

APPENDIX H

ASSAULT CONVOY TABLE

I. EASTERN TASK FORCE

FORCE S

Convoy No.	Composition	Assembly Port and time of Departure	Escort	Arrival Lowering position
S1	1st M/S.F. 4 Danlayers 2 M.L. M/S 1 H.D.M.L.	Spithead H-17h.30m	H.M.S. SCORPION	H-4h.10m.
S2	15th M/S F. 4 Danlayers 2 M.L. M/S † H.D.M.L.*	Dover	5 M.T.B. H.M.S. SCOURGE* " SERAPIS* " MIDDLETON+ O.R.P. SLAZAK+	H-4h.50m
S3	2 L.C.P.(L) Nav. 1 L.C.H. 8 L.C.T.(D.D.) 3 L.C.G.(L) 10 L.C.P.(L) 3 L.C.S.(L)(2) 165th B.Y.M.S. Flot.	Spithead H-18h.45m	1 M.L.	H-2h.15m
S4	8 L.C.T.(A) 1 L.C.T.(C.B.) 1 L.C.A.(HR) 8 L.C.M.	Spithead H-21h.40m	I A/S Trawler 1 M.L.	H-1h.50m
S5	H.M.S. GOATHLAND H.M.S. ST. ADRIAN 1 L.C.H. 10 L.C.T.(AVRE) 4 L.C.F. 9 L.C.A.(HR) 5 L.C.T.(R) 18 L.C.T.(SP)	Spithead H-18h.15m	2 M.L.	H-1h.35m
S6	Bombarding Force D H.M.S. MAURITIUS H.M.S. WARSPITE H.M.S. RAMILLIES H.M.S. ARETHUSA O.R.P. DRAGON H.M.S. DANAR H.M.S. FROBISHER H.M.S. ROBERTS 40th M/S.F.	Clyde D - 3 (R.V.Off Portsmouth) Portsmouth	SAUMAREZ SWIFT STORD SVENNER ROWLEY HOLMES	H-2h.35m

* From Spithead: rendezvous S.E. of Isle of Wight.

+ Patrol in Channel 10 between 15th and 40th M/S Flotillas.

FORCE S (Contd.)

Convoy No.	Composition	Assembly Port and time of Departure	Escort	Arrival Lowering position
S7	H.M.S. LARGS 4 L.S.I. (L) 1 L.S.I. (S) 1 L.S.I. (H) 1 L.C.I. (S) 1 H/S Launch 3 U.S.C.G.C.	Spithead H-9h.45m	H.M.S. VIRAGO " VERULAM " KELVIN " EGLINTON 5 M.T.B.	H-1h.55m
S8	23 L.C.T. 3 L.C.I. (L)	Spithead H-17h.15m	1 M.L.	H-50m
S9	22 L.C.I. (S) 1 U.S.C.G.C.	Spithead H-9h.20m	H.M.S. STORK	H+20m
S10	H.M.S. DACRES 9 L.C.I. (L) 29 L.C.T. 1 U.S.C.G.C.	Newhaven H-18h.25m	H.M.S. EN AVANT " NORTHER WAVE 1 M.L.	H+1h.25m
S11	14 L.C.I. (L) 1 U.S.C.G.C.	Newhaven H-16h.15m	H.M.S. TORRINGTON 1 M.L.	H+2h.25m
S12	H.M.S. LOCUST 24 L.C.T. 9 L.C.I. (L) 1 U.S.C.G.C.	Spithead H-12 35m	H.M.S. CLOVER 1 M.L.	H+3h.36m
S13	F.D.T. No.217 5 L.S.T. Towing 5 Rhino 2 H/S.L. (R.A.F.) 2 Drakes (R.A.S.C.)	Spithead H-12h.	H.M.S. CAMPBELL H.M.S. NORTHERN GEM H.M.S. NORTHERN GIFT	H+4h.
S14A	4 L.S.T. Towing 4 Rhino	Spithead H-6	H.M.S. NORTHERN REWARD H.M.S. HUGH WALPOLE	H+10h.40m
S14B	5 L.S.T. 8 L.C.I. (L) HIKER I	Spithead H+30m	H.M.S. LAVENDER	H+10h.40m
S15	3 L.S.T.	Spithead H+4h.30m	H.M.S. PENNYWORT	H+15h.20m
S16	5 L.S.T. 1 L.C.I. (L)	Spithead D-day, 2030	101st EG	D+1 0700
S17	2 L.C.I. (L)	Spithead	143rd EG.	

FORCE S (Contd.)

Convoy No.	Composition	Assembly Port and time of Departure	Escort	Arrival Lowering position
<u>BUILD-UP SQUADRONS, MINOR LANDING CRAFT</u>				
S.M.1	5 L.B.F. 9 L.B.V.	Langstone	2 M.M.S.	D-day 2nd H.W.
S.M.2	3 L.C.M. Flots. All L.C.V.P. not lifted by L.S.T.	Langstone Chichester		D-day night fall
S.M.3	27 L.B.V. 3 L.B.E. 2 L.B.W. 12 L.B.O. 5 Fuelling Trawlers	Langstone Dover*	H.M.S. ARMERIA	D-day. night fall
S.M.4	6 L.B.E. 2 L.B.W. 4 L.B.O. 2 L.B.K.	Langstone	1 M.M.S. Corvette on completion of S.M.3.	D+1

* Rendezvous off Langstone.

ASSAULT CONVOY TABLE (Contd.)

FORCE J

Convoy No.	Composition	Assembly Port and Time of Departure	Escort	Arrival Lowering Position
J.1	9th F.M/S Flot. 4 Danlayers 3 M/S M.L. 1 H.D.M.L. 1st Div: 159th B.Y.M.S.* Flot.	Solent H-18h.45m	H.M.S. FAULKNER* H.M.S. FURY	H-4h.5m
J.2	7th F.M/S Flot. 4 Danlayers 3 M/S M.L. 1 H.D.M.L. 2nd Div: 159th B.Y.M.S. Flot. /	Solent H-19h.15m	H.M.S. SIOUX / H.M.S. VIGILANT	H-4h.35m
J.3	8 L.C.T.(3)D.Ds. 2 L.C.P.(SY) 9 L.C.P.(L) 1 L.C.H.(D/S.O.A.G.) 1 L.C.F.	Solent H-16h.20m.	1 M.L.	H-1h.40m
J.4	8 L.C.T.(3)D.Ds. 1 L.C.P.(SY) 10 L.C.P.(L) 1 L.C.H. 6 L.C.P.(L) smoke	Solent H-16h.20	1 M.L.	H-1h.40m
J.5	10 L.C.T.(5) 7 L.C.T.(A) 3 L.C.M. 2 L.C.F. 3 L.C.G. 1 L.C.H. 12 L.C.P. 9 L.C.A(H.R.) (towed)	Solent H-23h.30m	2 M.L.	H-1h.10m
J.6	10 L.C.T.(5) 9 L.C.T.(A) 3 L.C.M. 2 L.C.F. 4 L.C.G. 1 L.C.H.+	Solent H-20h.10m	1 M.L.	H-1h.10m
J.7	15 L.C.T.(4) (S.P.Arty.) 4 L.C.T.(R) 2 L.C.S.(L) (1)	Solent H-17h.0m	H.M.S. WRESTLER 2 M.L.	H-1h.10m
J.8	16 L.C.T.(4) 4 L.C.T.(R) 2 L.C.S.(L) 1	Solent H-17h.0m	H.M.S. BEAGLE 2 M.L.	H-1h.00m

* At H-7h.10m. destroyers and B.Y.M.S. to reverse course and proceed to northward to meet convoy J.3.

/ At H-7h.40m. destroyers and B.Y.M.S. to reverse course and proceed to the northward to meet convoy J.4.

FORCE J (Contd.)

Convoy No.	Composition	Assembly Port and time of Departure	Escort	Arrival Lowering position
J.9	H.M.S. LAWFORD 10 L.S.I. 3 M.G.B. 2 U.S.C.G.	Solent H-9h.15m	H.M.S. STEVENSTONE H.M.S. VENUS F.F.S. LA COMBATTANTE	H-1h.30m
J.10	H.M.S. WAVENEY 8 L.S.I. 3 M.G.B. 2 U.S.C.G.	Solent H-9h.15m	H.M.S. KEMPENFELT H.M.S. BLEASDALE N.Nor. M.S. GLAISDALE	H-1h.30m
J.11	H.M.S. HILARY 10 L.C.I.(S) 1 U.S.C.G. 3 L.C.S.(L) (2)	Solent H-12h.0m	H.M.C.S. ALGONQUIN 1 C.M.B. 2 M.T.Bs.	H-1h.45m
J.12	12 L.C.T. 3 L.C.I.(L)	Solent H-15h.30m	1 M.L.	H-0h.10m.
J.13	7 L.C.T.(4) 3 L.C.I.(L)	Solent H-15h.30m	1 M.L.	H-0h.10m
J.14	ROYAL ULSTERMAN 12 L.C.I.(L) 20 L.C.T. 4 L.C.T.(3) 2 L.C.F. 1 L.C.F. 1 L.C.T.(R) 1 U.S.C.G.	Solent H-14h.55m	H.M.S.VERSATILE 1 M.L.	H-0h.30m
J.15	12 L.S.T. 12 Rhinos 1 Naval Fire Boat	Solent H-11h.30m	H.M.S. PETUNIA H.M.S. CLARKIA H.M.S. PINK H.M.S. NORTHERN FOAM 1 M.L.	H-4h.0m
J.16	10 L.S.T. 3 Rhinos	Solent H-8h.30m	H.M.S. NORTHERN SUN H.M.S. NORTHERN SPRAY H.M.S. NORTHERN PRIDE H.M.S. VELETA H.M.S. LORD AUSTIN	H-7h.0m
<u>BUILD-UP SQUADRONS, MINOR LANDING CRAFT</u>				
J.M.1	5 L.B.F. 9 L.B.V.	LANGSTONE	2 M.M.s.	D-day 2nd H.W.
J.M.2	6 L.C.M. Flots. All L.C.V.P. not lifted by L.S.T.	CHICHESTER	-	D-day nightfall
J.M.3	33 L.B.V. 6 L.B.E. 2 L.B.W. 18 L.B.O. 9 Fuelling Trawlers	LANGSTONE NORE*	H.M.C.S. NIMICO	D-day nightfall
J.M.4	9 L.B.E. 2 L.B.W. 6 L.B.O. 2 L.B.K.	LANGSTONE	1 M.M.S. corvette on completion of J.M.3	D + 1

* Rendezvous off LANGSTONE

ASSAULT CONVOY TABLE (Contd.)

FORCE G

Convoy No.	Composition	Assembly Port and time of Departure *	Escort	Arrival Lowering position
G1	6th F.M/S Flot. 4 Danlayers. 1st Div. 150th B.Y.M.S. Flot.	W. Solent. 1320 5/6	H.M.S. CATTISTOCK O.R.P. KRAKOWIAK 4 M.L. 2nd Div. 55th M.T.B. Flot.	0305 6/6
G2	18th F M/S Flot. 3 Danlayers. 2nd Div. 150th B.Y.M.S. Flot.	W. Solent. 1250 5/6	H.M.S. PYTCHLEY H.M.S. COTTESMORE 3 M.L.	0235 6/6
G3	8 L.C.T.(3) 1 L.C.H. 3 L.C.G.(L) 2 L.C.S.(L) 2 L.C.P.(Sy) 6 L.C.P.(L) 2 L.C.P.(A)	W. Solent. 0945 5/6	H.M.S. HIND	0515 6/6
G4	8 L.C.T.(3) 1 L.C.H. 6 L.C.P.(L) 3 L.C.G.(L) 2 L.C.S.(L) 2 L.C.P.(A) 1 L.C.P.(Sy)	W. Solent. 0955 5/6	H.M.S. MAGPIE	0515 6/6
G5	8 L.C.T.(A) 6 L.C.T.(4) 3 L.C.F. 1 L.C.H. 9 L.C.A.(H.R.)**	W. Solent. 1020 5/6	H.M.S. BOMBARDIER H.M.S. REDPOLE	0545 6/6
G6	8 L.C.T.(A) 6 L.C.T.(4) 4 L.C.F. L.P.P.(L) L.C.H.187 9 L.C.A.(H.R.)**	W. Solent. 1030 5/6	H.M.S. SAPPER 1 M.L.	0545 6/6
G7	4 L.C.T.(R) 2 L.C.T.(4) 2 L.C.T.(3) 3 L.C.T.(4)	W. Solent. 1045 5/6	H.M.S. GRENADEER 2 M.L.	0610 6/6
G8	4 L.C.T.(R) 6 L.C.T.(4)	W. Solent. 1055 5/6	H.M.S. LANCER 1 M.L.	0605 6/6
G9	H.M.S. BULOLO 4 L.S.I. H.M.S. NITH 2 L.C.I. 3 M.L. Yacht DIANA 1 R.R.B. 2 Rescue Craft.	W. Solent. 1925 5/6	H.M.S. JERVIS H.M.S. URANIA H.M.S. ULYSSES	0455 6/6

* From Needles.

** Towed by L.C.T.(4) and L.C.F.

FORCE G (Contd.)

Convoy No.	Composition	Assembly Port and time of Departure	Escort	Arrival Lowering position
G10	H.M.S. KINGSMILL 4 L.S.I. 2 M.L. 2 R.R.B. 2 Rescue Craft.	W. Solent. 1935 5/6	H.M.S. URSA H.M.S. UNDAUNTED	0455 6/6
G11	30 L.C.T.(4) 1 L.S.T.* 1 M.L. 7 L.C.M.	W. Solent. 1500 5/6	H.M.S. FUSILIER F.F.S. LA DECOUVERTE	0715 6/6
G12	Bombarding Force K. H.M.S. ORION H.M.S. AJAX H.M.S. ARGONAUT H.M.S. EMERALD H.N.M.S. FLORES	(Clyde) 3/6 (Portsmouth) 5/6	H.M.S. GRENVILLE H.M.S. UNDINE	0430 6/6
G13	27 L.C.T.(4) 3 L.C.T.(3) 1 L.S.T.* 2 M.L. F.D.T. No.13 8 L.C.M.	W. Solent. 1445 5/6	H.H.M.S. TOMPAZIS H.M.S. VICTRIX H.M.S. BURDOCK	0700 6/6
G14	Bombarding Force E. H.M.S. BELFAST H.M.S. DIADEM	(Clyde) 3/6	H.M.S. ULSTER H.M.S. URCHIN	0435 6/6
G15	10 L.C.I.(L) 2 Rescue Craft	W. Solent. 2245 5/6	H.M.S. BLANKNEY	0840 6/6
G16	H.M.S. ALBRIGHTON 9 L.C.I.(L) 2 Rescue Craft	W. Solent. 2225 5/6	H.M.S. HAMBLEDON	0840 6/6
G17	10 L.S.T.* 1 Rescue Craft	W. Solent. 1825 5/6	H.H.M.S. KRIEZIS	1010 6/6
G18	12 L.S.T.* 1 Rescue craft	W. Solent. 2105 5/6	F.F.S. LA SURPRISE	1410 6/6
<u>BUILD-UP SQUADRONS, MINOR LANDING STAFF</u>				
G.M.1	5 L.B.F. 12 L.B.V.	Chichester	2 M.M.S.	D-Day 2nd H.W.
G.M.2	6 L.C.M. Flots. All L.C.V.P. not lifted by L.S.T.	Hamble River Beaulieu	-	D-Day nightfall
G.M.3	30 L.B.V. 6 L.B.E.) 2 L.B.W.) 15 L.B.O.) 7 Fuelling Trawlers 4 P.B.R. (Military)	Yarmouth, I.O.W. Chichester Dover**	H.M.C.S. ALBERNIE	D-Day nightfall
G.M.4	6 L.B.E. 2 L.B.W. 5 L.B.O. 2 L.B.K.	Yarmouth, I.O.W.	1 M.M.S. Corvette on completion of G.M.3	D + 1

* Towing Rhino
** Rendezvous off Langstone.

FORCE L

Convoy No.	Composition and destination (Beach)	Assembly Port and time of Departure	Escort	Arrival at Lowering position
L1	6 L.S.T.(2)* Mike 5 L.S.T.(2)* Nan 7 L.C.I.(L) Mike	Thames 1040 5/6 "	H.M.S. COTSWOLD H.M.S. NARCISSUS H.M.S. OXLIP	1625 6/6
	1 L.S.D. - 12 Stores (4 Jig/ Coasters (King (2 Mike (2 Nan (4 Queen	Portsmouth " "	H.M.S. DAMSAY H.M.S. AVONDALE 143rd M.M.S. Flot. (from I. of Wight)	
	2 L.C.I.(L) Mike 3 L.S.T.(2) Mike	" "		
L2	2 L.S.T.(2) Jig 5 L.S.T.(2) King	Harwich 0925 5/6	H.M.S. VIVACIOUS H.M.S. CHELMER H.M.S. MIGNONETTE M.L.491	1855 6/6
L3	9 L.S.T.(2)* Mike 6 L.S.T.(2)* Nan 3 L.S.T.(1) Nan 16 L.C.T.(3) Jig	Harwich 1010 5/6	H.M.S. HALSTEAD H.M.S. CLEMATIS H.M.S. GODETIA H.M.S. FLARAY H.M.S. GAIRSAY M.L.901, 909	2255 6/6
L4 (Convoy E.T.L.1)	8 L.S.T.(2)+ Jig 4 L.S.T.(2) King 24-30 L.C.T.(9 King) (3) (15Jig)	Harwich 1055 5/6	H.M.S. MONTROSE H.M.S. WHITSHED H.M.S. BORAGE H.M.S. LOOSESTRIFE M.L.119	2355 6/6
L5 (Convoy E.T.M.1)	9 L.C.I.(L) Queen 6 M.T.Ships Jig/ King 6 M.T.Ships Mike/ Nan 5 L.S.T.(2) Queen 1 L.C.I.(L) Mike H.M.S. FRATTON H.M.S. HASELMERE	Thames Portsmouth	H.M.S. GARTH H.M.S. MEYNELL H.M.S. CAMELIA H.M.S. CHARLOCK M.L.112	0840 7/6

* Manned by U.S.
+ 7 manned by U.S.
/ 1 manned by U.S.

ASSAULT CONVOY TABLE

II WESTERN TASK FORCE

FORCE O

Convoy Group	Composition	Assembly Port	Departure	Arrival off Omaha Beach
Group 1 (O.1)	U.S.S. ANCON (Flag)	Portland	D - 1	D - day 0251
	15 Transports			
	33 L.C.I.(L)	Weymouth	D - 1	
	2 L.C.H.			
	7 Fleet Destroyers (U.S.)	Portland	D - 1	
	2 Escort Destroyers (U.S.)			
	10 U.S.C.G.			
	U.S.S. TEXAS*	Belfast	D - 2	
	U.S.S. ARKANSAS*		(3rd June)	
	H.M.S. GLASGOW*			
	F.F.S. MONTCALM*			
	F.F.S.G. LEYGUES*			
	3 Hunt Destroyers (Br.)	Portland	D - 1	
Group 2 (O.2)	1 L.C.I.(L)	Portland	D - 1	D - day H - 4
	11 L.S.T.	Poole		
	10 R.H.F.			
	2 L.C.H.			
	7 L.C.F.			
	5 L.C.G.(L)			
	9 L.C.T.(R)			
	2 L.C.T.(4)			
	16 L.C.T.(DD)			
	16 L.C.T.(A) (HE)			
	10 L.C.T.(Sp)			
	103 L.C.T.			
	5 L.C.C.			
	9 H.M.Seaplane Tenders			
	6 L.C.M.(CRU)			
	36 L.C.M.(N.C.D.U)			
	28 L.C.P.(L) (Smoke)			
	1 U.S.Destroyer			
	2 British Destroyers			
	2 F.F. Frigates			
	9 P.Cs.			
	6 S.C.			
	8 M.Ls.			
Group 3 (O.3)	14 L.S.T.	Portland	D - 1	D - day H + 9
	10 R.H.F.			
	8 Stores Coasters			
	6 S.G.B.			
	2 M.T.B.			
5 U.S.C.G.				

* Rendezvous with Convoy O1 off St. Albans Head at approximately H - 13 hours.

FORCE O (Contd.)

Convoy Group	Composition	Assembly Ports	Departure	Arrival off Omaha Beach
<u>Group 4</u> (O.4)	6 L.C.M. (CRU) 60 L.C.M. 36 L.B.V. (2) 3 L.B.W. 9 Fuelling Trawlers 8 L.B.E. 2 M.L.	Poole	D - 1	D - Day H + 12
<u>Group 5</u> (O.5)	23 L.C.M. 36 L.B.V. (2) 6 L.B.O. 2 L.B.K. 3 Fuelling Trawlers 8 L.B.E. 2 M.L.	Poole	D - Day	0700, D + 1
<u>Group 6</u> (U.B.1)	6 Ammunition Barges (Force O) 4 Ammunition Barges (Force U) 5 Tugs 2 A/S Trawlers	Exmouth	0500 0500 D - Day	1700, D + 1
<u>Group 7</u> (U.B.2)	4 Ammunition Barges (Force O) 2 Ammunition Barges (Force U) 3 Tugs 2 A/S Trawlers	Exmouth	0030 D + 1	1200 D + 2
<u>Group 8</u> (U.B.3)	4 Ammunition Barges (Force O) 2 Ammunition Barges (Force U) 3 Tugs 2 A/S Trawlers	Exmouth	2200 D + 1	A.M. D + 3
<u>Group 9</u> (Salvage O)	2 A.T.S. 1 A.T.R.	Falmouth	D - 1	D - Day H - Hour

ASSAULT CONVOY TABLE (Contd.)

FORCE U

Convoy No.	Composition	Assembly Port	Departure	Arrival off UTAH Beach	
U 1 A	U.S.S. BAYFIELD (Flag)	Plymouth	H-20 hr.	0229 6 June	
	1 Destroyer		0930		
	1 P.T.	Belfast	5 June		
	U.S.S. NEVADA		H-44 hr.		
	" TUSCALOOSA		1030		
	" QUINCY		3 June		
	H.M.S. HAWKINS		Dartmouth		H-17 hr.
	" ENTERPRISE				1230
	" BLACK PRINCE	5 June			
	4 Destroyers	Tor Bay	5 June		
	2 L.C.H.				
	2 P.C.	Weymouth	H-13 hr.		
	2 A.P.A.		1730		
	1 L.S.I.		5 June		
2 Destroyers	Poole	5 June			
H.M.S. EREBUS					
2 U.S.C.G.C.					
U.1 B	14 L.C.I.(L)	Plymouth	1500	1730 6 June	
	2 Y.M.S.		5 June		
	1 Destroyer	Salcombe	1635		
	17 L.C.I.(L)		5 June		
	1 S.C.		5 June		
	5 L.C.I.(L)	Torquay	1815		
	4 U.S.C.G.C.	Poole	5 June		
2055					
5 June					
U 2A(1)	1 L.C.I.(L)	Salcombe	1653	0230 6 June	
	4 L.C.F.		3 June		
	4 L.C.T.(R)	Dartmouth	1743 3 June		
	4 L.C.G.				
	8 L.C.T.(A)				
	3 M.L.				
	16 L.C.P.(L)				
	16 L.C.T.				
	4 L.C.C.				
	50 L.C.M.				
	2 P.C.				
	1 S.C.				
	3 L.C.M.(Salvage)	Portland	0430		
	1 Destroyer	Plymouth	4 June		
			1700		
	U 2A(2)	1 L.C.I.(L)	Dartmouth		2058	0330 6 June
1 P.C.			3 June		
85 L.C.T.		Brixham	1833 3 June		
1 S.C.					
51 L.C.T.					
2 P.C.		Plymouth	1515 3 June		
1 S.C.					
1 P.G.					
2 Destroyers					
5 Y.M.S.					
1 A.T.					

FORCE U (Contd.)

