

5620 Updated to February 2024 Version 1.0

South West Wales

Coverage Diagram



5620	Chart Title	Natural Scale 1:
1	Approaches to Saint George's Channel and Bristol Channel	500,000
2	Saint George's Channel	200,000
3	Fishguard to Hartland Point	200,000
4A	Aberystwyth to New Quay	75,000
4B	Aberystwyth	18,000
4C	New Quay	12,500
5A	Aberaeron to Newport	75,000
5B	Aberporth	30,000
5C	Approaches to Cardigan	37,500
6	Aberaeron and Fishguard Bay	
6A	Aberaeron	18,000
6B	Fishguard Bay	15,000
7A	Newport Bay to Ramsey Sound	75,000
7B	Newport Bay	37,500
8	Ramsey Sound and Jack Sound	
8A	Ramsey Sound	25,000
8B	Jack Sound	12,500

5620	Chart Title	Natural Scale 1:
9	Ramsey Sound to Milford Haven including The Smalls	75,000
10	Skomer Island to Caldey Island	75,000
11	Approaches to Milford Haven	25,000
12	Dale Road to Milford Shelf	12,500
13	Milford Shelf to Cleddau Bridge	12,500
14A	River Cleddau	12,500
14B	Carew River	50,000
14C	Continuation of River Cleddau	12,500
14D	Continuation of River Cleddau	50,000
15	Approaches to Tenby and Saundersfoot	25,000
16	Carmarthen Bay	75,000

Positions are referred to the WGS84 compatible datum, European Terrestrial Reference System 1989 Datum.

Depths are in metres and are reduced to Chart Datum, which is approximately the level of Lowest Astronomical Tide.

Heights are in metres. Underlined figures are drying heights above Chart Datum. Overhead clearance heights are above Highest Astronomical Tide. All other heights are above Mean High Water Springs. Navigational marks: IALA Maritime Buoyage System-Region A (Red to port)

DATUM

All the charts are referred to WGS84. Any positions taken from GPS (referred to WGS84) or from ADMIRALTY Notices to Mariners (referred to ETRS89) can be plotted directly on all charts.

LIGHTS

Light stars without legends represent two fixed lights displayed vertically. They are seen as red to port and green to starboard, when proceeding upriver.

OVERHEAD CABLES

Overhead cables may conduct high voltages; contact with or proximity to these poses extreme danger. Sufficient clearance must be allowed.

OMISSION OF DETAIL

Within the limit marked _____ and the coastline, this chart should only be used for planning purposes as features such as depths, platforms, wrecks, pipelines, minor aids to navigation and cables have been omitted. Larger scale ADMIRALTY charts are available for mariners intending to navigate in this area.

HIGH INTENSITY LIGHTS

High Intensity Lights for use in daylight in reduced visibility are available on request to Milford Haven Port Control.

OIL AND LNG TERMINALS - NAVIGATION

No unauthorised vessels should navigate within 100 metres of a berth or a tanker moored at the terminals. The marked boat passages provide inshore access for small craft.

MARINE FARMS

Marine farms exist within the area of this chart. They may not all be shown individually and their positions may change frequently. Marine farms may be marked by lit or unlit buoys or beacons. Mariners are advised to avoid these structures and their associated moorings.

TARGETS AND BUOYS

Targets, moorings and buoys marking scientific instruments exist within 25 miles of Pencribach (52°08'N 4°34'W). Some are marked by flashing lights and their positions change; for the latest information consult www.aberporth.qinetiq.com. For further details, see ADMIRALTY List of Radio Signals.

SUBMARINE CABLES AND PIPELINES

Mariners should not anchor, trawl or engage in seabed operations in the vicinity of submarine cables and pipelines. Submarine cables support national infrastructure; damage to them may affect critical services and can result in serious consequences, as well as creating a potential hazard to mariners. Wilful or neglectful damage to a cable may result in legal action. Pipelines are not always buried and their presence may significantly reduce the charted depth. They may also span seabed undulations and cause fishing gear to become irrecoverably snagged, putting a vessel in severe danger. RESEARCH AREA - SAINT BRIDE'S BAY

Oceanographic instruments may be found within the research area $(51^{\circ}49'N 5^{\circ}16'W)$ in Saint Bride's Bay. Vessels are cautioned against anchoring in this area.

HIGH SPEED CRAFT

High Speed Craft operate in the area of these charts. Mariners are advised to maintain a good lookout. Some high speed craft may generate large waves, which can have a serious impact on small craft and their moorings close to the shoreline and on shallow off-lying banks.

HISTORIC AND MILITARY WRECKS

The site of historic and military wrecks are protected from unauthorised interference

AREA TO BE AVOIDED BETWEEN THE SMALLS (51°43'N 5°40'W) AND GRASSHOLM (51°44'N 5°29'W)

AND GRASSHOLM (51°44 N 5°29 W) To avoid the risk of pollution and damage to the environment, this area has been designated an Area to be Avoided. All vessels carrying dangerous or toxic cargoes, or any other vessel exceeding 500 GT, should avoid the area. This area is IMO-adopted.

LADEN TANKERS

1. Laden tankers should avoid the area between The Smalls Traffic Separation Scheme and The Smalls $(51^{\circ}43'N 5^{\circ}40'W)$.

2. Laden tankers over 10, 000 GT should not use the channel between Grassholm (51°44'N 5°29'W) and Skomer Island (51°44'N 5°18'W) unless moving between Saint Bride's Bay and Milford Haven.

FIRING PRACTICE AREAS

No restrictions are placed on the right to transit the firing practice areas at any time. The firing practice areas are operated using a clear range procedure: exercises and firing only take place when the areas are considered to be clear of all shipping.

MOVEMENT OF SHIPPING

Vesssels navigating in the approaches to Milford Haven should do so with extreme caution as deepdraught vessels with limited manoeuvrability may be encountered. Small craft should monitor VHF channel 12 at all times when within the Haven. Passing vessels are advised to keep at least 5 miles off Middle Channel Rocks Lighthouse (51°40′·31N 5°09′·83W). Alternatively, contact Milford Haven Port Control to obtain information on movement of shipping in and out of the Port of Milford Haven.

