

5604 Updated to February 2022

The Channel Islands

Coverage Diagram



5604	Chart Title	Natural Scale 1:
1	Isle of Wight to Guernsey	325,000
2	Plymouth to Guernsey	325,000
3	Cherbourg to Guernsey	150,000
4	Guernsey to Jersey	150,000
5	Jersey to Saint-Malo	150,000
6	South West Approaches to Jersey	150,000
7	Alderney	25,000
8	Alderney Harbour	6,000
9	Guernsey, Herm and Sark	50,000
10	Approaches to Saint Peter Port	25,000
11A	Saint Peter Port	6,000
11B	Beaucette Marina	15,000
11C	The Casquets	25,000
12	Sark and the Big Russel	25,000

5604	Chart Title	Natural Scale 1:
13	Jersey	50,000
14	Approaches to Saint Helier	25,000
15A	Saint Helier	6,000
15B	Pierres de Lecq or Paternosters	25,000
15C	Les Écréhou	50,000
16	East Coast of Jersey	25,000
17	Plateau des Minquiers	50,000

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.

CHART ACCURACY

Owing to the age and quality of the source information, some chart detail may not be positioned accurately. Particular caution is advised when navigating in the vicinity of dangers, even when using an electronic positioning system such as GPS

DEPTHS

Many of the areas within this chart have not been systematically surveyed. Depths in these areas are from miscellaneous lines of passage soundings or old leadline surveys. Uncharted dangers may exist.

RACE OF ALDERNEY (49°40'.8N, 2°07'.3W)

The race of Alderney is not recommended for use by ships other than those proceeding to and from ports in the Channel Islands, ports located on the French coast between Cherbourg and the Île d'Ouessant (Ushant), or inshore routes at Île d'Ouessant.

TIDAL STREAMS

Tidal streams run strongly between the islands and through most of the channels shown in the area of this chart. For further details, see ADMIRALTY Sailing Directions.

HIGH SPEED CRAFT

High speed craft operate in the area of this chart. Mariners are advised to maintain a good lookout. Some high speed craft generate large waves, which can have a serious impact on small craft and their moorings close to the shoreline and on shallow offlying banks.

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. **Positions** are referred to WGS84 Datum. (CAUTION - see CHART ACCURACY note) **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)

WETREP

Tankers of more than 600 dwt carrying heavy crude oil, heavy fuel oil or bitumen and tar and their emulsions are required to participate in the Western European Tanker Reporting System (WETREP). See ADMIRALTY List of Radio Signals for further details.

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.

SATELLITE-DERIVED POSITIONS AND CHART ACCURACY

Positions obtained from satellite navigation systems, such as GPS, are normally referred to WGS84 Datum. Such positions can be directly plotted on this chart. However, due to the age and quality of the source information, such positions may be more accurate than the charted detail.

DEPTHS

The areas indicated on this chart contain inadequate depth information; uncharted dangers may exist. For further details, see larger scale charts.

AUTOMATIC IDENTIFICATION SYSTEMS

Many of the aids to navigation in French waters are fitted with AIS transmitters. For details, see ADMIRALTY List of Radio Signals.

BETWEEN THE OFF CASQUETS SCHEME AND THE GREENWICH MERIDIAN

Ships crossing the easterly or westerly recommended directions of traffic flow should do so on a heading as nearly as practicable at right angles to the general direction of traffic flow. Ships joining or leaving the main flow should do so at as small an angle as practicable to the recommended directions.

TRAFFIC SEPARATION SCHEME OFF CASQUETS

Subject to any factors that may adversely affect safe navigation, ships proceeding from the western part of the English Channel to Dover Strait, or vice versa, are strongly recommended to use this traffic separation scheme.

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.

HISTORIC AND MILITARY WRECKS The sites of historic and military wrecks are protected from unauthorised interference.

AUTOMATIC IDENTIFICATION SYSTEMS Many of the aids to navigation in French waters are fitted with AIS transmitters. For further details, see ADMIRALTY List of Radio Signals.

APPROACH CHANNELS, ACCESS CHANNELS AND WAITING AREAS -

FRENCH REGULATIONS

Vessels exceeding 1600 GT laden with hydrocarbons or other dangerous cargoes must keep at least 7 nautical miles off the French coast, except if entering certain ports where the charted approach channels, access channels and waiting areas are compulsory. For further details, see chart 5500 and ADMIRALTY Sailing Directions.

SHELLFISH BEDS

Vessels should avoid grounding in the areas of shellfish beds.

FISHERY ZONES

Special fishing restrictions apply in the waters around Jersey and Plateau des Minquiers. For further details see ADMIRALTY Sailing Directions

VESSEL REPORTING

For details of the following vessel traffic services and vessel reporting systems, see ADMIRALTY List of Radio Signals:

- Cherbourg VTS

- Gorey

- JOBOURG Reporting System (MANCHEREP) - Saint Helier VTS

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 a working channel or Ch 16.

HM COASTGUARD

CHANNEL ISLANDS (UK)

ALDERNEY COASTGUARD (Daylight hours only) Tel: +44 1481 822620 Email: coastguard@alderney.gov.gg

JERSEY COASTGUARD MRCC (GUD) Tel: +44 1534 447705 MMSI: 002320060 Email: jerseycoastguard@ports.je

GUERNSEY COASTGUARD

Tel: +44 1481 720672 MMSI: 002320064 Email: guernsey.coastguard@gov.gg

UNITED KINGDOM

FALMOUTH COASTGUARD OPERATIONS CENTRE (MRCC) Tel: +44 (0)1326 317575 MMSI: 002320014 Email: Zone23@hmcg.gov.uk (FAO Falmouth Coastguard)

JRCC (UK)

⁷Tel: +44(0)2392 552100 MMSI: 002320011 Email: Zone17@hmcg.gov.uk (FAO Solent Coastguard)

FRANCE

JOBOURG (CROSS) MRCC

Tel: +33 2 33521616 (Operations) 196 (Emergencies and MAREP/SURNAV reports. National Number only) MMSI: 002275200 Email: Joboug.mrcc@developpement-durable.gouv.fr jobourg@mrccfr.eu

RADIO WEATHER SERVICES The following stations broadcast weather forecasts:

- BBC Radio Jersey: Shipping Forecast for local waters (0625 and 1825 LT) Mon - Fri, (0725 LT) Sat & Sun.
- Jersey Meteorological Department: 24 hour recorded Weather Information. Telephone from UK & Channel Islands 0900 669 0022, from France +44 1534 448787.
- Jersey Coastguard (Ch 82): Shipping Forecast 0645, 0745, 0845, 1345, 1945, 2345. Gale Warnings South of 50°N, East of 3°W, at 0307, 0907, 1507 and 2107. Navigational Warnings at 0433, 0545, 0833, 1245, 1633, 1845, 2033, 2245.
- Saint Helier VTS (Ch18): Continuous Wind Information every 2 mins.
- Falmouth Coastguard: Warnings and Inshore Forecasts at 3 hourly intervals commencing at 0110. Shipping Forecast at 0710 and 1910.
- Solent Coastguard: Warnings and Inshore Forecasts at 3 hourly intervals commencing at 0130. Shipping Forecast at 0730 and 1930.

For transmission frequencies and further details consult ADMIRALTY List of Radio Signals Volume 2 (NP282).

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 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.

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

 ${\sf E}\text{-mail customerservices} @ukho.gov.uk$

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

Tidal Stream Information

560	4_	1					Ti	dal Strea	ams	referred	to H	IW at DC	VEF	1					
Hours	\diamond°	Geographical Position	\bigotimes	49°41'6N 2 36·1W	⊗	50°00'5 N 2 32 6W	\diamond	50°15'0N 2 10·1W	\Diamond	50°28'3 N 1 59·8W	E	49°59'1N 1 37·1W	¢	50°30'4 N 1 16·7W	Ø	49°45'0N 1 14·9W		50°11'3 N 1 03·7W	,
After High Water 9 5 4 8 5 1 1 5 8 9 4 9 1 7 8 9 4 9	Directions of streams (degrees)	Rates at spring tides (knots) Rates at neap tides (knots)	074 057 047 040 033 358 253 244 238 229 214 181 089	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	069 071 071 068 054 274 243 251 250 246 246 065	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	069 080 083 088 091 100 237 260 263 265 268 275 053	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	043 071 077 076 079 077 325 260 254 253 251 254 335	$ \begin{array}{c} 0.6 & 0.3 \\ 1.7 & 0.8 \\ 2.7 & 1.3 \\ 2.8 & 1.4 \\ 2.2 & 1.1 \\ 1.1 & 0.6 \\ 0.3 & 0.1 \\ 1.6 & 0.8 \\ 2.7 & 1.3 \\ 3.4 & 1.7 \\ 2.8 & 1.4 \\ 1.5 & 0.7 \\ 0.3 & 0.2 \\ \end{array} $	061 085 084 086 084 287 268 263 258 259 266 332	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	075 094 100 100 095 320 276 276 276 276 276 285 005	$\begin{array}{cccccccc} 0.9 & 0.5 \\ 2.8 & 1.4 \\ 4.2 & 2.1 \\ 4.6 & 2.3 \\ 3.6 & 1.8 \\ 1.8 & 0.9 \\ 0.4 & 0.2 \\ 2.6 & 1.3 \\ 4.2 & 2.1 \\ 4.2 & 2.1 \\ 3.4 & 1.7 \\ 1.8 & 0.9 \\ 0.4 & 0.2 \end{array}$	097 113 116 116 105 075 307 303 304 304 304 306 315 085	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	203 081 075 076 077 077 107 254 276 260 250 254 249	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

5604_2

Tidal Streams referred to HW at DOVER

Hours	\diamond°	Geographical Position	\bigotimes	50°12'5 N 4 05·3W	₿	49°48'7 N 4 01·3W	\diamond	50°06'4N 3 19·3W	\diamond	49°37'1N 3 13·7W	€	50°18'0 N 2 37·8W	 	49°41'6N 2 36·1W	\$	50°00'5 N 2 32.6W		50°15'0 N 2 10·1 W	\Diamond	50°28'3 N 1 59·8W	I V
After High Water Mater High Water Aight High Water	Directions of streams (degrees)	Rates at spring tides (knots) Rates at neap tides (knots)	095 103 118 143 240 270 268 271 285 310 333 073 091	$ \begin{array}{c} 0.9 & 0.5 \\ 1.0 & 0.5 \\ 0.7 & 0.3 \\ 0.4 & 0.2 \\ 0.1 & 0.1 \\ 0.4 & 0.2 \\ 0.7 & 0.3 \\ 0.8 & 0.4 \\ 0.8 & 0.4 \\ 0.8 & 0.4 \\ 0.3 & 0.2 \\ 0.6 & 0.3 \\ 0.8 & 0.4 \\ \end{array} $	081 079 057 069 244 256 258 259 254 257 082 076 079	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	037 041 048 051 046 057 225 222 224 222 229 279 033	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	073 064 050 039 000 297 252 239 230 221 206 115 074	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	045 072 079 079 089 097 194 245 259 261 261 261 267 351	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	074 057 047 040 033 358 253 244 238 229 214 181 089	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	069 071 071 068 054 274 243 251 250 246 246 065	$ \begin{array}{c} 1.0 & 0.5 \\ 1.5 & 0.7 \\ 2.5 & 1.2 \\ 2.0 & 1.0 \\ 1.6 & 0.8 \\ 0.7 & 0.4 \\ 0.5 & 0.3 \\ 1.7 & 0.8 \\ 2.4 & 1.2 \\ 2.5 & 1.2 \\ 2.5 & 1.2 \\ 1.9 & 0.9 \\ 0.9 & 0.4 \\ 0.5 & 0.2 \\ \end{array} $	069 080 083 091 100 237 260 263 265 268 275 053	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	043 071 077 076 079 077 325 260 254 253 251 254 335	$\begin{array}{ccccc} 0.6 & 0.3 \\ 1.7 & 0.8 \\ 2.7 & 1.3 \\ 2.8 & 1.4 \\ 2.2 & 1.1 \\ 1.1 & 0.6 \\ 0.3 & 0.1 \\ 1.6 & 0.8 \\ 2.7 & 1.3 \\ 3.4 & 1.7 \\ 2.8 & 1.4 \\ 1.5 & 0.7 \\ 0.3 & 0.2 \end{array}$	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

