

Aberdeen

Aberdeen MRCC Local Knowledge Examination Questions

Section 1 Area SAR Units	
1	How many Coastguard Helicopters are situated within SCOTNI Region and where are they based?
2	What type of helicopters are they and what are their states of readiness?
3	What is the declared time frame for the scramble of a Nimrod MPA?
4	What advantages do the new S-92 Helo's have over their predecessors? List as many as you can.
Section 2 SAR Units Adjacent MRCC's	
1	Name the flank RNLI lifeboat stations to Aberdeen District
2	What type of lifeboats are they and who would we contact to request their launch?
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Section 3 Sectors	
1	List the Sector Managers within Aberdeen District and where they are based.
2	List the Coastguard Rescue Teams within the District and whether they are a CRT or CRT (I).
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Section 4 Other Authorities, Orgs.	
2	Who would we contact to request the use of the Ekofisk helicopter?
2	How many tugs are owned by Orkney Towage, name them and state who we would contact to request their assistance?
3	What does DECC stand for?
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Section 5 Danger Areas	
1	Name the tidal race which crosses the Pentland Firth and from which two points of land does it stretch between?
2	Which beach is closed to the public due to contamination by nuclear particles from Dounreay and who would you contact if access was required during an incident?
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Section 6 Potential Incidents	
1	Which well known suicide spots are near Wick, Inverness, Cruden Bay and the Firth of Forth?
2	Which popular dive club is based in Findhorn? What is the name of their dive vessel and to which four wrecks do they most commonly dive?
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Section 7 Waterborne Activity	
1	Commercial fishing is one of the main economic mainstays of the District. A large

	number of fishing vessels transit the District on a daily basis as four of the largest fishing ports in the UK are based within the District. Name the ports and put them in order of largest first.
2	
3	Where in the district would you expect the following activities to take place on a regular basis? Hint: where have incidents involving them taken place?) Surfing Windsurfing Jetski-ing Coasteering Kitesurfing Kayaking/Canoeing
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Section 8 Additional Facilities	
1	What is the boundary between Grampian Police and Northern Constabulary?
2	If we required an interpreter to talk to a foreign vessel, who would we contact?
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Section 9 Major Incident Plan	
1	Where is the East SCOTNI Major Incident Plan Held
2	What is held in section A and Section B
3	Who holds copies
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Section 10 Pollution	
1	Where is the "Northern Stockpile" of counter pollution equipment located?
2	Which authority is responsible in Scotland for testing the bathing water quality of beaches?
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Section 11 Radio Coverage	
1	With which two aerials could we monitor the Pentland Firth?
2	Which aerial would be selected if you would like to talk to a vessel in Aberdour Bay?
3	Where are the known VHF blackspots in the District?
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Section 12 Receiver of Wreck	
1	What are the penalties for failing to report wreck?
2	What is the difference between a vessel wreck if it is designated as a Protected Place or a Controlled site?
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Section 13 Charts Publications	
1	Which volume of CG3 would you check to find out details of the MCA Enforcement Branch?
2	Which publication is used to provide ways and means of communication in situations related to safety of navigation and persons, especially when language difficulties arise?
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Section 14 Towage	

1	Under the Coastguard Agreement for Salvage and Towage (CAST) only one tug in the Aberdeen District is currently subscribed to the agreement – what is the name of the tug and who owns it?
2	Who has the authority to task a CAST vessel?
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Section 15 Control of Air Space	
1	How are Temporary Danger Areas (TDA) established?
2	How are Temporary Restrictions of Flying Regulations (TRFR) established?
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Section 16 Offshore	
1	How many offshore helicopters are available for use during SAR operations, where are they based and what type of helicopter are they.
2	. When obtaining details from an offshore installation which has gone to muster and you are informed the standby vessel is the Caledonian Vanguard, Caledonian Vision, Caledonian Vigilance or Caledonian Victory, what further piece of information should you obtain regarding the vessel? Apart from the installation where could you obtain this information?
3	What is the purpose of supplying an installation with the VISION incident number during an oil-related incident?
4	What is the difference between LOG and TRAFFIC, when talking about installation radio frequencies?
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Aberdeen MRCC Local Knowledge Examination Answers

Section 1 Area SAR Units	
1	Two – Sumburgh Airport, Shetland and Stornoway Airport, Isle of Lewis.
2	Both helicopters are Sikorsky S61N (to be replaced in October 2007 by Sikorsky S92). The helicopters are at 15 minutes readiness between 0730 and 2100, and at 45 minutes between 2100 and 0730
3	2 hours
4	Increased transit speed, higher endurance/longer range, viewable on AIS, direct SATCOMMS, accessible rear ramp.
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Section 2 SAR Units Adjacent MRCC's	
1	Lochinver, Longhope and Montrose
2	Lochinver – Severn (MRCC Stornoway), Longhope – Tamar (MRCC Shetland), Montrose – Tyne and D Class RIB (MRCC Forth).
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Section 3 Sectors	
1	Wick Sector – xxxxx (Wick), Dornoch Sector – xxxxx (Dornoch), Inverness Sector – xxxxx (Inverness), Moray Sector – xxxxx (Buckie), Buchan Sector – xxxxx (Peterhead).
2	CRT – Durness, Melness, Melvich, Scrabster, Duncansby, Wick, Helmsdale, Dornoch, Cromarty, Inverness, Burghead, Buckie, Banff, Gardenstown, Cruden Bay, Aberdeen. CRT(I) – Dunnet, Dunbeath, Portmahomack, Invergordon, Fortrose, Loch Ness, Fort Augustus, Nairn, Gordonstoun, Lossiemouth, Portsoy, Fraserburgh, Peterhead, Collieston, Newburgh, Portlethen.
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Section 4 Other Authorities, Orgs.	
2	JRCC Stavanger.
2	Three - Einar, Erland and Harald. Contact would be through Orkney Harbour Radio which is manned 24 hours a day.
3	Dept. of Energy and Climate Change
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Section 5 Danger Areas	
1	The Merry Men of Mey. It stretches between St John's Point on the mainland of Scotland to Tor Ness on the Orkney Island of Hoy.
2	Sandside Beach in Caithness. The owner Geoffrey Minter would have to be contacted in order to get permission to access the beach.
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Section 6 Potential Incidents	
1	The Old Man of Wick, Kessock Bridge, the Bullars of Buchan, Forth Road Bridge
2	Moray Diving. Their dive boat is called the MV Top Cat. Their most popular dives are the Verona, the San Tiburcio, the submarine Tantivy and a Valentine Tank.
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Section 7 Waterborne Activity	
1	Peterhead, Fraserburgh, Aberdeen, Scrabster
2	
3	Surfing Dunnet Bay/Thurso, Aberdeen Bay Windsurfing Aberdeen Bay, Findhorn Bay, St Combs to Rosehearty area Jetski-ing Aberdeen Bay, Banff-Buckie coast, Peterhead Lido Coasteering Cove-Aberdeen Coast Kitesurfing Aberdeen Bay Kayaking/Canoeing Inner Moray Firth, Aberdeen Bay, North Coast.
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Section 8 Additional Facilities	
1	Macbeth's Hillock, approximately 4.5 miles east of Nairn on the A96.
2	The National Interpreting Service on 0800 028 0073. (CG3, Volume 1, Chapter 5, Section 7, Annex B)
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Section 9 Major Incident Plan	
1	East SCOTNI Major Incident Plan is held on the SCOTNI M-Net microsite.
2	It is in two sections - Section A provides a brief overview of the MCA's national policy and procedures as regards major incident planning. It is intended for use by MCA staff and by other responders. The annexes to section A contain contact details, glossary of terms and abbreviations and a chartlet showing the UK SRR. Section B give further details and are primarily intended for use by MCA staff. Copies are held at MRCCs, the MEIR at MCA HQ and by key response staff.
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Section 10 Pollution	
1	Inverness.
2	The Scottish Environmental Protection Agency (SEPA).
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Section 11 Radio Coverage	
1	Dunnet Head and Widedford Hill (Orkney).
2	Windyhead.
3	Buckie to Lossiemouth area Beaully Firth, Eastern Moray coastline (Pennan, Cullen, Gardenstown) – especially channel 0 Newtonhill/Muchalls – especially channel 0
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Section 12 Receiver of Wreck	
1	Finders who do not report their finds are liable to pay a fine up to £2,500, lose their salvage rights and have to pay the person entitled to the find twice the value of the find
2	If the wreck is designated as a Protected Place, divers may visit the site but are not allowed to touch anything. If the wreck is a Controlled Site, divers are prohibited.
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Section 13 Charts Publications	
1	CG3 Volume 9. The Marine Enforcement Manual.
2	The International Code of Signals
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Section 14 Towage	
1	The tug Dierdre which is owned by Targe Towing Ltd.
2	The duty CPSO (usually in consultation with SOSREP) would task a CAST vessel. However, the duty National SAR Officer could also be involved and may approve tasking especially if the vessel is required for lifesaving purposes
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Section 15 Control of Air Space	
1	When a restriction to flying over an area is assessed to be required the SMC, in consultation with the DAO and the DNSARO, can ask for a TDA to be established. This is done through the Military Aeronautical Information Service at West Drayton informing him of the nature of the incident, the lat and long with a horizontal and vertical dimension in nautical miles and feet respectively and the name and telephone number of the co-ordinating MRCC. In practice if a TDA is required ask ARCC Kinloss to do it in our behalf.
2	Temporary Restrictions of Flying Regulations (TRFR) are established in the same manner but it should be noted that in a major incident it may be deemed appropriate to request a TRFR from the outset. Another point worth noting is that a TDA is mandatory for military aircraft but not civilian aircraft and yet the opposite is true for a TRFR. During a major incident in which you are trying to restrict aircraft from entering an area ie. news helicopters trying to get video footage of an incident, only a TRFR would prevent this from happening.
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Section 16 Offshore	
1	It is to be given by the MRCC to the Installation upon request, so that the installation can confirm that it is indeed the MRCC calling them .
2	LOG = Logistics. The platforms individual frequency TRAFFIC is the local field/area frequency that several neighboring installations may be using.
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Belfast

BELFAST DISTRICT

LOCAL KNOWLEDGE TEST 2009 – 2011

IAW CG3 VOL 1 CHAPTER 2 SECTION 10

GENERAL SECTION : 25 questions, 2 marks per question

Label the 4 attached maps (50 marks)

NOTE :

THIS PAPER INCLUDES SOME SIMPLE GENERAL KNOWLEDGE QUESTIONS BASED ON THE GEOGRAPHY OF THE CLYDE DISTRICT

1. Is Glenarm marina a) accessible at all states of the tide
YES
 b) able to be covered by normal VHF
NO, BLACK SPOT FOR BELFAST
2. Where is “Patterson’s Rock” and how is it marked
EAST OF SANDA, DRYING PLATEAU MARKED WITH RED CAN BUOY
3. The “Chain Tower”, where is it located
ENTRANCE TO LARNE PORT, STONE TOWER
4. What is the “Kintyre Express”
PASSENGER RHIB RUNNING BETWEEN TROON AND CAMPLETOWN
5. Is Girvan Harbour a safe haven at all times
NO, UNSAFE 2 HRS EITHER SIDE LW AND IN WESTERLY WINDS
6. Where is “Port Dandy”
COPELAND ISLAND, POPULAR BAY FOR PLEASURE BOATS
7. What is the name of the Magilligan / Greencastle ferry
FOYLE VENTURE
8. Is there a public slipway at Carnfunnock
YES, CARPARK AND BOATHOUSE TOO

9. There are 2 "Chapel Islands" in Strangford Lough, where are they
**AT THE TOP OF THE NARROWS OPPOSITE SW OF BALLYHENRY
WEST OF GREABBEY ON THE EASTERN SHORE**
10. There are 2 "Green Islands" in Carlingford Lough, where are they
**AT THE ENTRANCE TO CARLINGFORD LOUGH
JUST NORTH OF THE VICTORIA LOCKS ON THE EASTERN SHORE**
11. What broadcasts do ferries make at the mouth of Loch Ryan
SECURITE BROADCAST FOR VESSEL MOVEMENTS
12. Where is Braddock Reach
AT WHITEROCK, BRADDOCK ISLAND IS JUST OFFSHORE
13. What is the name of the passenger vessel operating in Lough Neagh
MAID OF ANTRIM, OPERATES OUT OF KINNEGO MARINA
14. What is the name of the strand to the east of Portballintrae
BUSHFOOT STRAND
15. Is the Kesh river navigable and if so to where
YES, RIGHT UP TO THE ROAD BRIDGE WHERE THERE IS A WEIR
16. Where is "Pan's Rock"
BALLYCASTLE BEACH
17. Does Portpatrick have Leading Lights
YES, VERY IMPORTANT TO USE TO AVOID GROUNDING
18. Is the Foyle SAR building located above or below the Craigavon Bridge
ABOVE THE CRAIGAVON BRIDGE
19. Larne Port limits extend seaward to which point
HUNTER BUOY
20. Where is "Lobster Rock"
OFF BALLYROBERT, TO THE WEST OF GREY POINT
21. What are the names of the 2 Education Board "Sea Schools"
KILLOWEEN IN CARLINGFORD, SEABOARD IN KILLYLEAGH
22. Where is "Santa's Cottage"
ON THE BACK ROAD BETWEEN ROSTREVOR AND HILLTOWN
23. What is the name of the Cal Mac ferry that runs to Islay
HEBRIDEAN ISLES
24. Name 2 of the "Safe Water" marks found in the district
**FOYLE, S'FORD, CARLINGFORD BELFAST FAIRWAY BUOYS,
SKULLMARTIN BUOY,**

25. Why does Belfast port use Blackhead Lighthouse

LOCATION FOR BELFAST PORT VTS RADAR SCANNER AND VHF AERIAL

26. Using the attached maps, mark the location and label

Map 1 : All the RNLI and Independent Lifeboats

**RNLI : ENNISKILLEN, CARRYBRIDGE, PORTRUSH, REDBAY, LARNE,
BANGOR, DONAGHADEE, PORTAFERRY, NEWCASTLE,
KILKEEL**

**PORTPATRICK, GIRVAN, STRANRAER, ARRAN,
CAMPLETOWN,
ISLAY**

ICG : GREENCASTLE CG

IRB : KINNEGO, ARDBOE, FOYLE SAR,

Map 2 : The CRT's and Sector Bases

**CRT : COLERAINE, BALLYCASTLE, RATHLIN, ERNE, KINNEGO,
LARNE,**

**PORTMUCK, BANGOR, PORTAFERRY, SOUTH DOWN
DRUMORE, PORTAPTRICK, STRANRAER, BALLINTRAE,
GIRVIN,ARRAN. CAMPLETOWN,CARRADALE, SOUTHEND,**

GHIA,

PORT ELLAN, PORT CHARLOTTE, JURA, ARDPTRICK

SB'S : COLERAINE, BANGOR

ICG : GREENCASTLE, GREENORE

Map 3 : The marina's

Map 4 : All commercial ports, main ferry routes, civil and military airports

Brixham

MRSC BRIXHAM

LOCAL KNOWLEDGE TEST
Reference OAN 312 —

Master list of Questions and answers

Section 1

RNLI Lifeboats

1.1 Name RNLI Stations from West to East, describe each class of lifeboat names of the LOMs

Fowey: Trent (crew, speed, endurance, survivor capacity) D Class ILB. Will Mitchell

Crew 6, 25kts/ 250 nm /102.

Looe: Atlantic 75 + D Class ILB (crew, speed, endurance, survivor capacity)

Plymouth: Severn (crew, speed, endurance, survivor capacity)

Crew: 6 Sp : 25KTS Endurance 10 Hrs. Range: 250NM Survivor : 185

Dartmouth D class 2 or 3 crew, 20 kts endurance 3 hrs

Salcombe: Tamar (crew, speed, endurance, survivor capacity) + Atlantic 75..

Crew 6 Sp 25 kts Range 250 NM

Atlantic 75 . 3crew sp 32kts 3 hrs.

Torbay: Severn (crew, speed, endurance, survivor capacity) D Class ILB.

Crew: 6 Sp : 25Kts Endurance 10 Hrs. Range: 250NM Survivor : 185

Teignmouth: Atlantic 85 (crew, speed, endurance, survivor capacity)

Exmouth: Mersey LB (12-21) (crew, speed, endurance, D Class ILB.

Crew: 6 Sp : 16Kts Range: 145 NM

1.1a – A yacht is becalmed and out of fuel and requesting a tow , 10 NM East of Berry Head,

Lifeboat has been requested, what is the permitted response speed or RPM ?

2050 RPM – 20.5 kts

1.1b – A 10m F/V is taking water in Mevagissey Bay, which lifeboat would you task and what speed would you expect the lifeboat to be doing?

Fowey Lifeboat, 25kts.

1.2 What weather / night restrictions apply to the launching of:

a. Atlantic 21/ 75?

F 6/7 night capable (mod-rough).= F5/6

b. D Class?

F 5 limited night capability, 3 crew, F4.

1.2a How frequent must communications safety checks be carried out, ie what are the two categories and their periodicity,

ILB every 15 min. ALB on service every 30 min. ALB on ex, passage or trails: Hourly

1.2b

What are the specification of the Atlantic 85 ?

Length 8.5m

Rigid inflatable B class

Fitted with radar and VHF DF

Daylight force 6/7 night 5/6

Range 3 hours

Max speed 35 knots Crew 3/4

Manually operated self righting mechanism

Can be beached without sustaining damage to engine and steering gear

1.2c

What is the description and purpose of the Teignmouth XP Boat?

Teignmouth XP Boat is a tender with 5HP outboard, intentions is to tow it behind the Atlantic 85 in the river for use in shallow water. C/S Teignmouth X Boat

1 .3 Incident off Babbacombe, which ILB is appropriate?

RNLI Teignmouth (Hopes Nose is rule of thumb response demarcation Teignmouth /

Torbay ILBs)

SAR Helicopters

1 .4 How are military helicopters normally tasked by MRCC Brixham?

Through ARCC Kinloss

1 .5 Which SAR Helicopter Bases serve the Brixham District and give operational readiness times for each.

RNAS Culdrose: — Day 15 minutes readiness

Night 45 minutes readiness

**RAF Chivenor: — Day 15 minutes readiness
Night 45 minutes readiness**

1.6 Where is the local Coastguard helicopter based, how is it tasked and state its operational readiness times?

**Portland
Through ARCC KINLOSS
15 minute readiness daytime only, between 0900 and 2100 daily**

What is the normal SAR callsign for the Portland CG helicopter?

**Rescue Helicopter 106 / rescue 106, non- SAR: Coastguard Helicopter 106 / CG
106**

1.7 What type of SAR helicopter is based at RNAS Culdrose?

Westland Seaking HAR MK 5.

What is the SAR callsign of the Culdrose Helicopter?

Rescue 193 / 194

1.8 What is the minimum crew compliment for Culdrose SAR helicopter and their roles?

Pilot (normally Captain), Co Pilot, a crewman and Observer / Winch man

1.9 What is the maximum speed/radius of action of Culdrose SAR helicopter?

120 knots /200 NM

1.10 What would you estimate rule of thumb transit time between Culdrose and

Bigbury

Bay if a helicopter flies at 90 knots groundspeed?

35 minutes

1.11 What type of SAR helicopter based at RAF Chivenor?

Westland Seaking HAR MK 3A

1.12 What are the roles of RAF Chivenor SAR helicopter aircrew?

Pilot (Captain), Co Pilot, Radar Operator (also operates winch) and Winchman

1.13 What is the maximum speed/radius of action of RAF Chivenor SAR

helicopter'?

120 knots /280 NM (carries additional fuel tank in belly of fuselage-RN uses this space for dipping sonar).

1.14 What is the normal SAR callsign for the Chivenor helicopter?

Rescue 169

1.15 What special day/night search aids are fitted to RAF helicopters?

b. What emergency winching facilities are provided?

FLIR (Forward looking infra red) is fitted

Emergency electrical winch carried in aircraft. 120ft cable, takes 2-3 minutes to rig.

1.16 What type of helicopter based at Portland?

Agusta Westland AW139.

1.17 What is the speed and endurance of AW139 Max and Cruise

**167 kts Max, endurance 2hrs 20 min max speed
3 hrs 20min best cruise speed.**

1.17 a What is the range

Range 228 Nm

1.18 a What are the roles of Portland CG SAR helicopter aircrew?

Pilot (Captain), Co Pilot, Winch Operator (also operates FLIR) and Winchman

1.19 What is the geographical area of operations for Portland SAR helicopter?

**Start Point to Hengisbury Head:
North of the Channel Median Line.**

1.20 Portland CC helicopter aircrew prefer MRCC to pass search area instructions in a certain format to put in the 3-axis Automatic Flight Control system (AFCS). Give an example of the format.

Creeping Line Ahead

The information they require for a creeping line ahead search is;
1. Lat and Long of the two corners either side of the mid point position.

2. MLA.
3. Creep (Track Spacing).
4. Box width.
5. Box length.

1.21 What is the name of the SW area ETV?

Anglian Princess

Section 2

2.1 List the ALBs and ILB's which flank Brixham District?

Falmouth and Weymouth ALB and ILB, Sidmouth IRB Lyme Regis ILB

Section 3

Brixham District SAR Boundaries

3.1 State the Brixham District Boundaries.

Topsham / Straight Point / 5030N 00300W / Channel Median line / Dodman Point

SE Cornwall Sector

3.2 Name the sector manager.

3.3 What are the geographical boundaries of the SE Cornwall Sector

Dodman Point to River Tamar, West Bank

3.4 Name the CRTs in the SE Cornwall Sector and describe the SAR status of each.

Mevagissey (C), St Austell (C), Polruan (ES), Looe (C), Tamar (C).

3.5 What is the difference between a CRT (C) and CRT (ES)?

(Cliff) is complemented and equipped to search and rescue / recover person from cliff)

(Enhanced Search) slightly smaller complement and less equipment to deploy a team and cliff man to secure— but not recover (cliff team back-up required to effect rescue).

3.6 What are the coastal response areas for the CRTs in SEC Sector?

- **Mevagissey - Dodman Point to Black Head**
- **St Austell - Black Head to River Fowey (West Bank)**
- **Polruan - River Fowey (East Bank) to Downend Point**

- **Looe - Downend Point to Seaton**
- **Tamar - Seaton to River Tamar (West Bank)**

SW Devon Sector

3.7 Name the sector manager.

3.8 What are the geographical boundaries of the SW Devon Sector?

River Tamar, East Bank, to Torcross

3.9 Name the CRTs in the SW Devon Sector and give the SAR status for each.

Plymouth (C), Yealm (C), Bigbury (C), Hope Cove (C), Prawle (C)

3.10 What are the coastal response areas for CRTs?

- **Plymouth - River Tamar (East Bank to River Yealm (West Bank)**
- **Yealm - River Yealm (East Bank to River Erme (West Bank)**
- **Bigbury - River Erme (East Bank) to River Avon (West Bank)**
- **Hope Cove - River Avon (East Bank) to Salcombe Estuary (W Bank)**

SE Devon Sector

3.11 Name the sector manager.

3.12 Name the geographical boundaries of the SE Devon Sector.

Salcombe to Topsham

3.13 Name the CRTs within the SE Devon Sector and give the SAR status for each

- **Prawle - Salcombe Estuary (East Bank) to Torcross**

Dartmouth (C), Torbay (C), Berry Head (C), Teignmouth (C)

3.14 What are the coastal response areas for CRTs in the SE Devon Sector?,

- **Dartmouth - Torcross to Totnes (River Dart West Bank)**
- **Torbay - Totnes (River Dart East Bank) - Gampton Creek - Elberry Cove - Maidencombe including the beach.**

- **Berry Head - Galmpton Creek - Mew Stone - Elberry Cove**
- **Teignmouth – Maidencombe (cliff top) to Topsham**

Coastguard Rescue Boats (CRB)

3.15 Name the CRBs, Brixham District, and give operational areas for each

Tamar Boat: (General Patrol Area): Seaton - River Erme

(Search & Rescue): River Tamar and all associated rivers / tributaries north of Plymouth Breakwater

Hope Cove Boat: Bolt Tail to Long Stone.

3.16 Briefly describe Hope Cove and Tamar Boats?

Hope Cove: 'Blue Water Maritime 5.5 mtr RHIB, equipped with 2 x 40 hp outboard engines and self-righting gear.

Tamar: Ribcraft 5.5 mtr RHIB, powered by 1 x 70 hp outboard with wing 5 hp engine in reserve

3.16 a What are the operating limits for Hope Cove Boat ?

From April to October, fair weather (wave heights of 1 meter in wind speed of force 4 or less) and visibility more than 1.5 NM during daylight hours between sunrise and sunset.

3.17 Tamar Boat reports to MRCC Brixham "Proceeding on patrol."

a. What information should be exchanged?

b. Where should information be recorded?

a. Names (or callsigns) of Cox'n & crew. Times of patrol. Intended passage plan. Weather forecast / conditions. Radio schedule 15/30 mins.

b. Details recorded in 'Resource Update file " TARES "

Section 4

Beach Lifesaving Units (BLUs) / National Coastwatch institution (NCI)

4.1 West to East, list all BLUs.

Whitsand Bay: (under RNLI control). Based at Tregonhawke Beach embraces

area including Sharrow Point, Freathy and Tregantle

Bantham: . (high Season) under RNLI control embraces also Challaborough, Sedgewell, Burgh Island, Thurlestone, Hope Cove, Slapton and Blackpool Sands

Teignmouth:— Dawlish Warren (Under RNLI control)

4.2 Which BLUs operate an Inshore Rescue Boat (IRB)?

Whitsand (Tregonhawke, Tregantle) Bantham & Sedgewell, Dawlish Warren, Teignmouth.

4.3 Where in Brixham District are NCI stations located?

Charlestown, Polruan, Rame Head, Prawle Point, Froward point, Torbay, Teignmouth and Exmouth.

4.4 What is the callsign of the Torbay Council patrol vessel?

Oscar 4

4.5 What VHF channels does this vessel monitor?

Channels 16/14

Offshore Fire-fighting

4.6 A vessel on fire South of Start Point requests fire-fighting assistance. With whom would you organise fire-fighting assistance?

Cornwall County Fire Brigade (Fire Control Truro) and MRCC Falmouth.

ARCC Kinloss

4.7 What is the helicopter embarkation point for fire fighters?

Falmouth School (Trescobeas) playing field (MOST important that ETA of fire team obtained before tasking helicopter).

4.8 What provision has Devon and Somerset Fire & Rescue Service made for responding to fire in the Plymouth Sound / River Yealm areas?

Fireboat 'Vigiles'

4.9 How do we task 'Vigiles'?

Through Devon and Somerset Fire and rescue Control (999)

4.10 What is Vigiles' maximum speed?

25 Knots

4.11 What is the procedure for requesting MOD launch assistance in the Plymouth area?

Contact Longroom Port control and request assistance

4.12 What type of vessels are available from MOD

Launches, Ribs and Jet skies

4.13 What Naval organization is the controlling authority for RN vessels in Plymouth?

Flag Officer Sea Training

Section 5

Geography / Nav aids / General

5. 1 West to East, name all rivers within Brixham District.

Fowey, West Looe, East Looe, Seaton, Lynher, Tamar, Tavy, Plym, Yealm, Erme, Avon, Salcombe estuary, Dart, Teign, Exe.

5.2 Where are the following:

Starcross?

West Bank River Exe

Mothercombe Beach?

West Bank, River Erme

Polkerris Beach?

Near Gribben Head, St Austell Bay

Sedgewell Beach?

Near Bantham, Bigbury Bay

Lannacombe Bay?

Between Start and Prawle Point

Labrador Bay?

South of River Teign

Portgiskey?

Between Penare Point and Pentewan Beach (Mevagissey Bay)

Sprey Point?

North of River Teign entrance / south of Parson and Clerk

Hannafore Point?

West of entrance to Looe

Great Mew Stone?

Wembury Bay

Mew Stone?

Northern entrance to river Dart

Whitsand Beach?

North of Watcombe Head

Colmer Rock ?

East of Looe

Pilchard Inn

Burgh Island

What marks the Skerries Bank?

Red can buoy and sector light from Start Point light FR 55m 12M

5.3 Where are the Dancing Beggar Rocks?

South west approach to Dartmouth

5.4 Where is the 'Egremont' to be found and what is its role?

Salcombe (Bag). Egremont is ex River Mersey ferry and is used as base vessel

for the Island Cruising Club)

5.5 What passenger ferry operates across Salcombe Estuary?

Salcombe Town / East Portlemouth foot passenger ferry

5.6 Where are Cod Rocks and Bastard Cod Rock?

Just off Berry Head

5.7 White flares reported in the Straight Point and Woodbury Common area - what would you suspect?

Royal Marines firing pyrotechnics on training ground

5.8 Vessel lost in poor visibility. DF bearing from Berry Head is Northerly. Vessel report close to outcrop of red sandstone and thinks he heard trains pass by. Where is he?

Parson and Clerk near Teignmouth

5.9 What are the characteristics of Start Point lighthouse?
GP FL (3) 10 secs (Red Sector Light shows over Skerries Reef)

5.10 Which lighthouse in Brixham District has the greatest elevation of light'?

Start Point 62 metres ASL

(Berry Head 58 ASL and Eddystone 41 ASL)

5.11 Which lighthouse tower Brixham District has the greatest range

Start Point 25 miles

(Eddystone 24 miles and Berry Head 14 miles)

5.12 When CRT Search required on the Eastern Bank of the River Dart from Kingswear north, what organization needs to be alerted?

Dart Valley Railway permission required before CRT accesses railway line.

Section 6

Specific dangers

6.1 Where in the district are groundings most likely to occur?

River Exe and Teignmouth

Section 7

Shipping and ferries

7.1 List the ports in the district which operate commercially?

Teignmouth, Plymouth, Par, Fowey

7.2 Which port/docks operates cross channel ferries?

Plymouth (Millbay docks)

7.3 List the locations of local ferry services?

**R. Exe Starcross-Exmouth
Shaldon-Teignmouth
Brixham-Torquay summer only
Dartmouth higher and lower ferries
Salcombe
Cremyll
Tamar
Fowey-Polruan
Fowey-Mevagissey summer only**

Section 8

Dangers to navigation

8.1 Where are the significant military sea exercise areas?

RN submarine and live firing areas along south coast, west of Start Point to Lands End and beyond

8.2 Where would you find details of these areas in the Ops room?

Templates on GAP, Reeds Almanac.

8.3 What other land based ranges exist in the district?

Straight Point range Exmouth, Tregantle ranges Plymouth

Section 9

Ports and Harbours

9.1 What formal arrangements exist for SAR in Port of Plymouth and Plymouth Sound?

1. **Broadcast**
2. **Inform Longroom / RNLI 'for action'**
3. **Advise MOD Police boats which is 'distress channel'**
4. **Co-ordinate all action / all units**

9.2 What assistance can Long room provide in the event of SAR occurring in the Plymouth area?

**Observations from their lookout
MOD ribs and launches
Cameras**

9.3 What are the Plymouth Port limits?

Rame Head — 0.8nm southeast to Shag Rock

9.4 a. What electronic aids does 'Long Room Port Control have for viewing the area?

b. Which other location has a camera available up river?

TV cameras at Raven ness, Longroom and at 'Flag' (RN Base Devonport)

Maker height, western side breakwater, Staddon Heights.

Tamar bridge control

9.5 Can 'Longroom' provide wind direction / speed information?

Yes, from anemometer remote from Plymouth Breakwater

9.6 Torbay: What are the Harbour limits?

Sharkham to Babbacombe

9.7 Who is the controlling authority for Torbay Harbour?

Torbay Council through Harbour Masters - Torquay, Paignton, Brixham

9.8 What harbours and ports in the Brixham district have pilotage facilities?

Teignmouth, Torbay, Plymouth, Fowey.

9.9 Name the sailing clubs that operate in the River Exe, where are they situated?

**Starcross Fishing and Cruising Club, Starcross Sailing Club
Starcross and down from Powderham Castle.**

9.10 Where is the hyperbaric chamber in Brixham District, and the alternative?
DDRC Derriford, Plymouth. Poole, Dorset.

Section 13

Communications

13.1 Name Brixham District's Remote Radio Sites.

Fowey, Rame Head, East Prawle, Salcombe, Dartmouth, Berry Head, Teignmouth, Beer.

13.2 Which RRS are fitted with DF?

Berry Head, East Prawle, Rame Head

1 3.3 Distress call received from Yacht unsure of position, but "somewhere south of Fowey

- What action can be taken to help determine position?

Request Falmouth CG for DF bearing and cross transmission bearing with Rame Head DF

13.4 Which RRS is fitted with VHF DSC?

All, except Teignmouth, Fowey, Salcombe and Beer

13.5 Which MF Stations flank MRCC Brixham?

Falmouth – Yarmouth

13,6 Which UK MF DSC stations flank MRCC Brixham?

Falmouth / Milford Haven — Humber

13.7 Where are VHF pager repeaters located in Brixham District?

Plymouth CRE, Bigbury CRE, Salcombe Paul Pedrick garrage, Dartmouth CRE, Teignmouth (Paul Barczok's house, 6 Gloucester Road).

13.8 Where is Brixham's MF TX & RX based?

Rame Head RRS

13.9 What are the Radio Call Signs for?

a.Devon & Cornwall Police helicopter -

Oscar 99

. Cornwall Air Ambulance

Westam 181

c. Devon Air Ambulance

Westam 183

Falmouth District

1. List the Falmouth Sectors and their respective sector managers?

South Cornwall-

West Cornwall -

North Cornwall –

IOS –

2. List the CRTs in each Sector?

ECS - Porthscatho, Falmouth, Porthoustock, Lizard, Mullion, Portleven.

WCS - Penzance, Landsend, St Just, St Ives, Portreath, St Agnes.

NCS - Newquay, St Merryn, Polzeath, Port Issac, Boscastle, Bude.

IOS - St Marys, St Agnes, St Martins, Bryher, Tresco,

3. List the AWB and ILBs in Falmouth District?

AWBs - Falmouth, Lizard, Penlee, Sennen Cove, St. Ives, Padstow, St Mary's

ILBs — Falmouth, Penlee, Sennen Cove, St Ives, St Agnes, Newquay (2), Rock,

Port Issac, Bude.

4 List the VHF aerial sites in Falmouth District?

Falmouth, Lizard, Lands End, St Marys (IOS), St Ives, Trevose Head, Bude.

Clyde

LOCAL KNOWLEDGE TEST 1

1. At which CRT is SO? Fort William
2. Who is the Station Officer at Tiree?
3. Who is the Station Officer at Portpatrick?
4. At which CRT is SO? Salen
5. Who is the Station Officer at Port Ellen?
6. Who is the Station Officer at Cumbrae?
7. Who is the LOM for Tobermory Lifeboat?
8. Which LB is the LOM for? Arran
9. Who is the Coxswain of Oban Lifeboat?
10. Who is the Coxswain of Girvan Lifeboat?
11. Where does the Fort William Ferry go?
Camusnagaul
12. Which ferry normally operates the Kennacraig – Port Ellen run? Isle of Arran/
Hebridean Isles
13. What is significant about the wreck of the Swan? Off Duart Castle, Sound of Mull,
Protected wreck.
14. Where is the Puffin Dive Centre? South of Oban,
Gallanachbeg
15. What do Svitzer Marine Ltd operate & where from? Black & Yellow Tugs out of
Greenock.
16. Name one of the MOD Police Boats. Gigha &
Jura
17. Where is Duart Castle? SE corner of
Mull
18. Which Loch is the Ardfern Yacht Centre in? Loch
Craignish
19. Who is Div Inspector for RNLI Scotland? Waveney
Crooks
20. Where is the Milleur Cardinal Bouy? Entrance to
Loch Ryan

LOCAL KNOWLEDGE TEST 2

1. Who is the Station Officer at Tobermory?
2. At which CRT is the SO? **Rothesay**
3. Who is the Station Officer at Greenock?
4. Who is the Station Officer at Loch Aline?
5. At which CRT is the SO? **Crinan**
6. Who is the Station Officer at Ayr ?
7. Which LB is the LOM for? **Campbeltown**
8. Who is the Coxswain of Tobermory Lifeboat?
9. Who is the LOM for Stranraer Lifeboat?
10. Who is the Coxswain of Troon Lifeboat?
11. Which run does the Calmac ferry 'Clansman' normally operate on? **Oban/Coll/Tiree**
12. Who operates the route between Hunters Quay & McInroys Point? **Western Ferries Ltd**
13. What is the local name for the wreck marked by a West Cardinal bouy off Rosneath Point? **Sugar Boat**
14. Where is the Beagle and what type is it? **Steamship wreck off Skate Point, NW Cumbrae**
15. Who has the call sign Victor Mike Seven Zero? **Police Helicopter**
16. Name two tugs operated by Clyde Marine Services? **Bruiser/ Battler/ Boojum Bay /Biter/ Beaver Bay**
17. Which CRT would you call out for a job at the Bull Hole? **Ross of Mull, north of Fionnphort**
18. Who operates the ship Pharos and out of where? **Northern Lighthouse Board, Oban**
19. What are the entry points for the Crinan Canal? **Loch Crinan & Ardrashaig**
20. Who is the main contact for Dunstaffnage Decompression Lab?

LOCAL KNOWLEDGE TEST 3

1. Who is the Station Officer at Craignure?

2. Who is the Station Officer at Carradale?
3. Which CRT is SO at? Jura
4. Who is the Station Officer at Port Appin?
5. Who is the Station Officer at Gigha?
6. Who is the Station Officer at Helensburgh?
7. Who is the LOM for Islay Lifeboat?
8. Who is the Coxswain of Portpatrick Lifeboat?
9. Which LB is the LOM for? Troon
10. Who is the Coxswain of Campbeltown Lifeboat?
11. Name both ferry runs operated by SPT (Strathclyde Partnership for Transport).
Kilcreggan/Helensborough/Gourock & Yoker/Renfrew
12. Name the ferry terminals on the Isle of Mull. Fishnish, Tobermory, Craignure, Fionnphort
13. Where is the wreck Wallachia? Off Toward Point
14. Name the popular dive vessel based out of Dunaverty, Oban? Porpoise II
15. Which ETV is normally in the Minch? Anglian Prince/Anglian Sovereign
16. Who provides the MCA with list of available tugs and how often? , weekly
17. Where is the 'Cockle Bank'? Off Port Glasgow
18. Where is Dunskey Castle? Mull of Galloway, just south of Portpatrick (ruin)
19. Where is the Fuinary Bouy? North side, sound of Mull
20. Where are the Burnt Isles? North of Bute

LOCAL KNOWLEDGE TEST 4

1. Who is the Station Officer at Stranraer?

2. Who is the Station Officer at Arran?
3. At which CRT is SO? Coll
4. Who is the Station Officer at Southend?
5. Who is the Station Officer at Gigha?
6. At which CRT is the SO? Kilhoan
7. Who is the LOM at Helensburgh?
8. Who is the Coxswain at Islay?
9. Which LB station is LOM at? Oban
10. Who is the Coxswain at Mallaig?
11. Which ferry operated by the Highland Council crosses Loch Linnhe? Corran Ferry
12. Which ferry route can the Sound of Scarba & Sound of Scalpay be regularly found on? Dunoon to Rothesay for Western Ferries Ltd.
13. What & where is the Catalina? Seaplane wreck off slip at Gt Cumbrae
14. Sound Diver can be chartered from where and what are the names of the 2 other vessels often found working for the same charter company?
Lochaline Dive Centre with Brendan & Peregrine
15. Name the two Fisheries Protection Vessels most often found in Clyde District. Minna & Norna
16. Who does work for and in what role? Clydeports' Ocean Terminal Estuary Control, Harbour Master
17. Where is Big Scare? Middle of entrance to Luce Bay, Mull of Galloway
18. What does The Tan separate? Little Cumbrae & Great Cumbrae
19. Which CRT would you be tasking to a job on The Oa? Port Ellen – SW of Islay
20. What is Puilladobhrain and name the famous bridge its close to? Anchorage on Isle of Seil, Bridge over the Atlantic.

Local Knowledge – Clyde District 4A

Place the following places on the chart.

1. Trail Island
2. Ascog Patches
3. Cairns of Coll
4. Small Isles
5. Brown Head
6. Gull Point
7. Cragnish Point
8. Loch Mingary
9. Loch Don
10. St.Ninnian's Bay
11. Maidenhead Bay
12. Laggan bay
13. St Ronans Bay
14. Rubha Nan Gall
15. South Annan Sands
16. Methe Bank Isolated Danger Mark
17. Carraig Fhada Lighthouse
18. Killantringan Lighthouse
19. Bono Rock
20. Caliach Point
21. Ardyne Point
22. Erraid
23. Smerby Rocks
24. Texa
25. Nave Island
26. Newshot Island.
27. Culzean Castle
28. Where is Portencross Castle
29. Leven Perch Cardinal Marker
30. The Doirlinn

Place the following places on the chart.

1. Pladda Island Lighthouse
2. St Nicholas Rock
3. Cloch Lighthouse
4. Tomont End
5. Corriegills Point
6. Meigle Bay
7. Malcolm's Point
8. Sallachan Point
9. The Garvellachs
10. Staffa
11. Island of Danna
12. Where is Patersons Rock
13. Where are The Gantocks
14. Beechams Buoy
15. Loch Teacuis
16. Loch Indaal
17. Loch Shira
18. Ardencaple Bay
19. Kings inch.
20. Loch Na Droma Buidhe
21. Where is Lagavullin
22. Dubh Artach Lighthouse
23. Skervuile Lighthouse
24. Pillar Rock Lighthouse
25. Earadale Point
26. Bogany Point
27. Grass Point
28. Inch Kenneth
29. Kennedys Pass
30. Holy Island

Local Knowledge – Clyde District 6A

Place the following places on the chart.

31. Dubh Artach Lighthouse
32. Turnberry Lighthouse

33. Rubha Nan Gall
34. Farland Head
35. Rhinns Point
36. Barwhin Point
37. Clauchlands Point
38. Kilberry Head
39. Sheanawally Point
40. Macringans Point
41. Mill Rock
42. Strone Point
43. Horse Island
44. Treshnish Islands
45. Trail Island
46. Port Logan
47. Ardencaple Bay
48. Scallastle Bay
49. Island of Danna
50. Port Righ
51. Longhaugh Point.
52. Trench Point
53. Fiunary Rock
54. Gunna Sound
55. Duart Castle
56. Kilchurn Castle
57. Hynish Bay
58. Bogany Point
59. Kildalloig Bay
60. Lady Bay

Local Knowledge – Clyde District 7A

Place the following places on the chart.

1. Airds Bay.

- 2.Bracken Bay.
3. Belnahua.
4. Blackhead.
- 5.Caolas Gialum.
6. Carsaig Bay.
7. Castle Sween.
8. Catacol Bay.
9. Cuan Sound.
10. Cutter Rock.
11. Dipple.
12. Dunaverty Bay.
13. Ettrick bay.
14. Black Lair.
15. Falls of Lora.
16. Kennacraig.
17. Lazaretto Point.
18. Loch Gair.
19. Mingary Pier.
20. Peniver.
21. Rubh a Mhail.
22. Sanaigmore Bay.
23. Skipness.
24. Tayinloan Pier.
25. Whitefarland Point.
26. Barmore Island.
27. The Wilderness.
28. Fiunary Rock.
29. Dunstaffange Castle.
30. Clyde Street Suspension Bridge.

Dover

LOCAL KNOWLEDGE TEST
DOVER DISTRICT
REVISED OCTOBER 2010.

1. DESCRIBE FULLY DOVER DISTRICT LIFEBOATS FROM MARGATE TO EASTBOURNE.
2. IDENTIFY THE FLANK SAR UNITS WHICH MAY BE AVAILABLE FROM ADJACENT DISTRICTS AND NEIGHBOURING COUNTRIES.
3. a .NAME THE DOVER DISTRICT SECTORS AND MEANS OF CONTACTING THE SECTOR MANAGERS.

b. LIST THE AUXILIARY STATIONS THE EQUIPMENT HELD AND MEANS OF CONTACT.
- 4.DISCUSS THE VARIOUS TYPES OF SHIPPING AND WATERBORNE ACTIVITIES WHICH OCCUR WITHIN THE DISTRICT AND THE MAIN PROBLEMS WHICH ARE LIKELY TO BE ENCOUNTERED.
5. NAME SOME OF THE MAIN GEOGRAPHICAL FEATURES WITHIN THE DOVER DISTRICT, INCLUDING HEADLANDS, CLIFFS ,BEACHES ,HARBOURS ,RIVERS, MARINAS AND MAJOR NAVIGATIONAL MARKS.
6. WHAT ADDITIONAL RESOURCES CAN BE CALLED UPON TO PROVIDE ASSISTANCE OR INFORMATION DURING A SAR INCIDENT IN THE DOVER DISTRICT.
7. NAME THE RECOGNISED SAFE ANCHORAGES IN THE DOVER DISTRICT.
8. IDENTIFY SOURCES OF FURTHER NAVIGATIONAL INFORMATION.
9. NAME SOME DANGERS TO NAVIGATION WITHIN THE ADJACENT DISTRICTS.
10. LIST ANY SIX CONTINGENCY PLANS HELD AT DOVER MRCC FOR MAJOR INCIDENTS AND OCCURRENCES. WHERE CAN THEY BE FOUND.
11. DESCRIBE THE LOCAL PROCEDURES FOR DEALING WITH,

- a. ALL TYPES OF OIL POLLUTION.
- b. WASHED UP OR SIGHTED ORDNANCE.
- c. BYE LAW INFRINGEMENTS.

12. WHERE CAN YOU OBTAIN RECOMPRESSION FACILITIES FOR DIVING CASUALTIES.

13. WHAT IS THE RADIO COVERAGE WITHIN THE DOVER DISTRICT AND IDENTIFY ANY BLIND SPOTS.

14. DEMONSTRATE THE PROCEDURE FOR CARRYING OUT LINE AND EQUIPMENT CHECKS.

15. EXPLAIN THE ARRANGEMENTS FOR THE PROVISION OF EMERGENCY TOWING WITHIN THE DISTRICT.

16. WHAT ARE THE WORKING CHANNELS FOR THE FOLLOWING PORTS, HARBOURS AND MARINAS . RAMSGATE. DOVER FOLKESTONE .RYE . SOVEREIGN.

17. LIST THE BROADCAST TIMES FOR THE MSI AND CNIS FOR DOVER.

18 . NAME THE YACHT CLUBS BETWEEN RAMSGATE AND DOVER.

Falmouth

LOCAL KNOWLEDGE TEST FALMOUTH

10 marks per Question – Total 170 – Pass mark 80%

1. List all lifeboats within the area, type of LB and method of launch.
2. List the Sectors, SMs, call out procedures and Sector organisation.
3. List the CRTs within the area
4. Names of SOs and area of operation
5. What air assets are available and how can they be tasked.
6. List Lifeguard assets
7. List NCI stations.
8. List aerial sites
9. List lights
10. List main cardinal marks in area
11. Describe the main geographical features and dangers within District.
 - a. headlands, cliffs, beaches, harbours, rivers, islands etc.
 - b. major navigation marks, lighthouses, landmarks etc.
 - c. any significant tides
 - d. safe anchorage's
12. Appreciate various types of shipping and waterborne activities that occur in the area and some of the problems that could arise.
13. Describe some of the dangers to navigation in our own and adjacent Districts
 - a. Including areas of rocks, shoals, strong tidal streams and rips
14. Pollution – Know local procedures and contacts. Including name of Regional CPSO & SOSREP
15. What is the Provision of tugs in area, contact details and availability

16. List Flank Lifeboats in Brixham and Swansea area. Type & launching method.
- 17 Demonstrate familiarity and ability to operate all the equipment within own operations room and know the procedures in the event of failure/fault.

1- LIFEBOATS

Team Name	ALB/ILB	SO/LOM	LIFEBOAT TYPE & LAUNCH METHOD
North Cornwall	Sector		
Bude	ILB		D Class / 4 Wheel Drive & Trailer
Port Isaac	ILB		D Class / 4 Wheel Drive & Trailer
Rock	ILB		D Class / 4 Wheel Drive & Trailer
Padstow	ALB		Tamar/ Steep Slipway
Newquay	ILB x 2		Atlantic 75 / D Class / 4 Wheel Drive & Trailer
West Cornwall	Sector		
St Agnes	ILB		D Class / Truck & Trailer
St Ives	ALB/ILB		Mersey / D Class Tractor/Caterpillar Trailer / 4 wheel drive & trailer
Sennen Cove	ALB/ILB		Tamar / D Class / Slipway
Penlee	ALB/ILB		Severn / Atlantic 75 / Pontoon
South Cornwall	Sector		
Lizard	ALB		Tyne / Steep Slipway
Falmouth	ALB/ILB		Severn / Atlantic 21 / Pontoon
Isles of Scilly	Sector		
St Mary's	ALB		Severn / Mooring

2- SECTORS

Falmouth District		All available on pager as primary method & then mobile phone.
West Cornwall		Ligger Point to Cudden Point
North Cornwall		Ligger Point to Marsland Mouth in the north
South Cornwall		Dodman Point to Cudden Point
Isles of Scilly		

3 & 4 – CRTS & SOs

North Cornwall	Sector		Ligger Point to Marsland Mouth in the north
-----------------------	--------	--	---

Bude	CRT		Cambeak/Crackington Haven to Marsland Mouth
Boscastle	CRT		Start Point to Cambeak/Crackington Haven
Port Isaac	CRT		Trevan Point (right next to Lundy Bay) to Start Point
Polzeath	CRT		by-pass bridge at Wadebridge to Trevan Point (Lundy Bay (r Pentire Point))
St Merryn	CRT		Trenance Point to Wadebridge Viaduct
Newquay	CRT		Ligger Point (South) – Trenance Point
West Cornwall	Sector		Ligger Point to Cudden Point
St Agnes	CRT		Porthtowan to Ligger Point
Portreath	CRT		Hayle to Porthtowan
St Ives	CRT		Pendeen watch to Sluice Gate, North Quay, Hayle
Lands End	CRT		Lamorna Cove to Pendeen Watch
Penzance	CRT		Cudden Point to Lamorna Cove
South Cornwall	Sector		Dodman Point to Cudden Point
Porthleven	CRT		Loe Bar to Cudden Point
Mullion	CRT		Green Saddle east of Kennack Sands to the Anson Monume end of Loe Bar
Porthhoustock	CRT		Gweek to Green Saddle inc Kennack
Falmouth	CRT		Truro to Gweek
Portscatho	CRT		Dodman Point to Tresillion bridge (nr Truro)
Brixham District			
Mevagissey	CRT		
Isles of Scilly	Sector		
St Marys	CRT		
St Agnes	CRT		
Bryher	CRT		
St Martins	CRT		
Tresco	CRT		

5 - AIR ASSETS

Description	Call Sign	Location
Air Ambulance	W181/183 (Helimed)	RAF St Mawgan
RAF Rescue Helicopter	R169/170/171	RAF Chivenor
RN Rescue Helicopter	R193/194/195	RNAS Culdrose
<u>RVL</u>		<u>Coventry</u>
Police	O99	Exeter

6 - BEACH LIFEGUARDS

The beach lifeguard service is funded by the Local Authorities and equipment and personnel supplied by the RNLI. The beach lifeguards are situated on the North and South Coasts, the majority being on the North Coast, the beaches can be hazardous for swimming.

Sandy Mouth, Northcott, Summerleaze, Crooklets, Booby's, Widemouth Bay, Crackington Haven, Harlyn, Constantine, Treyarnon, Porthcothan, Polzeath, Mawgan Porth, Watergate, Fistril North and South, Lusty Glaze, Great Western, Towan, Tolcarne, Porth, Crantock, Holywell Bay, Perranporth, Perran Sands, Portreath, Chapel Porth, Porthtowan Praa Sands, Kennack Sands, Gyllingvase, Godrevy, Gwithian, Peters Point, Upton Towans, Beach View, Mexico Towans, Hayle Towans, Porth Kidney, Porthminster, Porthmeor, St Agnes, Sennen Cove, Gwenver, Marazion, Porthcurno.

7 - NCI LOOKOUTS

STEPPER POINT, BOSCASTLE, ST AGNES, ST IVES, CAPE CORNWALL
GWENNAP HEAD, PENZANCE, BASS POINT, NARE HEAD,
PORTSCATHO
POLRUAN.

8 - AERIAL SITES

Location
North
Bude
Trevoze Head - DF
West
St Ives
Lands End - DF
Treen
South
Lizard – DF & MF
Falmouth
IOS
St Mary's Isles of Scilly – DF & MF

9 - LIGHTS

Major Navigation Lights/Lighthouses
North
Trevoze Head – NW of Trevoze Head
West
Godrevy
Pendeen
Longships Lands End
Seven Stones Lightship
Wolf Rock
Tater Du – nr Lamorna Cove
South
Lizard
St Anthonys' – Falmouth Harbour Entrance
Isles of Scilly
Round Island, Isles of Scilly – most Northerly point

Bishop's Rock, Isles of Scilly – 4 miles west of IOS
--

Penninis – St Mary's

10 - CARDINAL MARKS

Godrevy Stones – North Cardinal mark

Carn Base – West Cardinal mark

Runnel Stone – South Cardinal mark

Low Lee Light – East Cardinal mark

The Gear, Mounts Bay – Isolated danger mark

The Manacles – East cardinal mark

Black Rock – Isolated danger mark

Note: Low Lee light often mistaken for SOS – east cardinal buoy flashes in groups of three.

11 - GEOGRAPHICAL FEATURES AND DANGERS

North Coast, very little shelter, no safe harbours with the exception of Padstow, harbour only accessible 2 hours either side of high tide (harbour master available working hours and 2 hours either side of high tide any time of day) no good ground on north coast for anchoring, Padstow Doom Bar particular hazard. Large Surf on North Coast. High cliffs throughout area, some prone to erosion. Suicide hotspot at Hells Mouth. Tidal estuaries and Rivers. Mud dangers on Rivers, Truro, Fal & Camel. Offshore winds always present due to county being a peninsula. Rocky Coastline. Offshore, Isles of Scilly.

