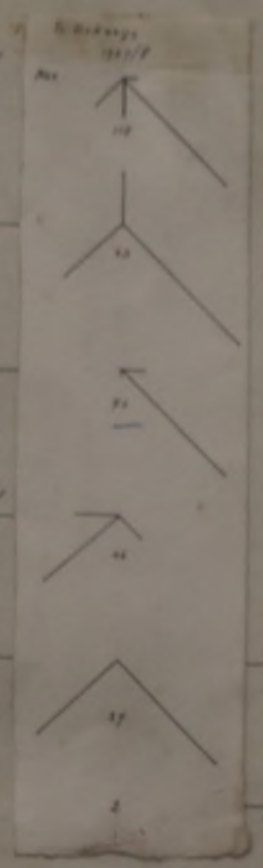


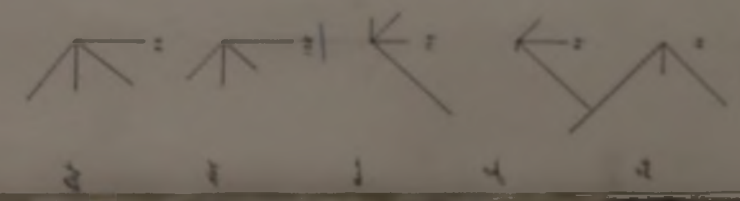
Whale Movement of Blue Whales Balance of movement, the opposite direction being indicated, and also list as percentages, 1928-29

Month	South Shetlands						Whale passage		Ball Islands		South Georgia					
	1928	1929	1930	1931	1932	1933	1928	1929	1928	1929	1930	1931	1932	1933		
September																
October																
November	✓	↗	↘	↗	↘	↘	↗	↘	↘	↗	↘	↗	↘	↘		
December	↗	↖	↗	↗	↖	↗	↖	↖	↖	↖	↖	↖	↖	↖		
January	↗	↖	↗	↗	↖	↗	↖	↖	↖	↖	↖	↖	↖	↖		
February	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖		
March	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖		
April	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖		
May	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖	↖		



The number under each arrow is the number

South Shetland



Whale movements - Blue Whales Balance 17-176

	Arch. Islands			Arch. Islands			Arch. Georgia			Subantarctic Group			Palagic			Total	
	1931	1930	1929	1931	1930	1929	1931	1930	1929	1931	1930	1929	1931	1930	1929		
September																105	105
October																41	188 215 178 3,557
November																105	192 304 28 317 4357
December																146	171 497 285 607 12,517
January																209	215 376 67 282 9286
February																188	127 214 117 78 4472
March																110	115 106 46 249 3,556
April																170	5 779 26 2,077
May																100	473 77

Nil, all palagic

Nil, all palagic

Area	Month	During	All moving	Total	Area	Month	During	All moving	Total	Area	Month	During	All moving	Total	Area	Month	During	All moving	Total
Islands	1931	787	162	949	Georgia	1931	111	1378	1489	Subantarctic	1931	194	267	461	Palagic	1931	492	261	753
	1930	393	10	403		1930	86	22	108		1930	70	22	92		1930	497	77	574
	1929	434	27	461		1929	111	1378	1489		1929	194	267	461		1929	492	261	753

