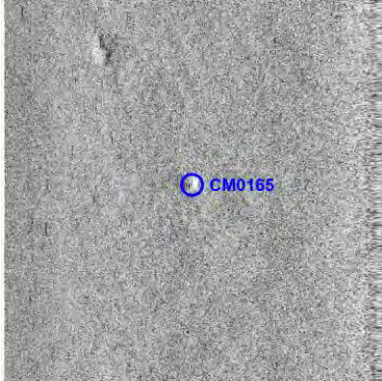
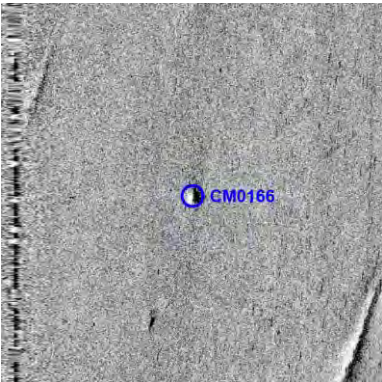
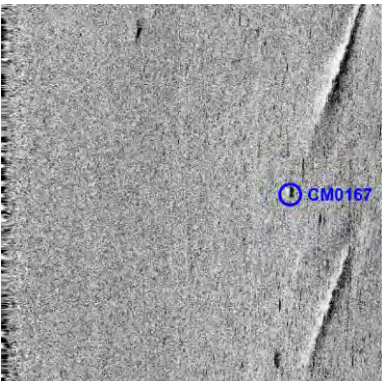
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|  | <p>CM0150</p> <ul style="list-style-type: none"> • Sonar Time at Target: 09-May-21 00:49:05 • Click Position 37.6080947652 12.0549227789 (WGS84) (X) 240030.65 (Y) 4166413.19 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.008.jsf • Ping Number: 85058 • Range to target: 132.84 Meters • Fish Height: 19.14 Meters • Heading: 223.000 Degrees • Event Number: (-1) • Line Name: H21S-U17A.008 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.30 Meters • Target Height: 0.60 Meters • Target Length: 6.31 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0151</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:59:41 • Click Position 37.6112279286 12.0566415988 (WGS84) (X) 240193.32 (Y) 4166756.16 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.006L.xtf • Ping Number: 665334 • Range to target: 138.15 Meters • Fish Height: 19.34 Meters • Heading: 219.590 Degrees • Event Number: 1 • Line Name: H21S-U15A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.68 Meters • Target Height: 0.59 Meters • Target Length: 7.48 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0152</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:59:25 • Click Position 37.6111367215 12.0573325849 (WGS84) (X) 240254.00 (Y) 4166744.12 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.006L.xtf • Ping Number: 665279 • Range to target: 84.17 Meters • Fish Height: 19.14 Meters • Heading: 219.900 Degrees • Event Number: 1 • Line Name: H21S-U15A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.45 Meters • Target Height: 0.60 Meters • Target Length: 5.50 Meters • Target Shadow: 2.75 Meters • Classification1: pockmark |

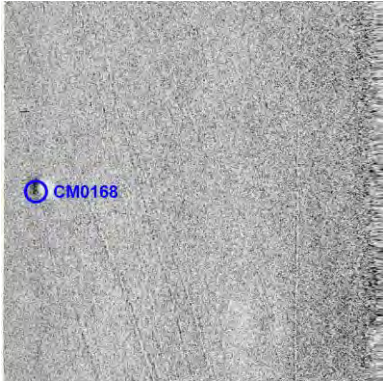
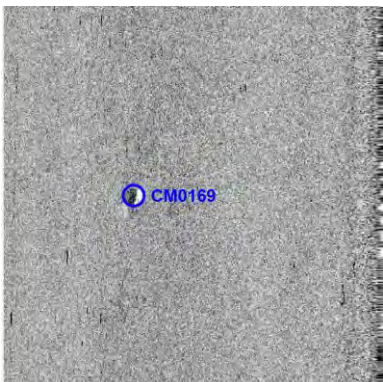
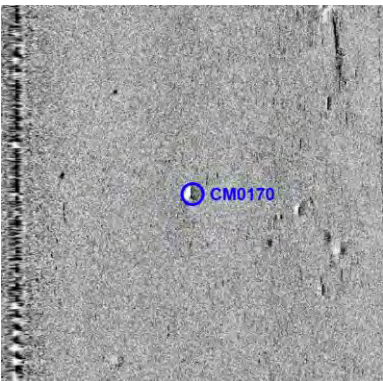
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|  | <p>CM0153</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 21:01:50 • Click Position 37.6095037208 12.0552867895 (WGS84) (X) 240067.69 (Y) 4166568.55 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.006L.xtf • Ping Number: 665775 • Range to target: 116.68 Meters • Fish Height: 18.36 Meters • Heading: 221.900 Degrees • Event Number: 1 • Line Name: H21S-U15A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.84 Meters • Target Height: 0.53 Meters • Target Length: 6.21 Meters • Target Shadow: 3.48 Meters • Classification1: pockmark |
|  | <p>CM0154</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 21:03:50 • Click Position 37.6080864851 12.0535540821 (WGS84) (X) 239909.77 (Y) 4166416.07 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.006L.xtf • Ping Number: 666181 • Range to target: 140.28 Meters • Fish Height: 18.95 Meters • Heading: 221.700 Degrees • Event Number: 1 • Line Name: H21S-U15A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.43 Meters • Target Height: 0.57 Meters • Target Length: 11.03 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0155</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 02:40:55 • Click Position 37.6099061177 12.0580492268 (WGS84) (X) 240312.99 (Y) 4166605.56 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13A.006L.xtf • Ping Number: 735005 • Range to target: 161.10 Meters • Fish Height: 19.73 Meters • Heading: 221.400 Degrees • Event Number: 1 • Line Name: H21S-U13A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.47 Meters • Target Height: 0.56 Meters • Target Length: 7.08 Meters • Target Shadow: 4.72 Meters • Classification1: pockmark |

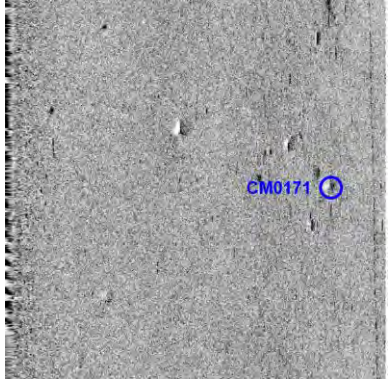
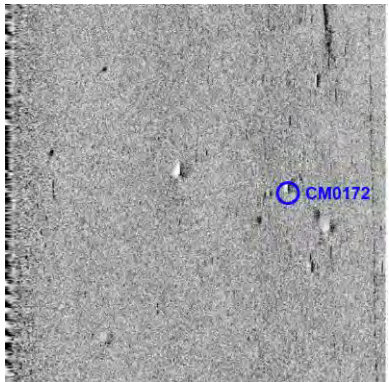
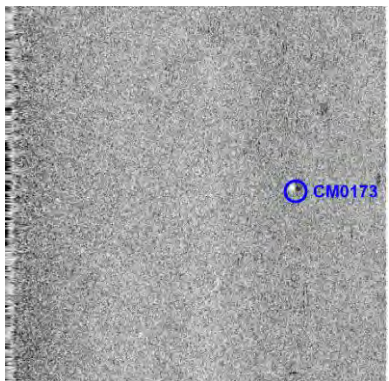
| | | |
|---|---|---|
|  | <p>CM0156</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 02:41:27 • Click Position 37.6094484569 12.0576039784 (WGS84) (X) 240272.09 (Y) 4166556.00 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13A.006L.xtf • Ping Number: 735116 • Range to target: 158.55 Meters • Fish Height: 20.51 Meters • Heading: 221.500 Degrees • Event Number: 1 • Line Name: H21S-U13A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.64 Meters • Target Height: 0.54 Meters • Target Length: 6.68 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0157</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 02:41:43 • Click Position 37.6093122625 12.0572277447 (WGS84) (X) 240238.40 (Y) 4166541.93 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13A.006L.xtf • Ping Number: 735170 • Range to target: 175.13 Meters • Fish Height: 20.12 Meters • Heading: 218.700 Degrees • Event Number: 1 • Line Name: H21S-U13A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.44 Meters • Target Height: 0.44 Meters • Target Length: 5.95 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |
|  | <p>CM0158</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 02:39:45 • Click Position 37.6105388289 12.0593585436 (WGS84) (X) 240430.79 (Y) 4166672.15 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13A.006L.xtf • Ping Number: 734767 • Range to target: 119.23 Meters • Fish Height: 20.51 Meters • Heading: 221.790 Degrees • Event Number: 1 • Line Name: H21S-U13A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 3.79 Meters • Target Height: 0.66 Meters • Target Length: 13.17 Meters • Target Shadow: 3.99 Meters • Classification1: pockmark |

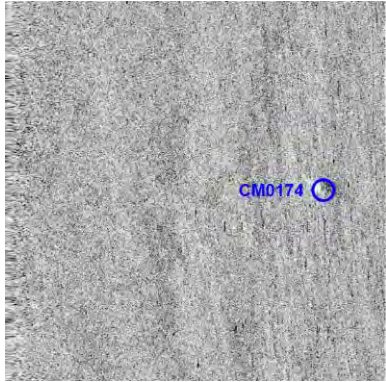
| | | |
|---|---|---|
|  | <p>CM0159</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 17:56:15 • Click Position 37.6097949996 12.0459355243 (WGS84) (X) 239243.08 (Y) 4166626.84 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U25A\H21S-U25A.006L.xtf • Ping Number: 627883 • Range to target: 99.47 Meters • Fish Height: 18.75 Meters • Heading: 34.600 Degrees • Event Number: 1 • Line Name: H21S-U25A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.22 Meters • Target Height: 0.85 Meters • Target Length: 9.46 Meters • Target Shadow: 4.72 Meters • Classification1: pockmark |
|  | <p>CM0160</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 15:18:07 • Click Position 37.6084754871 12.0521942291 (WGS84) (X) 239791.06 (Y) 4166463.01 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U19A\H21S-U19A.006L.xtf • Ping Number: 595596 • Range to target: 83.95 Meters • Fish Height: 19.92 Meters • Heading: 223.400 Degrees • Event Number: 1 • Line Name: H21S-U19A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 2.93 Meters • Target Height: 0.39 Meters • Target Length: 2.09 Meters • Target Shadow: 1.67 Meters • Classification1: pockmark |
|  | <p>CM0161</p> <ul style="list-style-type: none"> • Sonar Time at Target: 01-Jun-21 02:35:36 • Click Position 37.6136141019 12.0621995845 (WGS84) (X) 240692.32 (Y) 4167005.60 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U13A\H21S-U13A.006L.xtf • Ping Number: 733920 • Range to target: 142.83 Meters • Fish Height: 17.97 Meters • Heading: 220.200 Degrees • Event Number: 1 • Line Name: H21S-U13A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.82 Meters • Target Height: 0.57 Meters • Target Length: 7.88 Meters • Target Shadow: 4.72 Meters • Classification1: pockmark |