5604_3

Tidal Streams referred to HW at SAINT HELIER

Hours 🔇	Geographical Position	49°45'9 N 2 25 OW	49°35′5 N 2 20·7V	49 2	°43'9 N 03·6W	49°29'0 N 2 02∙5W	¢	49°44'5N 1°44'0W	
ter Mater High High Water 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ions of streams (degrees) s at spring tides (knots) es at neap tides (knots)	231 3.9 1.7 225 4.7 2.1 227 4.0 1.8 220 2.3 1.0 212 0.8 0.3 063 1.3 0.6 051 3.2 1.4 046 4.0 1.9 039 3.2 1.4	224 3·0 1·3 203 3·2 1·4 172 2·3 1·0 125 2·4 1·1 098 3·4 1·5 082 3·3 1·4 056 2·5 1·7 018 2·4 1·0 349 3·0 1·3 318 2·5 1·1	220 5 216 5 214 4 206 2 109 0 041 3 032 5 030 5 031 4 033 2	4 2.5 197 3 2.5 186 3 2.0 174 2 1.0 153 7 0.3 102 5 1.6 029 6 2.6 015 3 2.5 004 2 2.0 351 3 1.0 345	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	277 278 280 279 282 083 090 098 112 110	$\begin{array}{c} 3\cdot4 & 1\cdot6\\ 3\cdot3 & 1\cdot6\\ 2\cdot5 & 1\cdot2\\ 1\cdot1 & 0\cdot5\\ 0\cdot5 & 0\cdot2\\ 2\cdot2 & 1\cdot0\\ 3\cdot4 & 1\cdot6\\ 3\cdot4 & 1\cdot6\\ 3\cdot4 & 1\cdot6\\ 2\cdot1 & 1\cdot0\\ 1\cdot3 & 0\cdot6\\ \end{array}$	-6 -5 -4 -3 -2 -1 0 +1 +2 +3
HeiH	Direct Rate Rat	032 2·0 0·9 206 1·0 0·5 234 3·0 1·4	283 2.5 1.1 260 2.5 1.1 233 2.8 1.2	114 0 221 2 221 5	·3 0·1 327 ·9 1·3 204 ·0 2·4 196	0.5 0.2 1.3 0.6 2.1 0.9	180 276 278	0·2 0·1 1·5 0·7 3·0 1·4	+4 +5 +6

560	4_	4				-	Гidal	Stream	s ref	erred to	нw	at SAIN	г не	LIER							
Hours	\diamond°	Geographica Position	\bigotimes	49°29′0 N 2 02·5W	₿	49°20'0N 2 22·2W	Ø	49°16'4N 2 46 2W	\diamond	49°14'5 N 1 54·4W	€	49°12'8 N 1 45∙8W	¢	49°07'3 N 2 29.8W	Ø	49°06'0N 1 42·5W		49°05'7 N 2 09·9W	\Diamond	49°00′0N 1 51.0W	V 1
After High Water A B 2 7 8 2 7 8 2 1 2 8 2 1 2 8 2 9 2 7 8 2 1 8 1 8 6 7 8 7 9 2 8 7 1 8 8 6 7 1 8 8 6 7 1 8 8 6 7 1 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Directions of streams (degrees)	Rates at spring tides (knots) Rates at neap tides (knots)	197 186 174 153 102 029 015 004 351 345 327 204 196	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	239 232 205 133 068 063 055 045 035 004 282 242 242 237	$ \begin{array}{c} 3 \cdot 1 & 1 \cdot 4 \\ 2 \cdot 6 & 1 \cdot 1 \\ 1 \cdot 4 & 0 \cdot 6 \\ 0 \cdot 8 & 0 \cdot 3 \\ 1 \cdot 5 & 0 \cdot 7 \\ 2 \cdot 2 & 1 \cdot 0 \\ 2 \cdot 3 & 1 \cdot 0 \\ 2 \cdot 0 & 0 \cdot 9 \\ 1 \cdot 4 & 0 \cdot 6 \\ 0 \cdot 7 & 0 \cdot 3 \\ 0 \cdot 7 & 0 \cdot 3 \\ 1 \cdot 8 & 0 \cdot 8 \\ 3 \cdot 0 & 1 \cdot 3 \\ \end{array} $	259 217 148 121 105 095 076 041 342 309 293 275 264	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	192 139 125 117 117 083 330 313 301 300 295 277 233	$ \begin{array}{ccccc} 0.4 & 0.2 \\ 1.3 & 0.5 \\ 2.6 & 1.1 \\ 3.0 & 1.2 \\ 1.7 & 0.7 \\ 0.6 & 0.2 \\ 1.0 & 0.4 \\ 2.0 & 0.8 \\ 2.3 & 0.9 \\ 1.9 & 0.8 \\ 1.4 & 0.5 \\ 0.8 & 0.3 \\ 0.4 & 0.2 \\ \end{array} $	192 171 144 123 106 064 004 324 309 299 274 242 207	$ \begin{array}{c} 0.8 & 0.3 \\ 0.9 & 0.4 \\ 1.2 & 0.5 \\ 1.5 & 0.6 \\ 1.4 & 0.6 \\ 0.9 & 0.4 \\ 1.2 & 0.5 \\ 1.5 & 0.6 \\ 1.3 & 0.6 \\ 1.1 & 0.5 \\ 0.6 & 0.3 \\ 0.5 & 0.2 \\ 0.6 & 0.3 \\ \end{array} $	260 179 146 133 119 104 036 350 326 313 304 293 266	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	201 188 168 140 085 028 009 357 353 324 243 213 205	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	270 099 106 107 104 094 054 309 289 282 280 277 273	$\begin{array}{c ccccc} 0.8 & 0.4 \\ 0.7 & 0.3 \\ 2.5 & 1.1 \\ 3.5 & 1.5 \\ 3.1 & 1.3 \\ 1.9 & 0.8 \\ 0.6 & 0.3 \\ 1.0 & 0.4 \\ 2.1 & 0.9 \\ 2.9 & 1.2 \\ 2.8 & 1.2 \\ 2.1 & 0.9 \\ 1.2 & 0.5 \end{array}$	216 179 144 123 107 056 358 344 335 318 292 251 227	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-6 -5 -4 -3 -2 -1 0 +1 +2 +3 +4 +5 +6