MILFORD HAVEN INFORMATION

Passage planning advice and information regarding local Notices to Mariners, weather, tidal and other information can be obtained from Milford Haven Port Authority at www.mhpa.co.uk.

VESSEL REPORTING

For details of Milford Haven Port Control, see ADMIRALTY List of Radio Signals.

ANCHORAGE

Vessels wishing to anchor in Milford Haven are required to obtain advice on location from Milford Haven Port Control. Dale Roads (51°42'·21N 5°07'·00W) is the only anchorage for ships over 7 metres and under 12 metres draught. Mariners should take care when anchoring, not to obstruct the Great and Little Castle Head leading lights (039·7°).

HM Coastguard Services and Safety Information

VHF MARITIME RADIO

Coastguard Maritime Rescue Co-ordination Centres are on constant watch on Channel 16 - the distress, safety and calling channel. Initial calls should normally be on Ch 16.

HM COASTGUARD MILFORD HAVEN (MRCC) Tel. +44 (0) 1646 690909 MMSI: 002320017 e-mail: zone28@hmcg.gov.uk (FAO Milford Haven Coastguard)

Distress and Safety Communication

Distress - Urgency

A Distress or Urgency message has absolute priority. Make a call on VHF Channel 16 and give the following essential information: Distress Call MAYDAY MAYDAY MAYDAY

- Name and Call Sign and MMSI number Position
- Nature of Distress
- Type of assistance required
- Type of boat number of crew intentions

Urgency (eg. if you break down in bad weather or a crewman requires medical attention) Call PANPAN PANPAN and give:

- Name and Call Sign and MMSI number Position
- Nature of Distress
- Type of assistance required
- Type of boat number of crew intentions

Other Distress Signals

Other recognised signals are

- Red flares (parachute, multi stars or hand held) Orange smoke signal
- The flag signal NC
- The morse signal SOS ... --- ... by light
- An article of clothing on an oar
- Slowly and repeatedly raising and lowering outstretched arms
- A square flag with anything resembling a ball above or below it
- Continuous sounding of a siren or whistle will also be recognised, or smoke and flames from the vessel
- The carriage of an Emergency Position Indicating Radio Beacon (406 EPIRB) will improve your chances of being located if conventional means fail. 406 EPIRBs are detected by satellite, in addition to aircraft, and transmitted to a Coastguard Maritime Rescue Co-ordination Centre.

THE USE OF MOBILE TELEPHONES IN DISTRESS AND SAFETY COMMUNICATIONS

The use of mobile telephones in the marine environent offshore is now well established, with users in all areas of the commercial, fishing and leisure communities.

Incidents have occured where vessels requiring assistance from rescue services have used the inland emergency service, or alternatively telephoned direct to request assistance. (e.g. Lifeboat services). This procedure through a mobile telephone is strongly discouraged.

Use of mobile telephones by-passes the existing dedicated well-established international marine distress communications systems.

Mobile telephone coverage offshore is limited and does not afford the same extensive safety coverage as VHF Channel 16. Consequently a greater risk exists of communications difficulties or even a complete breakdown if an accident should occur at the edge of a cell coverage area.

Subsequent on-scene communications would be restricted and delayed if mobile telephone communications were exclusively maintained throughout. There is always a risk that elements of vital information could be lost or misinterpreted by the introduction of further relay links in the communication chain. Mobile telephones are also highly susceptible to failure due to water ingress.

It is not possible to communicate direct to another vessel able to render assistance unless that vessel is also fitted with a mobile telephone and the telephone number is known. Requests for assistance cannot be monitored by other vessels in a position to render assistance. Valuable time would be lost whilst the relevent Coastguard Rescue Coordination Centre receives and then re-broadcasts the information to all ships on the appropriate distress channel(s).

In the interests of Safety Of Life At Sea (SOLAS), owners of vessels are urged to carry MARINE communications equipment onboard and to use this medium as the primary means of Distress and Safety communications.

Product Specifications

PRODUCT USAGE CAUTION

This product is specifically designed, in conjunction with other charts and publications, as an aid to the navigation of leisure craft and locally regulated workboats and fishing vessels and therefore should be used by competent (preferably qualified) maritime navigators. Although this product contains the best information available at the time of publication, the user should navigate with caution, particularly in areas of shallow or confined waters where the depth of water is likely to change due to local conditions. The information provided in this product comes from the latest source information held and is updated by Notice to Mariners upon receipt of new information critical to safe navigation. To help maintain this product for all users, users are asked to notify the United Kingdom Hydrographic Office of any differences found between what is depicted and actual conditions encountered.

KEEPING THIS CHART UPDATED

Updates for the charts are published using the Notices to Mariners Service on the ADMIRALTY Notices to Mariners page found on our website at admiralty.co.uk/msi. All updates for the latest edition of the chart are listed and can be quickly and easily downloaded. All the charts are derived from standard ADMIRALTY charts. No updates are applied to the charts by the United Kingdom Hydrographic Office or its agents after printing. For those who do not have internet access, please contact Tel. 01823 484444 for assistance.

TIDAL STREAMS

Full details of the tidal streams in the area covered by this folio are given in the following ADMIRALTY Tidal Stream Atlas: NP256 Irish Sea and Bristol Channel.