Convoy No.	Composition	Assembly Port	Departure	Arrival off UTAH Beach			
U 2B	2 Destroyers	Plymouth	1430	0200 6 June			
	1 A.T.		3 June				
U 3	1 A.T.R.	Dartmouth	1543	1430 5 June			
	5 L.S.T.		3 June				
	5 R.H.F.		0605 5 June				
	11 L.S.T.		0830				
	1 R.H.F.		5 June				
U 4	1 Destroyer	Tor Bay	At Pt.D.	1430 5 June			
	4 U.S.C.G.C.		1004				
	2 Corvettes		5 June				
	2 A/S Trawlers		At Pt.F				
	4 U.S.C.G.C.		5 June				
	U 5		9 L.S.T.		Salcombe	1930	0900 7 June
			8 Pontoon Causeways			5 June	
			8 Blisters			1930	
			1 Repair Barge			5 June	
			3 A/S Trawlers			1930	
U 6	18 L.B.V.	Yarmouth	1630	1630 6 June			
	20 L.B.O.		5 June				
	4 L.B.E.		1600				
	3 L.B.W.		5 June				
	20 L.C.M.		1430				
	5 Fuelling Trawlers		5 June				
U 7	2 M.L.s	Poole	1430	1030 7 June			
	18 L.B.V.		0530				
	M.L.190		5 June				
	4 L.B.E.		0500				
UM 1	2 L.B.K.	Poole	5 June	0330 6 June			
	2 M.L.		0500				
	11 Y.M.S.		2400				
	8 M.M.S.		4 June				
UM 2	11 A.M.	Tor Bay	0632	0040 6 June			
	6 P.T.		5 June				
	4 M.L.		1130				
UM 3	8 F.M.	Portland	5 June	0330 6 June			
	4 Dan Layers		1715				
	7 H.D.M.L.		4 June				
	3 P.T.s		0400				
	4 M.L.		5 June				
UM 4	8 F.M.	Plymouth	2300	2130 5 June			
	4 M.L.		4 June				
	3 P.T.s		1000				
UM 5	8 F.M.	Portland	5 June	2130 5 June			
	3 P.T.s		5 June				

APPENDIX H(1)

BUILD-UP

- I. Organisation and Allocation of Escorts
 II. Initial outward Convoy Programme

I. ORGANISATION AND ALLOCATION OF ESCORTS

Escort Group No.	Ships	Allocation		Remarks
		Assault Phase	Base during Build-Up	
101	GARTH MEYNELL CAMELIA CHARLOCK 1 or 2 M.L.	Convoy ETM1	Nore	
102	MACKAY SOUTHDOWN POTENTILLA VERVAIN 1 or 2 M.L.	Convoy ETM2	Nore	Plus POPPY and STATICE for first trip.
103	CAMPBELL VIVACIOUS CLOVER PENNYWORT 1 or 2 M.L.	Force S " L " S " S	Nore	
104	MONTROSE WHITSHED BORAGE LOOSESTRIFE 1 or 2 M.L.	Convoy ETL4	Nore	
105	WANDERER TAVY DIANELLA GERANIUM 1 or 2 M.L.	Convoy EBM2	Falmouth	Plus SUMMERSIDE from 144th E.G., WOOD- STOCK, and REGINA for first trip.
106	STRULE VANQUISHER ABELIA BALSAM 1 or 2 M.L.	Convoy EBM3	Falmouth	Plus GWEAL and CALDY from 141st E.G. to Start Point and MOOSEJAW and PORT ARTHUR for first trip.
107	HARGOOD DEVERON EGLANTINE ACANTHUS 1 or 2 M.L.	Convoy EBM1	Falmouth	Plus LOTUS, HEATHER and GENTIAN to Spithead.
108	L'AVENTURE L'ESCAAMOUCHE ACONIT RENONCULE 1 or 2 M.L.	Force 0 " 0 " B " B		

I. ESCORTS (contd.)

Escort Group No.	Ships	Allocation		Remarks
		Assault Phase	Base during Build-Up	
111	PELICAN LAWING NARBOROUGH RUPERT MENDIP	} Convoy EBP1	} Plymouth	
112	HIND MAGPIE HAMBLETON SPRAGGE STOCKHAM	Force G " G " G Convoy EBP2 " "	} Plymouth	
113	HART WIMBREL BLENCATHRA WHITAKER WALDEGRAVE	} Convoy EBP2	} Plymouth	
114	LARK CRANE BLANKNEY CHELMER TORRINGTON	Convoy ETP1 " " Force G " L " S	} Portsmouth	
115	FORESTER KITE QUORN TYLER SEYMOUR	} Convoy ETP1	} Portsmouth	
116	STORK REDPOLE HOTHAM DUFF EGLINTON	Force S. " G. } Mulberries Force S.	} Portsmouth	WOODCOCK originally of E.G.116 was damaged in collision, 27/5/44.
121	VERSATILE PETUNIA 1 M.L.	} Force J	} Portland	
122	BEAGLE CLARKIA 1 M.L.	} Force J	} Portland	
123	WRESTLER PINK 1 M.L.	} Force J	} Portland	
124	LAVENDER 2 M.L.	} Force S	} Portsmouth	
125	KRIEZIS 2 M.L.	} Force G	} Portsmouth	
126	TOMPAZIS 2 M.L.	} Force G	} Portsmouth	

I. ESCORTS (contd.)

Escort Group No.	Ships	Allocation		Remarks
		Assault Phase	Base during Build-up	
131	FERNIE KINGCUP 2 M.L.	Convoy ETC1, then EWC1B and ETC3	Nore	Plus WALLFLOWER, BERN, PRIMROSE till after ETC1.
132	WINDSOR STARWORT 2 M.L.	Convoy ETC2Y	Nore	Plus BUTTERCUP and M.M.S. for first trip.
133	WALFOLE ORCHIS 2 M.L.	Convoy ETC1 to Beachy Head, then ETC3	Nore	
134	COTSWOLD NARCISSUS 2 M.L.	Force L	Nore	
135	HALSTEAD CLEMATIS 2 M.L.	Force L	Nore	
136	KEPPEL ROSELYS GRIMSBY TOWN CAMBRIDGESHIRE	Convoys EBC1 and EWC1A	Milford Haven	Plus GRASSHOLM and NEAVE with EBC1 to I.O.W.
137	WALKER HONEYSUCKLE LA NANTAISE LINCOLNSHIRE	Convoy EBC2	Milford Haven	Plus RUBY and KINGSTON ANDALUSITE from 144th E.G.
138	WATCHMAN LINDSAY SCALPAY GANILLY	Convoy EBC3	Milford Haven	
139	WHITEHALL RHODODENDRON SKOMER ULVA	Convoy EBC1 then EBC4	Milford Haven	
140	VIDETTE DAHLIA HERSCHELL STEEPHOLM	Force O Convoy EBC2Y and EBC2Z	Milford Haven	
141	VIMY KITCHENER GWEAL CALDY	Force B Convoy EBM3	Milford Haven	

I. ESCORTS (contd.)

Escort Group No.	Ships	Allocation		Remarks
		Assault Phase	Base during Build-up	
142	VESPER AZALEA GRASSHOLM NEAVE	) Force O) Convoy) EBC1	) ) Milford) Haven	
143	BOADICEA BLUEBELL CORNELIAN PEARL	) Convoy) ECL1	) Milford) Haven	Plus ELLESMERE for first trip.
144	VOLUNTEER SUMMERSIDE RUBY KINGSTON ANDALUSITE ELLESMERE	Force B Convoy EBM2) Convoy) EBC2 Convoy ECL1	) ) ) Milford) Haven))	
152	HEATHER GENTIAN ROSE	) Convoy) EBM1	) ) Portsmouth	
153	DRUMHELLER MAYFLOWER LOUISBURG NASTURTIUM RIMOUSKI TRENTONIAN	) ) Corncobs ) )	) ) Portsmouth)	
154	DAKINS SWEETBRIAR SUNFLOWER 1 M.M.S. OXLIP	) Convoy) ETC2Z) Force L	) ) Nore))	
155	NOTRE DAME DE FRANCE LORD WAKEFIELD LORD ESSENDON	) Convoy) EBC2Y )	) ) Plymouth)	On completion of return trip disbanded as a group and became spares.
		<u>NOT IN GROUPS</u>		
	STATICE POPPY	) Convoy ETM2)))	
	BUTTERCUP	Convoy ETC2Y	) Nore	
	GODETIA MIGNONETTE	) Force L)))	
	LA COMBATTANTE VELETA	) ) Force J	) ) Portsmouth	
	LORD AUSTIN))	

I. ESCORTS (contd.)

Escort Group No.	Ships	Allocation		Remarks
		Assault Phase	Base during Build-up	
		<u>NOT IN GROUPS</u>		
	COTTESMORE	} Force G	}	CAMPANULA assigned to S.N.O. PLUTO after assault.
	CAMPANULA			
	FUSILIER			
	VICTRIX	} Force S	}	
	NORTHERN REWARD			
	HUGH WALPOLE			
	WALLFLOWER	} Convoys ETC1 and EWC1B	}	
	PRIMROSE			
	BERNE			
	WOODSTOCK	} Convoy EBM2	}	
	REGINA			
	MOOSEJAW			
	PORT ARTHUR	} Convoy EBM3	}	
	CELANDINE			
	DIANTHUS			
	BADDECK	} Convoy EBC2Y	}	
	CAMROSE			
	LUNENBERG			
	PRESCOTT	} Mulberries	}	
	CALGARY			
	ARMERIA			
	MIMICO	} E.T.F. Fuelling Craft	}	
	ALBERNI			
	BURDOCK			
	ROCHESTER	} F.D.T.13	}	
	LONDONDERRY			
	SCARBOROUGH			
			Portsmouth	
				ROCHESTER, LONDONDERRY, SCARBOROUGH, Coastal Force Control ships after assault.

I. ESCORTS (contd.)

Escort Group No.	Ships	Allocation		Remarks
		Assault Phase	Base during Build-up	
		<u>NOT IN GROUPS</u>		
	QUADRILLE	} Spare	} Portsmouth	
	SWITHA			
	ANNET			
	ASIE	} Corncobs	} Plymouth	
	LORD STANHOPE			
	LA DECOUVERTE			
	LA SURPRISE	} Force G		

II. INITIAL OUTWARD CONVOY PROGRAMME

Note (i) The following programme completed the initial outward convoys due to arrive in the Assault Area up to and including D+3. Thereafter the daily cycle planned was represented by convoys marked *.

Note (ii) "Neptune" Convoys were designated by three self-evident letters and a serial number, as follows:-

1st Letter. Country of departure.

E - England.

F - France.

2nd Letter. Area of arrival or departure in United Kingdom.

T - Thames.

C - Cornwall and Devon.

X - Newhaven (Sussex).

W - Isle of Wight Area.

B - Bristol Channel.

M - Miscellaneous.

P - Portland.

3rd Letter. Nature of Convoy.

P - Personnel.

L - L.S.T.

M - M.T. Ships.

C - Coasters.

Example, E.T.P.1 - 1st Personnel ship convoy from the Thames.

Ships joining outward bound convoys from south coast ports or leaving homeward bound convoys for these ports were indicated by the appropriate self-evident letter as a suffix.

Example, E.T.M.4W - Ships from I.O.Wight Area joining 4th M.T. Ship convoy from the Thames.

Suffixes Y and Z denote different sections of a Convoy which owing to its large size was sailed in two sections, and convoys sailing direct from the Isle of Wight area to France were given suffixes A or B, according to whether the destination was the American or British area.

II. INITIAL OUTWARD CONVOY PROGRAMME (contd.)

Convoy No.	Composition (approximate)	Assembly Area and date of departure	Escort	Arrive	Remarks
EBC1	23 stores coasters 1 A.S.I.S.	Bristol Channel D - 3	136th E.G. +2 Trawlers	I.O.Wight Area, 2200, D - 1, for servicing. France, D+2, D+3.	Pre-loaded stores coasters.
ETC1	6 Eagle Ships 1 A.S.I.S.	Thames D - 2	131st E.G. +2 Corvettes, 1 Trawler. 133rd E.G. as far as Beachy Head.	I.O.Wight Area, 2000, D - 1, for servicing France D+2, D+3.	
EBM1	34 empty M.T. ships	Irish Sea D - 2	107th E.G. 152nd E.G.	I.O.Wight Area, 1200, D-Day. M.T. ships for loading.	
EBC2Z	32 M.T. Coasters. 5 Naval Oil Tankers	Bristol Channel D - 1	137th E.G. 144th E.G. +2 Trawlers.	W.T.F. Area. D+2.	Pre-loaded U.S. Build-up Division.
EBC2Y	28 stores coasters. 2 naval colliers. 4 naval oil tankers.	Bristol Channel D - 1	155th E.G.	W.T.F. Area. D+2.	12 stores coasters to I.O.W. for servicing: arrive W.T.F. Area D+4.
EBM2	21 M.T. ships 9 empty M.T. ships. 5 miscellaneous.	Bristol Channel D - 1.	105th E.G. +3 corvettes.	W.T.F. Area. D+1.	Pre-loaded U.S. Build-up Division: M.T. ships load at South Coast Ports.
EBM3	11 empty M.T. ships	Irish Sea. D - 1.	106th E.G. +2 corvettes.	I.O.Wight Area, D+1.	Load at south coast ports.
	16 M.T. ships. 3 miscellaneous.	Bristol Channel D-Day.	141st E.G. +2 Trawlers or M.Ls.	W.T.F. Area D+2.	Pre-loaded U.S. Build-up Division.
EBP1	4 personnel ships. 2 miscellaneous.	Bristol Channel D - 1.	111th E.G.	W.T.F. Area D+1.	Pre-loaded U.S. Build-up Division: and depot ships.

II. INITIAL OUTWARD CONVOY PROGRAMME (contd.)

Convoy No.	Composition (approximate)	Assembly Area and date of departure	Escort	Arrive	Remarks
ETC2Y	12 M.T. Coasters. 1 stores coaster. 5 naval water tanks. 10 naval oil tankers.	Thames D - 1	132nd E.G. +1 corvette, 1 M.M.S.	E.T.F. Area D+1	Pre-loaded British Build-up Division.
ETC2Z	20 M.T. Coasters. 2 cable ships.	Thames D - 1	154th E.G.	E.T.F. Area D+1	Pre-loaded British Build-up Division.
EPB2	5 Personnel Ships. Mulberry "A" H.Q. Ship. 3 miscellaneous.	Bristol Channel, D-Day.	112th E.G. 113th E.G.	W.T.F. Area D+2.	Pre-loaded U.S. Build-up Division.
ECL1	31 L.S.T.	Falmouth, Plymouth, D-Day.	143rd E.G. +1 Trawler.	W.T.F. Area D+1	Force B: 3rd tide L.S.T.
ETM1	12 M.T. Ships 5 L.S.T. 2 Mulberry Control Ships. 10 L.C.I.(L).	Thames D-Day.	101st E.G.	E.T.F. Area D+1	L.C.I.(L) part of Force L: L.S.T. part of Force S, join off I.O.W. Mulberry Control Ships join off Selsey Bill.
ETL1	12 L.S.T. 24 L.C.T.	Thames, D - 1.	104th E.G.	E.T.F. Area D-Day	Part of Force L.
ETP1	8 Personnel Ships. 3 Troopships H.M.S. AMBITIOUS. 2 small hospital carriers.	Thames, D-Day.	114th E.G. 115th E.G.	E.T.F. Area D+1	Pre-loaded British Build-up Division: and accommo- dation ships. 4 ships and 2 hospital carriers wait at Spithead for 24 hours, then sail as EWP1.

II. INITIAL OUTWARD CONVOY PROGRAMME (contd.)

Convoy No.	Composition (approximate)	Assembly Area and date of departure	Escort	Arrive	Remarks
EWC1A	10 Stores Coasters. 13 B.D. vessels. 4 Eagle ships. 1 A.S.I.S. 4 Corncob Tugs.	Spithead A.M. D-Day.	136th E.G.	W.T.F. Area D+1.	Pre-loaded stores coasters; mooring group A etc.
EWC1B	23 stores coasters. 13 B.D. vessels. 1 A.S.I.S. 6 Corncob Tugs. 5 Eagle ships.	Spithead, A.M. D-Day.	131st E.G. +2 corvettes 1 Trawler.	E.T.F. Area D+1.	Pre-loaded stores coasters; mooring group B etc.
EBC3*	11 stores coasters. 3 empty M.T. ships. 2 A.S.I.S. 1 water tanker.	Bristol Channel, D-Day.	138th E.G.	W.T.F. Area, D+3.	9 coasters to I.O.W. for servicing: arrive France D+5. 1 A.S.I.S. to Spithead. M.T. ships load at S. coast ports.
ETC22	21 stores coasters. 3 naval colliers.	Thames, D-Day.	156th E.G.	E.T.F. Area, D+2.	12 coasters to I.O.W. for servicing: arrive France D+4.
ETM2	25 M.T. ships 4 miscellaneous.	Thames, D+1.	102nd E.G. +2 Corvettes	E.T.F. Area, D+2.	Pre-loaded British Build-up Division.
EWP1	6 Personnel Ships. H.M.S. DESPATCH. 2 Hospital Carriers.	St.Helens, D+1.	116th E.G.	E.T.F. Area, D+2.	
EPL1	4 L.S.T.	Portland D+2.	123rd E.G.	W.T.F. Area P.M. D+2.	Join EPL1W.

* See Note (i) at head of programme.

II. INITIAL OUTWARD CONVOY PROGRAMME (contd.)

Convoy No.	Composition (approximate)	Assembly Area and date of departure	Escort	Arrive	Remarks
EPL1W	7 L.S.T.	Solent D+2	123rd E.G.	W.T.F. Area P.M. D+2.	
EWL1	6 L.S.T.	Spithead D+2.	126th E.G.	E.T.F. Area P.M. D+2.	
ETC3*	12 stores coasters. 2 A.S.I.S. 1 water tanker. 2 oilers. 15 smoke trawlers. EMPIRE FLAMINIAN.	Thames, D+1.	133rd E.G. 131st E.G. after leaving EWC1B.	E.T.F. Area, D+3.	9 coasters, (arrivals in France D+5), 1 A.S.I.S., and EMPIRE FLAMINIAN to I.O.W. Remainder join ETC3W.
EBC2W	10 stores coasters.	Spithead, D+1.		W.T.F. Area, D+2.	Pre-loaded stores coasters.
ETC22W*	15 stores coasters.	Spithead, D+1.	124th E.G.	E.T.F. Area, D+2.	Join ETC22.
ETC3W*	16 stores coasters.	Spithead, D+2.	Same as ETC3	E.T.F. Area, D+3.	Join ETC3.
EBC3W*	13 stores coasters.	Spithead, D+2.	Same as EBC3.	W.T.F. Area, D+3.	Join EBC3.
ECM1*	3 M.T. ships	Falmouth, Plymouth, D+2.	107th E.G.	W.T.F. Area, D+3.	Join ECM1P and ECM1W.
ECM1P*	9 L.S.T.	Portland, D+2.	Same as E.C.M.1.	W.T.F. Area D+3.	Join ECM1.
ECM1W*	12 M.T. ships 7 L.S.T.	Solent D+2.	Same as E.C.M.1.	W.T.F. Area, D+3.	Join ECM1.
ETM3*	14 M.T. ships	Thames D+2.	103rd E.G.	Spithead D+2 E.T.F. Area, D+3.	Join ETM3W.

* See Note (i) at head of programme.

II. INITIAL OUTWARD CONVOY PROGRAMME (contd.)

Convoy No.	Composition (approximate)	Assembly Area and date of departure	Escort	Arrive	Remarks
ETM3W*	14 L.S.T.	Spithead D+2.	Same as ETM3.	E.T.F. Area, D+3.	Join ETM3.
ECP1*	1 Personnel ship.	Plymouth D+2.	112th E.G.	W.T.F. Area, D+3.	Join ECP1P. and ECP1W.
ECP1P*	2 Personnel ships.	Portland D+2.	Same as ECP1.	W.T.F. Area D+3.	Join ECP1.
ECP1W*	4 Personnel ships.	Solent D+2.	Same as ECP1.	W.T.F. Area D+3.	Join ECP1.
EXP1*	2 Personnel ships.	Newhaven D+2.	114th E.G.	E.T.F. Area D+3.	Join EXP1W.
EXP1W*	1 Personnel ship.	Spithead D+2.	Same as EXP1.	E.T.F. Area D+3.	Join EXP1.
EPL2*	9 L.S.T.	Portland D+3.	121st E.G.	W.T.F. Area D+3.	Join EPL2W.
EPL2W*	5 L.S.T.	Solent D+3.	Same as EPL2.	W.T.F. Area D+3.	Join EPL2.
EWL2*	16 L.S.T.	Spithead D+3.	125th E.G. +1 corvette	E.T.F. Area D+3.	

* See Note (i) at head of programme.

APPENDIX H(2)

ARRIVALS OF MERCHANT SHIPPING

AND LANDING CRAFT IN FRANCE

7th JUNE - 30th JUNE, 1944, INCLUSIVE

(SUBSEQUENT TO INITIAL LIFT OF ASSAULT FORCES)

Date	Liberty Ships	Coasters	L.S.T.	L.C.T.	Personnel Ships	L.C.I.(L)
7th June	17	17	4	51	9	-
8th June	29	29	6	110	11	31
9th June	35	37	15	50	10	18
10th June	29	44	31	81	10	28
11th June	30	25	39	80	9	16
12th June	17	68	55	57	11	19
13th June	19	30	56	73	8	30
14th June	30	25	53	95	9	29
15th June	34	44	52	76	8	17
16th June	25	52	62	48	8	18
17th June	27	29	42	79	7	17
18th June	30	26	48	89	11	29
19th June	39	37	48	75	8	32
20th June	20	22	3	-	2	-
21st June	-	-	-	-	-	-
22nd June	-	30	38	-	13	-
23rd June	-	33	60	165	9	14
24th June	14	39	37	22	3	5
25th June	23	50	29	39	7	15
26th June	26	38	55	72	3	13
27th June	28	27	38	59	7	9
28th June	35	33	48	-	8	-
29th June	33	29	41	-	4	16
30th June	30	24	45	121	5	17
TOTAL	570	788	905	1,442	180	372

Note:- Following vessels are not included:-

- (a) Tankers.
- (b) Hospital Carriers.
- (c) Salvage ships and other auxiliaries.

APPENDIX H.(3)

ACHIEVED RATE OF ALLIED BUILD-UP TO D PLUS 28

	<u>PERSONNEL ARRIVALS FAR SHORE</u>			<u>VEHICLE ARRIVALS FAR SHORE</u>			<u>STORES ARRIVAL FAR SHORE (TONS)</u>		
	<u>British</u>	<u>U.S.</u>	<u>Total</u>	<u>British</u>	<u>U.S.</u>	<u>Total</u>	<u>British</u>	<u>U.S.</u>	<u>Total</u>
11 June D plus 5.	207,907	159,235	367,142	30,417	19,811	50,228	40,000	19,961	59,961
12 June D plus 6.	224,060	171,738	395,798	33,444	23,215	56,659	46,851	32,634	79,485
13 June D plus 7.	238,910	188,304	427,214	35,987	26,251	62,238	61,202	43,973	104,975
14 June D plus 8.	253,704	233,343	477,047	39,909	29,014	68,923	70,044	56,680	126,724
15 June D plus 9	270,265	254,940	525,205	43,988	33,085	77,073	79,155	71,769	150,924
16 June D plus 10.	281,081	272,413	553,494	48,022	33,355	83,357	88,414	87,080	175,496
17 June D plus 11.	296,608	291,065	587,673	51,199	38,629	89,828	96,065	100,399	196,464
18 June D plus 12.	314,547	307,439	621,986	54,282	41,468	95,750	102,679	114,945	217,624
30 June D plus 24.	418,426	443,412	861,838	89,164	68,469	157,633	231,859	270,475	501,834
1 July D plus 25.	427,882	452,967	880,849	92,046	71,297	163,343	246,066	283,332	529,398
2 July D plus 26.	440,937	464,135	905,072	95,120	76,219	171,339	263,418	301,226	564,644
3 July D plus 27.	457,985	477,105	929,090	98,178	79,707	177,885	283,578	320,750	604,328
4 July D plus 28.	458,259	500,277	958,536	100,258	83,282	183,540	301,123	348,445	649,568

APPENDIX J

ALLIED SHIPPING CASUALTIES: OPERATION NEPTUNE
JUNE 1944

- I. Warships.
- II. Landing ships and major Landing craft.
- III. Merchant ships and Auxiliaries.