5604_5

Tidal Streams referred to HW at SAINT HELIER

Hours	\diamond°	Geographical Position	\bigotimes	49°14'5 N 1 54·4W	₿	49°12'8 N 1 45·8W	Ô	49°06'0N 1 42·5W	\Diamond	49°05'7 N 2 09·9W	¢	49°00'0 N 1 51.0W	¢\$	48°48'4 N 2 08.0W	r
After High Water 9 5 4 5 7 1 2 8 4 5 9 1 7 8 4 5 9	Directions of streams (degrees)	Rates at spring tides (knots) Rates at neap tides (knots)	192 139 125 117 117 083 330 313 301 300 295 277 233	$ \begin{array}{ccccc} 0.4 & 0.2 \\ 1.3 & 0.5 \\ 2.6 & 1.1 \\ 3.0 & 1.2 \\ 1.7 & 0.7 \\ 0.6 & 0.2 \\ 1.0 & 0.4 \\ 2.0 & 0.8 \\ 2.3 & 0.9 \\ 1.9 & 0.8 \\ 1.4 & 0.5 \\ 0.8 & 0.3 \\ 0.4 & 0.2 \\ \end{array} $	192 171 144 123 106 064 004 324 309 299 274 242 207	$\begin{array}{ccccccc} 0.8 & 0.3 \\ 0.9 & 0.4 \\ 1.2 & 0.5 \\ 1.5 & 0.6 \\ 1.4 & 0.6 \\ 0.9 & 0.4 \\ 1.2 & 0.5 \\ 1.5 & 0.6 \\ 1.3 & 0.6 \\ 1.3 & 0.6 \\ 1.1 & 0.5 \\ 0.6 & 0.3 \\ 0.5 & 0.2 \\ 0.6 & 0.3 \end{array}$	201 188 168 140 085 028 009 357 353 324 243 213 205	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	270 099 106 107 104 094 054 309 289 282 280 277 273	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	216 179 144 123 107 056 358 344 335 318 292 251 227	$ \begin{array}{c} 1 \cdot 0 & 0 \cdot 4 \\ 1 \cdot 1 & 0 \cdot 5 \\ 1 \cdot 8 & 0 \cdot 7 \\ 2 \cdot 0 & 0 \cdot 8 \\ 1 \cdot 5 & 0 \cdot 6 \\ 0 \cdot 7 & 0 \cdot 3 \\ 1 \cdot 2 & 0 \cdot 5 \\ 1 \cdot 5 & 0 \cdot 6 \\ 1 \cdot 6 & 0 \cdot 7 \\ 1 \cdot 4 & 0 \cdot 6 \\ 1 \cdot 1 & 0 \cdot 5 \\ 1 \cdot 1 & 0 \cdot 4 \\ 1 \cdot 0 & 0 \cdot 4 \\ \end{array} $	263 218 108 102 097 094 083 320 292 283 276 273 267	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

5604_6 Tidal Streams referred to HW at SAINT HELIER

Hours	\diamond^{c}	Geographica Position	\Diamond	49°16'4 N 2 46 2W	₿	49°07'3 N 2 29·8W	\diamond	49°05'0 N 2 52 0W	\diamond	48°51'4 N 2 38.0W	
High Mater High Mater	reams (degrees)	g tides (knots) • tides (knots)	259 217 148 121 105 095	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	260 179 146 133 119 104	0.9 0.4 0.9 0.4 1.8 0.8 2.9 1.3 2.6 1.1 1.5 0.7	278 214 125 115 117 116	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	302 231 140 135 134 135	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	-6 -5 -4 -3 -2 -1
High Water High Water 2 2 4 2 2 6 2 2 2 2 2 4 2 2 2 2 2 4 2 2 2 2	Directions of st	Rates at sprin Rates at neap	041 342 309 293 275 264	1.0 0.4 1.0 0.4 1.5 0.6 1.6 0.8 2.6 1.1 2.0 0.9	350 326 313 304 293 266	1.0 0.4 1.6 0.7 1.9 0.9 2.0 0.9 1.6 0.7 1.1 0.5	039 303 296 288 384 282	0.8 0.5 2.0 1.3 3.3 1.6 3.8 1.7 3.4 1.7 2.5 1.0	201 298 304 308 309 307	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	+1 +2 +3 +4 +5 +6

5604_7 Tidal Streams referred to HW at SAINT HELIER

Hours		ographical Position	$\langle \! \! \diamond \! \! \rangle$	49°44′5 N 2 11·9W	够	49°44'1N 2 18·8W	\diamond	49°43'2 N 2 15∙0W	\diamond	49°41'2N 2 14·6W	
High Water	ams (degrees)	tides (knots) ides (knots)	267 275 269 271 067 075	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	218 210 207 202 072 051	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	227 222 223 170 051 041	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	234 186 100 078 062 054	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-6 -5 -4 -3 -2 -1
High Water	stre	ap t	091	3.1 1.4	024	5.5 2.3	047	5.5 2.2	047	1.7 0.7	0
High Water	Directions of	Rates at spr Rates at ne	267 287 285 273 259 264	$\begin{array}{cccc} 0.3 & 0.2 \\ 1.9 & 0.8 \\ 2.3 & 1.0 \\ 3.3 & 1.5 \\ 3.1 & 1.4 \\ 3.2 & 1.4 \end{array}$	018 018 014 186 201 214	$\begin{array}{ccccccc} 4\cdot 8 & 2\cdot 0 \\ 3\cdot 4 & 1\cdot 4 \\ 1\cdot 9 & 0\cdot 8 \\ 0\cdot 6 & 0\cdot 2 \\ 2\cdot 8 & 1\cdot 1 \\ 4\cdot 3 & 1\cdot 7 \end{array}$	038 037 041 164 231 229	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	020 354 278 252 250 239	$\begin{array}{cccc} 1 \cdot 2 & 0 \cdot 5 \\ 0 \cdot 5 & 0 \cdot 2 \\ 0 \cdot 5 & 0 \cdot 2 \\ 1 \cdot 7 & 0 \cdot 7 \\ 3 \cdot 1 & 1 \cdot 2 \\ 2 \cdot 9 & 1 \cdot 2 \end{array}$	+1 +2 +3 +4 +5 +6