12 - RECREATIONAL ACTIVITIES & COMMERCIAL ACTIVITIES

North Coast, surfing, kite surfing,

South Coast, canoeing, yachting, dinghy sailing

DIVING – Largest diving centre at Porthkerris

Diving around Brisons and Runnelstone

Popular wrecks, Mounts Bay 'Warspite'; 'Alice Marie'

U boat off Padstow (deep)

Manacles – Mohigan

Above sea wrecks – Mulheim at Landsend

Falmouth - 'Ben Asdale' at low tide

3 WW1 subs off lay-by just down from Falmouth CG.

NEWLYN – Large fishing port

PENZANCE – yachts and port for Scillonian – IOS ferry

FISHING – Main port Newlyn, smaller fishing fleets Padstow, Newquay, St Ives, Falmouth

FALMOUTH – Large deep water harbour, cruise ships,

13 – DANGERS TO NAVIGATION

Lands End TSS
Stones off Godrevy
Bann Shoal
Cape Cornwall Bank
Sevenstones Reef
Brisons – Reef of rocks running about a mile out from Cape Cornwall the
Brisons rocks situated at the end of the reef
Runnelstone
Numerous rocks and islands around Scillies
Dangerous waters around Lizard
Manacles
Dodman Point, confused seas on Dodman field, dangerous when wind
against tide.
North Coast beaches can be dangerous for swimming, good lifeguard
coverage

14 –COUNTER POLLUTION PLANS AND PROCEDURES

Ref CG3 – Utilise paging system to call Duty CPSO.
Western Region CPSO –
If necessary inform SOSREP –
Collect details and create incident.
Collate appropriate POLREP address list
Inform local authority if necessary
Access Counter pollution plan
If required access local emergency plans

15 –TUG DETAILS& CALL OUT PROCEDURE.

Name	Endurance	Range/Radius	Stand-by status
Anglian Princess – ETV znuw3	Max spd 17 knots	Portland Bill – Milford Haven and up to 200 nm offshore or to the median line	24 hrs at 15 mins notice. Contact via Mobile phone or Ch0 C
Falmouth harbour Tugs	Various		Available 24/7 Ch16 or via Falmouth pilots.

16 -FLANK LIFEBOATS

Team Name	ALB/ILB	SO/LOM	LIFEBOAT TYPE & LAUNCH METHOD
Swansea Dist			
Appledore	ALB		Severn
Clovelly	ILB		Atlantic 75
Brixham Dist			
Fowey	ALB/ILB		Trent & D Class

17 ABILITY TO OPERATE OPS ROOM EQUIPMENT

Demonstrate familiarity and ability to operate all the equipment within own operations room and know the procedures in the event of failure/fault. Including portable DSC and Local Radio.

Forth

Local Knowledge Questions 2010

Answer Sheet

This Local Knowledge question paper is in 5 parts

Part 1 Communications Infrastructure

Part 2 Declared Resources

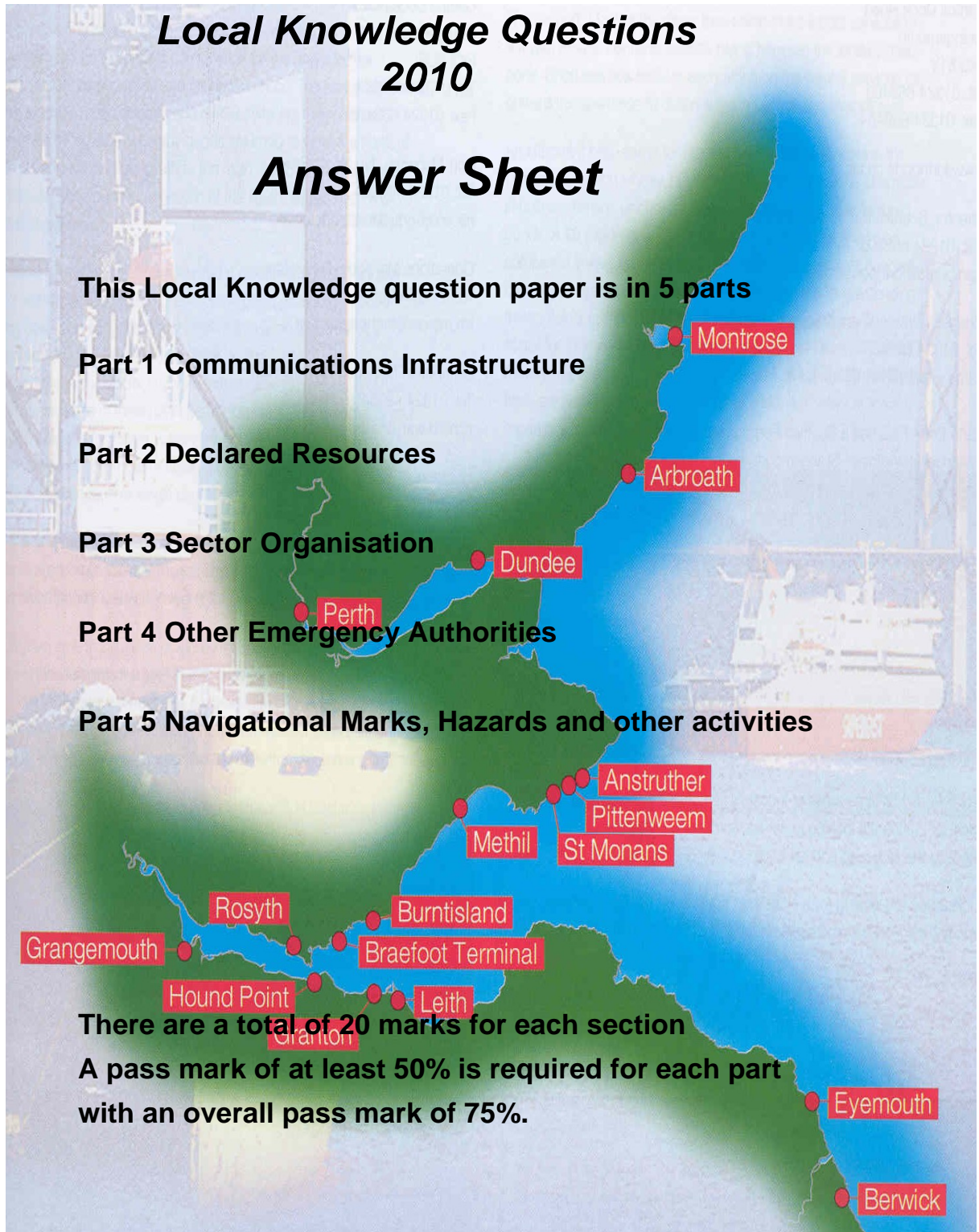
Part 3 Sector Organisation

Part 4 Other Emergency Authorities

Part 5 Navigational Marks, Hazards and other activities

There are a total of 20 marks for each section

A pass mark of at least 50% is required for each part
with an overall pass mark of 75%.



Part 1 - Communications Facilities

What is the Telephone Number for Forth Maritime Rescue Co-Ordination Centre (1)

Operations Room	01333 450666
Admin Office	01333450703

What is our MMSI number (1)

002320005

Complete the following grid to show the Radio facilities available at each Remote Radio Site within the district (15)

Site Name	Short Code	VHF DSC	VHF CH16	VHF X-ray	VHF Yankee	VHF CH 0	VHF DF
Inverbervie	INV	X	X	X	X	X	X
Dundee	DDE		X	X			
Fifeness	FIF	X	X	X		X	X
Craigkelly	CKY	X	X	X		X	
Forth Bridge	FBR		X	X			
St Abbs	STA	X	X	X			X
St Abbs Lt	ALH		X				

Identify the Strong Wind Warnings and Inshore Forecast Areas broadcast as part of the MSI and Weather information Broadcasts (1)

Cape Wrath to Rattray Head incl Orkney

Rattray Head to Berwick on Tweed

Identify the Gale Warnings and Shipping Forecast Areas broadcast as part of the MSI and Weather information Broadcasts

(2)

Forties	Cromarty	Forth
Tyne	Fair Isle	

Part 2 - Declared Resources

Complete the following grid to show the Declared Coastguard Teams and Capabilities within the district and including Flanks

(0.1 each, 9)

Team Name	Short Code	Search	Cliff	Mud	Flood	4 X 4	Mini Bus	Estate Car
S/Haven	SVCRT	X	X			X		
Gourdon	GDIRT	X						
Montrose	MECRT	X	X	X	X	X		X
Arbroath	ARCRT	X	X			X		
C/Noustie	CNCRT	X	X			X		
St.Andrew	SADCRT	X	X			X		X
Leven	LVCRT	X	X			X		
Kinghorn	KNCRT	X	X			X		
South Queens ferry	SQCRT	X	X	X		X		X
Fisherrow	FRIRT	X						X
N.Berwick	NBCRT	X	X			X		
Dunbar	DBCRT	X	X			X		
St Abbs	SABIRT	X						
Eyemouth	EYCRT	X	X			X		X
Aberdeen / Portlethan	ABCRT / PRTIRT	X X	X			X		
Berwick	BWKCRT	X	X			X		

Complete the following grid to show the Declared Air Resources within the district

(0.05 each , 1)

Base Station	Aircraft Type RAF/RN/CG	Calsign On Exercise	Calsign On Task	Nominal Cruising Speed
--------------	----------------------------	------------------------	--------------------	------------------------------

Kinloss	RAF	Nimrod 51	Rescue 51	400 knots
Lossiemouth	RAF	SRG 137 or Seaking 137	Rescue 137	110 knots
Prestwick	RN	Navy 177	Rescue 177	110 Knots
Boulmer	RAF	SRG 131 or Seaking 131	Rescue 131	110 Knots

Complete the following grid to show the Declared Lifeboats, and their associated Capabilities within the district and including Flanks.
(0.1each 9)

Base Port	Provider / Authority	Type	Speed	Calsign
Stonehaven	MRI	Various ALB / inshore boats	25 knots Plus	MRI 42 / 38 etc
Montrose	RNLI	Tyne	17kts	Montrose Inshore LB
Montrose	RNLI	D Class	25 kts	Montrose Inshore LB
Arbroath	RNLI	Mersey	17 kts	Arbroath Lifeboat
Arbroath	RNLI	D Class	25 kts	Arbroath Inshore LB
Broughty Ferry	RNLI	Trent	25 kts	Brought Ferry LB
Broughty Ferry	RNLI	D Class	25 kts	Brought Ferry In.lb
Anstruther	RNLI	Mersey	17 kts	Anstruther Lifeboat
Anstruther	RNLI	D Class	25 kts	Anstruther in.lb
Kinghorn	RNLI	AT 75	32 kts	Kinghorn Lifeboat
Queensferry	RNLI	AT 75	32 kts	Queensferry Lifeboat

North Berwick	RNLI	D Class	25 kts	N.Berwick Lifeboat
Dunbar	RNLI	Trent	25 kts	Dunbar Inshore LB
Dunbar	RNLI	D Class	25 kts	Dunbar Inshore LB
St Abbs	RNLI	AT 75	32 kts	St Abbs Lifeboat
Eyemouth	RNLI	Trent	25 kts	Eyemouth Lifeboat
<i>Aberdeen</i>	RNLI	Severn	25 kts	Abdn Lifeboat
<i>Aberdeen</i>	RNLI	D Class	25 kts	Aberdeen ilb
Berwick on Tweed	RNLI	Mersey	17 kts	Berwick Lifeboat
Berwick on Tweed	RNLI	D Class	25 kts	Berwick ilb

What Additional Resources can be called upon from
(1)

Dundee Airport	Hovercraft
LOB police Marine Unit	Police launch callsign SO10

Part 3 – Area and Sector Organisation

Which Two MRCC's comprise the East SCOTNI operational Area
(2)

MRCC Forth	MRCC Aberdeen
-------------------	----------------------

List the 4 Sectors in Forth district and identify their boundaries.
(16)

Sector Name	Montrose Sector
Sector Manager	
From	Doonies Point
To	East Haven

Sector Name	St Andrews Sector
Sector Manager	
From	East Haven
To	Seafield

Sector Name	Granton Sector
Sector Manager	
From	Seafield
To	Aberlady Bay

Sector Name	Eyemouth Sector
Sector Manager	
From	Aberlady Bay
To	Scottish Border

Where is the Coastguard Boat, MCA Merlin, Based and who is responsible for its Management

(2)

Location	St Andrews
Manager	St Andrews Sector Manager

Part 4 - Other Emergency Authorities

List the 5 police forces which are responsible for parts of Forth District
(5)

Grampian
Tayside
Fife
Central
Lothian & Borders

List the 4 Fire & Rescue Services which are responsible for parts of Forth District
(4)

Fife
Grampian
Tayside
Lothian and Borders

Which one is declared as part of the MIRG group
(1)

Lothian and Borders

List the 2 Hospital with Dedicated Helicopter Landing Sites
(1)

Edinburgh Royal Infirmary
Ninewells Hospital

Which 2 Despatch Centres do we use when requesting Ambulances
(1)

EMDC North (Inverness)

EMDC South (Edinburgh)

List the 5 local Councils which are responsible for parts of Forth District

(5)

Fife council,/ Perth and Kinross

Lothian & borders council / City of Edinburgh
--

Central council, Clackmannanshire Council
--

Grampian council / Tayside & Angus council I

West & East Lothian councils / Falkirk, Scottish Borders

Who is responsible for the lighthouses on the
Bell Rock , May Island and at Fife Ness

(1)

NLB

Which National Authority is responsible for the safe running of
Torness Power Station

(1)

British Nuclear Fuels.

What is the title of the Pollution plan covering the Firth of Forth

(1)

Clear water Forth

Part 5 - Navigational Marks, Hazards, Shipping and other activities

Name 5 Major Island in the Firth of Forth

(5)

Isle of May
Inchkeith, Inchcolm, Inchmickery, Inchgarvie
Bass Rock, Fidra, Craigleith, Lamb
Cramond, Cow and Calves, Oxcars
Beamer rock

Name 4 Passenger vessels and identify their normal operating routes

(4)

Name	From	To
Forth Bell	Hawse pier	Under bridges / up river Past Incholm etc
Maid of the Forth	As above	As above
May Princess	Anstruther	Isle of May
Sula II Braveheart	North Berwick	Bass Rock and Craigleith

By what Name is Inchcape Island more commonly known

(1)

Bell Rock

What is the name of the Major Oil Terminal near the Forth Road Bridge

(1)

Hound Point (BP)

Who is responsible for Inchcolm Island

(1)

SNH

Name three areas where people commonly find themselves cut of by the tide

(3)

Cramond Island
Entrance to the river Eden (Eden Mouth)
Abertay sands (Tentsmuir)

Which parts of the district are popular for diving (Identify 2)

(2)

St Abbs head area / North Berwick / Dunbar
Fifeness

What is the main Yachting Marina and sailing centre in the district

(1)

<i>Port Edgar marina</i>

What are the charted vertical clearances of

(2)

<i>Tay Road Bridge</i>	<i>21 - 22m (almanac)</i>
<i>Tay Rail Bridge</i>	<i>21 - 22m (almanac)</i>
<i>Forth Road Bridge</i>	<i>45-46m (admiralty ch)</i>
<i>Forth Rail Bridge</i>	<i>44m (admiralty chart)</i>

Holyhead

HOLYHEAD LOCAL KNOWLEDGE

24th 25th November 2010

Candidates: CGO(WO), CWA CWA.

What type are the all weather lifeboats within the District, and where are they located?

1) Holyhead	-	Severn
2) Moelfre	-	Tyne
3) Llandudno	-	Mersey
4) Rhyl	-	Mersey
5) Porthdynllaen	-	Tyne
6) Pwllheli	-	Mersey
7) Barmouth	-	Mersey

What are the types and location of flank lifeboats in Milford /Liverpool District?

1) New Quay	-	Mersey and 'D' Class
2) Aberdovey	-	Atlantic 21
3) Hoylake	-	Mersey
4) Port St Mary	-	Trent and 'D' Class
5) Flint	-	'D' Class

Which ALB station in the District does not have an ILB?

Porthdynllaen .

What are the ILBs within the District and where are they located?

Holyhead	-	'D' Class .
Moelfre	-	'D' Class .
Beaumaris	-	Atlantic 85.
Trearddur Bay	-	Atlantic 85 and D Class
Conwy	-	'D' Class.
Llandudno	-	'D' Class.
Rhyl	-	'D' Class.
Abersoch	-	Atlantic 75
Criccieth	-	Atlantic 85 and Y class.
Pwllheli	-	'D' Class.
Barmouth	-	'D' Class.

List the major landing sites and Airfields in the District.

RAF Valley , Llanbedr, Caernarfon Airfield, Ysbyty Gwynedd, Ysbyty Glan Clwyd, Mona Airfield, Police H.Q. Colwyn Bay.

What are the dangers for yachts passing between the Skerries and Carmel Head?

Platters Rocks, Tidal Currents, Overflows, (Wind over Tide).

What advice would you give to a yachtsman who intended rounding the Stacks?

Time Passage for slack water low for Passage North, High for Passage South. Beware overfalls, and Tidal Races. Keep at least 1.5 nm off shore. Watch out for ferries.

What advice would you give a small coaster heading north past Caernarfon Bay, requiring shelter from a Southwest gale?

Do not enter Caernarfon Bay (lee shore) Proceed to Holyhead Bay or Moelfre Roads for shelter.

What are the 'Two white ladies' and what do they signify.?

1/4 nm East of Carmel Head, used as Transit marks with West Mouse and South Cardinal to mark position line for Coal Rock.

What is the proper name and where is 'Whistling sands'.?

Porth Oer, Lleyn Peninsular, South of PY.

Where are the three places in the district most likely to be referred as 'The Warren'?

Abersoch, Newborough, Point of Ayr

When is Conwy accessible.?

2 Hours +/- High Water

When is High Water slack in the 'Swellies'?

1 Hour Holyhead or 2 hours Liverpool.

What are the offshore installations within Holyhead District and who are the operators?

Operators - BHP

Installations - Douglas Platform (accommodation platform, processing platform & separates oil, gas & water, & a wellhead tower for extracting oil).

Hamilton Platform (unmanned, extracts Gas)

Hamilton North Platform (unmanned, extracts Gas)

Lennox Field Platform (unmanned, extracts oil & LP Gas)

****Oil produced in Liverpool Bay is sent by pipeline from the Douglas Complex to the Offshore Storage Installation (OSI) a purpose built barge.**

What major power generating installations are located within the District and what type are they?

BNFL - Wylfa

BNFL - Trawsfynydd

Hydropower - Llanberis

Wind Power – Windmills – North Hoyle / Rhyl Flats / Gwynty Mor

Before despatching Barmouth CRV to an incident off Tal-y-Bont, why is it important to confirm with the first informant which side of the village the casualty is on?

Beach split by river at Tal-y-Bont. Time wasted if mobile sent to wrong side.

Where is Traeth Coch Sailing Club?

Red Wharf Bay.

How would you request the launch of Port St Mary Lifeboat?

Through Liverpool Coastguard.

Where and what is 'Red Wall'?

Between South Stack and Ellen's Tower. – Popular with climbers

Where and what is 'Devil's Ridge'?

Overfalls East of Bardsey Island.

Where is St. David's Caravan Site situated?

Benllech Beach.

Where is 'Pigeons Cave' and what hazards does it present?

North of Llandudno Pier - people get cut off by incoming tides.

Where is 'Morfa Aberech'?

Between Pen-y-Chain and Pwllheli Harbour.

Where is 'Ynys Gwylan Fawr' and 'Ynys Gwylan Bach'?

East Aberdaron Bay.

Where is the 'Dutchman Sandbank'?

Between Penmaenmawr and Puffin Island.

If there was an incident at 'Mermaid Cove', which lifeboats and teams would you use?

PY LB, TRB ILB, RNG CRT.

Where is 'Parliament Cave'?

North Stack.

LIVERPOOL LOCAL KNOWLEDGE

On which part of the coastline would you find buoys DZ1 DZ2 DZ3 etc?

LUCE BAY

A cliff team could be required at either the North or South Head of which location?

ST BEES

Where is Sally's Cottage to be found?

THURSTASTON RIVER DEE

Name all the Independent Rescue Boats in the Liverpool District?

***MARINE FIRE 1 / SOUTHPORT/ DUDDON/ HAVRIGG/ MARYPORT/ NITH/
MOSS YARD/ PORT WILLIAM***

State four areas of strong/dangerous/rip tides in Liverpool District.

***CALF OF MAN CONTRARY HEAD (WEST OF IOM)
MULL OF GALLOWAY WEST OF WALNEY ISLAND***

What SAR resources would you task to a MOB 1 mile west of Lightning Knoll buoy?

***RESCUE HELICOPTER 122 (RESCUE 122)
FYLDE POLICE HELICOPTER (POLICE 21)
FLEETWOOD + BARROW ALB***

999 MOP reporting a PIW at Parkgate, what are your initial actions?

CHECK LOCATION AS PARKGATE ON THE RIVER DEE (FLINT ILB) AND ALSO BY KIRKUDBRIGHT (KIRKUDBRIGHT ILB)

With regard to HW at Liverpool, when is it NOT advisable to walk from West Kirby to Hilbre Island

3 HOURS EITHER SIDE OF HW

What type of Coastguard team is at Burgh by Sands and what equipment do they have?

**SEARCH / MUD RESCUE / OFF-ROAD VEHICLE
10 MAN TEAM + ARGOCAT**

Where is Morecambe Bay gas piped ashore?

BARROW

Where is Chicken Rock?

SW OF THE CALF OF MAN

AREA OVERVIEW

Using the Ordnance Survey Wall Charts, candidates in teams of 2-4 should prepare and give a joint presentation on the maritime issues and casualty profile of the North West and North Wales Area. Assessors will ask for clarification or more detail during the assessment.

Humber

LOCAL KNOWLEDGE ASSESSMENT – 2010/11

AREA SAR UNITS

Identify the class and station location (i.e ALB – Mersey – Bridlington) of RNLi lifeboats in the Humber District and any declared or additional private rescue craft available.

.....

.....

ILB – D CLASS – CLEETHORPES
ALB – SEVERN – HUMBER (SPURN POINT)
IRB – RHIB + SMALL INFLATABLE – HUMBER RESCUE (HESSLE)
ILB – D CLASS – WITHERNSEA
IRB - RHIB + PWC – HORNSEA RESCUE
ALB – MERSEY – BRIDLINGTON
ILB – D CLASS – BRIDLINGTON
ILB – ATLANTIC 85 – FLAMBOROUGH
ALB – MERSEY – FILEY
ILB - D CLASS – FILEY
ALB – MERSEY – SCARBOROUGH
ILB – D CLASS – SCARBOROUGH
ALB – TRENT – WHITBY
ILB – D CLASS – WHITBY
IRB – RHIB - RUNSWICK BAY RESCUE
ILB – ATLANTIC 75 – STAITHES
ILB – D CLASS – REDCAR
ILB – ATLANTIC 21 – REDCAR
ALB – TRENT – HARTLEPOOL
ILB – ATLANTIC 75 – HARTLEPOOL
ILB – D CLASS – SUNDERLAND
ILB – ATLANTIC 85 – SUNDERLAND
ALB – SEVERN – TYNEMOUTH
ILB – D CLASS – TYNEMOUTH
ILB – ATLANTIC 85 – CULLERCOATS
ILB – D CLASS – BLYTH
ARB – TYNE CLASS – BLYTH VOLUNTEER LIFEBOAT
ILB – ATLANTIC 75 - NEWBIGGIN
ILB - D CLASS - AMBLE
ALB - MERSEY - AMBLE
IRB - RHIB – BOULMER - Not operational at present
ILB - D CLASS - CRASTER
ILB - D CLASS - SEAHOUSES
ALB - MERSEY - SEAHOUSES
ILB - D CLASS - BERWICK
ALB - MERSEY - BERWICK

.....

.....

20 points

FLANK SAR UNITS

What flank RNLI boats are available at Mablethorpe and Skegness?
Estimate their ETA's to position off the Tetney Monobuoy.

ETA assumes LBs will cross through Donna Nook.

ILB – ATLANTIC 75 - MABLETHORPE - ETA @ 30Kts (13nm) 24min

ILB – D CLASS – MABLETHORPE - ETA @ 24Kts (13nm) 32min

ALB – MERSEY – SKEGNESS - ETA @ 16Kts (26nm) 1hr 38min

ILB – D CLASS – SKEGNESS - ETA @ 24Kts (26nm) 1hr 05min

.....
.....

5 points

SECTOR ORGANISATION

Identify CRT's equipment and vehicles in Hull sector

Hornsea BURT has Personal Protective Equipment, Search Equipment, Cliff Rescue Equipment and a Toyota CRV.

Withernsea BURT has PPE, Enhanced Search Equipment and a Toyota CRV.

Easington IRT has PPE, Search Equipment, and a Nissan CRV.

Hull BURT has PPE, Search Equipment, Mud Rescue Equipment including sled and a Toyota CRV. Also stationed at Hull is the MCA Kestrel RHIB and its tow vehicle a Land Rover Defender.

Cleethorpes BURT has PPE, Search Equipment and a Nissan CRV.

.....
...

10 points

OTHER AUTHORITIES

How many established volunteer Coast watching stations are there in Humber District and what is the lookouts grid reference?

- Berwick Coastwatch NU 004 535
- Sunderland Coastwatch Grid NZ 407 586
- Hartlepool Coastwatch Grid NZ 522 335
- Redcar Coastwatch Grid NZ 608 251

.....
.....

Humber District encompasses a number of Police Authorities. Name them and where are their Control Rooms?

- | | |
|-----------------|----------------|
| Northumbria | Ponteland |
| Durham | Durham City |
| Cleveland | Middlesborough |
| North Yorkshire | Northallerton |
| Humberside | Hessle |
| Lincolnshire | Lincoln |

.....
.....

10 points

GEOGRAPHICAL FEATURES

Locate and give the OS grid position of all the villages/towns called EASINGTON within five miles of the coast in Humber District, who's sector are they in?

Easington, Northumberland, Grid NU 116 358 - Amble Sector – P Duffy

Easington, nr Seaham, Grid NZ 413 435 - Tyne Sector - G Albrighton

Easington, nr Staithes, Grid NZ 749 178 – Whitby Sector – C Coulter

Easington, nr Spurn Point, Grid TA 394 191 – Hull Sector – J Richardson

.....
.....

10 points

DANGER POTENTIAL INCIDENTS

Identify areas where tidal cut-offs can be expected and which CRT would you call for resolution?

Cleethorpes, 'Whale Back' and Humberstone Fitties. CLEETHORPES
Flamborough North Landing and Thornwick Bays. FLAMBOROUGH
Filey Brigg. FILEY
Holbeck, Scarborough.
Huntcliffe. SKININGROVE
East Cliff. WHITBY
Holy Island Causeway. HOLY ISLAND and SEAHOUSES

.....
..... **10 points**

SHIPPING AND OTHER WATERBORNE ACTIVITIES

Some recreational boating people think there should be more marinas. List those in Humber District.

Braid Marina Amble
Sunderland Marina
Friars Goose Marina – Gateshead
Hartlepool Marina
Hebburn Marina – River Tyne
Royal Quays Marina
St Peters Marina – River Tyne
Whitby Marina
Hull Marina
Grimsby Marina

.....
..... **10 points**

DANGER TO NAVIGATION

Making an approach to Blyth Harbour a skipper of a yacht reports that the white flash 4 light is out – all he can see is red one. What might this mean? What advise might you give the skipper?

This means that he is now in the danger area.
My advice would be to change course and steer South East until he can't see the fixed red anymore, then head towards the Blyth Bell bouy which should be flashing green and then the harbour as long as he feels it's safe to do so.

.....
...

What is the name of the dangerous sand banks just to the east of Spurn Point

The Binks.

.....
.....

10 points

OTHER ASSETS AND SOURCE INFO

Police Air Assets, Where are they? What are they? How would Humber MRCC call them to assist in an incident?

I55 Police Helo located at Teesside Airport.

I99 Police Helo located at Newcastle Airport.

099 Police Helo located at Humberside Airport

Contact through the relevant Police Control Room, though we do have direct dial numbers. It would be a Police decision as to whether or not they could assist.

.....
.... **10 points**

REGIONAL MAJOR INCIDENT PLANS

Which Government Department is responsible for the development of Flood Warning Plans?

Environment Agency.

Which road in Bridlington is at risk from 'Tidal' flooding?

Harbour Road.

Will the Coastguard station at Hornsea flood according to the East Riding of Yorkshire plan?

Hornsea Coastguard station would not flood, it is just outside the flood plan.

Define 'Fluvial' flooding?

This type of flooding is caused by high tides and or inclement weather breaching sea defenses or river banks.

Where are the 'Local Flood Watch Boundaries for the North East Region and is Cleethorpes in this area?

The North East Region is from Berwick upon Tweed down to County Durham Border (Peterlee on the coast and Darlington inland.)
Cleethorpes is not in this area.

.....
.... **15 points**

POLLUTION

Name the Eastern Region CPSO and where is his office located?

The Eastern Region CPSO and his office is located Thames.

.....
.....

What is the definition of a Tier 2 situation?

A medium sized oil spill – regional assistance arrangements invoked.

.....
.....

5 points

RADIO COVERAGE

Identify radio coverage 'black spots' in the Whitby and Scarborough sectors, how are these problems resolved operationally.

.....
..... East Cliff Whitby, Runswick Bay, Robin Hoods Bay, Staithes, Hayburn-Wyke and Scalby Ness can all be radio Black Spots in the Whitby and Scarborough Sectors. To resolve these problems a CRV can be parked at a high vantage point and used to relay messages back to the Operations room.

.....
.....

5 points

OPS ROOM EQUIPMENT

List five operational reasons that access to the Internet is becoming essential in the Ops Centre.

.....
.....
.....
.....

If requested to archive an incident to CD, for the RCCM, explain the process you would follow.

.....
.....

15 points

RECEIVER OF WRECKS

Within Humber District are there any 'Historic Wrecks'?
Where would get more details on historic wrecks?

.....
..... Within the Humber District we have a protected wreck in Filey Bay and also one off Seaton Carew.
Information can be obtained on these wrecks and more from local dive clubs and also a publication called Wrecks of the North East Coast.

.....
..... **5 points**

CHARTS AND PUBLICATIONS

Identify the most suitable chart to plot a man overboard situation in position in position Lat 53 20N Long 001 45'E

Chart

.....
.....Which publication describes Submarine Indicator buoys?

The Annual Summary of Admiralty Notices to Mariners

.....
.....

Where would you find the mean sea surface temperature for February and November? And what does it say about the topography between Whitby to Scarborough?

North Sea West Pilot Book.

The coast between Whitby and Scarborough is cliffy, fringed by rocky ledges and relatively step-to.

.....
.....

What publication could give us a picture of fishing vessel WH 296 What types of vessel is it.

The Fishing Vessels of Britain and Ireland.
WH 296 is a potter called the Portland Isle.

.....
..... **10 points**

TUGS AND TOWING

A world class towing and salvage company has a Principal Location in Humber District. What name, location and name two of their tugs

Svitzer

.....
.....

Which company operates the tug services in the Port of Tyne? Identify two of their vessels.

The Svitzer-Weismuller Towing Company operates in the Port of Tyne and two of their vessels are Rowengarth and Yarmcross.

.....
.....

10 points

Liverpool

MRCC Liverpool

Area Local Knowledge Test

Spring/Summer '10

This test, the questions for which will change everytime, should be completed under the supervision of the Watch Manager, not necessarily under strict exam conditions, however reference material (maps, books and I.T. equipment) should not be used. Once completed, the test should be forwarded to the Rescue Co-ordination Centre Manager. The test should be seen as an opportunity to identify areas of strength and weakness, not only to the individual but within the watch. Through this the Area Management Team will hopefully be better informed when identifying areas for further staff training and visits on Local Knowledge Area Patrols.

1. List the non-RNLI, Marine Search and Rescue assets, (Declared and Additional) and explain what facilities they have available.

Port William IRB – Landrover, RHIB and Landrover
Mossyard IRB – Inflatable with outboard and VHF Radio
Nith Rescue IRB – Landrover, RHIB + Inflatable, VHF Radio and Slipway
Burgh by Sands – Argocat
Maryport IRB – RHIB and Landrover
Duddon IRB – RHIB and Tractor, Quadbikes
Haverigg IRB – RHIB and Tractor
Walney Island CRT – MCA Peregrine
Arnside CRT – Jetski and Argocat
Bay Rescue – Haggeland x 2, Airboat and 4X4 (2)
Southport Rescue IRB – RHIB, Inflatable and Quadbikes
Crosby CRT – Inflatable
Marine Fire 1 – RHIB plus Airport Slideraft
Ronaldsway Rescue – Inflatable
Blackpool Beach Patrol – Jetski, Quadbikes and 4X4
Wirral Beach Patrol – 4X4's

2. Name the Coastguard Rescue Teams in the District, stating their capabilities and the name of the Station Officer for each.

Isle of Whithorn – Search/Cliff Rescue –
Kirkcudbright – Search/Cliff Rescue –
Port Ling – Search/Cliff Rescue –
Burgh By Sands – Search/Mud Rescue –
Maryport – Search/Cliff Rescue –
Whitehaven – Search/Cliff Rescue –
Millom – Search/Mud Rescue –
Walney Island – Search/Mud Rescue –
Arnside – Jetski/Argocat/Mud –
Knott End – Search/Mud Rescue –
Fleetwood – Search/Mud Rescue –
Lytham – Search/Mud Rescue –
Crosby – Search/Mud Rescue –
Hoylake – Search/Mud Rescue –

Ramsey – Search/Cliff Rescue –
Douglas – Search/Cliff Rescue –
Castletown – Search/Cliff Rescue –
Port Erin – Search/Cliff Rescue –
Peel – Search/Cliff Rescue –

3. If an incident occurred off the coast of Cumbria, who would decide on the hospital that a casualty would be taken to? Name the possible hospital destinations should an incident occur off the coast of Cumbria or Lancashire?

Northwest Ambulance Service

Carlisle General, Furness General, West Cumbria, Lancaster Royal Infirmary, Blackpool Victoria, Preston General, Southport General and Ormskirk.

If an aircraft (SAR Helo) is utilised, then the captain of the aircraft may attempt to override the ambulance authority when arriving on scene and the winchman (Paramedic Trained) briefs him on the casualties state.

4. Around Liverpool District there are a number of significant headlands which are sometimes referred to in range and bearing by casualties at sea or on the coast. Can you name them?

Mull of Galloway Light, Burrow Head, Balcary Point, Ringdoo Point, St Bees Head, Sunderland Point, Humphrey Head, The Battery, Rossall Point, Formby Point, Point of Ayre.

Point of Aire, Douglas Head, Maughold Head, Peel Castle, Spanish Head, Jurby Head, Calf of Man

5. Name the major commercial ports in the District and list the VHF channels they use for normal working traffic.

Silloth – VHF Channel 12
Workington – VHF Channel 08
Whitehaven – VHF Channel 14
Barrow in Furness – VHF Channel 14
Heysham – VHF Channel 12
Fleetwood – VHF Channel 12
Liverpool – VHF Channel 09/11/12
Mostyn – VHF Channel 12

6. What are the areas of shallow water, to the North East of the Isle of Man called and what type of Navigation Marks would you find there?

Bahama Bank – South Cardinal Buoy
Whitestone Bank – East Cardinal Buoy
King William Bank – East Cardinal Buoy

7. What off the coast of Cumbria is often reported to us as a vessel in difficulty?

Selkie Rocks/South Workington Buoy

8. Name the Offshore Platforms/Fields in Liverpool District and what they produce? Which airport is used for the helicopter crew transfers and who are the operating company?

Millom Field – Gas
North Morecambe – Gas
South Morecambe (CPC1/APP1/DP1) – Gas
DP3,DP4,DP6 and DP8 – Gas
Calder Field – Gas
Rivers Field – Gas
Bains Field – Gas
Hamilton North – Gas
Hamilton South – Gas

Lennox – Oil and Gas
Douglas – Oil
Offshore Storage Installation (OSI) – Oil

Blackpool Airport is the main heliport utilised for Offshore Flights.

Bond Helicopters are the operating company for these flights.

9. Where in the Area, including North Wales, are the Police Air Assets?
Where are they based and how are they tasked?

Police 21 – Preston – Lancashire Police Control or Direct to the Flight

Mike 1 - RAF Woodvale – Merseyside Police Control or Direct

D66 – Hawarden Airport – Cheshire Police Control

NW1 – Kinmel Bay – North Wales Police Control

10. If a vessel reported sighting Oil 4 miles West of Formby Point, what Information would you ask them for and who would you inform?

The size of the slick, Colour, Any significant odour, On scene weather, Can they obtain a sample, Is it likely to disperse, Any vessels in the immediate vicinity that can be identified.

Duty CPSO (On their authority release a POLREP to the relevant addressees). Liverpool Port Operations as the position is within Port Limits. Also check AIS.

11. What do you understand by the term “Tier 3” Pollution Incident.

A pollution incident outwith the scope of local authorities and requiring the activation of the National Contingency Plan.

12. If you were on watch and received a report that a JCB had severed the line to the aerial site at Langthwaite, how would you deal with it?

Report the fault to BT in the normal manner.

Man the Remote Radio Site ensuring that the DSC ECP was despatched to provide DSC cover.

Phone Heysham/Fleetwood Ports and ask them to alert inbound/outbound shipping.

Inform the relevant SAR Assets that would be affected.

Inform the Duty Area Officer.

Inform the Hydrographer to compile a WZ Navigation Warning.

13. A porpoise is washed up on the beach at Sandscale Hawes, where is this, which sector is it in, which team is closest and what would you do with the report?

Askam in Furness – Cumbria – Walney Island

Once the report has been received from the Walney Team it would be faxed to the National History Museum in London. The Receiver of Wreck would also be informed.

14. Where would you find details of the Emergency Procedures to Supplement any SAR action for an incident involving a collision between a Coastal Tanker and an Offshore Platform in the Morecambe Bay Gas Field? Which RNLI Lifeboats would you consider tasking to this incident? Where would “Gold Command” be situated for this event?

Coastal and Maritime Incidents Plan which is owned by Lancashire County Council. Plan Poseidon would also be activated which is a Lancashire Police Plan.

Barrow, Fleetwood and Lytham All Weather Lifeboats. The rig standby vessel would also be called upon to utilise his FRC and hospital facilities.

Gold Command would be situated at Lancashire Police Headquarters in Hutton near Preston.

15. What air assets are available to an incident off West Kirby?

R122 (Valley)
R131 (Boulmer)
R177 (Prestwick)
R116 (Dublin)

(if large enough incident, SAR helicopters will be brought in from other districts.)

NW air ambulance
Cheshire air ambulance
Mersey Police helicopter MIKE1
Lancashire Police helicopter POLICE21

16. Which Police Forces would you expect to deal with when prosecuting incidents in our Area of responsibility?

Dumfries and Galloway
Cumbria
Lancashire
Greater Manchester
Merseyside

Cheshire
North Wales
Isle of Man
Gardai
Civil Nuclear Constabulary

17. By what alternate name is the River Douglas often referred to by casualties and members of the public?

River Aslan

18. If you received a call requesting help and the caller stated that they were on the Tower of Refuge. Where would they be and who would you task?

The caller would be on the island in Douglas Bay, Isle of Man.
The MOC in Douglas Harbour would be informed and Douglas Lifeboat would be tasked.

19. Where are the Marine Laboratories situated on the Isle of Man? Which class of RNLI Lifeboat is located there?

Port Erin.
Atlantic 85 Class

20. H.M. Coastguard is now responsible for SAR Co-ordination on the four main lakes in the English Lake District. Which are they and which Mountain Rescue Teams are able to be called upon to assist should incidents occur on them?

Lake Windermere – Ambleside Mountain Rescue Team
Derwent Water – Keswick Mountain Rescue Team
Ullswater – Patterdale Mountain Rescue Team
Coniston Water – Coniston Mountain Rescue Team

21. What is unique about prosecuting incidents at Sunderland Point? Which assets would you task?

Sunderland Point is a causeway that covers at high tide making it impassable. It is the only part of Liverpool District that has its own Emergency Action Plan.

Assets to call would be – Morecambe RNLI Lifeboat and Hovercraft
Morecambe Coastguard Rescue Team
Lancashire Fire and Rescue/Police
Knott End Coastguard Rescue Team
SAR Helo (If incident serious enough)

22. Where is Savick Brook, what is it used for and what sort of casualties would you expect from this location?

It heads north from the River Ribble and is the Link into the Millenium Ribble Link and from there into the Lancashire Canal system.

Canal Boats.

23. Where is Pickerings Pasture and which resources would you send to an incident at this location?

It is up the River Mersey just downstream of the Runcorn/Widnes Bridge, on the Trans Penine Way. You would send Marine Fire One, New Brighton Inshore Lifeboat/Hovercraft and either/or Hoylake/Crosby Coastguard Rescue Teams.

24. What is unique about the RNLI All Weather Lifeboat at Workington.

It is the only Lifeboat in the District that is "Davit" Launched.

25. The names below are how the majority of members of the public refer to places within the District. Where are they and which units would you task?

Ocean Edge Caravan Park – South of Heysham – Morecambe IRT
Fairhaven Lake – Lytham St Annes – Lytham CRT
Jenny Browns Point – Silverdale just south of Arnside – ARNCRT
Sandscale Hawes – Duddon Estuary – WISCRT
Norbreck Castle – North Blackpool Promenade – FWDCRT
Auchenlarie Caravan Park – Fleet Bay – KKBCRT
Spike Island – Upstream of Runcorn Bridge – CROCRT/HLKCRT
Luce Sands – Head of Luce Bay – IOWCRT/Drummore CRT
Golden Ball – Pub on the River Lune – MORIRT/KNECRT
Hole in the Wall – Wirral Coast – HLKCRT/NBRIRT
Glitter Ball – Blackpool South Promenade – LSACRT
Windmill – Lytham St Annes – LSACRT
Jubilee Bridge – Bridge across to Walney Island - WISCRT

London CG

London Coastguard Local knowledge Test

Version 1

Verbal Test: To be completed by Watch keeping staff on Secondment or Detached Duties to London approximately 3 months after joining London.

Subject Areas

Section 1

Awareness of Byelaws, general directions, Dangerous Substances in bulk byelaws
Passmark – 14/20

Q1. What is a specified cargo?

A. Explosives (class 1 excluding class 1.4) in excess of 10kg Net explosive quantity

LNG in bulk, LPG in bulk.

Flammable liquids and substances in bulk

Toxic and corrosive substances in bulk

Q2. Why are there special directions for specified vessels?

A. For the safety of navigation on the River/ Risk management.

Q3. What are they?

Maintain at least one quarter of a mile from any reporting vsl or passenger vsl. May be reduced for overtaking with specific permission of harbourmaster.

Q4. What vessels are required to have onboard VHF on the river?

A. Reporting Vsl's, VsIs more than 20m in length overall, Passenger Boats, Tugs, Bunker vsIs and vsIs engaged in fishing.

Q5. What incidents are required to be notified to the Harbourmaster immediately they occur?

A. Where a vsl has sunk, been damaged, has caused damage to anything or is on fire, has grounded, is carrying liquid and spillage has occurred, has fouled anchor or cable on underwater obstruction.

Q6. What restriction would a Harbourmaster place on movement of craft damaged in an incident and why?

A. Restrict movement until such time as reason for the damage could be ascertained and inspected as to the craft seaworthiness. For the safety of other river users and the safety of the crew of the damaged vessel.

Q7. What powers does a Harbourmaster have to direct shipping?

A. Powers to issue special directions i.a.w. the Port of London Act 1968 section 112

Q9. Describe restrictions of movements in fog, what vessels does this apply?

A. A vessel of 40 metres or more in length which is not equipped with an operational radar shall not enter the river Thames.

No vessel of 50 metres or more shall navigate through the Thames barrier when visibility is less than .5nm

Q10. What are the Diving operations in progress signal on the river?

A. An illuminated replica of code flag A not less than 1 metre in height.

During the day a red flag not less than 1 metre square exhibited in a position as close as possible to divers point of entry.

Q11. What are Bunkering operations signal?

A. Red Flag by day and all round red light at night.

Q12. What is the signal to provide when being overtaken?

A One long one short one long one short blast on the ships whistle.(Morse Charley)

Q13 Survey operations in progress?

A Three all round lights red white red or by day three shapes two balls with a diamond between

Q14. Describe ferry movement byelaw?

A power driven vessel operating as a ferry below tower bridge shall exhibit the word ferry painted in letters of not less than 1 metre and of

proportionate breadth on each side of and in a colour contrasting with the colour of the hull or superstructure.

By night two all round lights amidships in a vertical line not less than 2 metres apart and not more than 3 metres. Blue over white.

Q15. Terms 4 and 1, 4 and 2 what do they mean?

A. 4 and 1 means turning to stbd and 4 and 2 turning to port (as per sound signals in colregs)

Q16. Signals for bridge arch closed to navigation?

A By night 3 red lights in shape of equilateral triangle point down
By day 3 red discs in shape of equilateral triangle point down.

Q17. Describe bridge iso-light warning system?

A High intensity white light visible by both day and night which is activated by a keying device on board reporting vessels. When activated by a single vessel the characteristics are isophase white 4 seconds. ie 2 on 2 off.

Q18. Give a brief explanation on the Ports emergency system?

Contingency plans to cover all emergencies on the river. Would normally be instigated by DPC Gravesend or DO tbnc backed up by harboutrmaster. Covers all major incidents likely to occur and has action plans for all.

Q19. What berths on the river hold a explosive licence?

A. Alpha jetty Gravesend and mucking anchorage

Q20. Who would you ask for details of berths holding explosive licences?

A Harbour master lower

Section 2

Local knowledge

Passmark 23/32.

Q1. List in order bridges from Lambeth outwards

A. Westminster, Hungerford Waterloo, Blackfriars, Blackfriars rail
Millenium footbridge
Southwark Cannon street rail, London bridge, Tower Bridge, Dartford
bridge.

Q2. Describe Westminster Bridge?

A. Arched road bridge 7 arches

Q3. Where would you find details of bridges number of arches, navigable spans and A height.

A. In the Port of London Authority river byelaws booklet. Mariners Guide
to Bridges on the Thames

Q4. Describe Fulham Railway Bridge.

A. Arched Rail Bridge with 5 spans across the river 3 further spans
across the shore

Q5. Describe Canon street bridge what is the principal difference between
Southwark Canon Street.

A. Southwark bridge is an arched bridge Canon Street rail bridge is a flat
soffit bridge. Hdg downstream canon street bridge has tower on north side of
river

Q6. Describe banks between Vauxhall Bridge and Victoria Rail?

- Upstream of Br residential property
- Dinghies moored + Westminster Boasting BWC

- River path/ Embankment tree lined and railings.

Q7. What time does the weir open at Richmond.

A. 2 hrs either side of HW

Q8. Which bridge has the lowest head room

A Hammersmith. 3.6 MHWS

Q9. what colour is Blackfriars Road Bridge

A. Red/White and Black

Tidal

Q10. What is the tidal spring & neap range at Tilbury

A. Approx 6.0 m on springs and 4.5 on neaps.

Q11. What is the tidal spring and neap range at Woolwich

6.6 on springs and 3.5 on neaps.

Q12. What is the average speed of the tide flow at Woolwich / Gravesend on the flood and ebb?

A. Woolwich 2.5 flood and 3.0 ebb Gravesend 2.0 flood and 2.5 ebb

Q13. Describe how the tide runs round Blackwall Point, Broadness, and Tilburyness on the flood?

A. Blackwell – N Shore. Broadness – N Shore. Tilbury S Shore.

Q14. What is an eddy current?

A. Circular motion in water (horizontal) differing from general direction caused by obstructions, beaches, banks, rocks etc.

Q15. What depth of water is there in the Lower Pool at CD?

A. 3M at C D within the Channel.

River / Shore general

Q16. List names of Reaches Richmond to Crayfordness?

A. Syon, Mortlake, Corney, Chiswick, Barn Elms, Wandsworth, Battersea, Chelsea, Nine Elms, Lambeth, Kings Upper/Lower Pool, Limehouse, Greenwich. Blackwell, Bugsby, Woowich, Gallions, Barking.

Q17. List names of Reaches from Crayfordness to Sea Reach.

A. Halfway, Erith, Reach/Rands, Long reach, St Clements (Fiddlers), northfleet Hope, Gravesend, Lower Hope, Sea Reach.

Q18. Where is Cuckolds Point?

A Lower Pool/Limehouse. Opposite Limehouse Basin. Upstream of Hilton/Scandic Crown/ Nelson Dock.

19. Location of Brentford marina?

A. Above Brentford Eyot, N end Syon Reach, N side.

Q20. Location of Shadwell basin?

A. N side Lower Pool.

Q21. Where is Bankside?

A. South side between Southwark and Blackfriars Bridges – Millennium Foot Bridge

Q22. Where is Festival pier?

A. Kings Reach, South Side, between Waterloo and ChX (Hungerford)

Q23. Name working berths used for the London's waste trade?

A. Becton, Putney, Tower Bridge, Wan-gas (Wandsworth Gas), Cringle Dock, Walbrook Wharf.

Q24. List Working Piers in Central London area. (West of Tower.)

A. Tower, LBC, Bankside, Blackfriars, temple, savoy, Festival, Embankment, Waterloo, Westminster.

Q25. Describe Richmond lock / Bridge.

A. Footbridge forming part of Lock and Weir. 5 Span Bridge. First point of water level control upstream of Thames Barrier. Free flow 2 hrs either side of HW 3 steel gates.

Q26. What happens at low water at Richmond during spring tides and what effect does it have on in sending craft through the area?

A. Shallow, can use rollers for small boats.

Q27. Where is the entrance to Regents canal?

A. Limehouse.

Q28. Where is Bow lock?

A. Bow Creek.

Q29. Give names of principal Gas Berths on the river?

A. Harrisons (CO2)

Vopak (LPG)

Coryton (LPG)

Canvey (Calor)

Q30. What are the locations of main Thames water sewage plants.

A. Northern Outfall / Southern Outfall.

Q31. List locations suitable for landing casualties in following?

(a) Chelsea Reach Cadogen Pier

(b) Longreach ? Erith Yacht Club / Geenhithe Causeway

(c) Gravesend? Terrace Pier

(d) Thameshaven? [Canvey](#)

Q32. At night how would you gain access to Central London piers to gain access to the river for emergency services?