PROVIDE UPDATED INFORMATION

To help maintain this product users are asked to notify the United Kingdom Hydrographic Office of any differences found between what is depicted and actual conditions encountered. Users can do this by submitting a Hydrographic Note form, found on our website admiralty.co.uk/msi or by downloading our H-Note App. The H-Note App is freely available to download on Android and iOS devices. For more information please see here:



IMPROVEMENTS TO THIS PRODUCT

ADMIRALTY Small Craft Charts are designed for use on leisure craft and locally regulated workboats and fishing vessels, where the smaller format charts fit more conveniently into the limited space available. Users with specific suggestions for the improvement of this product or ideas for the expansion of the series are requested to forward their comments to:

Customer Services, The UK Hydrographic Office, Admiralty Way, Taunton. +44(0)1823 484444 E-mail customerservices@ukho.gov.uk

To view all ADMIRALTY Products and services, visit admiralty.co.uk

Tidal Stream Information

562	0_	1				Tida	I Str	eams ref	erre	d to HW	at D	OVER							
Hours	\diamond°	Geographical Position	\bigotimes	52°02'3 N 6 40'0W	₿	51°34'0N 6 23·1W	\diamond	52°06'5 N 5 54·3W	\Diamond	51°15'0N 5 50·1W	¢	52°00'3 N 5 36-6W	¢	50°50'0N 5 30·1W	\diamond	52°24′5 N 5 00·6W		51°10'0 N 5 00·1W	/
High Water 1 2 2 9 2 4 9 9 4 9 9 4 9 9 4 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	eams (degrees)	tides (knots) tides (knots)	055 066 069 081 095 111	$\begin{array}{cccc} 0.6 & 0.3 \\ 1.3 & 0.7 \\ 1.7 & 0.9 \\ 1.5 & 0.8 \\ 1.0 & 0.6 \\ 0.5 & 0.3 \end{array}$	040 034 026 014 354 280	$\begin{array}{cccc} 0.6 & 0.3 \\ 0.9 & 0.5 \\ 1.0 & 0.5 \\ 0.8 & 0.4 \\ 0.5 & 0.3 \\ 0.2 & 0.1 \end{array}$	012 021 022 023 029 039	$\begin{array}{cccc} 0.7 & 0.3 \\ 1.5 & 0.7 \\ 2.2 & 1.0 \\ 2.3 & 1.1 \\ 1.9 & 0.9 \\ 1.2 & 0.5 \end{array}$	040 007 326 304 283 258	$\begin{array}{cccc} 0.6 & 0.3 \\ 0.6 & 0.3 \\ 0.6 & 0.3 \\ 0.7 & 0.3 \\ 0.7 & 0.3 \\ 0.6 & 0.3 \end{array}$	038 030 028 024 024 020	$\begin{array}{cccc} 0.9 & 0.4 \\ 2.2 & 1.0 \\ 2.8 & 1.3 \\ 2.6 & 1.2 \\ 1.8 & 0.8 \\ 0.9 & 0.4 \end{array}$	050 023 279 239 235 235	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	017 016 017 017 019 025	$\begin{array}{cccc} 0.8 & 0.5 \\ 1.7 & 1.0 \\ 2.1 & 1.3 \\ 2.1 & 1.2 \\ 1.7 & 1.0 \\ 0.8 & 0.5 \end{array}$	047 025 290 256 247 236	$\begin{array}{cccc} 0.9 & 0.4 \\ 0.4 & 0.2 \\ 0.3 & 0.1 \\ 1.0 & 0.5 \\ 1.3 & 0.6 \\ 1.2 & 0.5 \end{array}$	-6 -5 -4 -3 -2 -1
After High Water 7 7 8 7 8 9 2 9 2 9	Directions of str	Rates at spring Rates at neap	215 246 250 258 270 284 046	$\begin{array}{cccc} 0.3 & 0.2 \\ 1.0 & 0.6 \\ 1.7 & 0.9 \\ 1.9 & 1.0 \\ 1.3 & 0.7 \\ 0.6 & 0.3 \\ 0.3 & 0.2 \end{array}$	220 211 208 201 183 122 049	$\begin{array}{ccccccc} 0.5 & 0.3 \\ 0.9 & 0.4 \\ 1.0 & 0.5 \\ 0.9 & 0.4 \\ 0.5 & 0.3 \\ 0.3 & 0.1 \\ 0.5 & 0.2 \end{array}$	099 200 205 206 207 208 000	$\begin{array}{cccc} 0.3 & 0.1 \\ 1.3 & 0.6 \\ 2.2 & 1.0 \\ 2.6 & 1.2 \\ 2.1 & 1.0 \\ 1.3 & 0.6 \\ 0.2 & 0.1 \end{array}$	215 179 148 123 102 079 049	$\begin{array}{cccc} 0.6 & 0.3 \\ 0.7 & 0.3 \\ 0.6 & 0.3 \\ 0.6 & 0.3 \\ 0.6 & 0.3 \\ 0.5 & 0.3 \\ 0.5 & 0.3 \\ 0.5 & 0.3 \end{array}$	215 208 207 210 207 194 064	$\begin{array}{ccccc} 0.5 & 0.2 \\ 1.8 & 0.8 \\ 2.8 & 1.3 \\ 2.8 & 1.3 \\ 2.1 & 1.0 \\ 1.1 & 0.5 \\ 0.4 & 0.2 \end{array}$	235 235 112 068 066 063 054	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	182 194 200 201 202 198 025	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	228 218 175 093 070 057 050	$\begin{array}{ccccccc} 0.9 & 0.4 \\ 0.6 & 0.3 \\ 0.2 & 0.1 \\ 0.5 & 0.2 \\ 1.1 & 0.5 \\ 1.3 & 0.6 \\ 1.1 & 0.5 \end{array}$	0 +1 +2 +3 +4 +5 +6