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|---|---|---|
|  | <p>CM0162</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:54:10 • Click Position 37.6138770187 12.0629845006 (WGS84) (X) 240762.53 (Y) 4167032.60 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.006L.xtf • Ping Number: 664209 • Range to target: 101.17 Meters • Fish Height: 20.90 Meters • Heading: 222.900 Degrees • Event Number: 1 • Line Name: H21S-U15A.006L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 1.05 Meters • Target Height: 0.42 Meters • Target Length: 2.09 Meters • Target Shadow: 2.09 Meters • Classification1: boulder |
|  | <p>CM0163</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 20:37:13 • Click Position 37.6271566451 12.0732504809 (WGS84) (X) 241714.86 (Y) 4168478.07 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15A.004L.xtf • Ping Number: 660749 • Range to target: 160.47 Meters • Fish Height: 21.68 Meters • Heading: 221.790 Degrees • Event Number: 1 • Line Name: H21S-U15A.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.25 Meters • Target Height: 0.57 Meters • Target Length: 6.73 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0164</p> <ul style="list-style-type: none"> • Sonar Time at Target: 30-May-21 22:27:37 • Click Position 37.6388179895 12.0683899517 (WGS84) (X) 241326.29 (Y) 4169785.68 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U29C\H21S-U29C.004L.xtf • Ping Number: 389283 • Range to target: 86.08 Meters • Fish Height: 20.31 Meters • Heading: 220.790 Degrees • Event Number: 1 • Line Name: H21S-U29C.004L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 10.25 Meters • Target Height: 1.46 Meters • Target Length: 8.30 Meters • Target Shadow: 6.68 Meters • Classification1: pockmark |

| | | |
|---|---|--|
|  | <p>CM0165</p> <ul style="list-style-type: none"> • Sonar Time at Target: 30-May-21 22:22:01 • Click Position 37.6417591915 12.0742335498 (WGS84) (X) 241852.21 (Y) 4170095.99 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U29C\H21S-U29C.002L.xtf • Ping Number: 388140 • Range to target: 100.11 Meters • Fish Height: 25.39 Meters • Heading: 222.090 Degrees • Event Number: 1 • Line Name: H21S-U29C.002L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.74 Meters • Target Height: 0.92 Meters • Target Length: 9.12 Meters • Target Shadow: 3.74 Meters • Classification1: pockmark |
|  | <p>CM0166</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 19:00:57 • Click Position 37.6568110259 12.0955881976 (WGS84) (X) 243788.57 (Y) 4171707.86 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U25A\H21S-U25A.012L.xtf • Ping Number: 641094 • Range to target: 93.30 Meters • Fish Height: 20.12 Meters • Heading: 38.000 Degrees • Event Number: 1 • Line Name: H21S-U25A.012L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.64 Meters • Target Height: 0.66 Meters • Target Length: 7.86 Meters • Target Shadow: 3.14 Meters • Classification1: pockmark |
|  | <p>CM0167</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 18:59:23 • Click Position 37.6553762269 12.0950112544 (WGS84) (X) 243732.73 (Y) 4171550.20 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U25A\H21S-U25A.012L.xtf • Ping Number: 640775 • Range to target: 151.11 Meters • Fish Height: 18.75 Meters • Heading: 37.800 Degrees • Event Number: 1 • Line Name: H21S-U25A.012L • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 6.29 Meters • Target Height: 0.48 Meters • Target Length: 7.91 Meters • Target Shadow: 3.93 Meters • Classification1: pockmark |

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|---|---|--|
|  | <p>CM0168</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 19:48:42 • Click Position 37.6613659642 12.1147830800 (WGS84) (X) 245497.77 (Y) 4172161.05 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U15A\H21S-U15AL.xtf • Ping Number: 650842 • Range to target: 181.72 Meters • Fish Height: 22.27 Meters • Heading: 221.200 Degrees • Event Number: 1 • Line Name: H21S-U15AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 14.17 Meters • Target Height: 0.83 Meters • Target Length: 11.09 Meters • Target Shadow: 7.07 Meters • Classification1: pockmark |
|  | <p>CM0169</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 08:23:35 • Click Position 37.6640935313 12.0935563127 (WGS84) (X) 243634.36 (Y) 4172521.65 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U33A\H21S-U33AL.xtf • Ping Number: 510961 • Range to target: 130.71 Meters • Fish Height: 20.31 Meters • Heading: 225.200 Degrees • Event Number: 1 • Line Name: H21S-U33AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 9.04 Meters • Target Height: 0.65 Meters • Target Length: 9.43 Meters • Target Shadow: 4.32 Meters • Classification1: pockmark |
|  | <p>CM0170</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 08:24:15 • Click Position 37.6649099681 12.0910965307 (WGS84) (X) 243420.16 (Y) 4172618.99 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U33A\H21S-U33AL.xtf • Ping Number: 511098 • Range to target: 92.45 Meters • Fish Height: 20.12 Meters • Heading: 223.500 Degrees • Event Number: 1 • Line Name: H21S-U33AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 8.26 Meters • Target Height: 0.98 Meters • Target Length: 9.49 Meters • Target Shadow: 4.72 Meters • Classification1: pockmark |

| | | |
|---|---|--|
|  | <p>CM0171</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 08:23:59 • Click Position 37.6655510162 12.0906426585 (WGS84) (X) 243382.33 (Y) 4172691.38 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U33A\H21S-U33AL.xtf • Ping Number: 511042 • Range to target: 170.24 Meters • Fish Height: 20.12 Meters • Heading: 225.290 Degrees • Event Number: 1 • Line Name: H21S-U33AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 7.07 Meters • Target Height: 0.63 Meters • Target Length: 4.73 Meters • Target Shadow: 5.50 Meters • Classification1: pockmark |
|  | <p>CM0172</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 08:24:09 • Click Position 37.6653167639 12.0907193769 (WGS84) (X) 243388.29 (Y) 4172665.17 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U33A\H21S-U33AL.xtf • Ping Number: 511077 • Range to target: 147.71 Meters • Fish Height: 20.12 Meters • Heading: 224.900 Degrees • Event Number: 1 • Line Name: H21S-U33AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 4.32 Meters • Target Height: 0.26 Meters • Target Length: 5.12 Meters • Target Shadow: 1.96 Meters • Classification1: pockmark |
|  | <p>CM0173</p> <ul style="list-style-type: none"> • Sonar Time at Target: 31-May-21 08:16:48 • Click Position 37.6710802296 12.0975329573 (WGS84) (X) 244009.22 (Y) 4173286.17 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: D:\04_RESULTS\SSS data (XTF)\raw\xtf\H21S-U33A\H21S-U33AL.xtf • Ping Number: 509578 • Range to target: 151.75 Meters • Fish Height: 19.34 Meters • Heading: 229.700 Degrees • Event Number: 1 • Line Name: H21S-U33AL • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 5.52 Meters • Target Height: 0.39 Meters • Target Length: 3.56 Meters • Target Shadow: 3.14 Meters • Classification1: pockmark |

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|  | <p>CM0174</p> <ul style="list-style-type: none"> • Sonar Time at Target: 09-May-21 00:31:11 • Click Position 37.6241318328 12.0677175039 (WGS84) (X) 241215.97 (Y) 4168157.63 (Projected Coordinates) • Map Projection: :HANNIBAL1 • Acoustic Source File: \\Qnap-main\backup tree\F181713\2 - Field Data\01 - Survey Data\04 - Data\01 - Analogue Data\SSS data (XTF)\raw\jsf\H21S-U17\H21S-U17A.007.jsf • Ping Number: 81401 • Range to target: 166.26 Meters • Fish Height: 18.55 Meters • Heading: 221.590 Degrees • Event Number: (-1) • Line Name: H21S-U17A.007 • Positioning System to Sensor: 0.0000 | <p>Dimensions and attributes</p> <ul style="list-style-type: none"> • Target Width: 12.99 Meters • Target Height: 0.72 Meters • Target Length: 9.44 Meters • Target Shadow: 6.68 Meters • Classification1: pockmark |
|---|---|---|

Appendice C

Rapporto del Processing UHR



Parco Eolico Offshore Flottante del Canale di Sicilia – Rilievo Geofisico

Rapporto del Processing UHR

WP2 | Offshore Canale di Sicilia, Italy

F181713 00| 13 Agosto 2021

Finale

7 Seas Med



Controllo Documento

Documento

| | |
|---------------------|--|
| Titolo progetto | Rilievo Geofisico per il Parco Eolico Offshore Flottante del Canale di Sicilia |
| Progetto Fugro No. | F181713 |
| Documento Fugro No. | F181713 00 |
| No. Revisione | 00 |
| Stato Revisione | Finale |

Cliente

| | |
|----------------------|-------------------------------------|
| Cliente | 7 Seas Med |
| Indirizzo cliente | Via Plinio 127 74121 Taranto, Italy |
| Contatto del cliente | John Francis Cudden |

Revisioni

| Revisione | Data | Stato | Commenti | Preparato Da | Controllato Da | Approvato Da |
|-----------|----------------|--------|-----------------------|--------------|----------------|--------------|
| 00 | 13 Agosto 2021 | Finale | Per Revisione Cliente | PB | GB | FB |

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Abbreviazioni e glossario

| | |
|---------------|---|
| UHR | Ultra-High Resolution (altissima risoluzione) |
| CMP | Common Mid-Point (Punto Intermedio Comune) |
| DC | Direct Current (corrente continua) |
| EBCDIC | Extended Binary Coded Decimal Interchange Code |
| SP | Shot Point (Punto di Energizzazione) |
| SRME | Surface-Related Multiple Elimination (Eliminazione delle Multiple Relative alla Superficie) |
| SWNA | Surface Wave Noise Attenuation (Attenuazione del Rumore dovuto alle Onde di Superficie) |
| TFDN | Time-Frequency De-Noise (Attenuazione del Rumore Tempo-Frequenza) |
| RL | Record Length (lunghezza della registrazione sismica) |

1. Introduzione

Fugro ha acquisito un rilievo per un parco eolico flottante, al largo della Sicilia, utilizzando una nave di opportunità. In totale, nel sito principale sono state acquisite 163 linee di dati sismici marini ad altissima risoluzione, per un totale di circa 1033 chilometri di dati con copertura massima (24-fold / copertura). I dati sono stati elaborati negli uffici in Roma, utilizzando il software di elaborazione Fugro Uniseis.