A. [LRS Key \(RNLI/PLA launch/Police\)](#)

Portland

MRCC PORTLAND



LOCAL KNOWLEDGE FAMILIARISATION

**DISTRICT GAZETTEER &
EXAMINATION QUESTIONS**

LYME SECTOR

WEYMOUTH SECTOR

EAST DORSET SECTOR

Issue 8 – December 2010

[Filepaths for 'read-only' electronic copies:](#)

Portland – *F:\Shortcuts\Operations\Portland District Data\Local Knowledge Q&A.doc*

PORTLAND COASTGUARD - DISTRICT GAZETTEER

1. DISTRICT GUARD:

TOPSHAM (EXETER) to CHEWTON BUNNY (DORSET/HANTS COUNTY BOUNDARY)

DISTRICT DIVIDED INTO 3 SECTORS: **LYME BAY**; **WEYMOUTH** and **EAST DORSET**

2. DECLARED SAR RESOURCES:

- RESCUE CO-ORDINATION CENTRE (RCC) at Custom House Quay WEYMOUTH
 - 24 x Full-time Coastguards in 4 Watches, plus Admin Staff
- 12 x COASTGUARD RESCUE TEAMS (**CRT**), + 1 x INITIAL RESPONSE TEAM (**IRT**)
- 1 x AW139 COASTGUARD RESCUE HELICOPTER – at Osprey Quay PORTLAND
- 4 x RNLI ALL-WEATHER LIFEBOATS (**ALB**) at:
 - EXMOUTH
 - WEYMOUTH
 - SWANAGE
 - POOLE
- 6 x RNLI INSHORE LIFEBOATS (**ILB**) at:
 - EXMOUTH
 - LYME REGIS
 - WEYMOUTH
 - SWANAGE
 - POOLE
 - MUDEFORD
- 1 x INSHORE RESCUE BOAT (**IRB**) – Private Declared Resource at SIDMOUTH
- RNLI BEACH LIFEGUARDS at:
 - EXMOUTH (MAIN BEACH and SANDY BAY)
 - WEST DORSET (LYME REGIS, CHARMOUTH and WEST BAY)
 - WEYMOUTH
 - POOLE BAY (SANDBANKS to SOUTHBOURNE)
 - CHRISTCHURCH (AVON BEACH and FRIARS CLIFF)
- 1 x NATIONAL COASTWATCH LOOK-OUT at PORTLAND BILL

3. ADDITIONAL SAR RESOURCES:

- DORSET MARINE POLICE **RIBs** (1 at Portland, 1 at Poole)

- DEVON and/or DORSET POLICE HELICOPTERS
- COUNCIL and/or VOLUNTEER BEACH LIFEGUARD UNITS at:
 - EXMOUTH
 - WEYMOUTH and PORTLAND HARBOUR
 - POOLE, BOURNEMOUTH and BOSCOMBE
 - SOUTHBOURNE
 - HIGHCLIFFE
- COASTWATCH LOOK-OUT'S AT at: EXMOUTH, St ALBANS HEAD AND SWANAGE

4. IMMEDIATE FLANK RESOURCES:

2 x AW139 COASTGUARD RESCUE HELICOPTERS - based at Lee on Solent

RNLI LIFEBOATS at: TEIGNMOUTH, TORBAY & SALCOMBE – (WEST)

ALDERNEY & GUERNSEY CI

– (SOUTH)

LYMINGTON, CALSHOT & YARMOUTH – (EAST)

DECLARED RESOURCES - LOCATIONS

<u>GRID</u>	<u>FULL NAME</u>	<u>P/CODE</u>	<u>CHART</u>	
	RCC / WEYMOUTH SECTOR BASE			5036.4N –
00227.1W		195 / 680.787	DT4 8BE	
	EXMOUTH CRE			
	5037.7N – 00322.7W		192 / 025.820	EX8 4EZ
	BEER CRE			
	5041.6N – 00305.5W		192 / 228.889	EX12 3AG
	LYME SECTOR BASE / LYME CRE			5043.4N –
00256.5W		193 / 335.920	DT7 3LD	
	WEST BAY CRE			
	5042.6N – 00245.8W		193 / 461.904	DT6 4EP
	WYKE CRE			
	5036.1N – 00227.0W		194 / 681.780	DT4 8RW
	PORTLAND BILL CRE			
	5033.1N – 00226.2W		194 / 690.725	DT5 1BW
	LULWORTH CRE			
	5037.1N – 00215.1W		194 / 822.800	BH20 5RH
	KIMMERIDGE CRE			
	5036.5N – 00206.4W		195 / 924.788	BH20 5PE
	St ALBANS CRE			
	5035.7N – 00202.7W		195 / 967.772	BH19 3LQ
	SWANAGE CRE			
	5037.1N – 00157.4W		195 / 029.799	BH19 1NR

POOLE CRE (Nuffield Unit 5)			5044.4N –
00158.8W	195 / 014.935	BH17 0UG	
E.D SECTOR BASE (Poole Quay Office)		5042.7N – 00159.2W	195
/ 009.902	BH15 1HA		
SOUTHBOURNE CRE			
5043.2N – 00147.3W	195 / 149.912	BH6 4BJ	
EXMOUTH LIFEBOAT HOUSE			5036.6N –
00323.9W	192 / 011.799	EX8 2AY	
SIDMOUTH IRB STATION			5040.7N –
00314.0W	192 / 128.872	EX10 8BE	
LYME LIFEBOAT HOUSE			5043.2N –
00256.3W	193 / 338.916	DT7 3JJ	
WEYMOUTH LIFEBOAT HOUSE			5036.4N –
00226.9W	194 / 682.787	DT4 8TX	
WEYMOUTH ILB HOUSE			
5036.4N – 00226.9W	194 / 683.787	DT4 8TX	
SWANAGE LIFEBOAT HOUSE			5036.4N –
00156.7W	195 / 038.786	BH19 2AY	
POOLE LIFEBOAT HOUSE			5042.7N –
00159.4W	195 / 006.903	BH15 1HA	
MUDEFORD LIFEBOAT HOUSE			5043.4N –
00144.4W	195 / 183.916	BH23 4AB*	
SAR HELICOPTER BASE PORTLAND			5034.0N – 00226.8W
194 / 683.742	DT5 1BL		
BERRY HEAD RRS – D/F			
5023.9N – 00329.0W	202 / 946.565	-----	
BEER RRS			
	5041.4N – 00306.3W	192 / 219.885	-----
PORTLAND (GROVE POINT) RRS – D/F		5032.9N – 00225.1W	194
/ 703.721	DT5 1DL*		
BINCLEAVES RRS			
5036.1N – 00227.0W	194 / 681.780	DT4 8RW	
WEYMOUTH (RCC) RRS			
5036.4N – 00227.1W	194 / 680.787	DT4 8BE	
St ALBANS RRS			
5034.7N – 00203.3W	195 / 960.755	BH19 3LN	
NINE BARROW DOWN RRS			5037.8N –
00159.1W	195 / 010.811	-----	
HENGISTBURY HEAD RRS – D/F			5042.9N –
00145.4W	195 / 171.906	-----	
NEEDLES RRS			
5039.6N – 00134.6W	196 / 300.847	-----	
TORBAY HOSPITAL (College Field HLS)		5028.7N – 00332.4W	202
/ 907.654	TQ2 7AA*		
RD&E HOSPITAL (Wyvern Barracks HLS)		5042.6N – 00330.6W	192
/ 933.912	EX2 5DW*		
EXMOUTH HLS (Imperial Rec)			5037.2N –
00325.2W	192 / 995.811	EX8 1DG*	
DORCHESTER HLS (Rugby Field)			5042.4N – 00227.3W
194 / 678.899	DT1 2HX*		
DORCHESTER HOSPITAL HLS (A&E)			5042.7N – 00226.8W
194 / 685.903	DT1 2JY		

KIMMERIDGE HLS (Top Field)			5036.5N –
00207.5W	195 / 911.788	BH20 5PF*	
POOLE HLS (Whitecliff Park)			5042.8N –
00157.3W	195 / 032.905	BH17 7RP	
BOURNEMOUTH HLS (St Peters Jnr Sch)		5044.5N – 00149.1W	195
/ 128.936	BH7 6RG		
ROYAL BOURNEMOUTH HOSPITAL HLS		5044.8N – 00149.2W	195
/ 126.941	BH7 7DW		
CHRISTCHURCH HLS (BAe Sports Field)		5044.4N – 00144.2W	195
/ 185.935	BH23 4JE*		
POOLE RECOMPRESSION CHAMBER			5043.2N – 00158.4W
195 / 018.911	BH15 2NN		
EXMOUTH NCI			
	5036.8N – 00324.6W	192 / 002.802	EX8 2JY
PORTLAND BILL NCI			
5031.3N – 00227.4W	194 / 676.692	DT5 2JT	
St ALBANS HEAD NCI			
5034.7N – 00203.3W	195 / 960.755	BH19 3LN	
PEVERIL POINT (Swanage) NCI			5036.4N –
00156.7W	195 / 040.786	BH19 2AY*	
MCA TRAINING CENTRE HIGHCLIFFE			5044.1N – 00143.3W
195 / 196.928	BH23 4JQ		

*Nearest Road/Houses

SAR RESOURCES – DETAILS

1. <u>CRT:</u>	<u>SO's and DSO's</u>	
<u>OP DESIGN</u>	<u>CRV</u>	
EXMOUTH	COLES / HOWELL	
CLIFF/SEARCH/MUD	TOYOYA HILUX	
SIDMOUTH (IRT)	KING / NEWBURY	
BASIC SEARCH	-----	
BEER	HOARE.T / DRIVER	
CLIFF & SEARCH	L/ROVER DEF	
LYME	TURNER / BEARPARK	
CLIFF/EXT SEARCH/MUD	TOYOTA HILUX	
WEST BAY	COLLINS / KNIGHT	
CLIFF & SEARCH	NISSAN NIVARA	
WYKE	FAGG / BARNES	
CLIFF & SEARCH	NISSAN NIVARA	
PORTLAND BILL	McCOLM / GOULD.D	CLIFF & SEARCH
	TOYOTA HILUX	
LULWORTH	BURT / PACK	
CLIFF & SEARCH	TOYOTA HILUX	
KIMMERIDGE	BAKER / BYRDE	
CLIFF & SEARCH	TOYOTA HILUX	
St ALBANS	BUGLER.J / BUGLER.I	CLIFF &
SEARCH	TOYOTA HILUX	
SWANAGE	BROWN.I / ROCKETT	
CLIFF & SEARCH	NISSAN NIVARA	

POOLE

EXT SEARCH/MUD

SPICER / BRADFIELD
NISSAN NIVARA

SOUTHBOURNE
SEARCH/CLIFF

BROLAN / FEAST
NISSAN TERRANO

EXT

2. LIFEBOAT OPERATIONS MANAGERS

EXMOUTH
SIDMOUTH
LYME
WEYMOUTH
SWANAGE
POOLE
MUDEFORD

3. HARBOURMASTERS

EXMOUTH
LYME
WEST BAY
PORTLAND
WEYMOUTH
POOLE
ALDERNEY
GUERNSEY
JERSEY

CRT DETAILS

NAME
GUARD
CRE

EXMOUTH

TOPSHAM – LADRAM BAY
Concorde Road **EX8 4EZ**

BEER LADRAM BAY – ALL
HALLOWS Common Lane **EX12 3AG**

LYME ALL HALLOWS –
SEATOWN Sidmouth Road **DT7 3LD**

WEST BAY SEATOWN – ABBOTSBURY
George Street **DT6 4EP**

WYKE ABBOTSBURY –
WHITE NOTHE Bincleaves L/o **DT4 8RW**

PORTLAND PORTLAND - FERRYBRIDGE
Easton Lane **DT5 2JT**

LULWORTH WHITE NOTHE–WORBARROW
Lulworth Cove **BH20 5RH**

KIMMERIDGE WORBARROW–ROPE LAKE HD
Smedmore Hse **BH20 5PD**
+ POOLE HARBOUR:
BOWER - HOLTON

St ALBANS ROPE LAKE–DANCING LEDGE
Worth Matravers **BH19 3LQ**
+ POOLE HARBOUR:
ARNE PENINSULAR

SWANAGE DANCING LEDGE–MIDDLEBEARE
De Moulham Rd **BH19 1NR**

POOLE HOLTON HEATH – B'MOUTH
PIER Nuffield Ind Est **BH17 0UG**

SOUTHBOURNE B'MTH PIER–CHEWTON BUNNY
Admiralty Road **BH6 4BJ**

CRT STATION OFFICERS

<u>TEAM</u>	<u>MNEM</u>
<u>STATION OFFICER</u>	<u>D/STATION OFFICER</u>
EXMOUTH	<i>EXCRT</i>
SIDMOUTH	<i>SIDIRT</i>
BEER	<i>BERCRT</i>
LYME	<i>LYMCRT</i>
WEST BAY	<i>WBCRT</i>
WYKE	<i>WYKCRT</i>
PORTLAND	<i>PBCRT</i>
LULWORTH	<i>LULCRT</i>
KIMMERIDGE	<i>KGCRT</i>
St ALBANS	<i>SALCRT</i>
SWANAGE	<i>SWCRT</i>
POOLE	<i>PLECRT</i>
SOUTHBOURNE	<i>SOCRT</i>

LOCAL KNOWLEDGE EXAMINATIONS

A comprehensive appreciation of all local knowledge is a requisite for a proficient Coastguard Officer. CG3 Vol I Chapter 2 Section 10 sets out the requirement; In order to meet the responsibilities outlined in 10.1 it is necessary that all grades of Coastguard Officers on first joining a new station should acquire a thorough local knowledge of all available Declared and Additional SAR facilities, navigational hazards, coastal features, shipping activity and potential SAR problems within the Area. It is equally important that this essential knowledge of the professional Coastguard officer is maintained and regularly updated as part of their continuing professional development programme. The district management team are agreed that individual and watch Local knowledge visits are both encouraged and will be resourced. Additional learning opportunities will supported by a rolling programme of local knowledge walks across the entire District with such Local knowledge walks being fully risk assessed and guided by a local Coastguard Rescue Officer(s).

CG3 extract;

10.2 LOCAL KNOWLEDGE TESTS

10.2.1 New Entry Officers

There is a requirement for all New Entry Officers to be tested in the Local Knowledge of their **Area**. Successful completion of this is a requirement of the New Entry Training, and no new officer can be established in their respective grade without having passed a Local Knowledge Test.

Rescue Co-ordination Centre Managers (RCCMs) are to continue to arrange for New Entry Officers to be given the opportunity to acquire local knowledge through coastal patrols and visits. They should also arrange for local knowledge to be tested via informal local knowledge training exercises whilst on watch.

The aim of such exercises should be to prepare the officer for the formal test and identify areas of weakness so that the officer can bolster such knowledge where needed. Additionally, it is important that the Watch Manager and the New Entry Officer can establish from these exercises whether the required level and depth of knowledge is being attained.

Guidelines for the Local Knowledge Test are given in the Annex A, and New Entry Officers should familiarise themselves with the likely content.

10.2.2 Officers on Transfer

The guidelines at Annex A are also to be used for officers on transfer. RCCMs are to set tests which assess the local knowledge of Watch Managers, Watch Officers and Coastguard Watch Assistants (Ops) within three months of arrival at their new MRCC. They are to ensure that an acceptable level of local knowledge is achieved, which as a minimum, is to be taken as that expected of a new entry officer - see 10.3.2 below.

10.2.3 Continuation Training

All staff must ensure that their Local Knowledge is kept up to date. Apart from direct study, this can be achieved by assisting others, who are new to the service or co-ordination centre, or as a watch training exercise. All officers are to be re-examined in local knowledge at least once every two years and the results recorded in the MRCC CG12.

If RCCMs are in any doubt as to the level of local knowledge of any officer, at any time, that officer is to be re-examined immediately.

10.3 PREPARATION AND TESTING

10.3.1 Gathering Local Knowledge

Local Knowledge is accumulated over a period of time by a combination of studying maps, charts, data retrieval systems, emergency plans and local orders, and also visiting the areas concerned. Study sessions may take the form of reviewing individual assets throughout the Area i.e. RNLI, CRTs, air assets, topography and harbours. Eventually, the officer must be able to describe all the SAR assets and significant features within the Area.

10.3.2 **The Test and Pass Mark**

Local Knowledge Tests are of necessity predictable to an extent. For New Entry Officers the bulk of the test will be the same for all candidates to ensure that there is a sound knowledge of basic assets and features. However, where possible RCCMs should have a bank of different sets of questions from which they can draw to prevent the test from becoming too predictable.

Test papers should be made up comprising 17 questions covering the 17 areas identified in Annex A, with a mark allocation of 10 marks per question, making a total of 170 marks per paper. 136 (80%) or more is required for a pass. ***At Portland, this requirement will be applied across each individual Sector.***

For the more senior the officers being tested, in addition to basic local knowledge expected of the junior officer, they must be able to demonstrate a more detailed knowledge of emergency and contingency plans, call out procedures for emergency towing arrangements etc. and action in major pollution and salvage incidents.

10.3.3 **Failure to Achieve the Required Pass Mark**

If an officer Fails to achieve the required pass mark, they should be re-tested within a month where practical. In the unlikely event that any officer fails to achieve the required standard on a second attempt the RCCM is to make a recommendation to the CSM regarding the subsequent course of action.

LYME SECTOR

Q1 Define the Sector Boundaries:

ANS –

From the M5 Motorway bridge TOPSHAM, to Chesil Beach Car Park west of ABBOTSBURY

Q2 List the **CRT's** in the Sector, their GUARD, OPERATIONAL DESIGNATION and VEHICLE:

ANS –

EXMOUTH	Topsham to Ladram Bay	
Cliff/Search/Mud	Toyota HiLux	
BEER	Ladram Bay to All Hallows	Cliff & Search
	L/Rover Defender	
	** Includes: SIDMOUTH IRT	Basic Search

LYME	All Hallows to Seatown	
Cliff/Ext Search/Mud	Toyota HiLux	
WEST BAY	Seatown to Abbotsbury	Cliff & Search
	Nissan Nivara	

Q3 State the Names of the Sector CRT - STATION OFFICERS and DSO's

ANS –

Exmouth -	-
Beer	-
+ Sidmouth IRT	-
Lyme	-
West Bay -	-

Q4 List the **LIFEBOATS** stationed in the Sector, their Speed, Range, Endurance and Maximum Survivor Capacity:

ANS –

<u>EXMOUTH</u>	ALB	-	MERSEY	12-21
17K	145nm		7 Hrs 61	
			ILB - D Class	D-
669	20K	LoS	3 Hrs 6	
<u>SIDMOUTH</u>	IRB	-	ARCTIC 24	----- 36K
140nm	5 Hrs		20	
<u>LYME</u>	ILB	-	ATLANTIC 75	B-741 32K
15nm	3 Hrs		20	

Q5 State the names of the Sector Lifeboat OPERATIONS MANAGER's and describe the ICCS

Paging formats for each, and/or the DLA:

ANS –

Exmouth _____	BT Pager	1824 – 81#	
Sidmouth	BT Pager	Crew - quote 999 #1	*(not
RNLI)			
Lyme	BT Pager	1824 - 92	

Q6 List the Declared SAR Resources available in the Lyme Sector:

ANS – 4 x CRT's:- EXMOUTH BEER LYME WEST BAY
 1 x IRT:- SIDMOUTH
 1 x AW139 Coastguard Rescue Helicopter - c/s: **106**
 Exmouth RNLI All-Weather Lifeboat (ALB)

Exmouth RNLI Inshore Lifeboat (ILB)
 Lyme Regis RNLI Inshore Lifeboat (ILB)
 Sidmouth Inshore Rescue Boat (IRB) - **** (Privately-funded Rescue boat)**
 Exmouth, Sandy Bay, Lyme Regis & West Bay RNLI Beach Lifeguards
 (Summer only)

Q7 What Additional SAR Resources might be available in the Lyme Sector?

ANS – Exmouth RNLI Boarding Boat
 Devon and Cornwall Police Helicopter - c/s: **'Oscar 99'**
 Devon and Cornwall Police Boat (Exe) - c/s: **'K600'**
 SW Air Ambulance (Devon) - c/s:
'Helimed 183'
 Dorset Police Helicopter - c/s:
'Police 10'
 SW Air Ambulance (Dorset & Somerset) - c/s: **'Helimed 600'**
 Devon and Dorset Fire Services - **** (Neither has a Declared MIRC capability)**
 Straight Point Range Safety Craft
 East Devon Council Lifeguards (Exmouth)
 National Coastwatch Lookout Exmouth (NCI)
 Auxiliary Coastguard Reporting Members at: Burton Bradstock and West Bay

Q8 What Paging Systems are in use for the Lyme Sector CRT's?

ANS – All 4 Teams are equipped with Telephone Pagers (Vodafone)

Q9 What Declared **FLANK** Resources are immediately available to the Lyme Sector from Brixham Coastguard District?

ANS – DAWLISH IRT
 TEIGNMOUTH CRT
 TEIGNMOUTH ILB - **Atlantic 21** B-588 *'Frank and Dorothy'*
 TORBAY ALB - **SEVERN** 17-28
'Alec and Christina Dykes'
 TORBAY ILB - **D Class** D-651 *'John William Hirst'*
 SALCOMBE ALB - **TYNE** 47-022 *'Baltic Exchange II'*

Q10 Should the Portland Coastguard Helicopter not be available for an incident in Lyme Sector,
 What other Aviation resources might be available for SAR tasking?

ANS –
 1. 2 x AW139 Coastguard Rescue Helicopters at Lee-on-Solent - c/s:
104 / 105

2. MOD(RAF) Sea King Mk3 Helos at RM Chivenor, N. Devon - c/s: **169 / 170 / 171**
3. MOD(RN) Sea King Mk 5 Helos at RNAS Culdrose, Cornwall - c/s: **Navy 193 / 194**
**(2 & 3 – Request through ARCC - info BCG)
4. Dorset Police Helicopter - c/s: **Police 10**
5. Devon & Cornwall Police Helicopter - c/s: **Oscar 99** **(Request via Middlemoor Exeter)

Q11 List Four (4) items of equipment carried by the Dorset / Devon & Cornwall Police Helicopters:

ANS – Any 4 from: VHF Radio – *(Has marine band channel 0)
 Thermal Imager
 Night Vision Equipment
 Real-Time Video Camera
 Stabilised Binoculars
 Skyshout PAS
 Nite Sun
 Moving Map (GPS Based)
 Stolen Vehicle Tracking System
 NATS Radio System - (Emergency Services Net)

Q12 Can the Dorset and / or Devon & Cornwall Police Helicopters operate over water?

ANS – YES, out to **5nm** - ** but they are Not SAR capable ~ (not winch fitted)

Q13 Where are the Exmouth RNLI ALB and ILB Located? How is each Moored and Launched?

ANS –
 ALB - Boathouse at the Maer, Exmouth Seafront – slipway-launched by **Tractor & Trailer**
 ILB - as above – slipway-launched by **Trolley**

Q14 List Eight (8) items of equipment carried by the Exmouth All-Weather Lifeboat:

ANS – Any 8 from: VHF and MF Radio Tx/Rx
 VHF and MF DSC
 VHF D/F (incl 121.5mhz)
 Radar
 DGPS Navigator
 RCPS Electronic Chart System
 Autopilot
 Echo Sounders

Weather Sensors
Night Vision Equipment
Searchlights x 2
First Aid Equipment
Salvage Pump

Q15 What Operational requirement must be taken into account when paging the Exmouth LB DLA?

ANS –

The User Code **81** must be used instead of the more normal 91
– this notifies the DLA that it is a Portland tasking not Brixham

Q16 Where is Exmouth Coastguard CRE located?

ANS – Unit 23, Dinan Way Trading Estate, Concorde Rd. EX8 4EZ
GR: 192 / 025.820

Q17 With regard to the Exe Estuary, how are the rescue responsibilities divided between Portland

and Brixham RCC's. Briefly describe the River Exe Comms Plan:

ANS – PORTLAND Coastguard - Left (east) Bank of the Exe.....Exmouth CRT

BRIXHAM Coastguard - The Waters of the Exe and the Right (west) Bank

River Exe Comms Plan: - Estuary divided into 6 Sectors, Brixham CG OSC:

- Afloat / Air assets = Ch 73
- CRV's / Ground Assets = Ch 0

Q18 What are the main hazards facing vessels entering the Exe Estuary? How are the hazards

marked? What advice should be given to craft wishing to enter?

ANS –

1. Hazards:- **POLE SANDS EXMOUTH BAR BULL HILL BANK**

2. Marks:- **EAST CARDINAL** to seaward. Navigable Channel marked by **LEADING LIGHTS**

3. Advice for craft entering:

- Only safe approach is from the SE along the buoyed channel – avoid LW +/- 2hrs
- Keep the Leading Lights closely to Port whilst in the navigable channel
- Successive sharp turns to Port / Stbd to round Bull Hill Bank once past the mouth

Q19 What are the most notable causes of incidents originating from the River Exe and Estuary?

ANS –

- Strong Tides / Runs - Swimmers and NUC or moored vessels swept away
- Sand Banks - Vessels running aground / Capsizing
- Mudflats - Anglers / Foreshore walkers / Birdwatchers stranded
- Narrow entrance - Exe Estuary entrance Bar notorious

Q20 Which Authority might you have to liaise with in the event of a shoreline incident on the Left Bank of the Exe Estuary, and Why?

ANS – To NETWORK RAIL at **Swindon** ~ Anything affecting the Railway Branch line

Q21 What is the name of the Exmouth Harbourmaster? Which VHF working channel is used?
What facilities / activities take place from Exmouth Harbour?

ANS – VHF Working Channel **14**
No facilities – Exmouth Dock now closed to merchant traffic, used as a Marina,
Activities include:- Commercial Fishing, Diving, Angling, Sailing, Watersports

Q22 List the Slipways that are available for launching small water craft in Exmouth:

ANS – IMPERIAL : MAMHEAD : CARLTON : LIFEBOAT

Q23 Where is the Exmouth Coastwatch Lookout situated?

ANS – At the MAER – East end of the Esplanade
GR: 192 / 002.802

Q24 Where is the Helicopter Landing Site (HLS) located in Exmouth?

ANS – At IMPERIAL RECREATION GROUND Playing Field -
0.25nm NE of the Point
GR: 192 / 996.810

Q25 Starting at Exmouth Seafront: List all the significant coastal features **Eastward** to Budleigh Salterton, noting any hazards applicable:

ANS –
CONGER ROCKS - Danger to inshore craft ~ located in the Exe approach channel
MAER ROCKS - Dry out @ LW ~ Rock Pool injuries prevalent

ORCOMBE ROCKS - Danger @ LW ~ RODNEY POINT 0.1nm West
 **NT Property
 SANDY BAY - Largest Caravan Park in Europe! ~
 Beach is Private Property (Haven)
 STRAIGHT POINT - RM Firing Range Danger Area (PCG
District Boundary)
 OTTER COVE - In Range Danger Area ~ access to beach via
 footpath when not firing
 LITTLEHAM COVE - Difficult access ~ high crumbling cliffs above known
 as The FLOORS
 BUDLEIGH BAY - Shingle Beach ~ access from West Down
 BUDLEIGH SALTERTON - No harbour, boats drawn up on steep shelving
 shingle beach

Q26 What are the main Problems associated with Sandy Bay?

ANS –

Incidents with holidaymakers from the huge Devon Cliffs Holiday Camp,
 including:

- Persons cut off by the tide or stranded on the rocks
- Conflict with the adjacent RM Firing Range
- Falling rocks off the steep cliffs above

Q27 Which Marine Band VHF Channels does Straight Point Range Control operate?

ANS –

Channel **16** - Distress and / or Securite broadcasts
 Channel **08** - Working Channel

Q28 Is it possible to walk along the shore around Straight Point at Low Water?

ANS – NO - not possible, no access right around the headland at
 any state of the tide

Q29 Where is the landmark: Steamer Steps located?

ANS – On Budleigh Salterton Esplanade – they lead down to the
 beach

Q30 Between Ottertton Ledge and Jacobs Ladder, what are the principal coastal
 dangers? Where are the safe area(s) located?

ANS – Can get cut off by tides if walking along the shore – only safe
 area is Ladram Bay

Q31 What are the dangers associated with the River Otter? Is the entrance
 fordable at Low Water?

ANS –

- The river entrance is silted up, accessible only to very small powered
 and/or rowing craft
- Ottertton Ledge just off the entrance to the river is a hazard to navigation

- River NOT fordable @ LW – access to the SW Coast Path is via the bridge ½ mile inland

Q32 Starting at the River Otter: List all the significant coastal features **Eastward** to Sidmouth, noting any hazards applicable:

ANS –

- R. OTTER MOUTH - Entrance silted up, difficult access for very small craft/kayaks only
 - OTTERTON LEDGE - Offshore rocks and bar at entrance to R.Otter ~ Navigation Hazard
 - DANGER POINT - SW Coastal Path along the top ~ shoreline rocky and dangerous
 - BLACK HEAD - No road access to beach ~ persons easily cut off by tide
 - BRANDY HEAD - -----“-----
 - CRAB LEDGE - -----“-----
 - CHISLEBURY BAY - -----“-----
 - SMALLSTONES POINT - -----“-----
 - LADRAM BAY - Road access through Holiday Camp
- ** (Boundary EXC / BEC)**
- HERN ROCK POINT - Access by track ~ Public Telephone at campsite here
 - BIG PICKET ROCK - Offshore stacks ~ undertows dangerous for small craft
 - TORTOISESHELL ROCKS - Rocky, shelving beach ~ access on foot possible from Sidmouth
 - CHIT ROCKS - Rock ledges at base of cliff ~ dry at Low Water

Q33 Where is the landmark known as High Peak located?

ANS – Immediately inland above Big Picket Rock - **1.2 Nm** West of Sidmouth

Q34 Where is the landmark Jacobs Ladder located?

ANS – At West end of Sidmouth ~ a series of steep and potentially hazardous wooden Stairways leading down to beach of same name from Connaught Gardens

Q35 Should an incident occur in the vicinity of Jacobs Ladder, which CRT might be tasked initially?

ANS – SIDMOUTH IRT - backed up by BEER CRT as required

Q36 What Type of craft is operated by Sidmouth Inshore Rescue? What is their Radio c/s?

How is it Launched? Where is it Housed?

ANS –

- ARCTIC 24 IRB 'Pride of Sidmouth' c/s: **SIDMOUTH LIFEBOAT**
- Launched by **Tractor-hauled TRAILER** from the beach at the West end of the Esplanade
- Boathouse situated at East end of the Esplanade
GR: 192 / 128.872

**** NOTE:** The Station also has a second craft:- 4m ZODIAC, 30hp o/b; c/s: **SIDMOUTH 2** which is used for training purposes

Q37 What is the name of the Beach at Sidmouth? What is the composition of the Beach?

ANS – PORT ROYAL Beach - Composition: Shingle / Pebbles, steeply shelving

Q38 What activity takes place in Lyme Bay which may lead to a possible Pollution incident?

ANS – Ship-to-Ship Transfer of Oil - ****NOTE:** Operations currently suspended

Q39 Starting at Sidmouth, List all the significant coastal features **Eastward** to Beer, noting any significant hazards:

ANS –

- CHAPMANS ROCKS - Offshore rocks ~ Salcombe Hill
Cliff above unstable
- SALCOMBE MOUTH - No road access ~ Persons easily cut off by tide
- HOOK EBB - - - - - " - - - - - ~
Duncombe Cliff above ****NT Property**
- WESTON MOUTH - - - - - " - - - - - ~ Access via Weston Combe ****NT Property**
- WESTON EBB - Exposed beach ~
Coxes' Cliff above unstable
- LITTLECOMBE SHOOT - No road access
****NT Property**
- BRANSCOMBE EBB - No road access
**** Do not confuse with "BRANKSOME"**
- BRANSCOMBE MOUTH - Only road access to shore this stretch, cliff erosion
- SHERBORNE ROCKS - Offshore rocks dangerous for small craft
- HOOKEN CLIFFS - Steep and unstable ~ No direct access to shore
- BEER HEAD - Cliffs are steep and unstable
BEER RRS: X, Y, DSC
- THE HALL - - - as above - - -

BEER (THE ROADS)
shelving beach, (shingle)

- No harbour, boats drawn up on

Q40 Where is Beer CRE located?

ANS – At COMMON LANE – (Up hill SW of beach access)
GR: 192 / 226.889

Q41 What is the name of the coastal feature immediately to the **East** of Beer, and what Hazard does it present?

ANS – SEATON HOLE - Major cliff fall and coastal erosion site ~
Footpaths fenced off

Q42 What Marine facilities are available at Seaton Harbour (Axmouth)?

ANS – Buoy Moorings. An onshore Yacht / Boat Park.
Large Slipway and Craneage for Marine Repairs

Q43 What Aviation facility is located at Axmouth? What is its Location?

ANS –

- A Helicopter Landing Site (HLS)
- In a private field off the B3172 adjacent to the Harbour Bridge
GR: 193 / 253.900

****NOTE:** The HLS is now very rarely used due to the closure of the
Recompression Chamber
which used to be sited at the Harbour

Q44 What advice would be appropriate for yachts attempting to enter the River Axe?

ANS –

- A BAR exists across the channel entrance which dries at LW
- The approach from seaward is not marked / buoyed
- The channel entrance often shifts – local advice must be sought
- Never attempt entry under sail – may end up aground / on the beach
- Entry only to be attempted in fair / settled weather and under power
- Sharp turn to port is necessary immediately after entering entrance

Q45 What is the area immediately East of Axmouth known as? What problems exist here?

ANS – ELEPHANTS GRAVEYARD ~ Cliff falls / Erosion problems
*(This point marks the Western end of the Axmouth-Lyme Landslip)

Q46 List the Access points available from both landward and seaward to the Axmouth Landslip, i.e.

The Undercliff, stretching from Axmouth to Lyme Regis

ANS – Seaward:- **ONE** only at :- Charton Beach (Beneath All Hallows)
Landward:- **THREE**, at:- Charton Goyle, Whitlands, Pinhay

Q47 Where is 'Goat Island' located?

ANS – Onshore! - at the Western end of the Axemouth Landslip opposite Culverhole Point

Q48 Starting at Axemouth; List all the principal coastal features along the Landslip **East** to Lyme Regis, noting all associated dangers:

ANS –

HAVEN CLIFF	- Cliff unstable ~ recent landslips
SPARROWBUSH LEDGE	- Off-shore rocks ~ exposed at Low Water
CULVERHOLE POINT	- <u>NO</u> access ~ persons on beach easily cut off by tide
DOWLANDS CLIFFS	- Landslip area ~ <u>CORBIN ROCKS</u> just off the beach
CHARTON BAY	- Fair weather landing place ~ land access thro Charton Goyle
HUMBLE POINT	- Off-shore rocks ~ Danger to small craft inshore
PINHAY BAY	- Exposed anchorage ~ Off-shore rocks exposed at LW
SEVEN ROCK POINT	- Dangerous rock ledges ~
<u>WARE CLIFFS</u> above	
<u>VIRTLE ROCK</u>	- Isolated rock off <u>Devonshire Head</u> ~ dangerous to small craft
POKERS POOL	- Rock-strewn bay, the shelving shore is: <u>MONMOUTH BEACH</u>

Q49 What is the name of the Harbour Master at Lyme Regis? What is his VHF working frequency?

ANS – VHF Working Channel = **14**

Q50 What are the hours a watch is kept on VHF Channel 14 by Lyme Harbour during the summer?

ANS – May to September ~ 0900 – 1200 and 1600 – 1800L

Q51 What are the main facts about the Lifeboat at Lyme Regis?

ANS – RNLI ATLANTIC 75 **B-741** **32** knots Operations Manager –

- In a Housed Slip next to the Harbour Masters Office at the COBB
GR: 193 / 338.916
- Launched by **TRACTOR and TRAILER**

*(At LW the boat may have to be hauled to the Harbour entrance to launch)

Q52 What is the name of the principal hazard to navigation on the approaches to Lyme Harbour?

ANS – BROAD LEDGE

Q53 Where is Monmouth Beach Located?

ANS – Immediately to the **West** of the Cobb, the shoreline of Pokers Pool

Q54 Under what weather conditions does Lyme Harbour NOT provide good shelter? What is the maximum LOA and/or Draught that can be accommodated in the harbour?

ANS – During strong **E** or **SE** prevailing winds
Max LOA – **9m** (Pleasure Craft), **11m** (Fishing Vessels)
Max Draught – **1.9** metres

Q55 What are the principal Marine activities that take place from Lyme Harbour?

ANS – Commercial Fishing Angling Charters
Sport Diving Sailing and Windsurfing

Q56 Where is Lyme CRE located? What other function does the CRE serve?

ANS – Off the Seaton Road, (A3052), $\frac{3}{4}$ mile up from the Harbour
GR: 193 / 335.920 The CRE is also the Lyme Sector Managers Office

Q57 What is the area of coastline immediately to the East of Lyme Regis known as? What are the principal hazards in this area?

ANS – BLACK VEN – Landslip/erosion area, also deep mud pools at base of cliff, and:
CANARY LEDGES – Dangerous off-shore rocks

Q58 At spring tides, is it possible to walk along the beach from Lyme to Charmouth? What are the principal hazards along this length of coastline?

ANS – NO Hazards are: Falling Rocks and deep Mud Pools - (Popular Fossiling area)

Q59 What useful contact exists at Charmouth Heritage Centre?

ANS – The NT Warden is willing to assist with incidents in immediate area

Q60 What is the area of coastline immediately to the East of Charmouth known as? What are the current principal dangers in this area?

ANS – CAINS FOLLY
Current Dangers: -
1. Massive and active landslip area from Stonebarrow Down
2. Possibility of fossilers becoming buried under landslips
3. Persons stuck in mud pools or cut off by high tides

Q61 How many CRV road access points are there to the coast between Charmouth and Seatown?

ANS – ONE only at St Gabriel's Mouth - *(now severely restricted due to active land-slippage)

Q62 With which other place along the coast is Seatown most often confused?

ANS – SEATON – 11 miles to the west in Devon

Q63 Which location gives access to the off-road tracks leading to St Gabriel's Mouth and Golden Cap?

ANS – WESTHAY FARM - via Stonebarrow Lane at the eastern end of Charmouth

Q64 Starting at Charmouth, List all the significant coastal features to the East to West Bay, noting all associated dangers:

ANS –

CAINS FOLLY	- Major landslip ~ <u>STONEBARROW</u>
<u>DOWN</u> above is very unstable	
St GABRIELS MOUTH	- Restricted road access to beach ~ active landslip
	**NT Property
WESTERN PATCHES	- Dangerous off-shore rocks
GOLDEN CAP	- Highest point in the Portland District ~ 191m (625ft)
	**NT Property
WEAR CLIFFS	- Steep and crumbling ~ part of above
THE CORNER	- Dangerous rock ledges extending out to sea
SEATOWN	- Road access, Public telephone box
	** (Boundary LYC / WBC)
EAST EBB	- Off-shore rocks ~ cliffs unstable above
EAST EBB COVE	- Rocky shoreline ~ <u>NO</u> landing place
THORNCOMBE BEACON	- Very steep cliff ~ 155m (510ft)**NT Property
GREAT EBB	- Dangerous off-shore rocks ~
<u>RIDGE CLIFF</u> above steep	
EYPE MOUTH	- Road access to beach (narrow/single track)
WEST CLIFF	- On-going cliff erosion ~ end of West Bay sea defence wall

Q65 What is the stretch of coastline between Eype Mouth and West Bay known as? What are the main hazards associated with this area?

ANS – WEST CLIFF Hazards: Unstable cliffs ~ Falling rocks, walkers &/or animals

Q66 What is the name of the Harbour Master at West Bay? Which VHF working channel is used?

ANS – (WBCRT 'C') VHF Working channel = **11**

Q67 What Marine facilities are available at West Bay?

ANS – One Loading Jetty Boat Park *(Lift facilities provided by hired-in road crane)
Two fixed Derricks Dredging and Suction Barge
Two Large Slipways Fresh water replenishment

Shore Electrical Power

Marine Diesel *(Road Tanker)

Q68 What is the maximum size of vessel which can be accommodated in West Bay Harbour?

ANS – 50m LOA and/or 3.2m Draught

Q69 What are the conditions that govern the approach from seaward into West Bay Harbour?

ANS –

- Harbour can only be accessed in favourable weather **2 Hrs** either side of HW
- Entry should not be attempted with on-shore southerly winds in excess of **F4**
- Entry should not be attempted under sail at any time, vessels under power only
- Harbour itself mostly dries at LW

Q70 What are the principal Marine activities that take place from West Bay Harbour?

**ANS – Commercial Fishing Sport Diving Charters
Angling Boats**

Q71 Where is West Bay Coastguard CRE located?

**ANS – In George Street (WDDC), CRV in the yard at other end of road
GR: 193 / 463.905**

Q72 What is the name of the large coastal feature immediately to the East of West Bay? What are the main hazards associated with this feature?

**ANS – The EAST CLIFF Hazards: - Unfenced cliff-top, walkers / animals falling down
Persons on beach below at risk from falling rocks**

Q73 What is the main Leisure activity which takes place at Burton Beach? Who owns the beach?

ANS – Sea Angling / Beach Casting Beach is owned by the National Trust

Q74 What are the main dangers associated with Chesil Beach, particularly during strong South-Westerly gales?

ANS –

- **SHELVES** very steeply - Persons easily swept into the water by high seas, and:
- A very strong **UNDERTOW** which sweeps laterally along the beach

Q75 What is the name of the small stretch of water behind the Chesil Bank at Cogden Beach? Can this area be accessed from the B3157 road?

ANS – **BURTON MERE**

The Mere can be accessed from the road via a locked gate ~ (keys in the CRV)

Q76 Between West Bay and Abbotsbury, how many access points are there down to Chesil Beach by the CRV? Name all of them:

ANS –

West Bay to West Bexington = 4 separate CRV access points:

1. Burton Bradstock ~ through Freshwater Caravan Park
2. Burton Beach ~ via the C-Road to the Hive Café
3. Cogden Beach ~ via gate off the B3157, 50m east of the Old CG Caravan Park
4. West Bexington ~ via C-Road down to the public car park on the beach

West Bexington to Abbotsbury Beach Car Park

Beach access is possible along the entire length of the track between the 2 points,

Access to the track is also possible by 2 separate points off the B3157, via:

1. Labour-in-Vain Farm, and:
2. The Old Coastguard Cottages

Q77 Where is the Eastern extremity of the West Bay Guard? Which CRT commences here?

What other District Boundary is located here?

ANS –

- At the Public Car Park on Chesil Beach at the end of the C-Road past Abbotsbury Gardens
- Wyke Guard (Weymouth Sector), commences at this point
- This is also the Lyme / Weymouth Sector Boundary

Q78 Where in the Sector would you find a Special Yellow Buoy?

ANS – The Lyme Sewer Outfall pipe (0.75nm south of Charmouth)

Q79 Where does the 003 Degree West line of Longitude cross the coast?

ANS – On the Axmouth Undercliff ~ **3 Cables** West of All Hallows Pumping Station

Q80 Where in the Lyme Sector does coastal Hang / Para-Gliding take place?

ANS –

1. Sandy Bay Range - Immediately East of the Straight Point Firing Range
2. Sidmouth - Peak Hill
3. Branscombe - Berry Barton Farm
4. Beer Head - South Down Common
5. Charmouth - Stonebarrow Down (east end)
6. Golden Cap - Above Wear Cliffs
7. Seatown - Doghouse Hill
8. Eype - Highlands Caravan Park

Q81 Where are the following similar-sounding Coastal Features located in Lyme Sector:

1. Ware Cliffs?
2. Wear Cliffs?

ANS –

1. **Ware Cliffs** - Located in the Axmouth-Lyme Undercliff, above Seven Rock Point, (pronounced as written)
2. **Wear Cliffs** - Located beneath Golden Cap, (pronounced “weir”)

Q82 Where are the following Coastal Features located in the Lyme Sector:-
Cockle Sand? Sherbrook Chine? Lucy’s Ledge?
Tom Tizzard’s Hole? Shag Rock?
Devils Ledge? Darlings Rock?
Fishermans Gap? Cathedral Rock

ANS –

1. Cockle Sand - Exe Estuary off the left bank, North of the “The Point” Exmouth
2. Sherbrook Chine - **0.75nm** West of Budleigh Salterton, on the Marine Parade
3. Lucy’s Ledge - Off Lyme Regis Beach
4. Tom Tizard’s Hole - West end of Beer Beach
5. Shag Rock - **0.75nm** ESE of Littlecombe Shoot
6. Devils Ledge - Off Rodney Point, Exmouth
7. Darlings Rock - Exe Estuary, Lymstone
8. Fishermans Gap - Seaton Esplanade, access to beach opposite main square

9. Cathedral Rock - Immediately below Beer Head

Q83 Where is the Helicopter Landing Site (HLS) situated for reception of Medivacs to the Royal Devon and Exeter Hospital? What conditions/restrictions apply to its use?

ANS – The preferred site is Wyvern Barracks
GR: 192 / 933.912

The Guardroom must be informed prior to use to enable access by both the IRT and the Ambulance

NOTES:

1. There is a HLS adjacent to the A&E but it is restricted to daytime use by the AW139
2. The playing field at Exeter School adjacent to the hospital may be available, but its use is restricted and must be with the prior agreement of the Head Groundsman and/or the School Bursar

Q84 Where is the Helicopter Landing Site (HLS) situated for reception of Medivacs to the Torbay Hospital? What conditions/restrictions apply to its use?

ANS – Torquay Community College eastern Playing Field
GR: 202 / 907.654

(CRV access is via the entrance off Cricketfield Road)

Coastguard must always attend and manage the HLS

****NOTE:** Currently (2010), suspended due to College redevelopment, awaiting confirmation of new/replacement HLS

Q85 In Nov 2006, a Wave buoy was deployed in the Sector for 4 years iaw NTM 11/06, state:
Its Position / Location AND Its Description and Characteristics

ANS – Position / Location: **50 41.60N 002 45.00W** – 1250m off Burton Freshwater Beach

Description / Characteristics: Spherical **0.9m** diameter, high visibility **YELLOW**

White LED – Flash **5** every **20** seconds
Radar Reflectors fitted

Q86 Which beaches in the Sector are covered by RNLI Beach Lifeguard units?

ANS – Sandy Bay, Exmouth

Lyme Regis, Charmouth and West Bay - (collectively known as: "West Dorset")

Q87 Should the Portland CG Helicopter NOT be available for an incident in the Lyme Sector,

What other Aviation Resources might be available for SAR tasking?

ANS –

1. SOLENT Coastguard AW139 Helicopters @ Lee - c/s: **104 / 105**
2. MOD (RAF) Sea King Mk 3 @ RM Chivenor - c/s: **169**
/ **170 / 171** ******(via ARCC)
3. MOD (RN) Sea King Mk 5 @ RNAS Culdrose - c/s: **Navy 193 /**
194 ******(via ARCC)

LOCAL KNOWLEDGE

WEYMOUTH SECTOR

Q1 Define the Sector Boundaries:

ANS –

From the Chesil Beach Car Park west of ABBOTSBURY to Rope Lake Head
KIMMERIDGE

Q2 List the **CRT's** in the Sector, their GUARD, OPERATIONAL DESIGNATION and VEHICLE:

ANS –

WYKE Abbotsbury to White Nothe
Cliff and Search Nissan Nivara
PORTLAND BILL Isle of Portland to Ferrybridge Cliff and Search
Toyota HiLux
LULWORTH White Nothe to Worbarrow Tout Cliff and
Search Toyota HiLux
KIMMERIDGE Worbarrow Tout to Rope Lake Hd Cliff and Search
Toyota HiLux and: Poole Harbour – Bower Point to Holton Heath

Q3 State the Names of the Sector CRT - STATION OFFICERS and DSO's

ANS –

Wyke	-	-
Portland Bill	-	-
Lulworth	-	-
Kimmeridge	-	-

Q4 List the **LIFEBOATS** stationed in the Sector, their Speed, Range, Endurance and Maximum Survivor Capacity:

ANS – WEYMOUTH ALB - SEVERN 17-32 25K 250nm 12 Hrs 185
WEYMOUTH ILB - ATLANTIC 75 B-746 32K 15nm 3 Hrs 20

Q5 State the name(s) of the Sector Lifeboat OPERATIONS MANAGER(s) and describe the ICCS Paging format in use for each, and/or the DLA:

ANS – Weymouth: BT Pager 1824 – 91

Q6 Where are the WEYMOUTH ALB and ILB located? How is each Housed and Launched?

ANS – ALB - Located in the Outer Harbour ~ Moored AFLOAT, crew board by fixed JETTY
ILB - Outer Harbour at Weymouth SC yard ~ HOUSED SLIP, Launched by TROLLEY

Q7 List Eight (8) items of equipment carried by the Weymouth All Weather Lifeboat:

ANS –

Any 8 from: VHF and MF Radio Tx/Rx
VHF and MF DSC
VHF D/F (406 and 121.5 Mhz)
Radar
DGPS Navigator
RCPS Electronic Chart System
Autopilot
Echo Sounders
Weather Sensors
Night Vision Equipment
Searchlights x 2
First Aid Equipment
Salvage Pump
Inflatable 'Y' Boat

Q8 List all the Declared SAR Resources available in the Weymouth Sector

ANS – 4 x CRT's:- WYKE PORTLAND BILL ULWORTH
KIMMERIDGE

Portland Coastguard Rescue Helicopter - **AW139** c/s: "106"
Weymouth RNLI All-weather Lifeboat - **SEVERN**
Weymouth RNLI Inshore Lifeboat - **ATLANTIC 75**
Weymouth RNLI Beach Lifeguards (Summer Season Only)
Weymouth Canoe Lifeguards ----"
Coastwatch Lookout Portland Bill (NCI)

Q9 List all the Additional SAR Resources available in the Weymouth Sector

ANS – Dorset Police Helicopter -
MD902 c/s: "Police 10"
Dorset Marine Police (Portland) - **Atlantic 21**
c/s: "Police Rib"
SW (Dorset & Som) Air Ambulance - **EC135** c/s:
"Helimed 600"
Dorset Fire & Rescue Service ****No Declared MIRG**
Capability
Portland Port Authority Vessels
Boscawen Lifeguards (Summer
only - Portland Harbour confines)
Weymouth Harbour Vessels
Lulworth Range Safety Craft

Q10 What useful coast rescue capabilities does Dorset Fire & Rescue Service possess?

ANS – Inflatable paths for Mud Rescue and Cliff Rescue gear – held at Weymouth Fire Stn

Q11 Should the Portland Coastguard Helicopter not be available for an incident in Weymouth

Sector, What other Aviation resource(s) might be available for SAR tasking?

ANS –

1. SOLENT Coastguard Helicopters @ Lee - c/s: **104 / 105**
2. MOD (RAF) Sea King Mk 3 @ RM Chivenor - c/s: **169 / 170 / 171**
**(via ARCC)
3. MOD (RN) Sea King Mk 5 @ RNAS Culdrose - c/s: **Navy 193 / 194**
**(via ARCC)
4. Dorset Police Helicopter @ Winfrith HQ - c/s:
Police 10

Q12 List Four (4) items of equipment carried by the Dorset Police helicopter:

ANS –

Any 4 from: VHF Radio – (Has Marine band Channel 0)
Thermal Imager
Night Vision Equipment
Real-Time Video Camera
Stabilised Binoculars
Skyshout PAS
Nite Sun
Moving Map (GPS Based)
Stolen Vehicle Tracking System
NATS Radio System - (Emergency Services Net)

Q13 Can the Dorset Police Helicopter operate over water?

ANS – YES, out to **5nm** - ****but it is NOT SAR capable** ~ (not equipped with rescue winch)

Q14 What paging Systems are in use for the Weymouth Sector CRT's?

ANS – All four CRT's are equipped with VHF Channel 0 Pagers

Q15 Where is Wyke CRE located? What other District facility is located here?
What other Function can the CRE be used for?

ANS –

- Bincleaves Road, Weymouth GR: 194 / 681.780
- **BIN RRS** - X, DSC
- As the Emergency RCC in the event of an Outage

Q16 Should Wyke CRT need to cross the Fleet to an incident on Chesil Beach, What locations along the 'inland' shore can a boat be launched from?

ANS – West Fleet ~ Clouds Hill
Langton Herring
Herbury Point
Moonfleet Hotel
Chickerell Hive
Lynch Lane Holiday Camp
Camp Road ~ (MOD Bridging Hard)
Wyke ~ Pirates Lane

Q17 Where are the 'Dragons Teeth' located, and What are they?

ANS – Located on Chesil Beach, at Abbotsbury opposite the Swannery
They are WWII concrete anti-tank structures stretching in a line across the beach

Q18 Reference Portland Bill CRT: Where is the CRE located? Where is the Guard Boundary?

ANS – CRE Location:- **Easton Lane** – (Behind Combens Shop)
GR: 194 / 690.725
Guard Boundary:- **FERRYBRIDGE** – (Blue Water Horizons Boatyard)

Q19 List all the significant coastal features around Portland, from Chesil Cove round to the Southern Harbour Breakwater, noting any hazards applicable:

ANS –

<u>CHESIL COVE</u> slope ~ the <u>WEST WEARES</u>	- Bottom of a very rocky / loose scree
<u>HALLELUJAH BAY</u>	- Vertical cliff face ~ climbing injuries!
<u>TOR ROCK</u> at South end	
<u>CLAY OPE</u>	- Vertical cliffs - - - - " - - - -
<u>BLACKNOR POINT</u> access.	- Dangerous Cliff edge ~ NO shore access.
<u>OCEAN ROCK</u> at base	
	<u>Caves:</u> Aerial & Endeavour
<u>MUTTON COVE</u> from seaward	- Vertical cliffs ~ No access from top or
	<u>Caves:</u> Sandy Hole & Windy Dig
<u>WALLSEND COVE</u> end ~ NO shoreline access	- Vertical Cliffs ~ NCI Lookout at South
<u>WHITE HOLE</u> the QinetiQ Sound Range area	- Beware Divers ~ NO access, is within
<u>PULPIT ROCK</u> beware swimmers and jumpers!!	- Access from Public Car Park ~
<u>LONG POINT</u> abandoned cranes/equip in situ	- Old cliff-edge quarry workings ~
<u>CAVE HOLE</u> access very hazardous	- Old quarry spoil tipping area ~ foot
<u>FRESHWATER BAY</u>	- NO access from Public Footpath ~
<u>TANK ROCK</u> at South end	

CHEYNE WEARES shoreline from the top	- Public Car Park at top ~ NO access to
CHURCH OPE COVE ~ <u>STEAMER ROCK</u> South end	- The only safe seaward landing place
DURDLE PIER and rock-strewn	- Vertical cliffs ~ shoreline very broken
GROVE POINT beware climbers. GROVE RRS	- Dangerous cliff edge viewing point ~
	<u>Caves:</u> Flagpole & Guano
EAST WEARES Firing Range and buildings	- Very broken rocks, abandoned MOD
KINGS PIER ~ old salt pans nearby	- Very broken rocks & scrub on-shore
BALACLAVA BAY Underground Fuel Tanks onshore	- Shoreline broken rocks & scrub ~
Inner arm of Portland Southern Breakwater on North side	

Q20 What are the traffic arrangements of the 3 main Shipping Entrances into Portland Harbour?

ANS **NORTH Ship Channel** -Used mainly by small craft / Pleasure traffic
EAST Ship Channel -Used exclusively by Portland Port traffic
SOUTH Ship Channel -Entrance blocked by wreck, NOT in general use

Q21 At which entrances to Portland Harbour are Port Traffic Signals located? State their meanings

ANS – Port Traffic Signals are located at the **NORTH** and **EAST** Ship Channels

Port Traffic Signal meanings:

- **3 Fixed RED** in vertical line =
A commercial vessel is departing the Inner Harbour. No other vessel is to approach or impede the safe passage of that vessel
- **3 Fixed GREEN** in vertical line =
A commercial vessel is entering the Inner Harbour. No other vessel is to approach or impede the safe passage of that vessel
- **3 Flashing RED** in vertical line =
Entrance **CLOSED**, await instructions from Portland Harbour Radio (VHF CH 74)

Q22 Why is the South Ship Channel of Portland Harbour a danger?

ANS – The South Ship Channel is closed to commercial traffic, being blocked by the wreck of HMS Hood - an obsolete Battleship deliberately sunk in WWI as an anti-submarine defence. The following points should be noted:-

- A High Voltage cable is suspended across the entrance above the wreck
- Entrance is only accessible by small craft at HW ~ (1.5m max height clearance)
- Craft must not moor to the suspended cable, nor exceed 6 Knots speed limit

- The (inverted) wreck is significantly close to the surface at LW Springs
- There is a fast Tidal run through the entrance during both Ebbs and Flows
- All Diving on the Hood is currently banned - (iaw PP LNTM #05 of 01Jan 2004)

Q23 What are the charted names of Portland Harbour East Ship Channel breakwater heads? What are the characteristics of their respective Navigation lights?

