

Appendix 1.11: Breakdown of Ship Numbers

Year	EIC	Private English	French	Moors	Armenian	GIC	VOC	Dutch	DAC	Private Danish	SOIC	Private Swedish	Spanish	Imperial	Prussian	Hamburg	Italian	Portuguese	Russian	USA	Totals	Private Trade	Private Percentage	Year	Totals	Average crew size estimated at 80 seamen	Average crew size estimated at 60 seamen	Deaths in China each Year estimated at 1%	Year
1720	4	4	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-	13	5	0.38	1720	13	1,040		10	1720
1721	4	2	4	-	-	2	-	-	-	-	-	-	1	-	-	-	-	-	-	-	13	2	0.15	1721	13	1,040		10	1721
1722	4	2	1	1	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	11	4	0.36	1722	11	880		9	1722
1723	5	3	1	2	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	6	0.43	1723	14	1,120		11	1723
1724	1	4	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	5	0.56	1724	9	720		7	1724
1725	3	4	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	13	7	0.54	1725	13	1,040		10	1725
1726	1	2	1	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	3	0.38	1726	8	640		6	1726
1727	1	2	1	1	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	8	4	0.50	1727	8	640		6	1727
1728	4	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	2	0.29	1728	7	560		6	1728
1729	4	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8	2	0.25	1729	8	640		6	1729
1730	5	3	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	12	3	0.25	1730	12	960		10	1730
1731	4	5	2	1	-	-	3	1	-	1	-	-	1	-	-	-	-	-	-	-	18	8	0.44	1731	18	1,440		14	1731
1732	4	2	1	-	-	1	2	-	-	-	1	-	1	-	-	-	-	-	-	-	12	2	0.17	1732	12	960		10	1732
1733	3	2	3	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	12	2	0.17	1733	12	960		10	1733
1734	2	1	1	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	7	1	0.14	1734	7	560		6	1734
1735	3	1	1	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	8	1	0.13	1735	8	640		6	1735
1736	4	1	3	-	-	-	2	-	1	-	1	-	-	-	-	-	-	-	-	-	12	1	0.08	1736	12	960		10	1736
1737	4	1	2	-	-	-	3	-	1	-	1	-	-	-	-	-	-	-	-	-	12	1	0.08	1737	12	960		10	1737
1738	5	-	3	1	-	-	2	-	1	-	2	-	-	-	-	-	-	-	-	-	14	1	0.07	1738	14	1,120		11	1738
1739	5	1	3	1	-	-	3	-	1	-	1	-	-	-	-	-	-	-	-	-	15	2	0.13	1739	15	1,200		12	1739
1740	2	-	3	-	-	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	9	-	0.00	1740	9	720		7	1740
1741	4	1	2	-	-	-	2	-	1	-	4	-	-	-	-	-	-	-	-	-	14	1	0.07	1741	14	1,120		11	1741
1742	4	1	3	-	-	-	3	-	2	-	-	-	-	-	-	-	-	-	-	-	13	1	0.08	1742	13	1,040		10	1742
1743	2	1	3	-	-	-	3	-	1	-	1	-	-	-	-	-	-	-	-	-	11	1	0.09	1743	11	880		9	1743
1744	3	1	4	1	-	-	4	-	1	-	4	-	-	-	-	-	-	-	-	-	18	2	0.11	1744	18	1,440		14	1744