I. WARSHIPS

A. TOTAL LOSSES

Date	Name	Class	Remarks
June		<u>BRITISH</u>	
6th	H.M.S. WRESTLER	Destroyer	Mined, 49° 36' N. 0° 27' W.
"	" M.T.B.248	M.T.B.	Sunk in collision.
8th	" LAWFORD	Frigate	H.Q. Ship, Capt. Patrols. Bombed, Juno Area.
8th	" MINISTER	Netlayer	Mined, Utah Area.
11th	" M.T.B.448	M.T.B.	Gunfire, E-Boats off Cap Barfleur.
"	" M.G.B. 17	M.G.B.	Mined, off Arromanches.
13th	" BOADICEA	Destroyer	Torpedoed by Ju.88 off Portland.
"	" M.M.S.229	M.M.S.	Mined, Utah Area.
15th	" BLACKWOOD	Frigate	Torpedoed by S/M. 50° 04' N. 2° 15' W.
"	" MOURNE	"	Torpedoed by S/M. 49° 20' N. 5° 30' W.
24th	" SWIFT	Destroyer	Mined, Sword Area.
"	" LORD AUSTIN	Trawler	Mined.
"	" M.M.S.8	M.M.S.	Mined, Juno Area.
27th	" M.G.B.326	M.G.B.	Mined, Juno Area.

ALLIED

6th	U.S.S. OSPREY	M/S.	Mined on passage, 50° 13' N. 1° 26' W.
6th	" CORRY	Destroyer	Mined, Utah Area.
6th	H.Nor. M.S. SVENNER	Destroyer	Torpedoed, Sword Area.
6th	U.S.P.C.1261	Patrol vessel	Gunfire, possibly mine, Utah Area.
7th	U.S.S. TIDE	M/S.	Mined, Utah Area.
8th	U.S.S. RICH	Destroyer	Mined, Utah Area.
8th	U.S.S. MEREDITH	Destroyer	mined, Utah Area.

I. WARSHIPS

A. TOTAL LOSSES - (Contd.)

Date	Name	Class	Remarks
		<u>ALLIED</u> (Contd.)	
8th	U.S.S. GLENNON	Destroyer	Mined, Utah Area: sunk 10/6 by shell fire.
8th	U.S.S. Y.M.S.406	Y.M.S.	Mined, Utah Area.
9th	F.F.S. MISTRAL	Destroyer	Mined.

B. DAMAGED

			<u>BRITISH</u>
6th	H.M.C.S. CALGARY	Corvette	Collision with Phoenix off Selsey.
7th	H.M.S. WARSPITE	B.S.	Blast (Superficial).
7th	H.M.S. LONDONDERRY	Sloop	Collision (slight).
7th	H.M.S. APPOLLO	M/L.	Grounded, E.T.F. Area
7th	H.M.S.M.T.B.617	M.T.B.	Grounded.
9th	H.M.S. TARTAR	Destroyer	Gunfire (slight): engagement with Narviks.
9th	H.M.S. ULSTER	Destroyer	Grounded, (minor damage).
9th	H.M.S. VESTAL	M/S.	Aground.
9th	H.M.S. KELLET	M/S.	Grounded off Swanage.
10th	H.M.C.S. TADOUSSAC	M/S.	Shellfire, Utah Area.
11th	H.M.S. HALSTEAD	Frigate	Torpedoed by E-Boat, 49° 40' N. 00° 30' W.
13th	H.M.S. WARSPITE	B.S.	Mined off Harwich: superficial damage.
13th	H.M.S. MAURITIUS	Cruiser	Straddled: superficial damage.
15th	H.M.S. RATTLESNAKE	M/S.	Mined (not holed).
17th	H.M.S. TALYBONT	Destroyer	Shellfire, Cherbourg Shore batteries.
17th	H.M.S. LOCUST	Gunboat	Shell fire, Sword Area.
17th	H.M.S.M.M.S.279	M.M.S.	Near mine explosion.
18th	H.M.S. NELSON	B.S.	Mined (superficial), E.T.F. Area.
18th	H.M.S.M.M.S.7	M.M.S.	Bomb.
18th	H.M.S. JERVIS	Destroyer	Collision, E.T.F. Area (Weather).
18th	H.M.S. ONSLOW	Destroyer	Torpedo-bomber, west of Spout (slight).
19th	H.M.S. DIADEM	Cruiser	Rammed at anchor by M.T. ship, E.T.F. Area.
19th	H.M.S. HARRIER	M.S.	Damaged while oiling, E.T.F. Area (Weather).
19th	H.M.S. COLSAY	Trawler	Grounded in gale, E.T.F. Area.
21st	H.M.S. FURY	Destroyer	Mined and driven ashore, Gold Area.
22nd	H.M.S. ILFRACOMBE	M.S.	Near mine explosion, E.T.F. Area.
22nd	H.M.S. FAIRWAY	Trawler	Near mine explosion, E.T.F. Area.

I. WARSHIPS

B. DAMAGED - (Contd.)

Date	Name	Class	Remarks
<u>BRITISH (Contd.)</u>			
22nd	H.M.S.M.L.104	M.L.	Shellfire: cross channel batteries: off Folkestone.
23rd	H.M.S. SCYLLA	Cruiser	Mined, Juno Area.
23rd	H.M.S. PERSIAN	M.S.	Mined, E.T.F. Area.
24th	H.M.S. Nith	Frigate	Bomb.
25th	H.M.S. ARETHUSA	Cruiser	Mined, (possibly composite A/C).
25th	H.M.S. GLASGOW	Cruiser	Shellfire: Cherbourg batteries.
25th	H.M.S. GOODSON	Frigate	Torpedoed by submarine: 50° 00' N. 2° 29' W.
25th	H.M.S.M.T.B.418	M.T.B.	Collision.
25th	H.M.S. PIQUE	M.S.	Mined.
26th	H.M.S.M.T.B.413	M.T.B.	Collision while chasing enemy; short visibility.
27th	H.M.S. PINK	Corvette	Torpedoed by submarine (or mined) 49° 48' N. 0° 50' W.
27th	H.M.S. STELLA RIGEL	Trawler	Mined, Juno Area.
27th	H.M.S.M.M.S.40	M.M.S.	Mined, Juno Area: sunk, subsequently refloated.
27th	H.M.S.M.T.B.673	M.T.B.	Gunfire: German light forces off Jersey.
27th	H.M.S.M.T.B.677	M.T.B.	Gunfire: German light forces off Jersey.
27th	H.M.S.M.T.B.676	M.T.B.	Gunfire: German light forces off Jersey.
27th	H.M.S.M.L.294	M.L.	Collision.
28th	H.M.S. ESKIMO	Destroyer	Gunfire: enemy minesweepers off St. Malo.
29th	H.M.S.B.Y.M.S.2169	B.Y.M.S.	Mined, W.T.F. Area.

ALLIED

7th	U.S.S. JEFFERS	Destroyer	Shell splinters (superficial).
11th	U.S.S. NELSON	Destroyer	Torpedoed by E-Boat, Omaha Area.
17th	U.S.S.Y.M.S.377	Y.M.S.	Near mine explosion, Utah Area.
20th	F.F.S. LA SURPRISE	Frigate	Mined, OMAHA Area.
22nd	U.S.S. DAVIES	Destroyer	Near mine explosion, W.T.F. Area.
23rd	N.Nor.M.S. GLAISDALE	Destroyer	Mined.
25th	U.S.S. TEXAS	B.S.	Shellfire: bombardment of Cherbourg.
25th	U.S.S. O'BRIEN	Destroyer	Shellfire: bombardment of Cherbourg.
25th	U.S.S. BARTON	Destroyer	Shellfire: bombardment of Cherbourg.
25th	U.S.S. LAFFEY	Destroyer	Shellfire: bombardment of Cherbourg.
26th	U.S.S.P.T.521	M.T.B.	Shellfire: Barfleur shore batteries.
29th	U.S.S.P.C.568	S/M.Chaser	Mined, W.T.F. Area.

II. LANDING SHIPS AND MAJOR LANDING CRAFTTOTAL LOSSES: JUNE - JULY, 1944LANDING SHIPS

Class	Name or Number	Tonnage	Date of Loss	Remarks
L.S.I.(L)	EMPIRE BROADSWORD	4,285	2 July	Mined off Normandy.
L.S.I.(S)	PRINCE LEOPOLD	2,938	29 July	Torpedoed by U-boat English Channel.
F.D.T.	No.216	2,750	7 July	Sunk by A/C torpedo off Cape Barfleur.

LANDING CRAFT

Class and Numbers	Date of Loss	Remarks
LANDING CRAFT ASSAULT (W.L.11 - 13.5 tons)* 171, 208, 279, 289, 303, 320, 337, 339, 341, 349, 350, 352, 360, 367, 383, 387, 401, 409, 418, 424, 431, 434, 442, 458, 462, 463, 476, 485, 494, 496, 503, 509, 518-520, 522, 525, 530, 535, 540, 566, 579, 581, 584, 596, 588-590, 592-594, 611, 613, 623, 637, 642, 649-652, 655, 661, 664, 665, 673, 683, 691, 692, 704, 705, 710, 717, 721, 722, 729, 731, 738, 748, 750, 768, 775, 779, 780, 788, 791, 792, 795-797, 803, 808-810, 812, 814, 815, 821, 825, 827, 835, 849, 853, 857, 859, 860, 867, 869-871, 879, 881, 886, 900, 903, 911, 913, 914, 918-920, 929, 933, 946, 949, 958, 978, 984, 998-1000, 1005, 1008, 1013, 1016, 1021, 1024, 1026-1028, 1034, 1050, 1057-1059, 1063, 1068, 1069, 1074, 1082, 1086, 1088, 1091, 1093, 1096, 1129, 1131, 1132, 1137, 1138, 1143, 1144, 1146, 1149- 1151, 1155, 1156, 1213, 1215, 1216, 1251-1253, 1256, 1338-1341, 1343, 1372, 1379, 1381-1383 (total 184)	June - July	Lost in Assault Area.
1393	3 July	Lost in Assault Area.
1304	14 July	Lost in heavy weather in Home Waters.
LANDING CRAFT ASSAULT. (Hedgerow) (W.L. 12 tons)* 671, 690, 965, 1072 (total 4)	June - July	Lost, Assault Area.
LANDING CRAFT GUN (Large) (Mark IV) (W.L.530 tons)* 764, 831, 1062 (total 3)	July - Aug.	Lost, Assault Area.

* W.L. - War Load.

II. LANDING SHIPS AND MAJOR LANDING CRAFT (Contd.)

TOTAL LOSSES: JUNE - JULY, 1944 (Contd.)

LANDING CRAFT (Contd.)

Class and Numbers	Date of Loss	Remarks
LANDING CRAFT HEADQUARTERS (W.L.384 tons)*		
No.185	25 June	Lost, Assault Area.
LANDING CRAFT INFANTRY (Large) (W.L.380-384 tons)*		
No.105	8 June	Lost, Assault Area.
No. 132	17 June	Lost and formally paid off.
LANDING CRAFT INFANTRY (Small) (W.L.110 tons)*		
512, 517, 524, 531, 540 (total 5)	June	Lost, Assault Area.
537	June	Damaged, beyond economical repair.
LANDING CRAFT MECHANISED (Mark I) (W.L.30-37 tons)*		
127, 128, 165, 168, 180, 191, 203, 216, 226, 229, 231, 241, 251, 281, 316, 319, 330, 335, 337, 338, 345, 346, 348, 355, 357, 377, 382, 383, 408, 409, 419, 421, 425, 443, 444, 466, (total 36)	June - July	Lost, Assault Area.
138	7 July	Lost, English Channel.
LANDING CRAFT MECHANISED (Mark III) (W.L.52 tons)*		
577	June	Lost, Assault Area.
531, 535, 568, 587, 627, 628, 631, 641, 908, 929, 1053, 1059, 1062, 1088, 1098, 1108, 1120, 1127, 1128, 1139, 1145, 1146, 1161, 1175, 1189, 1197, 1200, 1207, 1208, 1212, 1220, 1221, 1227, 1232, 1233, 1240, 1244, 1278, 1282, 1293, 1297, 1397, (total 42)	June - July	Lost, Assault Area.
LANDING CRAFT PERSONNEL (Large) (W.L.8-11 tons)*		
13, 14, 21-23, 40, 51, 121, 132, 139, 170, 175, 176, 187, 189, 197, 199, 208, 272, 280, 282, 285, 286, 289, 309, 312, 528, 556 (total 28)	June - July	Lost, Assault Area.
267	8 July	Sunk by mine off Cherbourg.

* War Load

II. LANDING SHIPS AND MAJOR LANDING CRAFT (Contd.)

TOTAL LOSSES: JUNE - JULY, 1944 (Contd.)

LANDING CRAFT (Contd.)

Class and Numbers	Date of Loss	Remarks
LANDING CRAFT PERSONNEL (Ramped) (W.L. 9-11 tons)*		
970	June	Lost in Home Waters.
894, 896 (total 2)	June	Lost, Assault Area.
895	June	Damaged and sunk, Portsmouth area.
905	19 June	Lost in bad weather in Home Waters.
683	July	Lost in action off coast of France.
971	28 July	Lost in collision in Home Waters.
LANDING CRAFT PERSONNEL (Small) (W.L. 6 tons)*		
136	June	Lost, Assault Area.
LANDING CRAFT SUPPORT (Medium) (Mark III) (W.L. 13.5 tons)*		
75, 76, 80, 81, 83, 91, 99, 101, 103, 108, 114 (total 11)	June	Lost, Assault Area.
LANDING CRAFT TANK (Mark IV) (W.L. 611-640 tons)*		
524, 715, 750, 809, 886, 947, (total 6)	June	Lost, Assault Area.
LANDING CRAFT TANK (Mark V) (W.L. 291-311 tons)*		
2498	June	Lost, Assault Area.
2049, 2229, 2307 (total 3)	6 June	Lost, Assault Area, while on loan to U.S. Navy.
2331	July	Broken back.
LANDING CRAFT TANK (Armoured) (Mark V) (W.L. 290-295 tons)*		
2273, 2301, 2402, (total 3)	June	Lost, Assault Area, while on loan to U.S. Navy.
2428	June	Lost, Assault Area.

* War Load.

II. LANDING SHIPS AND MAJOR LANDING CRAFT (Contd.)

TOTAL LOSSES: JUNE - JULY, 1944 (Contd.)

LANDING CRAFT (Contd.)

Class and Numbers	Date of Loss	Remarks
LANDING CRAFT VEHICLE (Personnel) (W.L.10.5-13.5 tons)*		
1016, 1029, 1031, 1033, 1044-1046, 1049, 1054, 1056, 1062, 1065, 1084, 1088, 1093, 1098, 1101, 1102, 1104, 1106, 1111, 1114, 1117, 1120-1122, 1124, 1129, 1132, 1133, 1139, 1146, 1153, 1155, 1157, 1159, 1165, 1170-1172, 1184, 1188, 1201, 1204, 1211, 1216, 1218, 1242, 1245, 1246, 1248, 1249, 1251, 1255, 1260, 1262, 1264, (total 57)	June (approx.)	Lost, Assault Area.
1288	13 July	Lost in Home Waters.
LANDING BARGES, EMERGENCY REPAIR (200 ton type)		
8, 17, 25-27, 57, 60 (total 7)	19-25 June	Gale damage, Assault Area.
LANDING BARGES OILER (200 ton type)		
46, 56, 84 (total 3)	19-25 June	Gale damage, Assault Area.
10	19-25 June	Gale damage, Assault Area.
LANDING BARGES, VEHICLE (Mark I) (150 ton type)		
16, 51 (total 2)	12 June	Loss through stress of weather.
LANDING BARGES, VEHICLE (Mark II) (200 ton type)		
172, 176, 206, 232 (total 4)	19-25 June	Gale damage, Assault Area.
LANDING BARGES, VEHICLE (Mark II) (150 ton type)		
16, 20, 51 (total 3)	June	Cause and place unknown.
3, 27, 49, 61, 67, 94, 95, 103, 209, 214 (total 10)	19-25 June	Gale damage, Assault Area.
19, 28, 116, 122 (total 4)	29 July	Cause and place unknown.
LANDING BARGES, WATER (200 ton type)		
No.15	19-25 June	Gale damage, Assault Area.
(150 ton type)		
No.7	19-25 June	Gale damage, Assault Area.
RAMPED DUMB BARGES (100 ton type)		
43, 65 (total 2)	1 July	Cause and place unknown.

III. MERCHANT SHIPS AND AUXILIARIES

A. TOTAL LOSSES

Date	Name	Gross Tons	Type	Nationality	Remarks
June 6th	S.S.SAMBUT	7219	M.T.	British	Gunfire: cross channel batteries. 51° 08' N. 1° 33' E.
8th	S.S.CHANT 6	403	Tanker	British	Bombed and capsized.
10th	S.S.CHARLES MORGAN	7244	M.T.	U.S.	Bombed, W.T.F. Area.
10th	S.S.DUNGRANGE	621	Coaster	British	Torpedoed by E-Boats in the "Spout".
10th	S.S.BRACKENFIELD	657	Coaster	British	Torpedoed by E-Boats in the "Spout".
10th	M.V.ASHANTI	534	Coaster	British	Torpedoed by E-Boats in the "Spout".
11th	H.M.T.SESAME	-	Tug	British	Torpedoed by E-Boats in the "Spout".
11th	U.S.S.PARTRIDGE	-	Tug	U.S.	Torpedoed by E-Boats in the "Spout".
12th	S.S.CHANT 60	404	Tanker	British	Capsized.
14th	S.S.CHANT 61	404	Tanker	British	Capsized.
15th	S.S.CHANT 69	401	Tanker	British	Capsized, Juno Area.
16th	S.S.ALERT	793	T.H.V.	British	Mined, Gold Area.
18th	S.S.ALBERT C. FIELD	1764	Coaster	British	Torpedoed by A/C. 50°28' N. 1° 46' W.
20th	S.S.WESTDALE	424	Coaster	British	Mined, Gold Area.
20th	S.S.CHANT 7	405	Tanker	British	Driven ashore: capsized.
21st	H.M.T.SOLITAIRE	-	Tug	British	Sunk.
22nd	S.S.DUNVEGAN HEAD	638	Coaster	British	Destroyed by fire, Sword Area.
22nd	S.S.DUNDAS	-	Tug	British	Collision, Assault Area.
24th	S.S.FORT NORFOLK	7131	M.T.	British	Mined, Juno Area.
24th	S.S.EMPIRE LOUGH	2824	Coaster	British	Gunfire: cross channel batteries 51° 06' N. 1° 16' E.
24th	M.V.DERRY CUNIHY	7093	M.T.	British	Mined, E.T.F. Area.
28th	S.S.CHARLES W. ELLIOT	7176	M.T.	U.S.	Mined, Juno Area.
29th	S.S.JAMES A. FARRELL	7176	M.T.	U.S.	Torpedoed by S/M. 50° 07' N. 0° 47' W. Beached: later became total loss.

III. MERCHANT SHIPS AND AUXILIARIES

A. TOTAL LOSSES - (Contd.)

Date	Name	Gross Tons	Type	Nationality	Remarks
29th	S.S. JAMES A. TREUTLIN	7198	M.T.	U.S.	Torpedoed by S/M. 50° 07' N. 0° 47' W. Beached: later became total loss.
29th	S.S. H. G. BLASDEL	7176	M.T.	U.S.	Torpedoed by S/M. 50° 07' N. 0° 47' W. Beached: later became total loss.
29th	S.S. EMPIRE FORTIA	7058	M.T.	British	Torpedoed by S/M. 50° 33' N. 0° 35' W.

B. DAMAGED

7th	H.M.S. BULOLO	6267	Fce. H.Q.	British	Bombed, Gold Area.
7th	S.S. DINARD	2312	Hospital Carrier	British	Mined, 49° 31' N. 0° 35' W.
7th	S.S. ST. JULIAN	1952	"	British	Mined, 49° 35' N. 0° 32' W.
7th	S.S. FRANCIS C. HARRINGTON	7176	M.T.	U.S.	Mined, W.T.F. Area.
10th	S.S. FORT PIC	7150	M.T.	British	Bombed.
12th	S.S. BRITISH ENGINEER	6993	Tanker	British	Mined, 50° 10' N. 0° 59' W.
13th	S.S. VICEROY	824	Tanker	British	Mined, Juno Area.
13th	S.S. MONARCH	1150	Tel Cable ship	British	Gunfire: U.S. destroyer.
18th	S.S. FORT McMURRAY	7133	M.T.	British	Grounded, Sword Area.
20th	S.S. CHANT 26	402	Tanker	British	Driven ashore.
20th	S.S. CHANT 23	402	Tanker	British	Driven ashore.
20th	S.S. CHELWOOD	2742	Coaster	British	Ashore Calvados Shoal, Gold Area.
20th	S.S. ASA ELDRIDGE	1791	Coaster	British	Grounded Calvados Shoal, Gold Area.
20th	S.S. DEMETERTON	7345	M.T.	British	Gunfire, Sword Area.
21st	S.S. GRANGETOFT	975	Coaster	British	Damaged and neaped, Utah.
22nd	S.S. KYLEGORM	622	Coaster	British	Damaged off Gold Area.

III. MERCHANT SHIPS AND AUXILIARIES

B. DAMAGED - (Contd.)

Date	Name	Gross Tons	Type	Nationality	Remarks
22nd	S.S.EILIAN HILL	781	Coaster	British	Damaged in Port en Bessin.
22nd	S.S.COOMBE HILL	7628	M.T.	British	Gunfire: Sword Area.
23rd	S.S.AVANVILLE	683	Coaster	British	Damaged and neaped Sword Area.
23rd	S.S.YEWGLEN	687	Coaster	British	Damaged and neaped, Sword Area.
23rd	S.S.NESTUN	1271	Coaster	Nor.	Underwater explosion Omaha.
24th	S.S.GURDON GATES	1791	Coaster	British	Gunfire, cross channel batteries, off Folkestone.
25th	S.S.PRESIDENT		Coaster	U.S.	Storm damaged: neaped on Utah Beaches.
25th	S.S.DONNA FLORE	1179	Coaster	British	Storm damage: neaped on Utah Beaches.
25th	S.S.WESTOWN	710	Coaster	British	Storm damage: neaped on Utah Beaches.
25th	S.S.JERNJELD	1369	Coaster	Nor.	Storm damage: neaped on Utah Beaches.
25th	S.S.CAP TOURANE	8009	Depot ship	British	Gunfire, Sword Area.
25th	S.S.LEOPOLDVILLE	11,509		Bel.	Collision with U.S. L.S.T.28.
25th	H.M.Fuelling Tr.REGARDO	-	Oiler	British	On beam end in Juno Area.
27th	H.M.T.STELLA RIGEL	-	Tug	British	Mined, Juno Area.
28th	S.S.DALEGARTH FORCE	825	Coaster	British	Gunfire: cross channel batteries: off Dover.
28th	S.S.CITY OF MALINE	373	Coaster	British	Collision with L.S.T. 451.
29th	S.S.EDWARD M. HOUSE	7240	M.T.	U.S.	Torpedoed by S/M. 50° 07' N. 0° 47' W.
30th	S.S.TULLY CROSBY	1791	Coaster	British	Near mine.

APPENDIX J(1)

ANALYSIS OF SHIPPING CASUALTIES

D - day to D+30

COMPILED FROM SALVAGE RECORDS

NOTE. Figures shown include only ships and craft which were reported in difficulties and to which assistance was sent. A number of craft sustained damage, but continued to operate without reporting it or returned to the United Kingdom under their own power.