ANS –

- Northern Head = **ALPHA HEAD** Major Light - FL (W)
2.5s. 22m. 10nm
- Southern Head = **FORT HEAD** Major Light - QR.
14m. 5nm

Q24 What are the characteristics of Portland Bill Light (PBL)?

ANS – MAJOR LIGHT

Group Flashing WHITE (4), every 20 seconds
Elevation.....**43m** above MHW
Range.....**25nm**
Power.....635,000 Candela

SECTOR LIGHT

Fixed Red ~ 090 -110 degrees (For the Shambles Bank)
Elevation.....**9m**
Range.....**13nm**

DIAPHONE ~ Fog Signal - 1 x 3½ second blast every 30 seconds

Q25 Who is the Statutory Operating Authority for Portland Harbour? What is the name of the Harbourmaster, and on which VHF channels does the Port operate?

ANS – PORTLAND PORT Ltd Harbourmaster: Captain
Channels in use: **74** – Port Main working Channel
09 – Pilots
14 – Tank Farm Operations
71 – Tugs / Cranes

Q26 List the vessels operated by Portland Port Ltd

ANS – Pilot Boat:- Rodwell ~ 40ft Nelson
Workboats:- Chiswell and Southwell ~ **3t** Bollard pull Mooring vessels
Patrol Craft:- Fortuneswell ~ 20 ft Harbour Patrol RIB
Tugs:-

1. Maiden Castle) **56t** Bollard pull ~ Twin azimuth stern drive
2. Wyke Castle) **22t** Bollard pull ~ Twin azimuth stern drive
3. Rufus Castle) **15t** Bollard pull ~ ex RN Dog Class
4. Sandsfoot Castle) **15t** Bollard pull ~ ex RN Dog Class

Q27 Name the main Commercial Companies operating in Portland Harbour, and their principal Marine businesses`.

ANS –

1. **Global Marine Systems** - Sub-sea Engineering and Telecom Cables Company

2. **Manor Marine (MPI)** - Ship Repair Company *(Operate small tug: 'Chimera')
3. **Cosens Marine** - Engineering Services
4. **UMC International Plc** - Underwater Hull Cleaning, Repair & Maintenance Specialists
5. **Denholm Barwil** - Port and Marine Service provider
6. **RMV Marine** - Sailmakers and Boat Repair service
7. **Oil & Water** - Marpol / Liquid Waste Disposal facility
8. **Portland Gas Ltd** - Natural Gas underground storage project
9. **Portland Shellfish** - Wholesale Processing operation
10. **Portland Bunkers International**- Fuel Storage and Ship Refuelling Company
11. **Royal Fleet Auxiliary (RFA)** - MOD Contract / Home Port facilities

Q28 What are the maximum permissible Draft and LOA for vessels using Portland Harbour?

ANS – Max Draft = **11.5 metres** Max LOA = **250 metres**

Q29 What are the main marine leisure activities that take place in Portland Harbour? What restrictions apply to their use?

ANS –SAILING and WINDSURFING:- All areas, except for following restrictions:

- Off the Northern Breakwater and Bincleaves (QinetiQ)
- Within the Port main working area and jetties (within the Controlled Area)
- In the Fairway between the North Ship Channel and Portland Marina (W&PNSA)
- Off the Breakwater Inner arm and the South Ship Channel

KITE SURFING:- As above – (iaw PP LNTM #01 of 2005)

DIVING:- As above, but Permits required

PWC:- Yellow buoyed zone in NW area of Harbour ONLY– launching from Ferrybridge only

Q30 How many Diving Centres / Schools are there in Portland Harbour? What are their names?

Where are they located?

ANS – 7 x Diving Centres:-

1. PORTLAND DIVE CENTRE CASTLETOWN
2. BREAKWATER DIVING CASTLETOWN (Aqua Hotel)
3. PORTLAND OCEANEERING CASTLETOWN
4. SEA JULES OSPREY QUAY
5. SCUBA CENTRE VICTORIA SQUARE
6. FATHOM AND BLUES FERRYBRIDGE (Ferrybridge Inn)
7. QINETIQ (formerly DERA) BINCLEAVES

Q31 Where are the main Sailing Centres located in Portland Harbour? What area of the Harbour is allocated for sailing activities?

ANS –CASTLE COVE SAILING CLUB

- FERRYBRIDGE BOATYARD
- OSPREY QUAY SAILING ACADEMY

Operating area: North & West of a line between Osprey Quay and the North Ship Channel

Q32 What Marine Activities take place from the Castletown area of Portland Harbour? What facilities are located here?

ANS –

Marine Activities:- Commercial Fishing
Diving & Angling Charters
Sailing

Facilities Available:- Quay / Loading Jetty
Fish Dock / Cold Store
Boat Moorings and Repair
Free Slipway
Marine Chandlers and the Aqua-Sports Hotel

Q33 What are the Speed Limits for water craft in and around Portland Harbour?

ANS – Speed Limit is: **12 Knots**.....with the following exceptions:

1. Controlled area around the Harbour main berths and approaches)
2. Designated areas around the NW and SW Harbour peripheral)
3. Designated area in the SE Quadrant ~ [incl South Ship Channel]) **6 Knots**
4. Within **150** metres either side of the Breakwaters)

****NOTE:-** Vessels under 10m LOA may exceed the 12k limit in the central area of the Harbour

Q34 Where are the approved areas in which PWC can be operated in both Portland Harbour and/or Weymouth Bay? State the designated launching places for each:

ANS –

1. Portland Harbour - NW area marked by 4 Yellow buoys ~ Launched from **Ferrybridge**
2. Weymouth Bay - Outside of the White swimming buoys off Weymouth Beach ~ Launched from **Bowleaze** and/or the **Inner Harbour Slipway**
*(this latter location currently on trial)

Q35 What Declared SAR Resource operates off Weymouth Beach during the Summer season? Where is it based and what equipment is available?

ANS –**RNLI BEACH LIFEGUARDS**

Bases: Main Beach (Opposite TIC) and at Greenhill (below the Tennis Courts)
Equipped with Rescue Ribs & boards and VHF Ch 0 - c/s
"Weymouth Lifeguards"

Q36 What is the speed limit for marine craft operating within the white buoyed swimming area off the Weymouth and Preston beaches?

ANS –**8 knots** - **does NOT include PWC which are specifically banned from the zoned area

Q37 Where is the only place that water-ski boats may approach the Weymouth and/or Preston Beach?

ANS – Within the Red marker-buoyed lane halfway along Preston Beach

Q38 Where are Windsurfing centres located in the Weymouth Sector? What are their names?

ANS –

1. PORTLAND HARBOUR – Ferrybridge Blue Water Horizons / Paracademy
2. PORTLAND HARBOUR – Osprey Quay Weymouth & Portland Sailing Academy
3. PRESTON – Overcombe Corner Second Wind

Q39 Where is the Helicopter Landing Site, (HLS), situated in Weymouth?

ANS – NO official HLS in Weymouth ~ District Hospital A & E now closed
Note: Sports Field adj to Lodmoor Coach Park avail if reqd
GR: 194 / 683.807

Q40 Where are the following coastal places located: 1) Redcliff View, 2) Redcliff Point?

ANS –

1. Redcliff View - In Wyke Regis, adjacent to Bincleaves CRE
2. Redcliff Point - On the NE side of Weymouth Bay, **0.5nm** SE of Bowleaze Cove

Q41 With reference to the Portland Race; State:

1. What is the extent of the Inshore Passage, and what hazards exist in the passage?
2. What are the recommended transit times for small craft using the Inshore Passage?
3. What sea-room is required to safely clear the race in all Tidal / Weather conditions?

ANS –

1. Inshore Passage = Within **1 – 3 Cables** of the Bill....Beware of pot marker lines
2. Passage Times = Westbound: 4hrs After to 2hrs Before HW Portland
Eastbound: 2hrs Before to 4hrs After HW Portland
3. Seaward Extent = Up to **5nm** South of Portland Bill

Q42 What is the name of the Weymouth Harbour Master? Which VHF working channel is used? Where is the Harbour Office located?

ANS – Working Channel: VHF Channel **12**
Harbour Office located on Custom House Quay, next door to the

RDYC

Q43 When is Weymouth Harbour entrance most difficult to negotiate? Where are the Harbour Entrance Leading Lights situated and what are their characteristics?

ANS – When NE winds are prevalent
Red TRANSIT and Green/Red TRAFFIC LIGHTS in use, situated on
the South Quay

Q44 What Speed Limits are in force in Weymouth Harbour?

ANS – No set speed limits – vessels should proceed Dead Slow at all times

Q45 Where can Marine Diesel be obtained from in Weymouth Harbour? What is the name of the Operator and how can they be contacted?

ANS –
1. Small craft can refuel from the pontoon jetty at Nelson Wharfe on Nothe Parade
2. Also, mobile deliveries can be made at Custom House Quay
3. Operator – Raybar Fuels Ltd, contact via VHF Channel **60**

Q46 List the vessels operated by Weymouth Harbour Authority

ANS – Pilot Boat:- Melwey ~ 11m GP Harbour Vessel
Launch:- Regis ~ 16ft Workboat
GU Craft:- 13ft Dellway Dory, 15hp outboard
2 x 4.8m Fast RIB, 50hp outboard

Q47 Where is the Public Slipway located in Weymouth Harbour?

ANS – In the Backwater, on Commercial Road immediately opposite the Multi-storey Car Park

Q48 What is the main hazard to shipping entering/exiting Weymouth Bay in the ESE – SSW quadrant? How is the hazard marked?

ANS – SHAMBLES BANK
Marked by: East and West **CARDINAL** Light-buoys
Also by a Fixed Red **SECTOR LIGHT** from PBL - (090-110 degrees)

Q49 What are the characteristics of the East and West Shambles Bank Cardinal Light-buoys?

ANS – East Cardinal = Quick Flash (3), every 10 seconds
West Cardinal = Quick Flash (9), every 15 seconds

Q50 List Four (4) vessels operating Diving Charters out of Weymouth Harbour. What is the regulation Flag Signal for diving operations / divers in the water?

ANS – Any 4 from:- Divetime Diver City Topgun Lady-Go-Diver
X-Dream Skin Deep R-J-R-W One For His Nob
Out Rage Tiger Lily Tango Offshore Rebel Maverick
Top Cat II Atlanta Autumn Dream Flamer III
Wild Frontier AL's Spirit Wey Chieftan 3
Diving Flag Signal = Blue and White Flag ~ the "**ALPHA**" Flag (Burgee)

Q51 Which organisation now operates from the old Pontins Holiday Camp at Osmington? What Marine-related activities are they involved in?

ANS – PGL Ltd (formerly 3D) - a youth activity, education and adventure holiday centre Marine Activities include: Sailing, Kayaking, Rafting and Dragon-boating

Q52 State the conditions under which PWC must operate in Weymouth Bay:

ANS – All riders must obtain a permit from Weymouth Harbourmaster and be data-tagged

Craft must never be ridden inside the white buoyed swimming area off the beaches

Can only normally be launched from the Bowleaze Cove slipways (2),

***HOWEVER:**

*For a trial period craft may now also launch from the Weymouth Inner Harbour slip

Q53 Starting at Overcombe Corner, list all the significant coastal features to the East to Lulworth Cove, noting any hazards applicable:

ANS – **FURZY CLIFF** - Noted area of coastal erosion ~ new sea defence wall along beach

BOWLEAZE COVE - Large Holiday / Caravan Complex ~ Public **PWC launching slip**

REDCLIFF POINT - Unstable cliff face, noted coastal erosion site

BLACK HEAD - As above - severe land slippage area

OSMINGTON MILLS - Recent cliff falls ~ **Road access** and **Slipway** here

RINGSTEAD LEDGES - Off-shore rocks ~ dry at low water

RINGSTEAD BAY - Shingle beach, boat landing ~ Hang-gliding from

BURNING CLIFF

WHITE NOTHE - Huge undercliff area of broken rocks/scrub ~

Boundary **WYC / LUC**

OCHRE BAY (West) & **ANGEL BAY** (East) are landing places

BATS HEAD - Vertical cliff face ~ dangerous off-shore rocks:

(see Q55 below)

SWYRE HEAD - High sheer cliff ~ dangerous

off-shore rocks: (see Q55 below)

DURDLE DOOR - Natural sea arch ~ coastal path noted for broken ankles!!

~

large caravan site on hill above ~ **BULL ROCK** off-shore

MAN-O-WAR COVE - Persons can be cut off by tide ~ dangerous off-shore rocks

St OSWALDS BAY - Beach accessible from top, steep descent ~ can be cut off by tide

~ Off-shore reef ~ **PINION ROCK**

DUNGY HEAD - Vertical cliff face ~ recent cliff falls / erosion site

STAIR HOLE - Rocky enclosed cove, accessible from Lulworth Cove ~ sea caves

LULWORTH COVE - V.popular with divers, sailors and walkers ~ coastal erosion site

Q54 What is the purpose of the 2 large concrete obelisks, sited on the downs between White Nothe

and Bats Head?

ANS – Navigation Marks, which when aligned by a vessel in Weymouth Bay, indicate the optimum line of bearing to the EAST Ship Channel entrance to Portland Harbour

Q55 What are the names of the rocks just offshore between Bats Head and Durdle Door?

ANS – The Calf : The Cow : The Blind Cow : The Bull

Q56 Where is the "Fossil Forest" located? How and When can it be reached?

ANS – Along the seaward cliff ledge immediately East of the entrance to Lulworth Cove Can only be reached via footpath and steps when the Lulworth Ranges are NOT active

Q57 Who controls the coastal sector East of Lulworth Cove? What activity is conducted here?

ANS – MOD(Army) - RAC AFV (Tank) Gunnery School and known as the 'Lulworth Ranges'

Q58 When Lulworth Ranges are active, what is the extent & designation of the Sea Danger Areas?

ANS – Normally **6nm** out from the coast, but can extend to **12nm** if required

Danger area designations: D026 (Inner) & D026B (Outer)

Q59 Range Safety Craft patrol the Sea Danger Area during live firing at Lulworth, state:

1. The Type of craft used and the names of the vessels
2. Which VHF Channels they monitor
3. Where the vessels are moored when not on patrol

ANS – 1. 60 metre Workboats. **SMIT WEY, SMIT FROME** and **SMIT CERNE**

2. VHF Channels **16**, and **08** (working channel)
3. Moored at Portland Port – Middle Jetty

Q60 Where is the Lulworth Range Control situated? What useful SAR facilities does it have?

ANS – Situated at the East Lulworth RAC Gunnery School Camp
GR: 194 / 838.810
SAR Facilities available: RADAR and CCTV

Q61 Where is the Lulworth Range Radar scanner and CCTV camera located? What limitation(s)

ANS – On the top of Bindon Range Hill between Lulworth Cove and Mupe Bay
The camera can NOT see into Lulworth Cove

Q62 Where is the Helicopter Landing Site situated in the Lulworth Guard?

ANS – On the sports ground at the RAC Gunnery School Camp
GR: 194 / 834.811

Q63 Where is the Lulworth CRE located?

ANS – The Heritage Centre at Lulworth Cove
GR: 194 / 882.800

Q64 Where is Kimmeridge CRE located?

ANS – Behind Smedmore House – **0.5 mile** up from the Bay
GR: 195 / 924.788

Q65 Where are the Helicopter Landing Sites situated in the Kimmeridge Guard?

ANS – 1. First choice - Kimmeridge top field ['H' displayed]
GR: 195 / 911.788
2. Second choice - Kimmeridge Quay
GR: 195 / 908.787

Q66 Starting at Lulworth Cove, list all the significant coastal features **Eastwards** to Kimmeridge Bay, noting any hazards applicable:

ANS –
SOUTHCLIFF - Fossil Forest along shoreline, BINDON HILL immediately inland is the 'butts' for both static & mobile tank gunnery targets ~ overshoots!!
BACON HOLE - Small sheltered cove ~
SMUGGLERS CAVE in SW corner
MUPE ROCKS - Off-shore rocks & ledges hazard to small craft approaching from West
MUPE BAY - Sheltered anchorage from SW, shelving beach ~ NO road access

BLACK ROCK - Isolated rocky headland, off-shore rocks all around
 ARISH MELL - Sandy beach, MOD Landing Craft use. ~ Winfrith outfall pipe here
 WORBARROW BAY - Deep-water anchorage for small craft, affording shelter from SW & SE
 ~ **Road access** (only when range closed) through TYNHAM Village
 WORBARROW TOUT- Large rocky outcrop, PONDFIELD Beach East side ~ access as above
 GAD CLIFF - **130m** ht, loose scree slopes & dangerous goat tracks down to beach
 WAGON ROCK - Exposed shore-line rocks, most southerly outcrop of Gad Cliff
 BRANDY BAY - Deep water, small beach, exposed from South ~ beware off-lying reef
 TYNEHAM CAP - Steep cliff ~ *CRV access to top possible in good conditions
 LONG EBB LEDGE - Long steep ledge and underwater spit running offshore to the SW
 HOBARROW BAY - Rock ledges, exposed anchorage ~ NO cliff-top access to beach
 BROAD BENCH - Inshore rock ledge ~ small craft danger / anglers cut off by tide
 CHARNEL BAY - Small rocky cove, steep footpath access to beach from cliff-top
 KIMMERIDGE BAY - Wide & shallow, exposed from the South ~ Red **8k** speed limit buoys,
MAPLE and WASHING LEDGES protrude out into the bay,
 Popular with Divers & Windsurfers, **Road Access (Toll) & Slipway**

Q67 What is the Clavel Tower, and Where is it located?

ANS – A 19th Century FOLLY
 ~ Located on the top of Hen Cliff **0.25nm** East of Kimmeridge Bay

****NOTE:-** In Feb 2008, the Tower was re-located further back from the cliff edge

Q68 What, and Where are the Kimmeridge Ledges? What hazard(s) do they present?

ANS –

- A series of dangerous flat rock ledges extending seawards for **0.25nm** from the foot of Hen Cliff, and running east for **1nm** from Kimmeridge Bay to Rope Lake Head

- Max depth of water over the ledges is only **1-2m** at Mean Low Tides, thus representing a hazard to small craft running too close inshore

****NOTE:-** The inner ledges dry at LW Springs and it is possible, (with care), to walk

along the base of the cliff from Kimmeridge Bay as far as Clavell's Hard

Q69 What Commercial activity takes place in the area around Kimmeridge Bay, and what type of equipment / installations are associated with this activity?

ANS – Oil Extraction by BP from the large on-shore field here
Oil is pumped to the surface by 'Nodding-Donkey' pumps

Q70 What, and Where is Clavell's Hard Located? What hazard(s) does it present?

ANS –

- An old landing place and pier once used for shipment of Alum in the 18th Century. Located approx mid-way along the cliffs between Kimmeridge Bay and Rope Lake Head
- The Hard is not easy to reach from seaward, unless very calm. Also large lumps of scattered dressed stone abound just offshore, (probably the remains of the old pier). There is NO access between the cliff-top and the beach

Q71 Is Rope Lake Head accessible by CRV? How many other points along the coast between Kimmeridge Bay and the Head can be accessed by the CRV?

ANS –

- Rope Lake Head can be accessed by the CRV from **2** points:
 1. Via Swaland Farm off the Smedmore Estate private road, and
 2. Off the C' Road from Kingston, via Swyre Wood
- Additional CRV access points along the coast:
 1. Via Barn Dairy and Harry's Wood
 2. From Smedmore House

Q72 With reference to the Portland Coastguard Helicopter, state its:

1. Type / Designation and Radio call-sign
2. Current Operating Company and its terms of employment
3. Speed, Range and Endurance at Maximum all-up weight

4. Readiness, Operating hours and method of call-out
5. Designated Operating Area

ANS –

1. **AgustaWestland AW139** call sign: “**COASTGUARD 106**”, or “**RESCUE 106**”
2. CHC Helicopters Ltd – contracted until 2012
3. Speed: **150 knots** (max cruise) Range: **180nm**
Endurance: **2hrs 40 mins**
4. 0900-2100L, at **15 mins** readiness ~ call-out by Direct Line Scramble
5. Operating Area: Between Hengistbury Head & Start Point, out to the Mid Channel line

Q73 State the difference between Secondary and Additional SAR tasking of the Coastguard Helicopter?

ANS –

- Secondary Tasking = Transfer of a casualty from one Safe Haven to another
(i.e. Hospital – Hospital)
- Additional Tasking = Non Marine or Aviation related SAR activity
(i.e. Local Authority / Other Emergency Service Inland)

Q74 List Six (6) items of equipment carried by the Portland Coastguard Helicopter:

ANS –

Any 6 from:-

Honeywell Primus 701 weather/search Radar
 Honeywell Primus EPIC Nav Computer – GPS based
 SkyTrac ISAT-100 Satcom System
 Saab R4A AIS Transponder
 Chelton 935-11 V/UHF Tactical DF/Homer
 Wescam MX-15i FLIR / CCD TV
 Radio: V/UHF and Tetra
 Dual Rescue Hoist (Main and standby)
 Nightsun Searchlight
 SAR Equipment :- Smoke & Flame Floats, Life-raft and 1st-Aid Kit

Q75 What are the operating particulars of the Coastguard Helicopters' on-board Rescue Hoist?

ANS –

Goodrich Dual Rescue Hoist - **295ft** Cable; **600lbs** Max SWL; **0-350ft/min** variable speed

Q76 In the event of the helicopter's Rescue Hoist failing during SAR operations, how is the aircraft able to remain on task?

ANS – Aircraft is fitted with a Dual Rescue Hoist as standard ~ (as above)

Q77 List the Aerials available on the Portland Grove Point (POR) RRS:

ANS – F16, F0, AIR BAND, X, Y, VDSC, VD/F, AIS

Q78 In the event of mains power failure to the Grove RRS, what provision is made for UPS and for how long is it available? What other alternative power source is available in an emergency?

ANS – Portable Generator located at Portland Bill CRE

Q79 How many Auxiliary Coastguard Reporting Members are there in the Weymouth Sector, and Where are they located?

ANS – 4 Reporting members
Located at:- Chesil Cove, Portland Bill, Wyke Regis and Osmington Mills

Q80 From which coastal areas within the Weymouth Sector does Hang / Para-Gliding take place?

ANS – Grove Cliffs - East Side of Portland
Ringstead Bay- Launching from Burning Cliff and White Nothe
Lulworth - Launching from Dungy Head
Kimmeridge - Launching from Smedmore Hill

Q81 Where are the following Coastal / Inshore features located within the Weymouth Sector:

	Gore Cove?	Pom Pom?	Ocean
Rock?	Bacon Hole?	Fiddlers Race?	
	Onion Rock?	Adamant Shoal?	Atomic Buoy?
	Little Beach?	Small Mouth?	

ANS –
Gore Cove - In the East Fleet between Herbury and Moonfleet Hotel

Pom Pom - Old cliff-edge quarry just South of Long Point on the East side of Portland

Ocean Rock - Dangerous inshore rock at the foot of Blacknor Point, West side of Portland

Bacon Hole - Small rocky cove inside the Mupe Rocks ~ **0.75nm** East of Lulworth Cove

Fiddlers Race - Tidal Run **30m** off-shore opposite Grove Point, East side of Portland

Onion Rock - Dangerous rock at the entrance to Man-O' War Cove

Adamant Shoal - In centre of Weymouth Bay, **3nm** East of Durdle Pier Portland ~ Buoyed

Atomic Buoy - **1nm** South of Arish Mell, marks the end of the Winfrith AEE outfall pipe

Little Beach - East side of Portland, below Grove Point

Small Mouth - Ferrybridge, the access into Fleet from Portland Harbour – *Ht restriction

Q82 Where is the Helicopter landing Site, (HLS) situated for the Dorset County Hospital? Who is normally responsible for clearing the site and meeting the helo for Casevac's / Medivacs?

ANS – Dorchester Rugby Club pitch adjacent to Poundbury
GR: 194 / 678.899

WYKE IRT normally clear the site ~ SW AMB transfer casualty(s) to the Hospital

****NOTE:-** There is a HLS at the Hospital, it is very restricted and is for acute cases only

Q83 With reference to the Weymouth Bay charted anchorages, state:
1. The Designation, Number, Location and Use of each?
2. Which authority(s) are responsible for their upkeep?

ANS – 1. Designations, Numbers, Location, Use:

'G' - Off Portland NE Breakwater (Detached Mole) ~ **G1- G6**
Used by Large Commercial Vessels awaiting bunkering &/or port services
****[G3 and G6 nominated for Hazardous Cargoes]**

'R' and 'S' - Weymouth Roads ~ **R1-R3 and S1-S12**
Used by Large Leisure Craft

'T' - NE Sector of Weymouth Bay ~ **T1-T9**
Used by Commercial Vessels as shelter anchorages/awaiting orders
****[T2,3,5,6,8,9 nominated as Bad Weather Refuges]**

2. Responsible Authority:

'R' and 'S' anchorages = Weymouth Harbour - *(in liaison with Portland Port)
'G' and 'T' anchorages = Portland Port

Q84 Where is the safe disposal area for sea-located EOD's situated

ANS – In the Weymouth Bay Spoil Ground box, centred on: **110 / Fort Head / 3.8nm**

Q85 In Nov 2006, a Wave Buoy was deployed in the Sector for 4 years iaw NTM 11/06, state:

Its Position / Location AND Its Description and Characteristics

ANS – Position/Location: **50 36.13N 002 31.31W** – 400m off Chesil Beach (opp Rifle Range)

Description / Characteristics: Spherical **0.9m** diameter, high visibility YELLOW

White LED – Flash **5** every **20** seconds
Radar Reflectors fitted

Q86 What Flank SAR Resources could be requested from the Channel Islands for assistance during a major incident in the Mid Channel / Casquets TSS area

ANS –

Alderney ALB	- TRENT	14-04	
'Roy Barker 1'		~ Braye Harbour	
Guernsey ALB	- SEVERN	17-04	'Spirit of
Guernsey'	~ St Peter Port		
Air Search One	- BN ISLANDER	Channel Islands	Air
Search	~ Guernsey Airport		

Q87 List in order of priority, the locations of the Hyperbaric Recompression Chambers available to MRCC Portland

ANS –

1. Atlantic Enterprise, Poole – R-106 transfer direct using Whitecliff Rec HLS
2. St Richards Hospital, Chichester – liaise thro Solent CG
3. Derriford Hospital, Plymouth – liaise thro Brixham CG
4. Whipps Cross Hospital, Walthamstow, North London – liaise thro London CG

Q88 List the actions to be carried out by the Duty Watch in the event of a Full MRCC OUTAGE:

ANS –

- Inform RCCM and DAO immediately to agree evacuation
- Inform Brixham and Solent RCC's by quickest means possible – BT or GD92
- Instruct LYMESM and BEER IRT to liaise with Brixham RCC
- Instruct PB IRT to man Grove Point RRS – s/w to local and guard 16 & 0
- Instruct WEYSM to contact Sector SO's and act as mobile liaison
- Instruct EDSM and SO IRT to liaise with Solent RCC
- Inform Helo Base Portland
- Request BT NOU to divert 999 calls to Primary thro-put No's of BCG and SCG
- Make Ch16 and/or Ch 0 broadcasts (Desk Aide-Memoirs, Page C16)
- Secure the MRCC and evacuate building, **taking the Ops Room 'Grab Case'**
- Re-locate to Grove RRS and establish the ERC - test Emergency DSC Panel

Q89 You are required to task an ambulance to a casualty who has fallen on the rocks near Portland Bill Lighthouse, the Ambulance Control Operator will always ask you for the postcode – what is it?

ANS – DT5 2JT

****NOTE:-** This is also the postcode for Portland Bill NCI

Q90 Where is the South West NHS Trust (Somerset and Dorset) Air Ambulance based?

What is its radio call-sign?

ANS – Based at Henstridge Airfield, off the A30 mid-way between Sherborne and Shaftsbury

Radio call-sign: '**HELIMED 600**'

Q91 Where in the Sector would you find Special Yellow Buoys?

ANS – 1. The Wyke Sewer Outfall pipe (**0.75nm** SW of Chesil Beach opp Ferrybridge)

2. The Arish Mell Outfall pipe (aka the Atomic Buoy)

LOCAL KNOWLEDGE

EAST DORSET SECTOR

Q1 Define the Sector Boundaries:

ANS –
From Rope Lake Head KIMMERIDGE to the Dorset/Hants border at CHEWTON BUNNY

Q2 List the **CRT's** in the Sector, their GUARD, OPERATIONAL DESIGNATION and VEHICLE:

ANS –

St ALBANS	Rope Lake Head to Dancing Ledge	Cliff
and Search	Toyota HiLux	
	<u>and</u> : Poole Harbour – Arne Peninsular	
SWANAGE	Dancing Ledge to Middlebeare Farm	Cliff
and Search	Nissan Nivara	
POOLE	Holton Heath to Bournemouth Pier	
	Ext Search & Mud Nissan Nivara	
SOUTHBOURNE	Bournemouth Pier to Chewton Bunny	Ext
Search & Cliff	Nissan Terano	

Q3 State the Names of the Sector CRT - STATION OFFICERS and DSO's

ANS –

St Albans

Swanage

Poole

Southbourne

Q4 List the **LIFEBOATS** stationed in the Sector, their Speed, Range, Endurance and Maximum Survivor Capacity:

ANS –

<u>SWANAGE</u> 17K	ALB	-	MERSEY 145nm	7Hrs	61	12-23	
D-613	20K		LoS	ILB	-	D Class	3Hrs 6
<u>POOLE</u> 47-023	18K	ALB	-	TYNE 240nm	12Hrs	90	
826	35K	LoS		ILB	-	ATLANTIC 85	B- 3Hrs 22
<u>MUDEFORD ILB</u> LoS		-	ATLANTIC 85 3Hrs		22	B-806	35K

Q5 State the names of the Sector Lifeboat OPERATIONS MANAGER's and describe the ICCS
Paging format for each, and/or the DLA:

ANS –

Swanage	BT Pager	1824 - 91
Poole	BT Pager	1824 - 91
Mudford	BT Pager	1963 - 91

Q6 List all Declared SAR Resources in the East Dorset Sector:

ANS – 4 x CRT's :- St ALBANS SWANAGE POOLE
SOUTHBOURNE

1 x Coastguard Rescue Helicopter	-	AW139	c/s	106
Swanage RNLI: ALB and ILB	-	MERSEY / D Class		
Poole RNLI: ALB and ILB	-	TYNE / Atlantic 85		
Mudford RNLI: ILB	-	Atlantic 85		

Poole and Bournemouth RNLI Lifeguards
Boscombe Surf Reef RNLI Lifeguards
Volunteer Beach Lifeguard Units at: Poole, Bournemouth and Boscombe

Q7 List all Additional SAR resources in the East Dorset Sector:

ANS –

Dorset Marine Police (Poole):
Atlantic 21 ~ **'POLICE RIB'**

Poole Port Vessels:- Tug (18t BP) ~ "Herbert Ballam"
 Pilot Boats ~ "Venture" &
 "Vandyke"
 Patrol Launch ~ "Vigilant"
 Dory ~ "Vixen"
 PWC (x 2) ~ "Viper" & "Vasco"
Christchurch Council: Harbour Launch 'MIKE PAPA' ~
 Ribtec 585
 Dorset Police Helicopter
 'Police 10' ~ MD902
 SW (Dorset & Som) Air Ambulance 'Helimed 600' ~
 EC135
 Dorset Fire & Rescue Service - **No Declared MIRC capability
 Beach Lifeguard Units at: Branksome, Southbourne, Friars Cliff and
 Highcliffe
 Coastwatch Lookouts at: St Albans Head and Peveril Point (NCI)
 ACG Reporting Members at: Brownsea, Christchurch, Hengistbury &
 Highcliffe

Q8 What Paging Systems are in use for East Dorset Sector CRT's?

ANS – St Albans, Poole & Southbourne = Vodaphone. Swanage =
VHF Ch 0

Q9 Which CRT's in the East Dorset Sector are designated for Cliff Rescue? Are any of the teams equipped with a vehicle-mounted Capstan Winch?

ANS –

- St Albans, Swanage and Southbourne CRT's are designated Cliff Rescue
- Neither team has a vehicle-mounted winch, all are equipped with the standard-issue portable winch

Q10 What is the most Westerly point of St Albans CRT Guard?

ANS – ROPE LAKE HEAD

Q11 Where is St Albans CRE located?

ANS – Bonville Road, Worth Matravers
 GR: 195 / 967.772

Q12 Starting at Rope Lake Head, List all the significant coastal features to the East to Dancing Ledge, noting any hazards associated with each:

ANS –

- ROPE LAKE HEAD - Two dangerous ledges extend seawards
running SW / SSW
- FRESHWATER STEPS - Steps only go ½-way down cliff ~ *Treveal*
wreck **0.5nm** to South
- EGMONT POINT - Crumbling shale cliffs ~ ruins of the
Old Powder House here
- EGMONT BIGHT - Shallow anchorage except for
- EGMONT POND on East side
- HOUNS-TOUT CLIFF - Huge landslip area, much rock and scrub ~ rocky
shore-line
- CHAPMANS POOL - Steep footpath from cliff-top, good anchorage
- when wind off-shore
- St ALBANS HEAD - Highest point in Sector ~ climbers
active. **NCI** Look-out
- ~ U/water ledge extends SW **4nm**, beware Race
during Springs!!
- CRAB HOLE - NO access from cliff-top ~ NO easy
landing place for vessels
- WINSPIT - Dangerous worked-out
quarries ~ CRV access poss (rough track)
- SEACOMBE CLIFF - More old quarries, climbing activities here ~
as above CRV
- DANCING LEDGE - Old quarries, popular climbing area ~
CRV access poss across field

Q13 How many places can the CRV gain access to the shore-line in St Albans CRT Guard?

ANS –

On the Purbeck Coast:- Chapmans Pool
Winspit
Seacombe Bottom (via Eastington Farm)
Dancing Ledge (---“---
)

On the Arne Peninsular:- Shipstal Point
Arne Heath

Q14 Where is the nearest Telephone to Chapmans Pool? How far away is it? Is it Public?

ANS – At RENSCOMBE FARM approx ½ **mile** away NOT a Public Phone

Q15 What hazard to shipping, particularly small craft exists off St Alban's Head?

ANS –

An underwater ledge extending **4.5nm** SW, causing a RACE particularly fierce during Spring Tides

****NOTE:** An Inshore passage suitable for small powered craft exists

Q16 What is the height above sea level of St Alban's Head? What is situated at the Head?

ANS – **109 metres** (350 ft) - Coastwatch Lookout and the ancient CHAPEL

Q17 In the event of a climbing accident at St Alban's Head, Where is the nearest Public Telephone located?

ANS – 999-only phone situated on wall of the Coastwatch Lookout, **100m** from the Chapel

Q18 What are the potential hazards along Dancing Ledge?

ANS –

1. Vertical Cliffs - potential climbing accidents
2. Old quarry workings - Caving incidents / Roof-falls
3. Dangerous inshore undertow - hazardous for small craft

Q19 Where is the nearest Public Telephone to Dancing Ledge? How far away is it?

ANS – The Kings Arms at Langton Matravers - **1.5 miles** away!

Q20 Which CRT has the quickest response time to incidents at Dancing Ledge?

ANS – St ALBANS

Q21 Starting at Dancing Ledge, List all the significant coastal features to the **East** to Handfast

Point, noting any dangers as applicable:

ANS –

- | | |
|-----------------------|---|
| DANCING LEDGE | - <u>GREEN POINT</u> immediately East, <u>BOWER's</u> |
| <u>ROCK</u> off-shore | |
| <u>BLACKERS HOLE</u> | - Gaping recess in cliff face ~ access from cliff-top but difficult |

- LONG HOLE - Sea cave, **6m** depth ~ 1st pair of measured mile beacons on cliff-top
- RAGGED ROCKS - Giant blocks extending for **0.75nm** along base of cliffs
- ANVIL POINT - Lighthouse atop, popular climbing area ~ NO shore access from cliff
 - ~ Inshore tidal stream out to **0.5nm** runs opposite to off-shore ebb
- TILLY WHIM CAVES - Old quarry's, caves closed due to risk of roof-falls ~ footpath access,
 - ~ u/water rocks off-shore, 2nd pair of measured mile beacons above
- DURLSTON HEAD - Castle atop and Country Park, steep cliff with no access to shore
- DURLSTON BAY - Rocky shoreline, foul anchorage ~ footpath access at both ends only
- PEVERIL POINT - Twin arms with rock in between (visible at LW) ~ **NCI** Look-out atop.
 - ~ Ledges / Race extends well out to the SE ~ marked by Red Can
 - ~ RNLI ALB and ILB Boathouses on North side, **CRE** above
- SWANAGE BAY East. Free Slipway
 - ~ TANVILLE & SHIPPARD's LEDGES, + EVANS ROCK in Bay
 - ~ PUNDFIELD and SHEPS HOLLOW on North side
- BALLARD POINT - Vertical chalk cliff's, NO access to shore ~ U/water Ledge off-shore
- THE PINNACLES - Two isolated off-shore chalk stacks
- HANDBLAST POINT - NO access to shore from cliff-top ~ OLD HARRY ROCKS off-shore,
 - ~ Ledges and reefs abound extending some distance seawards

Q22 What are the characteristics of Anvil Point Light (APL)?

ANS – MAJOR LIGHT
 Flashing WHITE (1), every **10** seconds
 Elevation.....**45m** above MHW
 Range.....**24nm**
 Power.....500,000 Candela

Q23 Where does the 002 degree west Line of Longitude cross the coastline?

ANS – **0.2nm East** of Dancing Ledge

Q24 What is the name given to the Climbing area below Anvil Point Lighthouse?
Where is the
nearest Public Telephone to this point?

ANS –

- The 'SUBLUMINAL' climb
- There is a 999-only telephone on the wall by the Lighthouse gate

Q25 What problems are there involved in a Foot search of Durlston Bay shoreline?

ANS –

- The shoreline of the Bay is very rock-strewn and difficult to negotiate on foot
- The Bay can only be accessed from either end – (Peveril / Durlston Heads)
- Dangers exist from falling rocks due to coastal erosion

Q26 What charted hazard exists off Peveril Point? How is it marked, and What precautions should small craft take?

ANS –
from the Point

A dangerous underwater Rock Ledge runs **East** for **0.5nm**

The Eastern extremity of the Ledge is marked by a Red Can Buoy

Precautions:-

1. The sea gets extremely rough over the Ledge particularly at Spring Tides
2. Vessels should always sail outside of the Buoy

Q27 Where are the Tanville Ledges to be found?

ANS –
beach

In the middle of Swanage Bay – running **300m** off the main

Q28 Where is the Swanage CRE located?

ANS –

In North Beach Car Park off De Moulham Road

GR: 195 / 029.799

Q29 Where are the Swanage ALB and ILB located? How are they both Housed & launched?

ANS –

Lifeboat Station located off Peveril Point Road

ALB - MERSEY 12-23 Housed in Boathouse

– Launched by **SLIP**

ILB - D CLASS D-613 Housed in Covered Slip –
Launched by TROLLEY

Q30 How many slipways are there in Swanage? What are their designations/usage?

ANS – 2 slipways, one owned and operated by the Town Council and one for Public use

Q31 What Operational Limitation should be taken into account when tasking Swanage ALB?

ANS – There are NO Sea-state or Launching restrictions from the slip, however:
Adverse NE Winds and Tides can prevent Recovery of the LB up the slip,
(In this event the LB moors off the boathouse and the crew transfer using the ILB)

Q32 Can Ballard Point be reached along the shoreline from Swanage? What are the dangers?

ANS – Shoreline access is NOT possible – due to landslip at Sheps Hollow
Danger from falling rocks and further land-slips

Q33 Is it possible to conduct a shoreline search from Ballard Point Northwards to Handfast Point?

What other name is Handfast known by? What are the chalk stacks just off the Point called?

ANS –

- Shoreline access is NOT possible
- Handfast Point also known as THE FORELAND
- Off-shore stacks known as OLD HARRY ROCKS

Q34 Who administers the Ballard Down Estate? Which is the quickest means by which the CRV

can gain access to Handfast Point? Where can permission for access be obtained?

ANS –

- The National Trust (NT)
- Best access for CRV is via the GLEBE ESTATE off the Studland Road

- SWCRT hold all necessary KEYS – NO requirement to seek permission for access

Q35 What are the two isolated chalk Stacks immediately South of Old Harry Rocks called?

ANS – The PINNACLES

Q36 What is the main hazard to small craft in the vicinity of Old Harry Rocks? How many Stacks are there, and what are their names?

ANS – An underwater reef extends seawards for **500m** causing a Tidal Race/Run
2 main Stacks:- “Old Harry” (Synonym for the Devil!), and “Old Harry’s Wife”

Q37 How many places can the CRV gain access to the Studland Bay shoreline from the Sandbanks Ferry Road?

ANS – 4 vehicular access points off the Sandbanks Ferry Road:-
1. SOUTH BEACH – via Watery Lane
2. MIDDLE BEACH
3. KNOLL BEACH
4. SHELL BAY

Q38 Where is the HLS situated in the Studland area? Who else utilises this site?

ANS – At MARY’s FIELD – in the grounds of the Knoll House Hotel
GR: 195 / 033.834
Site is also used by the RM / Army Helicopters - (Chinooks / Gazelles)

Q39 What additional facility may be available in the Studland Beach area during the summer season, and what could it be utilised for?

ANS – Dorset Police have a Quad Bike, which could be utilised for a shoreline search

Q40 What is the name of the main hazard to shipping off Studland Beach? What is its purpose? Where is it located? What advice should be given to small craft in the vicinity?

ANS –

- The TRAINING BANK – a man-made underwater reef / rock ledge
- To prevent sand / shingle from Studland Beach scouring into the Swash Channel
- Bank extends **6.5 cables SW** from Shell Bay – Red Can Buoy 1 cable off the extremity
- Small craft entering Studland Bay from Poole Harbour must leave the buoy to Starboard

Q41 A boat informs the Coastguard that he is aground on Milkmaid Bank – Where is this position?

ANS – In Studland Bay - **3 cables East** off-shore from Middle Beach

Q42 A Marine Nature Reserve has been established in Studland Bay (Oct 2009), state:

1. Where is it located?
2. How is it marked?
3. What restriction is applicable to vessels within it?

ANS –

1. located in the south west corner of the bay opposite Studland Village, centred **1.5 cables** off the beach
2. Marked by Special Yellow Buoys at each corner and at the centre
3. Designated as a “**voluntary prohibited anchorage area**”

** NOTE:- The reserve is designed to protect a rare sea horse breeding area / habitat

Q43 What type of craft is the Sandbanks Ferry? What is its name? What is its main limiting operating factors? What are the main dangers associated with its operation?

ANS –

1. A CHAIN Ferry - Name: “ **Bramblebush Bay** “
2. Limiting factors:-
 - i. No lateral manoeuvrability or steerage capability
 - ii. Chains have to be renewed every 18 months
3. Main Dangers:-
 - i. Yachts likely to foul keel's on the chains and may capsize

Small craft can be swept up against the ferry during ebb tides

Q44 State the regulations in force concerning the Poole Harbour Chain ferry with regard to:

- a) 'Give way' Rules of the Road for itself and other vessels
- b) Statutory navigation displays by the ferry itself when

underway

ANS –

a) Rules of the Road:

- The ferry will give way to vessels subject to compulsory pilotage proceeding in or out of the harbour entrance
- All vessels not subject to compulsory pilotage shall give way to the ferry
- All vessels under 50m in length are obliged to give way to the ferry

b) When underway the ferry shall:

Display a WHITE STROBE light at all times, and in addition by day a BLACK BALL,
to indicate the direction of travel

Q45 What facilities do Poole Harbour Control have at South Haven?

ANS – 2 x remotely-controlled CCTV Cameras covering the entrance
Red and Green Sector Lights guarding the HOOK SANDS approach

Q46 What are the main dangers associated with the Entrance to Poole Harbour?
What are the

Two main Shipping Channels called?

ANS –

- Restricted width entrance - Dangerous during very strong S and/or SE winds
- The Chain Ferry operating across the entrance ~ continuous service 0700-2300
- Strong tidal stream through the entrance ~ particularly during Ebbs
- Congested shipping channels on the seaward approaches
- Varied traffic ~ from large commercial Ferries / Cargo vessels to small pleasure craft
- Proximity of the Training Bank (West) and the Hook Sands (ESE - SOUTH quadrant)

Main Shipping Channels:

The SWASH Channel
The EAST LOOE Channel

Q47 Name Four, (4) Islands in Poole Harbour:

ANS –

Green:

Any 4 from:

Long:

Giggers:

Otter:

Brownsea:

Round:

Pergins:

Brike:

Furzey:

Drove

Q48 Who owns Brownsea Island? What useful additional facility may be available here?

ANS – Owned by the National Trust (NT) - The Warden is a helpful contact point

Q49 What is the name of the Shipping Channel immediately inside the entrance to Poole Harbour?

What are the main hazards facing shipping in this Channel?

ANS – The HAVEN CHANNEL

Main Hazards:-

- i. Restricted width & manoeuvring area (Hard turn to Stbd imm after entry)
- ii. Proximity of **STONE ISLAND** close to Port ~ dries only at LW

Q50 What are the speed limits for all water craft inside Poole Harbour? How far do they extend to

Seaward from the entrance?

ANS – 10 Knots Mandatory, except for:

Town Quay / Little Channel; Holes Bay; South Deep (*Patchins Pt - S.Haven*) All **6 Kts**

The 10 Knot speed limit extends seawards in a **0.75nm** arc from the Harbour Entrance

** NOTES:-

1. There is an Environment Agency speed limit of **4 Kts** in the River Frome

2. Within 200m of Sandbanks Beach – speed limit = **8 Kts**

Q51 Where are the following locations in Poole Harbour:

Blood Alley? Whitley Lake? Goathorn Point? Middle Mud? Rum Row?

Holes Bay? Rockley Point? Wytch Channel? South Deep? Lake Pier?

ANS –

Blood Alley - Small craft channel running E-W off the **South** shore of Brownsea Island

Whitley Lake - Area between the North Ship Channel and Lilliput / Sandbanks

Goathorn Point - BP Pier on the South shore ~ used to supply the Furzey Island drilling rig

Middle Mud - Centre ground bounded by: Upper Wytch, Wills Cut & Wareham Channel

Rum Row - Sand-bank between the Middle and North Ship Channels

Holes Bay - Northern area beyond the Lifting Bridge ~ Ht restriction North of rail bridge

Rockley Point - At the entrance to Lytchett Bay ~ slipway here at the Yacht Club

- Wytch Chan of Brownsea Island - Small craft channel running E-W off the **North** shore
- South Deep and Stone Island - Navigable channel running between Goathorn Point and Stone Island
- Lake Pier - Hamworthy adjacent to the RM training Base
- ~ slipway here at the Marina

Q52 Where is the Aunt Betty Buoy located? What facility is available nearby?

ANS – At the East end of the Wytch Channel, North of Brownsea Island
 A Fuelling Barge for the use of small craft is moored just **South** of the buoy (VHF ch37)

Q53 Starting at the entrance and working anti-clockwise; List all Marinas / Sailing Clubs and

Boatyards in Poole Harbour:

ANS – ROYAL MOTOR YC
 SANDBANKS YC
 NORTH HAVEN YC
 EAST DORSET SC
 HARBOUR YC MARINA
 LILLIPUT SC
 SALTERNS MARINA
 PARKESTONE YC
 BLUE LAGOON SC
 MITCHELLS BOATYARD
 BAITER QUAY - ****[Public Slipway]**
 DOLPHIN HAVEN - Poole Town Quay
 SUNSEEKERS MARINA - Holes Bay
 COBBS QUAY MARINA - ----“----
 POOLE YC MARINA
 MORICONIUM QUAY
 LAKE MARINA - (Dorset Yacht Co)
 ROCKLEY SC - ****[Club Slipway]**
 RIDGE WHARFE and REDCLIFFE YC's - (In the Wareham River)
 SHELL BAY MARINE - (South Haven) ****[Private Slipway]**

Q54 Name the areas in Poole Harbour designated for; Windsurfing, PWC, Water skiing:

ANS – Windsurfing - Whitley Lake
 PWC use - Middle Mud
 Waterskiing - Wareham Channel

Q55 Where are the Poole RNLI ALB and ILB Located? How is each Housed and Launched?

ANS –

ALB - Moored **AFLOAT** at Poole Town Quay - Crew board by JETTY
ILB - FLOATING BOATHOUSE adjacent to the ALB - Launched by **ELECTRIC HOIST**

Q56 List Eight, (8) items of equipment carried by the Poole RNLI All Weather Lifeboat:

ANS –

Any 8 from:
VHF and MF Radio Tx/Rx
VHF and MF DSC
VHF D/F (incl 121.5Mhz)
Radar
DGPS Navigator
RCPS Electronic Chart system
Autopilot
Echo Sounders
Weather Sensors
Night Vision Equipment
Searchlights x 2
First Aid Equipment
Salvage Pump
Inflatable 'X' Boat

Q57 List the full Operating Characteristics of the Poole ALB:

ANS –

TYNE **47-023** ~ "City of Sheffield"
Max Speed: 18 Knots Endurance: 12 Hours
Range: 240nm
Crew: 6 Max Survivor Capacity: 90

Q58 What other SAR Resources are located at Poole Town Quay other than the RNLI?

ANS –

East Dorset Sector Manager and Poole CRT combined office
Dorset Marine Police Office - Police RIB moored alongside
Poole Port Pilots Office - Pilot Boats and Harbour Tug moored alongside

Q59 What is the name of the Poole Harbourmaster? Which Marine VHF channels are used?

What facilities are available in the Harbour Control Office?

ANS –

Harbourmaster:-
Port VHF Channels:- **14** – Port Main Working Channel
09 – Pilots
50 – Private

Channel
Harbour Control Facilities:- RADAR

CCTV ~ 5 x Remotely-operated Cameras

Q60 List the main Facilities / Services provided by Poole Port Authority: List also the Primary

Commercial users of the Port:

- ANS – Port Facilities / Services:-
- National Rail-connected Freightliner/palletised cargo-handling Terminal
 - 3 x RO-RO cargo/vehicle/passenger Ferry Link-span berths
 - Steel, fuel, clay, sand, aggregate, bulk cereal & general cargo handling quays
 - Pilotage, Lights, Moorings, Buoyage and Survey Services

Main Commercial Users:- Brittany Ferries/Condor: Arcelor
Group Arklow Shipping: BP: Shellfish Industry

Q61 List the Poole Port Authority Vessels in service:

ANS – Harbour Tug: - *Herbert Ballam* ~
(18 Ton bollard-pull)
Pilot Boats: - *Venture & Vandyke* ~ (26ft Nelsons)
Patrol Craft: - *Vigilant* (Launch) & *Vixen* (Dory)
PWC: - *Viper & Vasco*
Workboat: - *Rough Rider*
Mooring Vssl: - *Creekmoor*
Survey Vssl: - *Survey 1"*

Q62 Where is the Poole CRE Located?

ANS – Unit 5, Nuffield Industrial Estate
GR: 195 / 014.935

Q63 List the slipways that are available for launching small craft in Poole Harbour and state who

owns or is permitted to use each:

ANS – Baiter Quay - (Public ~ Poole Council)
Lake Pier - (Club ~ Dorset Yacht Co)
Rockley Point - (Club ~ Rockley SC)
South Haven - (Private ~ Shell Bay Marine)

Q64 Where is the Helicopter Landing Site (HLS) located in Poole?

ANS – Whitecliff Recreation Ground off Sandbanks Road
GR: 195 / 032.905
*(Ambulance entry is via the gate adjacent to Mitchell's Boatyard)

Q65 Where is the Recompression Chamber located in Poole? What is the name of the Operating Company?

ANS – 7, Parkestone Road ~ (1/4 mile SW of Poole Hospital)
GR: 195 / 018.911
Atlantic Enterprises Ltd

Q66 What activity takes place in Poole Bay which may lead to a possible Pollution Incident?

ANS – Undersea oil extraction by BP

Q67 Which Yacht Club has a Starting Platform in Poole Harbour? Where is it moored?

ANS – Parkestone Yacht Club - Platform moored off Baiter Point

Q68 What is the name of the Commercial Rescue Organisation operating out of Poole Harbour?

Which vessels do they operate?

ANS – SEASTART
Vessels operated: - "**Fisher RIB**" and "**Girl Fisher**"

Q69 Other than Shipping, what other Commercial operation takes place in Poole Harbour?

Where is it located, and what useful SAR facility may be available from the operators?

ANS – Undersea oil and gas extraction by BP - Drilling rig/well-head on Furzey Island
BP operate 2 Supply boats from Hamworthy Base: "**Sherwood**" & "**Furzey Squirrel**"

Q70 What Military activity takes place in Poole Harbour? Where is it located? What useful

Facility is also situated at this location?

ANS – Royal Marines Amphibious Training Base - (Landing Craft Training Wing)
Located at Hamworthy – The Base has a HLS:
GR: 195 / 984.910

Q71 List the possible vessels afloat in Poole Harbour which may be available for assistance as

Additional assets during SAR incidents:

ANS – “Furzey Squirrel” ~ BP Supply Boat
“Sherwood” ~ BP Personnel Ferry
“Highwire” ~ Environment Agency Patrol
Craft
“Lianda” ~ Former Aux CG vessel

Q72 Where is the Poole CRV garaged? What problems are encountered by Poole CRT during summer taskings?

