**Admiralty Leisure Folio**

**SC5613 Irish Sea - Eastern Part**


---

**L3797/15 WALES — West Coast — Caernarfon Bay — Depths.**

Source: mv Seabeam

**Chart: SC5613-23 WGS84 DATUM**

Insert depth, 14m, and extend 20m contour to NW to enclose 53° 10’ 2N., 4° 35’ 2W.

---

**L3881/15 ENGLAND — West Coast — Walney Wind Farm — Buoyage.**

Source: Trinity House

**Chart: SC5613-14 ETRS89 DATUM**

Delete

<table>
<thead>
<tr>
<th>Designation</th>
<th>Characteristic</th>
<th>Fog Signal</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q(9)15s</td>
<td>VQ</td>
<td></td>
<td>54° 06’ 23N., 3° 39’ 73W.</td>
</tr>
<tr>
<td>VQ(9)10s</td>
<td></td>
<td></td>
<td>54° 04’ 92N., 3° 32’ 15W.</td>
</tr>
<tr>
<td>VQ</td>
<td></td>
<td></td>
<td>54° 03’ 68N., 3° 39’ 68W.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>54° 02’ 23N., 3° 34’ 12W.</td>
<td></td>
</tr>
</tbody>
</table>

---

**Temporary/Preliminary NMs**

**L3895(P)/15 ENGLAND — West Coast — West of Duddon Sands Wind Farm — Works. Submarine power cables. Buoyage. Wind turbines. Lights.**

Source: Trinity House and Tom Watson

1. The construction of the West of Duddon Sands Wind Farm has been completed. There are submarine power cables connecting each turbine to the next and then to the shore near Heysham.
2. The turbines display permanent aids to navigation as follows:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Characteristic</th>
<th>Fog Signal</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>A03 ELY.2.5s2M</td>
<td></td>
<td></td>
<td>53° 59’ 36N., 3° 32’ 44W.</td>
</tr>
<tr>
<td>A06 ELY.5s5M</td>
<td></td>
<td></td>
<td>53° 58’ 51N., 3° 31’ 40W.</td>
</tr>
<tr>
<td>A09 ELY.2.5s2M</td>
<td></td>
<td></td>
<td>53° 57’ 65N., 3° 30’ 36W.</td>
</tr>
<tr>
<td>A12 ELY.5s5M</td>
<td>Horn 30s</td>
<td></td>
<td>53° 56’ 77N., 3° 29’ 28W.</td>
</tr>
<tr>
<td>E14 ELY.5s5M</td>
<td></td>
<td></td>
<td>53° 56’ 71N., 3° 25’ 82W.</td>
</tr>
<tr>
<td>E14 ELY.5s5M</td>
<td></td>
<td></td>
<td>53° 56’ 85N., 3° 25’ 19W.</td>
</tr>
<tr>
<td>H13 ELY.2.5s2M</td>
<td></td>
<td></td>
<td>53° 57’ 45N., 3° 24’ 28W.</td>
</tr>
<tr>
<td>E14 ELY.5s5M</td>
<td>Horn 30s</td>
<td></td>
<td>53° 58’ 05N., 3° 23’ 32W.</td>
</tr>
<tr>
<td>K02 ELY.5s5M</td>
<td></td>
<td></td>
<td>54° 01’ 15N., 3° 26’ 07W.</td>
</tr>
<tr>
<td>K06 ELY.5s5M</td>
<td></td>
<td></td>
<td>53° 50’ 90N., 3° 24’ 76W.</td>
</tr>
</tbody>
</table>
3. The following light buoys around the wind farm have been removed:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Characteristic</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duddon Sands NW</td>
<td>Q(9)15s</td>
<td>54° 00'·70N., 2° 31'·47W.</td>
</tr>
<tr>
<td>Duddon Sands W</td>
<td>VQ(9)10s</td>
<td>54° 00'·15N., 2° 33'·98W.</td>
</tr>
<tr>
<td>Duddon Sands WSW</td>
<td>Q(9)15s</td>
<td>53° 58'·31N., 2° 31'·70W.</td>
</tr>
<tr>
<td>Duddon Sands SE</td>
<td>VQ(6)+LFl.10s</td>
<td>53° 57'·59N., 2° 22'·82W.</td>
</tr>
</tbody>
</table>

4. These changes will be included in New Editions of Charts 1320, 1826 and 2010 to be published in late 2015 (ETRS89 Datum)

Charts affected — SC5613

---

L4069/15 ENGLAND — West Coast — River Lune — Buoy.
Source: Lancaster Port Commission Notice 8/15

Chart: SC5613-12 (panel A, Approaches to Glasson and Heysham) ETRS89 DATUM

Move Q.R No 6, from:

53° 58'·63N., 2° 54'·68W.

to:

53° 58'·67N., 2° 54'·25W.

---

L4070/15 ENGLAND — West Coast — Heysham Harbour and Approaches — Depths.
Source: Heysham Port Ltd

Chart: SC5613-12 (panel A, Approaches to Glasson and Heysham) ETRS89 DATUM

Insert depth, 2a, and extend 5m contour W to enclose

(a) 54° 02'·04N., 2° 55'·65W.

drying height, 2a, enclosed by 0m low water line

(b) 54° 01'·82N., 2° 55'·93W.

drying height, 2a, enclosed by 0m low water line

(c) 54° 01'·73N., 2° 55'·99W.

Delete depth, 1a, close NW of:

(a) above

---

L4207/15 ENGLAND — West Coast — River Ribble — Light.
Source: Preston City Council

Chart: SC5613-7 ETRS89 DATUM

Replace symbol, distance mark (11 miles), with

★ Fl.G.5s (11 miles) 53° 43'·38N., 2° 00'·68W.

★ Fl.G.5s (10 miles), with symbol, distance mark (10 miles)

53° 43'·60N., 2° 59'·30W.
Chart: SC5613·8 (panel A, River Ribble) ETRS89 DATUM
Replace symbol, distance mark (11 miles), with Fl.G.5s (11 miles) 53° 43'·38N., 3° 00'·68W.
Replace Fl.G.5s (10 miles), with symbol, distance mark (10 miles) 53° 43'·60N., 2° 59'·30W.

Chart: SC5613·9 ETRS89 DATUM
Replace symbol, distance mark (11 miles), with Fl.G.5s (11 miles) 53° 43'·38N., 3° 00'·68W.
Replace Fl.G.5s (10 miles), with symbol, distance mark (10 miles) 53° 43'·60N., 2° 59'·30W.

Source: Lancaster Port Commission Notice 9/15

Chart: SC5613·12 (panel A, Approaches to Glasson and Heysham) ETRS89 DATUM
Insert Fl(2)G.6s E5 53° 59'·01N., 2° 52'·43W.
Delete Fl.G.4s No 7 53° 59'·54N., 2° 52'·34W.

L4567/15 ENGLAND — West Coast — River Lune — Buoy.
Source: Lancaster Port Commission Notice 10/15

Chart: SC5613·11 (panel A, Approaches to Fleetwood) ETRS89 DATUM
Move Fl(3)G.10s No 3, from: 53° 58'·35N., 2° 57'·90W.
to: 53° 58'·65N., 2° 57'·79W.

Chart: SC5613·12 (panel A, Approaches to Glasson and Heysham) ETRS89 DATUM
Move Fl(3)G.10s No 3, from: 53° 58'·35N., 2° 57'·90W.
to: 53° 58'·65N., 2° 57'·79W.

L4946/15 WALES — North Coast — River Dee — Depths.
Source: Port of Mostyn Harbour Master

Chart: SC5613·3 ETRS89 DATUM
Insert drying height, $H$, and extend 0m low water line SW to enclose 53° 21'·63N., 3° 17'·19W.
drying height, \( h \), enclosed by 2m drying contour

\[(a) \ 53° 20' -77N. , \ 3° 12' -92W.\]

Delete depth, \( \partial_h \), close SE of:

\[(a) \ above\]

---

**Notices to Mariners - Weekly Edition 43/2015 International Chart Series, England - West Coast, Port of Liverpool.**


**Charts SC5613-5 and SC5613-6 WGS84 DATUM**

The following changes were published in the new edition of chart 3490, which is the source chart for the above folio sheets:

Inclueds significant safety-related information as follows: changes to depths around Pluckington Bank from the latest Mersey Docks and Harbour Company survey. Mariners should therefore navigate with caution on sheets SC5613-5 and SC5613-6 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.

These changes will be included in the next new edition of SC5613.

---

**L5702/15 ENGLAND — West Coast — Approaches to Silloth — Radio reporting points.**

Source: ABP Silloth Notice 4/15

**Chart: SC5613-2 ETRS89 DATUM**

Insert \( \odot \), direction of vessel movement 023° \[a\]

54° 42' -20N. , 3° 34' -00W.