TYPE OF VESSEL OR CRAFT	DAMAGED			TOTAL LOSS			TOTAL	PER- CENTAGE
	WEATHER	MARINE HAZARD	ENEMY ACTION	WEATHER	MARINE HAZARD	ENEMY ACTION		
WARSHIPS	12	26	46	-	1	25	110	12.0%
MERCHANT VESSELS	26	10	16	2	4	18	76	8.3%
L.S.T.	9	5	8	-	-	4	26	2.8%
L.C.T.	174	1	65	38	1	28	307	33.5%
L.C.A.	3	1	6	32	-	14	56	6.1%
L.C.I.	21	-	10	9	-	14	54	5.9%
L.C.M.	12	-	14	1	-	2	29	3.2%
L.C.V.(P) and L.C.P.(L)	15	1	3	1	-	-	20	2.2%
Miscellaneous L.C.	4	-	-	1	-	1	6	0.7%
L.B.V.	48	-	-	8	-	-	56	6.1%
L.B.O.	20	-	-	9	-	-	29	3.2%
L.B.W.	4	-	-	-	-	-	4	0.4%
L.B.E.	16	-	-	5	-	-	21	2.3%
Miscellaneous L.B.	2	-	1	-	-	-	3	0.3%
Phoenix	2	-	-	3	-	2	7	0.8%
Rhino	17	-	-	1	-	-	18	1.9%
Pontoons	21	-	-	12	-	-	33	3.6%
Miscellaneous Tows	31	-	-	31	-	-	62	6.7%
TOTAL	437	44	169	153	6	108	917	
PERCENTAGES	47.7%	4.8%	18.4%	16.7%	0.6%	11.8%		100.0%

APPENDIX K

BRITISH ASSAULT AREA

Table of Mines Destroyed and Mine

Casualties June 1944.

Date	MINES						CASUALTIES						Date
	Moored	Ground			Total since 2000/5th June		H.M. ships		Others		Total since 5th June		
		Magnetic	Acoustic	Unknown	Moored	Ground	Sunk	Damaged	Sunk	Damaged	Sunk	Damaged	
6th June	52	-	1	-	52	1	-	1	-	-	-	1	6th June
7th June	26	-	-	-	78	1	-	-	-	2	-	3	7th June
8th June	4	-	-	-	82	1	-	-	-	-	-	3	8th June
9th June	6	7	1	-	88	9	-	-	-	-	-	3	9th June
10th June	9	1	1	-	97	11	-	-	1	-	1	3	10th June
11th June	-	-	2	2	97	15	1	-	-	-	2	3	11th June
12th June	1	-	2	2	98	19	-	-	-	-	2	3	12th June
13th June	-	7	-	1	98	27	-	2	-	1	2	6	13th June
14th June	1	-	6	3	99	36	-	1	-	-	2	7	14th June
15th June	-	-	-	3	99	39	-	1	-	-	2	8	15th June
16th June	-	-	-	3	99	42	-	-	1	-	3	8	16th June
17th June	-	-	1	5	99	48	-	-	-	-	3	8	17th June
18th June	-	1	-	3	99	52	-	1	-	-	3	9	18th June
19th June	-	-	-	9	99	61	-	-	-	-	3	9	19th June
20th June	-	-	-	5	99	66	-	-	-	-	3	9	20th June
21st June	-	-	2	7	99	75	-	1	-	-	3	10	21st June
22nd June	-	-	1	18	99	94	-	2	-	-	3	12	22nd June
23rd June	-	5	1	10	99	110	-	3	-	-	3	15	23rd June
24th June	-	-	5	6	99	121	3	2	2	-	8	17	24th June
25th June	-	1	-	3	99	125	1	2	-	-	9	19	25th June
26th June	-	-	-	7	99	132	-	-	-	-	9	19	26th June
27th June	-	1	-	10	99	143	1	2	-	-	10	21	27th June
28th June	-	-	-	33	99	176	-	-	1	-	11	21	28th June
29th June	-	2	1	-	99	179	-	-	-	-	11	21	29th June
30th June	-	1	-	13	99	193	-	-	-	-	11	21	30th June

Note:- M.G.B.17 apparently was mined. At first regarded as lost from internal explosion (11th June).

Summary:- 292 mines + numerous detonations by night.
 11 vessels sunk.
 21 vessels damaged.

APPENDIX L

GERMAN SUBMARINE LOSSES: OPERATION NEPTUNE

JUNE, JULY, AUGUST, SEPTEMBER 1944

NOTE:- Submarines destroyed off Norwegian Coast and on passage to Neptune Area not included.

Date	U-Boat	Destroyed by	Locality
7/6/44	U955	Aircraft	Bay of Biscay.
"	U970	"	" " "
8/6/44	U629	"	" " "
"	U373	"	" " "
9/6/44	U740	"	English Channel.
10/6/44	U821	"	" "
18/6/44	U767	H.M. Ships FAME, INCONSTANT, HAVELOCK.	" "
"	U441	Aircraft	" "
24/6/44	U971	Aircraft and H.M.C.S. HAIDA, H.M.S. ESKIMO.	" "
25/6/44	U269	H.M.S. BICKERTON.	" "
"	U1191	H.M.S. AFFLECK, BALFOUR.	" "
29/6/44	U988	Aircraft and H.M.S. ESSINGTON, DUCKWORTH, DOMMETT, COOKE.	" "
5/7/44	U390	H.M.S. WANDERER, TAVY.	" "
6/7/44	U678	H.M.C.S. OTTAWA, KOOTENAY, H.M.S. STATICE.	" "
8/7/44	U243	Aircraft.	Bay of Biscay.
11/7/44	U1222	"	" " "
14/7/44	U415	Mined.	Off Brest.
18/7/44	U672	H.M.S. BALFOUR.	English Channel.
21/7/44	U212	H.M.S. CURZON, EKINS.	" "
26/7/44	U214	H.M.S. COOKE.	" "
31/7/44	U333	H.M.S. LOCH KILLIN, STARLING.	" "
4/8/44	U671	H.M.S. STAYNER, WENSLEYDALE.	" "
6/8/44	U736	H.M.S. LOCH KILLIN.	" "

Date	U-Boat	Destroyed by	Locality
10/8/44	U608	Aircraft and H.M.S. WREN.	Bay of Biscay.
11/8/44	U385	" " " STARLING.	" " "
12/8/44	U981	Aircraft.	" " "
"	U270	"	" " "
14/8/44	U618	Aircraft and H.M.S. DUCKWORTH, ESSINGTON.	" " "
15/8/44	U741	H.M.S. ORCHIS.	English Channel.
18/8/44	U621	H.M.C.S. OTTAWA, KOOTENAY, CHAUDIÈRE.	Bay of Biscay.
"	U107	Aircraft.	" " "
20/8/44	U413	H.M.S. WENSLEYDALE, FORESTER, VIDETTE.	English Channel.
"	U984	H.M.C.S. OTTAWA, CHAUDIÈRE, KOOTENAY.	" "
22/8/44	U180	Mined.	Bay of Biscay.
24/8/44	U445	H.M.S. LOUIS.	" " "
25/8/44	U178	} Destroyed.	Bordeaux.
"	U188		
"	IT21		
"	U667	Mined.	La Pallice.
?/8/44	U766	Paid off; unseaworthy.	La Pallice.
"	U123	" " "	Lorient.
"	U129	" " "	"
1/9/44	U247	H.M.C.S. ST. JOHN, SWANSEA.	English Channel.

DIGEST

Destroyed by surface craft	17
" " " " and aircraft	5
" " Aircraft	12
" " Mines	3
" " other causes	6
TOTAL	<u>43</u>

APPENDIX M

UNITED KINGDOM: SHORE AUTHORITIES

BASES AND EMBARKATION HARDS IN THE

AREA PRINCIPALLY CONCERNED WITH

OPERATION NEPTUNE

(NOTE: Ports are arranged alphabetically)

LOCATION	U.K. SHORE AUTHORITIES AND EMBARKATION HARDS	REMARKS
Appledore (North Devon)	N.O.I.C. Appledore H.M.S. APPLIEDORE COUSNAAT. B	C.F. Repair facilities available. U.S.N. Advanced Amph. Training Base.
Avonmouth	N.O.I.C. Avonmouth	
Barry	N.O.I.C. Barry	
Beaulieu River	H.M.S. MASTODON	Landing Craft Base (M.L.C.)
Birdham (Chichester Harbour East)	H.M.S. SEA SERPENT	Landing Craft Base
Brightlingsea	N.O.I.C. Brightlingsea H.M.S. NEMO Capt. M. L. Brightlingsea H.M.S. HELDER.	C.F. Repair facilities available. Landing Craft Base
Bristol	Under Administration of R.O.I.C. Cardiff.	
Brixham " Breakwater	R.N.O. Brixham Capt. M. L. Brixham Hard "P.U."	Coastal Force Base. L.S.T. Hard (4 berths).
Burnham-on-Crouch (Essex)	R.N.O. Burnham H.M.S. ST. MATTHEW	Landing Craft Base
Bursledon (Hamble River)	Capt. M. L. Portsmouth H.M.S. CRICKET	C.F. Repair facilities available. Landing Craft Base
Calshot	C.O.N.U. Calshot	Landing Craft Maintenance Base.
Calstock	COUSNAAMSB	U.S.N. Advanced Amph. Maintenance Sub-Base.

LOCATION	U.K. SHORE AUTHORITIES AND EMBARKATION HARDS	REMARKS
Cardiff	F.O.I.C. Cardiff	(Turco, Cardiff)
Chatham	C. in C. Nore H.M.S. PEMBROKE I, II and III.	(Turco, Chatham)
Cowes	H.M.S. VECTIS FS DILIGENTE	Landing Craft Base, Headquarters Establishment and flies flag of Naval Commander Force J. Chasseur Base Ship
Dartmouth	N.O.I.C. Dartmouth H.M.S. DARTMOUTH COUSNAAB H.M.S. CICALA Hard "P.C.1" Hard "P.C.2" Hard "P.C.3"	U.S.N. Advanced Amph. Base (Turco in reserve). Coastal Force Base. L.C.T. Hard (2 berths). L.C.T. Hard (4 berths). L.S.T. Hard (2 berths).
Deal (Hards)	Hard "N.W.1" Hard "N.W.2" Hard "N.W.6" Hard "N.W.11"	L.C.T. Hard (4 berths). L.C.T. Hard (4 berths). L.C.T. Hard (4 berths). L.C.T. Hard (4 berths).
Devonport	C. in C. Plymouth Adm. Supt., Devonport Hard "P.P.2" Hard "P.S." Hard "P.P.1" Hard "P.P.3"	L.C.T. Hard (4 berths). L.C.T. Hard (2 berths). L.S.T. Hard (4 berths). L.C.T. Hard (4 berths).
Dover	Vice-Admira, Dover H.M.S. LYNX H.M.S. WASP Hard "N.D.4" Hard "N.D.2" Hard "N.D.1"	Coastal Force Base. L.C.T. Hard (4 berths). L.S.T. Hard (1 berth). L.S.T. Hard (2 berths).
Dungeness	S.N.O. Dungeness	PHOENIX and WHALE Assembly.

LOCATION	U.K. SHORE AUTHORITIES AND EMBARKATION HARDS	REMARKS
Exmouth	R.N.O. Exmouth H.M.S. TENNYSON	Landing Craft Base (L.B.V.).
Falmouth	F.O.I.C. Falmouth H.M.S. FORTE COUSNAAB	U.S.N. Advanced Amph. Base.
" Polgerran Wood	H.M.S. FORTE IV Hard "P.F.1"	Coastal Force Base. L.S.T. Hard (2 berths).
" Turnaware Point	Hard "P.F.2"	L.C.T. Hard (4 berths).
" Harveys Yard	Hard "P.F.3"	L.C.T. Hard (2 berths).
" Taylors Garage	Hard "P.F.4"	L.C.T. Hard (4 berths).
Felixstowe " Seaward of Pier (Hard)	H.M.S. BEEHIVE Hard "N.F.1"	Coastal Force Base. L.S.T. Hard (4 berths).
" Between Pier and Crane (Hard)	Hard "N.F.2"	L.C.T. Hard (4 berths).
" North of Crane	Hard "N.F.3"	L.S.T. Hard (2 berths).
Folkestone " Railway Pier	R.N.O. Folkestone H.M.S. ALLENBY Hard "N.T.1"	Landing Craft Base. L.C.T. and L.S.T. Hard (1 L.S.T. and 3 L.C.T. berths).
Fowey	R.N.O. Fowey COUSNAATSB	U.S.N. Advanced Amph. Training Sub-Base.
Gosport " Floating Bridge	H.M.S. HORNET (Capt. M. L. Portsmouth) Hard "G.F."	Coastal Force Base. L.C.T. Hard (2 berths).
" Hardway	Hard "G.H."	L.S.T. Hard (2 berths).
Great Yarmouth	F.O.I.C. Great Yarmouth H.M.S. WATCHFUL Capt. M/S H.M.S. MIRANDA	M/S Base.
Grimsby	F.O.I.C. Humber (at Immingham) H.M.S. BEAVER I and II Capt. M/S H.M.S. COLONSAY	M/S Depot Ship.
Harwich	F.O.I.C. Harwich H.M.S. BADGER H.M.S. WOLVERSTONE Capt. M/S and A/S (H.M.S. EPPING).	Landing Craft Base. M/S Depot Ship.

LOCATION	U. K. SHORE AUTHORITIES AND EMBARKATION HARDS	REMARKS
Hastings (Hards)		
" East of Breakwaters	Hard "N.B.1"	L.C.T. Hard (4 berths).
" West of Breakwaters	Hard "N.B.2"	L.C.T. Hard (4 berths).
Hayling Island (Chichester Harbour, West)	H.M.S. NORTHNEY I " " II " " III " " IV	Landing Craft Main- tenance Base.
Hayling Island (South) (Langstone Harbour)	H.M.S. DRAGONFLY	Landing Craft Base.
Hythe (Southampton)	H.M.S. SQUID II	Landing Craft Base (M.L.C.).
" (Kent) (Hards)	Hard "N.R.1"	L.C.T. Hard (4 berths).
" Stade Court	Hard "N.R.2"	L.C.T. Hard (4 berths).
" Imperial Hotel		
Hythe Lifeboat Station	Hard "N.R.3"	L.C.T. Hard (4 berths).
Ipswich	Commander M/S and P (H.M.S. BUNTING)	
Isle of Wight	N.O.I.C. Isle of Wight (H.Q. at Seaview).	
Lopez	Hard "Q"	L.C.T. Hard (4 berths).
Littlehampton	R.N.O. Littlehampton	Coastal Force Repair facilities available.
Llanelly	R.N.O. Llanelly	
London	F.O.I.C. London H.M.S. YEOMAN	Turco (London).
" Royal Albert Deck	Hard	
" Victoria Dock	Hard	
Lowestoft	N.O.I.C. Lowestoft H.M.S. MINGS	Coastal Force Base.
" "	H.M.S. MANTIS Commander M/S and P (H.M.S. MARTELLO)	M/S and P Depot Ship.
" "	H.M.S. MYLORD	Landing Craft Base.
Lymington	H.M.S. PAULINE Hard "A"	Landing Craft Main- tenance Base. L.C.T. Hard (2 berths).
Milford Haven	F.O.I.C. Milford Haven COUSNAAB	U.S.N. Advanced Amph. Base.

LOCATION	U.K. SHORE AUTHORITIES AND EMBARKATION HARDS	REMARKS
Newhaven " (Sleepers Hole)	N.O.I.C. Newhaven H.M.S. FORWARD H.M.S. NEWT H.M.S. AGRESSIVE Hard "L"	(Turco, Newhaven) Landing Craft Base. Coastal Force Base. L.C.T. Hard (3 berths).
Newport (Mon)	N.O.I.C. Newport	
Padstow	R.N.O. Padstow	
Pembroke Dock	H.M.S. SKIRMISHER II	Coastal Force Base.
Penarth	USNAAMSB	U.S.N. Advanced Amph. Maintenance (Sub-Base).
Penzance	R.N.O. Penzance	
Plymouth (See also Devonport)	C. in C. Plymouth COUSNAAB Admiral Superintendent, Devonport. H.M.S. BLACK BAT H.M.S. PARIS.	U.S.N. Advanced Amph. Base. Coastal Force Base. Auxiliary Vessels Depot Ship.
Plymouth (Turnchapel)	Hard "P.K."	L.S.T. or L.C.T. hard (4 L.C.T. berths or 2 L.S.T.)
Polgwiddden (Cornwall)	Hard "P.H."	L.S.T. Hard (2 berths).
Poole " (Hanworthy) Sandbanks (Poole)	N.O.I.C. Poole H.M.S. TURTLE Hard "P".	Coastal Force Base. Landing Craft Base. L.C.T. Hard (4 berths). Landing Craft Main- tenance Base.
Portland (See also Weymouth)	F.O.I.C. Portland H.M.S. BOSGOWAN H.M.S. ATTACK	(Turco, Portland).
Portland (Castletown) " (Castletown Pier) " (Mere 2)	Hard "R" COUSNAAB Hard "R.2" Hard "R.3"	Coastal Force Base. L.C.T. Hard (4 berths). U.S.N. Advanced Amphibious Base. L.S.T. Hard (2 berths). L.S.T. Hard (3 berths).

LOCATION	U.K. SHORE AUTHORITIES AND EMBARKATION HARDS	REMARKS
Portsmouth (See also Gosport)	C. in C. Portsmouth	H.Q. at Fort Southwick.
	Com. L. C. B. Portsmouth	H.M.S. PORCUPINE. Turco (Fort Southwick). Buco (Fort Southwick).
	Admiral Supt., Portsmouth Capt. D.1. Portsmouth H.M.S. EXCELLENT	H.Q. Naval Despatch Boat Service. Trawler Depot Ship.
	H.M.S. MARSHAL SOULT	
Queenborough (near Sheerness)	Capt. M/S Sheerness	
	H.M.S. ST. TUDNO WILDFIRE II	Queenborough M/S Base. Landing Craft Base.
Ramsgate	N.O.I.C. Ramsgate H.M.S. FERVENT	Coastal Force Base. Coastal Force Base.
Richborough (Sandwich, Kent)	H.M.S. ROBERTSON	Landing Craft Base.
Rye (Sussex)	R.N.O. Rye H.M.S. HAIG	Landing Craft Base.
Near Ryde, Isle of Wight	H.M.S. MEDINA	Landing Craft Base (L.B.V.).
Salcombe	COUSNAAB	U.S.N. Advanced Amph. Base.
	R.N.O. Salcombe	
Saltash	COUSNAMTSB	U.S.N. Advanced Amph. Training Sub-Base.
Seaford (Tidemills)	Hard "C.2"	L.C.T. Hard (4 berths).
Selsey	S.N.O. Selsey	PHOENIX and WHALE Assembly.
Sheerness	Commodore-in-Charge Sheerness	
"	H.M.S. WILDFIRE	
Shoreham	H.M.S. LIZARD R.N.O. Shoreham	Landing Craft Base. C.F. Repair facilities available.
" (Inner)	Hard "K"	L.C.T. Hard (5 berths).
" (Outer)	Hard "H"	L.C.T. Hard (4 berths).
Southend	Commodore-in-Charge, Southend H.M.S. LEIGH H.M.S. WESTCLIFF	

LOCATION	U.K. SHORE AUTHORITIES AND EMBARKATION HARDS	REMARKS
Southsea		L.C.I. Loading Point at South Parade Pier.
Southampton	F.O.I.C. Southampton H.M.S. SHRAPNEL D.S.T.O. Southampton H.M.S. SQUID H.M.S. ABATOS Hard "S.1" Hard "S.2" Hard "S.3" Hard "S.4"	Landing Craft Base Depot. Force PLUTO. L.S.T. Hard (2 berths). L.S.T. Hard (2 berths). L.S.T. Hard (2 berths). L.C.T. Hard (2 berths).
" East of Berth 101 (Hard) " East of Royal Pier " East of Town Quay " Dibbles Wharf		
St. Mawes	C.O., USNAATSB	U.S.N. Advanced Amph. Training Sub-Base.
Stanswood Bay (Hard)	Hard "Q.2"	L.C.T. Hard (3 berths).
Stokes Bay (Hards)	H.M.S. PORCUPINE II	L.C.T. Hards Nos. "G.1", "G.2", "G.3" "G.4" (each with 4 berths).
Swansea	N.O.I.C. Swansea H.M.S. LUCIFER	
Tamerton Foliot (Hamoaze River)	H.M.S. FOLIOT I H.M.S. FOLIOT III	Land Craft Base.
Teignmouth	R.N.O. Teignmouth C.O., USNAATSB	U.S.N. Advanced Amph. Training Sub-Base.
Tilbury	Captain-in-Charge Tilbury H.M.S. ST. CLEMENT Hard "N.Z.1" Hard "N.Z.2" Hard "N.Z.3" Hard "N.Z.4" Hard "N.Z.5"	Landing Craft Main- tenance Base. L.C.T. Hard (4 berths). L.C.T. Hard (4 berths). L.S.T. Hard (1 berth). L.S.T. Hard (1 berth). L.S.T. Hard (2 berths).
" Docks Main Dock West		
" Docks Main Dock Gate East		
" Docks West Branch Dock		
" Docks Centre Dock		
" Docks East Dock		
Torquay	R.N.O. Torquay Hard "P.Y"	L.C.T. Hard (4 berths).
Warsash (Hamble River)	H.M.S. TORMENTOR	Landing Craft Maintenance Base.

LOCATION	U.K. SHORE AUTHORITIES AND EMBARKATION HARDS	REMARKS .
Weymouth	F.O.I.C. Portland H.M.S. GRASSHOPPER H.M.S. PURBECK	Landing Craft Base. Landing Craft H.Q. Establishment.
Yarmouth (Isle of Wight)	H.M.S. MANATEE	Landing Craft Base.

III. PORTSMOUTH

Commander-in-Chief Admiral Sir Charles J. C. Little, G.B.E., K.C.B.
 Chief-in-Staff Commodore E. G. H. Bellars.

Station	F.O.I.C. or N.O.I.C.
Newhaven	Vice-Adl. R. V. Holt, C.B., D.S.O., M.V.O. (retd.) (N.O.I.C.)
Poole	Commander C. B. Hastings, R.N. (retd.) (N.O.I.C.)
Portland	Vice-Adl. G. T. C. Swabey, C.B., D.S.O. (retd.) (F.O.I.C.)
Portsmouth	Vice-Adl. M. L. Clarke, D.S.C. (Adl. Supt. H.M. Dockyard)
"	Commodore H. B. Jacomb, C.B.E., (Cdre. R.N. Barracks)
Southampton	Vice-Adl. Sir James M. Pison, K.B.E., C.B., C.M.G., M.V.O., (retd.) (F.O.I.C.)

IV. PLYMOUTH

Commander-in-Chief Admiral Sir Ralph Leatham, K.C.B.
 Chief-of-Staff Commodore C. Caslon, C.B.E.

Station	F.O.I.C. or N.O.I.C.
Appledore	Rear-Adl. H. G. C. Franklin, (retd.) (N.O.I.C.)
Cardiff	Admiral Sir Hugh T. Binney, K.C.B., D.S.O. (retd.) (F.O.I.C.)
Dartmouth	Vice-Adl. the Hon. A. C. Strutt, C.B.E. (retd.) (N.O.I.C.)
Devonport	Vice-Adl. A. N. Dowding, C.B., (retd.) (Adl. Supt. H.M. Dockyard)
"	Commodore L. C. P. Tudway, D.S.O., D.S.C., (Cdre. R.N. Barracks)
Falmouth	Adl. Sir G. F. Edward-Collins, K.C.B., K.C.V.O., (retd.) (F.O.I.C.)
Milford Haven	Vice-Adl. B. W. M. Fairbairn, C.B.E. (retd.) (F.O.I.C.)

V. WESTERN APPROACHES

Commander-in-Chief Admiral Sir Max. K. Horton, K.C.B., D.S.O.,
 Chief-of-Staff Commodore I. A. P. MacIntyre, C.B.E., D.S.O.

Station	F.O.I.C. or N.O.I.C.
Avonmouth	Vice-Adl. Sir Robert A. Hornell, K.B.E., D.S.O. (retd.) (N.O.I.C.)
Ardrossan	Capt. J. L. Field, R.N. (retd.) (N.O.I.C.)
Aultbea	" E. L. B. Lockyer, D.S.O., R.N. (retd.) (N.O.I.C.)
Barrow-in-Furness	Rear-Adl. D. B. Le Mottee, (retd.) (N.O.I.C.)
Barry	Adl. Sir H. Ralph Crooke, K.B.E., C.B., (retd.) (N.O.I.C.)
Campbeltown	Captain B. H. Hall-Thompson, R.N. (N.O.I.C.)
Dunoon	" R. H. Bevan, R.N. (L/S Training School)
Glasgow	Vice-Adl. Sir J. A. G. Troup, K.B.E., C.B., (retd.) (F.O.I.C.)
Greenock	" Sir Richard A. S. Hill, K.B.E., C.B. (retd.) (F.O.I.C.)
"	Rear-Adl. H. S. Horan, D.S.C., (retd.) (Combined Op: Bases Western Approaches)
Holyhead	Act. Commander J. L. Younghusband, R.N. (N.O.I.C.)
I. of Man	Rear-Adl. J. S. C. Salmond, (retd.) (N.O.I.C.)
Lamlash	Vice-Adl. R. Eliot, C.B.E. (retd.) (N.O.I.C.)