5620_2

Tidal Streams referred to HW at MILFORD HAVEN

Hours	\bigcirc^{G}	ieographical Position	A^{t}	52°10′ 6 56	·50 N ·40 W	B	2°02′ 6 40	-30 N -00 W	¢5	52°06 6 24	∿72 N ∙56 W		2°10 6 14	•62 N •56 ₩	€ ⁵	2°15′ 6 18	-10 N -30 W	√F ⁵	2°12′ 6 10	-22 N -86 W	65	2°06 5 54	`-52 N -36 W	(⊕5	2°00 5 36	·32 N ·56 W	$\langle \rangle$	51°36 5 17	5`-5 N `-1 W
Hours 6 4 5 4 1 High Water 1 2 1 High Water 1 2 1 2 1 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	s of streams (degrees)	it spring tides (knots)	205 005 006 011 015 011 210 206 205	6 56 0.1 0.3 0.6 0.5 0.3 0.1 0.2 0.9 1.4	0.1 0.2 0.3 0.2 0.1 0.1 0.5 0.8	248 253 265 276 330 055 066 069 081	6 40 1 3 1 9 1 6 1 0 0 2 0 6 1 3 1 7 1 5	0.7 1.0 0.8 0.6 0.1 0.3 0.7 0.9 0.8	249 249 251 255 010 067 069 070 071	6 24 2·3 2·7 2·3 1·3 0·1 1·0 2·1 2·4 2·4	1.3 1.5 1.3 0.7 0.1 0.6 1.2 1.3 1.1	224 234 228 059 047 050 048 048 048 053	6 14 2.7 2.5 1.2 0.3 0.9 1.2 1.3 1.7 1.5	1.5 1.4 0.6 0.1 0.5 0.6 0.7 0.9 0.8	119 120 118 110 020 332 331 331 350	6 18 2.7 2.3 1.7 1.2 0.4 1.7 1.6 1.0 0.4	1.5 1.3 0.9 0.6 0.2 0.9 0.8 0.5 0.2	136 133 134 136 139 154 040 043 028	6 10 0.8 2.0 3.1 3.3 2.8 1.2 0.6 3.4 3.1	04 11 16 18 15 06 03 18 16	203 206 209 207 215 012 021 023 023	5 54 1.6 2.4 2.6 1.9 0.6 0.7 1.7 2.2 2.4	0.7 1.1 1.2 0.9 0.3 0.3 0.3 0.8 1.0 1.1	206 208 211 204 182 040 030 028 024	2·4 2·9 2·6 1·7 0·7 0·9 2·2 2·8 2·6	1 1 1 3 1 2 0 8 0 3 0 4 1 0 1 3 1 2	143 137 127 115 084 355 323 318 314	5 17 1.6 2.2 2.1 1.5 0.7 0.9 1.7 2.1 2.0	0.8 1.0 1.0 0.7 0.3 0.4 0.8 1.0 0.9
High Wa	Direction	Rates a Rates	205 205 205 205	1.5 1.3 1.0 0.4	0·8 0·7 0·5 0·2	095 111 215 246	1.0 0.5 0.3 1.0	0·6 0·3 0·2 0·6	073 082 243 248	1.2 0.4 0.7 1.7	0·7 0·2 0·4 1·0	059 260 226 220	0·8 0·3 1·2 2·3	0·4 0·1 0·6 1·2	077 106 117 119	0·4 1·2 2·1 2·5	0·2 0·6 1·1 1·3	033 046 054 112	3·2 3·0 1·2 0·4	1.7 1.6 0.6 0.2	030 040 130 200	1·9 1·1 0·3 1·2	0·9 0·5 0·1 0·5	023 020 216 208	1.7 0.8 0.5 1.8	0·8 0·4 0·2 0·8	306 278 189 146	1.5 0.6 0.6 1.3	0·7 0·3 0·3 0·6

5620_2 continued

Hours	\diamond°	eographica Position		2°15 5 16	02 N ∙56 W		1°59′ 5 10	·92 N ·16 W	
After High Water 9 5 P & 2 L 1 2 & 9 4 9 1 2 & 8 4 7 8 4 9 1 2 & 8 4 7 8 7 8	Directions of streams (degrees)	Rates at spring tides (knots) Rates at neap tides (knots)	213 217 216 220 232 027 033 036 038 039 036 209 211	$ \begin{array}{c} 1.7\\ 2.4\\ 2.3\\ 1.6\\ 0.5\\ 0.7\\ 1.7\\ 2.3\\ 1.5\\ 0.6\\ 0.4\\ 1.3\end{array} $	$\begin{array}{c} 0.8 \\ 1.2 \\ 1.2 \\ 0.8 \\ 0.2 \\ 0.4 \\ 0.9 \\ 1.1 \\ 1.1 \\ 0.8 \\ 0.3 \\ 0.2 \\ 0.6 \end{array}$	237 218 224 206 060 044 048 051 045 069 292 237 240	$\begin{array}{c} 2.6\\ 2.5\\ 2.4\\ 0.7\\ 0.6\\ 1.7\\ 2.5\\ 2.6\\ 1.4\\ 0.5\\ 0.5\\ 1.3\\ 2.3\end{array}$	$\begin{array}{c} 1 \cdot 1 \\ 1 \cdot 1 \\ 1 \cdot 0 \\ 0 \cdot 3 \\ 0 \cdot 3 \\ 0 \cdot 7 \\ 1 \cdot 1 \\ 1 \cdot 1 \\ 0 \cdot 6 \\ 0 \cdot 2 \\ 0 \cdot 2 \\ 0 \cdot 6 \\ 1 \cdot 0 \end{array}$	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

5620 3

562	0_	3				HW	at M	ILFOR	HA\	/EN			
Hours	\diamond°	eographica Position		52°00´-3 N 5 36 ∙6 W	$\langle B \rangle$	51°36´∙5 N 5 17 ∙1 W	\Diamond	51°22´0 N 4 43 2 W		51°10′0 N 5 00 1 W	E	51°00´-4 N 5 31-8 W	
High Water High Mater	streams (degrees)	ng tides (knots) ap tides (knots)	206 208 211 204 182 040 030	2.4 1.1 2.9 1.3 2.6 1.2 1.7 0.8 0.7 0.3 0.9 0.4 2.2 1.0	143 137 127 115 084 355 323	1.6 0.8 2.2 1.0 2.1 1.0 1.5 0.7 0.7 0.3 0.9 0.4 1.7 0.8	160 095 076 075 070 065 097	0.5 0.2 0.9 0.4 1.4 0.6 1.7 0.8 1.4 0.7 0.8 0.4 0.9 0.4	205 122 077 062 054 047 025	0.4 0.2 0.3 0.1 0.9 0.4 1.4 0.7 1.2 0.6 0.9 0.4 0.4 0.2	199 132 092 074 063 050 028	$\begin{array}{ccccccc} 0.5 & 0.2 \\ 0.5 & 0.2 \\ 0.8 & 0.3 \\ 1.0 & 0.4 \\ 1.1 & 0.5 \\ 0.9 & 0.4 \\ 0.6 & 0.2 \end{array}$	-6 -5 -4 -3 -2 -1 0
High Water	Directions of s	Rates at spri Rates at nea	028 024 023 020 216 208	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	318 314 306 278 189 146	2.1 1.0 2.0 0.9 1.5 0.7 0.6 0.3 0.6 0.3 1.3 0.6	243 260 265 267 246 190	0.6 0.3 1.4 0.6 1.8 0.8 1.5 0.7 1.1 0.5 0.4 0.2	290 256 247 236 228 218	0·3 0·1 1·0 0·5 1·3 0·6 1·2 0·5 0·9 0·4 0·6 0·3	323 278 263 252 240 216	$ \begin{array}{cccc} 0.4 & 0.2 \\ 0.7 & 0.3 \\ 1.0 & 0.4 \\ 1.0 & 0.4 \\ 1.0 & 0.4 \\ 0.6 & 0.3 \end{array} $	+1 +2 +3 +4 +5 +6