**Chart: SC5613-15 ETRS89 DATUM**

Insert \( \odot \), direction of vessel movement 023° \[a\]

legend, (see Note), close W of:

(a) 54° 42' -20N. , 3° 34' -00W.

Delete \( \odot \), direction of vessel movement 360°, and associated legend, (see Note)

54° 46' -00N. , 3° 30' -76W.

**Chart: SC5613-17 ETRS89 DATUM**

Insert \( \odot \), direction of vessel movement 023° \[a\]

 legend, (see Note), close W of:

(a) 54° 42' -20N. , 3° 34' -00W.

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**Notices to Mariners - Weekly Edition 49/2015 Irish Sea, Fleetwood to Douglas.**

Chart SC5613·14 and SC5613·21 WGS84 DATUM

The following changes were published in the new edition of chart 1320, which is the source chart for the above folio sheet:

*Includes the completed 'West of Duddon Sands' Wind Farm and changes to depths and buoyage. Mariners should therefore navigate with caution on sheets SC5613·14 and SC5613·21 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.*

These changes will be included in the next new edition of SC5613.

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Chart SC5613·10 WGS84 DATUM

The following changes were published in the new edition of chart 2010, which is the source chart for the above folio sheet:

*Includes the completed 'West of Duddon Sands' Wind Farm. Mariners should therefore navigate with caution on sheet SC5613·10 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.*

These changes will be included in the next new edition of SC5613.

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Chart SC5613·1 and SC5613·2 WGS84 DATUM

The following changes were published in the new edition of chart 1826, which is the source chart for the above folio sheet:

*Includes significant safety-related information as follows: Completed 'West of Duddon Sand' and 'Gwynt-y-Mor' Wind Farms and changes to depths and buoyage. Mariners should therefore navigate with caution on sheets SC5613·1 and SC5613·2 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.*

These changes will be included in the next new edition of SC5613.
Source: Peel Ports

Chart: SC5613-6 ETRS89 DATUM

Insert \( \text{Fl}(2)Y.5s \) 53° 20' ·680N., 2° 57' ·850W.
Delete \( \text{F.G} \)

(a) 53° 20' ·710N., 2° 57' ·859W.
(b) 53° 20' ·680N., 2° 57' ·841W.

pontoon, single firm line, joining:  (a) above
(b) above

L6339/15 ENGLAND — West Coast — Fleetwood — Depths.
Source: Associated British Ports

Chart: SC5613·11 (panel A, Approaches to Fleetwood) ETRS89 DATUM

Insert depth, \( \varnothing_a \), enclosed by 2m contour 53° 57' ·52N., 3° 01' ·68W.
drying height, \( \varnothing_b \), enclosed by 0m low water line (a) 53° 57' ·43N., 3° 01' ·66W.
drying height, \( \varnothing_c \), enclosed by 0m low water line (b) 53° 56' ·72N., 3° 01' ·35W.

Delete depth, \( \varnothing_a \), close N of:  (a) above
depth, \( \varnothing_b \), close S of:  (b) above


Chart SC5613·3 WGS84 DATUM

The following changes were published in the new edition of chart 1978, which is the source chart for the above folio sheet:

Includes the completed ‘Gwynt-y-Môr’ Wind Farm and general updating throughout. Mariners should therefore navigate with caution on sheet SC5613·3 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.

These changes will be included in the next new edition of SC5613.

L6622/15 ENGLAND — West Coast — Liverpool Bay — Light.
Source: RWE NPOWER PLC

Note: This update is included in New Edition 1978, published 17th December 2015 and New Edition
1826, published 10th December 2015.

**Chart: SC5613-23 WGS84 DATUM**
Amend light to, Fl.Y.5s18m5M Mast(82) 53° 28’·7N., 3° 30’·5W.

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**L319/16 IRELAND — East Coast — Lambay Deep E — Data collection buoy.**
Source: Marine Institute

**Chart: SC5613-23 WGS84 DATUM**
Amend designation of buoy to, ODAS M2 53° 28’·7N., 5° 25’·4W.

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**L394/16 ISLE OF MAN — Ballacash Bank — Buoy.**
Source: Northern Lighthouse Board Notice 22/15

**Chart: SC5613-2 ETRS89 DATUM**
Insert VQ(9)10s 54° 26’·50N., 4° 16’·70W.

**Chart: SC5613-21 (panel A, Isle of Man East Coast) ETRS89 DATUM**
Insert VQ(9)10s 54° 26’·50N., 4° 16’·70W.

**Chart: SC5613-23 WGS84 DATUM**
Insert VQ(9)10s 54° 26’·5N., 4° 16’·6W.

---

**L1199/16 ENGLAND — North West Coast — Robin Rigg Wind Farm — Obstruction. Wind turbines. Light. Buoy.**
Source: Robin Rigg Offshore Windfarm

**Chart: SC5613-15 ETRS89 DATUM**
Insert symbol, wind turbine, AeroF.R Fl.Y.5s5M 54° 46’·20N., 3° 41’·60W.
Replace symbol, wind turbine, AeroF.R Fl.Y.5s5M, with Obstn 54° 46’·29N., 3° 42’·03W.

**Chart: SC5613-17 ETRS89 DATUM**
Insert symbol, wind turbine, AeroF.R Fl.Y.5s5M 54° 46’·20N., 3° 41’·60W.
Replace symbol, wind turbine, AeroF.R Fl.Y.5s5M, with Obstn 54° 46’·29N., 3° 42’·03W.

Chart SC5613·2 WGS84 DATUM
The following changes were published in the new edition of chart 1411, which is the source chart for the above folio sheet:

Includes changes to depths from the latest British and Irish Government surveys. Mariners should therefore navigate with caution on sheet SC5613·2 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.

These changes will be included in the next new edition of SC5613.


Charts SC5613·11 and SC5613·12 WGS84 DATUM
The following changes were published in the new edition of chart 1552, which is the source chart for the above folio sheets:

Includes changes to depths from the latest Associated British Ports, Peel Ports and Commercial surveys. Mariners should therefore navigate with caution on sheets SC5613·11 and SC5613·12 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.

These changes will be included in the next new edition of SC5613.

L1621/16 SCOTLAND — South West Coast — Luce Bay — Wrecks.
Source: UKHO

Chart: SC5613·2 ETRS89 DATUM
Insert \(Wk\) 54° 45'·91N., 4° 48'·89W.

Chart: SC5613·19 (panel A, Wigtown Bay to Luce Bay) ETRS89 DATUM
Insert \(Wk\) 54° 45'·91N., 4° 48'·89W.

Chart: SC5613·23 WGS84 DATUM
Insert \(Wk\) \(a\) 54° 45'·9N., 4° 48'·9W.
Temporary/Preliminary NMs


Source: Tom Watson

1. Work has now commenced on the extension to Burbo Wind Farm. The main wind farm array will be marked by seven buoys as follows:

<table>
<thead>
<tr>
<th>Buoy Type</th>
<th>Designation</th>
<th>Character</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Cardinal</td>
<td>NM1</td>
<td>Q</td>
<td>53° 30' 32&quot; N., 3° 22' 76&quot; W.</td>
</tr>
<tr>
<td>Special</td>
<td>NM2</td>
<td>Fl.Y.2.5s</td>
<td>53° 30' 36&quot; N., 3° 18' 25&quot; W.</td>
</tr>
<tr>
<td>Special</td>
<td>NM3</td>
<td>Fl.Y.5s</td>
<td>53° 30' 38&quot; N., 3° 14' 07&quot; W.</td>
</tr>
<tr>
<td>South Cardinal</td>
<td>NM4</td>
<td>Q(6)+LFl.15s</td>
<td>53° 27' 62&quot; N., 3° 14' 50&quot; W.</td>
</tr>
<tr>
<td>Special</td>
<td>NM5</td>
<td>Fl.Y.2.5s</td>
<td>53° 27' 61&quot; N., 3° 15' 15&quot; W.</td>
</tr>
<tr>
<td>South Cardinal</td>
<td>NM6</td>
<td>VQ(6)+LFl.15s</td>
<td>53° 27' 60&quot; N., 3° 18' 77&quot; W.</td>
</tr>
<tr>
<td>Special</td>
<td>NM7</td>
<td>Fl.Y.2.5s</td>
<td>53° 28' 07&quot; N., 3° 21' 00&quot; W.</td>
</tr>
</tbody>
</table>

2. All vessels should navigate with caution in the area. A safety zone of 50 metres becomes operational around each turbine as it is being installed, with a safety zone of 500 metres around the installation vessel. Cable laying to shore will also be conducted.

3. Two yellow spherical wave recorder light buoys, Fl(5)Y.20s, have been deployed in the following positions:

- 53° 30' 11" N., 3° 21' 69" W.
- 53° 29' 10" N., 3° 15' 53" W.