V. WESTERN APPROACHES (Contd.)

Station	F.O.I.C. or N.O.I.C.
Largs.	Vice-Adl. Sir A.L. St G. Lyster, K.C.B., C.B.E., C.V.O., D.S.O., (F.O. Carrier Training)
"	Rear-Adl. G. L. Warren, (retd.) (R.A. Unallocated Landing-Ships)
Larne	Captain H. M. Pothergill, R.N. (retd.) (N.O.I.C.)
Liverpool	Rear-Adl. J. S. M. Ritchie, (retd.) (F.O.I.C.)
Loch Alsh	Captain B. C. Gourley, R.N. (retd.) (N.O.I.C.)
Londonderry	Commodore G. W. G. Simpson, C.B.E., (Cdre. (D) Western Approaches)
"	Captain J. B. Glencross, D.S.O. (retd.) (N.O.I.C.)
Northern Ireland	Rear-Adl. R. H. L. Bevan, C.B., D.S.O., M.V.O., (retd.) (F.O.I.C.)
Oban	Captain A. Stokes, (retd.) (N.O.I.C.)
Stranraer	" H. S. Bowlby, R.N. (retd.) (N.O.I.C.)
Swansea	" C. S. Inglis, D.S.O., R.N., (retd.) (N.O.I.C.)
Tobermory	Vice-Adl. Sir Gilbert O. Stephenson, K.B.E., C.B., C.M.G. (retd.)

VI. ROSYTH

Commander-in-Chief Admiral Sir William J. Whitworth, K.C.B., D.S.O.
Chief-in-Staff Vice-Adl. The Hon. E. R. Drummond, C.B., M.V.O. (retd.)

Station	F.O.I.C. or N.O.I.C.
Aberdeen	Adl. Sir R. H. T. Raikes, K.C.B., C.V.O., D.S.O. (retd.) (F.O.I.C.)
Blyth	Captain C. P. Claridge, R.N., (N.O.I.C.)
Cromarty	Commander M. P. Vavasour, R.N. (Kings Harbour Master)
Dundee	Rear-Adl. E. G. Robinson, V.C., O.B.E., (retd.) (N.O.I.C.)
Invergordon	Vice-Adl. L. L. P. Willan, (retd.) (N.O.I.C.)
Leith	Rear-Adl. C. A. M. Sarel, (retd.) (N.O.I.C.)
Methil	Captain E. A. B. Stanley, D.S.O., M.V.O., R.N. (retd.) (N.O.I.C.)
N. Shields	" R. B. C. Hutchinson, D.S.C., R.N. (retd.) (N.O.I.C.)
Rosyth	Rear-Adl. H. C. Bovell, C.B.E., D.S.O., (Adl. Supt. H.M. Dockyard)
Sunderland	Commander G. F. Bradshaw, D.S.O., R.N. (retd.) (N.O.I.C.)
Tees	Captain T. C. Armstrong, D.S.C., R.N. (retd.) (N.O.I.C.)
Tyne	Rear-Adl. Sir Wellwood G. C. Maxwell, K.B.E., C.M.G. (retd.) (F.O.I.C.)

APPENDIX O

GLOSSARY OF TERMS AND

ABBREVIATIONS

Section A	:	SHIPS AND CRAFT.
Section B	:	TERMS AND DEFINITIONS.

APPENDIX O

SECTION A. SHIPS AND CRAFT

Notes

- (1) Landing ships, craft and barges are classified as follows:-
- (a) Landing ships - all types over 200 feet in length.
 - (b) Major Landing Craft, (U.S.A. "Landing Craft") - all types under 200 feet in length which cannot be hoisted by ships.
 - (c) Minor Landing Craft (U.S.A. "Landing Boats") - all types that can be readily hoisted on board ships.
 - (d) Landing Barges - all barges or lighters converted from Commercial use.
- (2) Normal organisation of Landing Craft:-
- (a) British. Major and minor landing craft and landing barges. Flotilla - 12 craft: Division - 6: Sub-division -3. Two or more Flotillas formed a Squadron. Build up Flotillas of L.C.M. and L.C.V.P. - 16 craft.
 - (b) American. Landing ships, craft and barges - Flotillas of 36, sub-divided into groups of 12 and divisions of 6.
- (3) Speeds shewn are planning speeds and would in the case of landing craft be considerably reduced in bad weather.
- (4) Lifts shewn are those for an opposed assault, not the total transportable.

Abbreviation	Nomenclature	Remarks
A.E.	U.S. Ammunition Ship	-
A.D.	U.S. Destroyer Tender	-
A.G.C.	U.S. Assault Force Headquarters Ship	Equivalent to British L.S.H.
A.G.S.	U.S. Survey Ship	-
A.H.	U.S. Ambulance Ship	-
A.K.	U.S. Cargo Ship	-
A.K.A.	U.S. Cargo Ship Attack	Carried 6 L.C.V.P. and 8 L.C.M. (3) 400 men and 200 vehicles. Speed 14 knots.
A.M.	U.S. Minesweeper	-
A.P.	U.S. Transport Vessel, Personnel	-
A.P.A.	U.S. Transport Personnel, Attack	Similar to L.S.I.(L) carried up to 30 L.C.V.P. and 3 L.C.M.(3), 960 men and 80 vehicles. Speed 15 knots.
A.R.H.	U.S. Heavy Hull Repair Ship	-
A.R.L.	U.S. Landing Craft Repair Ship	Equivalent to British L.S.E.

SECTION A. SHIPS AND CRAFT (contd.)

Abbreviation	Nomenclature	Remarks
A.R.S.	U.S. Salvage Vessel	-
A.S.I.S.	Armament Stores Issuing Ship	-
A.T.	U.S. Ocean Going Tug	-
A.T.F.	U.S. Tug	Equipped for rescue work and fire fighting.
A.T.R.	U.S. Rescue Tug	-
A.T.S.	U.S. Fleet Salvage Tug	-
B.A.M.	British U.S. Minesweeper	U.S. Minesweeper transferred to R.N.
BAR	"Bar" Vessel	A Boom Defence Service Vessel of the "Bar" class used for mooring work.
B.B.	U.S. Battleship	-
B.D.V.	Boom Defence Vessel	-
B.M.	U.S. short title for a Monitor	-
B.S.	Belgian ship	-
B.Y.M.S.	British Yard Mine- sweeper	Cropesa and LL/SA minesweeper. Cruising speed 12 knots.
C.A.	U.S. Heavy Cruiser	-
C.B.	U.S. Large Cruiser	-
C.G.C.	U.S. Coastguard Cutter	Operated mainly as rescue craft in the U.S. Sea Rescue Group.
C.L.	U.S. Light Cruiser	-
-	Corncocks	Blockships which with one exception crossed the channel by their own power and were sunk in 2½ fathoms or less to form breakwaters.
D.B.R.	Dumb Barge (Ramped)	Barges manned and used by military personnel.
D.D.	U.S. Destroyer	May refer to a British Fleet Destroyer operating with U.S. forces.
D.E.	U.S. Destroyer Escort Vessel	May refer to a British Fleet operating with U.S. forces.
-	Dory	An 18 ft. craft (may be powered or dumb).
D.S.	Dutch Ship	-

SECTION A. SHIPS AND CRAFT (contd.)

Abbreviation	Nomenclature	Remarks
D.U.K.W.		A 2½ ton 6 wheeled amphibious truck which carries 25 fully equipped troops. Maximum beach load, 3½ tons. Speed on water, 6.4 m.p.h. and on land up to 50 m.p.h. Fuel; Petrol.
-	Eagle Ships	Former London - East Coast tourist paddle ships of between 800 to 1,500 tons converted to A/A patrol vessels. Used for the A/A Protection off the beaches.
F.D.T.	Fighter Direction Tender (U.S. Fighter Director)	Converted L.S.T.2 fitted with special radar and communication equipment, under naval command with an R.A.F. unit working the apparatus. Controls fighters in protection of shipping.
-	Fire Boats	Small fire fighting craft of the Army Fire Service which operate in ports and anchorages only.
F.M.S.	Fleet Minesweeper	U.S. Abbreviation, FM.
F.T.	Fuelling Trawlers	Converted LL minesweeping trawlers fitted with 33 ton tank for refuelling diesel driven landing craft. Speed 7 to 8 knots.
H.D.M.L.	Harbour Defence Motor Launch	72 ft. craft, asdic fitted. Speed 12 knots. Fuel: Diesel.
H.S.L.	High Speed Launch (U.S.A.V.R.)	R.A.F. Air/Sea Rescue Craft.
	Hospital Carriers	Bear same distinguishing marks as Hospital Ships, but may have inferior medical facilities. Fitted to carry water ambulances.
I.W.T. Tugs	Inland Water Transport Tugs	Small tugs manned and controlled by the military for work in inland waterways.
L.B.E.	Landing Barge (Emergency Repair)	Execute emergency repairs to minor landing craft. Carry spare parts for minor landing craft. Accommodate minor landing craft flotilla maintenance staffs. Speed 4½ knots. Fuel: petrol. (Coal galley).
L.B.F.	Landing Barge, Flak	Former Thames barges. Naval complement 5. Mount 40 mm. guns manned by R.A. and controlled by Army. Supplement A/A defence of assault beaches. Speed 5 knots. Fuel: Petrol.

SECTION A. SHIPS AND CRAFT (contd.)

Abbreviation	Nomenclature	Remarks
L.B.K.	Landing Barge, (Kitchen)	Converted L.B.V.(2) equipped to provide hot meals for ferry craft crews. Can cook for 800 men. Fuel: Petrol. (Oil fired galley).
L.B.O.	Landing Barge, Oiler	Refuel landing craft and barges. Equipped with 33 ton fuel tank. Speed $4\frac{1}{2}$ knots. Fuel: Petrol.
L.B.V.1	Landing Barge, Vehicle Mark I	A converted swim barge (Dumb). Ramped.
L.B.V.2	Landing Barge, Vehicle Mark II	Converted swim barge fitted with engines. Maximum speed $4\frac{1}{2}$ knots. Used chiefly as stores ferry craft, in particular for heavy engineering stores which cannot be carried by DUWKS. Fuel: Petrol.
L.B.W.	Landing Barge Water	L.B.V. fitted as a water carrier (capacity 33 tons) for distribution to landing craft and barges. Speed $4\frac{1}{2}$ knots. Fuel: Petrol.
L.C.A.	Landing Craft Assault	Carried in L.S.I. Land 30 fully equipped troops. Speed 6 knots. Fuel: Petrol.
L.C.A.(H.R.)	Landing Craft Assault (Hedgerow)	Project "Hedgerows" (24 60-lb. bombs), the blast from which clears a lane through wire and anti-personnel mines. Fuel: Petrol.
L.C.A.(O.C.)	Landing Craft Assault (Obstacle Clearance)	L.C.A. fitted with horizontal asdic and carrying L.C.O.C.U. (Landing Craft Obstacle Clearance Units).
L.C.C.	Landing Craft Control	Primary function control of landing craft movements off the U.S. beaches Act as a guide to groups of landing craft by use of special navigational and communication devices. Speed $12\frac{1}{2}$ knots. Fuel: Diesel.
L.C.E.	Landing Craft (Emergency Repair)	Converted L.C.V. Emergency hull repair equipment, and emergency firefighting apparatus. Speed $8\frac{1}{2}$ knots. Fuel: Petrol or Diesel.
L.C.F.	Landing Craft Flak	Converted L.C.T.(3) or (4). Provide protection for assault forces against close range air or E-boat attack. Secondary function, close support. Speed 7 knots. Fuel: Diesel.

SECTION A. SHIPS AND CRAFT (contd.)

Abbreviation	Nomenclature	Remarks
L.C.G.(L)	Landing Craft Gun (Large)	Gun Support. Craft. Converted L.C.T.(3) or (4) mounting two 4.7-in. guns on a false deck built over the hold. Provide close support fire during assault and subsequent advance. Speed 7 knots. Fuel: Diesel.
L.C.M.(1)	Landing Craft (Mechanised), Mark I	Function primarily in ship to shore ferry service. Carry-capacity tanks, armoured cars or M.T. vehicles up to 16 tons or 100 men. Length: 44 ft. 8 ins. Speed 5½ knots. Fuel: Petrol.
L.C.M.(3)	Landing Craft Mechanised (Mark III)	A ferry service craft capable of landing a 30-ton tank or motor vehicles or 60 men. Cannot be lowered when loaded. Length 50 ft. Speed 6 knots. Fuel: Diesel.
L.C.H.	Landing Craft Headquarters	A converted L.C.I.(L) functioning as a local Senior Officer's headquarters ship in the assault area and suitably equipped as regards communications. Fuel: Diesel. Speed 12½ knots. Can also lift 60 men.
L.C.I.(L)	Landing Craft Infantry (Large)	Personnel carrying craft which transport 200 fully equipped men (seated) and can disembark all troops over two bows in under 5 minutes. Speed 12½ knots. Length 160ft. Fuel: Diesel.
L.C.I.(S)	Landing Craft Infantry (Small)	Carry 96 fully equipped men below deck and 18 bicycles on upper deck. Troops disembarked by 4 ramps manhandled over bow sponsons. Length 104 ft. 8 ins. Speed 11½ knots. Fuel: Petrol 87 Octane.
L.C.P.(L)	Landing Craft Personnel (Large)	Personnel landing craft, carries 22 troops. No ramp. Cannot be lowered when loaded. Speed 10 knots. Length 36 ft. 8 ins. Fuel: Petrol.
L.C.P.(L) Smoke	Landing Craft Personnel (Large) Smoke layer	L.C.P.(L) fitted out to lay smoke. Speed 7 to 10 knots. Fuel: Petrol.
L.C.P.(R)	Landing Craft Personnel (Ramped)	Similar in hull design to an L.C.P.(L) but ramped. Carries up to 25 fully equipped men. Length 26 ft. 3 ins. Speed 7½ to 8 knots. Fuel: Petrol, some Diesel.

SECTION A. SHIPS AND CRAFT (contd.)

Abbreviation	Nomenclature	Remarks
L.C.P.(S)	Landing Craft Personnel (Small)	Capable of carrying 20 fully equipped men. Certain of these craft specially modified to serve as water ambulances, carry 6 stretcher cases. Not ramped. Speed $5\frac{1}{2}$ knots. Length 29 ft. 6 ins. Fuel: Petrol.
L.C.P.(Sy.)	Landing Craft Personnel (Surveying)	An L.C.P.(L) modified for hydrographic duties. Length 38 ft. 8 ins. Fuel: Petrol or Diesel.
L.C.S.(L) 2	Landing Craft Support (Large), Mark II	Support the assaulting forces by light artillery fire from close inshore. Length 104 ft. 8 ins. Speed $11\frac{1}{2}$ knots. Fuel: Petrol.
L.C.S.(M)	Landing Craft Support (Medium)	Provide close support by means of M.G. fire and smoke cover. Can be hoisted fully loaded and can be beached. Length 40 ft. 9 ins. Speed 7 knots. Fuel: Petrol.
L.C.S.(S)	Landing Craft Support (Small)	Small craft functioning similarly to L.C.S.(M). Used as control vessels to lead in D.D. tanks. Fuel: Petrol. (Used in "Neptune" by U.S. only).
L.C.T.(3)	Landing Craft Tank (Mark III)	Land an average of 55 men and 11 vehicles. Length 191 ft. 11 ins. Speed 8 knots. Fuel: Diesel and 87 Octane Petrol.
L.C.T.(4)	Landing Craft Tank (Mark IV)	Carrying capacity 55 men and 11 vehicles. Length 187 ft. 3 ins. Speed 6 knots. Fuel: Diesel.
L.C.T.(5) and L.C.T.(6)	Landing Craft Tank (Marks V and VI)	Similar carrying capacity to L.C.T. 3 and 4. Speed $5\frac{1}{2}$ knots. Length of L.C.T.(5) 112 ft. 4 ins. Fuel: Diesel.
L.C.T.(A)	Landing Craft Tank (Armoured)	Converted L.C.T.(5), armoured carry 2 or 3 tanks with 95 mm. guns. two of which provide close support for assault by direct aimed fire using H.E. shell. Fuel: Diesel.
L.C.T.(C.B.)	Landing Craft Tank (Concrete Buster)	Carry 2 or 3 tanks each mounting 17-pdr. guns which provide high velocity fire for attacking concrete.
L.C.T.(H.E.)	Landing Craft Tank (High Explosive)	As L.C.T.(A) but unarmoured.

SECTION A. SHIPS AND CRAFT (contd.)

Abbreviation	Nomenclature	Remarks
L.C.T.(R)	Landing Craft Tank (Rocket)	An L.C.T.(3) fitted with 5 in. rocket projectors to provide H.E. drenching fire on an area target prior to touch down. Length 160 ft. Speed 8 knots. Fuel: Diesel.
L.C.V.P.	Landing Craft Vehicle (Personnel)	U.S. Assault craft which are also used in the ferry service. Are ramped. Carry one 8 cwt. vehicle or 30 men. Speed 8½ knots. Fuel: (U.S.) Diesel, (Br.) Petrol.
L.S.D.	Landing Ship (Dock)	Provide emergency docking facilities for repairs to small craft and transport damaged craft to repair bases in United Kingdom. Function as a floating dock. Landing Craft with load can be carried in their centre well. In transport area centre well is flooded and craft move out under their own power.
L.S.E.	Landing Ship (Emergency Repair)	Converted L.S.T.2 equipped to execute emergency repairs to major landing craft, destroyers, escort vessels, minesweepers, trawlers and coasters in the assault area. Carry spares for major landing craft and heavy spares for minor landing craft.
L.S.H.(U.S. A.G.C.)	Landing Ship Headquarters	Ex-merchant ships of 7,000 or 8,000 tons converted to serve as Force Commanders Headquarters Ships. Accommodate Force H.Q. staff and large communication complement. Speed 15 knots.
L.S.I.(L)*	Landing Ships, Infantry (Large)	Converted merchant ships ranging from 7,300 to 14,000 tons. For the assault some carry 24 L.C.A. Others 18 L.C.A. Both types carry 1,100 troops. Speed 16 knots.
L.S.I.(M)	Landing Ships, Infantry (Medium)	Former Dutch cross-channel and two similar Canadian ships of between 3,500 and 4,000 tons. Carry 8 craft and 400 to 440 troops in an assault. Speed 20 knots.
L.S.I.(S)	Landing Ships, Infantry (Small)	Former Belgian cross-channel ships of between 3,100 and 3,700 tons. Carry 8 craft and 240 troops in an assault. Speed 20 knots.

* Some L.S.I.(L) and L.S.I.(H) are Red Ensign ships.

SECTION A. SHIPS AND CRAFT (Contd.)

Abbreviation	Nomenclature	Remarks
L.S.I. (H)*	Landing Ships, Infantry (Hand Hoisting)	Former cross-channel ships of between 2,400 and 4,200 tons. Carry 6 craft and 360 troops in an assault. Speed 15 knots. Some L.S.I.(H) equipped with portable electric winches for hoisting landing craft.
L.S.S.	Landing Ship (Stern chute)	Converted train ferries of 2,500 tons fitted with stern chutes. Carrying capacity up to 13 minor landing craft. Speed 11½ knots.
L.S.T.(1)	(Landing Ship, Tank, Mark 1	MISOA, BACHAQUERO and TASAJERA, ramped ships which transport 35 vehicles and 175 men. Speed 8 knots. Can beach.
L.S.T.(2)	Landing Ship, Tank, Mark II	Carry 300 troops and 60 tanks and vehicles and can beach. Displacement 1,490 tons light and 3,776 tons loaded. Speed 9 knots. A number fitted for casualty evacuation. Lift L.C.V.P. at davits. Fuel: diesel.
L.V. T.	Landing Vehicle Tracked or Alligator	A tracked amphibious vehicle with a carrying capacity of 4,500 lb. of cargo or 24 men. Speed on water 5 to 6 m.p.h. and up to 11 m.p.h. on land.
-	Large Stores Coaster	Type A - Carry 900 tons of stores. Type B - Carry 1,1750 tons of stores. Both have speeds of 7½ knots.
-	Mulberry Control Ship	Term used to cover all control ships concerned with the control of the building of Mulberries.
M.F.V.	Motor Fishing Vessel	-
M.G.B.	Motor Gunboat	70 ft. to 110 ft. craft. Speed 30 to 40 knots. Fuel: petrol.
M.L.	Motor Launch	110 ft. craft asdic fitted. Speed 18 knots. Fuel: petrol 87 octane.
M/L	Minelayer	-
M.M.S.	Motor Minesweeper	LL/SA Sweepers. Some 105 ft. other 126 ft. Speed 8 to 10 knots. U.S. Abbreviation, M.M.

* Some L.S.I.(L) and L.S.I.(H) are Red Ensign ships.

SECTION A. SHIPS AND CRAFT (Contd.)

Abbreviation	Nomenclature	Remarks
M/S	Minesweeper	-
-	Medium Stores Coaster	Carries 450 tons of stores. Speed 6 knots.
M.T.B.	Motor Torpedo Boat	70 ft. to 130 ft. craft. Speed 30 to 40 knots. Fuel: petrol, 100 octane.
M.T. Coaster	Mechanised Transport Coaster	Coaster transporting 40 vehicles and 160 troops. Speed 7½ knots.
M.T. Ships	Mechanised Transport Ships	Merchant Ships of Liberty Ship type, whose primary function is to transport Army mechanised vehicles. Carry 120 vehicles and 480 men. Speed 9 knots.
O.B.B.	U.S. Old Battleship	-
O.C.A.	U.S. short title for and old cruiser.	-
-	"O" Trawlers	Cropesa Minesweeping trawlers.
N.A.B.	Naval Auxiliary Boat	L.C.P. degraded for harbour duties are included under this title.
N.S.	Norwegian Ship	-
N.S.B.	Naval Servicing Boat	L.C.A. or L.C.M. degraded for harbour duties.
-	Personnel Ships	Passenger ships functioning as cross-channel troop transports. (Some L.S.I. during the build-up).
P.B.R.	Power Barge Ramped	Barges manned and used by military personnel.
P.C.	U.S. Patrol Vessel - submarine chaser	-
P.F.	U.S. Frigate	May be used to refer to British Frigate operating with U.S. forces.
P.G.	U.S. Corvette	May be used to refer to a British Corvette operating with U.S. forces.
P.S.	Polish Ship	-
P. Party Tenders	Whalers	Whalers carrying stores and equipment for use by P. Parties in clearing captured ports of mines and such other underwater devices as are a naval responsibility.

SECTION A. SHIPS AND CRAFT (Contd.)

Abbreviation	Nomenclature	Remarks
P.T.	U.S. Motor Torpedo Boats	-
P/W Control Ship	Phoenix/Whale Control Ships	Ships controlling the movements of Phoenix and Whale units.
R.M.L.	Rescue Motor Launch	Naval manned craft 110 ft. in length. Speed 18 knots. Fuel: petrol. 87 octane.
S.C.	U.S. Submarine Chaser	-
S.G.B.	Steam Gun Boats	150 ft. craft. Speed 30 knots. Fuel: special oil.
-	Small Stores Coaster	Carries 200 tons of stores. Speed 6 knots.
S.T.	U.S. Small Tug	-
T.B.	Torpedo Boat	-
T.H.V.	Trinity House Vessels (or Trinity House Tenders)	Fly the Red Ensign. Carry out buoy laying duties under the orders of C. in C. Portsmouth, or the appropriate Task Force Commander.
-	Vultures	Obsolete ex "Eagle" type paddle steamers.
W.A.	Water Ambulances	Similar to L.C.P.(S) but fitted to carry stretchers.
X.A.P.	-	U.S. ship converted to an A.P.A.
X. craft	Midget Submarine	A midget submarine adapted to carry C.O.P.P. personnel. May be used in conjunction with an inflatable dinghy for assault marking purposes.
Y.M.S.	U.S. Motor Minesweepers	U.S. abbreviation Y.M.
Y.M.T.	U.S. Motor Tugs	-
Y.T.	U.S. Harbour Tugs	-

SECTION B. TERMS AND DEFINITIONS

A/A	Anti-Aircraft	-
A.A.O.R.	Anti-Aircraft Operations Room	-
-	Abaster	Code name for Pluto Depot at Tilbury for rewinding Conun Drums.