ANS – CRV located at Unit 5, Nuffield Industrial Estate
GR: 195 / 014.935

The CRE is badly located on the northern outskirts of Poole, and the IRT are not always able to make their KPI due to traffic problems when collecting the CRV

Q73 What must be taken into account when tasking Afloat SAR resources into both Holes Bay and Lytchett Bay?

ANS – Vessels can only enter Holes Bay and/or Lytchett Bay at LW, due to the very low Height clearance below the Railway Bridges

Q74 What is the main danger associated with the Sandbanks beach?

ANS – The beach is gradually extending seawards due to the influence of the new groynes and the bathing area is encroaching into the East Looe Channel

Q75 Starting at Sandbanks and moving **Eastward** along the coast to Highcliffe: List the locations' of all the Beach Lifeguard Units operating during the Summer season:

ANS – SANDBANKS – (Poole LG's)
**Declared Facility
SHORE ROAD – (Flag Head Chine)
BRANKSOME CHINE

ALUM CHINE
DURLEY CHINE – (Bournemouth LG's) **Declared Facility
BOSCOMBE – (East End)
**Declared Facility
MANOR STEPS & FISHERMANS WHARFE – (Southbourne)
FRIARS CLIFF – (Highcliffe)
STEAMER POINT & HIGHCLIFFE CASTLE

Q76 Where is the boundary between Poole and Southbourne CRT's? What useful facilities are located in the vicinity during the summer season April-September?

ANS – Guard boundary is Bournemouth Pier
Facilities: 1. The Council Beach Office **50m** East of the Pier
2. RNLI Poole Bay Lifeguard Control near the BIC

Q77 Starting at Sandbanks: List all the significant coastal features **Eastward** to Highcliffe, noting any hazards applicable:

ANS –

SANDBANKS	- Aka ' <u>North Haven</u> ' ~ Popular Sandy beach with Groynes
FLAG HEAD CHINE	- Access from shore Road ~ St Anne's Psychiatric Hospital adjacent
BRANKSOME CHINE	- Road access down to beach ~ *keys required for gates
ALUM CHINE	- Road access down to beach ~ *keys required for gates
B'MOUTH PIER	- Used by excursion vessels for loading/unloading ~ Problems with Jet-skis in this area
BOSCOMBE PIER	- Popular angling spot ~ Not generally used for launching craft
DOUBLE DYKES	- Land feature across the Hengistbury Peninsular
HENGISTBURY HEAD	- CRV access possible along track ~ Owned by NT *HEN RRS
	<u>LONG GROYNE</u> at southern tip <u>LONG ROCKS</u> and <u>BEER PAN ROCKS</u> offshore ~ Tidal race
MUDEFORD RUN	- Entrance to Christchurch Harbour, Priory & Rossiters Quay Marinas
	Difficult entry for all craft due to sandbanks and tidal run <u>MUDEFORD SAND SPIT</u> and <u>YARRENTONS ROCKS</u> offshore
AVON BEACH	- Popular family attraction, Lost children! ~ Groynes can be a problem
STEAMER POINT and mudpools	- Coastal erosion site ~ beware falling rocks *MCATC

CHEWTON BUNNY - Steep rocky gully, stream can be deep & fast flowing **PCG Boundary**

Q78 What is the speed limit for craft inside the white buoyed area along the Poole Bay beaches?

ANS – 8 knots

Q79 How many Cable-Lifts are there down to the Bournemouth Promenade? Where are they Situated?

**ANS – 3 x Cable-Lifts, at: - West Cliff ~ (Adjacent to the BIC)
East Cliff ~ (Meyrick Road)
Southbourne ~ (Putting Green)**

Q80 What artificially created hazard to small craft exists off Boscombe Beach? What navigational aid is employed to warn vessels to seaward?

ANS – A Surf Reef. Marked by South Cardinal Lightbuoy to seaward

Q81 Where is the Helicopter Landing site (HLS) situated in Bournemouth? What is its main use?

**ANS – St PETERS JNR SCHOOL sports field, off Holdenhurst Avenue
GR: 195 / 129.935
Used for transfer of CASEVACS to/from the Royal Bournemouth Hospital**

Q82 What is the feature known as the 'Zigzag' and where is it situated?

ANS – A set of reverse-direction steps down to the promenade, situated **100m West of Boscombe Pier**

Q83 Is it possible for the CRV to drive along the Full length of Bournemouth sea-front from Southbourne to Poole?

ANS – YES – but only if the keys to all the council barrier gates are in the vehicle

Q84 Where is Southbourne CRE located?

ANS – Admiralty Road, Southbourne

GR: 195 /

149.912

Q85 What is the height above sea level of Hengistbury Head? What District facility is located here?

Who owns the Head, and where can the keys to the barrier gates be obtained from?

ANS – Height: **36m** (120ft)

HEN RRS - X, Y, DSC, D/F

National Trust – Keys obtainable from the Land Train Office @ the Public Car Park

******(Keys also held in the Southbourne CRV)

Q86 What are the main inshore hazards to small craft rounding Hengistbury Head eastwards?

ANS – Beer Pan Rocks and the Tidal Race over the Long Rocks

Q87 Describe briefly the problems facing small craft attempting to enter Christchurch Harbour:

ANS –

- Have to negotiate the RUN – narrow channel between the Sandspit & Mudeford Quay
- Can only approach from the NE, proceeding parallel to Mudeford Quay
- Can only enter under power – cannot be safely negotiated under sail at any time
- Strong tidal Rate @ both Flood and Ebb – (Can reach **9 Kts+** particularly on the Ebb)
- Channel is very shallow depth, particularly @ LW Springs
- Failure to keep to the narrow marked channel will most probably result in grounding

Q88 How many Rivers/Streams flow into Christchurch Harbour? What are their names?

ANS – Rivers: STOUR, AVON and MUDE; and the BURE stream flow into the Harbour

Q89 Where is the Mudeford RNLI ILB Located? What Type is it and how is it Housed & Launched?

ANS – On Mudeford Quay, adjacent to the Harbour Café
GR: 195 / 182.916
ATLANTIC 85 - B-806 "Mudeford Servant"
Housed Slip
Launched by **TROLLEY**

Q90 How far up the River Stour does Southbourne CRT Guard extend?

ANS – Up to Tuckton Bridge

Q91 Where is the Helicopter Landing Site (HLS) located in the Christchurch area?

ANS – The BAe Systems Factory sports field at Somerford
GR: 195 / 181.932

Q92 What Additional SAR resource might be available in the event of an incident in the Christchurch Harbour area during the summer season?

ANS – Christchurch Council Harbour Patrol Rib '**MIKE PAPA**' ~ Ribtec 585

Q93 What other SAR Resource is available to Southbourne CRT in the event of a major incident in the Christchurch Bay area?

ANS – The MCA Training Centre and its CRE at Steamer Point, Highcliffe

Q94 What problems may be encountered along the beach below Steamer Point / Highcliffe Castle?

- ANS –**
- Falling Rocks from the unstable cliff edge
 - Mudpools at the base of the cliff and along the beach
 - The Groyne along the beach

Q95 What local feature is located immediately west of the Portland District Eastern Boundary at The Chewton Bunny car park? What is the OS Grid Reference?

ANS – The 'Cliffhanger' Cafe
GR: 195 / 217.933

Q96 What particular Tidal feature affects the East Dorset coast from Lulworth to Highcliffe?

ANS – Double High Tides –
(Also applicable to both Poole and Christchurch Harbours)

Q97 Where are the following Charted Positions located in the East Dorset Sector:
1. Long Groyne? 2. Beer Pan Rocks? 3. Yarrentons Rocks? 4. Double Dykes?

ANS –
1. On the Southern tip of Hengistbury Head
2. Region of shallows **100m** off the Long Groyne ~ creates a Tidal Race @ Ebb and Flow
3. Remains of an old pier **100m** SE of Mudeford Run Sandspit ~ exposed @ LW
4. On-shore across the Hengistbury peninsular ~ $\frac{3}{4}$ **mile** West of the Head

Q98 Where does Hang-Gliding &/or Para-Gliding activity take place in the East Dorset Sector?

ANS –
1. Kingston ~ Smedmore Hill
2. Swanage ~ White Cliff
3. Southbourne ~ **1 mile** East of Boscombe Pier

Q99 Briefly describe any areas where VHF Radio Communication difficulties may be encountered in the East Dorset Sector:

ANS –

- Below Gad Cliff and along Kimmeridge Ledges
- Below St Albans Head ~ Chapman's Pool
Winspit
Seacombe
- Purbeck ~ Along Dancing Ledge
Below Anvil Point
- Swanage ~ Durlston Bay
Below Ballard Down
Studland Road (Ballard Gap area)
- Northern areas of Poole Harbour ~ Holes Bay and Lytchett Bay
Holton Heath, Creekmoor and
Keysworth

Q100 Where are the measured mile marker posts located in the East Dorset Sector?

ANS –

The pairs of indicator posts are located on the cliffs of the Purbeck coast between Dancing Ledge and Durlston Head, actual locations are:

Western Markers – **0.3nm** East of Blackers Hole

GR: 195 / 012.768

Eastern Markers – **0.1nm** NE of Anvil Point Lighthouse,
above the Tilly Whim Caves

GR: 195 / 030.770

Q101 Where are the following Coastal Features located in the East Dorset Sector:

- | | | |
|---------------------|--------------------|---------------|
| 1. Parsons Barn? | 2. Pottery Pier? | 3. Little |
| Sea? | 4. Ridge Wharfe? | |
| 5. Stanpit Marshes? | 6. Priory Quay? | 7. Blackberry |
| Point | 8. Rossiters Quay? | |

ANS –

1. Headland **2 cables** South of Old Harry Rocks
2. Landing Jetty at the Western end of Brownsea Island
3. Inland lake on the Studland Dunes Nature Reserve
4. Yacht Marina on the River Frome, $\frac{1}{4}$ **mile** upstream from the entrance
5. North-Western shoreline area of Christchurch Harbour
6. Yacht Marina (with Lock) – River Stour, Christchurch
7. U-Shaped Island in the centre of Christchurch Harbour
8. Yacht Marina – River Avon, Christchurch

Q102 Should the Portland CG Helicopter NOT be available for an incident in East Dorset Sector,

What other Aviation Resources might be available for SAR tasking?

ANS –

- | | | |
|------------------------------|----------------|---------------------|
| 1. SOLENT CG Helicopters | <u>AW139</u> | - c/s: '104 / 105' |
| 2. Dorset Police Helicopter | <u>MD 902</u> | - c/s: 'Police 10' |
| 3. Hampshire Police Aircraft | <u>BN 4000</u> | - c/s: 'Boxer 10' |
| **(Req via HQ Winchester) | | |
| 4. Hants and IOW Air Amb | <u>BO 105</u> | - c/s: 'Helimed 56' |

Q103 List Four (4) items of equipment carried by the Dorset Police Helicopter:

- ANS – Any 4 from:
- VHF Radio – (Has Marine band Chan 0)
 - Thermal Imager
 - Night Vision Equipment
 - Real-Time Video Camera
 - Stabilised Binoculars
 - Skyshout PAS
 - Nite Sun
 - Moving Map (GPS Based)
 - Stolen Vehicle Tracking System
 - NATS Radio System - (Emergency Services Net)

Q104 Can the Dorset Police Helicopter operate over water?

ANS – YES, out to **5nm** - ****but it is Not SAR capable** ~ (not winch fitted)

Q105 What Declared FLANK Resources are immediately available to the East Dorset Sector from Solent Coastguard District?

ANS –

SOLENT CG HELO's	- AW139 x 2	104 / 105
LYMINGTON CRT		
LYMINGTON RNLI ILB	- Atlantic 75	B-784
YARMOUTH RNLI ALB	- SEVERN	17-25
CALSHOT RNLI ALB	- TYNE	47-
037		
CALSHOT RNLI ILB	- D Class	D-609
BEMBRIDGE RNLI ALB	- TYNE	47-
018		
FRESHWATER BAY IRB	- SEA RIDER 7.4	** (Private boat –

IOW)

Q106 Which FRS have a declared MIRG capability within the combined Portland / Solent Coastguard Districts?

ANS –

- EAST SUSSEX
- HAMPSHIRE
- GUERNSEY
- JERSEY

Q107 You are required to task an ambulance to a casualty who has fallen from the cliffs near:

- Anvil Point Lighthouse
- St Albans Head NCI Lookout

The Ambulance Control Operator will always ask you for the postcode – what are they?

ANS –

- BH19 2JN**
- BH19 3LN**

Shetland

MRCC SHETLAND LOCAL KNOWLEDGE TEST LEVEL A

WM; WO who substitute.

Minimum level: 3-4 equivalent throughout.

LOCAL KNOWLEDGE

Test papers should comprise of 17 questions covering the 17 areas identified. Marks out of 10 allocated per question, making a total of max 170 marks per paper. Pass mark is 80% = 136 marks.

For more senior officers being tested, in addition to basic local knowledge, a more detailed knowledge of emergency and contingency plans, call out procedures for emergency towing arrangements etc and action in major pollution and salvage incidents is required.

LOCAL KNOWLEDGE

1 SAR units

All RNLI Lifeboats within Shetland District

Location	Operating area	Class	Speed
Lerwick (17-10) (East Shetland; NW & SW Shetland – weather. Severn 25kts	232002490	2SHV	
Kirkwall (17-13) (North Orkney; NW & SE Orkney – weather. Severn 25kts	232003051	GLJT	
Aith (17-14) (North & West Shetland Severn 25kts	232003052	GFRC	
Stromness (17-16) (West Orkney & N Scapa Flow Severn 25kts	232003134	MCQT8	
Longhope (16-05) (S Scapa Flow, SW/SE Orkney, Pentland Firth. Tamar 25kts	235030387	MKHM8	

Occasions when RNLI HQ must be informed

- a) any lifeboat or crew member is involved in an accident whilst on service;
- b) any lifeboat attends an incident where the crew may be subjected to serious risk, including risk of explosion, dangerous chemical cargoes etc.;
- c) loss of communications;
- d) two or more ALBs are launched to one incident;
- e) an ILB is launched in Force 6 or above, or an ALB is launched in wind conditions of Force 8 or above;
- f) any lifeboat is launched to an incident more than 30 miles from the Lifeboat Station;
- g) an ALB is launched to an incident which could involve being at sea for more than 6 hours.

(10 marks)

**2 SAR units in adjacent MRCC
Aberdeen District
Military aircraft**

Location	Operating area	Callout	Speed
Nimrod			
Kinloss			
UKSRR			
ARCK			
400kts transit	still air		
240kts search	still air		
RAF Sea King			
Lossiemouth			
Scotland			
ARCK			
125kts still air			

Night search capability of military aircraft (FLIR etc)

Nimrod
Extensive electronic detection aids – maritime patrol
Limited visual – side blisters
Searchlight
Pyro Illuminants

Sea King
Pilot NVG
Limited electronic aids
Limited visual – side windows and door
Searchlight
Pyro Illuminants

(10 marks)

**3 Sector organisation
Shetland CRT**

Name and locate on map/chart

- | | Location | CRT or CRT(I) |
|-----|-----------------|---------------|
| 1. | Baltasound | CRT |
| 2. | Fetlar | CRT |
| 3. | Out Skerries | CRT(I) |
| 4. | Mid Yell | CRT |
| 5. | Whalsay | CRT(I) |
| 6. | Bressay | CRT(I) |
| 7. | Lerwick | CRT |
| 8. | Noness | CRT(I) |
| 9. | Sumburgh | CRT |
| 10. | Fair Isle | CRT |
| 11. | West Burra Isle | CRT(I) |
| 12. | Walls | CRT |
| 13. | Huxter | CRT(I) |
| 14. | Papa Stour | CRT(I) |
| 15. | Hillswick | CRT |
| 16. | Sullom Voe | CRT(I) |
| 17. | North Roe | CRT(I) |
| 18. | Gloup | CRT(I) |

(10 marks)

4 Other Organisations

Other authority vessels and aircraft often in Shetland District. Name and purpose.

SFPA - Watchdog aircraft - A&B - Fisheries Patrol

SFPA - vessels - Jura etc. – Fisheries Patrol

NLB – vessels – Pharos & Pole Star – Lighthouse duties.

NLB – helicopter – Lighthouse duties.

C&R – vessels – Sentinel, Seeker, Searcher – summer time.

Jigsaw vessels – standby/SAR – offshore oil and gas.

Jigsaw helicopters - Bond 1 & 2 – SAR – offshore oil and gas.

(10 marks)

5 Geographical Features

Name and locate where the oil and gas pipelines come ashore in Orkney and Shetland & where they come from.

Orkney – Rumley Pt, (S. Ronaldsay) from Piper & Claymore Fields (oil and gas)

Shetland – Firths Voe from S. Cormorant Fld (oil)
Grut Wick, (Lunna) from Ninnian Fld (oil)
Orca Voe from Foinaven and Schiehallion (gas)

10 marks)

6 Dangerous and Potential Incidents

Tidal cut offs

Brough of Birsay. Locate and describe.

NW Mainland Orkney. Causeway across from Mainland side to Brough. Awash at highwater. Neolithic remains on Brough attract tourists and school parties throughout the year.

Safe to cross to the Brough of Birsay between which times.

Depends on the weather. Safe LW +/- 2hrs. May be able to cross from 4 hours before to 2 hours after. Best not to go across after LW. Custodian on duty during summer months.

Phone box in village with no sight of causeway.

Safe to remain on island if weather etc permits.

If evac reqd then poss SMS LB but probably R102. SMS CRT

Suicide black spots

Orkney

Shetland

Orkney

Mainly Yesnaby though Kirkwall, Broughness and Stromness Harbours sometimes used. Other than Yesnaby no cliff fallers.

Yesnaby at the end of long straightish road. Few houses along the road. Sometimes drive car straight off cliff. May ground on cliff top. Usually get out and run over cliff. Not high but v rocky at bottom. No one so far survived fall off Yesnaby.

Usually gone by the time CG etc. get onscene.

Exposed coast. Difficult for LB to get close in. Too rough for Y boat. Helo reqd. CRT on cliff top. Best recovery may be from top.

Shetland

Mainly Knab. In view from Ops Room. Many houses and school in view from Knab. Graveyard co-located. Have been talked out of it and some have survived fall. LB and Y boat may have job done by time helo onscene. Helo may be quickest means to GBH.

(10 marks)

7 Shipping and other waterborne activities

Dive tenders and dive parties favourite places in Orkney (outside Scapa Flow) and Shetland. Dive type/depth and associated problems.

Orkney

N Isles, esp Westray and Stronsay Firths. Drift dives. Normal bottles. Shallowish - SMS pot can usually cope. SOP with Balfour.

West of Orkney – WWI & WWII submarines etc. Wreck diving. Deep water, technical dives, mixed gases. Usually req medevac to Aberdeen. Helicopter by far quickest SRU. Stornoway of Lossie pos closest. Diver medical advice.

Shetland

Throughout. Wreck and drift diving. Usually standard sub aqua but some tech and mixed gases – check. No medical pot in Shetland. Diver medical advice if time or land to GBH for medevac to ARI if reqd.

(10 marks)

8 Other assets and sources of information

SFPA aircraft. How and when to use to assist in SAR. How to callout.

SFPA - WATCHDOG PATROLS

SFPA operate aircraft in support of the Fisheries Patrol effort. Directflight based at Exeter airport and Highland Airways based at Inverness airport provide the aircraft for DEFRA and SFPA respectively. For this role, both companies operate two Cessna 406 aircraft engaged in a heavy schedule of patrols covering all UK sea areas albeit within the national boundaries of their areas of operation. The aircraft, although operated by different companies use the Callsign "Watchdog 71 and 72" - Directflight, and "Watchdog 64 and 65" - Highland Airways.

The aircraft are crewed by 2 pilots and a radar operator. The pilots are invariably commercially trained but the aircrewmembers are all ex NIMROD 'back crew'. The crews have undertaken SAR training, are keen to liaise closely with HM Coastguard and to assist in SAR where possible and appropriate. The aircraft monitor VHF Channel 16, and it should be noted that they have a selectable VHF D/F capability which includes 121.5 MHz.

An aircraft engaged in a surveillance patrol could be requested to divert to a SAR incident to assist in the tasks mentioned below. They are not declared facilities and must not be tasked to launch to an incident. ARCC should be advised of their involvement. The aircraft could undertake a search (the Directflight aircraft have a fax and telephone as part of their SATCOM fit), use their 121.5 D/F in a homing capacity in the case of an EPIRB alert and could act as ACO. As with all aircraft, in a comms search, you can request the aircraft to call

a missing vessel on your behalf, greatly increasing the range of your VHF coverage.

Because of the nature of their work, (monitoring the movement of fishing vessels), we are not in a position to know exactly where an aircraft is at a particular time, however, should we require the assistance of one of these aircraft, each has a slightly different contact procedure. For Directflight, contact should be made through the Duty Directflight Co-ordinator at Exeter Airport. For Highland Airways, contact should be made through the Duty Officer at SFPA as follows:

Duty Co-ordinator Directflight 01392 444646

Duty Officer SFPA 0131 244 6074

Once contact is established, care should be taken not to openly compromise the aircraft's position (unless the pilot volunteers it). A suitable approach would be to ask if the aircraft could assist within so many miles of the datum position.

Tugs and towing companies. Name, location and callout.

Orkney

Orkney Towage. Scapa Pier/Scapa Flow. Callout via Orkney Harbours after consultation with SOSREP.

Shetland

Shetland Towage. Sella Ness/Sullom Voe. Callout via Sullom Voe after consultation with SOSREP.

(10 marks)

Major incident plan

Where and what is it

In the plan bookcase in the EPR & on the Mnet.

The MIP is a generic plan to be in response to a major incident.

It operates in conjunction with other plans.

It outlines how and when a major incident is declared.

Contact details.

Duties and responsibilities.

The response from MCA depending on incident type.

Checklists etc.

(10 marks)

9 Pollution

Local procedures for Lerwick Harbour. Action by MRCC.

If spill is related to SAR then comes SAR first.

Once SAR is under control then:

As per the Harbour plan in EPR.

MRCC action is to monitor and report to CPSO etc as reqd.

MCA action to be as support for Hbr Authority.

If spill is serious then, in consultation with CPSO etc., alert other authorities/bodies with an interest.

Sensitive area – early action reqd. Alert CRTs to monitor and report. H&S issues.

(10 marks)

10 Sector visits

Visit all sectors on a rolling 5 year plan

LK patrol alone and with SMs.

Visit LB stations, Hbr Offices, VTS, main ports, main airports (ATC), SAR helo bases.

Visit aerial sites, CRE, incident blackspots, main leisure areas, marinas,

(10 marks)

11 Radio coverage

Best VHF aerial for speaking to a station close west of Hoy.

Dunnet X. However, if in Rackwick area then need SMS CRV S Bay of Ireland and relay.

Best VHF aerial for speaking to a station in Bring Deeps.

Wideford. However, may have to have Aberdeen relay from Dunnet or Thrumster sites.

Aerial sites to man up in the event of a full outage at MRCC Shetland.

As per current BCP. But usually Circuitsure Collafirth and Fitful to Aberdeen. Man Baltasound CRE base set, man hilltop at Scouseborough, Fair Isle base set, Wideford hilltop unless Aberdeen still have their Wideford X. Be prepared to put out CRV to cover gaps in the event of SAR.

(10 marks)

12 Ability to Operate Ops Room Equipment

By demonstration.

VISION

ICCS

AIS

SARIS

WEBGAD

FREEDOM

DSC

Portable radio
Emergency VHF
ECP
DF

(10 marks)

13 ROW

Role

The Receiver of Wreck is responsible for the administration of Merchant Shipping legislation relating to wreck and salvage, specifically with the investigation of claims to ownership of recovered wreck, researching wreck information, the negotiation and settlement of salvage claims and the return of recovered property to the rightful owner or to a relevant museum. In addition to this statutory responsibility, the Receiver of Wreck administers section 2 of the Protection of Wrecks Act 1973 in relation to the protection of dangerous wrecks and is also responsible for the administration of the Royal Prerogative for Fishes Royal.

Procedure for reporting cargo washed ashore.

Collect all usual info.
Log in a VISION incident.
Pass to ROW at earliest opportunity.
If valuable – guard, info police, info ADO. Act as reqd.
If dangerous – act safely. If possible cordon off, info police, info fire brigade/EOD etc as reqd.

(10 marks)

14 Charts and publications available

Local suppliers of Admiralty charts in Orkney and Shetland

Local agents hold small supply of local charts. Uncorrected.
Orkney –
Shetland – LHD.

Coverage available without ordering

Local Shetland and Orkney Admiralty charts. Very limited supply.

(10 marks)

15 ETV arrangements

What is CAST

The Coastguard Agreement for Salvage and Towage (CAST) is a standing agreement with the operators of tugs and other vessels capable of assisting MCA with towage, salvage or other work related to the saving of life or property or environmental protection. It enables the rapid deployment of suitable vessels, if available, under MCA's control and direction, with the terms and conditions of service pre-agreed.

Location of CAST tugs in Shetland District

SHETLAND TOWAGE

(non-international voyages only)

Sullom Voe	Vessel	Bollard Pull	Firefighting
24 hour contact: 01806 244256	Stanechakker	54T	FiFi 0
	Tystie	56T	FiFi 1
	Dunter	56T	FiFi 1
	Tirrick	45T	No
	Shalder	45T	No

How to callout

See above or via Sullom Voe.

(10 marks)

16 Controlled air space and flying restrictions

Types of flying restrictions and their effect

Main points from:

In the event of a disaster occurring on land or sea within the boundaries of the United Kingdom Flight Information Regions (FIRs), the Emergency Controlling Authority (ECA) may, either establish a Temporary Danger Area (TDA) or impose a Temporary Restriction of Flying Regulations (TRFR) made under the Air Navigation Order.

This is done to inhibit flight in the vicinity of the disaster by aircraft not directly engaged in emergency action and thus ensure the safety of life and property, particularly for those working at the scene of the disaster or engaged in SAR. Similar restrictions might also be necessary in the case of an emergency not classed as a disaster, but in the majority of cases, a TDA should suffice and will, because of the time scales involved, be the first action taken.

7.1.2 Authority to Initiate Restrictions

Coastguard Headquarters at Spring Place is the ECA for civil maritime incidents. During a SAR incident, such powers are delegated to the co-ordinating MRCCs. (See 7.3.1.below).

7.1.3 Authority to Establish a Temporary Danger Area

Director Airspace Policy (DAP) is empowered to establish a TDA; to ensure a rapid response at all times to a request from an ECA, these powers are permanently delegated to the London Air Traffic Control

Centre (Military) (LATCC (Mil)), through Headquarters Strike Command (HQ STC). See 7.3.1 below for contact details. Promulgation is by Notice to Airmen (NOTAM).

7.1.4 Authority to Establish a Temporary Restriction of Flying Regulations

With the exception of the airspace within the territorial waters boundary of the Isle of Man (IoM), restriction of Flying Regulations, can be created only by a Statutory Instrument made on the authority of the Secretary of State for Transport, using the powers conferred on him by Article 96 of the Air Navigation Order 2005. See Annex A.

In practice, this authority is delegated to officials of the Department for Transport (DfT) who can react at any time to the recommendations of the CAA. Within the Directorate of Airspace Policy, submissions for temporary Restriction of Flying Regulations must be passed to DfT by a representative of the CAA Legal Adviser.

Within the IoM airspace, Restriction of Flying Regulations can only be created by a Statutory Document made on the authority of the IoM Duty Manager using powers delegated to him. Within the Directorate of Airspace Policy, submissions for temporary Restriction of Flying Regulations must be passed to the IoM Airport Security Post by a representative of the CAA Legal Adviser.

7.2.1 Temporary Danger Area

A TDA is airspace in which activities dangerous to the flight of aircraft may exist and it is established to discourage aircraft, not directly concerned with the incident, from flying in the vicinity. However, there is nothing to prevent a civil aircraft from flying into a TDA; though having done so the aircraft commander is required by law to comply with instructions given by, or on behalf of, the person responsible for safety within that airspace. Before a TDA is established the co-ordinating MRCC must be sure that danger to aircraft might exist.

It should be noted therefore, that avoidance of TDAs is advisory for civil aircraft but mandatory for military. Fast jets, on receipt of a broadcast issued by the Distress and Diversion cells on the guard frequencies, will avoid the area. Civil aircraft (particularly light aircraft) may only have one radio which will be tuned to whatever ATC they are working - if at all. They are unlikely to be listening to guard frequencies so they may not be aware of the announcement. If they enter the TDA inadvertently, they should be made aware of its existence. If they do not leave the area after this warning they can be reported to the CAA.

7.2.2 Temporary Restriction of Flying Regulations

When Temporary Restriction of Flying Regulations have been brought into force either because a TDA has failed to meet its objective, or has been deemed inappropriate, the ECA, e.g. co-ordinating MRCC in civil maritime incidents, is the only authority which may grant permission for aircraft to be flown within the notified airspace. (However, see 7.2.3 below). Subject to overriding considerations of safety, flights by aircraft directly associated with the emergency action will invariably be given priority over those seeking to overfly the area for any other reason. If appropriate, any permission should stipulate the following:

- any altitude limitations;
- the R/T frequency and callsigns to use;
- the fact that the aircraft must leave the area if instructed to do so by the ECA.

7.2.3 Co-operation with ARCC

If it is necessary to impose a TDA, ARCC should be informed. ARCC may be requested to manage the airspace on behalf of the co-ordinating rescue centre. See also 7.4.

7.3 ALERTING

7.3.1 Procedure For Establishing a TDA

Having assessed the need to restrict flying over the incident, the SMC has the authority to ask for the establishment of a TDA of the minimum area required to protect both surface and air operations. This should, where practicable, be done in consultation with the DAO and DNSARO.

The Military Aeronautical Information Service (AIS (M)) Duty Officer at LATCC (Mil) is to be telephoned at West Drayton on 01895 426150 and told:

- a. the nature of the incident and type of restriction required;
- b. the latitude and longitude (or National Grid of Great Britain Co-ordinates) of the location, with horizontal and vertical dimensions of the airspace to be protected (this

April 2006

4 - 7 - 4

Amendment 6

may be expressed as a radius around a point and a height limit). Lateral distances are to be measured in nautical miles and vertical limits in feet. If vertical limits are quoted above surface level they will be converted to altitude (i.e. above mean sea level) for subsequent Statutory Instrument and NOTAM action;

- c. the co-ordinating MRCC and telephone number;

- d. R/T frequency, if any, for use by aircraft not participating in the operation.

7.3.2 Subsequent Considerations

The AIS (Mil) (See 7.3.1) is to be advised:

- a. any changes required in the location, or dimensions, of the designated area;
- b. the requirement to establish Restriction of Flying Regulations, i.e. a TDA has failed to achieve the safety objectives;
- c. when restrictions may be lifted;
- d. if ECA is transferred to ARCC.

7.3.3 Consequences of Establishing a TRFR

Establishing a TRFR calls for a temporary change in the law for the Air Space in question. Those requesting such a change should be aware of this and should consider very seriously the implications. Nonetheless, officers should not deflect from taking such a decision if it is deemed necessary.

Officers should be aware of controlled airspace within their Areas and the significance of establishing such restrictions on scheduled traffic. Knowledge of controlled airspace should form part of Local Knowledge Tests.

7.4 REQUESTING ARCC TO RAISE A TDA ON BEHALF OF MCA

MCA and ARCC can both raise TDAs. In practice, MCA do so very rarely and ARCC do so frequently and are therefore well practiced in the procedure. An MRCC can ask ARCC to raise a TDA on the MCA's behalf. In fact it is always wise to check with ARCC to see if they have already done so.

From ARCC's viewpoint, they will look at the location of an incident with respect to other aviation activity in the area, with particular regard given to military fast jet activity. They may not consider nor be aware of counter pollution operations nor the presence of gas either because of venting or escape.

At the conclusion of SAR activity, it is likely that the ARCC will terminate the TDA if they were the agency that set it up. If an MRCC has other reasons for raising the TDA e.g. counter pollution operations, venting of gas etc, discussion and agreement as to the nature and duration of the TDA should take place between the MRCC and ARCC in order to avoid potential misunderstanding.

(10 marks)

**MRCC SHETLAND LOCAL KNOWLEDGE TEST
LEVEL B**

**CWA who substitute as WO; WO who do not
substitute; WM on transfer.**

Minimum level: 3 equivalent throughout.

LOCAL KNOWLEDGE

Test papers should comprise of 17 questions covering the 17 areas identified. Marks out of 10 allocated per question, making a total of max 170 marks per paper. Pass mark is 80% = 136 marks.

For more senior officers being tested, in addition to basic local knowledge, a more detailed knowledge of emergency and contingency plans, call out procedures for emergency towing arrangements etc and action in major pollution and salvage incidents is required.

LOCAL KNOWLEDGE

1 SAR units

Shetland District

RNLI Lifeboats	Location	Operating area	Class
----------------	----------	----------------	-------

Max Speed

Location	Operating area	Class	Speed
----------	----------------	-------	-------

Lerwick (17-10)	232002490	2SHV
-----------------	-----------	------

()

East Shetland; NW & SW Shetland – weather.

Severn

25kts

Kirkwall (17-13)	232003051	GLJT
------------------	-----------	------

()

North Orkney; NW & SE Orkney – weather.

Aith (17-14)	232003052	GFRC
--------------	-----------	------

()

North & West Shetland

Severn

25kts

Stromness (17-16)	232003134	MCQT8
-------------------	-----------	-------

()

West Orkney & N Scapa Flow

Severn

25kts

Longhope (16-05)	235030387	MKHM8
------------------	-----------	-------

()

S Scapa Flow, SW/SE Orkney, Pentland Firth.

Tamar

25kts

ETV

Operating area

Callout arrangements

19. Fair Isle

MRCC Shetland

20. Minches

MRCC Stornoway

(10 marks)

2 SAR units in adjacent MRCC

Stornoway District LB

Location	Callout arrangements	Speed
	21. Lochinver – Arun	18kts
	22. Stornoway – Severn	25kts
	23. Portree – Trent	25kts
	24. Barra – Severn	25kts
	25. Mallaig – Severn	25kts

All called out through Stornoway.
(10 marks)

3 Sector organisation

Shetland

CRT Location CRT or CRT(I)

Name and locate on map/chart

Location CRT or CRT(I)

- 26. Baltasound CRT
- 27. Fetlar CRT
- 28. Out Skerries CRT(I)
- 29. Mid Yell CRT
- 30. Whalsay CRT(I)
- 31. Bressay CRT(I)
- 32. Lerwick CRT
- 33. Noness CRT(I)
- 34. Sumburgh CRT
- 35. Fair Isle CRT
- 36. West Burra Isle CRT(I)
- 37. Walls CRT
- 38. Huxter CRT(I)
- 39. Papa Stour CRT(I)
- 40. Hillswick CRT
- 41. Sullom Voe CRT(I)
- 42. North Roe CRT(I)
- 43. Gloup CRT(I)

(10 marks)

17 Other Organisations

VTS operators in Orkney and Shetland

Who	Coverage	Area of responsibility
Orkney Hbrs	Orkney Island & P/Firth	Orkney
Sullom Voe	Shetland Islands	Shetland

(10 marks)

Geographical Features

Describe the location of the following:

ORKNEY

Burwick

South end of S Ron. Small bay open to south. Summer foot ferry operates from Burwick – Pentland Venture. Beware Lothar Rock and tidal rips. Opens onto Pentland Firth.

Tingwall

Small Pier NW Mainland. Small, year round landing craft type ferry (Orkney Ferries) operates across to Rousay, Gairsay and Wyre. Open to NE.

Churchill Barrier number 1

Connects Mainland to Lamb Holm. Runs almost N&S. Two lane traffic. Open and exposed to weather. Occ closed in bad weather in winter by police. Italian Chapel on east side of #1 on Lamb Holm.

Hoxa Head

NW S. Ron. East side of Hoxa Sound. Narrow point for vessels entering/leaving Scapa Flow. Poor access. Known to be used by anglers. Slippery rock shelf.

Muckle Green Holm

Small Islet in N Isles of Orkney between Egilsay and Eday. Uninhabited.

(10 marks)

18 Dangerous and Potential Incidents

High risk area in Orkney for diving casualties.

Scapa Flow.

The screenshot shows a web browser window displaying a map of the Scapa Flow Harbour Area. The map is titled "in Scapa Flow" and shows various locations including Stromness, Houton, Moaness, Hoy, Lyness, Flotta, Longhope, Scapa, St Mary's, Burray, St Margaret's Hope, South Ronaldsay, and Burwick. A legend indicates different diving zones: blue for Piers/Harbours, green for Diving Permitted, purple for Block Ships, red for Diving Prohibited, yellow for Scenic Dive, and light blue for Drift Dive. Text on the left explains that there are two wrecks in the harbour authority areas, protected as war graves: the "Royal Oak" and "Vanguard". It notes that unauthorized diving on these wrecks is prohibited, as is diving on the wreck "Prudentia" north-west of Flotta. It also mentions that diving support boats are most likely to be seen operating between Stromness and the areas around Cava but may also be encountered in any other part of Orkney waters. A small photograph of a boat is visible in the bottom left corner of the browser window.

Procedure for dealing with a routine DCS incident in Scapa Flow

Take details.

Pass details to Balfour Hospital req they arrange doctor/ambulance to meet boat on arrival. They will also alert SMS pot.

Callout CRT to meet boat on arrival.

Keep in touch with boat.

Check doctor/ambulance arrived etc.

(10 marks)

19 Shipping and other waterborne activities

Main ferry routes in Orkney

NorthLink
Scrabster to Stromness
Aberdeen/Kirkwall/Lerwick

Orkney Ferries
Houton to Hoy
Kirkwall to N. Isles

Pentland Venture
John O'Groats to Burwick Pier

Pentalina
Gill's bay to St Margaret's Hope

(10 marks)

20 Other assets and sources of information

Orkney Harbours

Location of harbour building

Scapa, Orkney. Close NW of Scapa Pier.

Geographical limits of their authority

Kirkwall Harbour limits, Stromness Harbour limits, Scapa Flow.
Smaller ports and Harbours throughout the islands. Pierowall, etc.

(10 marks)

21 Major incident plan

Where and what is it

In the plan bookcase in the EPR & on the Mnet.

The MIP is a generic plan to be in response to a major incident.
It operates in conjunction with other plans.
It outlines how and when a major incident is declared.
Contact details.
Duties and responsibilities.
The response from MCA depending on incident type.
Checklists etc.

(10 marks)

22 Pollution

Local procedures for Scalloway Harbour. Action by MRCC

If spill is related to SAR then comes SAR first.

Once SAR is under control then:

As per the Harbour plan in EPR.

MRCC action is to monitor and report to CPSO etc as reqd.

MCA action to be as support for Hbr Authority.

If spill is serious then, in consultation with CPSO etc., alert other authorities/bodies with an interest.

Sensitive area – early action reqd. Alert CRTs to monitor and report. H&S issues.

(10 marks)

23 Sector visits

Visit all sectors on a rolling 5 year plan

LK patrol alone and with SMs.

Visit LB stations, Hbr Offices, VTS, main ports, main airports (ATC), SAR helo bases.

Visit aerial sites, CRE, incident blackspots, main leisure areas, marinas,

(10 marks)

24 Radio coverage

Aerial selection

Best VHF aerial for speaking to a station in St Magnus Bay and why

Fitful Head. Collafirth is closer but Fitful has better coverage. Higher aerial and clear 'view' to the north.

Best MF aerial for speaking to a station in Scapa Flow and why

Lerwick. Slightly closer, better situated. Better all round aerial site for propagation.

(10 marks)

25 Ability to Operate Ops Room Equipment

Demonstrate to your WM how to operate ICCS remote access.

By demonstration.

VISION

ICCS

AIS

SARIS

WEBGAD

FREEDOM

DSC

Portable radio

Emergency VHF

ECP

DF

(10 marks)

26 ROW

Role

The Receiver of Wreck is responsible for the administration of Merchant Shipping legislation relating to wreck and salvage, specifically with the investigation of claims to ownership of recovered wreck, researching wreck information, the negotiation and settlement of salvage claims and the return of recovered property to the rightful owner or to a relevant museum. In addition to this statutory responsibility, the Receiver of Wreck administers section 2 of the Protection of Wrecks Act 1973 in relation to the protection of dangerous wrecks and is also responsible for the administration of the Royal Prerogative for Fishes Royal.

(10 marks)

27 Charts and publications available

Demonstrate to your WM the proper chart to select for Hos Wick and why.

Demo

Large scale chart - small area. Small scale chart – large area.

Which Ops Room publication would you use to look at the tidal streams around Orkney and Shetland. Where are they kept?

Admiralty Tidal Stream Atlases in top chart drawer.

Use in conjunction with charts.

(10 marks)

28 ETV arrangements

What does CAST stand for

What is it for

The Coastguard Agreement for Salvage and Towage (CAST) is a standing agreement with the operators of tugs and other vessels capable of assisting MCA with towage, salvage or other work related to the saving of life or property or environmental protection. It enables the rapid deployment of suitable vessels, if available, under MCA's control and direction, with the terms and conditions of service pre-agreed.

(10 marks)

29 Controlled air space and flying restrictions

When would we want to impose flying restrictions

In the event of a disaster occurring on land or sea within the boundaries of the United Kingdom Flight Information Regions (FIRs), the Emergency Controlling Authority (ECA) may, either establish a Temporary Danger

Area (TDA) or impose a Temporary Restriction of Flying Regulations (TRFR) made under the Air Navigation Order.

This is done to inhibit flight in the vicinity of the disaster by aircraft not directly engaged in emergency action and thus ensure the safety of life and property, particularly for those working at the scene of the disaster or engaged in SAR. Similar restrictions might also be necessary in the case of an emergency not classed as a disaster, but in the majority of cases, a TDA should suffice and will, because of the time scales involved, be the first action taken.

Where would we go to get restrictions imposed

Authority to Establish a Temporary Danger Area

Director Airspace Policy (DAP) is empowered to establish a TDA; to ensure a rapid response at all times to a request from an ECA, these powers are permanently delegated to the London Air Traffic Control Centre (Military) (LATCC (Mil)), through Headquarters Strike Command (HQ STC). See 7.3.1 below for contact details. Promulgation is by Notice to Airmen (NOTAM).

7.1.4 Authority to Establish a Temporary Restriction of Flying Regulations

With the exception of the airspace within the territorial waters boundary of the Isle of Man (IoM), restriction of Flying Regulations, can be created only by a Statutory Instrument made on the authority of the Secretary of State for Transport, using the powers conferred on him by Article 96 of the Air Navigation Order 2005. See Annex A.

In practice, this authority is delegated to officials of the Department for Transport (DfT) who can react at any time to the recommendations of the CAA. Within the Directorate of Airspace Policy, submissions for temporary Restriction of Flying Regulations must be passed to DfT by a representative of the CAA Legal Adviser.

Within the IoM airspace, Restriction of Flying Regulations can only be created by a Statutory Document made on the authority of the IoM Duty Manager using powers delegated to him. Within the Directorate of Airspace Policy, submissions for temporary Restriction of Flying Regulations must be passed to the IoM Airport Security Post by a representative of the CAA Legal Adviser.

(10 marks)

**MRCC SHETLAND LOCAL KNOWLEDGE TEST
LEVEL C**

**CWAs who do not substitute; WO & CWA on
transfer.**

Minimum level: 2 equivalent throughout.

LOCAL KNOWLEDGE

Test papers should comprise of 17 questions covering the 17 areas identified. Marks out of 10 allocated per question, making a total of max 170 marks per paper. Pass mark is 80% = 136 marks.

For more senior officers being tested, in addition to basic local knowledge, a more detailed knowledge of emergency and contingency plans, call out procedures for emergency towing arrangements etc and action in major pollution and salvage incidents is required.

LOCAL KNOWLEDGE

1 SAR units

Shetland District RNLI Lifeboats

Location	Class	Speed
Lerwick Severn 25kts		
Kirkwall Severn 25kts		
Aith Severn 25kts		
Stromness Severn 25kts		
Longhope Tamar 25kts		

(10 marks)

2 SAR units in adjacent MRCC

Stornoway District

RNLI Lifeboats	Location	Class
	44. Lochinver – Arun	
	45. Stornoway – Severn	
	46. Portree – Trent	
	47. Barra – Severn	
	48. Mallaig - Severn	

(10 marks)

3 Sector organisation

Sector Managers Who

Orkney –

Sector Bases Where

Gressay Loan, Lerwick

Cromwell Road, Kirkwall

(10 marks)

30 Other Organisations

Full names of the Fire, Police and Ambulance Authorities operating in Shetland District.

Police - Northern Constabulary.

Ambulance – Scottish Ambulance Service.

Fire – Highlands and Islands Fire & Rescue Service.

(10 marks)

31 Geographical Features

Demonstrate to your WM the location of

Balta Sound

Saxa Vord

St Magnus Bay

West Burra Firth

Scousburgh

Ingness Bay

Bay of Isbister

Flotta

**Eynhallow
Cava**

Demo.

(10 marks)

32 Dangerous and Potential Incidents

Describe the location of a tidal causeway in Orkney.

Where does it lead from and to

Only one is Brough of Birsay. NW Mainland. Causeway between Mainland and Brough.

(10 marks)

33 Shipping and other waterborne activities

Name and locate the main deep water routes within Shetland District

Fair Isles Channel

Pentland Firth

Name the main local ferry companies within Shetland District. Where are they based?

Orkney Ferries – Kirkwall

SIC Ferries – Sella Ness

(10 marks)

34 Other assets and sources of information

Name and locate main harbours within Shetland District

Orkney Harbours – Scapa, Orkney.

Kirkwall

Stromness

Sullom Voe – Sullom Voe, Shetland.

Lerwick.

Scalloway.

Name of the main towing companies within Shetland District

Orkney Towage

Shetland Towage

(10 marks)

35 Major incident plan

Where and what is it

In the plan bookcase in the EPR & on the Mnet.

The MIP is a generic plan to be in response to a major incident.
It outlines how and when a major incident is declared.

Contact details.

Duties and responsibilities.

Checklists etc.

(10 marks)

36 Pollution

Where are the pollution response plans kept

EPR

What does CPSO stand for. Who is the current duty CPSO?

Counter Pollution and Salvage Officer

Duty CPSO – from Duty Roster

(10 marks)

37 Sector visits

Visit all sectors on a rolling 5 year plan

LK patrol alone and with SMs.

Visit LB stations, Hbr Offices, VTS, main ports, main airports (ATC), SAR helo bases.

Visit aerial sites, CRE, incident blackspots, main leisure areas, marinas,

(10 marks)

38 Radio coverage

For HMCg purposes what is taken as the operating range of our VHF radios from RRS

30 nautical miles

For HMCg purposes what is taken as the operating range of our MF radios

150 nautical miles

Indicate both of these ranges on a chart.

Demo

(10 marks)

39 Ability to Operate Ops Room Equipment

VISION

ICCS

WEBGAD

DSC

ECP

DF

(10 marks)

40 ROW

What does ROW stand for

Receiver of Wreck

What is the role of the ROW

Jist of:

The Receiver of Wreck is responsible for the administration of Merchant Shipping legislation relating to wreck and salvage, specifically with the investigation of claims to ownership of recovered wreck, researching wreck information, the negotiation and settlement of salvage claims and the return of recovered property to the rightful owner or to a relevant museum. In addition to this statutory responsibility, the Receiver of Wreck administers section 2 of the Protection of Wrecks Act 1973 in relation to the protection of dangerous wrecks and is also responsible for the administration of the Royal Prerogative for Fishes Royal.

(10 marks)

41 Charts and publications available

Where are the nautical charts for Orkney and Shetland kept in the Ops Room

Demonstrate correct handling of charts.

Mainly in left side of chart press

Demo. Folding / creasing / leaning on / no coffee cups etc.

Where are OS maps for Orkney and Shetland kept in the Ops Room

Demonstrate correct handling of maps.

Mainly in right side of chart press

Demo. Folding / creasing / leaning on / no coffee cups etc.

(10 marks)

42 ETV arrangements

What does ETV stand for. What is it?

Emergency Towing Vessel.

Sea going salvage tug.

What is our present ETV called and who owns her

Name from Vision

JP Knight

(10 marks)

43 Controlled air space and flying restrictions

Why would we want to control airspace for an incident at sea

Jist of:

To inhibit flight in the vicinity of the incident by aircraft not directly engaged in emergency action and thus ensure the safety of life and property, particularly for those working at the scene of the disaster or engaged in SAR. Similar restrictions might also be necessary in the case of an emergency not classed as a disaster.

(10 marks)

Solent

LOCAL KNOWLEDGE TEST QUESTIONS

All Levels	Black
Level 2 and above	Blue
Level 3 and above	Green
Level 4	Red

SECTION 1. Declared and Additional Facilities

a) **RNLI Lifeboats(4)**

What type of lifeboat at Newhaven?

Severn

Afloat.

What type of lifeboat at Brighton and how launched?

Atlantic 75. Tilt table launched.

What type of lifeboat at Shoreham

Slip launched Tamar and a D Class trolley launch.

What type of Lifeboat at Littlehampton

Atlantic 75 and D Class both trolley launch.

What type of Lifeboat at Selsey

Slip launch Tyne and D Class trolley launch. (D Class can also be deployed by land).

What type of Lifeboat at Hayling

Atlantic 85 and D Class. Both trolley launch.

What type of Lifeboat at Portsmouth

Atlantic 75 and D Class. Both trolley launch.

What type of Lifeboat at Calshot

Tyne afloat and D Class trolley launch.

What type of Lifeboat at Lymington

Atlantic 75 – Trolley launch.

What type of Lifeboat at Yarmouth

Severn – afloat.

What type of lifeboat at Bembridge?

Tamar - Slip launched. D Class trolley launch - in separate boathouse.

What type of lifeboat at Cowes?

Atlantic 85 on an airlift boat storage system. The Atlantic 85 is radar fitted.

Flank lifeboat to west?

Mudford. Atlantic 85.

Flank lifeboat to East?

Eastbourne. Mersey and D class.

What considerations must be taken when launching Littlehampton lifeboat?

The state of the tide i.e. if LW springs the bar at the entrance to the river Arun may obstruct egress from river.

What consideration must be taken when launching Brighton lifeboat?

Egress from marina in strong Southwesterly winds.

What consideration must be taken when tasking Selsey lifeboat?

Restriction in re-housing in strong Southwesterly winds.

b) **Private Rescue Craft(2)**

Name the SSRO unit in Portsmouth Sector

Portsea Rescue.

An inflatable toy is reported off Elmore. What are the closest resources?

GAFIRS and Hillhead CG.

Name the SSRO Units on the Isle of Wight?

Ryde, Sandown, Freshwater.

Which SSRO unit is most appropriate for a jumper at the Itchen Bridge?

Hamble Lifeboat, when on watch.

How is Ryde Rescue Launched?

By specialised tractor due to extensive sands.

Name 2 independent lifeboats NOT available all year-round

Stanswood

Portsea

Solent

Hamble

Which independent lifeboat would you launch to an incident off Ventnor Sandown Rescue.

c) **Military Helicopters(2)**

What is the nearest RAF SAR flight to the east

Wattisham, Suffolk. Rescue 125, 126, 127.

What is the nearest Military SAR Flight to the west?

Chivenor, North Devon. Rescue 169, 170

What is the transit time for Wattisham or Chivenor to Solent Area?

Wattisham – Approx 1 hour to the Central Solent

Chivenor – Approx 1 hour to the Central Solent

Where is the commercial maintenance facility for military helicopters in the district?

Vector,(Ex DARA Fleetlands) Gosport.

d) **Coastguard Helicopters(1)**

What are the Callsigns and readiness states of aircraft at Lee?

CG 104 (Primary) CG 105 (Secondary).

15 minutes during day (0800 until 2200), 45 minutes at night

What is the Callsign and availability of Portland SAR flight?

CG 106. 0900 - 2100.

What are the accepted operational boundaries at night for CG 104?

Start Point to Dungeness.

e) **ETV's(1)**

i. Through whom is the Emergency towing vessel tasked?

Dover CG.

ii. Where is the ETV normally berthed?

Folkstone or Boulogne

iii. What is the ETV best speed and how long does it take to make ready for sea when tasked?

14 Knots, but normally makes 10-11 Knots. 15 minutes notice for sea.

What additional vessels may be available in the district?

Southampton Patrol, via VTS Southampton.

Patrol & Pilot vessels via QHM Portsmouth.

MOD Police launches, via MOD Police Control.

Hampshire Police Launches via Tango 1 or direct dial to duty boat by telephone.

f) **Other Vessels or Aircraft available from time to time(4)**

SECTION 2. Sector & Rescue Team Information

a) **Sector Managers(2)**

Name the 4 Sectors and their Managers

Southampton –

Portsmouth –

South Downs –

Isle of Wight –

b) **Sector Bases(2)**

Where is Portsmouth sector Base?

Hayling CRE / ERC.

Where is Southampton Sector Base?

MRCC Solent..

Where is Wight Sector Base?

Bembridge.

Where is Southdown Sector Base?

Newhaven.

c) **Types and Disposition of Vehicles and Boats(2)**

Where is the CG boat based in the District?

Hythe Marina, Southampton.

Name the CRT which still uses a Landrover as its CRV?

Newhaven.

d) **Designation(IRT / CRT) Size of Team(2)**

What type of team is Birling Gap. What is its Guard?

Cliff & Search. Belle Tout LH to Cuckmere Haven.

What type of team is Newhaven. What is its Guard?

Cliff & Search. Cuckmere Haven to Dukes Mound Brighton.

What type and size of team is Shoreham. What is its Guard?

Enhanced Search. CRT. Dukes Mound Brighton to Sea Lane Ferring.

What type and size of team is Littlehampton. What is its Guard?

Enhanced Search. CRT. Sea Lane Ferring to east side Pagham Harbour entrance.

What type and size team is Selsey CG. What is its Guard?