Tidal Streams referred to

5620_6 Tidal Streams referred to HW at MILFORD HAVEN (Current included)

Hours	\diamond°	Geograph Positio	ical 1		52°01′8N 4 59.6W	₿	52°01′7N 4 57·1W		52°00′.9N 4 57.6W	
After High Water Before High Water High Water 1 2 2 4 5 9 1 2 2 4 5 9 1 2 2 4 2 8 2 9 1 2 2 7 1 2 7 1 2 8 2 9 1 2 2 7 1 2 8 2 9 1 1 1 1	Directions of streams (degrees)	Rates at spring tides (knots)	וומופס מו וופמה ווחפס (אווחוס)	262 262 262 138 094 094 257 262 262 262 262 262 262	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	230 227 210 079 085 079 090 135 186 222 232 232 232 232	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	240 206 162 116 138 150 162 251 263 274 284 251	$ \begin{array}{ccccc} 0\cdot 4 & 0\cdot 2 \\ 0\cdot 3 & 0\cdot 1 \\ 0\cdot 2 & 0\cdot 1 \\ 0\cdot 5 & 0\cdot 2 \\ 0\cdot 7 & 0\cdot 3 \\ 0\cdot 5 & 0\cdot 2 \\ 0\cdot 5 & 0\cdot 2 \\ 0\cdot 5 & 0\cdot 2 \\ 0\cdot 3 & 0\cdot 1 \\ 0\cdot 2 & 0\cdot 1 \\ 0\cdot 4 & 0\cdot 2 \\ 0\cdot 5 & 0\cdot 2 \\ 0\cdot 4 & 0\cdot 2 \\ 0\cdot 4 & 0\cdot 2 \\ \end{array} $	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

5620 - Updated to February 2024 Version 1.0

Tidal Streams referred to

to N	5620_9	Tidal Streams referred to HW at MILFORD HAVEN
52°01'7 N 4 57·1W	Hours Geographical	S1°41′·1N S 08·9W S 08·9W S 11°40′·2N S 11°40′·2N S 11°39′·9N S 11°1W S 10·5W S 10·5W S S 10°5W S 10°5W
$\begin{array}{cccccc} 230 & 1 \cdot 1 & 0 \cdot 5 & -6 \\ 227 & 1 \cdot 0 & 0 \cdot 4 & -5 \\ 210 & 0 \cdot 4 & 0 \cdot 2 & -4 \\ 079 & 0 \cdot 5 & 0 \cdot 2 & -3 \\ 085 & 1 \cdot 0 & 0 \cdot 4 & -2 \\ 079 & 0 \cdot 7 & 0 \cdot 3 & -1 \\ 090 & 0 \cdot 5 & 0 \cdot 2 & +1 \\ 186 & 0 \cdot 5 & 0 \cdot 2 & +1 \\ 186 & 0 \cdot 5 & 0 \cdot 2 & +1 \\ 222 & 0 \cdot 2 & 0 \cdot 1 & +3 \\ 232 & 0 \cdot 6 & 0 \cdot 3 & +4 \\ 232 & 0 \cdot 8 & 0 \cdot 4 & +5 \\ 232 & 1 \cdot 2 & 0 \cdot 5 & +6 \\ \end{array}$	After High Water 9 G P & D I Directions of streams (degrees) Rates at spring tides (knots) Rates at neap tides (knots)	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

5620 10 Tidal Streams referred to HW at MILFORD HAVEN

5620 7

6

Directions of streams (degrees)

Hours

High Water

High Water

After High Water

23456

Geographical Position

at spring tides (knots) tides (knots) 224 206 060

Rates :

neap

Rates at

51°59'9N

5 10·2W

 $\begin{array}{cccc} 2 \cdot 6 & 1 \cdot 1 \\ 2 \cdot 5 & 1 \cdot 1 \\ 2 \cdot 4 & 1 \cdot 0 \\ 0 \cdot 7 & 0 \cdot 3 \\ 0 \cdot 6 & 0 \cdot 3 \\ 1 \cdot 7 & 0 \cdot 7 \end{array}$

 $\begin{array}{c} 2 \cdot 6 & 1 \cdot 1 \\ 1 \cdot 4 & 0 \cdot 6 \\ 0 \cdot 5 & 0 \cdot 2 \\ 0 \cdot 5 & 0 \cdot 2 \\ 1 \cdot 3 & 0 \cdot 6 \\ 2 \cdot 3 & 1 \cdot 0 \end{array}$

048 2.5 1.1

 \diamond

237

218

044

051

045

Hours	\diamond	Geogra Posit	phical ion		51°36 5 17	645N 1W	
High Water 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	eams (degrees)	tides (knots)	tides (knots)	143 137 127 115 084 355	1·6 2·2 2·1 1·5 0·7 0·9	0.8 1.0 1.0 0.7 0.3 0.4	-6 -5 -4 -3 -2 -1
Water	ions of str	s at spring	es at neap	323 318 314 306	1.7 2.1 2.0 1.5	0·8 1·0 0·9 0·7	0 +1 +2 +3
4 High 4 5 6	Direct	Rate	Rati	278 189 146	0.6 0.6 1.3	0·3 0·3	+4 +5 +6