SECTION B. TERMS AND DEFINITIONS (Contd.)

Abbreviation	Nomenclature	Remarks
A.B.M.	Assistant Beachmaster	See Beachmaster
A.B.S.S.	Advance Beach Signal Station	-
A.D.G.B.	Air Defence of Great Britain	-
A.D.L.S.	Air Despatch Letter Service	-
A.E.A.F.	Allied Expeditionary Air Force	-
A.F.	Assault Force	Each Naval Assault Force comprises a number of Assault Groups (usually three) and lifts a division.
A.F.V.	Armoured Fighting Vehicle*	-
A.G.	Assault Group or Army Group	A formation of landing ships and craft which lifts a Brigade Group.
A.G.M.	Admiralty General Message	-
A.I.G.	Address indicating group	-
A.M.C.	Air Marshal Commanding	-
-	Amethea	A 10 in. floating pipeline 2,000 ft. to 3,000 ft. in length used in operation "Pluto". Towed into position and sunk to form a ship-to-shore pipe for discharging tankers moored offshore.
A.N.C.X.F.	Allied Naval Commander-in-Chief, Expeditionary Force	-
A.O.C.	Air Officer Commanding	-
A.O.P.	Air observation post	Small aircraft flown by Artillery Officers and normally used for observation of army gunfire.
-	Area Screen (U.S.)	Assault Area Surface Patrol.
A.R.V.	Armoured Recovery Vehicle	-
A.S.R.S.	Air Sea Rescue Service	-

* Army Term.

SECTION B. TERMS AND DEFINITIONS (Contd.)

Abbreviation	Nomenclature	Remarks
A/S	Anti-submarine	-
A.V.R.E.	Armoured vehicle, Royal Engineers	A tank with turret removed and specially equipped for moving beach obstacles. Manned by Royal Engineers.
-	Eaker Dolphins	Folding Dolphins for L.S.T. pierhead extensions in Mulberries.
B.A.C.	Base Area Commandant*	-
-	Bambi	Code names for the home terminal of the Pluto cross-channel pipelines in Sandown Bay, Isle of Wight.
B.C.C.	Beach Company Commander*	-
-	Beach Commandos	Naval units specially trained in the control and handling of landing craft of an Assault Brigade Group on the beaches. The naval element of the Beach Group.
B.C.W.	Bombardment Calling Wave	-
B.D.S.	Beach Dressing Station*	-
-	Beach Group	Naval and military personnel landed with an Assault Force to help in the beaching and securing of landing craft and in the unloading and handling of stores across the beaches.
B. Gp. C.	Beach Group Commander*	-
B.L.O.	Bombardment Liaison Officer	An artillery officer embarked in a warship to assist the ships to interpret calls for and observation of fire, and to keep the Commanding Officer up to date with the military situation.
B.M.	Beachmaster	The naval officer in charge of the naval operations on each beach. Is responsible to the Principal Beachmaster (q.v.) and forms part of the Beach Group.
B.M.A.	Beach Maintenance Area	-

* Army Term

SECTION B. TERMS AND DEFINITIONS (Contd.)

Abbreviation	Nomenclature	Remarks
Beach N.O.I.C.	Beach Area, N.O.I.C.	Naval Officers of Captain's rank responsible to their respective Assault Force Commanders for all naval matters ashore in their area.
B.P.C.	Beach Platoon Commander*	-
-	Beach Signals Unit	A unit comprising an R.N. and a military section allotted to a Brigade Assault Group for shore-to-ship and inter-beach communications.
-	Beach Sub-Area	Headquarters Beach Sub-area controls one or more Beach Groups and is responsible for the flow of personnel, stores and equipment through Beach Group Areas.
-	Bombardon	200 ft. long cruciform floating steel structures which, moored end-on in a line, form a shelter in an outer deep water anchorage outside the Phoenix breakwater.
-	Bookrest (Conger)	Apparatus fitted in L.C.A. (H.R.) which consists of a 5-inch rocket projector attached to 300 yards of canvas hose filled after projection by liquid explosive. Designed to clear a path for tanks up to 300 yards long through anti-tank mines laid in shallow water or a beach above the water line.
-	Braithwaite Pontoons	Individual tank pontoons each 13 ft. by 5 ft. 6 in. by 5 ft. 6 in. Pack flat to save space but take longer to assemble than N.L. Pontoons.
Buco	Build up Control Organisation	An inter-service organisation working at Portsmouth which adjusted the movements of ships and craft of all types and their military loads to meet the requirements of the Supreme Allied Command for the Build up.
-	Build up	Ships and craft conveying the military formations landed after the follow up.
Capt. L.B.	Captain-in-Charge, Landing Barges	-

* Army Term

SECTION B. TERMS AND DEFINITIONS (Contd.)

Abbreviation	Nomenclature	Remarks
Capt. M.L.C.	Captain in Charge, Major Landing Craft	-
Capt. M.S. (E)	Captain, Minesweeping, E.T.F.	-
Capt. N.S.	Captain Northbound sailings	-
Capt. P.	Captain Patrols	-
Capt. S.S.	Captain Southbound Sailings	-
C.C.F.	Captain Coastal Forces	-
C.C.O.	Chief of Combined Operations	-
C.C.S.	Casualty Clearing Station*	-
C.E.O.	Casualty Evacuation Officer*	-
-	Christchurch Ramps	Portable extension ramps carried by L.S.T. and Landing Craft for use at hards when loading "awkward vehicles".
C.F.	Coastal Forces	-
C/M	Controlled mines	-
Com. D.S.	Commodore, Deport Ships	-
C.O.P.P.	Combined Operations Pilotage Party	Primary role, reconnaissance. Embarked in L.C.P.(L) during assault to lead D.D. tanks to beaches.
C.O.S.	Chief of Staff	-
C.O.S.U.	Combined operations scout unit	-
-	Control Force (U.S.)	A force comprising minesweepers, salvage and fire-fighting vessels, area screen, Sea Rescue and Reserve Support Groups operating under the direct command of Naval Commander, Western Task Force in the Control Force Flagship.

* Army Term

SECTION B. TERMS AND DEFINITIONS (contd.)

Abbreviation	Nomenclature	Remarks
-	Conun Drums	Code name for floating drums from which Hamel pipe reeled off as they were towed across the sea in Operation "Pluto".
Corep	Combined operations repair organisation	An organisation (with headquarters in Admiralty) established in the major ports for co-ordinating and allocating to yards for repairs all damaged and defective ships and craft (including Red ensign ships) employed in the operation.
C.S.O.	Chief Staff Officer	-
C.T.F.	Commander, Task Force (U.S.)	-
-	D.D. Tanks	Tanks launched from L.C.T. 3 to 6 miles off beaches, capable of "swimming" ashore under their own power.
D.E.M.S.	Defensively equipped merchant ship	-
D.I.D.	Detailed Issue Depot*	-
-	Dispersal Points	Position at which groups of L.S.I. or A.P.A. forming one convoy disperse to proceed to their individual landing beaches or lowering positions.
-	Division (Landing Craft)	A squadron or flotilla of landing craft is divided into two divisions normally of six craft.
D.R.L.S.	Despatch Rider Letter Service	-
D/S.O.A.G.	Deputy Senior Naval Officer, Assault Group	The Naval Officer through whom a Senior Officer Assault Group controls the landing ships, craft and barges in his allotted area during the assault.
D. of S.T.	Director of Sea Transport	-
-	Dry out	A landing ships craft or barge is said to dry out when the falling tide leaves her no longer water borne.

* Army Term.

SECTION B. TERMS AND DEFINITIONS (contd.)

Abbreviation	Nomenclature	Remarks
-	D-Tows	Mulberry Units towed across Channel from Dungeness and numbered D.1, D.2 etc.
-	Dumbo	Code name for home terminal of the Pluto Cross-Channel pipelines on the south-east face of Dungeness.
E.B.E.	Emergency Bridge Equipment*	-
E.C.H.B.	English Channel Handbook	-
E.O.F.B.	Engineer Officer, Forward Beaches	-
E.S.O.	Embarkation Staff Officer*	-
E.T.F.	Eastern Task Force	-
F.B.E.	Folding Boat Equipment*	-
F.D.O.	Fighter Direction Officer	-
-	Fire Support Groups (U.S.)	The bombarding groups of the U.S. Naval Assault Forces.
-	Fire Support Ships (U.S.)	Bombarding Ships.
-	Follow up	Formations and stores landed immediately after the assault formations from naval landing ships and craft.
F.O.B.	Forward Observer, Bombardment	An Artillery Officer responsible for calling for and observing ships' gunfire and for passing back important tactical information to the bombarding or headquarters ships.
F.O.B.A.A.	Flag Officer, British Assault Area	-
F.O.I.C.	Flag Officer-in-Charge	-
F.O.O.	Forward Observation Officer*	U.S. Forward Observer, F.O.
F.O.W.	Flag Officer (West) U.S.	-
F.S.	Ferry Service	Minor landing craft, barges, L.C.T. and amphibious vehicles which ply between ships in the anchorage and the beaches to discharge personnel, vehicles and stores.

* Army Term.

SECTION B. TERMS AND DEFINITIONS (contd.)

Abbreviation	Nomenclature	Remarks
-	Ferry Craft Unit	The formation of minor landing craft, L.V.V.2 and supply and repair barges allocated to one beach sector and controlled by the Senior Officer Ferry Craft.
G.C.C.	Group Control Centre	U.S. Air Warning Centre, A.W.C.
G.D.A.	Gun Defended Area	-
-	Gooseberries	Craft shelters or small havens formed of 60 to 70 blockships sunk near the 2 fathom line to provide sheltered water for the discharge of ferry craft.
H.A.I.S.	-	A flexible pipeline laid in operation "Pluto". Similar to electric cable but without the inner core and laid in the same way.
-	Hamel	Steel pipe wound round a drum 50 ft. in dia. and laid in operation "Pluto".
-	Hard	A prepared approach and section of the shore where personnel or vehicles embark under the joint control of a Military Embarkation Staff Officer and Naval hardmaster.
H.E.C.P.	Harbour Entrance Control Post (U.S.)	Port war signal station.
-	Helter Skelter	A canvas shute down which troops are transferred from L.S.I. to landing craft.
I.A.Z.	Inner Artillery Zone*	-
I.W.T.	Inland Water Transport*	-
-	"Jantzen" Type Mooring	A stern buoy for use of coasters to prevent their broaching to during beaching and unbeaching.
L.C.O.C.U.	Landing Craft Obstacle Clearance Unit	-
L.C.R.U.	Landing Craft Recovery Units	Naval units which recover, service and execute emergency repairs to craft on the beaches.

* Army Term.

SECTION B. TERMS AND DEFINITIONS (contd.)

Abbreviation	Nomenclature	Remarks
-	Lift	The aggregate number of personnel, vehicles or equipment which can be carried overseas.
L. of C.	Line of Communication*	-
-	Lowering positions	U.S. Transport Area. Positions in which L.S.I. and A.P.A. lower their landing craft.
L.S.T. Piers	-	Military piers at which L.S.T. can discharge inside the Mulberries at all states of the tide.
M.A.R.U.	Mobile Air Reporting Unit [∕]	-
M.B.S.S.	Main Beach Signal Station	U.S. Main shore party signal station (M.S.P.S.S.).
M.C.	Maintenance Commander, or Movement Control*	-
-	Metheos	Code name for base for Amethea pipelines in Exmouth Harbour.
M.L.C.	Major Landing Craft	-
M.L.O.	Military Landing Officer	-
M.L.R.U.	Mobile Land Repair Unit	A mobile lorryborne unit which executes repairs to landing craft in the assault area and other areas within easy reach. Also assists with port repairs. Maintains liaison with R.E.M.E. for maintenance of Naval vehicles.
M.S.F.	Minesweeping Flotilla	-
M.S.T.	Double Summer Time	Zone - 2 hours.
-	Mulberries	Artificial harbours on the enemy coast formed by a Gooseberry with additional breakwaters constructed of Phoenix and Bombardon units and military piers.
M.W.T. or M.O.W.T.	Ministry of War Transport	U.S. War Shipping Administration (W.S.A.).
N.A.L.O.	Naval Air Liaison Officer	-

* Army Term.

[∕] Air Force Term.

SECTION B. TERMS AND DEFINITIONS (contd.)

Abbreviation	Nomenclature	Remarks
N.A.T.	Naval Auxiliary Tug	-
N.C.E.T.F.	Naval Commander Eastern Task Force	-
N.C.S.O.	Naval Control Service Officer	-
N.C.W.T.F.	Naval Commander, Western Task Force	-
N.D.B.S.	Naval Despatch Boat Service	-
N.L.O.T.	Naval Liaison Officer, Transport	-
N.L. Causeway	Naval Landing Causeway	Causeways from the beaches to seaward constructed of N.L. pontoons. Up to 3,000 ft. in length and sunk secure by their own weight. Towed across the Channel by L.S.T. or other vessels.
N.L. Pontoon	Naval Landing Pontoon Equipment	Rectangular steel tanks 7 ft. wide by 5 ft. long by 5 ft. deep, weighing $1\frac{1}{2}$ tons each, bolted together with 9 in. spaces between the tanks to form an assembly of the width required. Maximum rigid structure is 30 pontoons long and 6 pontoons wide.
N. Leaders	Navigational Leaders	Coastal Forces craft (principally M.1.) and also some landing craft fitted with the most accurate navigational equipment available. Guides to assist landing craft in beach finding.
N.O.I.C.	Naval Officer in Charge	-
O.B.D.	Ordnance Beach Department*	-
O.P.	Observation post*	-
O/R	Onward routing or Other ranks*	-
-	Phoenix	200 ft. concrete caissons sunk in 5 fms. or less to form breakwaters in Mulberries. Varied from 6,000 to 2,000 tons.
-	Pier Roadways	Roadway part of a Whale unit (q.v.)

* Army Term.

SECTION B. TERMS AND DEFINITIONS (contd.)

Abbreviation	Nomenclature	Remarks
-	Planter	Naval Officer responsible for positioning and sinking of block-ships, caissons etc.
-	Pluto	Code name covering the whole operation of laying pipelines across the Channel for the supply of petrol to the Expeditionary Forces. Force Pluto refers to the cable ships, tugs, etc. employed on this operation. (See also Tombola and Amethea).
-	Port Parties	Naval and R.M. personnel landed to meet naval commitments in captured ports.
P.B.M.	Principal Beachmaster	A naval officer to whom is delegated the control of landing boats and craft operating inshore. Responsible for the ferry service within his area, having an agent afloat to control all ferry craft when they are on the sea, known as the Senior Officer Ferry Craft (S.O.F.C.).
P.C. and R.	Naval Port Clearance Parties	Naval Parties equipped to deal with enemy mines laid to deny berthing facilities in captured ports.
P.C.R.	Port Re-construction Companies	Military units responsible for the reconstruction of Quays, Jetties and Lock Gates.
-	Principal Collecting Officer	In charge of each collecting area in United Kingdom during build-up. Kept Turco informed of progress in re-forming L.C.T. Squadrons etc., and ordered them to waiting positions off hards etc. as directed by Turco.
P.E.C.	Port Executive Committee	-
P/L	Plain language	-
P.M.L.O.	Principal Military Landing Officer	-
P.O.L.	Petrol, oil and Lubricants, ports	Captured ports whose primary function is the supply of petrol oil and lubricants.
P.S.T.O.	Principal Sea Transport Officer	-

SECTION B. TERMS AND DEFINITIONS (contd.)

Abbreviation	Nomenclature	Remarks
P.S.V.O.	Principal Salvage Officer	-
P. Tows	-	Mulberry units towed across channel from Portland and numbered P.1, P.2 etc.
P.W.S.S.	Port War Signal Station	U.S. Harbour Entrance Control Post (H.E.P.C.).
R.A.F.E.U.	R.A.F. Embarkation Unit	-
R.A.M/P	Rear-Admiral, Mulberry and Pluto	-
R.C.M.	Radio Counter Measures	Radio transmissions executed by selected ships, craft and aircraft during the approach with the object of confusing the enemy as to the composition of our forces and their destination.
R.E.M.E.	Royal Electrical Mechanical Engineers	-
R.C.T.	Regimental Combat Team (U.S.)	A U.S. Army formation corresponding to a Brigade Group.
-	Reserve Support Group (U.S.)	Fire Support Group held in reserve, to augment or relieve naval gunfire support when ordered.
R.F.A.	Royal Fleet Auxiliary	-
R.M.E.	Royal Marine Engineers	-
R.N.A.S.	Royal Naval Air Station	-
R.N.O.	Resident Naval Officer	-
R/V	Rendezvous	-
-	Rhino Ferries	Pontoon barges 175 ft. by 42 ft. constructed of N.L. pontoons, designed for the carriage of vehicles. Towed to assault area and used for discharging L.S.T. Can be beached. Capacity about 40 vehicles. Self propelled to and from the beaches.
-	Salvage Group (U.S.)	The Group conducting salvage operations in the U.S. Assault area.
-	Screen Commander (U.S.)	Commander of the surface patrol ships in the W.N.T.F. Assault area.

SECTION B. TERMS AND DEFINITIONS (contd.)

Abbreviation	Nomenclature	Remarks
-	Sea Rescue Group (U.S.).	Provide rescue service along the cross channel route.
S.B.L.O.	Senior Bombardment Liaison Officer /	-
S.C.A.E.F.	Supreme Commander Allied Expeditionary Force	-
S.H.A.E.F.	Supreme Headquarters Allied Expeditionary Force	-
S.H.M.	Secret hand message	-
S.L.P.	Supply landing point*	-
S.N.O.	Senior Naval Officer	-
S.N.O.T. (or N.L.O.T.)	Senior Naval Officer, Transport	In certain Red Ensign ships operating with the Assault Forces a Senior Naval Officer Transport (Short Title S.N.O.T.) was borne to advise and assist the Master.
S.O.A.G.	Senior Officer Assault Group	A Naval officer of Captain's rank who is responsible for the naval aspects of the assault carried out by the Assault Group which he commands.
S.O.F.C.	Senior Officer Ferry Craft	A Naval officer operating afloat, responsible to the Principal Beach Master for the control of all ferry craft when they are on the sea.
S.P.	Signal Publication. Self propelled* or Starting Point*	U.S. Communication security publication (C.S.P.).
S.P. Artillery	Self propelled Artillery	Comprising guns mounted on Tank Chassis.
-	Shuttle Service	A continuous service of L.S.T., L.C.I.(L) and L.C.T. between England and France in which in addition to personnel ships, M.T. ships and coasters was carried the build up of our forces.

/ R.A.F. Term.

* Army Term.

SECTION B. TERMS AND DEFINITIONS (contd.)

Abbreviation	Nomenclature	Remarks
S. and R. Flotillas	Supply and Repair Flotillas	Landing barge flotillas consisting of L.B.O., L.B.W., L.B.E. concerned with the provision of fuel, water and repair facilities to landing craft off the beaches.
S.S.	Special Service	-
-	S.S. Brigade	Special Service Brigade composed of Commandos.
-	Spud Pierhead	The pierhead part of a Whale unit (Q.V.).
-	Stores Piers	Military piers in 3 fathoms (L.W.O.S.) alongside which coasters can discharge at all states of the tide.
S.T.	Supply Transport*	-
S.T.O.	Sea Transport Officers	-
-	Support Craft	L.C.G.(L), L.C.T.(R), L.C.S. and L.C.F. Provide supporting fire for assault from close inshore. (For gunnery details See. App. E.).
-	Swiss Roll	Rolls of floating roadway used for bridging the water gap.
T.A.F.	Tactical Air Force	-
-	Tombola	A 6 in. pipeline of a length up to 3,000 ft. used in operation Pluto. Hauled out from shore to a position where tankers are moored, and completed by a flexible hose connecting pipe-end to tanker for discharge.
-	Treadway Bridge (U.S.)	A double track bridge floated on rubber pontoon boats. Will take tanks or vehicles as well as personnel.
T.U.L.O.	Tank Unit Landing Officer	-
Turco	Turn Round Control	An interservice body set up in certain ports to assist Naval Commanders-in-Chief and Flag Officer-in-Charge, Home Commands, in the turn round control of shipping and craft in United Kingdom ports.

* Army Term.

SECTION B. TERMS AND DEFINITIONS (contd.)

Abbreviation	Nomenclature	Remarks
U.L.O.	Unit Landing Officer*	-
U.X.B.	Unexploded bomb.	-
V.L.R.	Vehicle Landing Ramp	A ramp for landing vehicles constructed of U.S. pontoon rafts to form a causeway from ship to shore.
V.P.	Vulnerable point	-
V/S.	Visual Signal	-
-	Waiting position	Positions at which groups of landing craft wait before receiving orders to proceed in to land and subsequently after returning from the beaches pending further orders.
-	Waterproofing	The method of preparing and protecting vehicles and equipment for their passage through the water after disembarkation. Tanks can be waterproofed to 6 ft. other vehicles to 3 ft.
-	Wave	A wave is portion of a flight of landing craft.
-	Whale	Military piers and pierheads for discharge of coasters and L.S.T./L.C.T. direct to shore. Unit 2,000 tons maximum.
W/T	Wireless Telegraphy	-
W.T.F.	Western Task Force	-
X.D.O.	Extended Defence Officer	-

* Army Term.

APPENDIX P

SOURCES

NOTE: The sources which have been principally used in the compilations of this Battle Summary are printed in Clarendon type.

M.051404/42	Provisional Assessment of Naval Implications of Operation "Round Up", 1943. (Admiral Ramsay).
C.O. (R)25	"Rattle", Record of Conference, 28th June-2nd July, 1943.
C.O.S.(43)416(O)	<u>Operation "Overlord": Appreciation and Plan.</u> (The "Cossac" Plan). (Lt.Gen. Morgan).
X.F.S.M.	A.N.C.X.F. Staff Memoranda.
X.F.P.M.	" Planning Memoranda.
X.F.S.P.M.	" Signal Planning Memoranda.
E.T.F.859/2	Eastern Task Force Naval Plan, 27th March, 1944.
S.H.A.E.F.(44)22	S.H.A.E.F. orders to A.N.C.X.F., 10/3/44.
" " "	" " " C. in C., 21 A.G. 10/3/44.
" " "	" " " " A.E.A.F. "
" " "	" " " C.G.1 A.G. 10/3/44.
O.N.	<u>Operation "Neptune", A.N.C.X.F. Naval Operation Orders, 10/4/44.</u>
O.N.C.O.	Operation "Neptune", A.N.C.X.F. Naval Communication Orders, 10/4/44.
O.N.A.D.	Operation "Neptune", A.N.C.X.F. Naval Administration Orders, 10/4/44.
ONEAST	<u>Operation "Neptune", N.C.E.T.F. Operation Orders.</u>
O.N.C.O. EAST	Operation "Neptune", N.C.E.T.F. Communication Orders.
B.A.A.D.O.	Operation "Neptune", N.C.E.T.F. British Assault Area Defence Orders.
ONEAST/G	Operation "Neptune", N.C. Force G Operation Orders.
ONEAST/J	Operation "Neptune", N.C. Force J Operation Orders.
J.O.I.	Operation "Neptune", N.C. Force J Operational Instructions.
ONEAST/S	Operation "Neptune", N.C. Force S Operation Orders.
ONEAST (SWORD)	Operation "Neptune", N.O.I.C. Area SWORD, Operation Orders.
BAADO (SWORD)	Operation "Neptune", N.C. Force S. Defence Orders, Area SWORD.
ONEAST/L	Operation "Neptune", N.C. Force L, Operation Orders.
ONWEST/2	<u>Operation "Neptune", N.C.W.T.F. Operation Orders.</u>
ONWEST/O	Operation "Neptune", N.C. Force O, " "

ONWEST/U	Operation "Neptune", N.C. Force U, Operation Orders.
ON PORTSMOUTH	" " Portsmouth Operation Orders.
O.N.A.D.I. PORTSMOUTH	" " " Administration Orders.
ON PLYMOUTH	" " Plymouth Operation Orders.
O.N.A.D.I. PLYMOUTH	" " " Administration Orders.
ON DOVER	" " Dover Command Orders.
D.C.I.	Plymouth Convoy Instructions.
C.B.04385A	<u>Operation "Neptune", Report by Allied Naval Commander-in-Chief, Vol.I.</u>
C.B.04385B	" " <u>Report by Allied Naval Commander-in-Chief, Vol.II., (containing Reports by N.C. Eastern Task Force, N.Cs. Assault Forces S, G and J)*.</u>
C.B.04385C	" " <u>Report by Allied Naval Commander-in-Chief, Vol.III, (containing Reports by N.C. Western Task Force, N.Cs. Assault Forces O and U)*.</u>
M/O.D.1295/44	Summary of "Neptune" Operation Orders, 31/5/44.
T.S.D.75/45	Summary of Naval Experiences and Recommendation arising from Operation "Neptune".
M.09003/44	Operation "Neptune", Report of N.C., Eastern Task Force.
	<u>Enclosure A.</u> Coastal Forces and Destroyer Operations in B.A.A. 6th-30th June, 1944.
	Annexe 1. H.M.S. SCYLLA, Report dated 6/7/44.
	" 2. Reports of Captain (Patrols) Captain G.J.1, dated 16/6/44. Captain D(26) dated 13/7/44. Captain (Patrols) dated 28/6/44.
	" 3. Action Reports, 29th and 55th M.T.B. Flotillas and 1st Coastal Force Flotillas.
	" 4. H.M.S. ARMERIA, Rept. dated 10/6/44. Squadron Leader, "N" L.C.T. Squadron, 10/6/44. H.M.S. SERAPIS, 29/6/44.
	<u>Enclosure B.</u> Report of Fighter Direction Officer in H.M.F.D.T.217.
	<u>Enclosure C.</u> Report of proceedings, Force S.)
	<u>Enclosure D.</u> " " " " G.)
	<u>Enclosure E.</u> " " " " J.)

