



LKE Syllabus

General Rules and Knowledge					
Subject		Detail		Level of Knowledge	Reference
1	1. PLA Regulations and Guidance	1.1	PLA Thames Byelaws	2	BL
		1.2	General Directions for Navigation in the Port of London	2	GD
		1.3	Port Information Guide	2	PIG
		1.4	Current Notice to Mariners	2	NtoM
		1.5	Passenger Vessels operations, Tideway code and Craft towage code	3	CofP
2	Awareness of other agencies	2.1	Port Health Authority, Environment Agency, RNLI, Maritime and Coastguard Agency, HM Coastguard, Fire Brigade and Marine Police Unit.	3	Port information guide
3	VTS & Communication Procedures	3.1	VTS Stations/ VHF Frequencies / Routine Broadcasts /Reporting Points (Waypoints)/ Local Traffic Control	2	GD 12 / PIG London VTS/ PLA Tide Tables / Charts
River Environment					
4	Tides	4.1	Find HW & LW for a given position	1	Tide Tables, PLA App
		4.2	Explain Under Keel and Air Draft clearance for a given time / position	2	Tide Tables, Charts
		4.3	Tidal Surges and Effect of Land Water	3	PLA Tide Tables, PLA tide predictions, Local Knowledge
Emergency Response					
5	Search and Rescue	5.1	Coastguard and TIRRs/RNLI stations and equipment / "Mayday2 & "Pan Pan" / Search and Rescue plans	2	Port Information Guide
6	Security	6.1	General security awareness	3	Domestic Safety Management Code / Met Police / TRANSEC (DFT)
Subject		Detail		Level of Knowledge	Reference

Margaretness to Putney				
7 Geography	7.1	Names and Locations of reaches, lights and points	1	Chart / Local knowledge
	7.2	Names and working arches of bridges working arches, piers, causeways, landing places and Heliports	1	Chart / Local knowledge
	7.3	Depths and arch heights of bridges	2	Chart, Tide table, PLA Website
	7.4	Names and Locations of locks dock, barriers, creeks, cuts and inlets	1	Chart / local knowledge
	7.5	Names and Locations of designated and prohibited anchorages	2	Chart / PLA Tide Tables
	7.6	Names and Locations of mooring buoys, tiers, and barge roads.	2	Chart / Local knowledge
	7.7	local marks - buoyage, daymarks, tide gauges	2	Chart
8 Dangers to Navigation	8.1	Shoals	1	Chart, PLA mini plots,
	8.2	Environmental impacts during passage.	2	Local Knowledge
9 Traffic Patterns	9.1	Traffic "Pinch Points".	2	Chart / Local Knowledge
	9.2	Types and timing of traffic expected in the area.	2	Local Knowledge
	9.3	The routine timing of the passage of " Reporting Vessels"	2	Local Knowledge
10 Currents and tidal Eddies	10.1	Tidal sets at bridges, piers and moorings	2	Local Knowledge
	10.2	Effect of barrier gate positions on navigation through the Thames Barrier	2	Local Knowledge
	10.3	Effect on height of tide and tidal stream when the Thames Barrier is closed	2	Local Knowledge
	10.4	Effect on height of tide and tidal stream caused by unusually high or low volumes of land water passing over the weir at Teddington	3	Local Knowledge

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11 Special PLA Regulations	11.1	Navigation in Thames Barrier Control Zone	1	GD 29 & PIG
	11.2	Requirement for lookouts	1	GD 15 & 16
	11.3	Wash and Draw off	1	BL 57
	11.4	Variation to Col Regs	1	BL 27, 34
	11.5	Large Vessels transiting to the west of Margarateness	1	GD28, PIG
	11.6	Special Signal Lights ("Isophase Lights")	1	GD 30
	11.7	Limitation on vessels towing	2	GD 25 Byelaw 35
	11.8	Sound Signals	1	BL Part 6
	11.9	Passenger Vessel additional markings	2	GD 6
	11.10	Bridge Light (main navigation arch, closed arch and reduced headroom signals)	1	BL 36, PIG Bridges 2.1
	11.11	Speed limit reductions and Certificate of Compliance.	2	BL 16, GD 18, PIG
	11.12	Awareness of possible enforcement actions	3	PLA Act108
	11.13	Special Direction	2	PLA Act 112,117,118
	11.14	Exclusion Zones	1	Charts, PIG 14 and 15

Key for Levels of Knowledge

1 Detailed

2 Working

3 Awareness