4. Charts will be updated when full details are available.

5. For latest information see Dong Energy Notice to Mariners. (ETRS89 Datum)

Charts affected — SC5613

L2701/16 ENGLAND — West Coast — Liverpool — New Brighton NE — Buoy. Source: National Oceanography Centre

Chart: SC5613-4 (panel B, Crosby Channel to River Mersey) ETRS89 DATUM

Delete Fl(5)Y.20s 53° 26' 55" N., 3° 02' 11" W.

Chart: SC5613-5 ETRS89 DATUM

Delete Fl(5)Y.20s 53° 26' 55.4" N., 3° 02' 11.1" W.
L3189/16 ENGLAND — West Coast — Liverpool Bay — Depths. 
Source: Lafarge Tarmac Marine Ltd.

Chart: SC5613-3 ETRS89 DATUM
Insert depth, $10_i$ 
Delete depth, $12_i$, close SE of: 

(a) 53° 26’.82N. , 3° 24’.74W.

L3550/16 ENGLAND — West Coast — Heysham — Depths. Drying height. 
Source: Peel Ports Group Ltd.

Chart: SC5613-12 (panel A, Approaches to Glasson and Heysham) ETRS89 DATUM
Insert depth, 4 
depth, 2, enclosed by 2m contour 
drying height, $0_h$, enclosed by 0m low water line 

(a) 54° 01’.972N. , 2° 55’.666W. 
54° 01’.931N. , 2° 55’.853W. 
(b) 54° 01’.883N. , 2° 55’.887W.

Delete depth, 4, close NW of: 
depth, $0_h$, close S of: 

(a) above 
(b) above


Chart SC5613-4 WGS84 DATUM
The following changes were published in the new edition of chart 1951, which is the source chart for the above folio sheet:

includes the new Liverpool 2 development and depths from the latest Mersey Docks and Harbour Company Surveys. Mariners should therefore navigate with caution on sheet SC5613-4 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.

These changes will be included in the next new edition of SC5613.


Chart SC5613-3 WGS84 DATUM
The following changes were published in the new edition of chart 1978, which is the source chart for the above folio sheet:

*Includes significant safety-related information as follows: Burbo Bank Wind Farm extension, associated buoyage and submarine power cables. Mariners should therefore navigate with caution on sheet SC5613·3 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.*

These changes will be included in the next new edition of SC5613.

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**Charts SC5613·5 and SC5613·6 WGS84 DATUM**

The following changes were published in the new edition of chart 3490, which is the source chart for the above folio sheets:

*Includes the new Liverpool 2 development and depths from the latest Mersey Docks and Harbour Company Surveys. Mariners should therefore navigate with caution on sheets SC5613·5 and SC5613·6 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.*

These changes will be included in the next new edition of SC5613.

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**L3755/16 ENGLAND — West Coast — Liverpool Bay — Rhyl NE — Burbo Wind Farm W — Submarine power cable. Legends. Buoyage. Wind farm. Note.**

Source: UKHO

**Chart: SC5613·1 ETRS89 DATUM**

Insert limit of wind farm, pecked line, joining:

(a) $53^\circ 28' \cdot 45N.$, $3^\circ 11' \cdot 14W.$

(existing wind farm limit)

(b) $53^\circ 27' \cdot 62N.$, $3^\circ 11' \cdot 59W.$

(c) $53^\circ 27' \cdot 60N.$, $3^\circ 18' \cdot 77W.$

(d) $53^\circ 30' \cdot 32N.$, $3^\circ 22' \cdot 76W.$

(e) $53^\circ 30' \cdot 38N.$, $3^\circ 14' \cdot 07W.$

(f) $53^\circ 30' \cdot 14N.$, $3^\circ 13' \cdot 17W.$

(existing wind farm limit)

legend, Burbo Bank Wind Farm Extension Under Construction (2016-2017), within:

(a)–(f) above

submarine power cable, $\sim\sim\sim\sim\sim\sim\sim$. joining:

(g) $53^\circ 27' \cdot 78N.$, $3^\circ 19' \cdot 06W.$

(wind farm limit)
L4072/16 WALES — North Coast — Liverpool Bay — Buoy.
Source: Trinity House

Chart: SC5613-1 ETRS89 DATUM
Delete

VQ North Constable 53° 23' - 72N. , 3° 41' - 41W.

L4102/16 WALES — North Coast — Rhyl Flats Wind Farm — Buoyage.
Source: Trinity House

Chart: SC5613-3 ETRS89 DATUM
Delete

\( Q \) RFWF1 53° 23' - 10N. , 3° 36' - 25W.

\( Fl.G.2-5s \) RFWF2 53° 23' - 76N. , 3° 39' - 10W.

L4261/16 ENGLAND — West Coast — Approaches to Barrow Harbour — Lightning Knoll E — Buoy.
Source: ABP Barrow Notice 37/16

Chart: SC5613-10 ETRS89 DATUM
Amend

SEA 3 light-buoy to, Fl.G.2-5s 54° 00' -56N. , 3° 12' - 91W.

L4832/16 ENGLAND — West Coast — Eastham Sands — Obstructions. Dolphins.
Source: Peel Ports

Chart: SC5613-6 ETRS89 DATUM
Insert

\( Obstn, \) drying height 5

53° 19' - 402N. , 2° 56' - 949W.

Replace

\( , \) with \( Obstn, \) drying height 3

53° 19' - 582N. , 2° 57' - 000W.

\( , \) with \( Obstn, \) drying height 4

53° 19' - 546N. , 2° 56' - 972W.
L4897/16 ENGLAND — West Coast — Glasson — Buoy.
Source: Lancaster Port Commission Notice 26/16

Chart: SC5613-12 (panel A, Approaches to Glasson and Heysham) ETRS89 DATUM
Move Fl.R.5s No 18, from: 54° 00'·17N., 2° 51'·15W.
to: 54° 00'·14N., 2° 51'·13W.

L4982/16 WALES — North Coast — Inner Passage — Buoyage.
Source: Port of Mostyn Notice 26/16

Chart: SC5613-3 ETRS89 DATUM
Replace Q.G Prestatyn, with Q Prestatyn 53° 21'·37N., 3° 29'·00W.

L5023/16 ENGLAND — West Coast — Eastham Locks — NM Block. Light.
Source: Peel Ports Notice 30/16

Chart: SC5613-6 ETRS89 DATUM
Insert the accompanying block, centred on: 53° 19'·696N., 2° 57'·162W.
Source: Peel Ports Notice 31/16

Chart: SC5613-5 ETRS89 DATUM
Insert ★ 3F.R  
(a) 53° 24'·314N., 2° 59'·923W.
fog signal, Horn(3+3)15s, at light 
(a) above
Delete symbol, fog signal, Horn(3+3)15s, close SW of: 
(a) above

L5456/16  ENGLAND — West Coast — River Mersey — Light.
Source: Peel Ports Notice 27/16

Chart: SC5613-5 ETRS89 DATUM
Amend light to, 2F.G & F.Y Bell(4)15s  53° 23'·762N., 3° 00'·488W.

Source: Peel Ports Notice 36/16
Chart: SC5613-5 ETRS89 DATUM
Delete
★ F.RW.5m and associated sectors
★ Fl(2)G.6s

53° 24'·098N., 3° 00'·774W.
53° 22'·975N., 3° 00'·308W.

Chart: SC5613-6 ETRS89 DATUM
Move

Fl.R.3s E2, from:
53° 21'·337N., 2° 57'·930W.
to:
53° 21'·36N., 2° 57'·84W.

Fl.R.3s E4, from:
53° 20'·847N., 2° 57'·738W.
to:
53° 20'·86N., 2° 57'·64W.

Delete
★ Fl(2)G.6s
53° 22'·975N., 3° 00'·308W.

L5966/16 ENGLAND — West Coast — Liverpool Bay, Irish Sea E and Approaches to Belfast Lough — Submarine power cable.
Source: AWJ Marine

Note: Charts 1320, 1753, 1826 and 1981 are to be deleted from the list of charts affected by Notice 2080(P)/14.

Chart: SC5613-1 ETRS89 DATUM
Insert
submarine power cable, ................joining:
53° 31'·59N., 3° 33'·61W.
(existing cable)
53° 31'·50N., 3° 35'·30W.
53° 35'·70N., 3° 39'·71W.
53° 36'·70N., 3° 43'·67W.
53° 40'·91N., 3° 48'·43W.
53° 46'·53N., 3° 48'·91W.
53° 49'·21N., 3° 56'·58W.
53° 50'·30N., 4° 04'·42W.
(W border)

Chart: SC5613-7 ETRS89 DATUM
Insert
submarine power cable, ................joining:
53° 31'·02N., 3° 24'·13W
(S border)
53° 31'·29N., 3° 24'·30W.
53° 32'·15N., 3° 29'·64W.
L6088/16 Ireland — East Coast — Portavogie — Automatic Identification System.
Source: UKHO

Chart: SC5613-23 WGS84 DATUM
Delete symbol, Automatic Identification System, AIS 54° 27' 3N. , 5° 26' 4W.