Tidal Streams referred to HW at SWANSEA

Hours	\diamond°	Geogra Posit	ohical ion	₿	51°3 5 01	143N 141W	Ø	51°34 4 42	8′8N 2.8W	
After High Water 9 G F & C L 9 G F & C L 1 C C F G C 1 C C F G C 1 C C F G C 1 C C F C C 1 C C F C C C C C C C C C C C C C C C C	Directions of streams (degrees)	Rates at spring tides (knots)	Rates at neap tides (knots)	115 104 100 099 097 092 334 288 282 279 276 270 159	$\begin{array}{c} 0.7 \\ 1.6 \\ 2.4 \\ 2.4 \\ 1.7 \\ 0.5 \\ 0.4 \\ 1.4 \\ 2.2 \\ 2.2 \\ 2.0 \\ 1.1 \\ 0.2 \end{array}$	$\begin{array}{c} 0.3 \\ 0.7 \\ 1.1 \\ 0.8 \\ 0.2 \\ 0.2 \\ 0.6 \\ 1.0 \\ 1.0 \\ 0.9 \\ 0.5 \\ 0.1 \end{array}$	077 076 076 075 250 256 253 257 258 259 067 077	$ \begin{array}{c} 1 \cdot 4 \\ 2 \cdot 1 \\ 2 \cdot 6 \\ 2 \cdot 4 \\ 1 \cdot 4 \\ 0 \cdot 5 \\ 1 \cdot 9 \\ 2 \cdot 2 \\ 2 \cdot 2 \\ 1 \cdot 9 \\ 1 \cdot 0 \\ 0 \cdot 2 \\ 1 \cdot 2 \\ \end{array} $	$\begin{array}{c} 0.7 \\ 1.0 \\ 1.2 \\ 1.1 \\ 0.7 \\ 0.2 \\ 0.9 \\ 1.0 \\ 1.0 \\ 0.9 \\ 0.4 \\ 0.1 \\ 0.6 \end{array}$	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

5620_11

Tidal Streams referred to HW at MILFORD HAVEN

Tidal Streams referred to

HW at MILFORD HAVEN

52°01'8 N

4 59·6W

1.8 0.8 1.8 0.8

1·1 0·5 0·3 0·1

0.5 0.2 1.7 0.7

0.8 0.3

1.8 0.8

2.0 0.9

2·0 0·9 1·9 0·8

1.9 0.8 1.8 0.8

働

262

262

262 262

138

094

094

257 262

262 262

262 262

52°00'9 N 4 57.6%

 240
 0·4
 0·2

 206
 0·3
 0·1

 162
 0·2
 0·1

 116
 0·5
 0·2

 116
 0·7
 0·3

 120
 0·7
 0·3

138 0.5 0.2

150 0.5 0.2

 162
 0·3
 0·1

 251
 0·2
 0·1

 263
 0·2
 0·1

 274
 0·4
 0·2

 284
 0·5
 0·2

 251
 0·4
 0·2

4 57.6W

Hours	\diamond°	eograp Positi	ohical ion	♦ ⁵	1°39'03 N 5-11-09W	€ ⁵	1°39'90N 5 10·53W	\$5	1°40'23 N 5 11·08W	∲ ⁵	1°41'13 N 5 08-86W	
High Water E 6 9 High Water	ams (degrees)	tides (knots)	ides (knots)	133 118 091 086 041 318	1.7 0.7 1.7 0.7 1.3 0.6 1.3 0.5 0.7 0.3 0.8 0.3	118 122 083 009 321 300	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	127 122 074 003 322 310	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	013 023 027 023 017	0.0 0.0 0.3 0.1 0.8 0.4 1.1 0.5 1.0 0.5 0.7 0.3	-6 -5 -4 -3 -2 -1
High Water	stre	- Bu	ap ti	291	1.3 0.6	292	1.4 0.6	300	1.6 0.7	354	0.3 0.1	0
High Water	Directions of a	Rates at spri	Rates at ne	294 292 286 212 160 139	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	292 288 273 156 121 115	1.5 0.6 1.3 0.6 0.8 0.3 0.5 0.2 1.8 0.8 1.9 0.8	296 288 264 131 128 126	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	214 207 207 200 187 120	0.5 0.2 0.9 0.4 1.1 0.5 1.1 0.5 0.6 0.3 0.1 0.1	+1 +2 +3 +4 +5 +6

5620 12

Tidal Streams referred to HW at MILFORD HAVEN

Hours	\diamond°	eograp Positi	hical on	6 ⁵	1°41′83 N 5 05∙56W		1°41'83 N 5 04·36W		1°41'93 N 5 01·76W	
High High Water 1 1 1 1 1 1 1 1 1 1 1 1 1	eams (degrees)	tides (knots)	tides (knots)	003 060 086 088 087 084	$\begin{array}{ccc} 0.3 & 0.2 \\ 0.6 & 0.3 \\ 1.2 & 0.6 \\ 1.7 & 0.8 \\ 1.5 & 0.7 \\ 0.9 & 0.4 \end{array}$	310 073 085 089 097 098	$\begin{array}{cccc} 0.4 & 0.2 \\ 0.4 & 0.2 \\ 1.0 & 0.5 \\ 1.5 & 0.7 \\ 1.3 & 0.6 \\ 1.1 & 0.5 \end{array}$	100 097 095 095 097 102	$\begin{array}{ccc} 0.1 & 0.0 \\ 0.7 & 0.3 \\ 1.0 & 0.4 \\ 1.1 & 0.5 \\ 1.4 & 0.6 \\ 0.9 & 0.4 \end{array}$	-6 -5 -4 -3 -2 -1
Water	f str	Dring	eap	017	0.1 0.0	083	0.3 0.2	100	0.1 0.0	0
Xater S	ions of	is at sp	es at n	260 260 260	1.2 0.5 1.7 0.8	294 272 263	1.0 0.5 1.1 0.5	285 280 278	1.1 0.5 1.2 0.5 1.1 0.5	+1 +2 +3
High A	Direct	Rate	Rat	261 265 317	1·4 0·7 1·0 0·5 0·6 0·3	257 263 278	1·3 0·6 1·2 0·6 0·7 0·3	276 270 258	0·9 0·4 0·5 0·2 0·2 0·1	+4 +5 +6