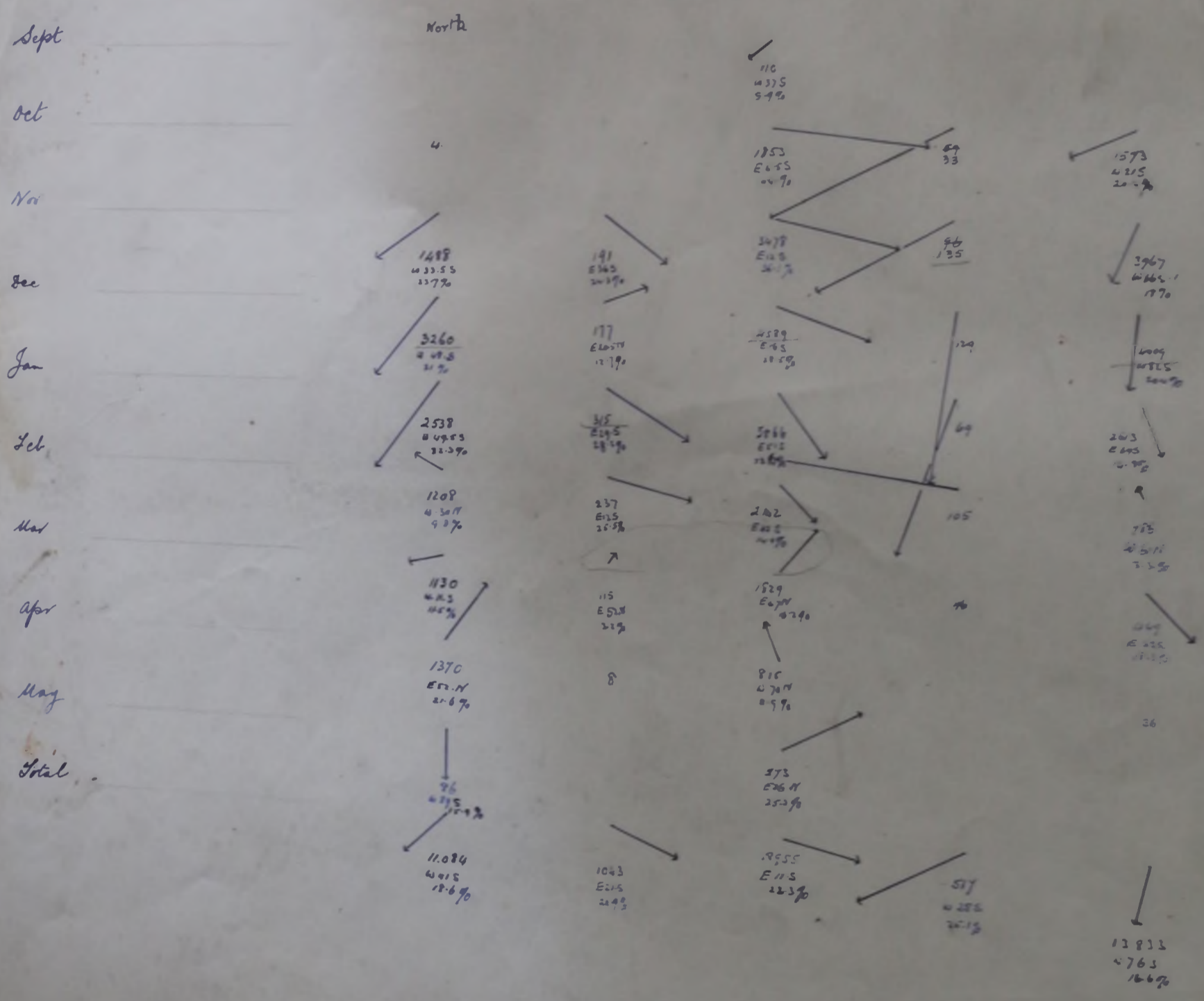
See blue whale movements of
S Shetlands 1921/2 to 1930/1
= 9 years 1 m/m = 1%

Sorknaps
1925/6, 7, 8, 9
= 5 years

S. Georgia
1914/5-1921/2
= 8 years

S. Sandwich
1921/8, 9
= 2 years

Patagonia
1926/7-30/1
= 5 years



US	S. Shet	11,670	Dec
	S. Sand	57	Nov
	Alaga	13,112	Jan
ES	S. Gk	1,242	Jan
	E. Gk	17,925	Jan
		21,414	

December
in the current month
a sum of 100% are all
sufficient to be reliable.

Whale movements - Blue whale

S. Holland

S. Orkney Is.

S. Georgia

S. Sandwich Is.

Pelagic

South Georgia

Month	S. Holland			S. Orkney Is.			S. Georgia			S. Sandwich Is.			Pelagic			South Georgia		
	1937	1938	1939	1937	1938	1939	1937	1938	1939	1937	1938	1939	1937	1938	1939	1937	1938	1939
September																		
October							↙	↙	↙							↙	↙	↙
November							↖	↖	↖							↖	↖	↖
December							↗	↗	↗							↗	↗	↗
January							↘	↘	↘							↘	↘	↘
February							↙	↙	↙							↙	↙	↙
March	No whaling	No whaling	No whaling	No whaling	No whaling	No whaling	↖	↖	↖	No whaling	No whaling	No whaling	No whaling	No whaling	No whaling	↖	↖	↖
April							↖	↖	↖									
May							↖	↖	↖									

Area	Year	Spring	Autumn	Total
S. Holland	1937			
	1938			
	1939			
S. Orkney Is.	1937			
	1938			
	1939			
S. Georgia	1937	230	204	434
	1938	240	20	260
	1939	475	223	698
S. Sandwich Is.	1937			
	1938			
	1939			
Pelagic	1937			
	1938			
	1939			
South Georgia	1937	210	200	410
	1938	220	70	290
	1939	472	200	672
Total	1937	230	204	434
	1938	240	20	260
	1939	475	223	698

Handwritten notes and signatures at the bottom right of the page.