I dati del rilievo geofisico aiuteranno il cliente a determinare la profondità dell'acqua, gli spessori delle formazioni, le caratteristiche del fondale marino e i relativi rischi.

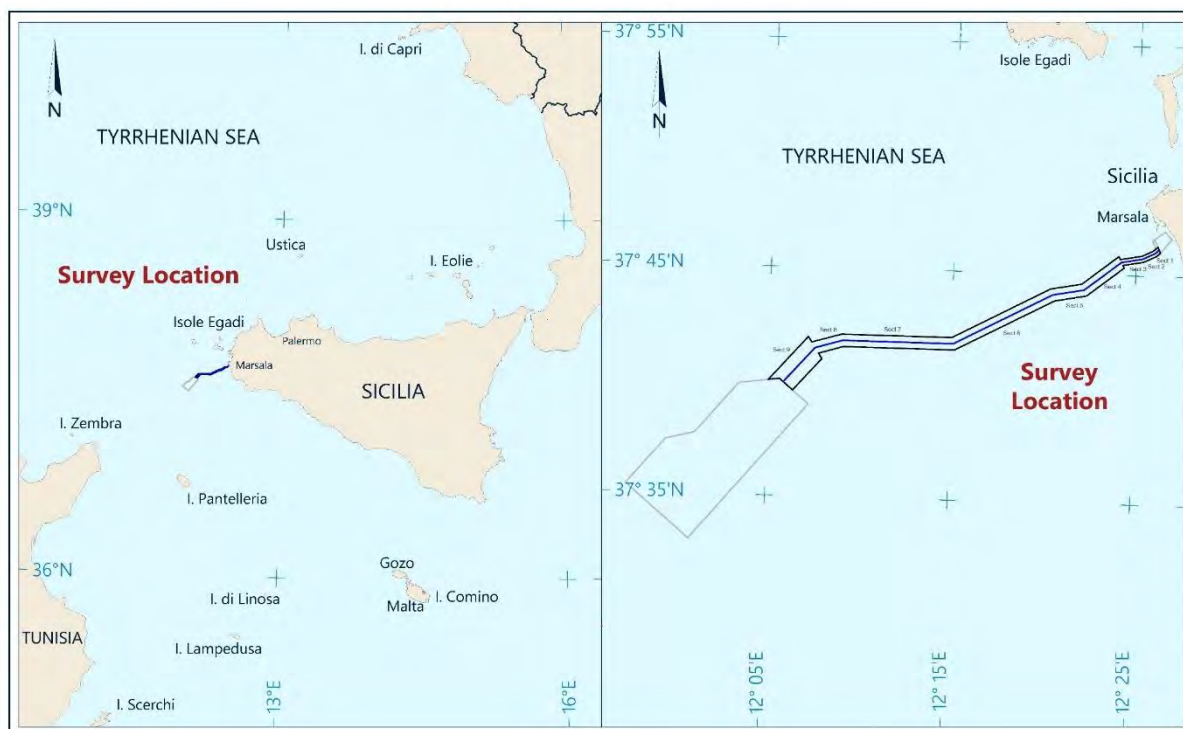


Figura 1.1: area del rilievo geofisico UHR

1.1 Parametri adottati durante l'acquisizione dei dati UHR

Le apparecchiature di acquisizione sono elencate di seguito (vedere la Tabella 1.2: Parametri di acquisizione). Sono stati utilizzati due diversi offset (distanze) in linea, 25 m per profondità dell'acqua > 100 m e 0 m per profondità dell'acqua < 100 m. Le prime 9 sequenze sono state separate con 500 ms di registrazione del dato sismico.

I test sulla potenza degli Sparker sono stati eseguiti prima della fase di produzione (vedi Tabella 1.1: Test sulla potenza dello Sparker). Dopo la conferma da parte del rappresentante del cliente a bordo, si è concluso che la potenza dello sparker 600 J sarebbe stata utilizzata sia in acque basse che profonde.

Tabella 1.1: Tests sulla Potenza dello sparker

| Potenza Sparker | Profondità dell'acqua | Offset (Distanza) in linea |
|-----------------|-----------------------|----------------------------|
| 1000 J | > 100 m | 25 m |
| 600 J | > 100 m | 25 m |
| 400 J | > 100 m | 25 m |
| 600 J | < 100 m | 0 m |
| 400 J | < 100 m | 0 m |

Tabella1.2: Parametri Acquisizione

| Strumenti Sismici | |
|--|---------------------------------------|
| Lunghezza dello cavo attivo | 150 m (Geometrics GeoEel, 6 sections) |
| Numero dei gruppo sismici | 48 |
| Fold/copertura | 24 |
| Distanza gruppi | 3.125 m |
| Lunghezza gruppi | 3.125 m |
| Profondità cavo | 0.7 m |
| Offset (distanza) in linea | 0 & 25 m |
| offset (distanza) laterale | 4.66 m |
| Sorgente | Dura spark 400 |
| Energia emessa dalla sorgente | 600 J |
| Intervallo tra i punti di energizzazione | 3.125 m |
| Profondità della sorgente | 0.5 m |
| Sistema di registrazione | |
| Numero dei canali sismici | 48 |
| Intervallo di campionamento | 0.25 ms |
| Lunghezza della registrazione | 500 & 800 ms |
| Formato | SEG D 8058 rev1 |

2. Elaborazione dei dati sismici UHR

2.1 Pre-processamento

Per ogni linea sismica, il dato grezzo in formato SEGD è stato riformattato in un formato interno Uniseis e successivamente sono stati applicati un filtro digitale passabanda 20Hz/18 dB/ottava ed una funzione di recupero di ampiezza pari a T^2 .

Il controllo della qualità dei dati è stato condotto in modo da identificare eventuali shot mancanti, canali difettosi e registrazioni rumorose che potevano avere un effetto negativo sulla qualità dei dati. La geometria è stata applicata in modo a ciascuna traccia un numero CMP e le tracce vicine raccolte in gruppi sono state utilizzate per selezionare in modo interattivo un tempo per il fondo mare da utilizzare nelle elaborazioni successive.

2.2 Georeferenziazione

Le coordinate X, Y relative al punto comune di riflessione ("CMP") sono state inserite nei file sismici prima di ulteriori fasi di elaborazione.

2.3 Attenuazione del rumore non coerente e di quello dovuto al moto ondoso

Il rumore non coerente e dovuto al moto ondoso è stato efficacemente attenuato utilizzando gli algoritmi Uniseis "SWELL", "TFDN" e "SWNA". Questi strumenti sono stati dapprima applicati ai dati nel dominio degli shot gather, seguito da un ulteriore passaggio nel dominio di offset commune (CMP gather).

SWELL è un semplice algoritmo che sfrutta il fatto che, a differenza di una sorgente impulsiva come uno shot, l'ampiezza del rumore di swell (moto ondoso) non decade nel tempo poiché viene continuamente generato durante la registrazione. Il processo scompone i dati delle tracce in componenti di segnale e rumore, riducendo o rimuovendo il rumore per lasciare una traccia pulita. SWELL è stato applicato a frequenze fino a 75 Hz.

TFDN funziona trasformando tutte le tracce in una breve finestra temporale scorrevole nel dominio della frequenza. In questo spazio, l'algoritmo confronta il contenuto in frequenza di ciascuna traccia con il contenuto in frequenza delle tracce vicine per identificare le anomalie. Se una qualsivoglia componente di frequenza in una determinata traccia è maggiore di una soglia specificata dall'utente, TFDN attenua l'ampiezza anomala a quella frequenza nella traccia corrente in esame al livello della soglia. TFDN è stato applicato a frequenze fino a 250 Hz nel dominio di ripresa e fino a 250 Hz nel dominio offset comune.

L'attenuazione dell'immersione (SWNA) è stata quindi applicata per attenuare eventuali cali non fisici del segnale fino a 120 Hz al di sotto di una velocità apparente di 1000 m/s.

Vedere la Figura 2.1 per un esempio del risultato di questi algoritmi.

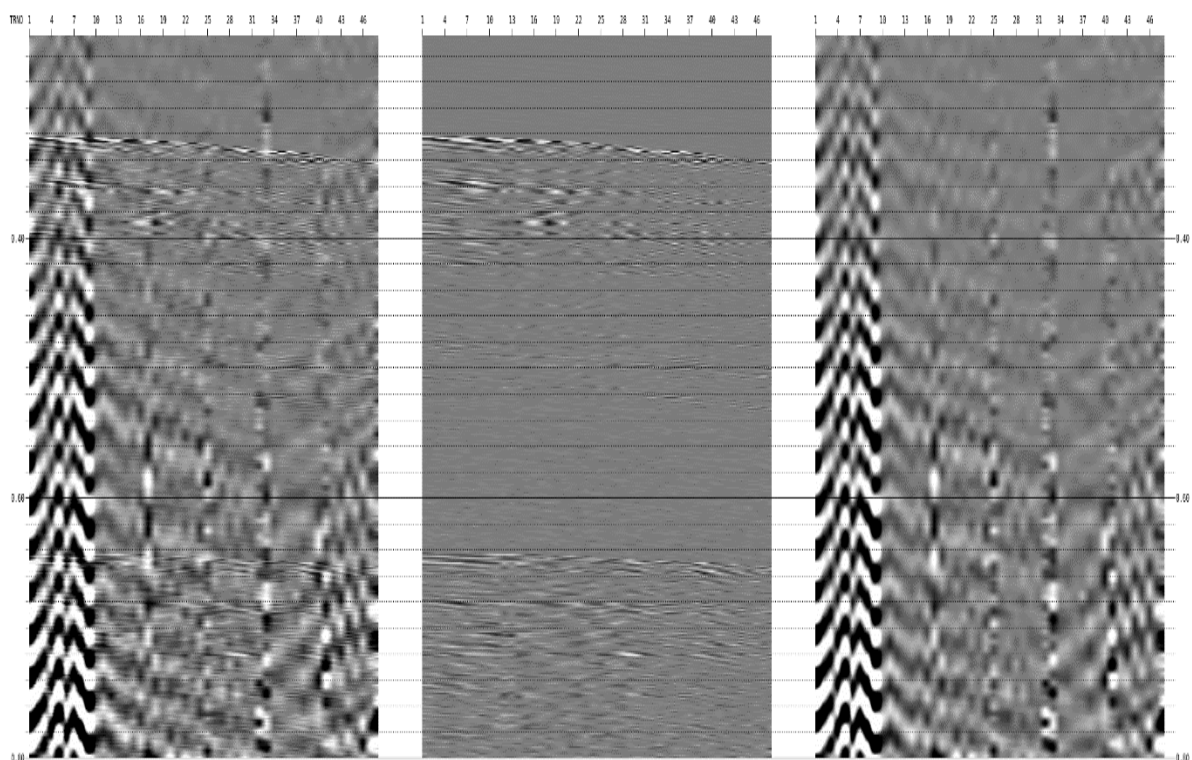


Figura 2.1: Stack prima e dopo denoise e differenza

2.4 Attenuazione del rumore lineare

Il rumore lineare è stato osservato sulla maggior parte delle linee. Ai dati è stata applicata una trasformazione lineare Tau-P per attenuare efficacemente questo rumore. Un wrap-around NMO (Normale Ricollocazione delle tracce) con una velocità grezza è stato applicato ai dati per proteggere il segnale, silenziando i dati con un calo maggiore di ± 35 ms sull'intero intervallo di offset nello spazio Tau-P. I valori dell'intervallo di trasformazione di ± 30 ms hanno iniziato a mostrare accenni di rimozione primaria, e si è verificato che il valore ± 40 ms è stato meno efficace nell'attenuazione del rumore lineare. L'applicazione della rimozione è stata effettuata solo da un valore minimo di 35 ms del parametro al di sotto del fondale al fine di proteggere l'ampiezza dello stesso.