* Enclosures to these reports are omitted in these C.Bs.

Enclosure F. Reports of proceedings, not included elsewhere.

- M.012017/44 Amphibicus operations: Invasion of Northern France. Western Task Force. (Cominch P-006).
- C.B. 3148
(Feb. '45) Gunnery Review, Normandy Bombardment experience.
- M.09677/A(44) App. to X.F. No. X/0911/6/62. Narrative of Rear-Admiral, Mulberry/Pluto, with enclosures.
- M.010686/44 Report on Operation "Overlord", Portsmouth Command.
- Enclosure No.1. I.O.W. Turco, (with 6 annexures).
- Enclosure No.2. Report of Commodore Commanding Landing Craft Bases.
- Enclosure No.3. Report of Captain, Coastal Forces, (Channel): (with 13 Appendices).
- Enclosure No.4. Report of F.O.I.C. Portland.
- Enclosure No.5. " " " Southampton.
- Enclosure No.6. " " N.O.I.C. Newhaven.
- Enclosure No.7. " " Admiral Superintendent, Portsmouth Dockyard.
- M.013435/44 Report on Operation "Overlord", Portsmouth Command; Minesweeping.
- M.08538/44 Report on preparation and execution, Operation "Neptune", Plymouth Command.
- M.010462/44 Operation "Neptune": Plymouth Command Supplementary Report.
- M.09122/44 Operation "Neptune": Report on preparation and execution, Nore Command.
- M.011299/44 Dover Command: Despatch 1st March - 25th September, 1944.
- M.08773/45 Despatch of the late Air-Chief-Marshal Sir Trafford Leigh-Mallory: Operations of Allied Expeditionary Air Force, 15th November, 1943 - 30th September, 1944.
- M.010535/45 Notes on the operations of 21st Army Group, 6th June 1944 - 5th May 1945, (War Office, B.M. 514 (M.T.16)).
- T.R./A/10 German War Diary of Naval Group Command West: 1-30 June 1944, (Kriegstagebuch Des Marinegruppenkom, Kommandos West).
- Report by the Supreme Commander to the Combined Chiefs of Staff on the operations in Europe of the Allied Expeditionary Force, 6th June, 1944 - 8th May 1945.
- "Normandy to the Baltic" by Field Marshal Viscount Montgomery of Alamein G.C.B.
- Naval Aspects of Operation "Neptune". Notes compiled by Lt.Com. T. H. Macbride U.S.N.R., U.S.N. Historical Section.

War Diaries of Home Commands, Home Fleet, A.N.C.X.F.,
F.O.B.A.A.

"Pink", "Red", and "Green" Lists.
Dispositions and Movements, Warships.
Historical Section War Diary and Signals.

Navy List, May, June, July 1944.

Cmd. 6843

'White Paper': German, Italian and Japanese U-Boat
casualties during the War.

C.B.04305

Details of Combined operations Landing Ships, (June 1944).

C.B.04304

Details of Combined Operations Landing Craft and Barges,
(June 1944).

CHRONOLOGY

OPERATION NEPTUNE

JUNE 1944

NOTE:- Following abbreviations are used in connection with unloading figures:- P = Personnel: V = Vehicles: S = Stores in Tons.

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
1st June	<p>1200 Admiral Sir Bertram Ramsay assumed operational command of NEPTUNE FORCES and control of operations in English Channel.</p> <p>Assault Forces loading and assembling. Force B - Plymouth, Cornish ports. " U - Plymouth, Devon ports. " O - Weymouth Area. First U.S. Build up Div: Bristol Channel.</p>	<p>Assault Forces loading and assembling. Force S - Portsmouth to Shoreham Area. " J - Portsmouth, Southampton. " G - Southampton. " L - Nore.</p>		<p><u>D. DAY 5TH JUNE</u> Cornocob Convoys had sailed from Oban 31st May for Assault Area. Remainder of NEPTUNE Forces in Assembly Areas, where loading had started 31st May. First meeting of Cs.in C. to consider weather forecast.</p>
2nd June	<p>Assault Forces loading and assembling.</p>	<p>Assault Forces loading and assembling.</p> <p>Bombarding Force D sailed from Clyde: H.M.S. NELSON sailed from Scapa for Milford Haven: midget S/Ms X23, X20 sailed from Portsmouth.</p>	<p>0220 M.T.Bs. 742, 749 (minelaying) engaged by enemy batteries off Cape de La Heve.</p>	<p>Cs.in C. meetings A.M. and P.M. <u>D. DAY 5TH JUNE.</u></p>
3rd June	<p>Bombarding Forces A and C sailed from Belfast.</p> <p>Assault Forces completing loading etc.</p> <p>P.M. Convoys U2A and U2B sailed from West Country Ports.</p>	<p>H.M.S. RODNEY and Bombarding Forces E and K sailed from Clyde.</p> <p>Assault Forces completing loading etc.</p>		<p>Weather cloudy, wind W, 3-4 backing to S.W., 5: Sea increasing to moderate.</p> <p>Cs.in C. meetings 0430 and 2130. <u>D. DAY 5TH JUNE.</u></p>
4th June	<p>Force U Convoys then off St. Catherine's Point, altered course for Weymouth about 0945, arriving after midnight.</p> <p>Bombarding Forces reversed course.</p>	<p>0500 S/Ms X23, X20 arrived off coast of Normandy:</p> <p>Bombarding Forces reversed course.</p>	<p>Mines reported in route of Force U (subsequently swept)</p>	<p>0415 Cs.in C. meeting: weather forecast pessimistic.</p> <p><u>0515 OPERATION POSTPONED</u></p> <p>Weather deteriorating. P.M. 1st Sea Lord visited A.N.C.X.F. Battle Headquarters.</p> <p>2115 Cs.in C. meeting. Decision taken to launch operation subject to review 0400, 5th June. <u>D. DAY 6TH JUNE.</u></p>

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
5th June D - 1. (Sunrise 0556 Sunset 2204)	U.S. Minesweeper OSPREY mined south of I. of Wight and sunk.		1800. Ten H.D.M.Ls. mark northern entrance to Approach Channels. Minesweeping Flotillas swept Channels through enemy mine Barrier as planned.	Weather, cloudy to overcast, clearing later, wind W.S.W. 5, veering to W.N.W. Waves 5 - 6 feet, visibility good. 0415 Cs. in C's. meeting <u>SUPREME COMMANDER MADE FINAL DECISION TO LAUNCH OPERATION: D. DAY 6TH JUNE.</u> W/T Cover plan put into operation.
Night 5th/6th June (Moonset 0526)	0230 - 0300 Bombarding Forces and leading ships of Assault Forces arrived and anchored as planned.	0500 - 0600 Bombarding Forces and leading ships of Assault Forces arrived and anchored as planned.	R.C.M. Operations as planned.	Allied air attacks on enemy defences during the night as planned. 0020 - 0415 Airborne Divisions dropped. 0130 First report of Airborne landing received in German Naval H.Q. (No movements ordered till 0309).
6th June D. DAY (Sunrise 0556 Sunset 2204)	<u>0635 - 0800 ASSAULT LANDINGS: COMPLETE SURPRISE ACHIEVED</u> Bombarding Forces supported landings according to plan and as required. <u>Force U.</u> H - hour 0630. Light enemy opposition. Landed 21328P, 1742V, 1695S. <u>Force O.</u> H - hour 0630. Pre - H - hour Air Bombing failed. Heavy enemy resistance: Assault troops pinned to beaches till 1100. Unloading far behind schedule by end of day.	<u>Force G.</u> H - hour 0725. Strong enemy resistance at Le Hamel till 1630, but all other first objectives captured by 1119. Landed 2497CP, 867V, 836S. <u>Force J.</u> H - hour 0735 - 0745. Landings 20 minutes late, but all beach objectives obtained by 1000. Landed 2140OP, 320OV, 250OS. <u>Force S.</u> German torpedo attack 0515: H.Nor.M.S. SVENNER sunk, H - hour 0725. Landing generally according to plan. Air attacks on beaches P.M.	H.M.S. WRESTLER mined east of Channel 7. 1205 German Coastal Batteries fired on Convoy E.T.M.1 passing Dover: S.S. SAMBUT sunk. 1640 Convoy E.T.P.1 passed Dover unmolested. 1850 5 U-Boats sighted by A/C S.W. of Ushant.	<u>Losses</u> of ships and landing craft much lower than expected: <u>damage</u> to L.C.T. and smaller craft higher, due to weather. Unloading generally behind schedule. German Destroyer Force (2 NARVIKS, TJERK HILDES, 1 ELBING) left Gironde: attacked on passage off St. Nazaire and damaged by Beaufighters.
Night 6th/7th June (Full Moon)	Enemy air attacks during night: U.S.S. ANCON narrowly missed by bombs.	no serious damage to shipping. Friendly transport A/C engaged in Sword Area. 8 E/R Boats engaged by M.T.Bs. and driven into Havre.	E-Boats operated against Cross Channel routes: all attacks driven off by patrols. A/C sighted 14 U-Boats in Western channel, damaged 3. None so far north as A/S Support Group.	

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
7th June D+1	<p><u>OMAHA</u> Area - Considerable enemy opposition continued. U.S. Transport S.B. ANTHONY mined.</p> <p>Unloading about 24 hours behind schedule. Landed (cumulative) 41928P, 2670V, 900S.</p> <p><u>UTAH</u> Area. Landing continued satisfactorily, despite bombing and occasional shell fire on beaches.</p> <p>Ground mines found on Cardonnet shoal: U.S.S. TIDE sunk. Landed. 10735P, 1469V, 807S.</p>	<p>Unloading slow in all areas. <u>GOLD</u>. 0600 H.M.S. BULOLO damaged by bomb. L.S.T. beached and dried out. Landed. 11660P, 2300V, 200S. Hosp: Ships DINARD and ST. JULIAN mined 1800 No.47 R.M. Comdo. captured Forten Bessin.</p> <p><u>JUNO</u>. Unloading much retarded by weather. Landed (cumulative) 21400P, 3200V, 2500S.</p> <p><u>SWORD</u>. Beaches under intermittent fire from Batteries on E. flank. Landed 5000P, 350V, 1100S.</p> <p>First convoy Corncocks arrived. Gooseberries commenced.</p> <p>All bombarding ships fully employed.</p>	<p>First Phoenix and Bombardon groups sailed from U.K.</p> <p>Approach Channels 12, 56, 78 each 2 miles wide completed: approximately 50 moored mines swept.</p> <p>Enemy batteries shelled Convoy E.T.M.2 in Dover Strait: no damage.</p> <p>2 U-Boats sunk by A/C (B. of Biscay).</p>	<p><u>WEATHER</u> continued rough, wind 5-6, dropped at noon.</p> <p>Supreme Commander and A.N.C.X.F. visited Assault Area in H.M.S. APOLLO. C.in C., 21 A.G. (Gen. Montgomery) crossed to France.</p> <p>Bayeux captured.</p>
Night 7th/8th June	Intermittent Air Bombing and Mining of Anchorages and Beaches.		<p>Seven actions off C.Barfleur between patrols and E-Boats.</p> <p>E-Boats sunk 1 L.C.I.(L), 1 L.C.T., damaged 1 L.C.T. in "SPOUT".</p> <p>H.M.S. OREDIENT engaged 4 E-Boats 27 miles south of Beachy Head.</p>	
8th June D+2	<p><u>OMAHA</u>. Situation on beaches improved. Unloading speeded up, but still congestion.</p> <p><u>UTAH</u>. Unloading proceeded rapidly. U.S.S. RICH, MEREDITH, escort destroyer No. 695, H.M.S. MINSTER, M.M.S. 406 sunk and U.S.S. GLENNON damaged by mines.</p>	<p><u>GOLD</u>. Unloading slow. Landed 2500P, 32V, 2000S. Army advanced beyond range of cruisers: AJAX transferred to J, destroyers to S. N.O.I.C. Port en Bessin set up H.Q. Ashore.</p> <p><u>JUNO</u>. Good progress in unloading. Landed 5860P, 5170V, 1470S. H.M.S. BELFAST supported 3rd Can. Div.</p> <p><u>SWORD</u>. Unloading hampered by enemy gunfire: Landed 500V, 1300S. H.M.S. RODNEY, RAMILLIES, 3 cruisers supported 3rd Div., against enemy counter attacks.</p>	<p>Two NARVIKS, TJERK HIDDERS 1 ELBING reported at Brest.</p> <p>First WHALE Tows sailed from U.K.</p> <p>A/C sighted 9 U-Boats all east of 6°W. and carried out 6 attacks: 2 U-Boats sunk. H.M.C.S. SKEENA attacked U-Boat. A/S patrols re-disposed.</p>	
Night 8th/9th June	<p>Intermittent Enemy Air Bombing and Mining.</p> <p>E-Boats attempted to mine in northern flank of W.T.F. area: driven off.</p>	<p>CHANT 6 bombed and destroyed.</p>	<p><u>DESTROYER ACTION OFF I. DE BAS</u> 1 NARVIK, TJERK HIDDERS destroyed: 1 NARVIK, damaged, 1 ELBING escaped to Brest.</p> <p>E-Boats sank L.S.T. 376, 314 in "SPOUT". Five E-Boats driven off from attacking convoy E.B.C.3. Brushes with E-Boats off Barfleur.</p>	<p>Enemy destroyer threat being disposed of, British destroyer patrols were discontinued and offensive sweeps off Brittany Coast substituted.</p>

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
9th June D+3	<p><u>OMAHA</u>. Congestion on beaches begun to clear. Restrictions on night A/A fire imposed by N.C. Force O, friendly aircraft having been damaged by indiscriminate fire.</p> <p><u>UTAH</u>. Unloading proceeded smoothly, despite frequent shelling of beaches.</p>	<p><u>GOLD</u>. Unloading slow. Port en Bessin being developed. Unloaded 3000P, 200V, 2250S.</p> <p><u>JUNO</u>. Unloading improving. Unloaded 4000P, 1173V, 2250S.</p> <p><u>SWORD</u>. Enemy mobile batteries moving into range: 5 destroyers providing constant support fire. Unloaded 50V, 2924S.</p>	<p>11th Support Group transferred from C.in C. Plymouth to C.in C. Portsmouth and disposed Portland - Cap de La Hague.</p> <p>1 U-Boat sunk by A/C.</p>	<p>Weather conditions better: wind W. to N.W., 3-4, decreasing: sea slight.</p>
Night 9th/10th June	<p>Enemy Air Bombing and Mining.</p> <p>Several enemy A/C shot down in UTAH area.</p>	<p>1 Ju 88 shot down in SWORD area.</p>	<p><u>BRACKENFIELD</u> and <u>DUNGRANGE</u> (ammunition coasters) sunk by E-Boats in SPOUT.</p> <p>Actions between patrols and E-Boats.</p> <p>Air attack on convoy for U.S. area: 1 Heinkel and 1 glider bomb shot down.</p>	
10th June D+4	<p><u>OMAHA</u>. Unloading improving Gooseberry 2 completed. Unloaded (cumulation) 87,668P, 8538V, 4581S.</p> <p><u>UTAH</u>. Gooseberry 1 delayed by enemy shelling. Unloaded 10814P, 988V, 2488S.</p>	<p><u>GOLD</u>. Unloading at Port en Bessin commenced. Unloaded 6000P, 1200V, 3800S.</p> <p><u>JUNO</u>. Unloading satisfactory: Unloaded 6290P, 1528V, 2613S.</p> <p><u>SWORD</u>. Beaches under sporadic shell fire: Gooseberry 5 completed. Unloaded 500P, 403V, 2135S.</p> <p>Heavy bombardment by <u>ORION</u> and <u>ARGONAUT</u> of enemy forces near Tilly sur Seuilles.</p>	<p>1 U-Boat sunk by A/C.</p>	<p>Weather conditions improving wind W.N.W. force 3, decreasing sea slight.</p>
Night 10th/11th June	<p>Enemy Air Bombing and Mining the latter serious.</p> <p>U.S.S. <u>BAYFIELD</u> near missed, L.S.I.(L) 219 sunk by bombs.</p> <p><u>WARSPITE</u> left UTAH for <u>GOLD</u>.</p>	<p>1 Ju 88 shot down in SWORD area 4 enemy A/C attacked Port en Bessin: No casualties.</p> <p>E/R Boats engaged and driven off with damage by 55th M.T.B. Flot: in area <u>TUNNY</u>.</p>	<p>H.M.S. <u>HALSTEAD</u> torpedoed and damaged in SPOUT: 1 Merchant ship, several tugs sunk.</p> <p>Engagements between patrols and E-Boats off Barfleur: 1 M.T.B., 1 E-Boat sunk.</p> <p>H.M.S. <u>LAPWING</u> and escorts repulsed E-Boats attack on convoy.</p> <p>Convoy E.T.M.1 attacked by A/C 1 ship damaged.</p> <p>64th M.T.B. Flotilla on passage to lay mines engaged by friendly destroyers off C. d'Antifer.</p>	

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
11th June D+5	<p>General increase of discharge rates in not unfavourable weather.</p> <p><u>OMAHA.</u> Unloaded 15249P, 2030V, 2473S.</p> <p><u>UTAH.</u> Beach under occasional shell fire. 10 Corncocks in position. Unloaded 2768P, 5110V, 2922S.</p>	<p><u>GOLD.</u> M.G.B. 317 blew up off Gooseberry 3. Unloaded 7254P, 2200V, 4400S.</p> <p><u>JUNO.</u> Unloaded 5800P, 1479V, 3376S.</p> <p><u>SWORD.</u> Unloaded 1000P, 90V, 2500S. Mulberry B unloaded 600S. H.M.S. WARSPITE, NELSON, ROBERTS, and U.S.S. NAVADA supported 50th Divn. at long range. H.M.S. RAMILLIES bombarded bridge at Caen. H.M.S. EMERALD and destroyers fired on motorised columns and troops.</p>		<p>American V Corps made contact with British 30th Corps.</p> <p>A.N.C.X.F. visited Assault area in H.M.S. KELVIN.</p>
Night 11th/12th June	<p>Enemy Air bombing and Mining.</p> <p>U.S.S. NELSON torpedoed by E-Boats in OMAHA Area.</p>	<p>Patrol destroyers drove off E-Boats in Area Tunny.</p>	<p>2 E-Boats damaged by H.M.S. TALYBONT Phoenix unit sunk. Patrols off Barfleur shelled by shore batteries.</p> <p>H.M.S. MELBREAK engaged E-Boats off C. d'Antifer: M.T.Bs. and H.M.S. TROLLOPE had several brushes with E-Boats. Enemy Batteries shelled coastal force destroyers north of Cherbourg: No damage.</p>	
12th June D+6	<p><u>OMAHA.</u> Unloaded 4010P, 2369V, 8529S.</p> <p><u>UTAH.</u> Despite shell fire on one beach, unloading rate increased. Unloaded 6493P, 1035V, 4144S. Gooseberry 1 completed.</p>	<p><u>GOLD.</u> Unloaded 6800P, 1140V, 4742S. H.M. Ships ROBERTS and ORION bombarding.</p> <p><u>JUNO.</u> Coursuelles reported able to take 2 Coasters and 24 L.B.V. Unloaded 8853P, 968V, 4051S. H.M.S. BELFAST and DIADEM bombarding.</p> <p><u>SWORD.</u> M.T. Ships and Coasters arriving in insufficient numbers. Unloaded 1300P, 439V, 2800S. H.M.S. NELSON, RAMILLIES, Cruisers destroyers, (including KELVIN) L.C.G., L.C.F., supported left flank with good results.</p>	<p>S.S. BRITISH ENGINEER mined in SPOUT.</p> <p>WARSPITE sailed from Portsmouth for Rosyth to change guns.</p>	<p>The Prime Minister (Rt.Hon. Winston Churchill), Field Marshal Smuts and the C.I.G.S. visited British Assault Area in H.M.S. KELVIN. U.S. Chiefs of Staff visited U.S. Area.</p> <p>All German submarines without SCHNORKEL in Bay of Biscay recalled to their ports.</p> <p>Convoy timings revised (1) to avoid passage through areas of E-Boat activity in dark (2) to avoid junction of convoy sections in dark.</p>
Night 12th/13th June	<p>Increased Enemy Air Bombing and Mining.</p>	<p>H.M.S. MAURITIUS, LARGS, and HILARY near missed.</p> <p>12 R-Boats intercepted by M.T.Bs. on E.T.F. patrol: E-Boats driven off in Areas Tunny and Pike.</p> <p>H.M.S. NELSON and RAMILLIES bombarded throughout night, in support of offensive by 1st Corps.</p>	<p>E-Boats active in SPOUT: intercepted by patrols, and suffered damage.</p> <p>3 E-Boats, 1 R-Boat sunk by A/C off Boulogne.</p> <p>German Torpedo bombers attacked 14th E.G. South of Lyme Bay unsuccessfully but sunk H.M.S. BOADICEA.</p>	