Pelagic Halibut by South Island
 Fisheries 1927/8
 Data - 1929

T. Toward	✓
R. Fall	✓
D. Orr	✓
R. Knud	✓
SA - S. Empress	✓
EA - R. Amundsen	✓
S - Edström	✓
SP - Sound Topp	✓
SA - Swilla	✓
∴ ∅ - Sørby - Ormell	✓
* AN - Sander - Angleton	✓

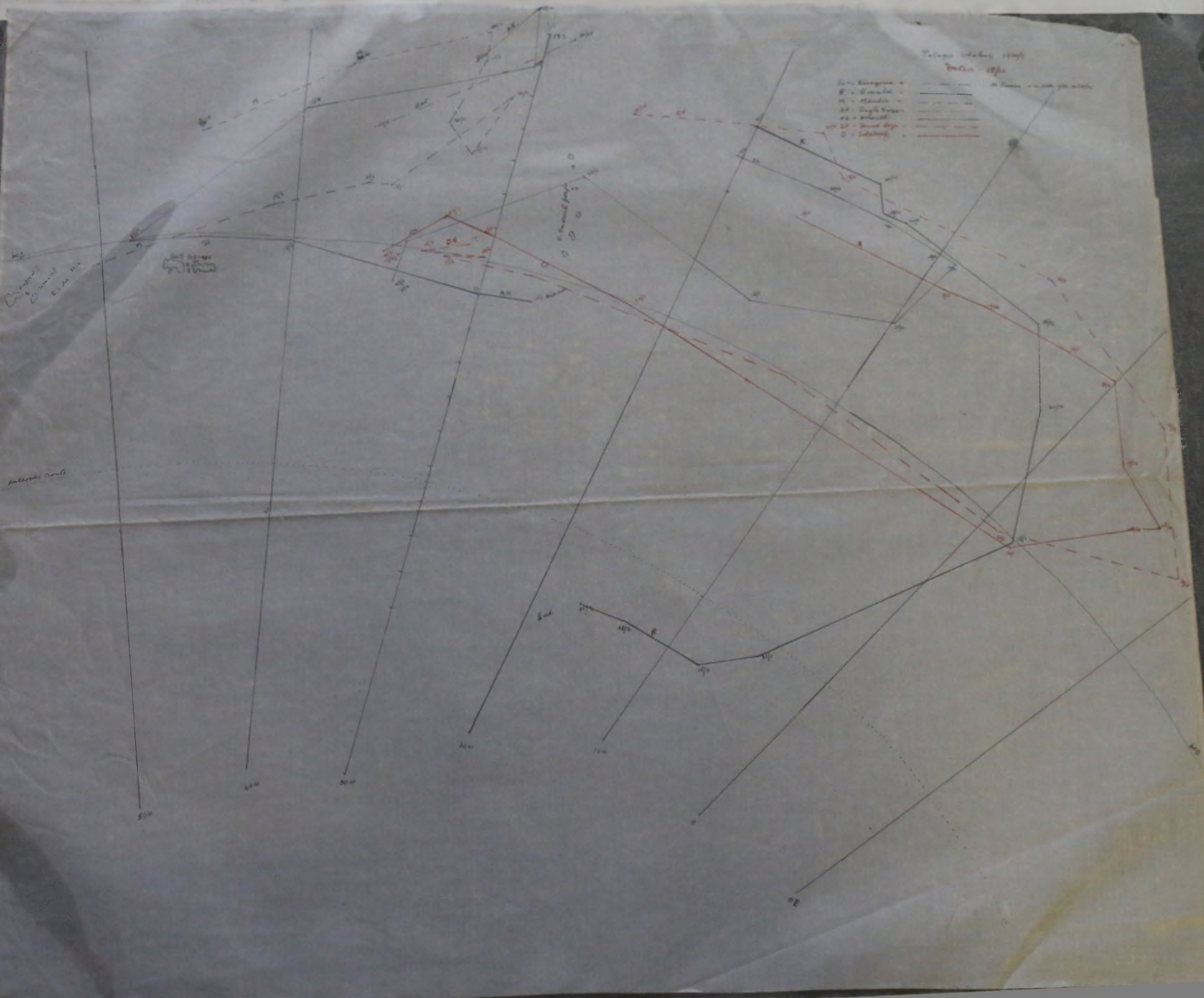
Superficial zone
 Manda
 Sargassum
 Halibut in all of sea