5620 13

Tidal Streams referred to HW at MILFORD HAVEN

Hours	\diamond°	eogra Posit	phical ion	♦ ⁵	1°41 5 01	• 9N • 8W	B ⁵	1°41 4 58	· 7N · 9W	\$ 5	1°42 4 56	• 1N * • 9W	
High Water Before 9 2 4 2 7 1 2 8 4 9 4 9 4 9 4 9 4 9 4 9 4 9 4 9 4 9 4	Directions of streams (degrees)	Rates at spring tides (knots)	Rates at neap tides (knots)	100 097 095 095 102 100 285 280 278 276 270 258	0.1 0.7 1.0 1.1 1.4 0.9 0.1 1.1 1.2 1.1 0.9 0.5 0.5 0.2	0.0 0.3 0.4 0.5 0.6 0.4 0.0 0.5 0.5 0.5 0.5 0.4 0.2 0.1	067 082 083 081 081 089 256 262 259 259 260 267	0.0 0.6 1.5 1.8 1.8 1.5 0.3 1.0 1.7 1.9 1.7 1.0 0.2	0.0 0.3 0.7 0.8 0.7 0.1 0.5 0.8 0.7 0.1 0.5 0.8 0.9 0.8 0.5 0.1	171 116 107 103 100 095 079 280 033 066 300 270 240	0.2 0.8 1.6 2.1 2.3 1.9 0.7 1.2 0.3 0.4 0.2 0.4 0.2	0·1 0·4 0·7 1·0 1·2 0·9 0·3 0·6 0·1 0·2 0·1 0·2 0·1	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

* Normal river current included

5620 14

Tidal Streams referred to HW at MILFORD HAVEN

Hours	Geographica Position	I 51°42′2N 4 55 1W
After High Water R Before 9 2 b & 0 1 3 2 b 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Directions of streams (degrees) Rates at spring tides (knots) Rates at neap tides (knots)	

* Normal river current included

5620_15

Tidal Streams referred to HW at AVONMOUTH

								•		
	∇^{e}	ieograp	phical	$\langle A \rangle$	51°38'8N	B	51°40'4N	\bigcirc	51°39'4N	
Hours	\sim	Positi	on	•	4 42·8VV	•	4 41·2VV	×	4 40.910	
6				076	2.1 1.0	007	0.9 0.4	031	1.4 0.6	-6
<u> </u>	je je	6		076	2.6 1.2	007	0.8 0.4	058	1.1 0.5	-5
a a	gr.	ot	ots	075	2.4 1.1	357	0.5 0.2	041	0.8 0.4	-4
12213	de la	5	U.S.	078	1.4 0.7	002	0.4 0.2	021	1.1 0.5	-3
a foi o		s s	÷.	250	0.5 0.2	142	0.1 0.1	310	0.7 0.3	-2
±[1	Ξ	de	dea	256	1.9 0.9	177	0.8 0.4	217	1.1 0.5	-1
High	trea	ig ti	o tic	253	2.2 1.0	184	0.9 0.4	220	1.4 0.6	0
Water	s L	urir	eal	257	2.2 1.0	182	0.9 0.4	216	1.2 0.6	+1
5	Ö	l s	- 	258	1.9 0.9	188	0.7 0.3	212	1.2 0.6	+2
c at	L SU	at	0	259	1.0 0.4	195	0.3 0.2	214	0.7 0.3	+3
≝≤{°	ti	es	fee	067	0.2 0.1	356	0.3 0.1	068	0.2 0.1	+4
≺_6 2	ec	at	ä	077	1.2 0.6	003	0.9 0.4	048	0.9 0.4	+5
<u>'</u>	Dir.			076	1.8 0.8	006	0.9 0.4	040	1.2 0.5	+6
\ 0										

5620_16

Tidal Streams referred to HW at SWANSEA

Hours 🔷	Geographical Position	\bigotimes	51°38′8N 4 42.8W	₿	51°40°4N 4 41.2W	Ø	51°39′4N 4 40.9W	\Diamond	51°36′9N 4 37 2W	¢	51°30′5N 4 24.6W	\$	51°35'2N 4 22 4W		51°40′4N 4 15 0W	
After gh Water Mater After gh Water High Water High Water High Water after after after High Water after after High Water after After	ates at spring tides (knots) Aates at neap tides (knots)	077 076 076 075 250 256 253 257 258 259 067	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	004 007 007 357 002 142 177 184 182 188 195 356	0.9 0.4 0.9 0.4 0.8 0.4 0.5 0.2 0.4 0.2 0.1 0.1 0.8 0.4 0.9 0.4 0.9 0.4 0.9 0.4 0.7 0.3 0.3 0.1	049 031 058 041 021 310 217 220 216 212 214 068	$\begin{array}{c} 1 & 1 & 0 & 5 \\ 1 & 4 & 0 & 6 \\ 1 & 1 & 0 & 5 \\ 0 & 8 & 0 & 4 \\ 1 & 1 & 0 & 5 \\ 0 & 7 & 0 & 3 \\ 1 & 1 & 0 & 5 \\ 1 & 4 & 0 & 6 \\ 1 & 2 & 0 & 6 \\ 1 & 2 & 0 & 6 \\ 1 & 2 & 0 & 6 \\ 0 & 7 & 0 & 3 \\ 0 & 2 & 0 & 1 \end{array}$	038 045 052 054 054 054 230 226 230 235 231	$\begin{array}{c} 0 & 0 & 0 \\ 0 & 8 & 0 \\ 1 & 4 & 0 \\ 1 & 6 & 0 \\ 7 & 0 \\ 1 & 2 & 0 \\ 0 & 7 & 0 \\ 3 & 0 \\ 1 & 2 & 0 \\ 0 & 5 & 0 \\ 2 & 1 \\ 2 & 0 \\ 1 & 6 \\ 1 \\ 6 & 0 \\ 7 \\ 1 \\ 6 & 0 \\ 7 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	104 108 115 116 116 116 192 287 295 296 296 296	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	181 138 123 122 124 121 330 321 319 328 289 238	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	210 022 023 029 031 040 220 225 219 213 208	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ \end{array} $
	LL	077	1.2 0.6	003	0.9 0.4	048	0.9 0.4	229	0.2 0.1	296	0.1 0.1	193	0.5 0.2	209	1.4 0.6	+6