Basic search with quickevac mud gear. CRT. West side Pagham Harbour entrance to Fishbourne.

What type and size team is Hayling CG. What is its Guard?

Basic search and backup to Portsmouth mud rescue. CRT. Fishbourne to Farlington Marsh.

What type of team is Portsmouth CG. What is its Guard?

Full Mud rescue(District Mud Team), and Search. CRT. Farlington Marsh to Fareham Viaduct.

What type and size team is Hillhead CG. What is its Guard?

Enhanced search and mud rescue. CRT. Fareham Viaduct to east side River Itchen.

What type and size team is Southampton CG. What is its Guard?

Basic search. CRT. West side river Itchen to east side Beaulieu River.

What type and size of team is Lymington CG What is its Guard?

Search and stabilised descent. CRT. East side Beaulieu River to Chewton Bunney.

What type and size of team is Bembridge CG. What is its Guard?

Cliff and Search. CRT. Old Castle Point to Sandown Pier.

Ryde IRT is a part of which CRT?

Bembridge.

What is the type and size of Ventnor CG. What is its Guard?

Cliff and Search. CRT. Sandown Pier to Rocken End.

What is the type and size of Needles CG. What is its Guard?

Cliff and Search. CRT. Rocken End to Old Castle Point.

Which team is furthest east in the district and what type of team?

Birling Gap. Cliff and search.

What is the boundary between Bembridge CG and Ventnor CG?

Sandown Pier.

Helicopter transfer from St Mary's Hospital, Isle of Wight. Where is the HLS and who would man it?

Sea Close recreation ground Newport IOW. Newport IRT / Bembridge IRT as backup if required.

Which team would man Lordshill HLS?

Southampton IRT.

Which team backs up Lymington CG for Stabilised Descent?

Southbourne CRT, via Portland MRCC.

Which Team backs up Portsmouth for Mud Rescue?

Hayling CRT.

Which team would man the Royal Sussex County Hospital HLS?

Shoreham IRT. Hospital is in Brighton. (Depending on local traffic conditions during the busy summer months, it may be quicker to task Newhaven IRT).

e). **Name of Station Officer(2)**

is SO for which CRT?

Birlinging Gap.

is the S.O. of which CRT?

Newhaven.

Who is Shoreham SO?

Who is Littlehampton SO?

Who is Selsey SO?

is SO for which CRT?

Hayling.

Who is Portsmouth SO?

Who is SO for Hillhead CRT?

is SO for which CRT?

Southampton.

Who is the SO for Bembridge CRT?

Who is Ventnor SO?

Who is Needles SO?

What are Portsmouth sector boundaries, who are the Station Officers?

Fareham Creek (the viaducts) to west side Pagham Harbour entrance.

Selsey Roger, Young. Hayling, Katie Marlow. Portsmouth, Roly Warmington.

f). **Capability i.e. Search, Cliff, Mud, etc.(4)**

g). **Where Based i.e. CRE House or otherwise(4)**

Birling Gap CRE is where? What type of building?

Birling Gap. Opposite the now closed Birling Gap Hotel. Purpose built.

What type of buildings are at Newhaven?

Sector Base / CRE is a house, and Remote Radio Site ("The Bunker") adjacent to the old CG Lookout.

Shoreham CRE is what type of building?

Industrial Unit.

What is Littlehampton CRE and where is it?

Combined Lookout and CRE, on the East side of the river Arun mouth.

What type of building is Selsey CRE?

Old CG Station, Lookout and Remote Radio Site.

What type of building is Hayling CRE?

Combined Lookout and CRE.

Portsmouth CG is located where, and what type of building is it?

Quartermaine Road, Highgrove Industrial Park, Portsea Island. It is an industrial unit.

Where is Southampton CRE?

Hardley Fire Station.

Where is Lymington CG based?

Berthons Marina.

Where is Needles CRE?

Totland.

What type of building is Ventnor CRE?

Industrial Unit.

Bembridge is what type of building?

CRE and Lookout and Sector Base.

h). **Alternative Units providing resources for coastal incidents(2)**

If a person is reported stuck in the mud at Mill Rythe who should be informed in accordance with an MOU, in addition to the Coastguard mud team?

Hampshire Fire and Rescue.

Describe capabilities of Police 37 (H900). Where is it based.

Police Helo based at Shoreham Airport.
Fitted with FLIR, but no winch capability.
Can fly up to FIVE miles offshore and is capable of dropping a flotation device to a person in the water.

SECTION 3. Other Organisations that assist in SAR

- a) **National Coastwatch Institutions(1)**

Name Coastwatch Stations in Solent District with their locations, and nearest one to the West of Solent District?

Lee NCI. Esplanade Car Park Lee.
Newhaven NCI. Old CG lookout adjacent to Newhaven Fort.
Gosport NCI. The old Fort Blockhouse (HMS Dolphin) Signal Station.
Shoreham NCI. The old Searchlight Station adjacent to the old CG Station on west side of Shoreham Harbour entrance.
Calshot NCI Old Coastguard Tower at Calshot.

Swanage NCI (Portland CG).

b) Beach Lifeguard Units(2)

Which declared facility provides lifeguards between Littlehampton and Shoreham?

Worthing Beach Office.

Name the SSRO units that can also provide canoe lifeguards?

GAFIRS & Portsea Rescue.

Which organisation operates Puma Safety and is it a declared facility?

Chichester Council. No.

c) Local Authority Patrol Craft(4)

What area would you find 'SP' launch operating?

Southampton Water and Central / Eastern Solent. (VTS controlled).

is which Harbour Master's launch?

Langstone.

What are Chichester Harbourmaster's launches normally known as when afloat?

Chichester Harbour Patrol.

Delilah is the workboat for which Harbourmaster?

Langstone.

d) Military & Civilian Police(2)

Name two Hants Police boats and their base locations

Earl Mountbatten (Southampton) Sir James Scott (Gosport) Lord Ashburton (Cowes)

Name two MOD Police Launches that operate from Portsmouth Harbour?
Loyalty, Endeavour, Sir Geoffrey Rackham, Agility, Humphrey Gale.

e) **Pilot Craft(2)**

Name two commercial pilotage services in the district?
Southampton

Portsmouth

]

f) **RNLI Training Facilities(2)**

SECTION 4. District Geographical Features

a) **Headlands(4)**

What is the southernmost point of the IOW?

St Catherine's Point.

What is the southernmost point of the Gosport Peninsula?

Gilkicker.

Which headland lies between Newhaven and Cuckmere Haven?

Seaford Head.

Which two headlands encompass Luccombe and Sandown Bays?

Dunnose and Culver Cliff.

On which headland is Bembridge CRE situated?

Foreland.

Where is Portland Coastguard's nearest DF site to MRCC Solent located?

Hengistbury Head.

b) **Cliffs(3)**

Name the cliffs between Brighton Marina and Newhaven?

Telscombe.

What is the collective name for the cliffs east of Cuckmere Haven?

Seven Sisters.

What are the low-lying cliffs between Milford on sea and Barton on Sea?

Hordle Cliffs.

What is the cliff between Bembridge and Sandown?

Culver Cliff.

Where is Rocken End?

Just West of St Catherine's Point.

Name the cliffs west of Freshwater

Tennyson Down or Highdown cliffs.

Where would you find a chair lift at the western end of the Isle of Wight?

Alum Bay Chine.

Where are Whitecliff and Red Cliff

The north end of Sandown Bay. West of Culver Cliff.

Holiday maker reported in difficulty at Hanover Point. Which is the appropriate CRT to task?

Needles CG.

c) **Beaches(3)**

Where is Butlins Holiday camp (South Coast World)?

Bognor Regis.

What are the popular beaches to the south east of Chichester harbour entrance?

The Witterings.

Where is the beach known as Hotwalls?

Entrance to Portsmouth harbour, between Round Tower and Victoria Pier.

Where is Meon shore?

West of Titchfield Haven.

Where is Beachlands Funfair?

Hayling Seafront. Beachlands is also used to describe the general area.

Puckpool Holiday Park is adjacent to which sands?

Ryde Sands.

Where is Sussex Beach Holiday Village?

Bracklesham Bay.

d) **Bays(3)**

Bay between Selsey and Chichester Harbour entrance?

Bracklesham Bay.

Where is Wheelers Bay?

Ventor, Isle of Wight.

What is the anchorage between Newtown and Cowes?

Thorness Bay.

Which bay lies to the west of Hurst?

Christchurch Bay.

Which team would you task to an incident in Bracklesham Bay?

Selsey CG.

What two shoals encompass Hayling Bay?

East Winner and West Pole Sands.

Where is Friars Bay?

Peacehaven.

Which bay lies between Colwell and Alum Bays?

Totland Bay.

Fort Albert at Cliff End and Warden Point encompasses which bay?

Colwell Bay.

Who would you task to a person in difficulties at Cuckmere Haven on a hot summers' day?

Newhaven and Birling Gap IRT's – access either side of the river. Bottleneck at Exceat Bridge, especially in summer. Newhaven RNLi AWB (Y boat). Birling Gap safety (add'l).

e)

Harbours(4)

Which harbour separates Selsey and Littlehampton guard?

Pagham Harbour.

Where is Denton Island?

Newhaven.

In which harbour, and where, would you most likely find "City of Chichester" discharging?

Langstone, Usually Kendalls Wharf. (Possibly Bedhampton Quay).

In which harbour would you find Bombketch Lake?

Portsmouth.

What is the alternative name for Burrow Island in Portsmouth Harbour?

Rat Island.

Where is Spider Lake?

Portsmouth Harbour.

Where are Shoreham Pilots located?

Shoreham lock control.

The Canal is part of which harbour?

Shoreham – eastern arm.

Where are Sword Sands?

Langstone Harbour.

Where are Brockhampton Wharf and Budds Farm?

North end Langstone Harbour.

Where is Hamble Harbour Office?

Warsash.

Where is Chichester Harbour Office?

Itchenor.

Name the 3 main channels in Chichester Harbour

Emsworth, Thorney, Chichester. (Chichester divides into Bosham and Itchenor Reach)

Where is Langstone Harbour Office?

Adjacent to the Hayling Island Ferry pontoon.

Name the five islands in Langstone Harbour?

North Binnes, South Binnes, Baker, Long, Round Nap.

Where are Shell Pier, Camber Basin and Powder jetty?

Portsmouth Harbour, Priddy's Hard, Gosport.

Where is Shalfleet Quay?

Newtown Creek.

Southampton VTS, Dock Head is at the confluence of two rivers. Which two?

Rivers Test and Itchen.

Where do Red Jet services berth in Cowes Harbour?

West Cowes, north of Cowes Yacht Haven.

Where do the Red Funnel car ferries berth?

East Cowes, just north of Trinity Wharf.

Where is the Upper harbour Ammunition Facility (UHAF)?

Portsmouth Harbour. Off Hardway. Two dolphins fitted with cranes.

f)

Rivers(4)

Which rivers run through?

Newhaven

Ouse.

Cowes

Medina.

Littlehampton

Arun.

Shoreham

Adur.

On which river is Moody's Boatyard?

Hamble.

Which river divides Newhaven and Birling Gap's Guard?
Cuckmere.

What is the river that enters Bembridge Harbour?
River Yar - (Sometimes referred to as the East Yar).

What river enters Yarmouth Harbour?
River Yar - (Sometimes referred to as the West Yar).

On which river does Bucklers hard lie?
Beaulieu.

Which river does Northam Bridge cross?
Itchen.

Where is the Folly Inn?
River Medina.

Jack in the Basket is near the entrance to which river?
Lymington.

Where does the Meon enter the sea?
Titchfield Haven.

Which river runs into Fareham Creek?
Wallington River.

Which three rivers flow into Southampton Water?
Test, Itchen, Hamble.

Which river enters Chichester harbour south of Fishbourne?
River Lavant. Can cause flooding in Chichester.

g) **Islands(2)**

On which islands are there airfields?
Thorney Island, Chichester Harbour. Bembridge IOW.

Where is Pilsey Island?
South of Thorney Island, Chichester Harbour.

Pewit Island is where?
North end of Portsmouth Harbour, between Spider and Fareham Lakes.

North and South Binness Islands are in which harbour?
Langstone.

Where is Denton Island?

Newhaven.

Which island is the alternative HLS for QA Hospital?

Horsea. (If Hospital Rooftop Landing Site not available)

Where are the old oyster beds in Langstone Harbour?

Northwestern side of Hayling Island.

Where is Fowley Island?

South of Emsworth in Chichester Harbour.

Baker and Long islands are in a nature reserve where?

Langstone Harbour east of Farlington Marshes.

Where is Gull Island?

Entrance to the Beaulieu River.

h) Oil / Gas Installations(1)

Where is the main ESSO Terminal?

Fawley.

Where is the BP Terminal?

Opposite Fawley (BP Hamble).

The gas pipeline to the Isle of Wight arrives at Egypt point. Where does it leave the mainland?

Stansore Point.

What contingency plans are available in the event of a major incident at Fawley, BP Hamble or the RN Oil Fuel Jetty and Depot in Gosport?

SOLFIRE. Appropriate Contingency Plan relevant to the incident location.

i) Marinas(3)

Name two Marinas in Portsmouth Harbour

Haslar.

Royal Clarence.

Port Sol

Where is Sparkes Marina?

Hayling Island.

Southsea marina is tidal. However, water levels are maintained - how?

By means of a cill and lock.

In general, what is the working frequency of most Marina's?
VHF Channel 80. Some also use VHF Channel 37.

Which marina is close east of Langstone Bridge?
Northney Marina.

Where is Island Harbour Marina?
River Medina, just upstream from Folly Reach.

What is the main marina in West Cowes called?
Cowes Yacht Haven.

Where is Lady Bee Marina?
Shoreham. In the Canal (inside the locks).

A yacht transiting east from Newhaven – what is the next shelter?
Sovereign Harbour Marina.

j) Major Navigational Marks(4)

Name two lighthouses on Isle of Wight
Needles and St Catherine's.

Where is the Nab Tower?
Approximately 5nm Southeast of Bembridge, Isle of Wight, beginning of deep water channel into Solent.

The submarine barrier extends from Southsea to where?
Horse Sand Fort.

A vessel is reported in difficulty off Fort Monkton. Where is the Fort?
Between Gilkicker and Portsmouth Harbour entrance.

What prominent landmark lies on cliffs west of Freshwater?
Tennyson Monument.

Which light marks the mid point of the Dover TSS and our eastern boundary?
Greenwich Light Float (LANBY).

Where is the Portobello Buoy?
Approximately 1 nm off Telscombe sewage pumping station. End of the outfall.

Where is Jack in the Basket?
Entrance to Lyminster River.

Where is the Bridge Buoy?

Needles Channel.

Which buoy guides you north around the shingles?

North Head buoy.

What is significant about the Greenwich Light?

It's on the Anglo French Median line and on the Greenwich Meridian.

It marks the western limit of the Dover TSS.

k) Traffic Separation Schemes and Reporting Points(2)

What two Traffic Separation Schemes lie east and west of the district?

Dover Strait and Off Casquets TSS.

What collision regulation governs use of Traffic Separation Schemes?

Rule 10.

A merchant vessel leaving Shoreham or Newhaven reports he intends to use the EITZ on passage to the Thames. Would this be in accordance with Rule 10 of the Collision Regulations?

Yes, if a vessel is leaving or visiting a port within the EITZ, perfectly acceptable.

l) Tides and Significant Local Tide Authorities(2)

With regard to Portsmouth Harbour HW.

When does the ebb (west going tide) start in the Solent?

One hour before HW Portsmouth.

When does the Flood start?

One hour after High Water.

When is Slack water in the Eastern Solent?

High Water minus two hours to High Water minus one hour, and High Water plus three hours to High Water plus five hours..

In general, what direction does the flood tide run in Solent District?

East (North Easterly).

Name two locations off the Isle of Wight where overfalls may be encountered?

Needles Channel (The Bridge), St Catherines Point, (Eddies also occur off Dunnose).

Small craft reported overdue at Eling. It is 1 hour before Low Water springs.

Where is Eling and what could be a possible reason for non arrival at slip?

North End of Southampton Water (River Test), south of Totton. Dries out completely, boat could be waiting for water.

m) Safe Anchorages(2)

Name a common anchorage for commercial vessels sheltering from South Westerly winds, east of the Isle of Wight.

St Helen's Road. Sandown Bay.

Name a common anchorage when sheltering from SE'ly winds north of the Isle of Wight.

Thorness Bay.

Name a common anchorage for merchant vessels sheltering from NE'ly winds?

Freshwater Bay Southwest of the Isle of Wight.

What is the popular anchorage for yachts east of Cowes?

Osborne Bay.

Where is Clamerkin Lake?

Newtown Creek, IOW.

Where are Alpha, Bravo and Charlie anchorages?

Central Solent.

n) Forts(4)

Name six of the main Forts in the Solent / IOW area and their locations?

Fort Albert.	Opposite Hurst Castle at Cliff End.
Fort Blockhouse	West side entrance to Portsmouth harbour (ex HMS Dolphin).
Fort Cumberland.	West side entrance to Langstone Harbour.
Fort Gilkicker.	Gilkicker Point.
Fort Monkton	Foreshore on west side of approaches to Portsmouth Harbour.
Fort Victoria.	Between Fort Albert and Yarmouth at Sconce Point.
Horse Sand Fort.	At the end of the Submarine Barrier from Southsea.
Hurst Fort.	Hurst Point.
No Mans Land Fort.	At the end of the old (removed) Submarine Barrier from the Debigno.
Spit Sand Fort.	Portsmouth Harbour entrance at the Southeast end of Spitbank.
St Helens Fort.	At the entrance to Bembridge Harbour opposite the Duver /
Nodes Point.	

SECTION 5. Incident Hotspots

a) Tidal Cut-offs(3)

The sand bank to the east of Langstone Harbour entrance is called?

East Winner.

Overdue walkers sometimes reported at the base of cliffs between Birling Gap & Cuckmere Haven. What is this area called?

Seven Sisters Country Park.

If someone was cut-off by tide on Burrow (or Rat) Island, where would they be?

Portsmouth Harbour, off Royal Clarence Marina.

Persons occasionally cut off at the foot of which cliffs south of Whitecliff Bay?

Culver Cliff.

When is it inadvisable to enter Langstone or Chichester Harbours?

Ebb Tide and onshore winds. And South to Southeast winds over Force 6 at any state of the tide.

When is it inadvisable for novice visitors to enter Bembridge Harbour?

On a falling tide.

b) Cliff Incidents(3)

In whose guard is Seaford Head?

Newhaven CRT.

Name a popular dog walking area generating cliff incidents west of Freshwater Tennyson Down.

Which team is Birling Gap regularly called upon to back-up following cliff incidents?

Eastbourne CRT at Beachy Head. RV point "The Stables".

Which team would you send to a person in difficulties at Telscombe Cliffs?
Newhaven.

Persons requiring assistance on the cliffs at Hoburne-Naish Holiday Village can get stuck in mud and clay. What is the name of the clay?

Blue Slipper. A very "sticky" type of clay.

Where is Redcliff and Whitecliff?

North end of Sandown bay. Immediately west of Culver.

Where is Sun Corner?

Highdown Cliffs, southeast of the Needles. Southern end of Scratchell's Bay.

Where is the chairlift on the cliffs a mile east of the Needles?

Alum Bay Chine.

Barton, Hordle and Rook cliffs are within who's Guard?

Lymington CRT.

Whale, Shepherds and Grange Chines are within whose Guard?

Needles CRT.

The cliffs between Yarmouth and Newtown Creek are named?

Bouldnor Cliffs.

What added dangers are there when anyone attempts to climb the cliffs at Barton on Sea in the vicinity of the Hoburne / Naish Holiday Village?

Due to continual cliff erosion, a number of irregular gullies of various sizes have formed, some of which have become water filled, and others, closer to the foreshore have retained a high degree of "sticky" mud. These hazards cannot be seen from the foreshore looking up the cliff and anyone attempting to climb the cliff will inevitably become stuck.

c)

Suicide Black Spots(3)

Name the suicide black spot in Bembridge CRT guard

Culver cliff.

What is the Eastern-most pier at Brighton?

Brighton (ex-Palace) Pier.

Northam Bridge is on which river? Which CG's would you task to report of a jumper from the Northam or Itchen Bridges?

River Itchen. Hillhead and Southampton CG.

Why both CG teams?

This gives better visual search of both banks as it is easier to see many locations from the opposite banks of the river.

What infamous headland for suicidal persons is attended by Birling Gap CG and/or Eastbourne CG

Beachy Head.

West of the Belle Tout Lighthouse is Birling Gap.

East of the Belle Tout Lighthouse is Eastbourne CG

There are occasions when both teams are required due to manpower shortages.

d) Swimming, Surfboarding, Windsurfing, Jet & Water skiing,

Diving Hot Spots (4)

Hotwalls is a popular sunbathing beach where? What dangers are present?

Entrance to Portsmouth Harbour between Round Tower and Victoria Pier.

Wash from passing vessels.

An offshore wind is particularly dangerous for inflatable toys where in Selsey Guard?

West Wittering Estate.

Jet/Water skiing –is the launching point at Daedalus slip manned at all times?

No. Weekends, bank holidays and school holidays, summer only by Volunteers.

Where is Woodside and which organisation holds activities there?

Close west of Wooton Creek, IOW. Little Canada, Supachoice.

Where is the Royal Naval Diving Centre in Portsmouth Harbour?

Horsea Island.

Where could you find information about a wreck in VISION?

Vision main screen. Select "MAP" / "OVERLAYS" / "WRECK SITES".

Also, using the F6 Location Search facility, enter "WRECK" in either the "NAME" or "BUSINESS" fields, and press "SEARCH". Double click on the name of the required wreck from the list and press "GO TO". To see the wreck indicator you must select "MAP", "OVERLAY", "OPEN", "WRECK SITES".

What do novice divers dive on at the entrance to Pagham Harbour?

The Mulberry Sections.

e) **Grounding(3)**

Where in the central Solent do most groundings take place?

Bramble Bank.

Vessels attempting entrance to Chichester Harbour often ground where?

The Winner. (West or East Pole sands occasionally).

What precautions should be taken when someone reports their position as "The Winner"?

Clarify they do not mean the East or West Winners at the entrance to Langstone Harbour.

Groundings occasionally occur to the East of Cowes entrance on which feature?

Generally the Shrape Mud, but occasionally at Old Castle point.

A yacht reports being aground in the Trap. Where is it and which CG unit is nearest?

Hurst Spit. Lyminster CG.

Craft cutting the corner near Ryde ground themselves on Ryde Sands. What is the alternative name?

Debnigo.

Which side of the Brambles Bank causes most damage to yachts?

The Southwest side.

f) **Pollution(2)**

Where is the greatest potential pollutant area in the District?

Esso Fawley Terminal and BP Hamble, Southampton Water

Who is CPSO for the East of England Region?

(Based at MRCC Thames).

SECTION 6. Shipping and Waterborne Activities

a) **Commercial Shipping Deep Water Routes & Ports(1)**

Who is the Port Authority for Southampton?

ABP (Associated British Ports).

Who is the Port Authority for Portsmouth?

QHM (Queens Harbour Master).

It is a very clear night, a member of the public reports a vessel on fire off Worthing. What could be a likely source for their concern?

Dredgers working the banks – powerful arc lights shimmering.

Where would a reefer be bound for in Portsmouth Harbour?

Fountain Lake. (Albert Johnson Quay, Flat House Quay).

Where would the City of Chichester likely to be headed in Langstone Harbour?

Kendalls Wharf. Possibly Bedhampton Quay.

Describe how the Precautionary Area works?

A moving exclusion zone around vessels over 150metres in length.

It extends 100metres either side, 1000metres ahead and 150metres astern of the vessel.

Where is the designated deep draught vessel anchorage?

Approximately 5.5nm southwest of the Nab Tower.

Where does the dredger Donald Redford normally discharge?

Fareham Wharf.

Where do Pilot vessels operated from, and name three pilot boarding points?

Pilot vessels operate from Southampton, Gosport and Cowes.

Pilot Boarding Stations.

For Southampton Deep Draught VLCC's. Eastern Solent, South of the Nab Tower.

For Portsmouth Harbour. Eastern Solent, just to the west of the Nab Tower.

For Portsmouth, Southampton and Cowes. Central Solent, North Sturbridge.

For Southampton and Cowes. Western Solent, Lepe Middle.

b) Small Local Ferry Services(3)

Name the Ferry Companies that run between the IOW and the Mainland?

Red Funnel. Wightlink. Hovertravel.

Between which locations does the Hythe Ferry run?

Hythe and Southampton Town Quay.

What type of ferry links East and West Cowes?

Chain Ferry.

Where does the Hovercraft ferry service run between?

Southsea and Ryde.

What type of ferry is the Hamble Ferry?

Pedestrian.

Where does the Keyhaven Ferry run to?

Hurst Castle and Yarmouth. (Also round tours of the Needles).

c)

Major Ferry Services(3)

Name two cross channel ferry ports in the District and one in Portland District

Portsmouth, Newhaven. Poole or Weymouth.

Name two destinations served by Portsmouth based passenger ferries

Le Havre, Cherbourg, Bilbao, Jersey, Guernsey, Caen / Ouistreham, St Malo.

Where would a passenger ferry be bound to from Newhaven?

Dieppe.

A ferry reports she is "between the forts" – which forts?

Horse Sands and No Mans Land.

Name the ferry that operates on the Newhaven to Dieppe cross channel run?

Seven Sisters.

Name two Ferries that run from Portsmouth Continental Port?

Commodore Goodwill,

Commodore Clipper,

Normandie Express,

Norman Spirit.

Bretagn

d).

High Speed Passenger Ferry Services(2)

Where do the Fastcat services run between?

Portsmouth and Ryde.

Where do Red Jet services run between?

Southampton and Cowes.

Where does the Brittany Ferries "Fastcat" run between?

Portsmouth - Cherbourg.

P & O's Ferries run between where?

Portsmouth - Bilbao.

e). **Cruise Ship Traffic(1)**

f) **Offshore Support Vessels(1)**

g) **Fishing Vessels(2)**

Where would you find the Portsmouth fishing fleet berthed?

The Camber, Old Portsmouth.

Who should be informed in the event of incidents involving Fishing Vessels?

MAFF. MAIB. DOPS. Relevant Sector Manager.

h). **Angling Parties(2)**

What angling connected activity can cause problems on mudflats?

Bait digging.

i). **Dive Tenders and Diving Parties(2)**

In general what should be administered to 'bends' victims while waiting for evacuation?

Oxygen.

What is the quickest way to access dive information in the G&I Files in Vision?

Use F1 and Mnemonic "DIVE". Follow required hyperlink.

j). **Sail Cruising and Racing(2)**

A dismasted racing yacht in the vicinity of Prince Consort, who would you task?

Cowes lifeboat. Also Cowes HM launch could be used.

Describe dangerous conditions for yachts entering Chichester Harbour?
Ebb Spring Tide with strong Southerly wind.

k).

Yachts(2)

What action in the event of engine/rigging failure tends to stabilise the situation on a lee shore?

Anchoring (if possible). Be aware of prohibited anchoring areas.

In general which type of keel is able to take ground more easily, fin, long or bilge?

Bilge or twin keel.

l).

Air Beds and Other Inflatable Toys(2)

What advice would you give to parents of children with inflatable toys?

Tether the toy to the beach and keep under observation. Make sure they are not out of their depth.

The location of the specific foreshore area is a significant factor.

e.g.

In general terms:-

In West / South-westerly wind conditions, Sandown on the Isle of Wight will have an OFFSHORE wind whilst at the Witterings there will be an ONSHORE wind.

In East / South-easterly wind conditions, Sandown on the Isle of Wight will have an ONSHORE wind whilst at the Witterings there will be an OFFSHORE wind.

In Northerly wind conditions the majority of coastal areas, especially off the Sussex coast, will have an OFFSHORE wind.

Which additional facility would most likely be rounding up airbeds at The Witterings?

Puma Safety.

Section 7. Navigational Danger Areas

a)

Rocks(2)

Name the rock hazard in the vicinity of the Needles?

Goose Rock lies just to Northwest of Needles lighthouse.

Where in the Western Solent is Black Rock?

Close WNW of Yarmouth.

Where is the location of the Looe Channel? What buoys mark this Channel?

Off Selsey. Street and Boulder buoys.

b)

Shoals(2)

Name the shoal south of Selsey that is approximately 1.5 miles offshore?

The Mixon.

What is the dangerous shoal forming west side of Needles Channel?

Shingle Bank.

What is the bank to west of the main channel at the entrance to Portsmouth Harbour?

Hamilton Bank.

Where are Sword Sands?

Langstone Harbour.

c)

Strong Tidal Streams and Rips(3)

What is the fastest flowing river in the District?

Arun. Exits at Littlehampton where there is also a bar.

Where is the Bridge Reef?

Southwest end of Needles Channel. Choppy in wind over tide conditions.

If you considered the Needles Channel unsuitable due to adverse conditions, what other routes could you recommend?

Either north about the Shingles via the North Head buoy or South about the island and enter Solent via Nab. However, beware overfalls South of St Catherine's Point.

d)

Wrecks(3)

Where is the Varvassi wreck?

Needles.

Where in Selsey Guard would you find remains of Mulberry Harbour sections?
Vicinity of Pagham Harbour entrance. Generally known as the "Inner Mulberry" and the "Outer Mulberry".

Where is there another Mulberry Harbour section?
Just inside Langstone Harbour entrance.

e) **Obstruction on the sea bed(2)**

A common source of reports from members of the public is a light which marks the end of what underwater obstruction off Saltdean?
Portobello Buoy marks the end of sewer outfall.

What type of obstructions run from Southsea to Horse Sand Fort?
Remains of the Submarine Barrier.

Where in the Solent /Southampton / IOW areas are the main anchoring prohibited areas?

- a. Sowley Boom to Hamstead Ledge.
- b. Area bounded by Stansore to Egypt Points and Inchmery House to Thorness Bay.
- c. Oil pipeline between Northwest side of BP Hamble and Northwest side of Esso Fawley.
- d. Mary Rose wreck.
- e. Portsmouth to IOW either side of the Submarine Barrier. Eastney to Nettlestone and Haslar to Puckpool.
- f. Area of the Hovertravel slip at Ryde.

f) **Bombing / Firing Ranges(2)**

What is rifle range in Portsmouth Harbour?
Tipner.

A flare is reported north east of a yacht moored at Shalfleet. Possible source?
Newtown Ranges.

A yacht planning a passage to Weymouth from Solent should take which ranges into consideration?
Lulworth.

g) **Ordnance Dumping Grounds(2)**

Where is the explosives dumping ground near the Isle of Wight?
Off Ventnor. St Catherine's Deep.

Where are bombs and mines disposed of within the Solent?

Mining area off Ryde Sands.

h)

Submarine Exercise Area(1)

i)

Pipelines and Submarine Telephone Cable(2)

Where in the Western Solent would you advise a vessel not to anchor due to underwater pipelines, cables or other obstructions?

(A) The area bounded by a line from Stansore Point and Egypt Point, and a line from Inchmerry House and Thorness Bay.

(B)

Between Sowley Boom and Hamstead Ledge.

SECTION 8. Local Services and Facilities

a)

Other Emergency Services including Boundaries(3)

Name the Police Authorities in the District and their areas of responsibility?

Hants Police. - Chewton Bunny to Emsworth and Chichester Harbour.
Sussex Police West. - Emsworth to Shoreham Canal.
Sussex Police East. - Shoreham Canal to Beachy Head.

Name the Fire Authorities in the District and their areas of responsibility?

IOW, Hampshire, Sussex.

Which Authority deals with St Richard's and Brighton hospitals?

South East Coast Ambulance Service.

Which Authority deals with Queen Alexandra?

South Central Ambulance Service.

b). **Harbour / Port / Pilot Authorities(4)**

Where is QHM located?

Semaphore Tower, Portsmouth Dockyard.

Where is Chichester Harbour Master's office?

Itchenor.

Where would you find contact information for pilots in VISION?

Contact is via VTS Southampton, QHM Portsmouth, Shoreham Port Control or Newhaven Port Control.

What is VTS Southampton's working frequency?

Channel 12.

Where is Hamble Harbour Master based?

Warsash.

What do you understand by the Portsmouth Harbour Fog Routine?

Ordered by QHM Portsmouth when visibility is so low that normal shipping movements would be dangerous. Promulgated by a broadcast on VHF Ch 11 / 13 and by signal / telephone to Naval and Commercial authorities. Movements of all Naval, Commercial and Pleasure vessels will be strictly controlled by QHM.

What is the extent of the Queens Harbour Masters / Portsmouth Harbour limits?

To the East - A line from Eastney Point to the centre of Haling Bay (approx 50-45.2N 000-58.5W), then down to a point just to the east of the Nab Anchorages (approx 50-38.2N 001-07.0W), then across Sandown Bay to a point on the IOW near to Little Stairs Point (approx 50-38.3N 001-10.0W).

To the West - From Hillhead Harbour to Old Castle Point on the IOW.

What is the extent of the Port of Southampton Port limits in the Solent?

To the East - From Hillhead Harbour to Old Castle Point on the IOW.

To the West - From Stansore Point to Egypt Point on the IOW.

To the South - Limits of Cowes harbour.

What is the extent of Cowes Harbour?

From Egypt Point to the Prince Consort Buoy, then to a position approx 2 cables north of Old Castle Point where it intersects the Eastern Limit of the Port of Southampton.

c). **Sailing Clubs(4)**

What sources of sailing club information are there in the Operations room?

Reeds Almanac, chart press publications, Solent book, VISION.

d). **Diving Clubs(2)**

Where would you find information on diving in VISION?

F1, Mnemonic **DIVE**. Follow on screen hyperlink.

What HSAW Executive Authority diving units are approved to assist in SAR operations regarding persons trapped in upturned or sunken vessels, or the recovery of divers lost on wrecks?

The Royal Naval Diving Branch who may be requested via FOST (Ops).
Gosport and Fareham Inshore Rescue.

e). **Nearest Hyperbaric Chamber(2)**

Which HLS and Hyperbaric chamber do we routinely use?

St Richards Hospital Chichester – Alternative could be Whipps Cross Hospital - London.

Who advises MRCC Solent on which HLS and Hyperbaric chamber to use?

The Duty Dive Medical Officer.

Where are details held in VISION?

F1, Mnemonic **DIVE**. Follow on screen hyperlink.

What the nearest Hyperbaric Chamber facility to the West of Solent District?

Poole General Hospital.

f). **Interpreters(1)**

What organisation can you call on if an interpreter is required?

Language Line Services – formerly NITS (National Interpreting Services). VISION Mnemonic NIS.

g). Location of Emergency Telephone Boxes in Foreshore Locations(2)

Emergency Phone	Southampton - Lepe Country Park West of SR1 Base
Emergency Phone	Southampton - Calshot Public Beach Adjacent to STR1 Base
Emergency Phone	Southampton - Calshot Activity Centre at base of CG Tower
Emergency Phone	Southampton - Titchfield Haven Meon Shore Road
Emergency Phone	Hillhead - Saltern Park, Hill Head (By Dinghy Sailing Club)
Emergency Phone	Hillhead - Stokes Bay - outside GAFIRS Boathouse
Emergency Phone	IOW - Princess Esplanade, between Egypt Point & Gurnard Green
Emergency Phone	IOW - East Cowes - Bottom Of Cambridge Road
Emergency Phone	IOW - Ryde - on wall at Ryde Inshore Rescue Base
Emergency Phone	IOW - Seaview - Esplanade at bottom of High Street
Emergency Phone	IOW - Seagrove Bay - Toilet Block at top of Slipway
Emergency Phone	IOW - Bembridge - Lifeboat Station at Lane End
Emergency Phone	IOW - Bembridge - Whitecliff Bay adjacent to the Café
Emergency Phone	IOW - On the fence at entrance to Yaverland Sailing Club
Emergency Phone	IOW - Dunroamin Boat Park - Sandown / Shanklin revetment
Emergency Phone	IOW - Halfway between Bonchurch & Ventnor Sea Wall
Emergency Phone	IOW - Ventnor Pier Apron - Lions Rock - new Bandstand
Emergency Phone	IOW - Chale - Whale Chine car park Military Road
Emergency Phone	IOW - Atherfield - Shepherds Chine
Emergency Phone	IOW - Brook Chine - on Car Park off Military Road
Emergency Phone	IOW - Brighstone - Grange Chine, by Holiday Park caravans
Emergency Phone	IOW - Hannover Point - on Toilet Block in Car Park
Emergency Phone	IOW - Freshwater - on wall of Freshwater Boathouse
Emergency Phone	IOW - Alum Bay Chine - on steps leading to the Chine
Emergency Phone	IOW - Totland - Toilet Block on the Esplanade
Emergency Phone	IOW - Top of Slipway to Brambles Chine - <u>Private Access Only</u>
Emergency Phone	IOW - Fort Victoria - on far end of Fortress Wall

h) MOD Firing Ranges and Safety Vessels(1)

Vessels entering and leaving which marina are likely to be affected by Tipner Range?

Port Solent.

i) Tugs and Towing Companies(2)

Where are the tugs PHENIX and APEX based?

Esso Fawley, Southampton Water.

Name two tug brokers who are normally notified of possible towing emergencies?

Samuel Stewarts,

Marint,

Lloyds.

j) Local Arrangements for Emergency Services to assist an Offshore Emergency(2)

Which Fire and Rescue Services provide offshore fire fighting (MIRG) assistance?

Hampshire and East Sussex.

Where are the landing sites for picking up MIRG Fire & Rescue teams?

Daedalus Airfield and Tidemills.

What is a major safety consideration for helo operations at Tidemills?

FOD. A great deal of litter is always present.

k) Agents, owners, Shipping & Offshore Companies in the District(1)

Where is information held on shipping companies and agents in VISION?

F1, Mnemonic FERRY. Follow on screen hyperlink.

SECTION 9. District Contingency Plans

a) Major Emergency Plans(1)

SOLFIRE.

What do you understand by the Solfire grade ‘ALPHA’?

An incident that can be resolved by the initiating authorities’ own resources with little or no impact on land based authorities.

What do you understand by the cascade notification system?

Solent MRCC is required to notify by phone and confirm by fax, the Police, Fire and Ambulance authorities on initiation of Solfire.

b) Harbour Emergency Plans(1)

Where are harbour emergency plans held?

Operations Room – Book case Two.

c) MRCC Evacuation Plan(1)

Where are instructions for evacuation?

Southern Area Business Contingency Plan.

Where is the District ERC?

Hayling CRE.

Name 4 items to be taken to ERC

Duties Folder – normally on Watch Managers Desk. (Yellow Spine)

Admiralty Charts – Small Craft Leisure Folio – Chart Press Drawer 3.

Tidal & Weather Info for the day – State Board on wall.

Printout of all current MSI broadcasts – from Vision.

Major Incident and Business Continuity Plan – Folder M210

Book Case 1, Shelf “C” middle.(Yellow Spine)

Emergency Contact Numbers folder – Folder RES 095

Book Case 1, Shelf “C” middle. (Yellow Spine)

Ops Room Mobile Phone & Charger.

d) MRCC Actual Support Plan(1)

e) Ferry Emergency Plans(1)

What are ferry emergency plans collectively known as and where are they located?

SARCO plans. Operations Room, Book Case 2.

SECTION 10. Communications

a) **Major Communication Sites(2)**

With whom do we share the Aerial site at Boniface Down?

Civil Aviation Authority.

With whom do we share the Aerial site at the Needles?

The National Trust.

b) **D/F Sites(1)**

c) **DSC and AIS Sites(3)**

Name the VHF DSC and AIS sites in the District

- i. DSC - Newhaven, Selsey,]
- ii. AIS - Newhaven, Selsey,]

d). **District Blind Spots(2)**

What are the primary and secondary functions of the Brighton Aerial?

- i. To provide Channel 0 communications to units deployed in the general Brighton Area.
- ii. To enhance Channel 16 coverage in the same area.

Poor communications with in the Bembridge Pagham, Bognor and Littlehampton areas can be resolved how?

Selecting Selsey X and changing to the appropriate working channel, CH 0 / 67.

e). **Maximum Range and Coverage(1)**

**A yacht on passage to Cherbourg asks if he should call Solent CG on arrival.
What would you advise?**

You are unable to guarantee communications at this range although it is possible with high pressure conditions. They should advise CROSS Jobourg if they wish.

f).

Technical Equipment Operation(1)

What single test effectively guarantees that radio equipment is working?

Checking for side tone checks transmission and reception.

Stornoway

Local Knowledge Test

1) ***Area SAR Units Within the Stornoway District.***

List the following:

- Three types of Lifeboats within the District and the name of the LOM associated with each.

Stornoway Severn –

Portree Arun -

Mallaig Severn –

- What Military helicopters are available to MRCC Stornoway and where are they based?

R137 Lossiemouth

R 177 Gannet

- What is the response times for CG Helicopters through the daytime and night time?

15 mins day and 45 mins night

- What is the Bollard Pull on the Anglian Prince?

170t continous /180t maximum

2) *SAR Units Available from Adjacent MRCCs*

- What Lifeboats are the closest to the North and South of the district and whom would you contact to Launch them?

Thurso – Aberdeen ----- Tobermorry Clyde

3) *Sector Organisation*

(A) List the Sectors within the Stornoway Administration District.

1. Western Isles
2. Skye and Southern Isles
3. Ullapool
4. Dornoch
5. Wick
6. Orkney
7. Shetland

(B) How many CRT's are there in the following Sectors:

1. Western Isles. **9**
2. Skye. **9**
3. Ullapool. **7**

4) *Other Organisations Within the District.*

What is the name of the Western Isles Harbour Master and where is he based?

If we had an incident in Broad Bay or to the West of Benbecula, Which two rescue craft we could call on to assist?

Stornoway and Benbecula Airport Rescue Craft

Name two MRT's in the District.

Skye, Dundonnell

Which department at Inverness Ambulance Control would you phone to check up on the progress of an ambulance to an incident?

Ambulance Dispatch

What is the name of the Fisherman's mission representative in Stornoway?

What two departments which we can gain information from are based at RAF Kinloss?

ARCC and MCC

(5) *Dangers and Potential Incidents.*

Name two navigable passages through the sound of Harris and what is the permissible maximum draught associate with each?

Leverburgh 4.3m 3.3 wcp

Cope 5.0m 2.6 wcp

Stanton 4.9m 6.6 wcp

What dangers are associated with the following places:

Narrows at Kyle Rhea	- Tidal
Stenish	- Sinking Sands
Dalmore Beach	- Strong undercurrents

If a member of the public informs you of a sheep stuck on a cliff in Point, who would you inform of this?

(6) Shipping and Other Waterborne Activities.

There are six main ferry routes in the district operated by Caledonian Macbrayne, name them and the associated vessel serving them.

Sty – Ull Isle of Lewis
Tarbert - Uig - Hebrides
Sound of Harris – Loch Portain
Oban – Castlebay – Clansman
Mallaig – Armadale Coruisk
Mallaig – Small Isles – Loch Nevis

Each time a registered passenger vessel has an exercise, where does this get recorded?

In their SAR Plan

If we had an incident with a visiting cruise liner, where would we get access to their SAR Plans?

MRCC Falmouth

Which side of the Neist point TSS should vessels transit:

Northbound - East
Southbound - West

(7) Other Assets and Sources of Information.

Name the three areas within our district used by the MOD for testing Weapons and firing trials.

- 1 Cape Warth
- 2 Hebrides Range
- 3 Inner Sound Rona

Where in the MRCC would you get the following information:

Port and Airport Emergency Plans
EPR

Sites sensitive to pollution (Birds/Marine)

Folio 14 Chart Drawer

Harbour Contingency plans for Pollution
EPR

Who is responsible for the following navigation aids?

Butt of Lewis Lighthouse - **NLB**

Arnish Lighthouse – **Stornoway Harbour**

If a divers asked for medical assistance, who would you contact for them and where is the nearest decompression chamber?

ARI - Dunstaffanage

(8) Major incident Plan.

Who is responsible for the North SCOTNI Major Incident Plan and where is it to be found?

AOM – Bookcase

What is the bookcase reference number for our Major Incident Plan?

A18b

In the Major Incident Plan what is meant by the following terms:

Regional Civil Contingencies Committee

RCCC – Body which meets during an emergency when a regional response is required.

Marine Response Centre

MRC - A co-ordination centre established by the MCA in major marine pollution cases requiring a national response

Category 1 Responder

Cat 1 Responder – A local organisation listed in schedule 1 parts 1 or 2 of the civil contingencies act likely to have a central role in the response to emergencies

Silver

Silver – The tactical Level. A term used by some shore side responders: a level of tactical management which provides overall management of the response to an emergency, determining priorities in allocating resources, obtaining further resources as required, and planning and co-ordinating tasks to be undertaken

SAR Facility

SAR Facility – any mobile resource, including designated SAR Units, used to conduct SAR operations

Where in the Major Incident Plan would you find the Helicopter Landing Site for Western Isles Hospital and what is its Grid Reference?

Sect B – Annex B5 WIH SH8 426342

(9) Name 12 Aerial sites and the geographical location of these.

Name	Area.
1 PNG	Point
2 But	Ness
3 Skr	Portree
4 Rod	South Harris
5 Bary	West of Barra
6 Dru	South Skye
7 Sco	West Skye
8 For	Uig Lewis
9 Cle	North Uist
10 Gle	Mull
11 MF	Ness
12 Ari	Arisaig

(10) Which CRT's would you task to an incident in the following locations?

- 1) Loch Bay - DVCRT
- 2) Horgabost - TTCRT
- 3) Baleshare - GMHIRT
- 4) Ludag - LBDCRT
- 5) Drumbuie - KLECRT
- 6) Glenuig Bay SALEN
- 7) Rhuha Hunish - DUNIRT
- 8) Loch Inshard - KBCRT
- 9) Red Point - GCCRT
- 10) The Braighe - SYCRT

(11) ***In the District there are 4 Pabbays, 2 Scalpays and 2 Ronas and two Traigh Mor. Where are they to located***

Pabbay - Inner Sound, Barra Hd, Sound of Harris and Loch Roag

Scalpay – Harris and Inner Sound

Rona - North and North of Raasay

Traigh Mor – Tolsta and Barra

(12) ***Which Lifeboat would you task to the following Sea Lochs?***

- 1) Loag Roag - STY
- 2) Loch Nevis - MAL
- 3) Loch Duich - KYL
- 4) Loch Boisdale - BAR
- 5) Loch Snizort - PF
- 6) Loch Seaforth - STY
- 7) Loch Laxford - LC
- 8) Loch Torridon - PF
- 9) Loch Scavaig - MA
- 10) Loch Claidh - SY

(13) What are the working frequencies for the following Harbours?

- 1) Stornoway - 12
- 2) Ullapool - 14
- 3) Lochinver - 12 / 9
- 4) Kinlochbervie - 14
- 5) Kyle - 11
- 6) Mallaig - 09
- 7) Portree - 12
- 8) Lochmaddy - 12

(14)

What ports do the following Fishing Number Abbreviations come from?

SY	-	Stornoway	CY	-	Castlebay
FR	-	Fraserburgh	BRD	-	Broadford
BF	-	Banff	UL	-	Ullapool
INS	-	Inverness	OB	-	Oban
PD	-	Peterhead	TT	-	Tarbert

(15)

Which Publication would you find out details on Fishing Vessels?

Fishing Vessels of Britain and Ireland.

Where is the tidal Stream atlas to be found?

Chart Table

What information is held on the "Kingfisher" Charts?

Cable awareness

In what publication are the Outage plans for MRCC Stornoway?

Business Continuity Plan

Who is the current Receiver of Wreck and where are they based?

If a 7 Meter Whale washed up on the West Side of Lewis, who is responsible for it's disposal.

Western Isles Council

(16)

List below the OS map number where each place can be found and the name of the map, which can be found in the right hand corner:-

1. Shiant Islands

- a. Map number: **14**
- b. Name on map: **Tarbert and Loch Seaforth**

2. Isle of Raasay

- a. Map number: **24**
- b. Name on map: **Raasay and Applecross**

3. Canna

- a. Map number: **39**
- b. Name on map: **Rum, Eigg, Muck, Canna**

4. Loch Sligachan

- a. Map number: **32 OR 24 RAASAY AND APPLECROSS**
- b. Name on map: **South Skye & Cullen hills**

5. Handa Island

- a. Map number: 9
- b. Name on map: Cape Wrath (Durness & Scourie)

(17)

Name what can be found at the following grid references:-

- 1. SH9 255522 = Rhiconich Hotel
- 2. SH19 798774 = Camp site
- 3. SH40 674965 = Mallaig School
- 4. SH32 517123 = Prince Charles cave, Elgol
- 5. SH14 248947 = Eilean Glas L/H, Scalpay

Local Knowledge Test

Name:

Date:

1) *Area SAR Units Within the Stornoway District.*

List the following:

- What is the maximum speed and range of the following lifeboats?

Severn	- 25 knots and 250NM
Atlantic 75	- 32 knots and 3 hours
Trent	- 25 knots and 250 NM

- What is the declared range for the CG Helicopter with the long range tanks fitted and how long can they remain on scene?

250nm with 30 mins on scene.

- What type of helicopter is based at Stornoway?

Sirkorsky S-92

- **Who has operational control of the Coastguard ETV in the Stornoway district?**

RCCM

2) SAR Units Available from Adjacent MRCCs

- **What are the operational call signs of the Shetland Coastguard Helicopters?**

R102 and R103

Who would you contact if you needed assistance from Tobermory or Thurso Lifeboats?

Tobermory – Clyde CG Thurso – Aberdeen CG

If the helicopter was going to transfer a casualty to the Belford Hospital,

A) What is the name of the car park used as a HLS?

West End Car Park

B) What CRT would man the Landing site?

Fort William

C) Who would you contact to call the team out.

Clyde MRCC

What is the name of the Fort William Sector Manager and Oban Sector Managers?

What is the name of the MCA Boat based in Oban?

MCA Hawk

3) Sector Organisation

What are the names of the following Sector Managers.

- 8. Western Isles -
- 9. Skye -
- 10. Ullapool -
- 11. Shetland -

Name two CRT's from each Sector Below:

- 1. Western Isles -
- 2. Skye -
- 3. Ullapool -

4) Other Organisations Within the District.

If we had an incident involving an animal rescue, which organisation would we inform and what is the name of the Stornoway Inspector?

If we had a incident with MV Isle of Lewis, state the name of the Company and the two offices where you would get passenger numbers.

Caledonian Macbrayne Stornoway and Ullapool

Who in the crew of Stornoway lifeboat is a contact for Stornoway Canoe club?

Where is and who would you contact to find out about any vessels in Village Bay?

St Kilda - Warden

On what Island in the Small Isles is the Doctor Based?

Isle of Eigg

What is the name of the organisation you would call if you were trying to Contact CNES out of hours?

Faire.

(5) *Dangers and Potential Incidents.*

A yacht departs Stornoway and he gives you a TR bound for St Kilda going south about . He later calls Mayday and states he is aground on the Cabbage Patch. Where is he.

On rocks in the SW of the Sound of Harris

What is the name of the wreck which is popular for Diving in Loch Na Beaste?

Port Napier

What is the clearance at MHWS of the Scalpay and Skye Bridge?

Scalpay 20M and Skye bridge 30M –

What is the name of the Pub in the Knoydart Peninsula which is a useful aid for incidents in Loch Nevis?

The Old Forge Inn.

With a reported oil spill in Lochinver harbour who is responsible for determining the tier level.

The Harbour Master.

A yacht calls you and states he is going to Eriskay. They ask you if fuel is available there , to whom would you contact to check for fuel availability?

Contact the Western Isles Harbour master.

In a diving incident in our District Where would you get Medical advice and where is the nearest Decompression Chamber?

ARI, Dunstaffanage

What dangers are associated with the Kyle Rhea Narrows?

Strong Tides

(6) *Shipping and Other Waterborne Activities.*

What is the Stornoway sea angling vessel called and what is the max number of anglers on board.

SYSAC II with max 12 anglers

Each time a registered passenger vessel has an exercise, what would you do with this information and where does this get recorded?

Create an Incident in Vision and record it in the vessels SAR Plan.

What is the name of company which operates the Coastguard ETV's?

J.P.Knight

What is the name of outdoor centre at Ardmore Point Rhiconnich and the one in North Uist?

**John Ridgeway School of Adventure – Ardmore Point
Uist Outdoor centre - Lochmaddy**

A foreign trawler of 650 GT has called us to ask you if he comes to Stornoway can his vessel be slipped. What is the maximum GT of a vessel can be slipped at Goat Island and what publication in the ops room would you find this information?

Vessels up to 850 GT can be slipped //Pilot Book NP66.

How many reporting points are the for vessels transiting North through the Minch?

4

(7) Other Assets and Sources of Information.

Name two areas within our district used by the MOD for testing Weapons and firing trials.

1 Hebrides

2 Cape Wrath

3 Rona Range

Where in the MRCC would you get the following information:

Port and Airport Emergency Plans

EPR

Sites sensitive to pollution (Birds/Marine)

Folio 14 Chart Table

Harbour Contingency plans for Pollution

EPR Bookcase

What is the name of the MCA Boat in Portree and who is the Boat Manager?

Who is responsible for maintaining Arnish Lighthouse?

Stornoway Harbour

(8) Major incident Plan and Buisness Continuity Plan..

Who is responsible for the North SCOTNI Major Incident Plan and where is it to be found?

CSM – Bookcase

What are the two code words and which station is the nominated flank station in the event of an evacuation or Outage at MRCC Stornoway?

“STORNOVAC or Stornoway Outage” / MRCC CLYDE

Where is the nominated Emergency Rescue Centre for MRCC Stornoway?

Stornoway Police Station.

In the event of an evacuation from the MRCC, name two operational Items which need to be taken with you and where are they located?