L6637/16 England — West Coast — River Mersey — Liverpool Landing Stage — Fog signal.
Source: Peel Ports Notice 46/16

Chart: SC5613-5 ETRS89 DATUM
Insert fog signal, Horn(1)10s, at light 53° 24' 280N. , 2° 59' 910W.

L253/17 Wales — North Coast — Liverpool Bay — Obstruction.
Source: CEMEX UK Marine Ltd

Chart: SC5613-1 ETRS89 DATUM
Insert 53° 26' 94N. , 3° 24' 69W.

Chart: SC5613-3 ETRS89 DATUM
Insert 53° 26' 94N. , 3° 24' 69W.

Source: Peel Ports Notice 48/16

Chart: SC5613-4 (Panel B, Crosby Channel to River Mersey) ETRS89 DATUM
Insert  53° 27' 31N. , 3° 01' 68W.

Move  53° 27' 00N. , 3° 01' 13W.

Move  Q.R C22, from: 53° 27' 58N. , 3° 02' 34W.
Chart: SC5613-5 ETRS89 DATUM

Insert ⭐ 2F.R(vert) 53° 27' 31N., 3° 01' 68W.

53° 27' 002N., 3° 01' 135W.

Temporary/Preliminary NMs
L495(P)/17- ENGLAND — West Coast — Approaches to Morecambe Bay — Walney Offshore Wind Farm Extension — Works. Wind farm. Submarine cables.

Source: Dong Energy

1. Work has commenced on the construction of Walney Offshore Wind Farm extension. The main wind farm work area is to be marked by the following light-buoys:

<table>
<thead>
<tr>
<th>Buoy Type</th>
<th>Character</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Cardinal</td>
<td>VQ</td>
<td>54° 09' 710N., 3° 49' 576W.</td>
</tr>
<tr>
<td>Special Mark</td>
<td>ELY.5s</td>
<td>54° 08' 800N., 3° 45' 371W.</td>
</tr>
<tr>
<td>North Cardinal</td>
<td>O</td>
<td>54° 07' 880N., 3° 41' 169W.</td>
</tr>
<tr>
<td>South Cardinal</td>
<td>VQ(6)+LFL.10s</td>
<td>54° 00' 205N., 3° 34' 661W.</td>
</tr>
<tr>
<td>Special Mark</td>
<td>ELY.5s</td>
<td>54° 01' 812N., 3° 30' 824W.</td>
</tr>
<tr>
<td>South Cardinal</td>
<td>Q(6)+LFL.15s</td>
<td>54° 03' 419N., 3° 44' 990W.</td>
</tr>
<tr>
<td>Special Mark</td>
<td>ELY.5s</td>
<td>54° 05' 026N., 3° 50' 160W.</td>
</tr>
<tr>
<td>West Cardinal</td>
<td>Q(9)15s</td>
<td>54° 06' 632N., 3° 55' 365W.</td>
</tr>
<tr>
<td>West Cardinal</td>
<td>VQ(4)+10s</td>
<td>54° 08' 292N., 3° 55' 365W.</td>
</tr>
</tbody>
</table>

2. All vessels should navigate with caution in the area. A safety zone of 500 metres becomes operational around the turbines under construction. Cable laying to shore will also be concluded.

3. These changes will be included in New Editions of Charts 1320 and 1826 to be published mid 2017.

4. For the latest information see Dong Energy Notice to Mariners (ETRS89 DATUM)

Charts affected — SC5613


Chart SC5613-23 WGS84 DATUM

The following changes were published in the new edition of chart 1121, which is the source chart for the above folio sheet.
Includes general updates throughout. Mariners should therefore navigate with caution on sheet SC5613·23 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.

These changes will be included in the next new edition of SC5613.

L759/17 ENGLAND — West Coast — Liverpool Bay — Queens Channel W — Buoyage.
Source: CEFAS

Chart: SC5613-3 ETRS89 DATUM
Amend light-buoy to, Fl(5)Y.20s (2 buoys) PA 53° 31' ·98N. , 3° 21' ·79W.
Delete grey spherical buoy, Fl(5)Y.20s 53° 32' ·00N. , 3° 21' ·19W.

Chart: SC5613-7 ETRS89 DATUM
Amend light-buoy to, Fl(5)Y.20s (2 buoys) PA 53° 31' ·98N. , 3° 21' ·79W.
Delete grey spherical buoy, Fl(5)Y.20s 53° 32' ·00N. , 3° 21' ·19W.

L959/17 ENGLAND — West Coast — Rhyl Gas Field NW — Buoyage.
Source: DONG Energy

Chart: SC5613-1 ETRS89 DATUM
Insert Fl(5)Y.20s 54° 06' ·57N. , 3° 53' ·26W.
54° 05' ·60N. , 3° 44' ·40W.

L1004/17 ENGLAND — West Coast — River Mersey — Buoy.
Source: UKHO
Note: Certain Copies Only

Chart: SC5613-4 (Panel B, Crosby Channel to River Mersey) ETRS89 DATUM
Delete Fl(3)Y.2s 53° 26' ·97N. , 3° 01' ·31W.

Chart: SC5613-5 ETRS89 DATUM
Delete Fl(3)Y.2s 53° 26' ·971N. , 3° 01' ·310W.
L1007(T)/17 ISLE OF MAN — Maughold Head — Light.
Source: Northern Lighthouse Board Notice 11/16

1. The range of the light at Maughold Head, in position 54° 17´.73N., 4° 18´.57W., has been temporarily reduced to 12 miles (ETRS89 DATUM).

Charts affected — SC5613

Temporary/Preliminary NMs
L1012(T)/17 ISLE OF MAN — Douglas Head — Light.
Source: Northern Lighthouse Board Notice 4/17

1. The range of the light at Douglas Head, in position 54° 08´.599 N., 4° 27´.947 W., has been temporarily reduced to 12 miles (ETRS89 DATUM).

Charts affected — SC5609, SC5613 and SC5621

L1557/17 ENGLAND — West Coast — Approaches to Heysham — Buoyage.
Source: DONG Energy

Note: This update is included in New Editions 1320 and 1826, published 13 April 2017.

Chart: SC5613-9 ETRS89 DATUM
Insert \( \text{Fl(5)Y.20s} \)

53° 54´.24N., 3° 19´.00W.

Chart: SC5613-10 ETRS89 DATUM
Insert \( \text{Fl(5)Y.20s} \)

53° 54´.24N., 3° 19´.00W.

53° 59´.20N., 3° 01´.37W.

Chart: SC5613-11 (Panel A, Approaches to Fleetwood) ETRS89 DATUM
Insert \( \text{Fl(5)Y.20s} \)

53° 59´.20N., 3° 01´.37W.

Chart: SC5613-12 (Panel A, Approaches to Glasson and Heysham) ETRS89 DATUM
Insert \( \text{Fl(5)Y.20s} \)

53° 59´.20N., 3° 01´.37W.


Charts SC5613-14 and SC5613-21 WGS84 DATUM
The following changes were published in the new edition of chart 1320, which is the source chart for the above folio sheets:

*Includes significant safety-related information as follows: changes to depths, submarine cables and Walney Wind Farm Extension. Mariners should therefore navigate with caution on sheets SC5613·14 and SC5613·21 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.*

These changes will be included in the next new edition of SC5613.

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— **Chart 1826 — New Edition Announcement.**

**Charts SC5613·1 and SC5613·2 WGS84 DATUM**

The following changes were published in the new edition of chart 1826, which is the source chart for the above folio sheets:

*Includes significant safety-related information as follows: Burbo Bank Wind Farm completion, Walney Wind Farm Extension and associated cables. Mariners should therefore navigate with caution on sheets SC5613·1 and SC5613·2 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.*

These changes will be included in the next new edition of SC5613.

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**Temporary/Preliminary NMs**

**L2092(T)/17 ISLE OF MAN — Approaches to Port Erin — Bay Fine — Buoy.**
Source: Isle of Man Government Notice 7/17

1. A scientific monitoring light buoy, *Iso.Y.2s*, has been established until October 2017, in position 54° 04' .78N., 4° 47' .44W.
2. Mariners are advised to navigate with caution in the area.(ETRS89 DATUM)

**Charts affected – SC5613**

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**L2215/17 ENGLAND — West Coast — Liverpool Bay — Burbo Wind Farm Extension — Buoy.**
Source: Tom Watson

**Chart: SC5613·3 ETRS89 DATUM**
L2337/17 ENGLAND — West Coast — Fleetwood — Buoy.
Source: Trinity House

Chart: SC5613-10 ETRS89 DATUM
Move Fl(5)Y.20s, from: 53° 29’·10N., 3° 15’·53W.
to: 53° 56’·97N., 3° 04’·40W.