TIME & HEIGHT DIFFERENCES FOR PREDICTING THE TIDE AT SECONDARY PORTS

			TIME DIFFERENCES				HEIGHT DIFFERENCES (IN MET			
PLACE	Lat. N	Long. W	High	Water Zone U	Low W T(GMT)	/ater	MHWS	MHWN	MLWN	MLWS
MILFORD HAVEN	51 42	5 03	0100 and 1300	0800 and 2000	0100 and 1300	0700 and 1900	7.0	5.2	2.5	0.7
Cardigan Bay										
Aberdaron	52 48	4 43	±0210	+0200	+0240	±0310	-24	-19	-0.6	-0.2
St Tudwal's Poads	52 40	1 20	10155	+0200	+0240	10210	-2.7	-1.0	-0.7	-0.2
Pwllbeli	52 53	4 23	+0133	+0140	+0245	+0320	-2.2	-1.5	-0.6	-0.2
Criccieth	52 55	4 24	+0210	+0150	+0245	+0320	-1.9	-1.0	-0.0	-0.1
Devthmeder	52 55	4 14	+0210	+0100	+0255	+0320	-2.0	-1.0	-0.7	-0.3
For triffiadog	52 55	4 00	+0233	+0210	U	U	-1.9	-1.0	0	0
Barmouth	52 43	4 03	+0207	+0200	+0300	+0233	-2.0	-1.5	-0.6	0.0
Aberdovev	52 33	4 03	+0215	+0200	+0230	+0305	-2.0	-1.7	-0.5	0.0
Aberystwyth	52 24	4 05	+0145	+0130	+0210	+0245	-2.0	-1.7	-0.7	0.0
New Quay	52 13	4 21	+0150	+0125	+0155	+0230	-2.1	-1.8	-0.6	-0.1
Aberporth	52 08	4 33	+0135	+0120	+0150	+0220	-2.1	-1.8	-0.6	-0.1
Port Cardigan	52 07	4 41	+0140	+0120	+0220	+0130	-2.3	-1.8	-0.5	0.0
Cardigan (Town)	52 05	4 40	+0220	+0150	©	0	-2.2	-1.6	0	0
FISHGUARD	52 01	4 59		STANDA	RD PORT		See Table of I	NON-REFERE	NCE STAND	ARD PORTS
Porthgain	51 57	5 11	+0055	+0045	+0045	+0100	-2.5	-1.8	-0.6	0.0
	54 50	= 10			0000		1.0	1.0		
Ramsey Sound	51 53	5 19	+0030	+0030	+0030	+0030	-1.9	-1.3	-0.3	0.0
Solva	51 52	5 12	+0015	+0010	+0035	+0015	-1.5	-1.0	-0.2	0.0
Little Haven	51 46	507	+0010	+0010	+0025	+0015	-1.1	-0.8	-0.2	0.0
Martin's Haven	51 44	5 15	+0010	+0010	+0015	+0015	-0.8	-0.5	+0.1	+0.1
Skomer Island	51 44	5 17	-0005	-0005	+0005	+0005	-0.4	-0.1	0.0	0.0
Dale Roads MILFORD HAVEN	51 42 51 42	5 09 5 03	-0005	-0005 STANDA	-0008 ARD PORT	-0008	0.0	0.0	0.0	-0.1
Cleddau River										
NEYLAND	51 42	4 57		STANDA	RD PORT		See Table of I	NON-REFERE	NCE STAND	ARD PORTS
Black Tar	51 45	4 54	+0010	+0020	+0005	0000	+0.1	+0.1	0.0	-0.1
Haverfordwest	51 48	4 58	+0010	+0025	§	§	-4.8	-4.9	§	§
Stackrole Quar	E1 07	4 5 4	0005	.0005	0010	0010	.00	.07	.0.0	.0.0
Tenby	51 37	4 54	-0005	-0025	-0010	-0010	+0.9	+0.7	+0.2	+0.3
Towey River	54.40	4.00		0010	0000			07	4 -	
	51 46	4 22	0000	-0010	+0220	0000	-0.3	-0.7	-1./	-0.6
Carmartnen	51 51	4 18	+0010	0000	8	8	-4.4	-4.8	8	8
Burry Inlet										
Burry Port	51 41	4 15	+0003	+0003	+0007	+0007	+1.6	+1.4	+0.5	+0.4
Llanelli	51 40	4 10	-0003	-0003	+0150	+0020	+0.8	+0.6	0	٥
			0500	1100	0500	1100				
COBH	51 51	0 10	0000 and	and	0500 and	and	4.1	2.2	12	0.4
совп	51 51	0 10	1700	2300	1700	2300	4.1	5.2	1.5	0.4
Baginbun Head	52 10	6 50	+0003	+0003	-0008	-0008	-0.2	-0.1	+0.2	+0.2
Fethard-on-Sea	52 12	6 49	+0004	+0004	-0004	-0004	0.0	0.0	+0.2	+0.2
Great Saltee	52 07	6 37	+0019	+0009	-0004	+0006	-0.3	-0.4	٥	٥
			0000	0600	0500	1100				
	52 15	6 21	0000 and	0600 and	0500 and	1100 and	22	1 0	11	07
	52 15	021	1200	1800	1700	2300	2.5	1.0	1.1	0.7
Kilmore Quay	52 10	6 35	-0017	-0023	0000	+0015	+1.3	+1.0	+0.1	-0.3
Carnsore Point	52 10	6 22	-0016	-0016	-0017	+0013	+0.7	+0.4	0	٥
RUSSLARE EUROPORT	52 15	6 20		STANDA	KD PORT					
Wextord Harbour	52 20	6 27	+0040	+0030	+0100	+0120	-0.3	-0.4	-0.2	-0.2

No Data.
 § Dries out except for river water.

Non-Reference Standard Ports											
STANDARD PORT	MHWS	MHWN	MLWN	MLWS							
FISHGUARD	4.8	3.4	2.0	0.8							
NEYLAND	7.0	5.2	2.5	0.7							

Tidal Curve Diagrams