5	6	0	4	9

Tidal Streams referred to HW at SAINT HELIER

Hours	\diamond°	eographica Position		49°30'7 N 2 44·1W	₿	49°24'6N 2 43·2W	\diamond	49°32'3N 2 32·1W	\Diamond	49°23'9N 2 31.6W	¢	49°28'6 N 2 29·8W	¢	49°26'4N 2 26·4W	Ø	49°27'2 N 2 24·7W	
Before High Water	ms (degrees)	des (knots) des (knots)	228 219 212 185 080	$\begin{array}{c} 3.8 & 1.5 \\ 4.3 & 1.7 \\ 3.2 & 1.3 \\ 1.1 & 0.5 \\ 1.0 & 0.4 \\ 2.0 & 0.8 \end{array}$	140 148 145 140 138	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	205 160 120 118 108	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	234 090 064 066 070	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	213 213 213 213 033	$5 \cdot 1 2 \cdot 2 4 \cdot 1 1 \cdot 8 2 \cdot 7 1 \cdot 2 1 \cdot 2 0 \cdot 5 1 \cdot 2 0 \cdot 5 3 \cdot 9 1 \cdot 7 $	212 214 213 353 049	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	218 218 213 116 048 039	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	-6 -5 -4 -3 -2 -1
High Water	strea	ing ti ap tic	047	2.6 1.0	080	0.4 0.2	080	1.6 0.7	070	1.8 0.7	033	5.2 2.2	040	4.9 2.0	030	4.9 2.2	0
Water	tions of	es at spr es at ne	040 030 010	3·3 1·3 2·6 1·1 1·3 0·5	342 323 306	1.5 0.6 2.4 1.0 2.8 1.1	015 290 235	0.4 0.2 0.3 0.1 1.5 0.7	067 240	1.0 0.4 0.0 0.0 0.6 0.3	033 033 033	4.9 2.1 3.3 1.4 1.5 0.5	034 040 022	4.0 1.6 2.2 0.9 0.9 0.4	030 027 014	3·3 1·5 2·2 1·0 0·9 0·4	+1 +2 +3
High Af	Direct	Rate Rati	285 245 230	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	289 265 250	3.0 1.2 3.0 1.2 1.3 0.5	242 250 223	2·8 1·2 2·8 1·2 1·6 0·7	240 238 235	1.7 0.7 2.4 1.0 1.7 0.7	213 213 213	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	234 213 214	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	225 215 215	0.9 0.4 3.2 1.4 4.8 2.1	+4 +5 +6

5604_10_Tidal Streams referred to HW at SAINT HELIER

Hours	\diamond	eogra Posit	phical ion	\bigotimes	49°27 2 31	4 N 5 W	够	49°28 2 29	3'6 N 9∙8W	\diamond	49°20 2 20	64 N 6∙4W	
After High Water 9 2 4 2 1 1 2 2 4 9 9 9 9 4 9 2 9	Directions of streams (degrees)	Rates at spring tides (knots)	Rates at neap tides (knots)	186 347 348 349 354 002 020 175 175 178 184	0.3 (0.0 (0.2 (0.3 (0.4 (0.6 (0.8 (0.2 (0.3 (0.3 (0.6 (0.8 (0.8 (0.8 (0.8 (0.8 (0.8 (0.8 (0.6 (0.8 (0.6 (0.8 (0.6 (0.2 (0.2 (0.1 (0.2 (0.2 (0.2 (0.2 (0.2 (0.3 (0.4 (0.2 (0.4 (0.4))))))))))))))))))))))))))))))))))))	D·1 D·0 D·1 D·2 D·3 D·3 D·3 D·3 D·1 D·1 D·1 D·3 D·3 D·3 D·3	213 213 213 033 033 033 033 033 033 213 213 213	$\begin{array}{c} 5\cdot 1 \\ 4\cdot 1 \\ 2\cdot 7 \\ 1\cdot 2 \\ 3\cdot 9 \\ 5\cdot 2 \\ 4\cdot 9 \\ 3\cdot 3 \\ 1\cdot 5 \\ 1\cdot 3 \\ 4\cdot 0 \\ 5\cdot 2 \end{array}$	$2 \cdot 2$ $1 \cdot 8$ $1 \cdot 2$ $0 \cdot 5$ $1 \cdot 7$ $2 \cdot 2$ $2 \cdot 1$ $1 \cdot 4$ $0 \cdot 5$ $0 \cdot 5$ $1 \cdot 7$ $2 \cdot 2$	212 214 213 353 049 045 040 034 040 022 234 213 214	$5 \cdot 4 5 \cdot 0 3 \cdot 1 0 \cdot 2 3 \cdot 9 4 \cdot 8 4 \cdot 9 4 \cdot 0 2 \cdot 2 0 \cdot 9 0 \cdot 7 2 \cdot 4 5 \cdot 0 $	$\begin{array}{c} 2 \cdot 2 \\ 2 \cdot 1 \\ 1 \cdot 3 \\ 0 \cdot 1 \\ 1 \cdot 6 \\ 2 \cdot 0 \\ 2 \cdot 0 \\ 1 \cdot 6 \\ 0 \cdot 9 \\ 0 \cdot 4 \\ 0 \cdot 3 \\ 1 \cdot 0 \\ 2 \cdot 1 \end{array}$	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

The information at position A only reflects the Tidal Streams in the immediate area and not those experienced between Saint Peter Port pier heads or in Little Russel.