L3078/17 ISLE OF MAN — Douglas — Light.
Source: Isle of Man Government

Chart: SC5613-22 (Panel A, Isle Of Man Douglas) ETRS89 DATUM
Delete sector at light as follows: 54° 08’·845N., 4° 28’·076W.
G 225°-327° (102°)


Charts SC5613-17, SC5613-19, SC5613-20 and SC5613-21 WGS84 DATUM
The following changes were published in the new edition of chart 2094, which is the source chart for the above folio sheets:

Includes changes to depths from the latest British Government surveys. Mariners should therefore navigate with caution on sheets SC5613-17, SC5613-19, SC5613-20 and SC5613-21 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.

These changes will be included in the next new edition of SC5613.

Temporary/Preliminary NMs
L2080(P)/14 IRISH SEA — England — Scotland — Liverpool Bay to Ardnell Bay — Submarine power cable.
Source: AWJ Marine

1. Work has begun laying the Western HVDC Link power cable from Liverpool Bay (England) to Ardnell Bay (Scotland), joining the following approximate positions (WGS84 Datum):
2. Vessels are requested not to anchor or trawl in the vicinity of the cable route.

3. Charts will be updated when the works are complete.

Charts affected – SC5609, SC5610, SC5611, SC5612, SC5613 and SC5621

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**Chart SC5613-4 WGS84 DATUM**

The following changes were published in the new edition of chart 1951, which is the source chart for the above folio sheet:
Includes significant safety-related information as follows: changes to wind turbines, submarine cables and navigational aids within Burbo Bank Wind Farm Extension and changes to depths from the latest Mersey Docks and Harbour Company surveys. Mariners should therefore navigate with caution on sheet SC5613-4 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.

These changes will be included in the next new edition of SC5613.

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**Notices to Mariners - Weekly Edition 39/2017 England and Wales, Great Ormes Head to Liverpool.**

**Chart SC5613-3 WGS84 DATUM**
The following changes were published in the new edition of chart 1978, which is the source chart for the above folio sheet:

Includes significant safety-related information as follows: changes to buoyage, wind turbines and aids to navigation within Burbo Bank Wind Farm. Mariners should therefore navigate with caution on sheet SC5613-3 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.

These changes will be included in the next new edition of SC5613.

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**Charts SC5613-5 and SC5613-6 WGS84 DATUM**
The following changes were published in the new edition of chart 3490, which is the source chart for the above folio sheets:

Includes changes to depths from the latest Mersey Docks and Harbour Company surveys. Mariners should therefore navigate with caution on sheets SC5613-5 and SC5613-6 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.

These changes will be included in the next new edition of SC5613.
L5004/17 ENGLAND — West Coast — Fleetwood — River Wyre — Fog signal.  
Source: Associated British Ports and Trinity House

Chart: SC5613-10 ETRS89 DATUM
Delete fog signal, Horn(1)15s, at light-beacon 53° 56’·24N., 3° 01’·06W.

Chart: SC5613-11 (Panel A, Approaches to Fleetwood) ETRS89 DATUM
Delete fog signal, Horn(1)15s, at light-beacon 53° 56’·24N., 3° 01’·06W.

L5175/17 ISLE OF MAN — Peel N — Depths.  
Source: Isle of Man Government

Chart: SC5613-20 (Panel A, Isle Of Man West Coast) ETRS89 DATUM
Insert depth, 3m, and extend 5m contour N to enclose (a) 54° 13’·688N., 4° 41’·805W.
   depth, 4m, and extend 5m contour NE to enclose 54° 13’·639N., 4° 41’·775W.
Delete depth, 4m, close SW of: (a) above

Chart: SC5613-22 (Panel E, Isle Of Man Peel) ETRS89 DATUM
Insert depth, 3m, and extend 5m contour N to enclose (a) 54° 13’·688N., 4° 41’·805W.
   depth, 4m, and extend 5m contour NE to enclose 54° 13’·639N., 4° 41’·775W.
Delete depth, 4m, close SW of: (a) above

Temporary/Preliminary NMs
L5159(P)/17 SCOTLAND — South West Coast — Approaches to Kirkcudbright — Drying heights.  
Source: Dumfries & Galloway Council

1. Surveys have shown that depths and drying heights less than charted exist in the approaches to Kirkcudbright, the most significant are as follows:

<table>
<thead>
<tr>
<th>Drying height</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1·0m</td>
<td>54° 47’·846N., 4° 03’·721W.</td>
</tr>
<tr>
<td>0·6m</td>
<td>54° 47’·961N., 4° 03’·832W.</td>
</tr>
<tr>
<td>1·1m</td>
<td>54° 48’·142N., 4° 04’·120W.</td>
</tr>
<tr>
<td>0·6m</td>
<td>54° 48’·341N., 4° 04’·376W.</td>
</tr>
<tr>
<td>0·7m</td>
<td>54° 48’·659N., 4° 04’·560W.</td>
</tr>
<tr>
<td>0·9m</td>
<td>54° 48’·711N., 4° 04’·651W.</td>
</tr>
<tr>
<td>0·9m</td>
<td>54° 48’·940N., 4° 04’·657W.</td>
</tr>
<tr>
<td>0·5m</td>
<td>54° 49’·152N., 4° 04’·760W.</td>
</tr>
<tr>
<td>0·0m</td>
<td>54° 49’·277N., 4° 04’·681W.</td>
</tr>
<tr>
<td>0·7m</td>
<td>54° 49’·384N., 4° 04’·429W.</td>
</tr>
<tr>
<td>1·0m</td>
<td>54° 49’·457N., 4° 04’·297W.</td>
</tr>
</tbody>
</table>
Mariners are advised to navigate with caution in the area.

These changes will be included in the next New Edition of Chart 1344 (ETRS89 DATUM)

Chart affected – SC5613


Chart SC5613-23 WGS84 DATUM
The following changes were published in the new edition of chart 1121, which is the source chart for the above folio sheet:

*Includes significant safety-related information as follows: new submarine cable and territorial sea limits. Mariners should therefore navigate with caution on sheet SC5613-23 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.*

These changes will be included in the next new edition of SC5613.


Chart SC5613-2 WGS84 DATUM
The following changes were published in the new edition of chart 1411, which is the source chart for the above folio sheet:

*Includes significant safety-related information as follows: new submarine cable and territorial sea limits. Mariners should therefore navigate with caution on sheet SC5613-2 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.*

These changes will be included in the next new edition of SC5613.

L205/18 ENGLAND — West Coast — Liverpool Landing Stage — Fog signal.
Source: Peel Ports
**Chart: SC5613-5 ETRS89 DATUM**
Delete fog signal, Horn(3+3)15s, at light 53° 24'·314N., 2° 59'·923W.

Temporary/Preliminary NM

**L.222(T)/18 WALES — North Coast — West Hoyle Spit — Buoyage.**
Source: Port of Mostyn Notice 28/17

1. Yellow special purpose light-buoys, \(Fl.Y.4s\), marking a section of exposed gas pipeline, have been temporarily established in the following positions:
   
   - 53° 22'·26N., 3° 22'·07W.
   - 53° 22'·16N., 3° 22'·22W.

2. Mariners are advised to navigate with caution in the area.(ETRS89 DATUM)

**Charts affected – SC5613**

**L.295/18 ENGLAND — West Coast — Jordans Spit S and NE, and Blackpool W — Buoyage.**
Source: Fugro

**Chart: SC5613-1 ETRS89 DATUM**
Insert buoy out of position, \(\mathcal{F}l(5)Y.20s\) 53° 47'·69N., 3° 08'·72W.

Delete \(\mathcal{F}l(5)Y.20s\) 53° 32'·31N., 3° 13'·71W.

**Chart: SC5613-3 ETRS89 DATUM**
Insert \(\mathcal{F}l(5)Y.20s\) 53° 32'·31N., 3° 13'·71W.

**Chart: SC5613-7 ETRS89 DATUM**
Insert \(\mathcal{F}l(5)Y.20s\) 53° 32'·31N., 3° 13'·71W.
Delete \(\mathcal{F}l(5)Y.20s\) 53° 34'·62N., 3° 12'·39W.

**Chart: SC5613-8 (Panel A, River Ribble) ETRS89 DATUM**
Insert \(\mathcal{F}l(5)Y.20s\) 53° 47'·69N., 3° 08'·27W.
Delete \(\mathcal{F}l(5)Y.20s\) 53° 49'·00N., 3° 07'·58W.