ECP in the equipment room / Grab Bag by the DSC Server/ Mobile Phone

(9) Name 5 Aerial sites and the geographical location of these.

	Name	Area.
1		
2		
3		
4		
5		

(10) Which CRT's would you task to an incident in the following locations?

- 11) Cheesbay - **Griminish**
- 12) Loch Duich - **Kyle**
- 13) Loch Pooltiel - **Dunvegan**
- 14) Achmelvig Bay - **Lochinver**
- 15) Loch Finsbay - **Leverburgh**
- 16) Loch Sligachan - **Portree**
- 17) Loch Laxford - **Kinlochbervie**
- 18) Vatersay - **Barra**
- 19) Loch Scresort - **Rum**
- 20) Arnish Point - **Stornoway**

(11)

What is the nearest aerial site to vessels in the following locations?

- 1) Leverburgh - **Rodel**
- 2) Loch Boisdale - **Barra Y/X**
- 3) Loch Gairloch - **Melvaig**
- 4) Loch Dunvegan - **Scoval**
- 5) Isle of Eigg - **Arisaig**

Using Stornoway tides, what are the time differences of the tide in the following places?

- Kinlochbervie **+0.25**
- Carlway **- 0.15**
- Leverburgh **- 0.35**

Lochboisdale - 0.47
Kyle -0.25

(12) **Which Lifeboat would you task to the following Location ?**

- 11)Loag Roag - Stornoway
- 12)Loch Nevis - Mallaig
- 13)Isle of Eigg - Mallaig
- 14)Loch Boisdale - Barra
- 15)Loch Snizort - Portree
- 16)Loch Seaforth - Stornoway
- 17)Loch Laxford - Lochinver
- 18)Loch Torridon - Portree
- 19)Loch Scavaig - Mallaig
- 20) Loch Claidh - Stornoway

(13) **What are the working frequencies for the following Harbours?**

- 9) Stornoway - 12
- 10)Ullapool - 14
- 11)Lochinver - 12/9
- 12)Kinlochbervie - 14
- 13)Kyle - 11
- 14)Mallaig - 09
- 15)Portree - 12

8) What is the Name of Stornoway, Lochinver, and Portree Harbour Masters?

Stornoway – Portree –

Lochinver –

(14)

What ports do the following Fishing Number Abbreviations come from?

SY - Stornoway

CY - Castlebay

FR - Fraserburgh

BRD - Broadford

BF - Banff

UL - Ullapool

INS - Inverness

OB - Oban

PD - Peterhead

TT - Tarbert

(15)

In which Publication would you find details on Fishing Vessels?

FV of GB and Ireland

What information would you find in ALRS Vol 5

GMDSS

Where is the tidal Stream atlas to be found?

Chart Table

In what publication would you find information on tides for Stornoway?

Reeds Nautical Almanac

What information is held on the "Kingfisher" Charts?

Cable Awareness

What information would you get from NP 735 and where is this publication located?

IALA Maritime Buoyage System – Chart Table Top Drawer.

On the Stornoway Airport Map Plan, what is located at F10?

Stenish Gate

In what publication are the Outage plans for MRCC Stornoway and where is it located?

BCP in the carousel

In the MRCC, where would you find the National Counter Pollution Plan?

EPR in the Bookcase

(16)

List below the OS map number where each place is found and the name of the map.

1. Ascrib Islands

- a. Map number: **Sheet 23**
- b. Name on map: **North Skye, Dunvegan and Portree**

2. Shiant Islands

- a. Map number: **14**
- b. Name on map: **Tarbert and Loch Seaforth**

3. Isle of Muck

- a. Map number: **39**
- b. Name on map: **Rum, Eigg, Muck and Canna**

4. Loch Hourn

- a. Map number: **33**
- b. Name on map: **Lochalsh, Glen Sheil and Loch Hourn**

5. Mingulay

- a. Map number: **31**
- b. Name on map: **Barra and South Uist**

(17)

Name what can be found at the following grid references:-

1. SH8 174334 = Telephone box
2. SH8 479489= Trig point on Muirneag
3. SH18 757757 = Griminsh Pier
4. SH18 748 679= Paible School
5. SH23 248492 = Dunvegan Castle

Compiled :- 29/12/2009

Reviewed by WM A Murray.

Swansea & Milford Haven

Local Knowledge Exam MRCC Swansea and MRCC Milford Haven

MRCC Swansea and MRCC Milford Haven are paired together in the South and West Wales Area. They operate very closely and as such share the same local knowledge exam which covers the search and rescue (SAR) regions of both stations.

Knowledge about the area is extensive and is split into two exams which are taken bi-annually. All operational staff are examined every January under the supervision of the Watch Managers on either Exam 1 or Exam 2

The exam for 2011 was number 2; it consists of 15 maps and asks candidates to correctly identify the marked features. There is a set pass mark for each section and candidates must achieve a minimum of 140 marks out of 157 to successfully achieve a pass for the whole paper.

Paper 2 is contained in this document with the correct answers inserted.

I can confirm that all staff with the exception of those on long term absence completed the exam successfully in January 2011.

Mark Harrington

Duty Area Officer for Swansea and Milford Haven



Maritime and Coastguard Agency

HM COASTGUARD

**SOUTH & WEST
WALES AREA**

LOCAL KNOWLEDGE EXAM

Candidate:

Watch:

RCC:

Date:

Exam No: 2

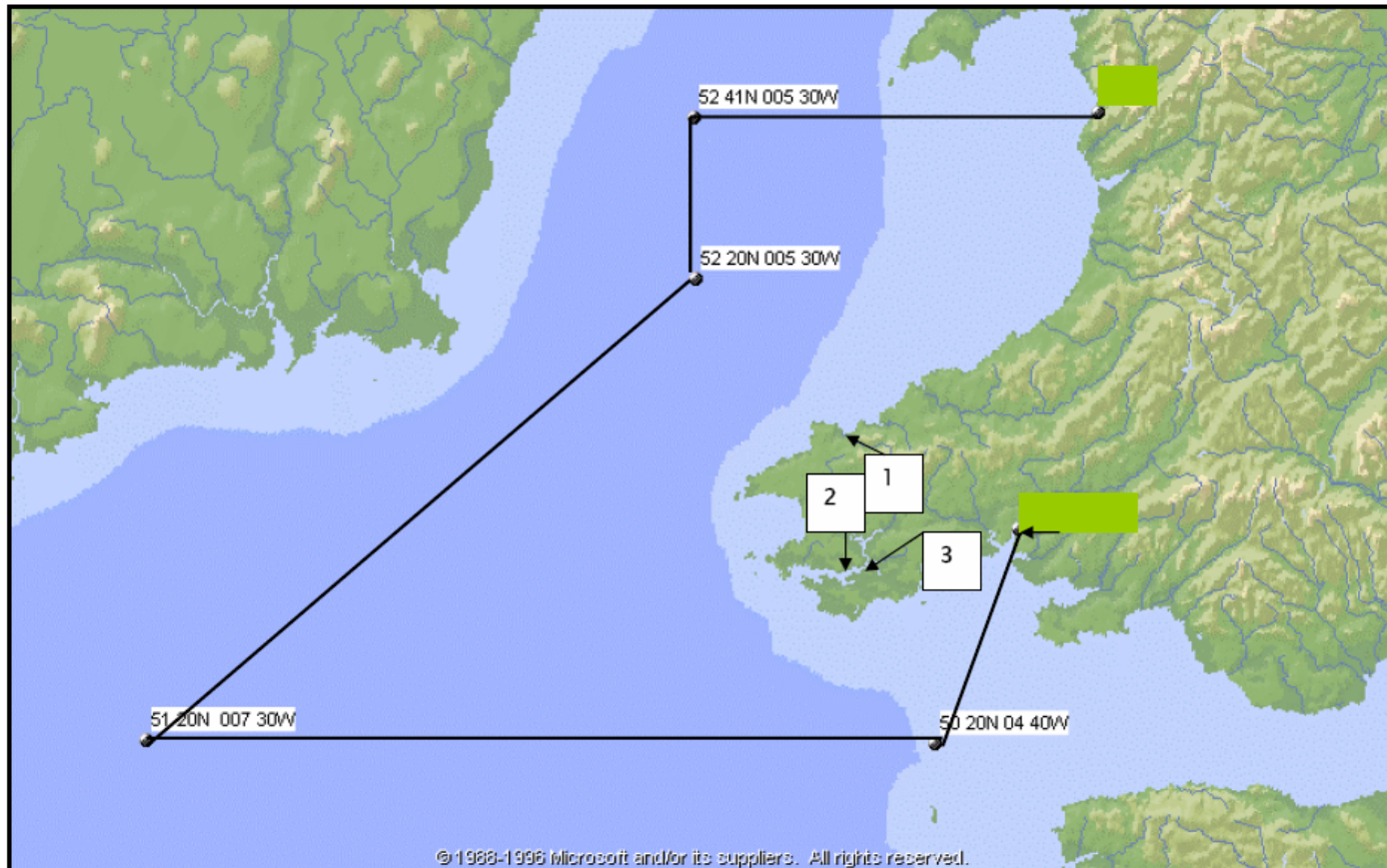
Map No	Subject	Pass Mark	Student Mark	Pass/Fail
15	MH PORT	2		
16	SW PORT	10		
17	MH HAR	10		
18	SW HAR	12		
19	MH MAR	3		
20	SW MAR	7		
21	MH LG	13		
22	SW LG	16		
23	MH RIV	7		
24	SW RIV	14		
25	MH BAYS	2		
26	SW BAYS	10		
27	MH HEAD	10		
28	SW HEAD	14		
29	MH LH	4		
30	SW LH	10		
MIN SUB TOTAL		(140)		
MIN PAPER TOTAL:		157		

Comments:

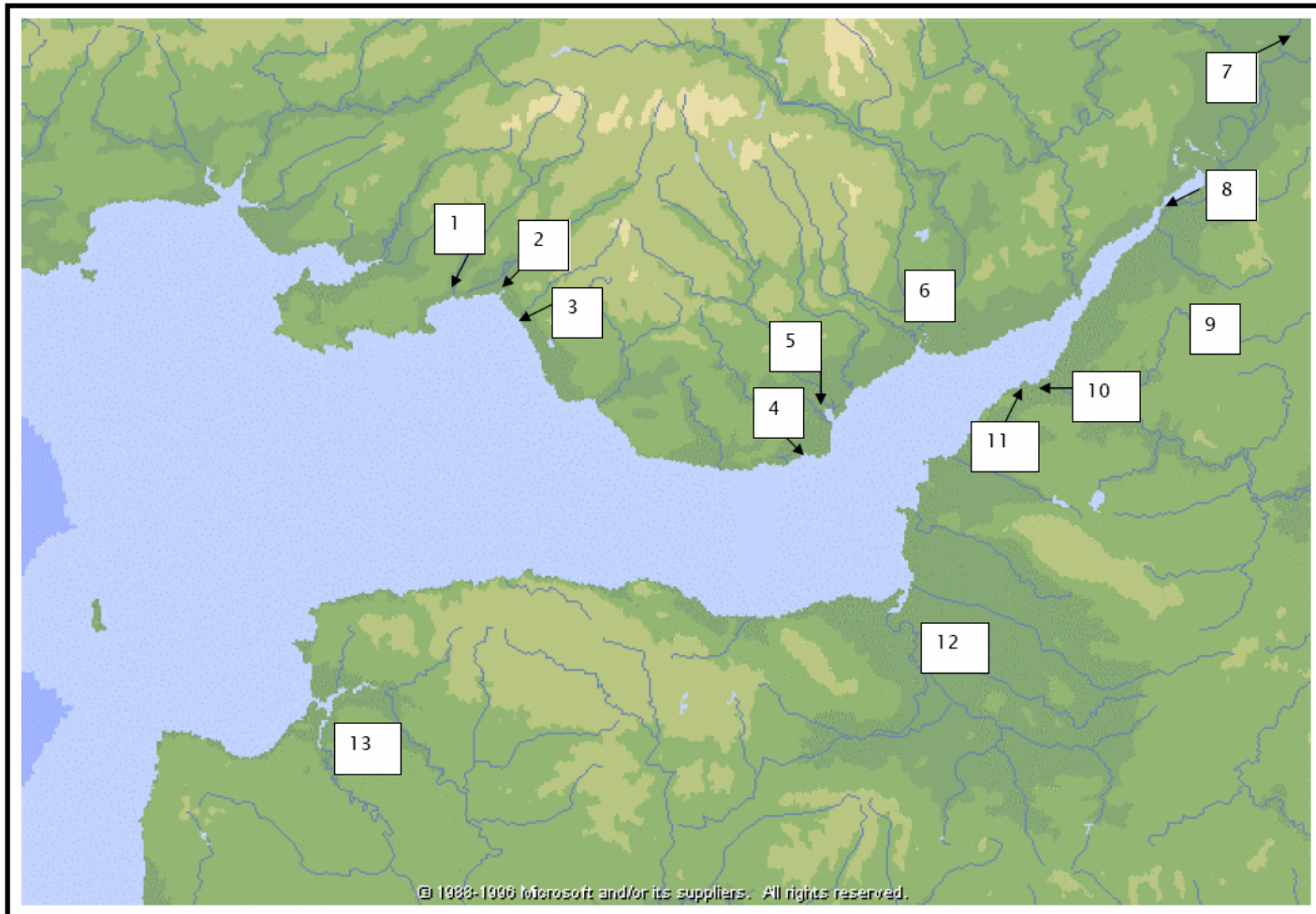
Signed WM:

Date:

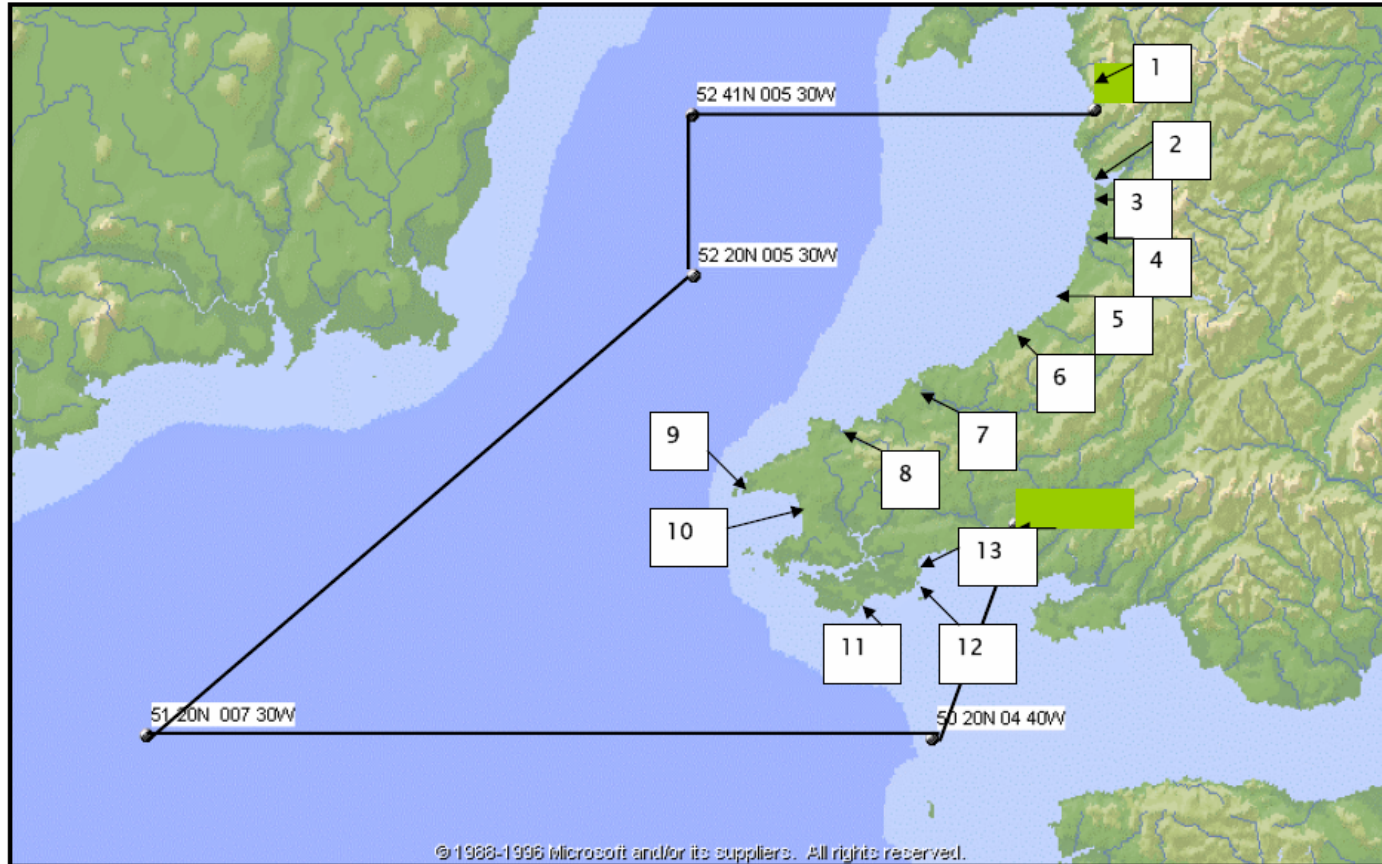
Map 15 - MILFORD HAVEN PORTS



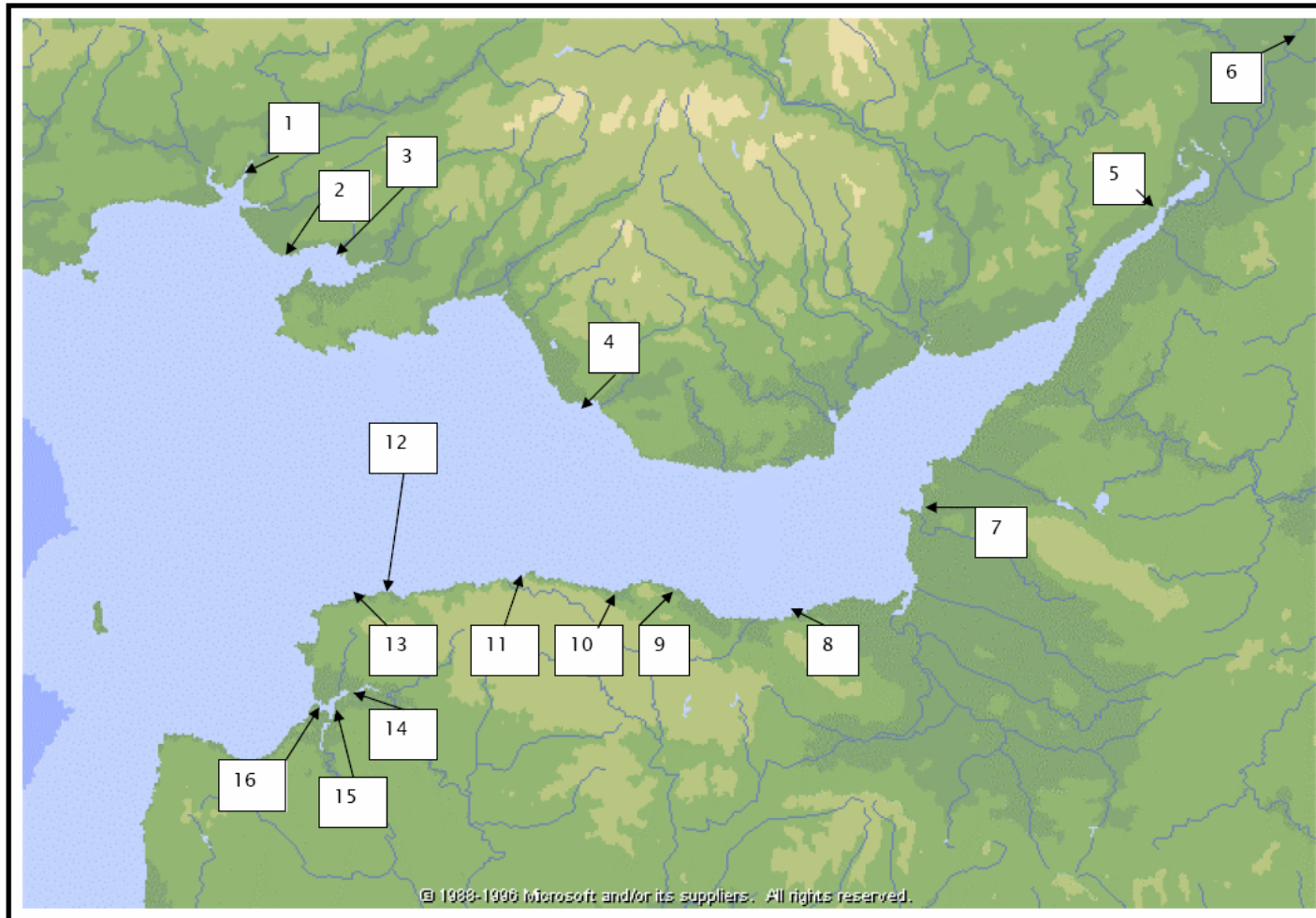
Map 16 - SWANSEA PORTS



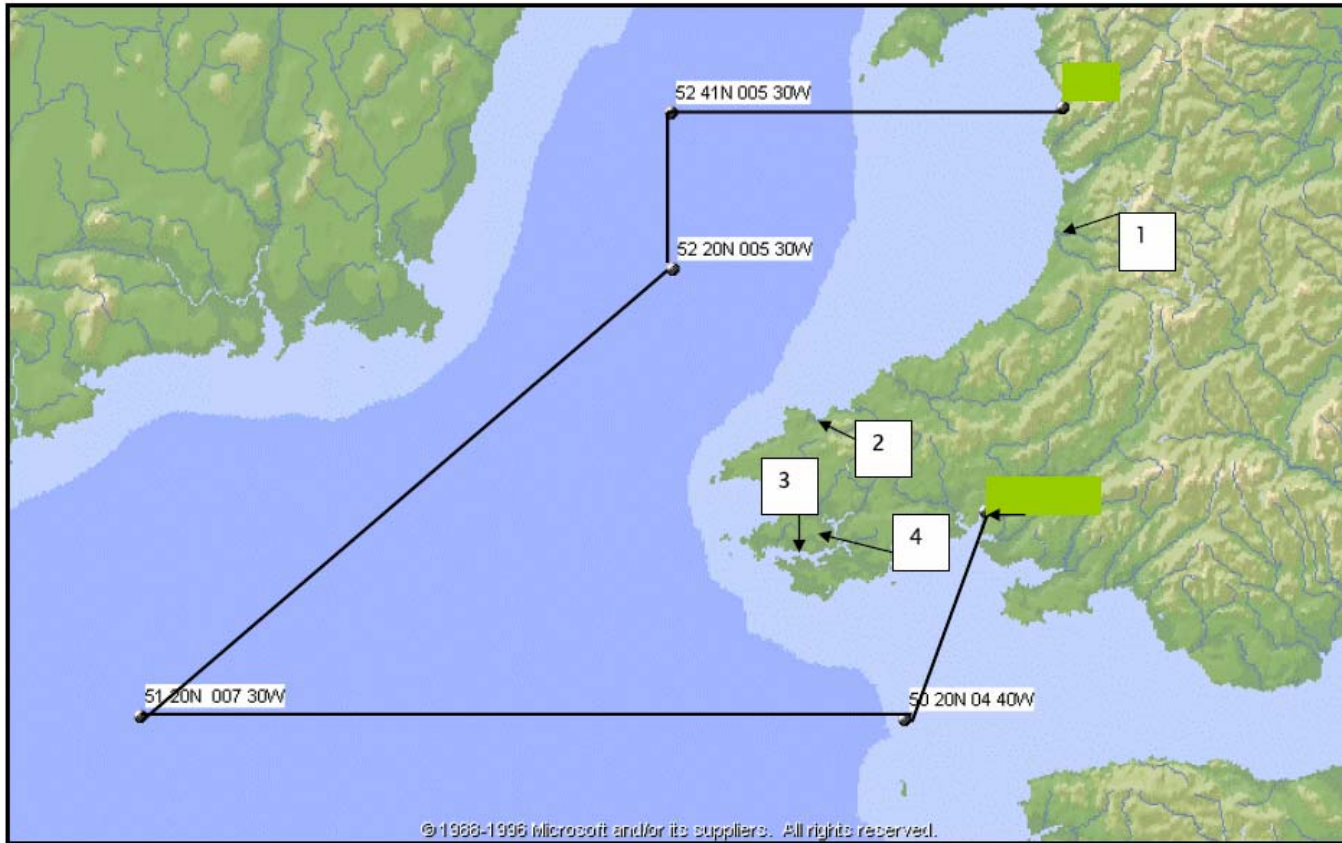
Map 17 - MILFORD HAVEN HARBOURS



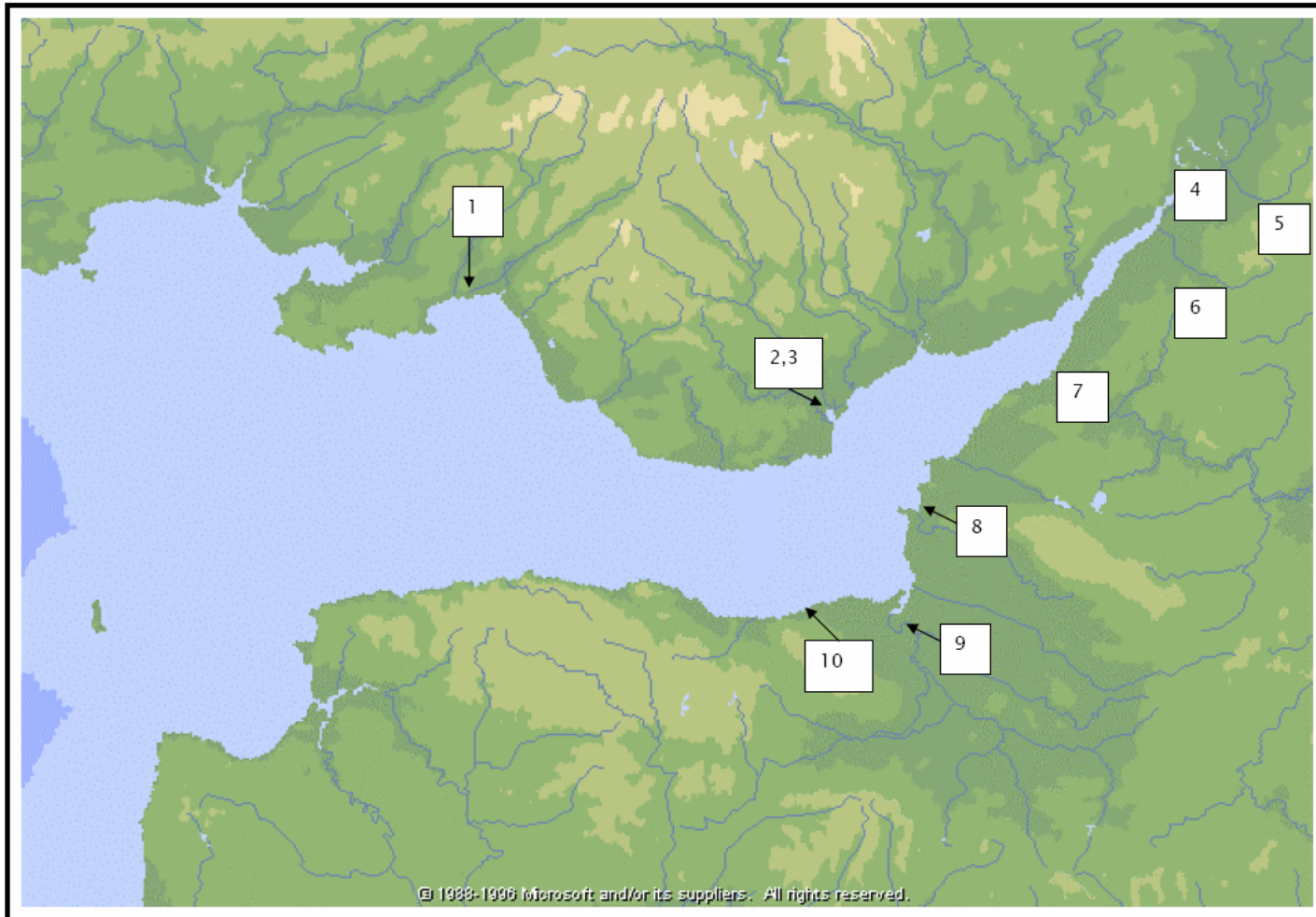
Map 18 – SWANSEA HARBOURS



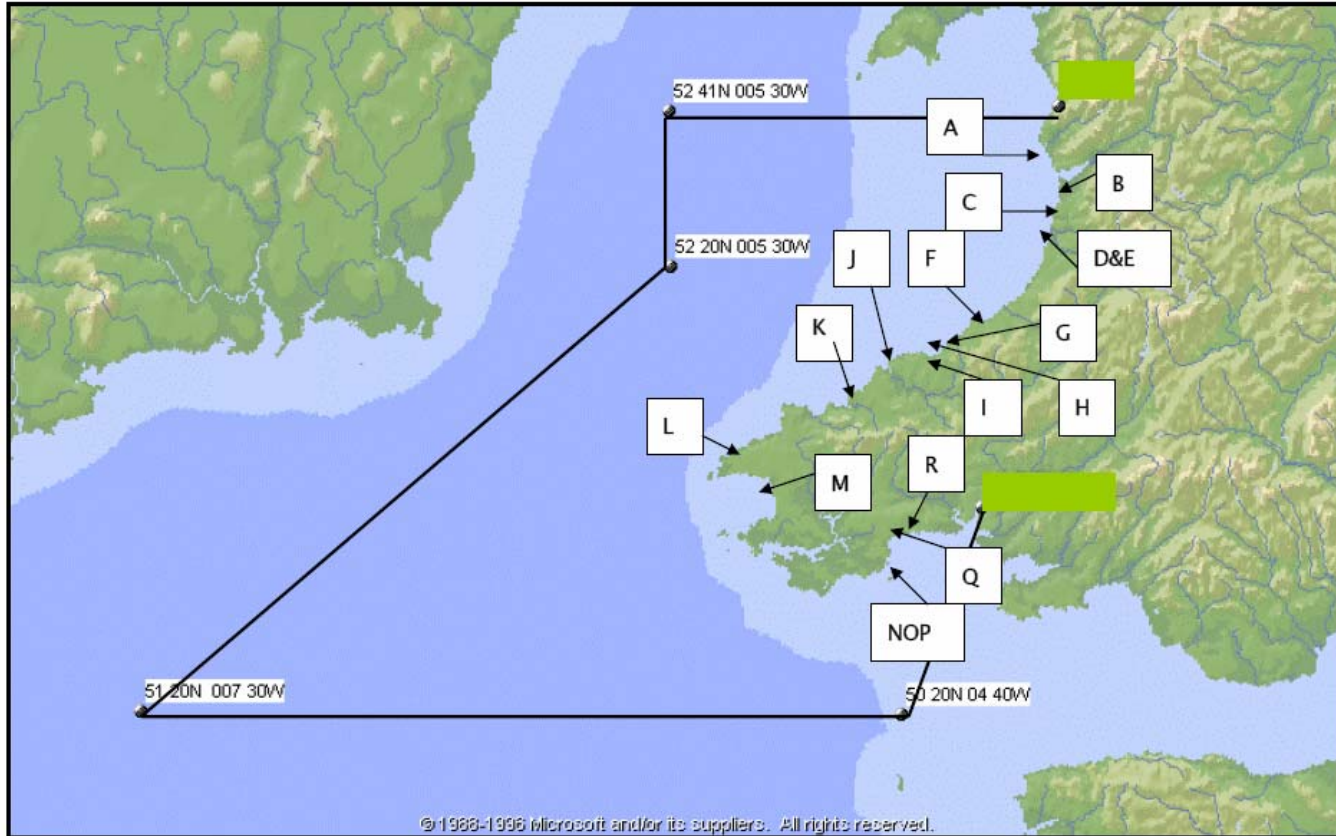
Map 19 – MILFORD HAVEN MARINAS



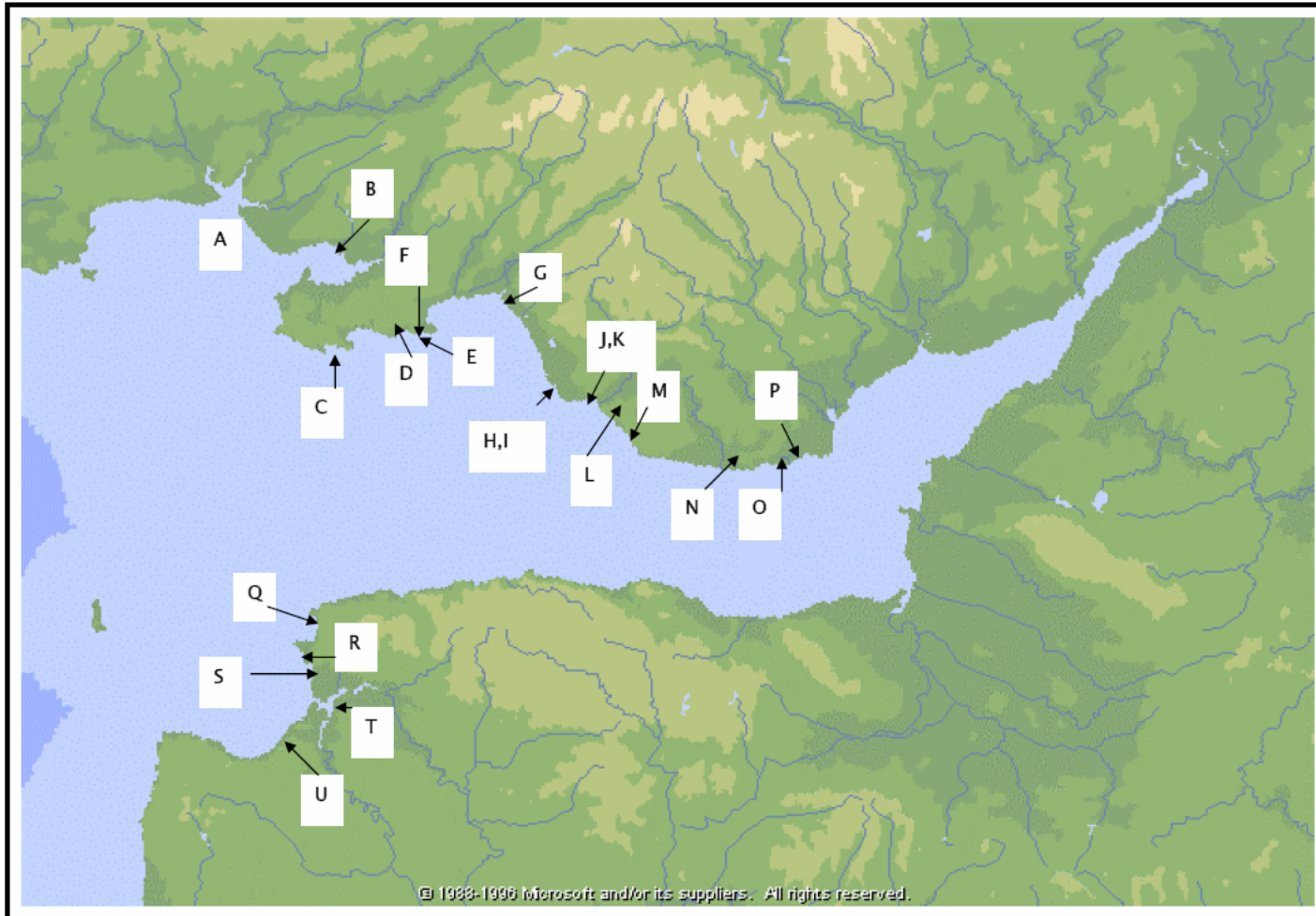
Map 20 – SWANSEA MARINAS



Map 21 - MILFORD HAVEN LIFEGUARDS



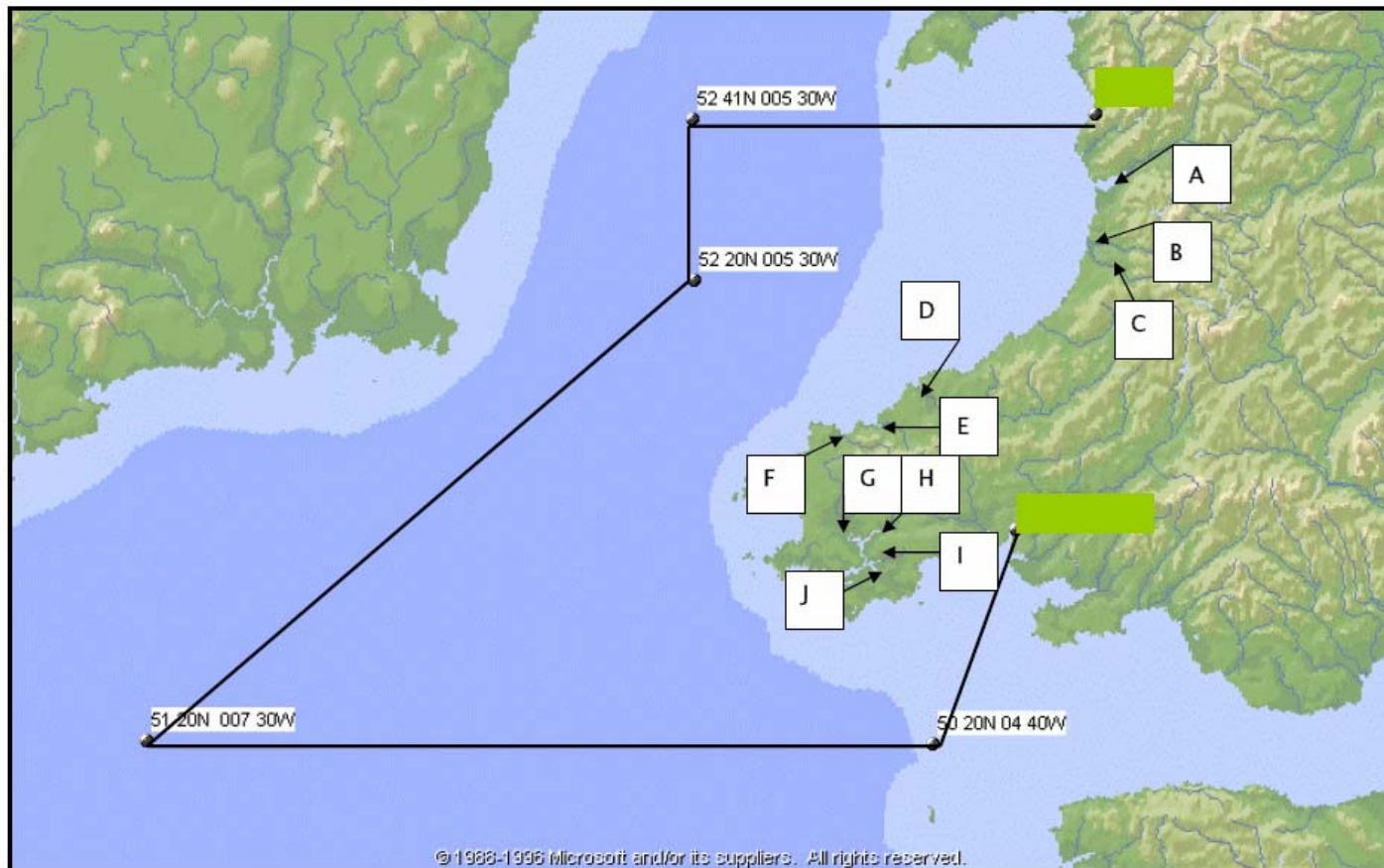
Map 22 – SWANSEA LIFEGUARDS



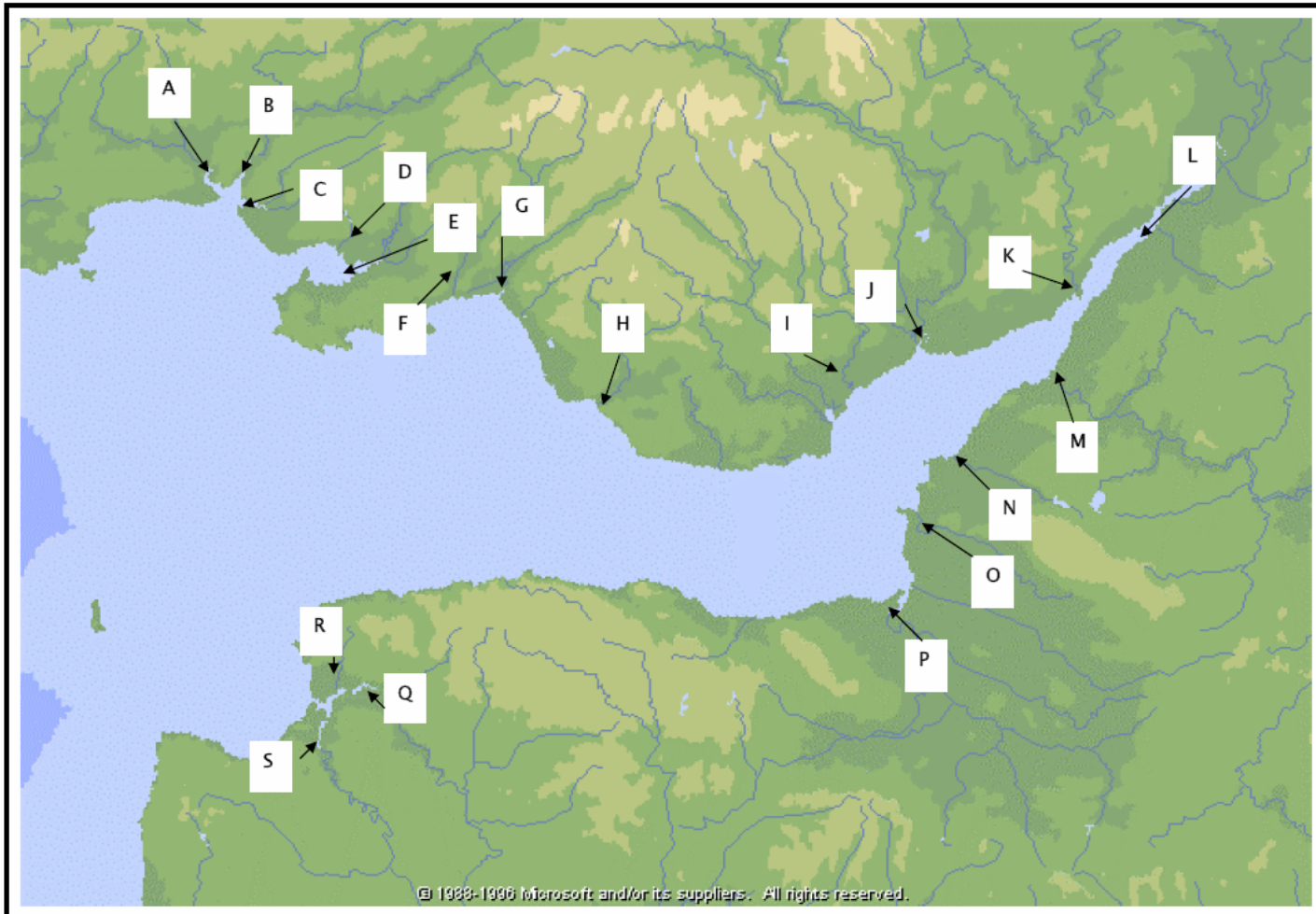
SOUTH & WEST WALES AREA LOCAL KNOWLEDGE EXAM - ANSWER SHEET**MAP No: 22**

REF	ANSWER	MARKS	SCORE
A	CEFN SIDAN (PEMBREY)	1	
B	LLANELLI CANOE RESCUE CLUB	1	
C	PORT EYNON	1	
D	CASWELL	1	
E	LANGLAND	1	
F	BRACELET BAY	1	
G	ABERAVON	1	
H	REST BAY	1	
I	SKER & PINK BAY	1	
J	NEWTON BAY	1	
K	PORTHCAWL	1	
L	SOUTHERN DOWN	1	
M	LLANTWIT MAJOR	1	
N	RHOOSE	1	
O	BARRY ISLAND	1	
P	KNAP	1	
Q	WOOLACOMBE	1	
R	CROYDE	1	
S	SAUNTON BAY	1	
T	INSTOW	1	
U	WESTWARD HO!	1	
	TOTAL:	21(16)	

Map 23 - MILFORD HAVEN RIVERS



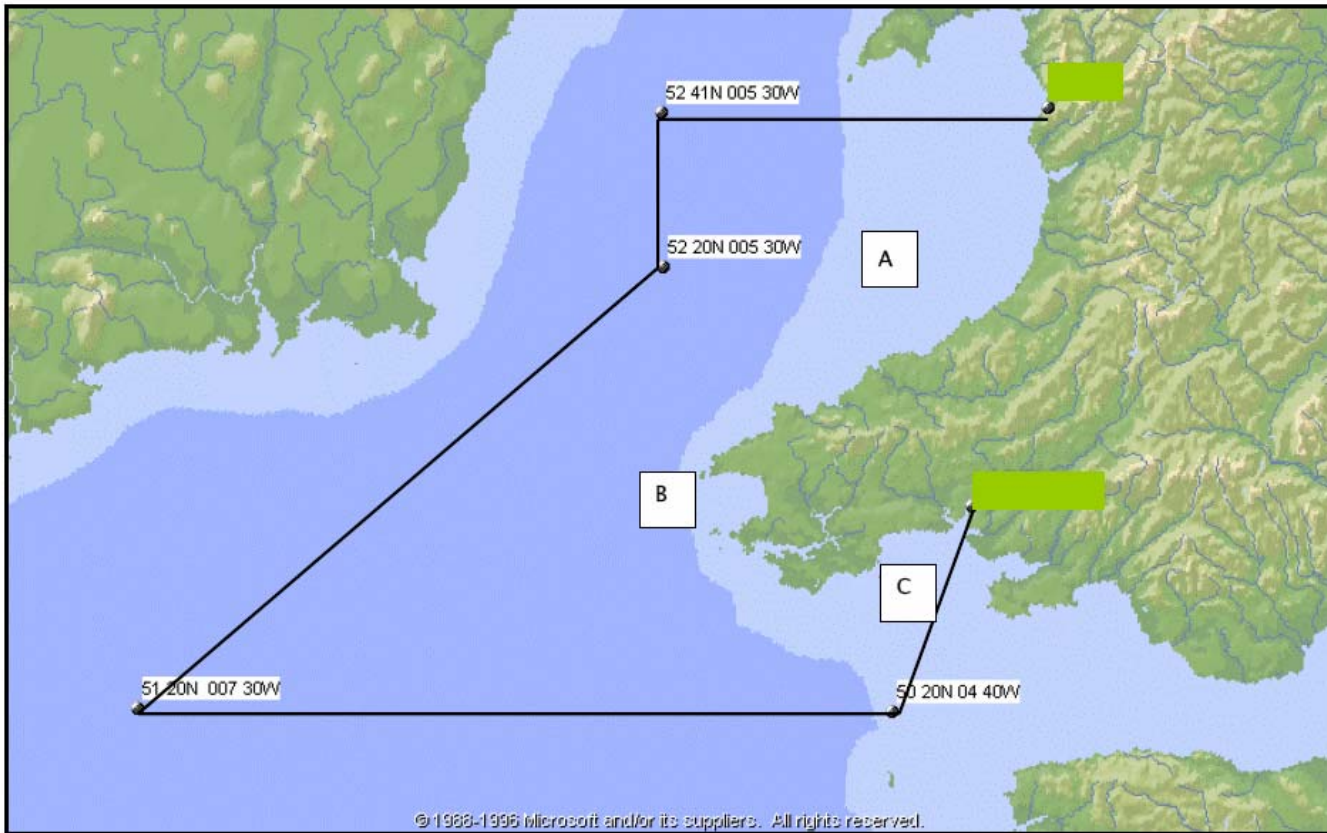
Map 24 - SWANSEA RIVERS



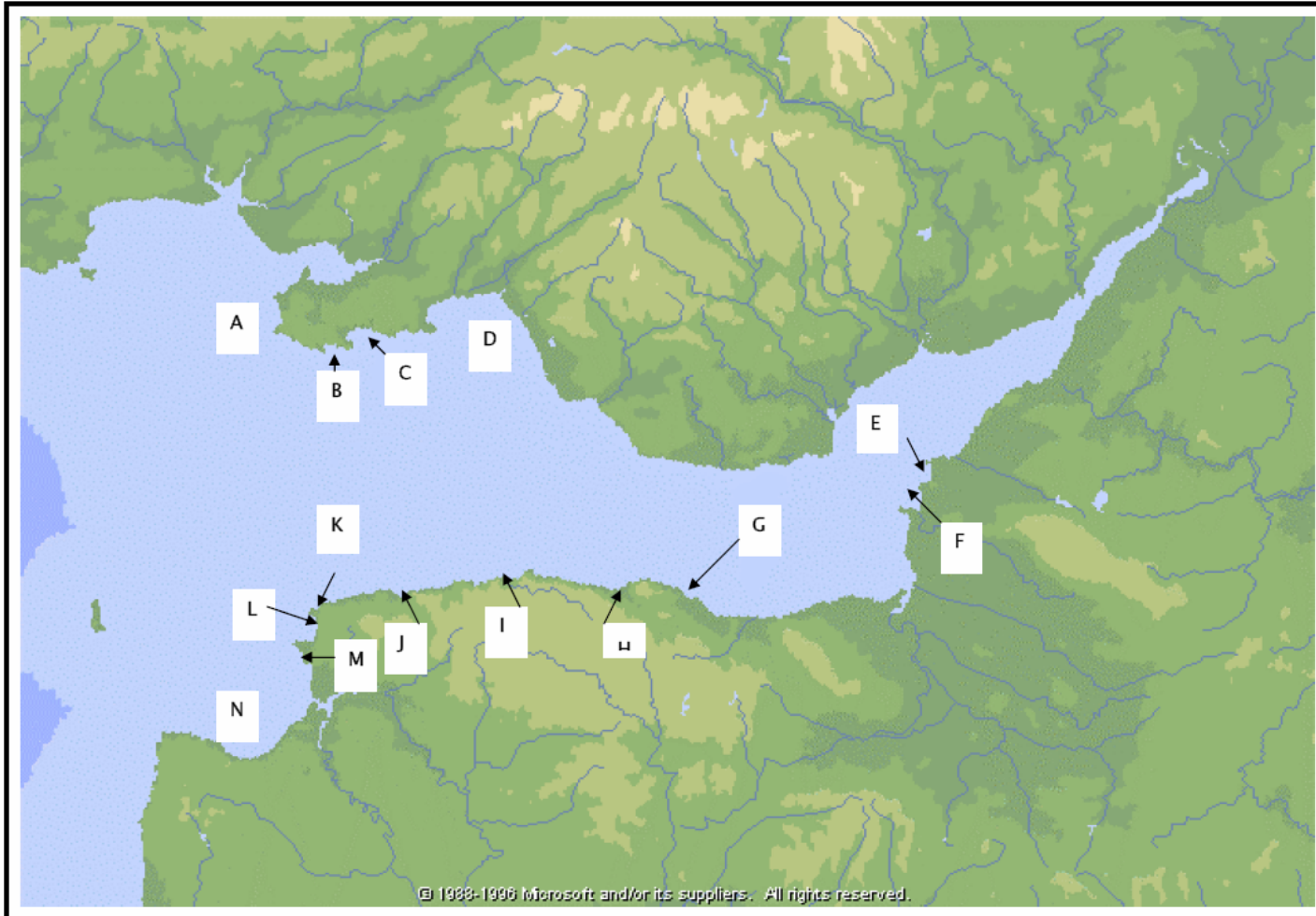
SOUTH & WEST WALES AREA LOCAL KNOWLEDGE EXAM - ANSWER SHEET**MAP No: 24**

REF	ANSWER	MARKS	SCORE
A	TAFF	1	
B	TOWY	1	
C	GWENDRAETH ESTUARY	1	
D	LLIEDL	1	
E	LOUGHOR ESTUARY	1	
F	TAWE	1	
G	NEATH	1	
H	OGMORE	1	
I	RHYMNEY	1	
J	USK	1	
K	WYE	1	
L	SEVERN	1	
M	AVON	1	
N	YEO	1	
O	AXE	1	
P	PARRETT	1	
Q	TAW	1	
R	CAEN	1	
S	TORRIDGE	1	
		TOTAL:	19(14)