1745	2	1	3	-	-	-	3	2	2	-	-	-	-	-	-	-	-	-	-	-	13	3	0.23	1745	13	1,040		10	1745
1746	6	1	-	-	-	-	3	-	2	-	2	-	-	-	-	-	-	-	-	-	14	1	0.07	1746	14	1,120		11	1746
1747	8	-	-	-	-	-	6	-	2	-	4	-	-	-	-	-	-	-	-	-	20	-	0.00	1747	20	1,600		16	1747
1748	5	-	-	-	-	-	4	-	2	-	2	-	-	-	-	-	-	-	-	-	13	-	0.00	1748	13	1,040		10	1748
1749	11	-	2	-	1	-	3	-	2	-	2	-	-	-	-	-	-	-	-	-	21	1	0.05	1749	21	1,680		17	1749
1750	7	-	4	-	-	-	4	-	2	-	1	-	-	-	-	-	-	-	-	-	18	-	0.00	1750	18	1,440		14	1750
1751	8	2	2	-	-	-	4	-	1	-	2	-	-	-	-	-	-	-	-	-	19	2	0.11	1751	19	1,520		15	1751
1752	6	2	5	-	-	-	6	-	3	-	2	-	-	-	1	-	-	-	-	-	25	2	0.08	1752	25	2,000		20	1752
1753	8	2	5	-	-	-	6	-	2	-	2	-	-	-	1	-	-	-	-	-	26	2	0.08	1753	26	2,080		21	1753
1754	8	1	4	-	-	-	7	-	2	-	3	-	-	-	2	-	-	-	-	-	27	1	0.04	1754	27	2,160		22	1754
1755	9	1	4	-	-	-	5	-	1	-	1	-	-	-	1	-	-	-	-	-	22	1	0.05	1755	22	1,760		18	1755
1756	5	-	1	-	-	-	6	-	1	-	1	-	-	-	1	-	-	-	-	-	15	-	0.00	1756	15	1,200		12	1756
1757	4	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	-	-	-	7	-	0.00	1757	7	560		6	1757
1758	6	-	-	-	-	-	3	-	1	-	2	-	-	-	-	-	-	-	-	-	12	-	0.00	1758	12	960		10	1758
1759	12	2	2	-	-	-	3	-	3	-	2	-	-	-	-	-	-	-	-	-	24	2	0.08	1759	24	1,920		19	1759
1760	6	-	-	-	-	-	3	-	2	-	1	-	-	-	-	-	-	-	-	-	12	-	0.00	1760	12	960		10	1760
1761	12	1	-	-	-	-	2	-	1	-	2	-	-	-	-	-	-	-	-	-	18	1	0.06	1761	18	1,440		14	1761
1762	8	-	-	-	-	-	3	-	2	-	2	-	-	-	-	-	-	-	-	-	15	-	0.00	1762	15	1,200		12	1762
1763	10	1	3	-	-	-	3	-	3	-	2	-	-	-	-	-	-	-	-	-	22	1	0.05	1763	22	1,760		18	1763
1764	13	3	4	-	-	-	4	-	2	-	1	-	-	-	-	-	-	-	-	-	27	3	0.11	1764	27	2,160		22	1764
1765	16	4	4	-	-	-	4	-	2	-	3	-	-	-	-	-	-	-	-	-	33	4	0.12	1765	33	2,640		26	1765
1766	14	1	3	-	-	-	4	-	1	-	1	-	-	-	-	-	-	-	-	-	24	1	0.04	1766	24	1,920		19	1766
1767	8	6	3	-	-	-	4	-	2	-	2	-	-	-	-	-	-	-	-	-	25	6	0.24	1767	25	2,000		20	1767
1768	12	3	4	-	-	-	4	-	1	-	1	-	-	-	-	-	-	-	-	-	25	3	0.12	1768	25	2,000		20	1768
1769	17	4	3	-	-	-	4	-	1	-	2	-	-	-	-	-	-	-	-	-	31	4	0.13	1769	31	2,480		25	1769
1770	13	1	2	-	-	-	5	-	2	-	2	-	-	-	-	-	-	-	-	-	25	3	0.12	1770	25	2,000		20	1770
1771	20	2	3	-	-	-	4	-	1	-	1	-	-	-	-	-	-	-	-	-	31	5	0.16	1771	31	2,480		25	1771
1772	13	4	3	-	-	-	4	-	2	-	2	-	-	-	-	-	-	-	-	-	28	7	0.25	1772	28	2,240		22	1772
1773	10	9	6	-	-	-	4	-	2	-	1	-	-	-	-	-	-	-	-	-	32	15	0.47	1773	32	2,560		26	1773
1774	4	15	7	-	-	-	4	-	2	-	2	-	-	-	-	-	-	-	-	-	34	22	0.65	1774	34	2,720		27	1774
1775	5	8	4	-	-	-	5	-	2	-	2	-	-	-	-	-	-	-	-	-	26	12	0.46	1775	26	2,080		21	1775
1776	8	19	5	-	-	-	4	-	3	-	2	-	-	-	-	-	-	-	-	-	41	24	0.59	1776	41	3,280		33	1776