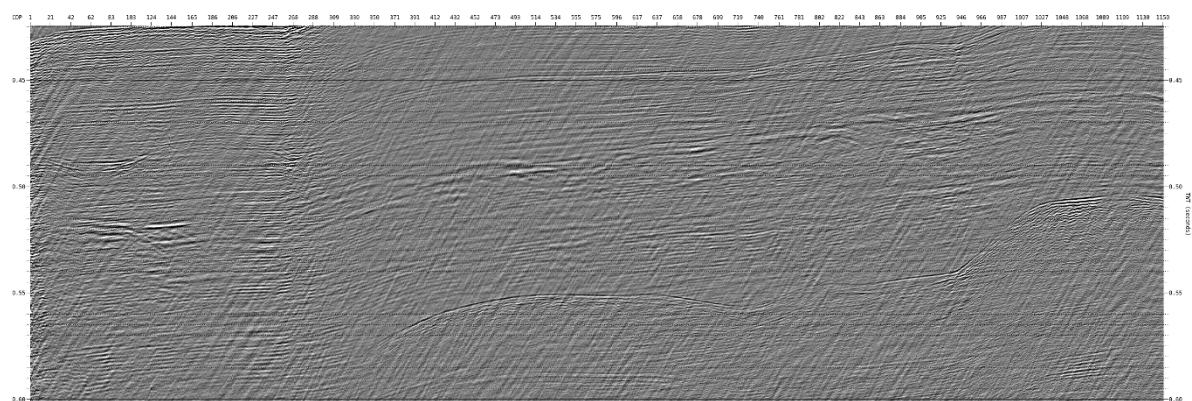


Figura 2.2: Sezione prima dell'attenuazione del rumore lineare

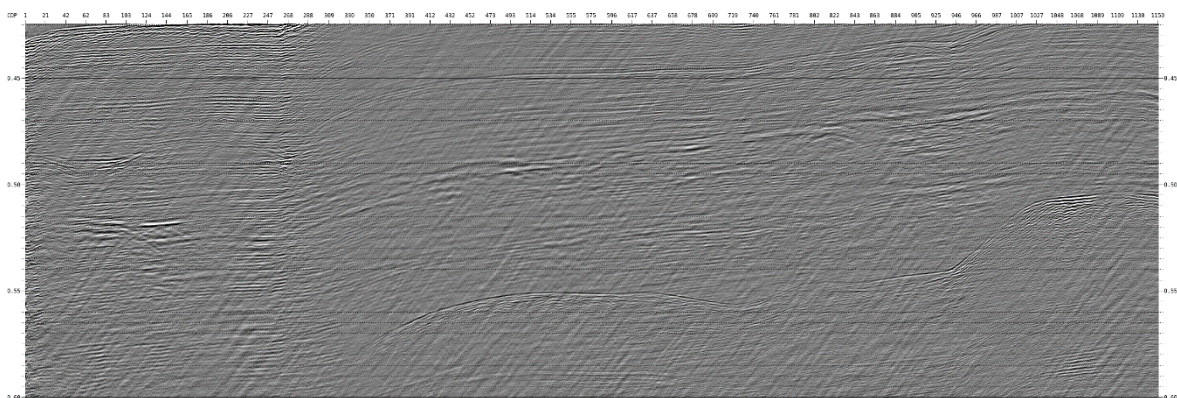


Figura 2.3: Sezione dopo dell'attenuazione del rumore lineare

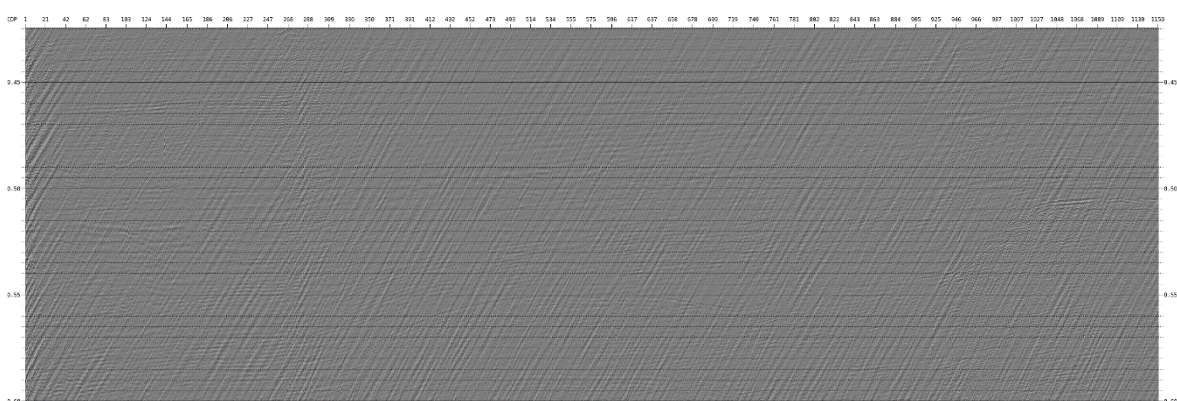


Figura 2.4: Differenze prima e dopo l'attenuazione del rumore lineare

2.5 Attenuazione del segnale "fantasma" della sorgente e del ricevitore

L'elevato contrasto di impedenza acustica tra la colonna d'acqua e la superficie del mare fa sì che quest'ultima agisca come un riflettore quasi perfetto dell'energia acustica. Di conseguenza, parte dell'energia acustica proveniente da una sorgente sismica si riflette su questa interfaccia prima di essere registrata dai ricevitori e questo effetto viene chiamato riflessione "fantasma" (sorgente/ricevitore), limitando così la banda spettrale del campo d'onda.

Per attenuare gli effetti fantasma sorgente, ricevitore e combinati sorgente/ricevitore, è stato applicato il modulo "DEGHOST" di Uniseis. "DEGHOST" tenta di separare l'energia primaria dal campo d'onda fantasma secondario. Il campo d'onda imminente primario dovrebbe essere più rappresentativo della riflettività del sottosuolo richiesta per l'interpretazione. Le riflessioni dovrebbero diventare onde più corte, meno complesse ed essere più rappresentative della loro caratteristica riflettività in grandezza e polarità. Come conseguenza di ciò, la risoluzione risulta migliorata e lo spettro più ampio. Vari test hanno mostrato che il coefficiente di riflessione standard di -1 per l'attenuazione dell'effetto fantasma relative della sorgente e del ricevitore ha funzionato bene. È stata applicata una tolleranza di altezza d'onda di 0,5 m per il modello di diffusione dipendente dalla frequenza per l'attenuazione

dell'effetto dovuto alla sorgente e del ricevitore, e ciò ha contribuito a ridurre il riverbero associate all'algoritmo.

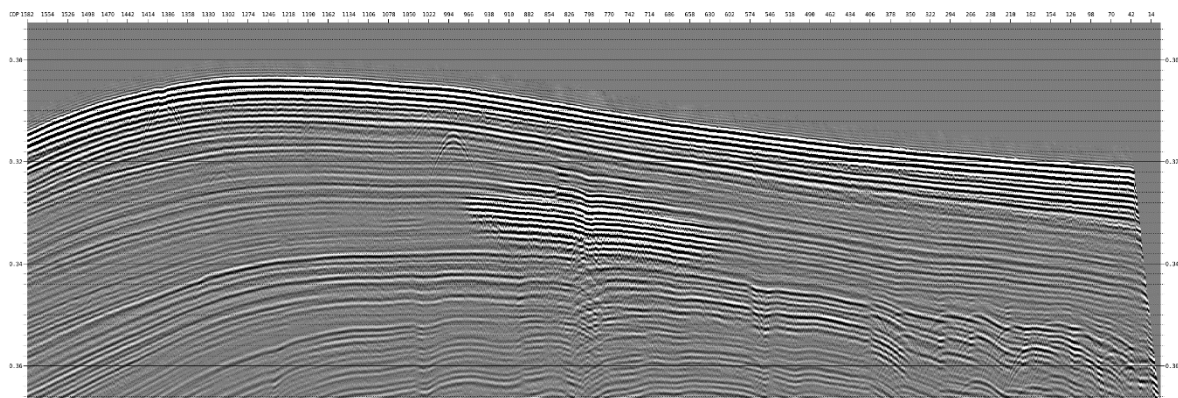


Figura 2.5: Sezione prima dell' attenuazione del segnale "fantasma" applicato a sorgente e ricevitore

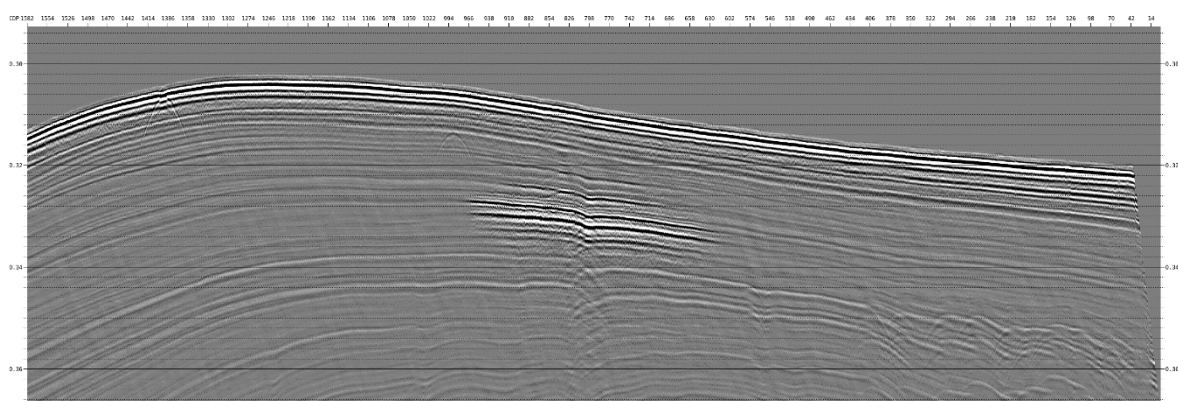


Figura 2.6: : Sezione dopo l' attenuazione del segnale "fantasma" applicato a sorgente e ricevitore

2.6 Eliminazione delle multiple relative al fondo marino - Surface Related Multiple Elimination (SRME)

Per ridurre l'energia associate ai segnali multipli, del fondo mare è stato applicato l'algoritmo SRME (Surface Related Multiple Elimination o Eliminazione delle Multiple Associate al Fondo Mare). SRME utilizza la geometria della registrazione degli shot per stimare tutte le possibili ripetizioni che possono essere generate dalla superficie. Prima di valutare il modello dei segnali multipli, i dati registrati sono stati estrapolati allo zero offset ed è stato applicato un taglio alle registrazioni degli shot in ingresso per rimuovere l'arrivo diretto e l'energia dell'onda guidata.