5604_12 Tidal Streams referred to HW at SAINT HELIER

Hours	\diamond	Geographical Position	\bigotimes	49°26'4N 2 26·4W	₿	49°27'2N 2 24·7W	Ø	49°25′5 N 2 20·6W	
High Water Before 1 2 9 9 9 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1	ams (degrees)	tides (knots) tides (knots)	212 214 213 353 049 045	$\begin{array}{ccccc} 5\cdot 4 & 2\cdot 2 \\ 5\cdot 0 & 2\cdot 1 \\ 3\cdot 1 & 1\cdot 3 \\ 0\cdot 2 & 0\cdot 1 \\ 3\cdot 9 & 1\cdot 6 \\ 4\cdot 8 & 2\cdot 0 \end{array}$	218 218 213 116 048 039	$\begin{array}{ccccc} 5 \cdot 0 & 2 \cdot 2 \\ 4 \cdot 0 & 1 \cdot 8 \\ 2 \cdot 4 & 1 \cdot 0 \\ 0 \cdot 4 & 0 \cdot 2 \\ 2 \cdot 7 & 1 \cdot 2 \\ 4 \cdot 8 & 2 \cdot 1 \end{array}$	101 107 212 018 026 018	$\begin{array}{cccc} 0.7 & 0.3 \\ 0.5 & 0.2 \\ 0.8 & 0.3 \\ 0.5 & 0.2 \\ 1.1 & 0.4 \\ 2.5 & 1.0 \end{array}$	-6 -5 -4 -3 -2 -1
High Water	stre	ap t	040	4.9 2.0	030	4.9 2.2	004	1.9 0.8	0
High Water	Directions of	Rates at spr Rates at ne	034 040 022 234 213 214	$\begin{array}{cccc} 4 \cdot 0 & 1 \cdot 6 \\ 2 \cdot 2 & 0 \cdot 9 \\ 0 \cdot 9 & 0 \cdot 4 \\ 0 \cdot 7 & 0 \cdot 3 \\ 2 \cdot 4 & 1 \cdot 0 \\ 5 \cdot 0 & 2 \cdot 1 \end{array}$	030 027 014 225 215 215	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	034 033 353 212 199 160	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	+1 +2 +3 +4 +5 +6

5604_13

Tidal Streams referred to HW at SAINT HELIER

Hours	\diamond°	Geographical Position	\diamond	49°09'2 N 2 18∙2W	$\langle \! \! \! \! \! \! \! \! \rangle$	49°17'0N 2 16·7W	\diamond	49°15'7 N 2 03·0W	\diamond	49°14'1 N 1 57·4W	¢	49°07'9 N 1 57∙3W	¢	49°11'9 N 1 56·1W	r
High Mater Before B 2 P 2 C 1 C 2 C P 2 O C C 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)	163 144 140 137 131 095 004 333 324 310 300 290 265	$\begin{array}{c} 0.5 & 0.2 \\ 1.9 & 0.8 \\ 3.6 & 1.5 \\ 3.4 & 1.4 \\ 2.3 & 0.9 \\ 0.9 & 0.4 \\ 0.8 & 0.3 \\ 2.0 & 0.8 \\ 2.6 & 1.1 \\ 3.5 & 1.4 \\ 2.4 & 1.0 \\ 1.6 & 0.7 \\ 0.5 & 0.2 \end{array}$	225 217 205 150 077 052 045 052 037 030 230 225 225	$\begin{array}{c} 2 \cdot 4 & 1 \cdot 0 \\ 2 \cdot 1 & 0 \cdot 9 \\ 1 \cdot 3 & 0 \cdot 5 \\ 0 \cdot 6 & 0 \cdot 2 \\ 1 \cdot 2 & 0 \cdot 5 \\ 1 \cdot 6 & 0 \cdot 7 \\ 3 \cdot 6 & 1 \cdot 5 \\ 3 \cdot 5 & 1 \cdot 4 \\ 2 \cdot 3 & 0 \cdot 9 \\ 1 \cdot 0 & 0 \cdot 4 \\ 0 \cdot 4 & 0 \cdot 2 \\ 1 \cdot 5 & 0 \cdot 6 \\ 2 \cdot 4 & 1 \cdot 0 \end{array}$	276 126 121 124 130 129 325 320 311 301 296 293 280	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	130 119 117 113 095 060 350 341 332 324 314 292 230	$\begin{array}{c} 0.8 & 0.3 \\ 0.8 & 0.3 \\ 2.0 & 0.8 \\ 3.4 & 1.4 \\ 4.5 & 1.8 \\ 3.0 & 1.2 \\ 0.7 & 0.3 \\ 2.0 & 0.8 \\ 3.2 & 1.3 \\ 3.6 & 1.5 \\ 3.0 & 1.2 \\ 1.9 & 0.8 \\ 1.0 & 0.4 \\ 0.2 & 0.1 \end{array}$	205 165 125 100 076 058 020 015 353 330 256 222 209	$\begin{array}{c} 2\cdot 5 & 1\cdot 0\\ 2\cdot 6 & 1\cdot 1\\ 3\cdot 0 & 1\cdot 2\\ 3\cdot 2 & 1\cdot 3\\ 3\cdot 5 & 1\cdot 4\\ 2\cdot 8 & 1\cdot 2\\ 2\cdot 5 & 1\cdot 0\\ 3\cdot 1 & 1\cdot 3\\ 0\cdot 8 & 0\cdot 3\\ 0\cdot 8 & 0\cdot 3\\ 1\cdot 8 & 0\cdot 7\\ 2\cdot 5 & 1\cdot 0\\ 2\cdot 5 & 1\cdot 0\\ 2\cdot 5 & 1\cdot 0\end{array}$	178 159 152 145 134 090 344 335 327 318 312 292 191	$\begin{array}{c} 0.7 & 0.3 \\ 1.4 & 0.7 \\ 2.1 & 1.0 \\ 2.4 & 1.1 \\ 1.7 & 0.8 \\ 0.6 & 0.2 \\ 1.3 & 0.6 \\ 2.1 & 1.0 \\ 2.1 & 1.0 \\ 2.1 & 1.0 \\ 1.8 & 0.9 \\ 1.2 & 0.6 \\ 0.6 & 0.2 \\ 0.4 & 0.2 \end{array}$	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

5604_14	
Tistal Otara and a	

Tidal Streams referred to HW at

JAINT HELIER											
Hours	\diamond°	eographical Position	\bigotimes	49°10'1 N 2 08·7W							
After High Water Before 9 2 4 2 7 1 1 2 2 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Directions of streams (degrees)	Rates at spring tides (knots) Rates at neap tides (knots)	088 053 065 057 016 283 266 271 250 265 273	$\begin{array}{cccc} 0.0 & 0.0 \\ 0.5 & 0.2 \\ 1.3 & 0.5 \\ 1.9 & 0.8 \\ 1.0 & 0.4 \\ 0.3 & 0.1 \\ 0.5 & 0.2 \\ 0.6 & 0.3 \\ 0.8 & 0.3 \\ 0.4 & 0.2 \\ 0.3 & 0.1 \\ 0.3 & 0.1 \\ 0.0 & 0.0 \end{array}$	-6 -5 -4 -3 -2 -1 0 +1 +2 +3 +4 +5 +6						