**Chart: SC5613-9 ETRS89 DATUM**
L366/18 ENGLAND — West Coast — Lightning Knoll SW — Buoy.
Source: ABP Barrow Notice 40/17

Chart: SC5613·10 ETRS89 DATUM
Amend  

L386/18 ENGLAND — West Coast — Far Sand Bank — Drying height. Depth.
Source: ABP Silloth

Chart: SC5613·8 (Panel C, Approaches to Silloth) ETRS89 DATUM
Insert drying height, \( O \), enclosed by 0m low water line  \( (a) \) 54° 48'·59N. , 3° 30'·46W.
Delete depth, \( Z \), close NW of:  \( (a) \) above

L851/18 ENGLAND — North West Coast — Fleetwood — Drying heights.
Source: Environment Agency

Note: stranded wreck drying height remains unchanged.

Chart: SC5613·9 ETRS89 DATUM
Replace drying height, \( O \), with drying height, \( Z \) 53° 52'·09N. , 3° 03'·57W.

Chart: SC5613·10 ETRS89 DATUM
Insert drying height, \( T \)  \( (a) \) 53° 56'·77N. , 3° 02'·98W.
drying height, \( Z \) 53° 56'·46N. , 3° 02'·60W.
drying height, \( E \) 53° 56'·05N. , 3° 02'·33W.
Delete drying height, \( Z \), close SW of:  \( (a) \) above

Chart: SC5613·11 (Panel A, Approaches to Fleetwood) ETRS89 DATUM
Insert drying height, \( Z \) 53° 56'·05N. , 3° 02'·33W.
drying height, \( D \) 53° 55'·14N. , 3° 00'·53W.
Replace drying height, \( D \), with drying height, \( Z \) 53° 55'·90N. , 3° 00'·01W.
drying height, \( Z \), with drying height, \( Z \) 53° 54'·99N. , 3° 00'·30W.

Chart: SC5613·11 (Panel B, River Wyre Fleetwood to Skippool) ETRS89 DATUM
Insert drying height, $6_5$

53° 56'·05N., 3° 02'·33W.

Replace drying height, $6_5$, with drying height, $Z_5$_

53° 55'·90N., 3° 00'·01W.

drying height, $Z_5$, with drying height, $6_5$

53° 54'·99N., 3° 00'·30W.

drying height, $6_5$, with drying height, $Z_5$, and extend 2m drying contour W to enclose

53° 54'·56N., 3° 00'·25W.

Chart: SC5613-11 (Panel C, Fleetwood) ETRS89 DATUM

Insert drying height, $6_5$

53° 55'·14N., 3° 00'·53W.

Replace drying height, $6_5$, with drying height, $Z_5$

53° 55'·90N., 3° 00'·01W.

drying height, $Z_5$, with drying height, $6_5$

53° 54'·99N., 3° 00'·30W.

L1269/18 WALES — West Coast — Caernarfon Bay — Buoy.
Source: Bangor University

Chart: SC5613-23 ETRS89 DATUM

Delete $\wedge F(5)Y.20s$

53° 13'·0N., 4° 43'·4W.

L1324/18 IRISH SEA — Calder Gas Field SW — Buoy.
Source: UKHO

Chart: SC5613-1 ETRS89 DATUM

Delete $\wedge Q.Y (2 buoys)$

53° 45'·09N., 4° 00'·09W.

L1684/18 IRELAND — East Coast — Copeland Island NE — Light.
Source: Commissioners of Irish Lights

Chart: SC5613-23 ETRS89 DATUM

Amend light to, FFl(4)30s18M

54° 41'·9N., 5° 30'·6W.

L1750/18 WALES — North Coast — Constable Bank — Buoy.
Source: Bangor University

Chart: SC5613-1 ETRS89 DATUM

Insert $\wedge F(5)Y.20s$

53° 22'·51N., 3° 43'·56W.
Temporary/Preliminary NMs
L2133(T)/18 SCOTLAND — West Coast — Mull of Galloway SW — Buoy.
Source: Seajacks Scylla

1. A special light-buoy, Fl(2+1)Y.10s, has been reported adrift in approximate position 54° 36’ ·70N., 4° 58’ ·00W. (WGS84 DATUM)

Charts affected – SC5610, SC5612 and SC5613

Temporary/Preliminary NMs
L2204/18 ENGLAND — West Coast — Shell Flat — Lights.
Source: Ørsted

Chart: SC5613-1 ETRS89 DATUM
Delete
★ Fl.Y.2 5s11m &2F.R(vert) Mast(81) 53° 52’ ·38N. , 3° 12’ ·17W.
★ Fl.Y.2 5s11m &2F.R(vert) Mast(51) 53° 51’ ·61N. , 3° 17’ ·75W.

Chart: SC5613-9 ETRS89 DATUM
Delete
★ Fl.Y.2 5s11m &2F.R(vert) Mast(81) 53° 52’ ·42N. , 3° 12’ ·13W.
★ Fl.Y.2 5s11m &2F.R(vert) Mast(51) 53° 51’ ·60N. , 3° 17’ ·68W.

Chart: SC5613-23 ETRS89 DATUM
Delete
★ Fl.Y.&2F.R(vert) Mast(81) 53° 52’ ·3N. , 3° 12’ ·2W.
★ Fl.Y.&2F.R(vert) Mast(51) 53° 51’ ·6N. , 3° 17’ ·5W.

Temporary/Preliminary NMs
L2449(T)/18 ENGLAND — West Coast — Blackpool NW — Works. Outfall.
Source: J. Murphy & Sons Ltd

1. Pipeline installation works are taking place until September 2018, within an area bounded by the following positions:

53° 52’ ·37N., 3° 02’ ·89W. (shore)
53° 52’ ·37N., 3° 03’ ·80W.
53° 52’ ·13N., 3° 03’ ·87W.
53° 51’ ·71N., 3° 06’ ·30W.
53° 51’ ·60N., 3° 06’ ·25W.
53° 52’ ·18N., 3° 02’ ·91W. (shore)

2. Mariners are advised to navigate with caution within the vicinity. (ETRS89 DATUM)
Charts affected — SC5609 and SC5613

L2908/18 WALES — West Coast — Holyhead Deep — Buoy. Legend.
Source: Minesto UK Ltd

Chart: SC5613-23 ETRS89 DATUM
Insert \( F \) 53° 17’·8N., 4° 47’·8W.


Chart SC5613-18 WGS84 DATUM
The following changes were published in the new edition of chart 1344, which is the source chart for the above folio sheet:

Includes changes to depths from the latest Dumfries and Galloway Council Surveys. Mariners should therefore navigate with caution on sheet SC5613-18 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.

These changes will be included in the next new edition of SC5613.

L3274/18 ENGLAND — West Coast — — Buoyage.
Source: Lancaster Port Commission

Chart: SC5613-12 (Panel A, Approaches to Glasson and Heysham) ETRS89 DATUM
Move \( \text{Fl}(3)G.10s \) No 3, from: 53° 58’·65N., 2° 57’·79W.
to: 53° 58’·75N., 2° 57’·76W.
\( \text{Fl.G.5s} \) No 5, from: 53° 58’·31N., 2° 54’·87W.
to: 53° 58’·51N., 2° 55’·15W.
\( \text{Fl.R.4s} \) No 6, from: 53° 58’·67N., 2° 54’·26W.
to: 53° 58’·73N., 2° 54’·35W.

L3485/18 ENGLAND — West Coast — — Buoy.
Source: Ørsted
**Chart: SC5613-1 ETRS89 DATUM**
Delete  
♀️ Fl(5)Y.20s  
53° 54‘ 24N. , 3° 19‘-00W.

**Chart: SC5613-9 ETRS89 DATUM**
Delete  
♀️ Fl(5)Y.20s  
53° 54‘ 24N. , 3° 19‘-00W.

**Chart: SC5613-10 ETRS89 DATUM**
Delete  
♀️ Fl(5)Y.20s  
53° 54‘ 24N. , 3° 19‘-00W.

---

**L3540/18 WALES — North Coast — — Buoy.**
Source: Rhyl Harbour Notice 3/18

**Chart: SC5613-3 ETRS89 DATUM**
Delete  
♂ Mo(A)10s  
53° 19‘-60N. , 3° 32‘-00W.

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**L3543/18 ISLE OF MAN — — Light.**
Source: Northern Lighthouse Board Notice 18/17

*Note: Former Notice L1007(T)/17 is cancelled.*

**Chart: SC5613-2 ETRS89 DATUM**
Amend range of light to, 15M  
54° 17‘-73N. , 4° 18‘-57W.

**Chart: SC5613-21 (Panel A, Isle of Man East Coast) ETRS89 DATUM**
Amend range of light to, 15M  
54° 17‘-73N. , 4° 18‘-57W.