L'energia multipla prevista è stata rimossa dal segnale in ingresso tramite un doppio algoritmo di adattamento adattativo, il primo eseguito nel dominio del piano offset e il secondo nel dominio degli shot. Prima della sottrazione adattiva, l'energia al di sopra del primo segnale multiplo del fondale marino è stata rimossa tagliando il segnale. L'algoritmo SRME è risultato efficace nell'attenuare l'energia multipla preservando gli eventi primari. Il segnale multiplo ad alta frequenza residuo è stato nuovamente ridotto utilizzando una tecnica di riduzione del rumore residuo eseguita nel dominio wavelet (ona). Fare riferimento

alla Figura 2.7 e alla Figura 2.8 per un esempio di sezione prima e dopo applicazione del SRME.

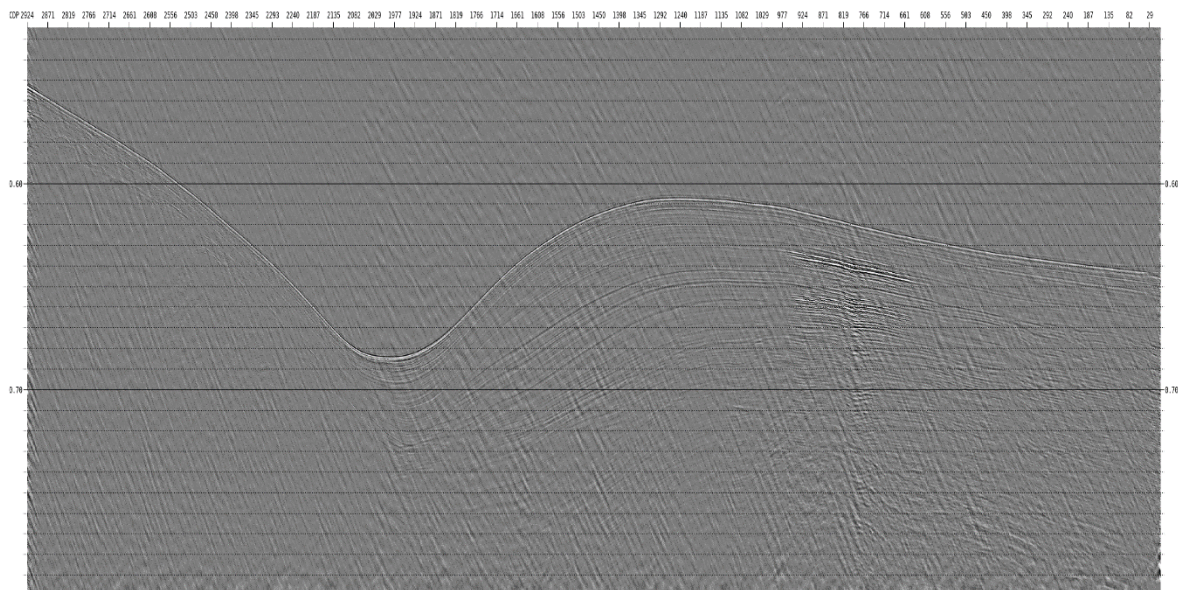


Figura 2.7: Sezione prima SRME



Figura 2.8: Sezione dopor SRME

2.7 Analisi di velocità

Un'analisi della velocità ad alta risoluzione, utilizzando la correzione NMO di 2° ordine, è stata condotta per ciascuna linea utilizzando il software di analisi della velocità interattivo Pegasus. L'analisi è stata eseguita ad intervalli di 500 m, con ogni posizione confrontata e vincolata da posizioni vicine. Ciò ha garantito la coerenza tra le linee adiacenti e le posizioni di velocità.

2.8 Migrazione in tempi pre stack - Pre-stack Time Migration (PSTM)

I dati sono stati suddivisi in piani di offset pronti per la migrazione temporale di Kirchhoff 2D. Poiché il controllo della velocità si è rivelato buono, la migrazione è stata eseguita utilizzando il 100% della velocità selezionata.

Un'apertura maggiore in genere fornisce immagini migliori di strutture complesse, ma può portare a livelli di rumore più elevati e tempi di esecuzione più lunghi. È stata utilizzata un'apertura di migrazione di raggio 110 m ed è stata applicata una protezione anti-alias basata su una percentuale di allungamento dell'onda (wavelet) del 60%.

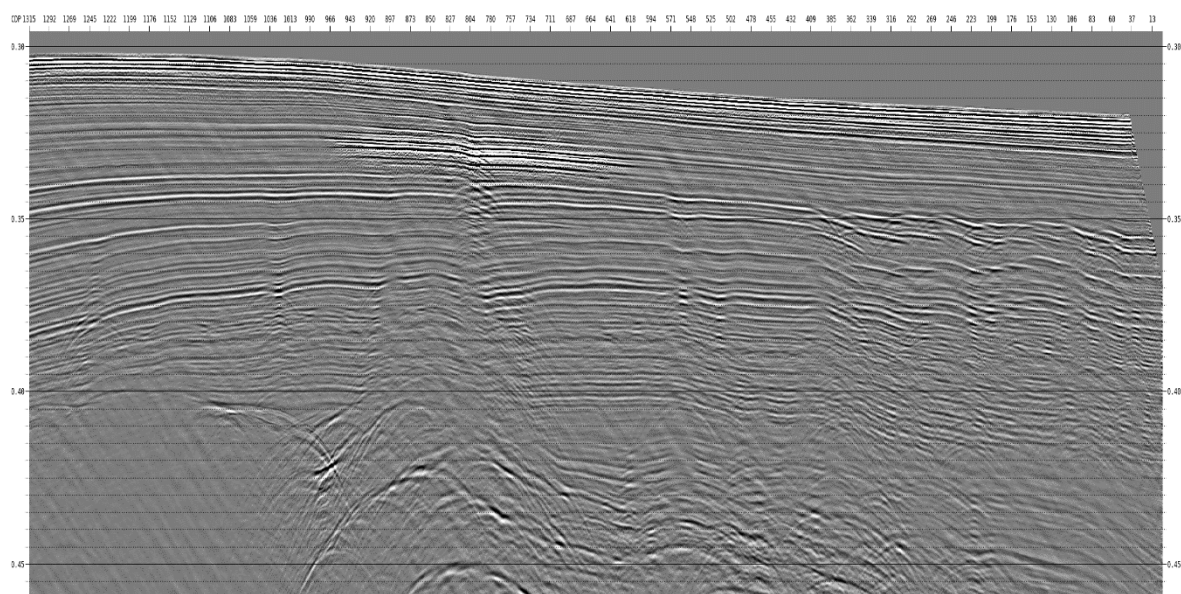


Figura 2.9: Sezione prima PSTM

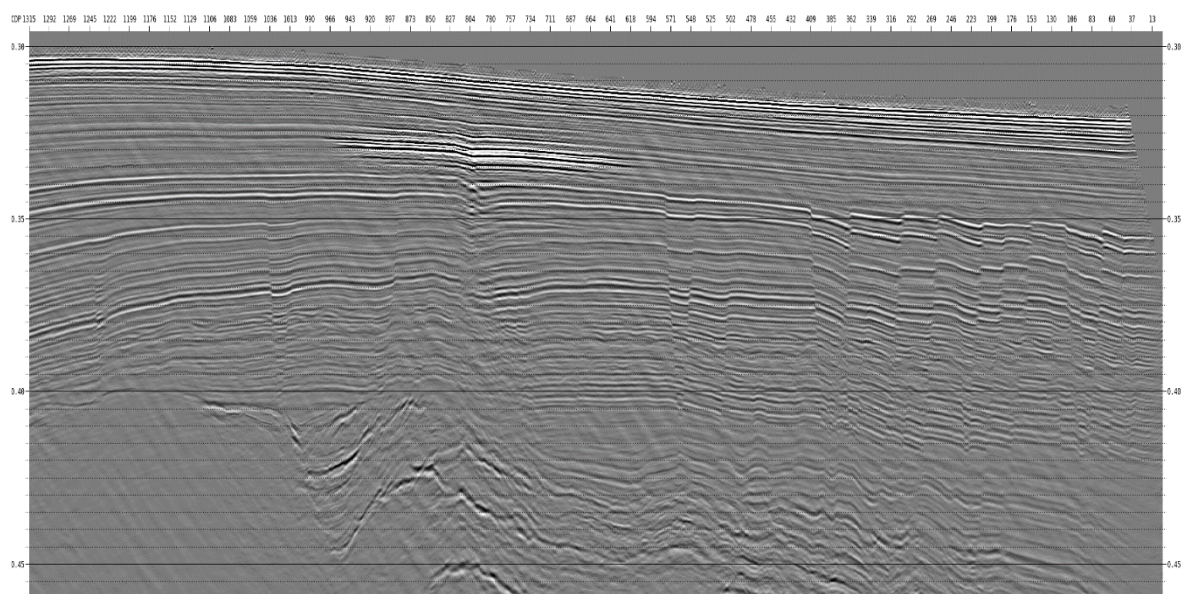


Figura 2.10: PSTM Sezione

2.9 Mute e Stack

Un ultimo passaggio di stacking mute è stato progettato su CMP corretti per NMO. I CMP sono stati valutati visivamente sullo schermo per determinare gli accoppiamenti di offset temporale per il mute di stack esterno. I valori sono stati selezionati per essere il più inclusivi possibile di offset pur mantenendo la nitidezza nella geologia a riflessione superficiale. Durante il processo è stata utilizzata la normalizzazione della traccia di 1/N. Vedere la Figura 2.11 per un esempio delle raccolte corrette da NMO con il mute finale sovrapposto.