5604_15© Tidal Streams referred to HW at

SAINT HELIER

SAINT HELIER									
Hours	\diamond	Geograp Positi	ohical on	$\langle \! \diamond \! \rangle$	49°19 1 5	9°1 N 6∙8W	B	49°1; 1 5;	3'1 N 3·0W
High Water & Before 9 G P & 0 D a g I C C P G P G P	Directions of streams (degrees)	Rates at spring tides (knots)	Rates at neap tides (knots)	183 154 141 139 140 090 327 326 330 328 323 299 202	$\begin{array}{c} 0.6\\ 0.9\\ 1.8\\ 2.3\\ 1.4\\ 0.2\\ 1.2\\ 1.2\\ 1.0\\ 0.8\\ 0.4\\ 0.3\end{array}$	$\begin{array}{c} 0 \cdot 2 \\ 0 \cdot 4 \\ 0 \cdot 8 \\ 1 \cdot 0 \\ 0 \cdot 7 \\ 0 \cdot 1 \\ 0 \cdot 6 \\ 0 \cdot 6 \\ 0 \cdot 8 \\ 0 \cdot 6 \\ 0 \cdot 4 \\ 0 \cdot 3 \\ 0 \cdot 2 \\ 0 \cdot 1 \end{array}$	155 155 155 149 355 327 327 327 327 327 327 155	$\begin{array}{c} 1.5\\ 2.6\\ 3.2\\ 3.3\\ 1.9\\ 0.3\\ 2.2\\ 3.0\\ 2.3\\ 1.4\\ 0.0\\ 1.1\end{array}$	$\begin{array}{c} 0.6 \\ 1.0 \\ 1.3 \\ 0.8 \\ 0.1 \\ 0.9 \\ 1.3 \\ 1.2 \\ 0.9 \\ 0.6 \\ 0.0 \\ 0.4 \end{array}$

5617_11 Tidal Streams referred to HW at SAINT HELIER

Hours	\diamond	eographical Position	\diamond	49°27'4 N 2 31·5W							
High Water	streams (degrees)	ing tides (knots) ap tides (knots)	186 347 347 348 349 354	0.3 0.1 0.0 0.0 0.2 0.1 0.3 0.1 0.4 0.2 0.6 0.3 0.8 0.3	-6 -5 -4 -3 -2 -1 0						
High Water	Directions of	Rates at spr Rates at new	002 020 175 175 178 184	0.8 0.3 0.2 0.1 0.3 0.1 0.6 0.3 0.8 0.3 0.6 0.3	+1 +2 +3 +4 +5 +6						

The information in this position only reflects the Tidal Streams in the immediate area and not those experienced between Saint Peter Port pier heads or in Little Russel.

5604_16 Tidal Streams referred to HW at SAINT HELIER

Hours	\diamond°	eograph Positior	ical 🔗	> 49°14'1 N 1 57∙4W	(B)	49°11'9N 1 56-1W	\diamond	49°07'9N 1 57·3W	
After High Water 9 2 7 8 2 1 High Water 1 2 8 9 9 High Water 1 2 8 9 9 High Water	Directions of streams (degrees)	Rates at spring tides (knots)	13 11 11 11 11 11 11 09 06 35 34 33 32 31 29 23	0 0.8 0.3 9 2.0 0.8 7 3.4 1.4 3 5 3.0 1.2 0 0.7 0.3 1 3.2 1.3 2 3.6 1.5 4 1.9 0.8 4 1.9 0.4 2 1.0 0.2 0 0.2 0.12 4 1.9 0.4 1 0.2 0.1	178 159 152 145 134 090 344 335 327 318 312 292 191	$ \begin{array}{cccccc} 0.7 & 0.3 \\ 1.4 & 0.7 \\ 2.1 & 1.0 \\ 2.4 & 1.1 \\ 1.7 & 0.8 \\ 0.6 & 0.2 \\ 1.3 & 0.6 \\ 2.1 & 1.0 \\ 2.1 & 1.0 \\ 1.8 & 0.9 \\ 1.2 & 0.6 \\ 0.6 & 0.2 \\ 0.4 & 0.2 \\ \end{array} $	205 165 125 100 076 058 020 015 353 330 256 222 209	$\begin{array}{ccccccc} 2\cdot 5 & 1\cdot 0 \\ 2\cdot 6 & 1\cdot 1 \\ 3\cdot 0 & 1\cdot 2 \\ 3\cdot 2 & 1\cdot 3 \\ 3\cdot 5 & 1\cdot 4 \\ 2\cdot 8 & 1\cdot 2 \\ 2\cdot 5 & 1\cdot 0 \\ 3\cdot 1 & 1\cdot 3 \\ 0\cdot 8 & 0\cdot 3 \\ 0\cdot 8 & 0\cdot 3 \\ 1\cdot 8 & 0\cdot 7 \\ 2\cdot 5 & 1\cdot 0 \\ 2\cdot 5 & 1\cdot 0 \end{array}$	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

5604_17© Tidal Streams referred to HW at

		SAINT HE	LIER		
Hours	\diamond	eographical Position	\bigotimes	49°01'9N 2 07·1W	
After & Before High Water & High Water 9 2 8 8 7 1 a High Water	Directions of streams (degrees)	Rates at spring tides (knots) Rates at neap tides (knots)	267 155 106 105 104 081 303 295 287 282 278 272	$\begin{array}{cccccccc} 1 \cdot 2 & 0 \cdot 6 \\ 0 \cdot 4 & 0 \cdot 2 \\ 2 \cdot 5 & 1 \cdot 1 \\ 3 \cdot 9 & 1 \cdot 8 \\ 3 \cdot 5 & 1 \cdot 5 \\ 2 \cdot 0 & 0 \cdot 9 \\ 0 \cdot 4 & 0 \cdot 2 \\ 1 \cdot 2 & 0 \cdot 6 \\ 2 \cdot 3 & 1 \cdot 1 \\ 2 \cdot 6 & 1 \cdot 2 \\ 2 \cdot 8 & 1 \cdot 2 \\ 2 \cdot 4 & 1 \cdot 2 \\ 1 \cdot 7 & 0 \cdot 7 \end{array}$	$ \begin{array}{r} -6 \\ -5 \\ -4 \\ -3 \\ -2 \\ -1 \\ 0 \\ +1 \\ +2 \\ +3 \\ +4 \\ +5 \\ +6 \\ \end{array} $