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
13th June D+7	<p><u>OMAHA.</u> Unloaded 12444P, 2270V, 7500S.</p> <p><u>UTAH.</u> Shelling of beaches decreased. Minelaying increased: 1 L.C.T. mined and sunk. Unloaded 4122P, 766V, 3839S.</p>	<p><u>GOLD.</u> Unloaded 6000P, 1620V, 3777S.</p> <p><u>JUNO.</u> S.S. VICEROY damaged by mines. Unloaded 4750P, 1035V, 3450S.</p> <p><u>SWORD.</u> Sporadic shell fire on beaches. Unloaded 3300P, 368V, 2400S.</p>	<p>U-Boat attacked by H.M.S. SCOURGE and VENUS off St.Catherine's Point. Liberator attacked U-Boat S. of Ushant, but was shot down. U-Boat claimed later by a Wellington.</p>	<p>Slow turn round of ships at Southampton causing concern.</p> <p>Supreme Commander congratulated all concerned on the "brilliant successful beginning of this great undertaking".</p> <p>H.M.S. WARSPITE on passage to Rosyth damaged by mine off Harwich.</p>
Night 13th/14th June	Enemy Air Bombing and Mining.		<p>M.T.Bs. 704, 714 engaged M-minesweepers off C. de la Hague.</p> <p>ASHANTI and PIORUM put 24th German minesweeping Flotilla out of action off Jersey.</p> <p>U-Boat reported and hunted south of Littlehampton.</p>	
14th June D+8	<p><u>OMAHA.</u> Unloaded 27060P, 1884V, 7752S.</p> <p><u>UTAH.</u> Despite shelling, good progress in unloading. Unloaded 7979P, 882V, 4958S.</p>	<p><u>GOLD.</u> Capacity of Port en Bessin far higher than expected. Unloaded 6000P, 1620V, 3777S.</p> <p><u>JUNO.</u> Unloaded 4750P, 1035V, 3450S.</p> <p><u>SWORD.</u> Unloading hampered by fire from Houlgate area. Unloaded 240P, 228V, 1919S.</p> <p>H.M.S. NELSON successfully engaged batteries at C. de la Heve and Houlgate. H.M.S. RAMILLIES bombarded Cabourg docks, H.M.S. BELFAST and cruisers fired on enemy batteries and concentration.</p>		<p>General De Gaulle visited Assault Area.</p> <p>Admiral Stark, U.S.N. (Comaveu) visited W.T.F. Area in H.M.S. SCORPION.</p>
Night 14th/15th June	<p>About 180 bombers attack W.T.F. Area no shipping damaged.</p>	<p>Four enemy aircraft brought down.</p>	<p>Action between E-Boats and M.T.Bs. off C. de La Hague. Enemy A/C attacked convoy N.E. of C. Barfleur. U.S.L.S.T.280 torpedoed at 0024.</p>	<p><u>AIR ATTACK ON HAVRE</u></p> <p>3 Torpedo Boats 10 E-Boats 2 R-Boats 15 Minesweepers and patrol vessels 9 Miscellaneous craft) } Sunk</p> <p>4 E-Boats 4 R-Boats 1 Torpedo Boat 8 Minor craft) } Damaged</p>

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
15th June D+9	<p><u>OMAHA.</u> L.S.T. 133 mined and beached. Unloaded 19554P, 2836V, 9352S.</p> <p><u>UTAH.</u> 10 ground mines swept. Unloaded 12043P, 1235V, 5734S.</p> <p>U.S. heavy ships supported army attack in Carentan Isigny area.</p>	<p><u>GOLD.</u> Unloaded 11171P, 2509V, 3576S.</p> <p><u>JUNO.</u> 1200 tons stores discharged at Courseulles. Unloaded 2768P, 642V, 2965S.</p> <p><u>SWORD.</u> Intermittent shelling of beaches and anchorage: H.M.S. BACHAQUERO, ALBERNI, 5 L.S.T. damaged. Unloaded 2622P, 828V, 2570S. H.M.S. RAMILLIES silenced new battery at BENERVILLE: H.M.S. NELSON engaged C. de la Heve battery. All cruisers engaged throughout day.</p>	<p>U-Boats achieved first successes H.M.S. MOURNE torpedoed and sunk north of Ushant. H.M.S. BLACKWOOD torpedoed (sank later) N.N.W. C. de la Hague.</p>	
Night 15/16 June	Enemy air bombing and mining.			<p><u>AIR ATTACK ON BOULOGNE</u></p> <p>8 R-Boats 3 R-Boat Depot Ships } sunk 20 Miscellaneous Craft } Heavy damage.</p>
16th June D+10	<p><u>OMAHA.</u> Unloaded 12315P, 1570V, 9380S.</p> <p><u>UTAH.</u> Unloaded 5158P, 680V, 5931S.</p> <p>Both U.S. sectors clearing shipping faster than it arrived</p>	<p><u>GOLD.</u> T.H.V. ALERT mined and sunk. Unloaded 3544P, 1363V, 4443S.</p> <p><u>JUNO.</u> Build up now routine: N.C. Force J suggested his withdrawal. Unloaded 6352P, 2449V, 2680S.</p> <p><u>SWORD.</u> Enemy shelling continued H.M.S. LOCUST and some ferry craft hit. Unloaded 920P, 222V, 2138S.</p> <p>Guns east of Orne engaged by 3 cruisers, destroyers and NELSON'S secondary armament. H.M.S. RAMILLIES engaged enemy armour N.E. of Caen; H.M.S. NELSON battery at Houlgate and C. de la Heve.</p>		<p>American 1st Army started drive to cut off Cherbourg Peninsular: V Corps attacked east of St. Lo.</p> <p>H.M. THE KING VISITED THE ASSAULT AREA IN H.M.S. ARETHUSA.</p>
Night 16/17 June	Enemy Air Bombing and Mining on reduced scale.		No enemy attacks on Convoys.	

App. Q
Chronology, 17-18 June

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
17th June D+11	<p><u>OMAHA.</u> Unloaded 11538P, 2228V, 8535S.</p> <p><u>UTAH.</u> H.M.S. GLENROY, M.M.S. 297, Y.M.S. 377 damaged by mines. Unloaded 7114P, 1066V, 4784S.</p>	<p>0800 Rear-Admiral Rivett-Carnac set up Headquarters near Sourseulles, in preparation for taking over E.T.F. Area as F.O.B.A.A.</p> <p><u>GOLD.</u> Unloaded 9067P, 1315V, 2709S.</p> <p><u>JUNO.</u> Unloaded 5317P, 1456V, 3165S.</p> <p><u>SWORD.</u> Enemy shelling continued: Some damage to craft and H.M.S. LOCUST. Unloaded 1143P, 2106V, 1775S. Douvres Radar Station captured.</p>		<p>Northerly wind, increasing.</p> <p>A.N.C.X.F. visited W.T.F. Area.</p> <p>Progress in Mulberries to date fairly good: ARROMANCHES unloaded up to 1500 tons in 24 hours.</p> <p>Admiralty requested C. in C. W.A. to transfer all his A/S support groups except one to Plymouth Operational Control, 11th E.G. transferred to Portsmouth.</p>
Night 17/18 June		<p>Enemy Air Bombing and Mining.</p> <p>Extensive minelaying, SWORD Area.</p>	<p>H.M.S. DUFF and M.T.Bs. operating off C. de la Hague shelled by shore batteries up to 17 miles range.</p> <p>H.M.S. TALYBONT shelled off Cherbourg peninsula: Slight damage.</p> <p>Damage inflicted on enemy M class M/S and Trawlers by M.T.Bs off Flamanville.</p>	
18th June D+12	<p><u>OMAHA.</u> Unloaded 10791P, 2575V, 8876S.</p> <p><u>UTAH.</u> 12 mines detonated, 2 mine-sweepers damaged. Unloaded 5583P, 324V, 5670S.</p>	<p>H.M.S. NELSON superficially damaged by mines which detonated nearby: proceeded to Portsmouth.</p> <p><u>GOLD.</u> Unloaded 9588P, 1232V, 1999S.</p> <p><u>JUNO.</u> Unloaded 7802P, 1663V, 2508S. H.M.S. DIADEM supported 3rd Can. Div.</p> <p><u>SWORD.</u> Shelling of beaches reduced. 2 L.C.G.(L) damaged. Unloaded 549P, 183V, 2107S. Force S Cruisers supported Army east of R. Orne and North of Caen.</p> <p>Mulberry B Western pier head completed. All tows held up by weather.</p>	<p>Anti-S/M Barrier Plymouth-Triagoz established several U-Boats reported. 1756 H.M.S. DUFF and 14th E.G. sank U-Boat.</p> <p>U.S.S. TEXAS, NEVADA, ARKANSAS sailed from W.T.F. Area for Plymouth.</p> <p>H.M.S. RAMILLIES to U.K. to re-ammunition, having fired 1002 rounds since D-day.</p>	<p>Weather deteriorated during the day. Wind N.N.E. 3.</p>
Night 18/19 June		<p>Enemy Air Bombing and Mining.</p> <p>Extensive mining.</p> <p>Some flying bombs passed over E.T.F. Area.</p>	<p>H.M. Ships ONSLOW and OFFA attacked by torpedo planes off C. Barfleur: ONSLOW slightly damaged.</p> <p>L.C.T.(L) 307 unsuccessfully attacked by torpedo plane off Newhaven: Shot down attacker.</p>	<p>Germans transferred 6 E-Boats from Boulogne to Havre, and the Cherbourg Flotilla to St. Malo.</p>
	<p><u>0330. WIND INCREASED TO FORCE 4 FROM N.E.</u></p>			

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
19th June D+13	<p style="text-align: center;"><u>NORTHERLY GALE</u></p> <p>By 0900, Wind N.N.E., 6:</p> <p><u>OMAHA</u>. No unloading reported</p> <p><u>UTAH</u>. L.S.T. 523 sunk by mine UTAH area. Heavy loss of life. Unloaded 1143V, 257S.</p>	<p>Unloading practically at a standstill, except in Mulberries.</p> <p><u>GOLD</u>. Unloaded 2091P, 447V, 1466S.</p> <p><u>JUNO</u>. Unloaded 3524P, 118V, 1419S.</p> <p><u>SWORD</u>. Unloaded 3145S.</p>	<p>Five U-Boats reported by A/C in Western Approaches: 3 attacked.</p>	<p>Sailing of shuttle service and all Mulberry tows from U.K. suspended.</p>
Night 19/20 June	<p>Enemy aircraft active during the night: considerable minelaying and some bombing.</p>		<p>H.M.S. ONSLOW and OFFA attacked by 7 torpedo bombers off C. Barfleur: Slight damage to ONSLOW.</p>	<p>Effects of gale during first 24 hours not very serious as far as Assault Areas were concerned. Several tows, however, caught on passage.</p>
20th June D+14	<p style="text-align: center;"><u>NORTHERLY GALE</u></p> <p>Unloading practically at a standstill. Serious damage to L.C.T. and Ferry Craft.</p> <p>About 50% Bombardons broken adrift, and damage to both Mulberries, but some L.C.I. unloaded in Mulberry B.</p> <p><u>OMAHA</u>. F.F.S. LA SURPRISE mined.</p> <p><u>UTAH</u>. 5 L.S.T. retracted from beach without damage.</p>	<p><u>GOLD</u>. 833S Unloaded at Arromanches. 417S " " Port en Bessin.</p> <p><u>JUNO</u>. Unloaded 544P, 15V, 411S.</p> <p><u>SWORD</u>. Unloaded 201S.</p>	<p>Convoy E.T.M. 14 while passing Dover shelled by enemy shore batteries: slight damage to one ship.</p> <p>One Phoenix, 11 Whale roadways reported lost on passage: 6 other tows in difficulties due to weather.</p> <p>U-Boat attacked by A/C north of Ushant.</p>	<p>Wind strengthening N.E. Force 7. Sea rough (waves 6-7 feet increasing to 7-9 feet).</p> <p>All Convoys stopped.</p>
Night 20/21 June	<p>Enemy Aircraft continued minelaying.</p>			
21st June D+15	<p style="text-align: center;"><u>NORTHERLY GALE</u></p> <p>Unloading practically at a standstill. U.S. Army in both areas short of ammunition, owing to delay in unloading.</p> <p>ST. LAURENT Mulberry badly damaged by gale and Gooseberry I (UTAH) lost all protective value.</p>	<p>Unloading practically at standstill, but 15 L.S.T. were beached and discharged in lee of Gooseberry in JUNO Area.</p> <p><u>GOLD</u>. H.M.S. FURY mined and beached. Unloaded 271S.</p> <p><u>SWORD</u>. Ouistreham and anchorages shelled: damage, and one ship hit. Cruisers, Destroyers, L.C.G.(L) employed in counter battery fire.</p>	<p>Five U-Boats sighted by A/C in Western Approaches: 3 promising attacks.</p>	<p>Gale continued but started to ease, Wind N.E. to N.N.E., 7 decreasing to 5: Sea very rough.</p> <p>Continued delay in unloading raising difficulties in supply of fuel, water and food.</p> <p>A.N.C.X.F. ordered all possible replacements and repair gear to be sent to Far shore to recover situation caused by gale, and asked Admiralty for additional repair parties and equipment.</p>
Night 21/22 June	<p>Enemy Air Bombing and Mining.</p>		<p>Halifax bombed Alderney harbour, following report of U-Boat there.</p>	

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
22nd June D+16		<u>NORTHERLY GALE</u> Gale eased slowly during day: unloading on small scale started in evening. V.A.C. 10th C.S. assumed command of all Bombarding Forces in B.A.A. Shelling of SWORD beaches continued. M.T. ship COOMBE HILL hit: L.C.G.(L) damaged. H.M.S. ROBERTS and cruisers engaged enemy troops in Troarn and Dives Areas: destroyers and L.C.G.(L) East of Orne.	Six U-Boats sightings followed by 4 attacks by A/C. P.M. Sailing of some convoys resumed.	Convoys held up during gale caused congestion in South Coast ports. A.N.C.X.F. directed N.C.E.T.F. to remain in Command of B.A.A. till gale damage had been straightened out by A.F. Commanders after which F.O.B.A.A. would take over.
Night 22/23 June	Increased enemy Air activity: 1 A/C shot down.	Two minelaying raids by enemy A/C.	JU 88 active: several patrol craft unsuccessfully attacked. H.M.S. ROWLEY and F.F.S. L'AVENTURE shot down 1 A/C each. Small enemy convoy heavily damaged by M.T.Bs off Minquiers Bank.	
23rd June D+17	Reorganisation of Beaches etc., after <u>OMAHA</u> . Norwegian S.S. NESTTUN damaged by explosion: beached. <u>UTAH</u> . Unloaded 565P, 33V, 865S.	the gale started in all areas. <u>JUNO</u> . Unloaded 1207P, 1138V, 155S. Occasional shelling of beaches. <u>SWORD</u> . Shelling of beaches increased. Coaster DUNVEGAN CASTLE hit and destroyed by fire. H.M.S. BACHAQUERO damaged by mine. Unloading hampered by lack of ferry craft. Several batteries silenced by bombarding ships.	Escort groups employed searching for several U-Boats reported in Western Approaches. Moored mines found off Eddystone. U-Boat attacked by A/C S.W. of Jersey.	Gale ended: Wind Northerly 3. Sea slight. A.N.C.X.F. signalled precautions to be taken with regard to new enemy mine.
Night 23/24 June		H.M.S. SCYLLA mined in JUNO Area. N.C.E.T.F. turned over control of E.T.F. to V.A. 10th C.S. and shifted flag to HILARY. E-Boats operating in Tunny Area: driven off.	D/F activity in Western Approaches: A/S groups moved closer to Ushant. M.T.Bs attacked enemy convoy leaving Cherbourg: sank several.	
24th June D+18	<u>OMAHA</u> . Unloaded 22630P, 3513V, 10994S. <u>UTAH</u> . Unloaded 6491P, 621V, 6399S.	0800 Rear-Admiral Sir P. Vian resumed control of E.T.F. F.O.B.A.A. hoisted flag in H.M.S. SOUTHERN PRINCE and assumed control of Coastal Forces in B.A.A. <u>ENEMY MINING SERIOUS</u> : 5 ships mined. <u>GOLD</u> . N.O.I.C. Arromanches established H.Q. on shore. H.M.S. NITH damaged by bomb. Unloaded 7879P, 1896V, 5309S. <u>JUNO</u> . N.C. Force J withdraw from B.A.A. M.M.S. 8 mined and sunk. Unloaded 7631P, 2237V, 2648S. <u>SWORD</u> . N.C.E.T.F. confined unloading to stores coasters, until enemy were driven back from River Orne. H.M.S. SWIFT sunk by mine. Unloaded 915P, 296V, 2761S.	H.M.S. HAIDA and ESKIMO sank U971. U.S.S. destroyers WATKINS and FORREST shelled by shore batteries off Cap Levi. Convoy E.T.C. 17 shelled by enemy Coastal Batteries while passing Dover: S.S. EMPIRE LOUGH hit and abandoned. S.S. GURDON GATES damaged.	Weather. Fine, wind light, variable: sea smooth: visibility good. R.A.M.P. inspected gale damage to Mulberries. First British Tombola line hauled. 1st Lord of the Admiralty visited British Assault area in H.M.S. FAULKNER. Assault Area extended to westward to include area of operations off Cherbourg.
Night 24/25	Minelaying by enemy aircraft. 0001 Rear-Admiral Moon turned over <u>UTAH</u> area to Rear-Admiral Wilkes, (FOWEST).	Small scale air attack by composite aircraft on eastern flank: H.M.S. NITH damaged. Minelaying on heavy scale in SWORD area.	H.M.S. BICKERTON sank U-Boat.	

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
25th June D+19	<p><u>OMAHA</u>. 3 Coasters discharging at Isigny. Organisation working smoothly. Unloaded 11948P, 2470V, 12708S.</p> <p><u>UTAH</u>. 5 Coasters damaged and neaped. Unloaded 1825P, 545V, 5959S.</p>	<p>0800 F.O.B.A.A. transferred flag from H.M.S. SOUTHERN PRINCE to shore H.Q. at Courseulles.</p> <p>H.M.S. ARETHUSA damaged either by mine or composite aircraft.</p> <p><u>GOLD</u>. Unloaded 10325P, 1873V, 4566S.</p> <p><u>JUNO</u>. Unloaded 4393P, 1173V, 4229S.</p> <p><u>SWORD</u>. Shelling of beaches continued. S.S. CAP TOURANE hit. L.C.H. 185 mined and sunk. Unloaded 194P, 24V, 3075S. H.M.S. RODNEY supported Army offensive in Caen area.</p>	<p>Bombardment of Cherbourg by U.S.S. TEXAS, ARKANSAS, NEVADA, QUINCY, TUSCALOOSA, H.M.S. GLASGOW, ENTERPRISE, 11 U.S. Destroyers under Rear-Admiral Deyo, U.S.N.</p> <p>Several U-Boat sightings. H.M.S. GOODSON torpedoed: Towed to Portland.</p>	U.S. VII Corps assault on Cherbourg.
Night 25/26 June		Mulberry B, Arromanches, recovered from gale, unloaded 5,400 tons stores.	<p>H.M.S. AFFLECK and 1st E.G. sank U-Boat 30 miles E.S.E. of Start.</p> <p>6 U-Boats believed to be east of line Ushant-Scillies.</p>	
26th June D+20	<p><u>OMAHA</u>. Unloaded 10747P, 2984V, 14419S.</p> <p><u>UTAH</u>. Unloaded 17525P, 1447V, 6894S.</p>	<p><u>GOLD</u>. Unloaded 7205P, 1173V, 5747S.</p> <p><u>JUNO</u>. Captain North and South bound sailings established in H.M.S. ROYAL ULSTERMAN.</p> <p><u>SWORD</u>. Heavy shelling of beaches and anchorage H.M.S. ALBATROSS damaged.</p>	Minesweepers sweeping towards Cherbourg driven off by Cap Levi batteries.	German Naval Commander, Sea Defence, Rear-Admiral Hennecke and Garrison Commander, Maj.-General von Schlieben, captured at Cherbourg.
Night 26/27	For first night since assault started, no enemy air activity.		<p>Four M.T.Bs successfully engaged enemy M - Minesweepers and trawlers off Jersey.</p> <p>H.M.S. STAYNER attacked U-Boat off C. de la Hague.</p>	

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
27th June D+21	<p>OMAHA. Rear-Admiral Hall withdrew from Area in U.S.S. ANCON.</p> <p>Rear-Admiral Wilkes, U.S.N. assumed duties of F.O. West (C.T.F. 125).</p> <p>U.S.S. SHUBRICK engaged by shore batteries off C. Barfleur.</p>	<p>GOLD. N.C. Force G. sailed for U.K. in H.M.S. BULOLO.</p> <p>JUNO. 1 M.T.B. sunk, 1 M.M.S. and 1 Trawler damaged by mines.</p> <p>SWORD. Only coasters which could be discharged by DUKWS using SWORD. 7 mines detonated spontaneously.</p> <p>N.O.I.Cs GOLD, Arromanches, Port en Bessin assumed Control under F.O.B.A.A. Unloaded in B.A.A. 12092P, 3125V, 17289S.</p>	<p>H.M.S. PINK mined or torpedoed: towed to Portsmouth.</p>	<p>CHERBOURG SURRENDERED.</p> <p>A.N.C.X.F. informed Admiralty that H.M.S. AJAX, ARETHUSA, BELLONA, GLASGOW, SIRIUS and BLACK PRINCE could be released.</p> <p>N.C.W.T.F. requested to transfer U.S.S. NEVADA, TEXAS, ARKANSAS, TUSCALOOSA, QUINCY and all destroyers except Desron 18 and Desdiv 34 to 12th Fleet.</p> <p>F.F. ships G. LEYGUES and MONTCALM released from W.T.F.</p>
Night 27/28 June	Air mining and bombing.		<p>H.M.C.S. HURON and H.M.S. ESKIMO sank 2 enemy minesweepers off St. Malo.</p>	
28th June D+22	<p>OMAHA. Unloaded 6816P, 2814V, 12808S. ISIGNY and GRANDCAMP in use.</p> <p>UTAH. Unloaded 17525P, 1447V, 6892S.</p>	<p>GOLD. 4036S unloaded through Arromanches.</p> <p>JUNO. S.S. CHARLES W. ELLIOTT mined and sunk.</p> <p>SWORD. 22 mines detonated between 0846 and 0850 by 150th B.Y.M.S. Flot: Enemy shelling all day: H.M.S. LARGS hit.</p> <p>Unloaded (B.A.A.) 12890P, 3003V, 18835S.</p>	<p>Convoy E.T.C. 21 shelled by enemy shore batteries while off Dover. S.S. DALEGARTH damaged.</p> <p>Enemy batteries N.E. of CHERBOURG prevented minesweeping.</p>	<p>U.S. reconnaissance of Cherbourg revealed severe damage to docks and whole anchorage heavily mined.</p> <p>Supreme Commander directed Mulberry A should not be rebuilt; Mulberry B to be completed and strengthened. Bombardons not to be used.</p> <p>Support Squadron Eastern Flank proposed by N.C.E.T.F. 12 L.C.G. (1) 12 L.C.T. (R) 16 L.C.F. 10 L.C.S. (1) 4 M.L. (Nav).</p>
Night 28/29 June	Enemy aircraft dropped mines and flares.		<p>S.S. MAID OF ORLEANS sunk in SPOUT by mine or torpedo.</p> <p>A/C attacked U-Boat south of Start.</p>	

DATE	WESTERN TASK FORCE	EASTERN TASK FORCE	ENGLISH CHANNEL	REMARKS
29th June D+23	Swept channel Established from St. Vaast to Grande Rade (Cherbourg) approaches.	H.M.S. ALBATROSS, S.S. CAP TOURANE, Ferry Craft and SWORD Camp shifted from SWORD to GOLD Area. Unloaded 15890P, 3210V, 17687S.	Four M.T. Ships in Convoy E.C.M. 17 torpedoed by U-Boat in the SPOUT (possibly mined). S.S. PORTIA in Convoy F.T.M. 22 damaged by mine or torpedo. A/C sighted U-Boats 19 miles 340° from C. Barfleur and 30 miles north of C. Levi. A/C attacked U-Boat south of St. Catherine's Point.	A.N.C.X.F. released H.M.S. RAMILLIES, and 11 Fleet Destroyers. A.N.C.X.F. visited British Assault Area.
Night 29/30 June	Enemy air mining raids.		Aircraft attacked U-Boat 36 miles south of Start.	
30th June D+24		N.C.E.T.F. and N.C. Force S withdrew from British Assault Area Rear-Admiral Rivett-Carnac assumed Command as F.O.B.A.A. H.M.S. RODNEY engaged concentration of enemy armour and M.T. in St. Andre-sur-Orne and Fougerolles-sur-Orne. H.M.S. ARGONAUT and BELFAST engaged enemy batteries. Shelling of SWORD beaches increasing.	Beaufighters obtained numerous hits on enemy convoy stationary in St. Benodet's Bay. Sweeping of Approach Channels to Cherbourg resumed, on reduction of Enemy batteries.	A.N.C.X.F. released H.M.S. DIADEM. F.F.S. MONTCALM and G. LEYGUES sailed from Assault Area. 2nd Army on defensive in Caen area, fighting against 5 Panzer Divs.
Night 30th June - 1st July	Increased enemy Air mining.			