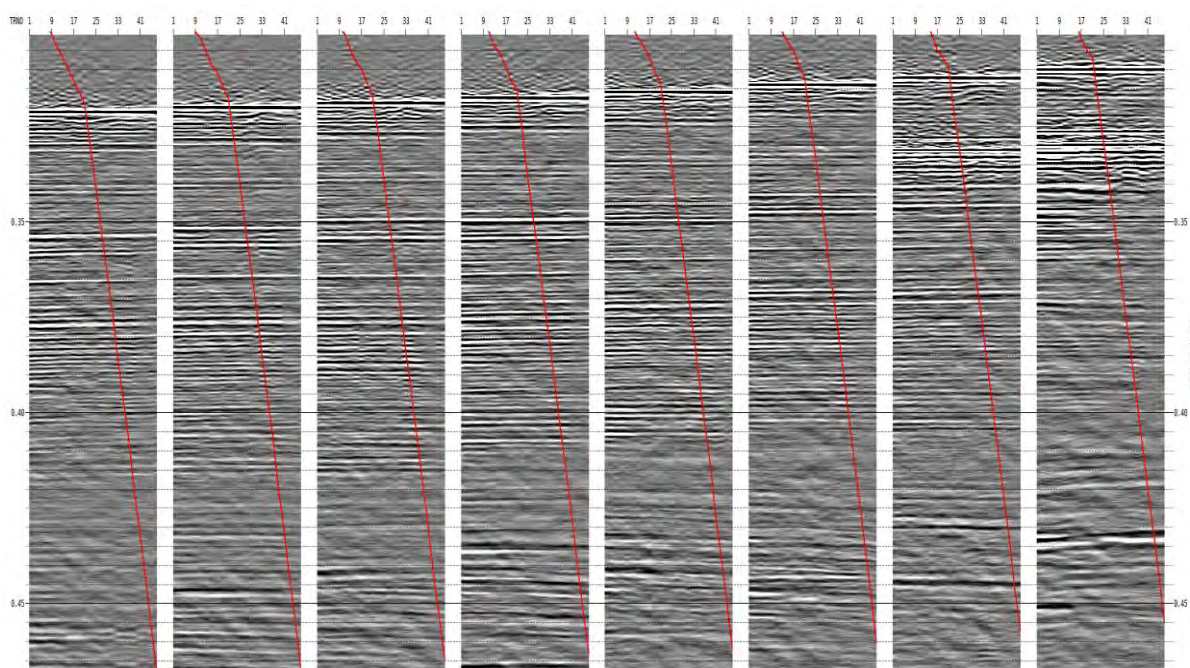


Figura 2.11: Gruppi di tracce CMP con sovrapposizione dello stacking mute finale

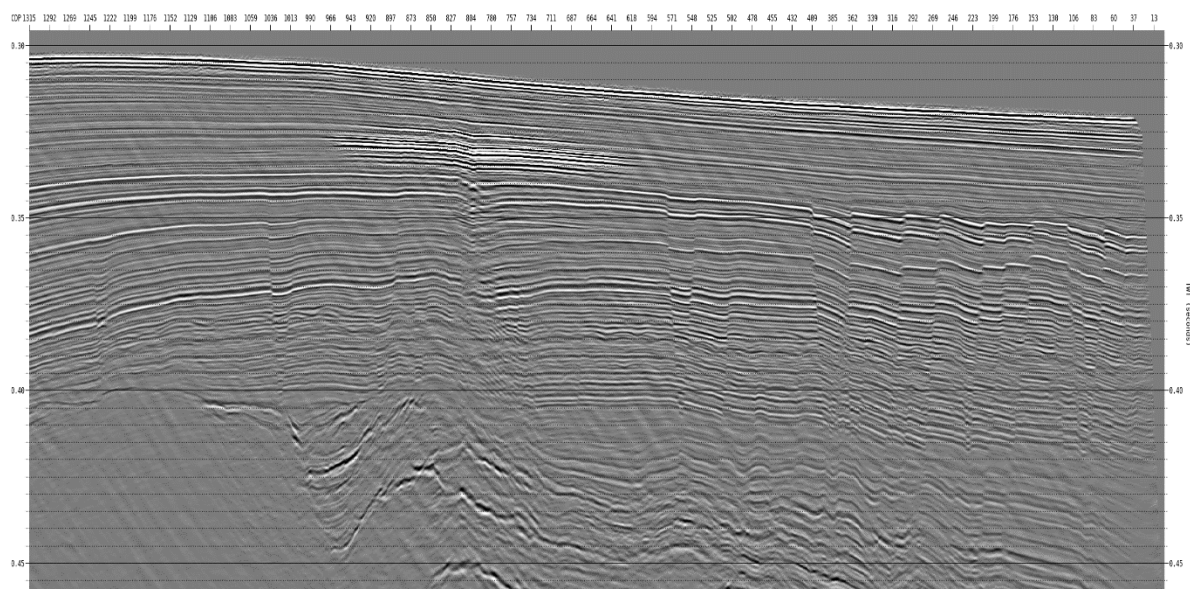


Figura 2.12: Sezione con mute finale

2.10 Elaborazione Post Migrazione

Dopo la migrazione e lo stack, sono state eseguite le fasi di post-elaborazione per migliorare la risoluzione e l'attenuazione del rumore residuo. Si è arrivati al seguente insieme di processi:

- SWNA filtro fino a 200 Hz
- Compensazione Q inversa solo in ampiezza ($Q = 100$)
- Trasformata wavelet di Gabor (shaping)

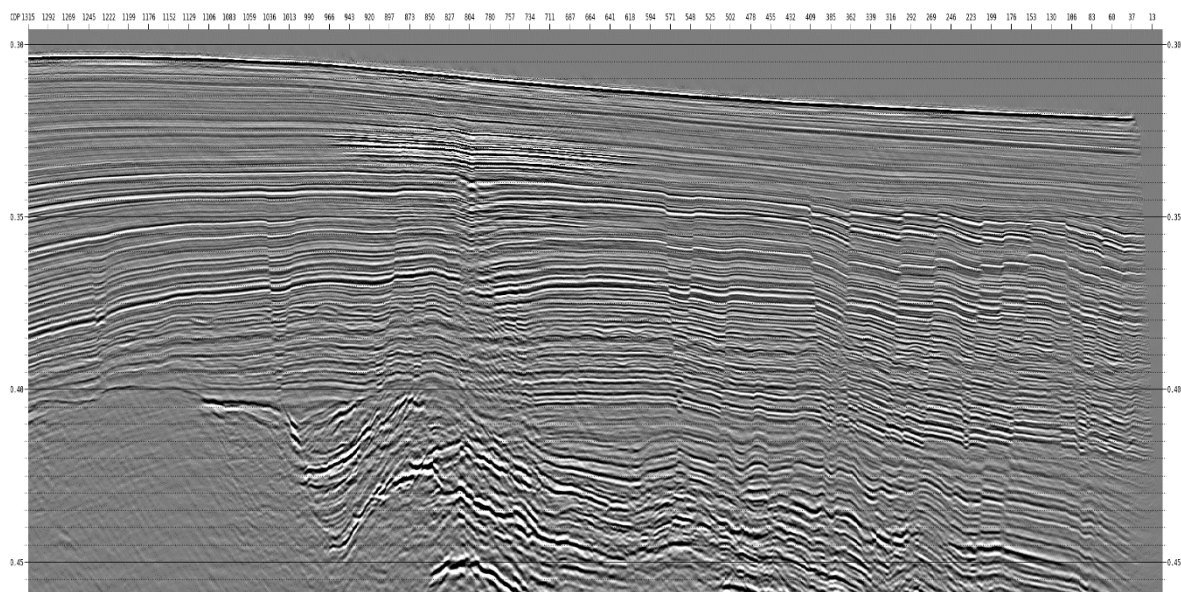


Figura 2.13: Sezione con elaborazioni post processing

2.11 Conversione della fase – (Fase Zero)

Un filtro di conversione a fase zero è stato derivato dalle sezioni finali. È stata creata una wavelet da ogni linea appiattendolo al fondale marino a un tempo costante, quindi sommando l'intera linea; alla fine tutte le wavelet sono state sommate, creando una wavelet principale. Questa wavelet rappresentativa del fondale marino è stata analizzata ed è stato creato un filtro di conversione a fase zero. Il filtro è stato applicato allo stack e verificato. Si veda la Figura 2.14 per l'effetto della fase zero sulla sezione.

Ai dati dopo l'operazione di Designature è stato applicato un filtro dipendente dal tempo (vedere la tabella 2.1 per i dettagli). Infine, i dati sono stati spostati sulla superficie del mare ed è stato applicato un taglio cosmetico alla profondità del fondale marino.