TIME & HEIGHT DIFFERENCES FOR PREDICTING THE TIDE AT SECONDARY PORTS

PLACE	Lat N	Long W	High	TIME DIFF Water	FERENCI Low	ES Water	HEIGHT MHWS	DIFFERE MHWN	NCES (IN MLWN	METRES) MLWS		
Channel Islands			Zone	UT(GMT))							
ST. HELIER	49° 11'	2° 07'	0300 and 1500	0900 and 2100	0200 and 1400	0900 and 2100	11.0	8.1	4.0	1.4		
Alderney BRAYE	49 43	2 12		STANDA	RD POR	Т	See Table of	f NON-REFERI	ENCE STAND	ARD PORTS		
Sark Maseline Pier	49 26	2 21	+0005	+0015	+0005	+0010	- 2.1	- 1.5	- 0.6	- 0.3		
Jersey St. Catherine Bay Bouley Bay	49 13 49 15	2 01 2 05	+0000 +0002	+0010 +0002	+0010 +0004	+0010 +0004	0.0 - 0.3	- 0.1 - 0.3	0.0 - 0.1	+0.1 -0.1		
Guernsey ST. PETER PORT	49 27	2 32		STANDA	RD POR	Т	See Table of NON-REFERENCE STANDARD PORTS					
Les Écréhou	49 17 48 57	1 56 2 08	+0005 - 0014	+0009 - 0018	+0011 - 0001	+0009 - 0008	- 0.2 +0.5	+0.1 +0.6	- 0.2 +0.1	0.0 +0.1		
France				Zone	- 0100							
CHERBOURG	49 39	1 38	0300 and 1500	1000 and 2200	0400 and 1600	1000 and 2200	6.4	5.1	2.6	1.1		
Omonville	49 43 49 43	1 50 1 57	- 0015 - 0100	- 0010 - 0040	- 0015 - 0105	- 0015 - 0120	- 0.1 +1.7	0.0 +1.6	0.0 +0.9	0.0 +0.2		
SAINT-MALO	48 38	2 02	0300 and 1300	0900 and 2000	0200 and 1500	0900 and 2000	12.2	9.2	4.4	1.5		
Les Ardentes Iles Chausey (Grande Ile) Dielette Carteret Portbail	48 58 48 52 49 33 49 22 49 18	1 52 1 49 1 52 1 47 1 45	+0010 +0005 +0045 +0030 +0030	+0010 +0005 +0035 +0020 +0025	+0020 +0015 +0020 +0015 +0025	+0010 +0015 +0035 +0030 +0030	0.0 +0.8 - 2.5 - 1.6 - 0.8	0.0 +0.8 - 1.8 - 1.1 - 0.5	- 0.2 +0.5 - 0.9 - 0.9 - 0.4	- 0.1 +0.3 - 0.3 - 0.3 - 0.1		
St. Germain sur Ay Le Senequet Regneville sur Mer Granville Cancale	49 14 49 05 49 01 48 50 48 40	1 36 1 40 1 33 1 36 1 51	+0025 +0015 +0010 +0010 +0000	+0025 +0015 +0010 +0005 +0000	+0035 +0025 +0030 +0025 +0010	+0035 +0025 +0020 +0015 +0010	- 0.7 - 0.3 +0.5 +0.7 +0.8	- 0.4 - 0.2 +0.5 +0.5 +0.7	- 0.2 - 0.1 0.0 +0.1 +0.1	+0.1 +0.1 0.0 0.0 +0.1		
Saint-Briac-sur-Mer Ile des Hebihens Saint-Cast-Le-Guildo Erquy Dahouet	48 37 48 37 48 38 48 38 48 35	2 08 2 11 2 15 2 28 2 34	+0000 +0000 +0000 +0000 - 0005	+0000 +0000 +0000 - 0005 +0000	- 0005 - 0005 - 0005 - 0020 - 0025	- 0005 - 0005 - 0005 - 0010 - 0010	- 0.2 - 0.2 - 0.2 - 0.6 - 0.9	- 0.1 - 0.1 - 0.1 - 0.4 - 0.6	- 0.2 - 0.3 - 0.3 - 0.2 - 0.4	0.0 - 0.1 - 0.1 0.0 - 0.2		
Le Legue (Buoy) Binic Saint-Brieuc Le Legue Saint-Quay-Portieux Paimpol	48 34 48 36 48 32 48 38 48 47	2 41 2 49 2 44 2 49 3 02	- 0010 - 0005 © - 0010 - 0010	- 0005 - 0005 © - 0010 - 0005	- 0020 - 0025 © - 0030 - 0035	- 0015 - 0015 © - 0010 - 0025	- 0.8 - 0.8 - 0.7 - 1.0 - 1.4	- 0.4 - 0.6 - 0.3 - 0.6 - 0.8	- 0.4 - 0.4 - 0.3 - 0.4 - 0.6	- 0.1 - 0.2 - 0.1 - 0.1 - 0.1		
III de Brehat (Port Clos) Les Roches Douvres Les Heaux de Brehat	48 51 49 06 48 55	3 00 2 49 3 05	- 0015 - 0005 - 0015	- 0005 +0005 - 0010	- 0040 - 0020 - 0100	- 0030 - 0040 - 0045	- 1.8 - 2.4 - 2.4	- 1.2 - 1.6 - 1.6	- 0.6 - 0.9 - 0.8	- 0.2 - 0.2 - 0.2		

No data

Non-Reference Standard Ports										
STANDARD PORT	MHWS	MHWN	MLWN	MLWS						
BRAYE	6.2	4.7	2.5	0.9						
ST. PETER PORT	9.3	7.0	3.6	1.4						

Tidal Curve Diagrams







Tidal stream diagrams for each hour of the tide around Alderney and the Casquets (see 5604_7)

The figures show the mean neap and mean spring rates of the tidal stream in tenths of a knot. The arrows have been graded in length and weight approximately to indicate the rates of the stream. Further information is contained in the Tidal Stream Atlas (NP264).