**Chart: SC5613-23 ETRS89 DATUM**
Amend range of light to, 15M  
54° 17‘-8N. , 4° 18‘-5W.

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**L3591/18 SCOTLAND — South West Coast — — Light.**
Source: Dumfries and Galloway Council Harbours Notice 9/18

**Chart: SC5613-17 ETRS89 DATUM**
Amend range of light to, 3M  
54° 41‘-88N. , 4° 21‘-84W.

**Chart: SC5613-19 (Panel A, Wigtown Bay to Luce Bay) ETRS89 DATUM**
Amend range of light to, 3M  
54° 41‘-88N. , 4° 21‘-84W.
Temporary/Preliminary NMs
L3600(P)/18 ENGLAND — West Coast — — Depth.
Source: Peel Ports

1. Depths and drying heights less than charted exist in the approaches to Liverpool. The most significant are as follows:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1·7m</td>
<td>53° 21’·547N., 2° 57’·990W.</td>
</tr>
</tbody>
</table>

2. Mariners are advised to navigate with caution in the area.
3. These changes will be included in the next New Edition of Charts 3490 and 1951, to be published late 2018.(ETRS89 DATUM)

Charts affected – SC5613

L3686/18 ISLE OF MAN — — Light.
Source: Northern Lighthouse Board Notice 19/17

*Note: Former Notice L1012(T)/17 is cancelled.*

Chart: SC5613-20 (Panel A, Isle of Man, West Coast) ETRS89 DATUM
Amend range of light to, 15M 54° 08’·60N., 4° 27’·95W.

Chart: SC5613-21 (Panel A, Isle of Man, East Coast) ETRS89 DATUM
Amend range of light to, 15M 54° 08’·60N., 4° 27’·95W.

Chart: SC5613-22 (Panel A, Isle of Man, Douglas) ETRS89 DATUM
Amend range of light to, 15M 54° 08’·599N., 4° 27’·947W.

Chart: SC5613-23 ETRS89 DATUM
Amend range of light to, 15M 54° 08’·60N., 4° 27’·9W.

Temporary/Preliminary NMs
L3670(P)/18 ENGLAND — West Coast — — Depths.
Source: Peel Ports

1. Numerous depths and drying heights less than charted exist in the approaches to Liverpool. The most significant are as follows:

<table>
<thead>
<tr>
<th>Depth</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>* 4·6m</td>
<td>53° 31’·67N., 3° 08’·84W.</td>
</tr>
</tbody>
</table>
2. Mariners are advised to navigate with caution in the area.
3. These changes will be included in the next New Edition of Charts 1951 and 3490, to be published late 2018.
4. Former Notice 3600(P)/18 is cancelled.*Indicates new or revised entry. (ETRS89 DATUM)

Charts affected – SC5613

L4063/18 ENGLAND — West Coast — Submarine power cables. Legends.
Source: Ørsted

Note: Former Notice L495(P)/17 is cancelled

Chart: SC5613-1 ETRS89 DATUM
Delete legend, Planned, centred on:

<table>
<thead>
<tr>
<th>Drying height</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>* 0.4m</td>
<td>53° 27'·204N., 3° 02'·890W.</td>
</tr>
<tr>
<td>* 1.8m</td>
<td>53° 23'·176N., 2° 59'·506W.</td>
</tr>
<tr>
<td>* 1.2m</td>
<td>53° 22'·888N., 2° 59'·276W.</td>
</tr>
<tr>
<td>* 2m</td>
<td>53° 22'·666N., 2° 59'·096W.</td>
</tr>
<tr>
<td>* 1.1m</td>
<td>53° 22'·450N., 2° 58'·534W.</td>
</tr>
<tr>
<td>* 3.9m</td>
<td>53° 21'·641N., 2° 58'·203W.</td>
</tr>
<tr>
<td>* 1.9m</td>
<td>53° 21'·620N., 2° 58'·237W.</td>
</tr>
<tr>
<td>* 3.5m</td>
<td>53° 21'·603N., 2° 58'·063W.</td>
</tr>
<tr>
<td>1.7m</td>
<td>53° 21'·547N., 2° 57'·990W.</td>
</tr>
<tr>
<td>* 0m</td>
<td>53° 21'·491N., 2° 58'·150W.</td>
</tr>
<tr>
<td>* 1.5m</td>
<td>53° 21'·505N., 2° 57'·916W.</td>
</tr>
<tr>
<td>* 0.9m</td>
<td>53° 21'·522N., 2° 57'·793W.</td>
</tr>
</tbody>
</table>

| * 0.7m        | 53° 31'·64N., 3° 08'·88W. |
| * 1m          | 53° 31'·57N., 3° 08'·77W. |
| * 0.2m        | 53° 31'·15N., 3° 07'·56W. |
| * 0.4m        | 53° 33'·140N., 2° 59'·364W. |
| * 0.7m        | 53° 33'·086N., 2° 59'·311W. |
| * 0.6m        | 53° 23'·938N., 2° 59'·232W. |
| * 0.4m        | 53° 22'·304N., 2° 58'·289W. |
| * 2.1m        | 53° 22'·229N., 2° 58'·148W. |
| * 0.3m        | 53° 21'·364N., 2° 57'·709W. |
| * 0.3m        | 53° 21'·226N., 2° 57'·769W. |
| * 0.3m        | 53° 21'·071N., 2° 57'·600W. |
| * 0.7m        | 53° 21'·064N., 2° 57'·520W. |
| * 1.5m        | 53° 21'·139N., 2° 57'·418W. |

54° 02'·71N., 3° 44'·12W.
53° 55'·29N., 3° 20'·85W.
54° 02'·71N., 3° 44'·12W.
53° 55' ·29N. , 3° 20' ·85W.

Chart: SC5613-9 ETRS89 DATUM
Insert submarine power cable, ~~~ $~~~ , joining:

53° 55' ·80N. , 3° 27' ·00W.
53° 55' ·21N. , 3° 21' ·98W.
53° 54' ·40N. , 3° 13' ·74W.
53° 54' ·19N. , 3° 13' ·05W.
53° 54' ·25N. , 3° 12' ·60W.
53° 55' ·80N. , 3° 09' ·02W.
and
53° 55' ·80N. , 3° 29' ·41W.
53° 55' ·05N. , 3° 22' ·00W.
53° 54' ·34N. , 3° 13' ·74W.
53° 54' ·13N. , 3° 13' ·06W.
53° 54' ·15N. , 3° 12' ·67W.
53° 55' ·80N. , 3° 08' ·81W.

Chart: SC5613-14 ETRS89 DATUM
Delete legend, Planned, centred on:

53° 56' ·04N. , 3° 08' ·21W.

Temporary/Preliminary NMs
L4123(P)/18 ENGLAND — West Coast — — Submarine power cables.
Source: Ørsted

1. Submarine power cables have been laid, joining the following positions:

53° 56' ·74N. , 3° 31' ·58W.
53° 56' ·09N. , 3° 30' ·00W.
53° 54' ·39N. , 3° 13' ·71W.
53° 54' ·20N. , 3° 12' ·95W.
53° 54' ·43N. , 3° 12' ·22W.
53° 56' ·32N. , 3° 08' ·03W.
53° 56' ·75N. , 3° 06' ·03W.
53° 56' ·88N. , 3° 04' ·70W.
53° 57' ·13N. , 3° 03' ·90W.
53° 57' ·47N. , 3° 03' ·34W.
53° 59' ·01N. , 2° 59' ·74W.
53° 59' ·38N. , 2° 59' ·48W.
53° 59' ·69N. , 2° 58' ·66W.
54° 00' ·02N. , 2° 58' ·27W.
54° 00' ·13N. , 2° 57' ·86W.
54° 00' ·33 N., 2° 56' ·50 W.
54° 00' ·40 N., 2° 53' ·89 W.
and
53° 56' ·51 N., 3° 31' ·58 W.
53° 55' ·94 N., 3° 30' ·29 W.
53° 54' ·82 N., 3° 19' ·49 W.
53° 54' ·34 N., 3° 13' ·76 W.
53° 54' ·13 N., 3° 13' ·10 W.
53° 54' ·14 N., 3° 12' ·68 W.
53° 56' ·15 N., 3° 08' ·14 W.
53° 56' ·67 N., 3° 05' ·77 W.
53° 56' ·77 N., 3° 04' ·80 W.
53° 57' ·18 N., 3° 03' ·55 W.
53° 57' ·44 N., 3° 03' ·20 W.
53° 59' ·10 N., 2° 59' ·36 W.
53° 59' ·46 N., 2° 59' ·12 W.
53° 59' ·65 N., 2° 58' ·64 W.
53° 59' ·98 N., 2° 58' ·16 W.
54° 00' ·19 N., 2° 57' ·25 W.
54° 00' ·38 N., 2° 53' ·88 W.