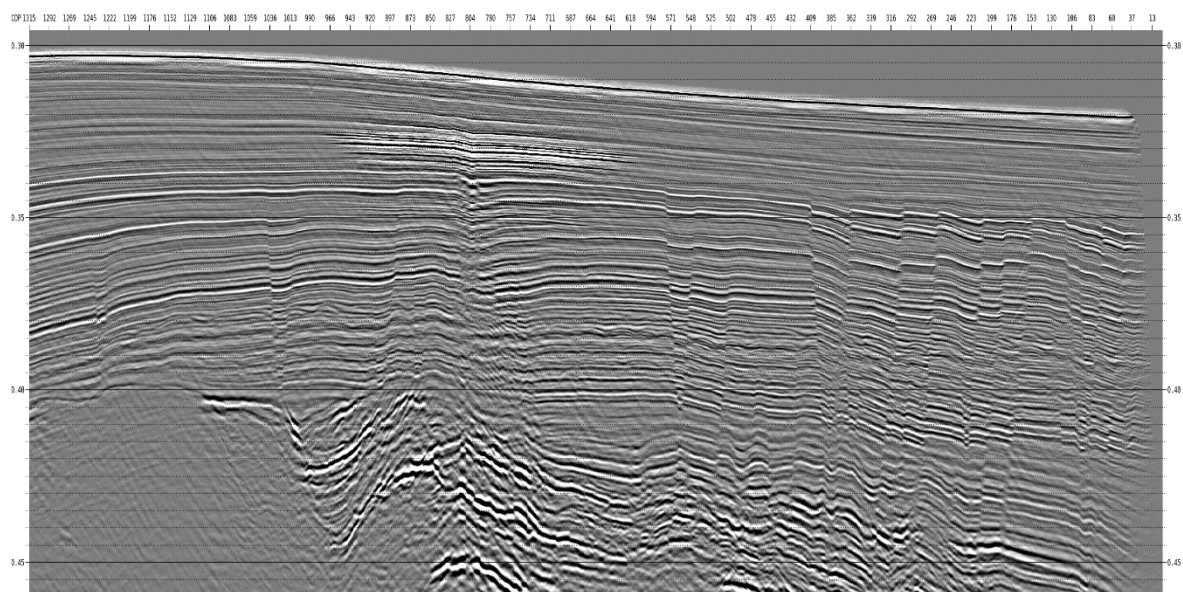


Figura 2.14: Sezione finale con fase zero-

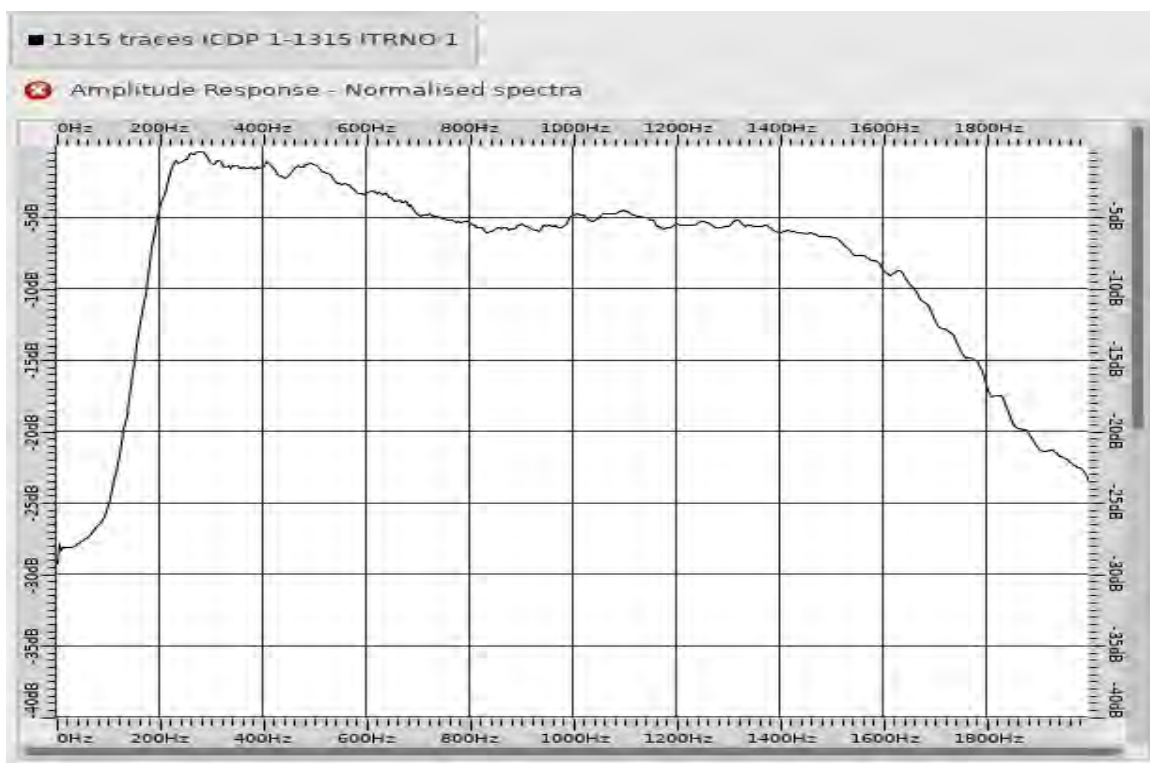


Figura 2.15: Spettro di frequenza della sezione migrata finale

Tabella 2.1: Valori dei parametri del filtro variabile in tempi

| Tempi | Pendenza di taglio basso [dB/Octave] | Frequenz di taglio basso [Hz] | Frequenz di taglio alto [Hz] | Pendenza di taglio alto [dB/Octave] |
|-------|---|----------------------------------|---------------------------------|--|
| 0-100 | 36 | 200 | 1600 | 36 |
| 400 | 36 | 100 | 1600 | 36 |

2.12 SEG-Y (Equalizzati e Ampiezza reale - True amplitude)

Le sezioni finali sono stati prodotti in formato SEG-Y con le posizioni CMP dai file P190 in formato UKOOA standard. AGC è stato applicato per creare la sezione SEG-Y equalizzata ed è stata applicata una conversione da tempo a profondità per creare un SEG-Y in profondità. Un esempio dell'intestazione EBCDIC è mostrato nella Figura 2.16.

```

C01 CLIENT: 7SEAS-MED                RECORDED BY: FUGRO
C02 LINE: 003-H21E-U01  AREA: MARSALA
C03 VESSEL: SHARK1; DATE: JUL-2021
C04 INSTRUMENT: GEODE                MODEL:                SERIAL NO:
C05 DATA TRACES/RECORD: 48  AUXILIARY TRACES/RECORD: 0  CDP FOLD:24
C06 SAMPLE RATE: 0.25 MS                SAMPLES/TRACE: 2000  BYTES/SAMPLE
C07 RECORDING FORMAT: SEG-D            FORMAT THIS REEL: SEG-Y
C08 SAMPLE CODE: FLOATING PT
C09 GAIN TYPE:
C10 FILTERS:
C11 SOURCE: SPARKER                    SHOT POINT INTERVAL: 3.125 M
C12 SOURCE DEPTH: 0.5 M
C13 SWEEP: START  HZ  END      HZ LENGTH      MS  CHANNEL NO  TYPE
C14 TAPER: START LENGTH      MS END LENGTH      MS  CHANNEL NO  TYPE
C15 SPREAD:5.65 M - 150.106 M  GROUP INTERVAL: 3.125 M
C16 GEOPHONES: 48  CABLE DEPTH: 0.7 M;
C17 PROCESSING *** 30 JUN 2021 *****
C18 250 HZ LOW CAT FILTERING
C19 AMPLITUDE RECOVERY: T 2 SPHERICAL DIV
C20 NAVIGATION MERGING
C21 WATER BOTTOM AUTOMATIC PICKING AND SMOOTHING
C22 50 HZ LC BUTTERWORTH FILTER
C23 TFDN AND LINEAR DENOISE
C24 SOURCE AND RECEIVER DEGHOSTING
C25 SRME IN COMMON OFFSET AND SHOT GATHERS
C26 WAVDEN
C27 PICKING EACH 300 CDP
C28 MMO
C29 STACK
C30 DECONVOLUTION AFTER STACK LAG 8 OPER 50
C31 FX FILTERING
C32 TIME VARIANT FILTERING
C33 FINAL RECOVERY GAIN AT 8DB/SEC
C34 COSMETIC MUTE AT WATER BOTTOM
C35 TRUE AMPLITUDE, NO EQUALIZATION APPLIED
C36 ZERO PHASE - NORMAL POLARITY - FOR DEPTH SEG-Y: VERTICAL SCALE IS IN METER WI
C37 NAVIGATION REFERENCED TO CDP POSITION
C38 CDP RANGE: 1-4228, SHOTPOINT RANGE: 1000-3090
C39 CDP X,Y COORDINATES AT BYTES: 73-76,77-80
C40 SHOTPOINT AT BYTE 17-20; CDP AT BYTE 21-24

```

Figura 2.16: SEG-Y EBCDIC intestazione

3. Riepilogo della sequenza di elaborazione

Tabella 3.1 presenta il flusso di elaborazione finale applicato ai dati sismici 2DUHR.

Tabella 3.1: Flusso di elaborazione

| # | Descrizione |
|-----|--|
| 1. | Inserimento dati SEG-D grezzi |
| 2. | Filtro passa banda 20 Hz, 18 dB/Oct |
| 3. | Correzione della divergenza sferica T^2 |
| 4. | Assegnazione della geometria |
| 5. | Inserimento della navigazione CMP P190 |
| 6. | Individuazione del fondo marino |
| 7. | Attenuazione del rumore |
| 8. | Attenuazione del rumore nel dominio degli shot - Shot domain denoise |
| 9. | Attenuazione del rumore nel dominio offset comune - Common offset domain denoise |
| 10. | Attenuazione del rumore lineare |
| 11. | Rimozione dell'effetto "fantasma" della sorgente |
| 12. | Rimozione dell'effetto "fantasma" del ricevitore |
| 13. | Eliminazione delle multiple relative al fondo mare - 2D SRME |
| 14. | Attenuazione del rumore dovuto alla riflessione multipla residua - Residual multiple denoise |
| 15. | Analisi di velocità |
| 16. | Migrazione in tempi pre stack - PSTM |
| 17. | Mute e stack |
| 18. | Elaborazioni Post stack |
| 19. | Conversione a fase zero- Designature (Zero-phase) |
| 20. | Filtro variabile in tempi - TVF |
| 21. | Statica al datum del fondo marino - Re-datum to sea surface |
| 22. | SEG-Y (ampiezza reale - true amplitude) |
| 23. | Equalizzazione (AGC) |
| 24. | SEG-Y (equalizzati) |
| 25. | Conversione diretta in profondità |
| 26. | SEG-Y |

4. Controllo della qualità dei Dati

In ogni fase della sequenza di elaborazione, la qualità dei dati è stata verificata secondo le istruzioni di lavoro del controllo qualità, che sono conformi allo standard ISO 9001:2000. Ciò ha comportato l'esame di raccolte di dati grezzi, una raccolta di tracce quasi e pile brute.

Le scelte di velocità per ogni linea sono state controllate utilizzando mappe velocità-tempo e Gruppi a Punto Intermedio commune (Common Mid-Point Gathers) corretti NMO. Le sezioni sono state prodotte dopo ogni fase del flusso di elaborazione e la qualità è stata controllata con attenzione per garantire l'integrità dei dati evitando la rimozione dei dati primari.

Infine, i dati sono stati controllati visualizzando i dati SEG-Y finali e le intestazioni di traccia.