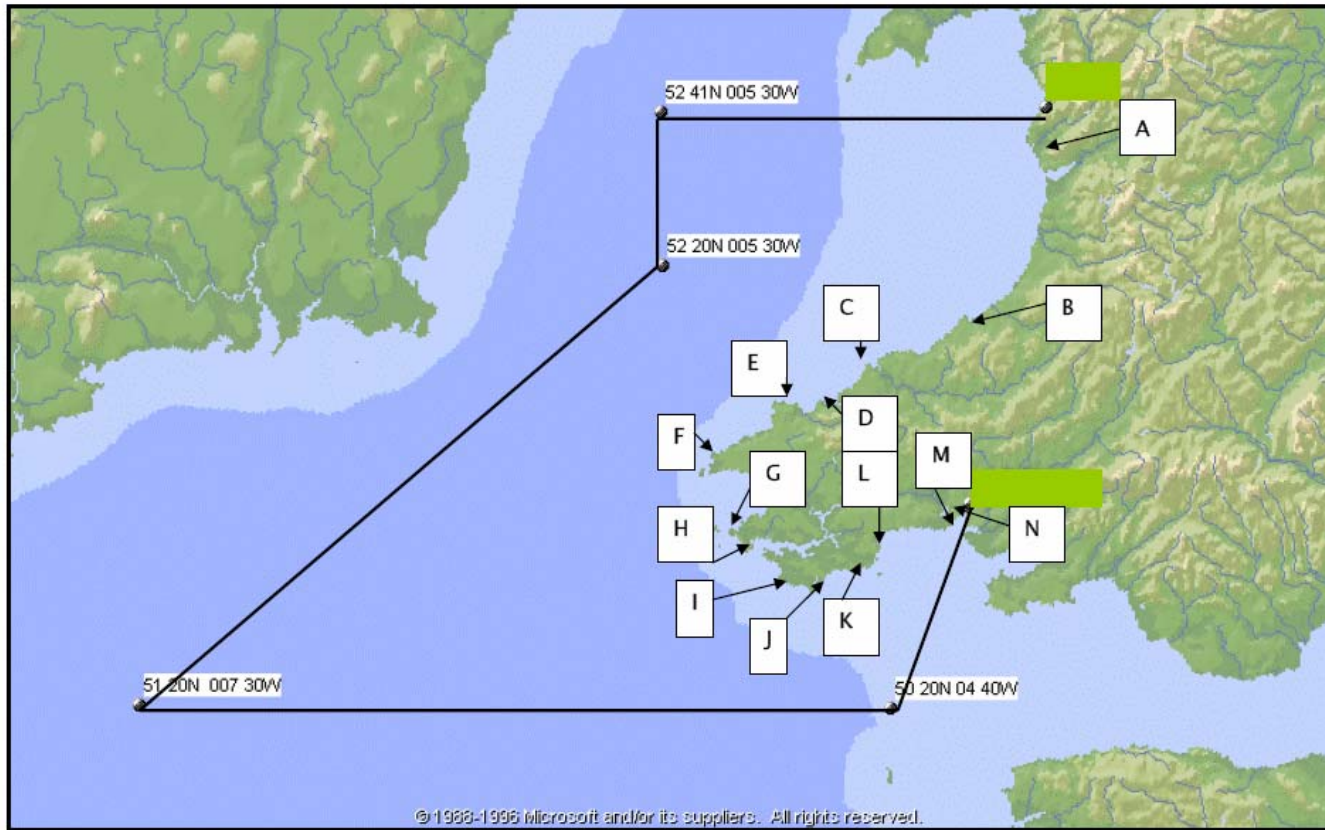
Map 25 - MILFORD HAVEN BAYS



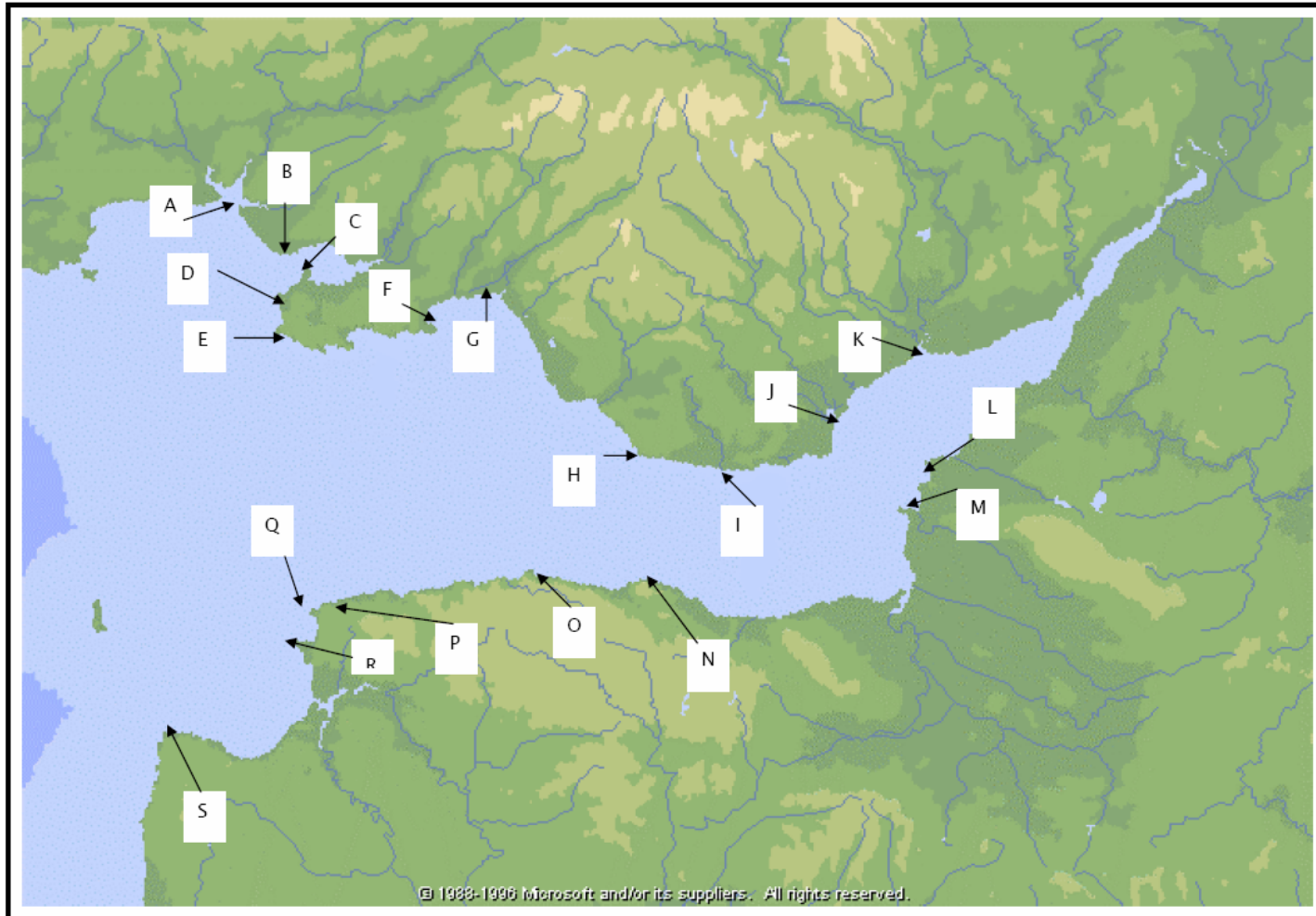
Map 26 – SWANSEA BAYS



Map 27 - MILFORD HAVEN HEADLANDS



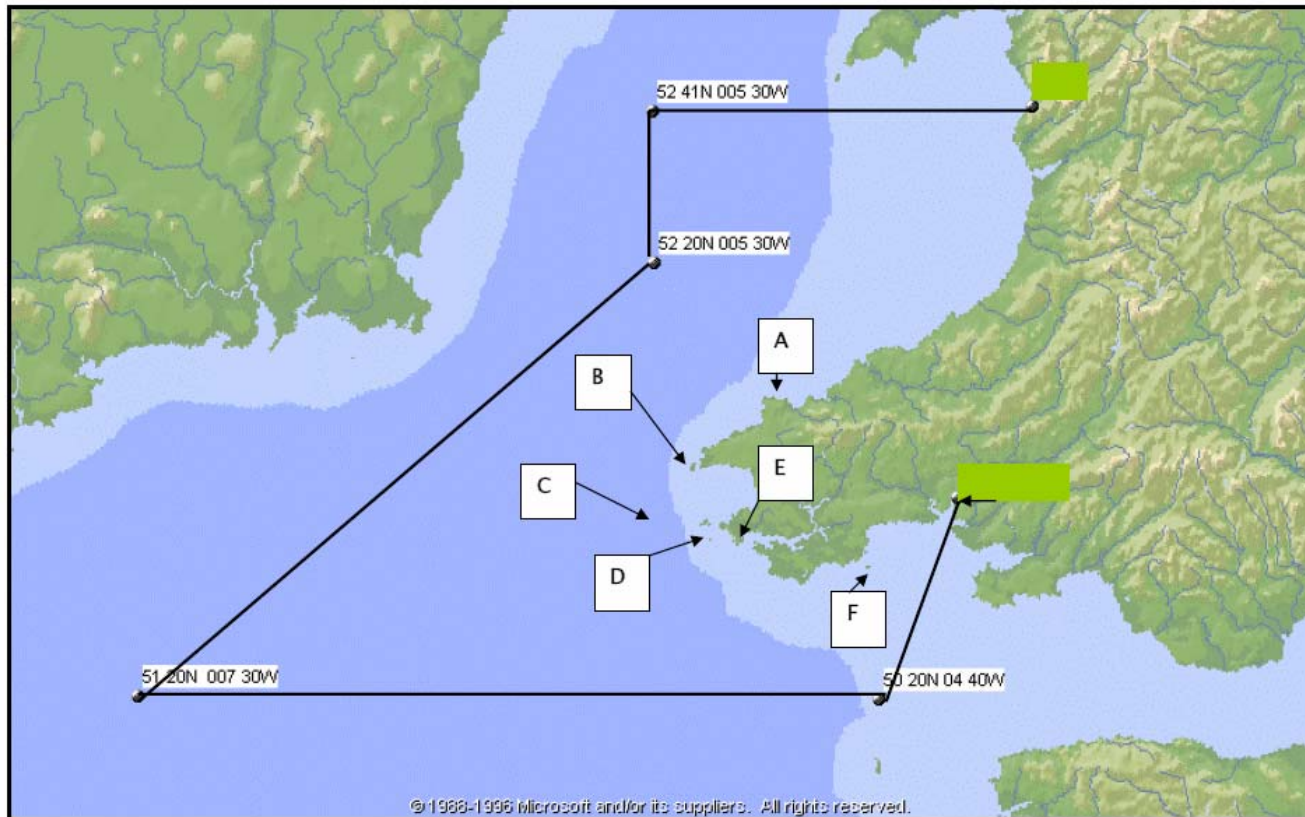
Map 28 – SWANSEA HEADLANDS



SOUTH & WEST WALES AREA LOCAL KNOWLEDGE EXAM - ANSWER SHEET**MAP No: 28**

REF	ANSWER	MARKS	SCORE
A	CEFN SIDAN SANDS	1	
B	BURRY PORT	1	
C	WHITFORD POINT LIGHTHOUSE LOUGHOR (DISUSED)	1	
D	BURRY HOLMS	1	
E	WORMS HEAD	1	
F	MUMBLES HEAD	1	
G	KILVEY HILL	1	
H	NASH POINT	1	
I	BREAKSEA POINT	1	
J	PENARTH HEAD	1	
K	WEST USK LIGHTHOUSE (DISUSED)	1	
L	SAND POINT	1	
M	BREANDOWN	1	
N	HURLESTONE POINT	1	
O	FORELAND POINT	1	
P	BULL POINT	1	
Q	MORTE POINT	1	
R	BAGGY POINT	1	
S	HARTLAND POINT	1	
		TOTAL:	19(14)

Map 29 - MILFORD HAVEN LIGHTS

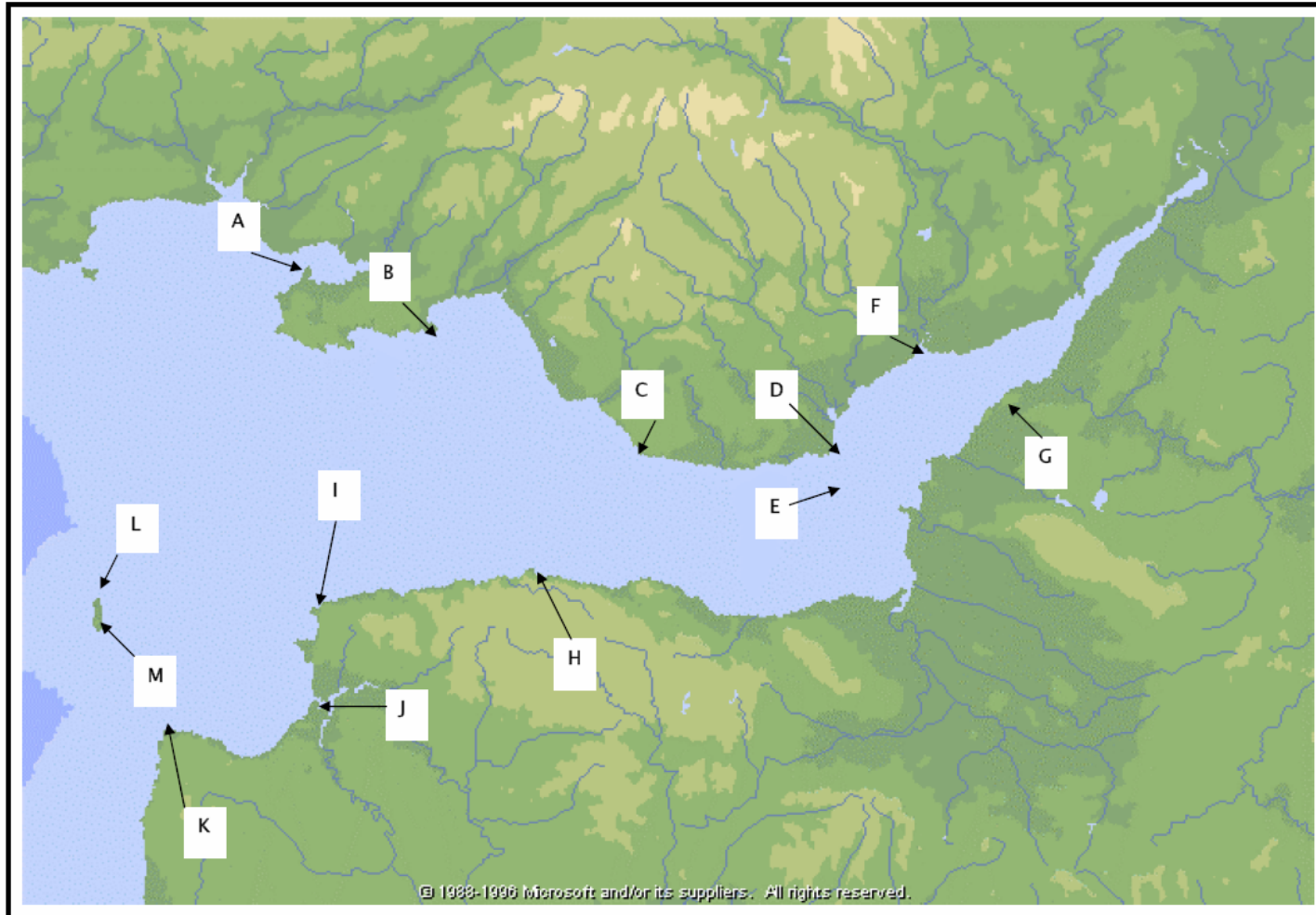


SOUTH & WEST WALES AREA LOCAL KNOWLEDGE EXAM - ANSWER SHEET

MAP No: 29

REF	ANSWER	MARKS	SCORE
A	STRUMBLE HEAD	1	
B	SOUTH BISHOPS	1	
C	SMALLS	1	
D	SKOKHOLM	1	
E	ST ANNES	1	
F	CALDEY ISLAND	1	
	TOTAL:	6(4)	

Map 30 – SWANSEA LIGHTS



Thames

MRCC THAMES LK MASTER DATA BASE

- To be used by Watch Managers, as they feel fit to exam by the agreed oral method.
- Database maintained by WM Anthony Mayhew

1. Name the beacon at the entrance to Mersea Quarters?
(1)

A: NASS BEACON

2. In which river is Hoo Marina?
(1)

A: MEDWAY

3. Where is the only Severn Class Lifeboat in the district, and what is its declared speed?
(2)

A: HARWICH 25 KNOTS

4. Where are the Red Sand Towers?
(1)

A: THAMES ESTUARY NORTH OF WHITSTABLE / ISLE OF SHEPPEY

5. What is the name of the Traffic Separation Scheme off the approaches to Harwich?
(1)

A: SUNK

6. What VHF channel is primarily used by Harwich Port Authority?
(1)

A: CH 71

7. Which youth activity centre is based at Tollesbury?
(1)

A: FELLOWSHIP AFLOAT

8. What is the significant charted feature off Sales Point?
(1)

A: WAVE BREAK SUNKEN CONCRETE BARGES

9. Where is the Marconi Sailing Club based?
(1)

A: STANSGATE, SOUTH SIDE HALF WAY UP RIVER BLACKWATER

10. What is the name of the principal wreck off the entrance to the River Medway
(1)

A: SS RICHARD MONTGOMERY

11. What class of all weather lifeboat is based at Aldeburgh & how is it housed & launched? (2)

A: MERSEY, HOUSED ON BEACH, TRAILER AND TRACTOR LAUNCHED

12. What Coastguard team would you send to an incident at Two Tree Island?
(1)

A: SOUTHEND CRT WITH BACK UP FROM CANVEY IRT IF REQUIRED

13. What is the correct route for requesting the tasking of the local RAF rescue helicopter? (1)

A: TELEPHONE ARCC KINLOSS

14. Who might be able to offer an explanation for flares sighted near Rowhedge?
(1)

A: FINGERINGHOE ARMY RANGES

15. Name four lifeguard units in the Thames District?
(2)

A: MINSTER, CHALKWELL, TANKERTON, SHEERNESS, LEYSDOWN, HERNE BAY
SOUTHEND, CLACTON

16. What lifeboats are based on the River Crouch & how are they each housed?
(4)

A: BURNHAM AT75 LB AND D CLASS ILB
BOTH IN FLOATING BOAT HOUSES IN BURNHAM YACHT HARBOUR

17. What are the call signs of the Essex Police and Suffolk Police helicopters and where are they each based?
(3)

A: ESSEX QH99 BASED AT BOREHAM NEAR CHELMSFORD
SUFFOLK A99 BASED AT WATTISHAM

18. Name FOUR Station Officers:
- Aldeburgh :
 - Shingle Street:.....
 - Felixstowe :
 - Holbrook :
 - Walton :
 - Clacton :
 - Mersea :
 - Bradwell :
 - Southend :
 - Canvey :
 - Medway :
 - Sheppey :
 - Herne Bay :

19. Who is the current Sector Manager of North Kent?
(1)

A:

20. What class of RNLI Lifeboats are based at Sheerness?
(2)

A: TRENT AWLB AND D CLASS ILB

21. Which three aerial sites are fitted with DF:
(3)

A: BAWDSEY, WALTON AND SHOEBURYNESS

22. Name two of the Second World War gunning placements still in the estuary?
(2)

A: ROUGH TOWERS, KENTISH KNOCK, RED AND SHIVERING SAND TOWERS

23. If we had an incident at Warden Point, which Coastguard would we task?
(1)

A: SHEPPEY

24. On which river is Creeksea?
(1)

A: RIVER CROUCH

25. If someone was fishing on the Street, off which town would they be?
(1)

A: WHITSTABLE

26. What is the name of the island within the River Ore?
(1)

A: HAVERGATE

27. Name two of the islands in the Walton Backwaters?
(2)

A: SKIPPERS, HORSEY, PEWIT, HEDGE END, HONEY POT

28. Name the two sand banks extending from the entrance of the River Crouch?
(2)

A: FOULNESS AND THE RAY / BUXEY SANDS

29. Name three Pilot Stations located within the Thames District?
(3)

A: WARPS, SUNK, CORK, NE SPIT, MEDWAY

30. If you were standing next to Batemans Tower, where would you be?
(1)

A: RIVER COLNE, NORTH ENTRANCE TO BRIGHTLINGSEA HARBOUR

31. What other names is St Osyth Beach also known as?
(1)

A: HUTLEYS BEACH OR TOOSEY

32. Which creek do vessels use when visiting Exchem?
(1)
A: OAKLEY CREEK, WALTON BACKWATERS
33. Name two Trinity House vessels which operate out of Harwich?
(2)
A: ALERT, PATRICIA, GALATEA
34. Which Coast Response Team (CRT) would we send to an incident at Hollesley Bay?
(1)
A: SHINGLE STREET
35. On which river is Wrabness and which CRT covers that area?
(2)
A: RIVER STOUR, WALTON CRT
36. On which river is Woolverstone Marina and which CRT covers that area?
(2)
A: RIVER ORWELL, HOLBROOK CRT
37. If we had a report of a flare over Trimley Marshes, which CRT would we task?
(1)
A: FELIXSTOWE
38. The Woodbridge Haven Buoy is at the entrance to which river?
(1)
A: RIVER DEBEN
39. Where is Thorpeness and which CRT covers that area?
(2)
A: BETWEEN ALDEBURGH AND SIZEWELL, ALDEBURGH CRT
40. What class of lifeboat is stationed at Walton and what is its declared operating speed?
(2)
A: TYNE, 17 KNOTS
41. What is the 'man made island' and where would you find it?
(2)
A: EXPERIMENTAL SAND AIRPORT PROJECT OFF SHOEBURYNESS

42. How many and where are the D Class Lifeboats in the Thames District?
(3)

A: 6, ALI, CCI, BUI, SNI1, SNI2, SHI

43. What is the call sign of the MCA Patrol Launch, where is it based, and who is its crew ? (3)

A: MCA HUNTER, TITCHMARSH MARINA, STEVE MOFFATT & JOHN TOVEY

44. Name the two inhabited islands at the western end of the River Blackwater?
(2)

A: NORTHEY AND OSEA ISLANDS

45. Which lifeboat would we task to a broken down angling boat off the Bradwell Baffle? (1)

A: WEST MERSEA AT75

46. Which CRT would we task to an incident off Reculver Towers?
(1)

A: HERNE BAY

47. What unique RNLI unit could we task to assist in mud rescue in the Hadleigh Ray? (1)

A: SOUTHEND HOVERCRAFT

48. Name the 4 RNLI Lifeboats on the River Thames who are co-ordinated by London CG? (2)

A: GRAVESEND, TOWER, CHISWICK, TEDDINGTON

49. Which two RNLI Lifeboats immediately flank our district and what type are they? (4)

A: SOUTHWOLD AT75, MARGATE MERSEY

50. Name four of the NCI stations within the Thames District?
(2)

A: SOUTHEND, HOLE HAVEN, FELIXSTOWE, HERNE BAY, WHITSTABLE

51. Name any 4 of the offshore sand banks within our district?
(2)

A: GUNFLEET, LONG SAND, GABBARD, CORK, GALLOPER,
SHIPWASH,
KENTISH KNOCK

52. Where are the tallest cliffs in the District, and which CRT would we task to them?
(2)

A: JUST EAST OF ROYAL OAK POINT, ISLE OF SHEPPEY. SHEPPEY
CRT
(confirmed by NKSM 46 metres!)

53. Where is Essex Marina located?
(1)

A: WALLASEA ISLAND OPPOSITE BURNHAM ON CROUCH

54. Potton Island is located on which river and is close to which bridge?
(2)

A: RIVER ROACH, HAVENGORE BRIDGE (WILL ACCEPT POTTON
BRIDGE)

55. Battlesbridge is located at the upper reaches of which river?
(1)

A: RIVER CROUCH

56. Identify two places within the district where we experience poor VHF coverage?
(2)

A: ABOVE ORWELL BRIDGE, THE SWALE, MEDWAY TOWNS

57. Where in the district is the CG salvage pump located and who is responsible for its care and maintenance?
(3)

A: RAF WATTISHAM, IPSM AND FXC

58. What is the name of the container port on the River Medway?
(1)

A: THAMES PORT

59. Who can provide CCTV coverage of the Orwell Bridge?
(1)

A: ORWELL NAVIGATION SERVICE

60. What is the LIMOSA and where does it operate?
(2)

A: TDC WARDEN PATROL BOAT, WALTON BACKWATERS

61. Where in the district is the All Tide Landing?
(1)

A: QUEENBOROUGH

62. Name the fully established offshore wind farms in the Thames District?
(1)

A: KENTISH FLATS, GUNFLEET SANDS

63. Name the tidal lock at the top end of the River Medway?
(1)

A: ALLINGTON

64. What does F.I.R. stand for and where is it based?
(2)

A: FORCE INFORMATION ROOM, ESSEX POLICE, CHELMSFORD

65. Name three creeks on The Swale?
(3)

A: MILTON, FAVERSHAM, CONYER, OARE

66. What small commercial dock is situated at the western end of The Swale?
(1)

A: RIDHAM

67. Who is the coxswain of the Walton and Frinton RNLI Lifeboat?
(1)

A:

68. Who is the Southend RNLI LOM (Lifeboat Operations Manager)?
(1)

A:

69. What has a call sign of 'HELIMED 7' and where is it based?
(2)

A: ESSEX AIR AMBULANCE, BASED AT BOREHAM NEAR CHELMSFORD

70. At the entrance to which river, is the Orford Haven Buoy?
(1)

A: RIVER ORE

71. Who operates the vessels with the call signs that start with "QL"?
(1)

A: ESSEX MARINE POLICE

72. What is the Phoenix Unit, where is it and what is it also known as?
(1.5)

A: WWII SUNKEN MULBERRY HARBOUR CASON, OFF SHOEBURYNNESS

73. Where in the district is Cobbolds Point?
(1)

A: FELIXSTOWE, HALF WAY BETWEEN LANGUARD POINT AND FX FERRY

74. Where is the Tide Mill Yacht Harbour and which river is it on?
(2)

A: WOODBRIDGE, TOP END OF RIVER DEBEN

75. Who operates and what is the VOLUNTEER ?
(2)

A: RHIB, OPERATED BY FELIXSTOWE VOLUNTEER COAST PATROL

76. Which river is The Rocks on and which lifeboat would be the most suitable to send? (2)

A: The Rocks is on the River Deben between Ramsholt and Waldringfield. Harwich ILB

77. What access restrictions apply to Osea Island?
(1)

A: Osea Island is accessed via a causeway which only uncovers towards low water.

78. How many beach patrol craft are operated by Tendring District Council and when are they operational?
(2)

A: At least 3 RHIBs at Walton, Frinton and Clacton, summer season!

79. Where is and which coastguard team would you send to Coal Washer Wharf?
(2)

A: Coal Washer Wharf is on the The Swale, up river from Queenborough,
Sheppey CRT

80. Where in the North Kent Sector would you find the sheerest section of
coastline / cliffs? (1)

A: The cliffs between Reculver and Bishopstone.

81. Name two islands in the District which have causeway leading onto them?
(2)

A: Osea, Northey, Horsey, Skippers, Mersea Island?

82. A motor cruiser reports having run out of diesel and anchored near the Cliff
buoy in Cliff (2) Reach. They have a dinghy with outboard and a jerry can.
Where could you advise them
to go for fuel? (The time is in normal working hours).

A: Cliff Reach is in the River Crouch, up river of Burnham
Burnham Yacht Harbour and Essex Marina both sell diesel.
Bridgemarsh Marina does not.

83. A yachtsman reports being aground and can see a row of old Thames lighters.
Where, (2) roughly, is he if he can also see a fixed red light at either end? Where
else in the district
are these lighters used for coastal protection?

A: He is off Sales Point on St. Peter's Flats.
Another location for these lighters is on the east side of Horsey Island,
Walton
Backwaters, at the entrance to Walton Channel.

84. What is the significance of the London Stone and the City or Crow Stone?
(1)

A: They mark the historic limit of the Port of London Authority

85. Rope Rescue Equipment (RRE) has just come into use on the coast. Which
team in our (2) District (on the Kent coast) has the equipment and is fully
trained?

Which team is their back up? What is the minimum complement of a Rope
Rescue Team?

A: Sheppey Team with Herne Bay as backup. 8 persons in a team

86. Where is Essex Fire Boat located, and how would you request it?
(1)

A: Burnham Fire Station. Call out through Essex Fire Control

87. Where is the most southerly DF site in Yarmouth District and the most northerly DF site in Dover District?

(1)

A: Lowestoft and North Foreland

88. List from north to south the CRT stations within Thames District, including their resource mnemonics / abbreviations.

(6.5)

(HYC)	Aldeburgh (ALC)	Walton (WNC)	Southend (SNC)	Herne Bay
	Shingle Street (SIC)	Clacton (CCC)	Canvey (CYC)	
	Felixstowe (FXC)	Mersea (MEC)	Medway (MYC)	
	Holbrook (HKC)	Bradwell (BDC)	Sheppey (SHC)	

89. Name three commercial Port Authorities in our area and the radio frequencies they use? (3)

A: Harwich ch71, Ipswich ch68, Medway ch74, London ch69 (Sea Reach 4 outwards) London ch68 (Sea Reach 4 inwards)

90. What useful piece equipment does Ipswich Port have that can aid a search of the river Orwell? Where is their port limit?

(2)

A: CCTV. Just south of the Orwell Buoy

91. Name and give the location of the infamous hazardous shipwreck in our area. How often is it surveyed and who has responsibility for the wreck?

(1.5)

A: SS Richard Montgomery wreck, entrance to River Medway, Annually by MCA

92. What type of All Weather lifeboat is stationed at Margate?

(2)

What considerations need to be remembered when launching this lifeboat?

A: Mersey Class. Trailer launched, so state of tide dictates launch time and recovery.

93. Which helicopter bases provide cover should NO aircraft from RAF Wattisham be available? What authority would normally inform Thames MRCC about this situation? (2)

A: RAF Leconfield, Koksijde in Belgium or CG104 from Solent, info from ARCC Kinloss

94. What inshore lifeboat is stationed to the north of Aldeburgh and how would you call out this lifeboat? (2)

A: Southwold AT75, COACS at Thames but tell MRCC Yarmouth

95. Where is the launching site for Aldeburgh ILB when required for casualty work in the Alde?

(1)
A: Slaughden Quay

96. The Shoebury Boom is part of what remains of an anti submarine defence of the river (1) Thames during WWII. On what other section of the coastline can you still find part of its remains?

A: Minster, Isle of Sheppey

97. Name the major authority in the district responsible for buoy maintenance and name two of their vessels? (2)

A: Trinity House, THV Patricia, THV Alert, THV Galatea

98. Where is Copperas Bay, and where is the Copperas Channel? (2)

A: Copperas Bay – River Stour
Copperas Channel – North of Reculver

99. Name any six marinas within the District and which river are they on? What radio frequency do most marinas use as their working and calling channel? (4)

A: Orwell - SYH Levington, Shotley, Neptune, Foxes, Woolverston
Deben - Tide Mill Woodbridge
Walton Backwaters – Titchmarsh, FWYC
Crouch – BYH, Essex Marina, West Wick, North Fambridge, Brandy

Hole

Medway – Gillingham, HOO, Medway Bridge, Cuxton
Blackwater – Bradwell, Tollesbury
Mainly VHF Channel 80 (M)

100. Where are the **Zulu** anchorages and what is their main purpose?
(1)

A: To the SE of Shoebury Ness. Large commercial vessel anchorage operated by London VTS

101. On the AIP (Area Incident Plot) demonstrate by pin pointing the locations of :
(12)

1. CG CRT's
2. RNLI lifeboat stations
3. Wattisham airfield
4. Aerial sites.

A: 1. ALC, SIC, FXC, HKC, WNC, CCC, MEC, BDC, SNC, CYC, MYC, SHC, HYC
2. ALL, HHL, WNL, CCL, WML, BUL, SNL, SHL, WEL
3. R125
4. BAW, WAL, BRA, SHO

102. What and where is the House in the Clouds?
(1)

A: It is a Folly (converted water tower) at Thorpeness in Suffolk

103. Where and what are the "Lilies"?
(1)

A: Group of saltings / islands on The Swale at the entrance to Milton Creek

104. Who is the LOM of Burnham Lifeboat ?
(1)

A:

105. What is the name of causeway connecting the mainland to Mersea Island, and for how long does it cover at high water? (2)

A: The single causeway which connects Mersea Island to the mainland is called The Strood. In times of high tides, The Strood is covered with sea water and becomes unpassable for around an hour either side of High Water. Also dependant on whether on Spring or Neap tides.

106. What type of ALB is stationed at Sheerness and what is its maximum speed?
(2)

A: A Trent class ALB, 25 knots.

107. Name one of the TIDAL barriers in the Thames District.
(1)

A: The Colne Barrier, Benfleet Creek, Holehaven Creek x 2 (East Holehaven Creek & Vange Creek) The Woolwich Thames Barrier is incorrect as it is in London District.

108. Name the two major Container Ports in the Thames district?
(2)

A: Felixstowe and Thamesport.

109. If a FV called to say his nets were fast on the Threshold Wrecks, where would he be?
(1)

A: East of the Roughts Towers and West of the Shipwash Sand.

110. Where is the Cutler Bank?
(1)

A: 2nm East of the entrance to the River Deben

111. What disused installation will you find on Lantern marshes?
(1)

A: The aerial array associated with Cobra Mist which was the over the horizon Radar designed to detect Soviet missiles during the cold war.

112. What is the optimum speed for an Atlantic 85?
(1)

A: 30 Knots

113. Where is the Lobster Smack, and what is it?
(1)

A: It's the Public House at the entrance to Holehaven Creek, Canvey Island

114. Who is the new Coxswain of the Aldeburgh lifeboat?
(1)

A: Steven Saint

115. What is Helimed 7 and where is it based?
(2)

A: Essex Air Ambulance – stationed at Boreham near Chelmsford with QH99

116. What type of bridge is the old Kingsferry Bridge, Where is it and what is its function? (1)

A: It is a lifting bridge situated at the western end of The Swale, and provides a rail connection to the Isle of Sheppey.

117. Where is Honey Island? Locally known as Honey Pot Island. (1)

A: Walton Backwaters. Kirby Creek on the west side of Horsey Island.

118. Who is the Station Officer of the Clacton CRT? (1)

A:

119. Where would you find Thunderbolt Pier? (1)

A: River Medway, at Chatham Maritime. (The old Chatham Dockyard).

120. Where is Holliwell Point? (1)

A: Entrance to River Crouch, first land fall on North shore.

121. Where is Shellness? (1)

A: Eastern most point of the Isle of Sheppey

122. Where is Long Rock? (1)

A: Swalecliffe. North Kent

123. Which river is Snodland on and which CRT and ILB would we task to an incident there? (2)

A: River Medway, Medway CRT and Sheerness ILB

124. What and where is the Spaniard? (2)

A: It is an East Cardinal buoy, situated north of Whitstable and on the SW corner of

The Kentish Flats wind farm.

125. What is different between Herne Bay Pier and any other pier in our district?
(1)

A: It has two ends but no middle!

126. What type of lifeboat is based at West Mersea and who is the LOM?
(2)

A: Atlantic 75,

127. What type of AWB is based at Sheerness and who is the Coxswain?
(2)

A: Trent,

128. What types of RNLI units are based at Southend and who is the LOM?
(2.5)

A: Atlantic 75, 2 x D Class and a Hovercraft – Colin Sedgwick

129. Where is the alternative launching site for Aldeburgh ILB when tasked to an
(1)
incident in the River Alde?

A: Slaughden Quay

130. What type of SAR helicopter is based at RAF Wattisham and describe the
(2)
callout arrangements.

A: RAF Sea King Mk 3 – Callout through ARCC Kinloss, but may go direct to Wattisham if immediate lifesaving and incident is not more than 30nms from base.

131. What RNLI units are based at Margate?
(2)

A: Mersey AWL and D Class ILB

132. What is the closest AWB to us in the Yarmouth District and what class of LB is it?
(2)

A: Lowestoft – TYNE Class

133. List the Sector Managers in Thames District north to south.
(4)

A: Ipswich SM, Clacton SM, South Essex SM,

North Kent SM

134. Give the location for each of the Sector bases.
(2)

A: Ipswich = Felixstowe, Clacton = Clacton, South Essex = Mersea Island,
North Kent = Whitstable

135. List all the CRT's in our District from north to south
(6.5)

A: Aldeburgh – Shingle Street - Felixstowe – Holbrook – Walton – Clacton -
Mersea – Bradwell – Southend – Canvey – Medway – Sheppey and Herne
Bay

136. Where are the National Coastwatch Institutes based in the District
(2.5)

A: Felixstowe – Southend – Holehaven – Whitstable and Herne Bay

137. Where are the Lifeguard Stations based in the District and which one has
(3)
Declared Facility status.

A: Southend – Chalkwell (Declared) – Clacton – Sheerness – Minster –
Leysdown –
Whitstable – Herne Bay – Tankerton

138. The Metropolitan Police operate two Helicopters, where are they based?
(1)

A: Lippits Hill between Waltham Abbey and Chingford

139. From north to south name all rivers in the Thames District.
(7.5)

A: Blythe – Alde – Ore – Butley – Deben – Orwell – Stour – Colne –
Blackwater – Crouch – Roach – Thames – Medway
(Walton Backwaters and The Swale are acceptable but technically not classed
as rivers!)

140. On which river would you find Osea and Northey Islands?
(1)

A: River Blackwater

141. On which river would you find Havergate Island?
(1)

A: River Ore

142. On which river and island would you find Essex Marina?
(2)

A: River Crouch, Wallasea Island

143. What prominent landmarks would you find at Sizewell and Bradwell?
(1)

A: Nuclear power stations.

144. What prominent navigational mark would you find at Orford Ness?
(1)

A: Lighthouse

145. Which authorities in the District are able to provide accurate information on tide and wave heights?
(1.5)

A: Harwich VTS, London VTS and Medway VTS

146. What are the Red Sand and Shivering Sands Towers and which authority is responsible (2)
for ensuring they are properly marked?

A: Gun platforms dating from WW2 – MOD is the responsible authority.

147. Martello Towers are a common feature along parts of the NE Essex and S Suffolk (2) coastline. What are they and what unique identity is given on Admiralty Charts?

A: Coastal defences dating to the Napoleonic wars. Identified / named alphabetically.

148. What are the Rough Towers? Where are they located and what are they otherwise (2)
known as?

A: WW2 gun platform 7nms off Harwich, also known as the Principality of Sealand

149. Identify a major suicide black spot in the District.
(1)

A: The Orwell Bridge

150. In which two parts of the District would you expect to find the greatest number of (1) coastal swimmers?

A: Southend and Clacton

151. Where in the District would you expect to find the largest concentration of boardsailors? (2)

A: Southend, Clacton, West Mersea, Whitstable and Herne Bay

152. Which parts of the District provide the greatest potential for groundings? (3)

A: Off lying sandbanks; Gunfleet, Long Sand, Barrows, Sunk Sands. Entrances to the rivers – Ore, Deben, Crouch and the Hadleigh Ray

153. Which authorities are able to provide radar information on shipping within the (2.5) Thames District?

A: Harwich VTS, London VTS, Medway VTS, MOD Shoebury and Dover CG.

154. At which local ports do cruise ships sometimes call? (2)

A: Harwich International Port, Tilbury, London Docks, Greenwich, Central London

155. Where in the District do commercial fishermen operate directly from the beach? (1)

A: Aldeburgh, Dunwich

156. Where in the District would you expect to find the most yacht racing activity? (2)

A: Harwich, Walton, West Mersea, Crouch and Medway.

157. What and where in the SS MONTGOMERY? (2)

A: Wreck from WW2 loaded with explosives – Approaches to River Medway

158. What is Whitstable Street? (1)

A: A sand bar projecting north for 1 mile from the foreshore east of Whitstable harbour.

159. Which Fire and Rescue Services in our District have Fire Boats and where are they based?

(2)

A: Essex – based at Burnham. Kent – based at Sheerness

160. Which Fire and Rescue Services are able to provide MIRG offshore fire-fighting teams? (2)

A: Kent & Suffolk

161. Which Police Forces in our area have Marine Sections and where are they based. (2)

A: Essex – based at Burnham on Crouch and Kent – based at Maidstone.

162. Where are our nearest hyperbaric chambers located? (2)

A: Whipps Cross, London and Great Yarmouth
(Temporary one at Harwich for Gabbard Wind Farm operations)

163. In general terms list the Authorities in our District which provide Emergency Plans for (3)
their organisations.

A: County Councils and Local Authorities – Major Ports and Harbours –
Producers of Dangerous/Hazardous substances.

164. Where in the District would you expect to experience poor VHF radio? (3)

A: Walberswick south to Thorpeness. Upper reaches of the Orwell and Deben.
Upper reaches of the Medway, Kingsnorth through to Rochester and beyond.
The Swale from Harty Ferry through to Kingsferry Bridge. Some areas around
Seasalter, Whitstable and Herne Bay.

165. What class of lifeboat is based at Gravesend and what additional piece of equipment does it have that can be used for SAR which other ILB's do not currently carry in our district? (2)

A: Atlantic 85, D/F equipment and Radar.

166. On a map pin point the locations of the following yacht clubs at Clacton. (1.5)

Gunfleet SC, Clacton SC and the Gunfleet Motor Boat Club.

A: From N to S Gunfleet MBC, Clacton SC, Gunfleet SC

167. Where and what in the District is The Doctor?
(2)

A: The drying height just south of Osea Island and the local name for the Blackwater No3 buoy in the same location.

168. Where in the district is Wilford Bridge and what is its significance to our SAR?
(2)

A: Top end of the River Deben at Melton and signifies the end of tidal access for SAR.

169. Where in the district is Allington Lock and what does it signify regarding SAR?
(2)

A: Top end of the River Medway and signifies the end of tidal access for SAR.

170. Where in the district is Battlesbridge and what does it signify regarding SAR?
(2)

A: Top end of the river Crouch and signifies the end of tidal access for SAR.

171. Where in the district is Small Gains Creek?
(1)

A: Eastern end of Canvey Island.

172. Where is Wat Tyler Country Park and which CRT would we task there?
(2)

A: Pitsea near Basildon top end of Holehaven and Vange Creek. Canvey IRT.

173. Where in the district is Egypt Bay and what CG boundary does it mark?
(2)

A: Halstow Mashes, Blyth Sand opposite Holehaven Creek. The southern point of the Line across from Holehaven marking the district boundary of London CG and Thames CG.

174. Which river would you be on and which bridge would you be looking at, if you were standing at Cuxton Marina?
(2)

A: River Medway, looking up at the M2 Motorway Bridge.

175. What is the name of the Pier between Herne Bay and Swalecliffe?
(1)

A: Hampton Pier

176. What river is Stutton Ness Point on and which CG team would you task there? (2)

A: North shore, River Stour, Holbrook CG

177. Which SAR units in our district have D/F search capabilities? (3)

A: R125, ALL, HHL, WNL & SHL (may also include MCA Hunter and Gravesend AT85)

178. Explain the reasons why Southend RNLI has two lifeboats at the end of the pier and a (2) lifeboat and hovercraft on the shore end of the pier?

A: Because when the tide is more than half way in (approx) it is quicker to launch the ILB from the shore than send all the crew 1.5 miles down to the pier end. Also the hovercraft can launch direct onto the sea or shore regardless of the state of tide.

179. Where is Cattawade Bridge and what does it signify? (2)

A: Top end of the River Stour and signifies the end of tidal access for SAR units.

180. Kyson Point is on which river and creek? (2)

A: River Deben and Martlesham Creek.

181. Name three wind farms either established or under construction in our district? (3)

A: Kentish Flats, Gunfleet, London Array, Greater Gabbard (accept Thanet-Dover patch)

182. Where in Essex are the Cocum Hills? (1)

A: The shallows and mud flats to the SE of Mersea Island and the Mersea Flats.

183. Where is the Marconi Sailing Club and which CRT would we task there? (2)

A: Stansgate Abbey, south side of River Blackwater. Bradwell CG

184. Where is Heybridge Basin and which tidal river is it on and what non tidal water way (2) does it contain?

A: Upper reaches of River Blackwater just before Maldon on the north shore. Contains the Chelmer and Blackwater Navigation.

185. If your first informant was standing next to Iken Church, which river would they be (1) overlooking?

A: River Alde from the south side upper reaches.

186. Where is Harlow Sailing Club based? (1)

A: Maylandsea, Lawling Creek just off the River Blackwater

187. Where would you find Cobmarsh Island? (1)

A: Entrance to the Mersea Quarters.

188. Where in the district is The Crouch as apposed to the River Crouch? (1)

A: Inlet on Orford Beach on the River Ore opposite the top end of Havergate Island!

189. Which river is Ramsholt on and which lifeboat would you task to an incident off Ramsholt?

(2)

A: River Deben, Harwich ILB

190. Where in our district does an A12 road bridge mark the end of tidal SAR access? (1)

A: Blythburgh Bridge, up river from Southwold.

191. Where is the Tizard Bank ? (1)

A: Central Thames Estuary where the North and South Edinburgh Channels meet in the Knob Channel.

192. Which navigational buoy can be seen more or less, exactly due East from the ops room? (1)

A: The Medusa, Starboard Hand Mark bearing 091 degrees. Distance 2 nm approx.

193. What is the connection between Beaumont Quay and the City of London?
(1)

A: Stones from the original London Bridge are now laid at Beaumont Quay!

194. Which lifeboat would you task to an incident in Salcott Creek / Salcott Channel?
(1)

A: West Mersea AT75

195. Which lifeboat would we usually task to an incident at Rat Island just off the River Colne?(1)

A: Clacton AT75, however West Mersea AT75 may also be considered.

196. Where is and which CRT would we send to investigate a flare report over Flag Creek? (2)

A: Up river from Brightlingsea Harbour and we would send Clacton CRT.

197. Where is Fowley Island and which Creek is it close to the entrance of?
(2)

A: South side of The Swale, close to the entrance of Conyer Creek

198. Which Lifeboat and CRT would we task to a report of a capsized dinghy off Leysdown (2)
on sea?

A: Whitstable Lifeboat and Sheppey CRT

199. Where is Thorney Bay and which lifeboat or lifeboats would we task to a drowning (2) swimmer in the bay?

A: South side of Canvey Island. Gravesend Lifeboat and/ or Southend Lifeboat.

200. Where is Darnet Ness and Darnet Fort?
(1)

A: Fortified Island in the centre of the River Medway, just south of Kingsnorth Jetty.

201. When the fire alarm is activated, where is the muster point on evacuating the station? (1)

A: Ice Cream Kiosk on the promenade at the end of East Terrace.

202. When the fire alarm is activated, who is responsible for evacuating the station and telephoning the Fire Service? (1)

A: Duty Watch Manager

203. When the fire alarm is activated and you are evacuating the ops room, which two folders (3) and communications equipment do you need to take with you and where are they situated?

A: The Red and Blue Emergency contact directories slotted on the glass book case next to the fire escape, along with the ops room mobile telephone and hand held radio.

204. Where is Woodrolfe Creek and which organisation is based in it? (2)

A: The creek approaching Tollesbury Marina where Fellowship Afloat is based.

205. Where is Brandy Hole Yacht Club and which Lifeboat is named after the YC? (2)

A: Upper reaches of the River Crouch. Burnham AT75 is named the Brandy Hole

Yarmouth

LOCAL KNOWLEDGE TEST FOR MRCC YARMOUTH

This test is to be carried out without recourse to books or computers

1. Name the types and location of Lifeboats in the District with the LOM/launching Authority. Are these RNLI or Independent?

RNLI

Mablethorpe – Atlantic + D class –
Skegness – Mersey + D class –
Hunstanton – Atlantic + hovercraft –
Wells – Mersey + D class –
Sheringham – Atlantic –
Cromer – Tamar + D class –
Happisburgh – Atlantic + D class –
Gorleston – Trent + Atlantic –
Lowestoft – Tyne –
South Broads – D class + XP –
Southwold – Atlantic –

Independent

Mundesley – 4 metre RIB –
Sea Palling – 5.7 metre RIB –
Hemsby – 5.7 metre RIB + aluminium dory –
Caister – Valentijn + 4.7 metre RIB –

2. What CRTs does Yarmouth control; type of CRV and are they cliff, search, mud or other?

Donna Nook – search, 4x4
Mablethorpe – search, 4x4
Chapel St Leonards – search, 4x4
Skegness – search, 4x4
Wrangle – personal safety equipment
Sutton Bridge – search 4x4
Hunstanton – cliff, 4x4
Wells – search, 4x4
Cley – search, 4x4
Sheringham – , 4x4 cliff
Cromer – cliff, 4x4
Mundesley – cliff, 4x4
Happisburgh – enhanced search, 4x4
Winterton – cliff, 4x4
Gorleston – search, 4x4
Lowestoft/Southwold –cliff, 4x4

3. Name the SOs of the above with Sector Managers.

Lincs SM –

Donna Nook –
Mablethorpe –
Chapel St Leonards –
Skegness –
Wrangle – vacant (
Sutton Bridge -

North Norfolk SM –

Hunstanton –
Wells –
Cley –
Sheringham –
Cromer –
Mundesley –

Yarmouth SM –

Happisburgh –
Winterton –
Gorleston –
Lowestoft/Southwold –

4. Name all the air assets we can call on.

R125/5 from Wattisham, R128/9 from Leconfield,
De Hooy, Koksijde.

5. Who does MRCC Yarmouth liaise with in Europe?

RCC Den Helder, RCC Bremen, RCC Aarhus.

6. Name and location of all RRS.

Mablethorpe (Trusthorpe), Skegness, Guy's Head (Sutton Bridge), Langham
(Cockthorpe, North Norfolk), Trimingham (Northrepps/Overstrand), Yarmouth (roof of
MRCC), Lowestoft, Stoke Holy Cross (West Poringland, South of Norwich).

7. Name of CSM and DAOs.

CSM =, DAOs =

8. What Police, Fire and Ambulance Authorities does Yarmouth work with?

Police = Lincs, Norfolk, Suffolk, Cambs.
Fire = Lincs, Norfolk, Suffolk, Cambs.
Ambulance = East Anglia, East Midlands.

9. Name the main Ports that have Harbour Masters.

Sutton Bridge, Wisbech, Boston, Kings Lynn, Wells, Great Yarmouth, Lowestoft, Brancaster, Southwold(?).

10. Why is the Wash unique when it comes to buoyage?

Managed by the local Port Authorities and not Trinity House

11. Name the Windfarms that are operational in the District.

Scroby Sands, Gabbard, Lynn and Inner Dowsing, coming soon Sheringham,

12. Where are the control rooms for the above?

Scroby Sands, Great Yarmouth
Gabbard, Lowestoft
Sheringham, Wells

13. Where are the NCI/SSG lookouts?

NCI = Mablethorpe, Skegness, Wells, Mundesley, Gorleston.
SSG = Sheringham, Happisburgh, Winterton, North Denes, Pakefield.

14. Where are the RAF Bombing Ranges?

Holbeach and Donna Nook.

15. What beaches have RNLI Lifeguards in the summer season?

Mablethorpe, Sutton-on-Sea, Skegness, Wells, Sheringham, Cromer, Mundesley, Sea Palling, Hemsby, Great Yarmouth, Gorleston.

16. What beaches have LA Lifeguards?

Lowestoft and Southwold. Hunstanton Beach Guards.

17. Where are the main small boat harbours/safe havens?

Southwold, Lowestoft, Great Yarmouth, Wells, Kings Lynn, Sutton Bridge, Boston, Wisbech. Fosdyke, Brancaster. Blakeney.

18. What is the main attraction and high casualty potential in North Norfolk?

Sandy beaches and seals, Persons cut off on sand banks, boats on lee shores.

19. Where is the Sunk Sand?

Off Old Hunstanton.

20. What comes into Bacton?

Gas pipelines from Offshore Installations, also connected to Belgium and Netherlands.

21. Where is the Scroby Sands?

East of Caister-on-Sea, Norfolk.

22. Where is the Roaring Middle?

In the middle of The Wash, Lynn Deep.

23. Where is Ingoldmells Point?

Approx. half way between Chapel and Skegness, Lincs.

24. Where is Jackson's Corner?

Between Ingoldmells and Skegness, Lincs.

25. Where is Horse Shoe Point?

North of North Somercotes, southeast of Haile Sand Fort.

26. Where is Saltfleet Haven?

Between North Somercotes and Mablethorpe.

27. Where is Moggs Eye?

North of Anderby Creek.

28. Where is Wolla Bank?

Between Anderby Creek and Chapel Point, Lincs.

29. Where is Gibraltar Point?

South of Skegness, north of Wainfleet Sands.

30. Where is Black Buoy Sand?

The Wash, at the mouth of the Welland and The Haven out of Boston..

31. What and where are the 'Doughnuts'?

Two artificial islands in the Wash east of Sutton Bridge.

32. What water sports are based in Hunstanton?

Power-boating, sailing, wind-surfing, kite-surfing, sea angling.

33. In Wells next the Sea what does the siren mean?

The tide is coming in and time to get off marshes.

34. Who is Brancaster Golf?

(DSO Wells), but **lives** in Brancaster and responds there with back-up of

35. Name the RSPB areas in the District.

Gibraltar Pt, Titchwell Marsh, Snettisham.

36. What type of Seals are found in the patch?

Common and grey seals.

37. Where is Ness Point?

Lowestoft, is the most Eastern point in UK.

38. Name the Piers in the District with locations.

Skegness; Cromer; Britannia Pier, Wellington Pier, North & South Harbour Piers (Great Yarmouth); North & South Harbour Piers, Claremont Pier (Lowestoft); Penny Pier, North & South Harbour Piers (Southwold).

39. How do people know where they are on Breydon Water?

Number and coloured posts.

40. What is the name of the towing company we often use?

Maffett towing using vessel "Titan".

41. What is Broads Beat?

Part of Norfolk Police who patrol/assist on the Norfolk Broads.

42. Who call out the Broads Authority in an emergency?

MRCC and Norfolk Police, each informing the other.

43. Who is River Dog?

Broads Authority River launch, used for patrol and assistance during April to October.

44. What lock is at Oulton Broad?

Mutford Lock

45. Name all the rivers with the location of where they exit to the sea.

Blyth, Southwold – Yare, Yarmouth, - Great Ouse, Kings Lynn, -

Nene, Sutton Bridge, - Welland, Fosdyke, - Witham, Boston.

46. What and where is the 'Stump'?

Church Steeple at Boston

47. Where does the sun set to the West?

Hunstanton

48. What Lifeboat would you send to Hickling Broad?

Hemsby Broads Rescue

49. Where are Eastern Sea Fisheries based?

Kings Lynn

50. What vessels can you call upon in the North Sea for a major emergency?

Offshore standby and supply vessels, Windfarm boats, passing merchant vessels, Warships, Trinity House vessels, HMCR vessels.