Appendix 1.11: Breakdown of Ship Numbers

Year	EIC	Private English	French	Moors	Armenian	GIC	VOC	Dutch	DAC	Private Danish	SOIC	Private Swedish	Spanish	Imperial	Prussian	Hamburg	Italian	Portuguese	Russian	USA	Totals	Private Trade	Private Percentage	Year	Totals	Average crew size estimated at 80 seamen	Average crew size estimated at 60 seamen	Deaths in China each Year estimated at 1%	Year	
1777	9	9	7	-	-	-	4	-	2	-	2	-	-	-	-	-	-	-	-	-	33	16	0.48	1777	33	2,640		26	1777	
1778	7	9	4	-	-	-	4	-	1	1	2	-	-	-	-	-	-	-	-	-	28	14	0.50	1778	28	2,240		22	1778	
1779	5	8	-	-	-	-	4	-	3	1	2	-	-	1	-	-	-	-	-	-	24	9	0.38	1779	24	1,920		19	1779	
1780	12	12	-	-	-	-	4	-	3	-	3	-	-	1	-	-	-	-	-	-	35	12	0.34	1780	35	2,800		28	1780	
1781	11	9	-	-	-	-	-	1	3	-	2	-	-	-	-	-	-	-	-	-	26	10	0.38	1781	26	2,080		21	1781	
1782	5	3	-	-	-	-	-	-	4	-	3	-	-	1	-	-	-	-	-	-	16	3	0.19	1782	16	1,280		13	1782	
1783	13	2	8	-	-	-	2	-	2	1	3	-	1	5	-	-	-	-	-	-	37	11	0.30	1783	37	2,960		30	1783	
1784	13	8	4	-	-	-	4	-	3	1	-	-	-	-	-	-	-	-	-	1	34	14	0.41	1784	34	2,720		27	1784	
1785	19	9	1	-	-	-	4	-	3	-	4	-	4	1	1	-	-	-	-	-	46	9	0.20	1785	46	3,680		37	1785	
1786	28	23	1	-	-	-	5	-	2	1	1	-	3	-	-	-	-	1	-	5	70	30	0.43	1786	70	5,600		56	1786	
1787	29	32	3	-	-	-	5	-	2	-	2	-	2	-	1	-	1	-	-	2	79	34	0.43	1787	79	6,320		63	1787	
1788	22	26	1	-	-	-	4	-	2	-	2	-	4	-	-	-	-	-	-	4	65	30	0.46	1788	65	5,200		52	1788	
1789	26	37	1	-	-	-	5	-	1	-	-	-	-	-	-	-	-	-	-	15	85	52	0.61	1789	85	6,800		68	1789	
1790	24	22	2	-	-	-	3	-	1	-	-	1	1	-	-	-	-	-	-	6	60	29	0.48	1790	60	4,800		48	1790	
1791	12	12	4	-	-	-	2	-	-	-	1	-	1	-	1	-	-	-	-	3	36	15	0.42	1791	36	2,880		29	1791	
1792	14	26	2	-	-	-	3	-	1	-	1	-	3	-	-	-	2	-	-	9	61	35	0.57	1792	61	4,880		49	1792	
1793	17	22	-	-	-	-	3	-	-	-	1	-	-	-	-	-	3	-	-	9	55	31	0.56	1793	55	4,400		44	1793	
1794	14	24	-	-	-	-	4	-	1	-	-	-	2	-	-	-	-	-	-	9	54	33	0.61	1794	54	4,320		43	1794	
1795	15	23	-	-	-	-	-	-	-	-	2	-	1	-	-	-	1	-	-	13	55	36	0.65	1795	55	4,400		44	1795	
1796	18	20	-	-	-	-	-	-	2	-	-	-	2	-	-	-	-	-	-	11	53	31	0.58	1796	53	4,240		42	1796	
1797	28	22	-	-	-	-	-	-	1	4	1	-	1	-	-	-	-	-	-	16	73	42	0.58	1797	73	5,840		58	1797	
1798	22	16	-	-	-	-	-	-	-	6	2	-	-	-	-	-	-	-	-	16	62	38	0.61	1798	62	4,960		50	1798	
1799	3	16	-	-	-	-	-	-	2	2	1	-	-	-	-	-	-	-	-	18	42	36	0.86	1799	42	3,360		34	1799	
1800	22	23	-	-	-	-	-	-	1	3	2	-	-	-	-	-	-	-	-	20	71	46	0.65	1800	71		4,260	43	1800	
1801	20	7	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	31	61	38	0.62	1801	61	3,660		37	1801	
1802	34	16	1	-	-	-	-	1	2	-	4	-	1	-	2	1	-	-	-	41	103	59	0.57	1802	103		6,180	62	1802	
1803	18	30	2	-	-	-	-	-	1	-	1	-	3	-	1	-	-	-	-	21	77	51	0.66	1803	77		4,620	46	1803	
1804	12	21	-	-	-	-	-	-	2	-	3	-	2	-	-	1	-	-	-	36	77	58	0.75	1804	77		4,620	46	1804	
1805	21	31	-	-	-	-	-	-	3	-	2	-	-	-	-	-	-	-	2	41	100	74	0.74	1805	100		6,000	60	1805	
1806	14	41	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	33	90	75	0.83	1806	90		5,400	54	1806	
1807	21	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	95	74	0.78	1807	95		5,700	57	1807	
1808	17	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	71	54	0.76	1808	71		4,260	43	1808	
1809	12	30	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	33	77	63	0.82	1809	77		4,620	46	1809	
1810	14	22	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	17	54	39	0.72	1810	54		3,240	32	1810	
1811	17	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	68	51	0.75	1811	68		4,080	41	1811	
1812	26	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	58	32	0.55	1812	58		3,480	35	1812	
1813	21	20	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	16	58	36	0.62	1813	58		3,480	35	1813	
1814	20	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	54	34	0.63	1814	54		3,240	32	1814	
1815	25	24	-	-	-	-	-	3	-	-	-	2	-	-	-	-	-	-	-	20	74	49	0.66	1815	74		4,440	44	1815	
Totals	1,059	943	175	11	3	20	228	9	119	22	121	3	39	9	13	2	7	4	2	544	3,333	1,596	0.48	Totals	3,333	171,600	71,280	2,429		
																					0.004						242,880			

Note: In 1780, the Eliza was sold to the Portuguese, so it arrived as an English ship and left as a Portuguese ship. I have not counted it in the Portuguese column, because it has already been counted in the Private English column. While it was at anchor at Whampoa, it displayed a British flag. From 1720 to 1769 and from 1785 to 1815, the 'Private Trade' column includes: Private English, Moors, Armenians, Private Dutch, Private Danish, Private Swedish, USA, Hamburg, Portuguese, and Russians. From 1770 to 1784, the 'Private Trade' column includes all of the same, plus the French.