2. Mariners are advised to navigate with caution in the area.
3. These changes will be included in New Editions of Charts 1552 and 2010 to be published 4 October 2018.
4. Former Notice L495(P)/17 is cancelled (ETRS89 DATUM)

Charts affected – SC5613

L4164/18 ENGLAND — West Coast — — Wreck.
Source: HM Coastguard

Chart: SC5613-14 ETRS89 DATUM
Insert

L4269/18 ENGLAND — West Coast — — Buoy.
Source: United Utilities Water PLC

Chart: SC5613-8 (Panel C, Approaches to Silloth) ETRS89 DATUM
Insert

L4286/18 ISLE OF MAN — — Legend.
Source: Isle of Man Harbours Notice 14/18
Chart: SC5613·20 (Panel A, Isle of Man West Coast) ETRS89 DATUM
Delete legend, Buoyed, centred on: 54° 04′·97N, 4° 48′·29W.

L4289/18 WALES — West Coast — — Automatic Identification System.
Source: Trinity House

Chart: SC5613·23 ETRS89 DATUM
Insert Automatic Identification System, AIS, at light-buoy 53° 17′·8N, 4° 47′·8W.

Temporary/Preliminary NMs
L4324(T)/18 ENGLAND — North West Coast — — Buoy.
Source: Ørsted

1. A light-buoy, Fl(5)Y.20s has been established in position 54° 00′·11N, 3° 33′·72W. (ETRS89 DATUM)

Chart affected – SC5613

Temporary/Preliminary NMs
L4499(T)/18 ENGLAND — West Coast — — Light-float. Buoy.
Source: Peel Ports Notice 45/18

1. The light float, Fl.5s11m12M Bar Racon(T), in position 53° 32′·02N, 3° 20′·98W. has been replaced by a high focal plane red pillar buoy, Fl.5s Bar Racon(T). (ETRS89 DATUM)

Charts affected – SC5609 and SC5613


Charts SC5613·11 and SC5613·12 WGS84 DATUM
The following changes were published in the new edition of chart 1552, which is the source chart for the above folio sheets:

Includes significant safety-related information as follows: new submarine cables. Mariners should therefore navigate with caution on sheets SC5613·11 and SC5613·12 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.
These changes will be included in the next new edition of SC5613.


Chart SC5613-10 WGS84 DATUM
The following changes were published in the new edition of chart 2010, which is the source chart for the above folio sheet:

Includes significant safety-related information as follows: new submarine cables. Mariners should therefore navigate with caution on sheet SC5613-10 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.

These changes will be included in the next new edition of SC5613.

L5557/18 WALES — North Coast — — Depth. Obstruction.
Source: Raymond Cramer

Chart: SC5613-1 ETRS89 DATUM
Insert 27° Obstn 53° 34'·63N., 3° 35'·89W.

Chart: SC5613-7 ETRS89 DATUM
Replace depth, 27s, with, 27° Obstn 53° 34'·63N., 3° 35'·89W.

Chart: SC5613-23 ETRS89 DATUM
Insert 27° Obstn 53° 34'·6N., 3° 35'·9W.

Temporary/Preliminary NMs
L5626(P)/18 ENGLAND — West Coast — — Light.
Source: Peel Ports

1. Light, F.Y, in position 53° 24'·611N., 3° 00'·907W. has been discontinued.
2. This change will be included in a New Edition of Chart 3490 to be published 6 December 2018.(ETRS89 DATUM)

Chart affected – SC5613

L5738/18 ENGLAND — West Coast — — Obstruction.

Chart SC5613·4 WGS84 DATUM

The following changes were published in the new edition of chart 1951, which is the source chart for the above folio sheet:

Includes changes to depths from the latest Mersey Docks and Harbour Company surveys.
Mariners should therefore navigate with caution on sheet SC5613·4 and be aware that any subsequent Notices to Mariners applied to this sheet are issued for information only.

These changes will be included in the next new edition of SC5613.


Charts SC5613·5 and SC5613·6 WGS84 DATUM

The following changes were published in the new edition of chart 3490, which is the source chart for the above folio sheets:

Includes changes to depths from the latest Mersey Docks and Harbour Company Surveys.
Mariners should therefore navigate with caution on sheets SC5613·5 and SC5613·6 and be aware that any subsequent Notices to Mariners applied to these sheets are issued for information only.

These changes will be included in the next new edition of SC5613.

Source: J. Murphy & Sons Ltd

Note: Former Notice L2449(T)/18 is cancelled.
L6160/18 ENGLAND — West Coast — — Depths.
Source: British Government Survey

Chart: SC5613-10 ETRS89 DATUM
Insert depth, $\gamma$ (a) 54° 03' -90N., 3° 19' -36W.
Delete depth, $\delta$, close NW of: (a) above
Insert depth, $\delta$, and extend 10m contour W to enclose (b) 54° 03' -87N., 3° 17' -36W.
Delete depth, 11s, close SW of: (b) above
Insert depth, $\zeta$, close NE of: (c) 54° 03' -78N., 3° 19' -38W.
Delete depth, 7$, close NE of: (c) above
Insert depth, $\zeta$, and extend 10m contour N to enclose (d) 54° 03' -21N., 3° 18' -96W.
Delete depth, 10s, close N of: (d) above
Insert depth, $\zeta$, (e) 54° 02' -73N., 3° 19' -42W.
Delete depth, 8$, close NW of: (e) above

Chart: SC5613-14 ETRS89 DATUM
Insert depth, $\zeta$, and extend 10m contour W to enclose 54° 04' -83N., 3° 19' -16W.
depth, $\eta$, enclosed by 10m contour 54° 04' -89N., 3° 19' -42W.
depth, $\gamma$ (a) 54° 03' -90N., 3° 19' -36W.
Delete depth, $\delta$, close NW of: (a) above
Insert depth, $\delta$, and extend 10m contour W to enclose 54° 03' -87N., 3° 18' -83W.
depth, $\delta$ 54° 03' -78N., 3° 18' -38W.
L443/19 ISLE OF MAN — — Lights.
Source: Marine Operations Centre, Isle of Man

Chart: SC5613-20 (Panel A, Isle of Man, West Coast) ETRS89 DATUM
Amend light to, Fl.R.5s4m5M (sync) 54° 13’·563N. , 4° 41’·667W.
light to, Fl.R.5s10m5M (sync) 54° 13’·452N. , 4° 41’·767W.

Chart: SC5613-22 (Panel E, Peel) ETRS89 DATUM
Amend light to, Fl.R.5s4m5M (sync) 54° 13’·563N. , 4° 41’·667W.
light to, Fl.R.5s10m5M (sync) 54° 13’·452N. , 4° 41’·767W.

L701/19 ENGLAND — West Coast — — Depths.
Source: British Government Survey

Chart: SC5613-10 ETRS89 DATUM
Insert depth, 4, enclosed by 5m contour (a) 54° 02’·09N. , 3° 15’·87W.
Delete depth, 5, and associated 5m contour close SE of: (a) above

Chart: SC5613-14 ETRS89 DATUM
Insert depth, 4, enclosed by 5m contour (a) 54° 02’·09N. , 3° 15’·87W.
Delete depth, 5, and associated 5m contour close S of: (a) above

L1410/19 WALES — North Coast — — Obstructions. Depths.
Source: m/s Northern Wind

Chart: SC5613-3 ETRS89 DATUM
Insert ☀️Obstn 53° 23’·37N. , 3° 30’·76W.
☀️Obstn 53° 23’·76N. , 3° 26’·61W.

L1693/19 ENGLAND - West Coast - Buoy.
Source: Peel Ports

Chart SC5613-4 (Panel A, Approach to Liverpool) ETRS89 DATUM
Move $\downarrow_{\leftarrow} VQR Q2$ from: 53° 31' 40" N., 3° 14' 57" W.

to: 53° 31' 48" N., 3° 14' 95" W.

L2092/19 ENGLAND — West Coast — — Depths.
Source: British Government Survey

Chart: SC5613-10 ETRS89 DATUM
Insert depth, $\tau$, enclosed by 2m contour 53° 57' 63" N., 3° 01' 72" W.

Chart: SC5613-11 (Panel A, Approaches to Fleetwood) ETRS89 DATUM
Insert depth, $\tau$, and extend 2m contour W to enclose (a) 53° 57' 63" N., 3° 01' 72" W.
Delete depth, $\alpha$, close W of: (a) above
Insert depth, $\theta$, enclosed by 0m low water line (b) 53° 57' 56" N., 3° 01' 63" W.
Delete depth, $\beta$, close SE of: (b) above
Replace depth, $\tau$, with depth, $\theta$ 53° 57' 63" N., 3° 01' 59" W.

L2379/19 WALES — North Coast — — Wreck.
Source: ms Northern Wind

Chart: SC5613-3 ETRS89 DATUM
Insert $\odot_{\mathcal{W}k}$ 53° 19' 59" N., 3° 39' 90" W.

L2474/19 WALES — North Coast — — Wrecks.
Source: ms Northern Wind

Chart: SC5613-3 ETRS89 DATUM
Insert $\odot_{\mathcal{W}k}$ 53° 24' 89" N., 3° 24' 77" W.