APPENDICE A

Lista Linee ed Elaborati consegnati

A.1 Lista delle linee

Tabella 0.1: Linee processate accettate

| Nome linee | FSP | LSP | lunghezzaFF Km) |
|------------|------|------|-----------------|
| H21E-U01 | 1000 | 3090 | 6.53125 |
| H21E-U01_1 | 1000 | 4821 | 11.9406 |
| H21E-U01_2 | 1000 | 2807 | 5.64687 |
| H21E-U01_3 | 1000 | 4194 | 9.98125 |
| H21E-U01_4 | 1002 | 1496 | 1.54375 |
| H21E-U01_5 | 1002 | 1257 | 0.796875 |
| H21E-U01_6 | 1002 | 1398 | 1.2375 |
| H21E-U34 | 1000 | 1216 | 0.675 |
| H21E-U32_A | 1000 | 1219 | 0.684375 |
| H21S-U49 | 1000 | 5431 | 13.8469 |
| H21S-U27 | 1000 | 5929 | 15.4031 |
| H21S-U33 | 1000 | 5767 | 14.8969 |
| H21S-U23 | 1000 | 5765 | 14.8906 |
| H21S-U21 | 1000 | 5762 | 14.8813 |
| H21S-U11 | 1002 | 5762 | 14.875 |
| H21S-U17 | 1000 | 5759 | 14.8719 |
| H21S-U07 | 1000 | 5758 | 14.8687 |
| H21S-U05 | 1000 | 5759 | 14.8719 |
| H21S-U03 | 1002 | 3898 | 9.05 |
| H21S-U01 | 1000 | 2582 | 4.94375 |
| H21S-U01_1 | 1000 | 4340 | 10.4375 |
| H21S-U15 | 1000 | 5766 | 14.8938 |
| H21S-U13 | 1000 | 5760 | 14.875 |
| H21S-U19 | 1000 | 5761 | 14.8781 |
| H21S-U25 | 1000 | 5761 | 14.8781 |
| H21S-U09 | 1000 | 2484 | 4.6375 |
| H21S-U09_1 | 1000 | 2352 | 4.225 |
| H21S-U09_2 | 1015 | 3144 | 6.65312 |
| H21S-U57 | 1000 | 2926 | 6.01875 |
| H21S-U57_1 | 1000 | 3330 | 7.28125 |
| H21S-U47 | 1000 | 5400 | 13.75 |
| H21S-U55 | 1001 | 5152 | 12.9719 |
| H21S-U43 | 1000 | 5521 | 14.1281 |
| H21S-U51 | 1000 | 5276 | 13.3625 |
| H21S-U35 | 1000 | 4027 | 9.45938 |
| H21S-U35_1 | 1005 | 2408 | 4.38438 |
| H21S-U35_2 | 1000 | 1543 | 1.69687 |
| H21S-U37 | 1000 | 5708 | 14.7125 |
| H21S-U29 | 1000 | 5763 | 14.8844 |
| H21S-U41 | 1000 | 5650 | 14.5312 |
| H21S-U31 | 1000 | 5923 | 15.3844 |
| H21S-U53 | 1000 | 5273 | 13.3531 |
| H21S-U39 | 1113 | 5758 | 14.5156 |
| H21S-U45 | 1131 | 5523 | 13.725 |
| H21S-U67 | 1000 | 3284 | 7.1375 |
| H21S-U12 | 1000 | 2870 | 5.84375 |
| H21S-U08 | 1000 | 3061 | 6.44063 |
| H21S-U10 | 1000 | 2869 | 5.84062 |

| | | | |
|-------------|------|------|----------|
| H21S-U04 | 1000 | 2625 | 5.07812 |
| H21S-U16 | 1000 | 2871 | 5.84688 |
| H21S-U14A | 1000 | 3049 | 6.40312 |
| H21S-U20 | 1000 | 3287 | 7.14687 |
| H21S-U18 | 1000 | 2233 | 3.85313 |
| H21S-U59 | 1000 | 3971 | 9.28438 |
| H21S-U63 | 1000 | 3179 | 6.80937 |
| H21S-U69 | 1000 | 2949 | 6.09062 |
| H21S-U61 | 1000 | 3256 | 7.05 |
| H21S-U73 | 1000 | 2797 | 5.61562 |
| H21S-U24 | 1000 | 3258 | 7.05625 |
| H21S-U75A | 1000 | 2811 | 5.65938 |
| H21S-U65B | 1000 | 3135 | 6.67188 |
| H21S-U18_1 | 1000 | 2181 | 3.69062 |
| H21S-U59_1 | 1023 | 2556 | 4.79063 |
| H21S-U71 | 1000 | 3110 | 6.59375 |
| H21S-U03_1 | 1132 | 5950 | 15.0562 |
| H21S-U45_1 | 1000 | 1216 | 0.675 |
| H21S-U28A | 1000 | 3288 | 7.1500 |
| H21S-U22C | 1000 | 3288 | 7.1500 |
| H21S-U26 | 1000 | 3286 | 7.14375 |
| H21S-U39_1A | 1001 | 1454 | 1.41562 |
| H21S-U02 | 1000 | 2503 | 4.69688 |
| H21S-U06A | 1000 | 2835 | 5.73000 |
| H21E-U12 | 1000 | 2393 | 4.35313 |
| H21E-U03 | 1000 | 2453 | 4.54063 |
| H21E-UX01 | 1000 | 1961 | 3.00312 |
| H21E-UX02 | 1000 | 1913 | 2.85313 |
| H21E-U06_1 | 1000 | 1884 | 2.7625 |
| H21E-U03_1 | 1000 | 2008 | 3.15 |
| H21E-U07 | 1000 | 2494 | 4.66875 |
| H21E-U10 | 1000 | 1598 | 1.86875 |
| H21E-UX03 | 1000 | 1578 | 1.80625 |
| H21E-UX04 | 1000 | 1531 | 1.65937 |
| H21E-UX05 | 1000 | 1531 | 1.65937 |
| H21E-UX06 | 1000 | 1531 | 1.65937 |
| H21L-U01 | 1000 | 1258 | 0.80625 |
| H21L-U11 | 1000 | 1259 | 0.809375 |
| H21E-U07_1 | 1000 | 2057 | 3.30312 |
| H21E-U04_1 | 1000 | 1918 | 2.86875 |
| H21E-U05_1 | 1000 | 2036 | 3.2375 |
| H21E-U02_1 | 1000 | 1945 | 2.95312 |
| H21E-U00_1 | 1000 | 1710 | 2.21875 |
| H21L-U18 | 1000 | 1257 | 0.803125 |
| H21L-U04 | 1000 | 1254 | 0.79375 |
| H21L-U16 | 1000 | 1255 | 0.796875 |
| H21L-U02 | 1000 | 1256 | 0.8 |
| H21L-U09 | 1000 | 1256 | 0.8 |
| H21L-U06 | 1000 | 1256 | 0.8 |
| H21L-U07 | 1000 | 1259 | 0.80938 |
| H21L-U14 | 1000 | 1257 | 0.80313 |
| H21L-U05 | 1000 | 1258 | 0.80625 |
| H21E-U00_1A | 1000 | 1958 | 2.99375 |

| | | | |
|-------------|------|------|----------|
| H21E-U06_2 | 1000 | 4054 | 9.54375 |
| H21E-U03_2 | 1000 | 4108 | 9.7125 |
| H21E-U04_2 | 1000 | 4059 | 9.55937 |
| H21E-U05_2 | 1000 | 4069 | 9.59062 |
| H21E-U00_2 | 1000 | 4068 | 9.5875 |
| H21E-U07_2 | 1000 | 4055 | 9.54688 |
| H21E-U02_2 | 1000 | 4055 | 9.54688 |
| H21E-U03_2A | 1000 | 4109 | 9.71562 |
| H21E-U10A | 1000 | 2410 | 4.40625 |
| H21E-U08 | 1000 | 2400 | 4.375 |
| H21E-U00 | 1000 | 2443 | 4.50938 |
| H21E-U06 | 1000 | 2426 | 4.45625 |
| H21E-U09 | 1000 | 2543 | 4.82188 |
| H21E-U04 | 1000 | 2437 | 4.49062 |
| H21E-U13 | 1000 | 2697 | 5.30312 |
| H21E-U07A | 1000 | 2482 | 4.63125 |
| H21E-U11 | 1000 | 2644 | 5.1375 |
| H21E-U00_1B | 1000 | 1994 | 3.10625 |
| H21E-U04_2A | 1000 | 3982 | 9.31875 |
| H21E-UX09 | 1000 | 1528 | 1.65 |
| H21E-UX07 | 1000 | 1560 | 1.75 |
| H21E-UX08 | 1000 | 1589 | 1.84063 |
| H21E-U04_3 | 1000 | 4020 | 9.4375 |
| H21E-UX11 | 1000 | 1466 | 1.45625 |
| H21E-UX12 | 1000 | 1482 | 1.50625 |
| H21E-UX10 | 1000 | 1482 | 1.50625 |
| H21E-UX14 | 1000 | 1418 | 1.30625 |
| H21E-UX13 | 1000 | 1418 | 1.30625 |
| H21E-U05_3 | 1000 | 4098 | 9.68125 |
| H21E-U00_3 | 1000 | 4019 | 9.43437 |
| H21E-U05_4 | 1000 | 1983 | 3.07188 |
| H21E-U04_4 | 1000 | 1942 | 2.94375 |
| H21E-U03_4 | 1000 | 1996 | 3.1125 |
| H21L-U12 | 1000 | 1257 | 0.803125 |
| H21L-U05A | 1000 | 1258 | 0.80625 |
| H21L-U10 | 1000 | 1256 | 0.8 |
| H21L-U03 | 1000 | 1257 | 0.803125 |
| H21L-U08 | 1000 | 1257 | 0.803125 |
| H21L-U12A | 1000 | 1256 | 0.8 |
| H21E-U02_3 | 1000 | 4031 | 9.47188 |
| H21E-U03_3 | 1000 | 4101 | 9.69063 |
| H21E-U04_3A | 1000 | 4048 | 9.525 |
| H21E-U04_3B | 1000 | 4033 | 9.47812 |
| H21E-U02_4 | 1000 | 1939 | 2.93438 |
| H21E-U00_4 | 1000 | 1995 | 3.10938 |
| H21E-U05 | 1000 | 2465 | 4.57812 |
| H21E-U02 | 1000 | 2438 | 4.49375 |
| H21E-U02_5 | 1000 | 2295 | 4.04688 |
| H21E-U00_5 | 1000 | 2300 | 4.0625 |
| H21E-U04_5 | 1000 | 2334 | 4.16875 |
| H21E-U05_5 | 1000 | 2360 | 4.25 |
| H21E-U03_5 | 1000 | 2326 | 4.14375 |
| H21E-UX15 | 1000 | 1482 | 1.50625 |

| | | | |
|---------------|------|------|--------------------|
| H21E-A06_6 | 1000 | 1704 | 2.2 |
| H21E-U04_6 | 1000 | 1707 | 2.20937 |
| H21E-A02_6 | 1000 | 1710 | 2.21875 |
| H21E-A03_6A | 1000 | 1717 | 2.24062 |
| H21E-U05_6 | 1000 | 1721 | 2.25312 |
| H21E-U04_7 | 1000 | 1651 | 2.03437 |
| H21E-U00_7 | 1000 | 1648 | 2.025 |
| H21E-U05_7 | 1000 | 1638 | 1.99375 |
| H21E-UX16 | 1000 | 1321 | 1.00312 |
| Totale | | | 686303.1 KM |

A.2 Elaborati consegnati

- Linee sismiche Migrate in formato SEG Y
- Velocità RMS di stacking in formato SEG Y
- Rapporto di elaborazione dei dati sismici UHR