Note: Only pelagic halibut
 operating without a license
 in this zone was seen

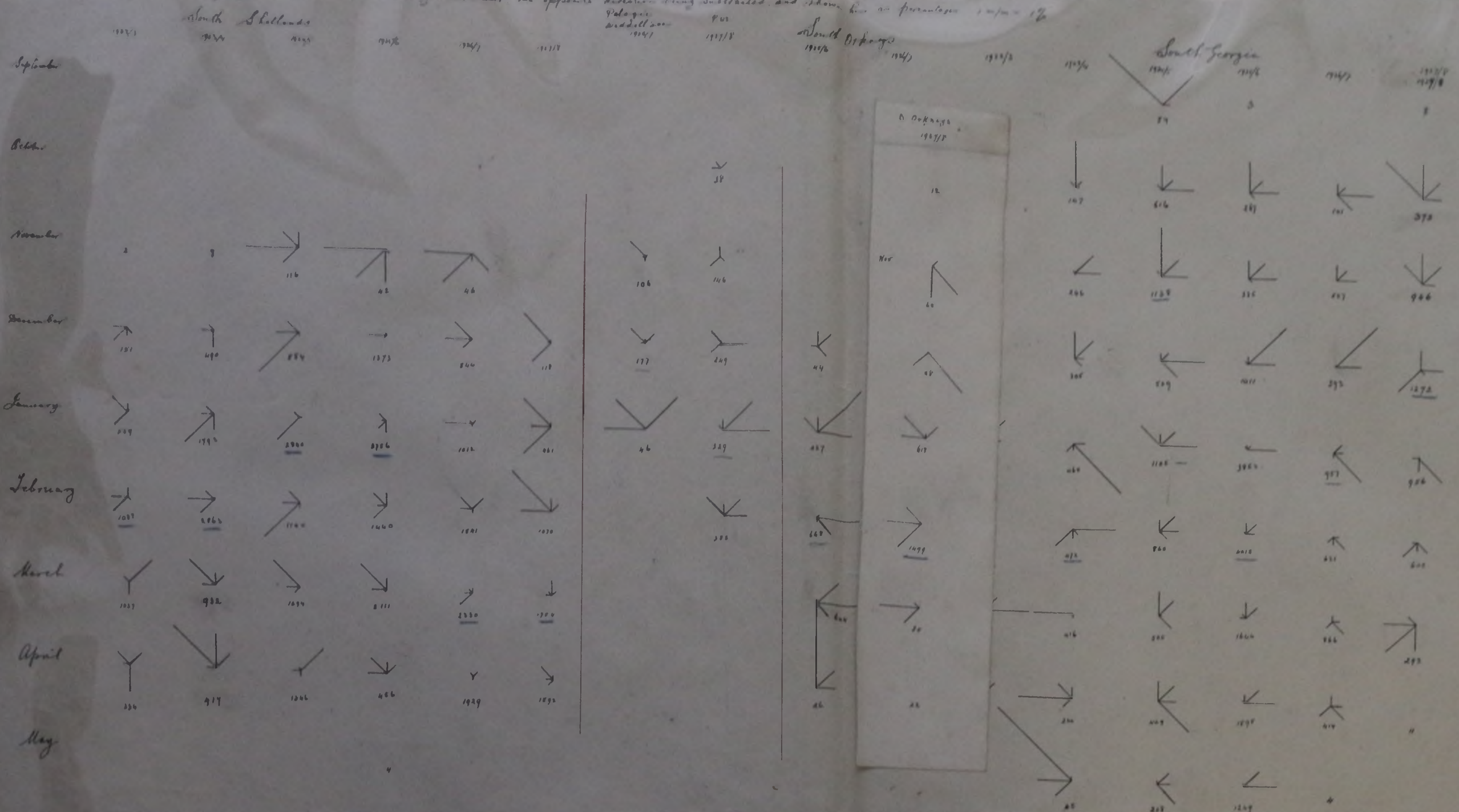
ant	at
4	Strombol 21,200
5	Antarctic 66,000
5	Pelagos 69,000
	Franga

Ed Knud
 1929





Whole movement of Fin Whales. Balance of movement the opposite direction being subtracted, and shown here as percentages 100/100 = 100



The numbers under each site is the number of Fin Whales reported with a direction
 Fin Whales reported 108,849 00-207
 moving 77,992 66-000 or 75.0%
 opposite

White movements, Fin whale

East Netherlands

South Norway

East Fergan

East Denmark Group

Pelagic

September

October

November

December

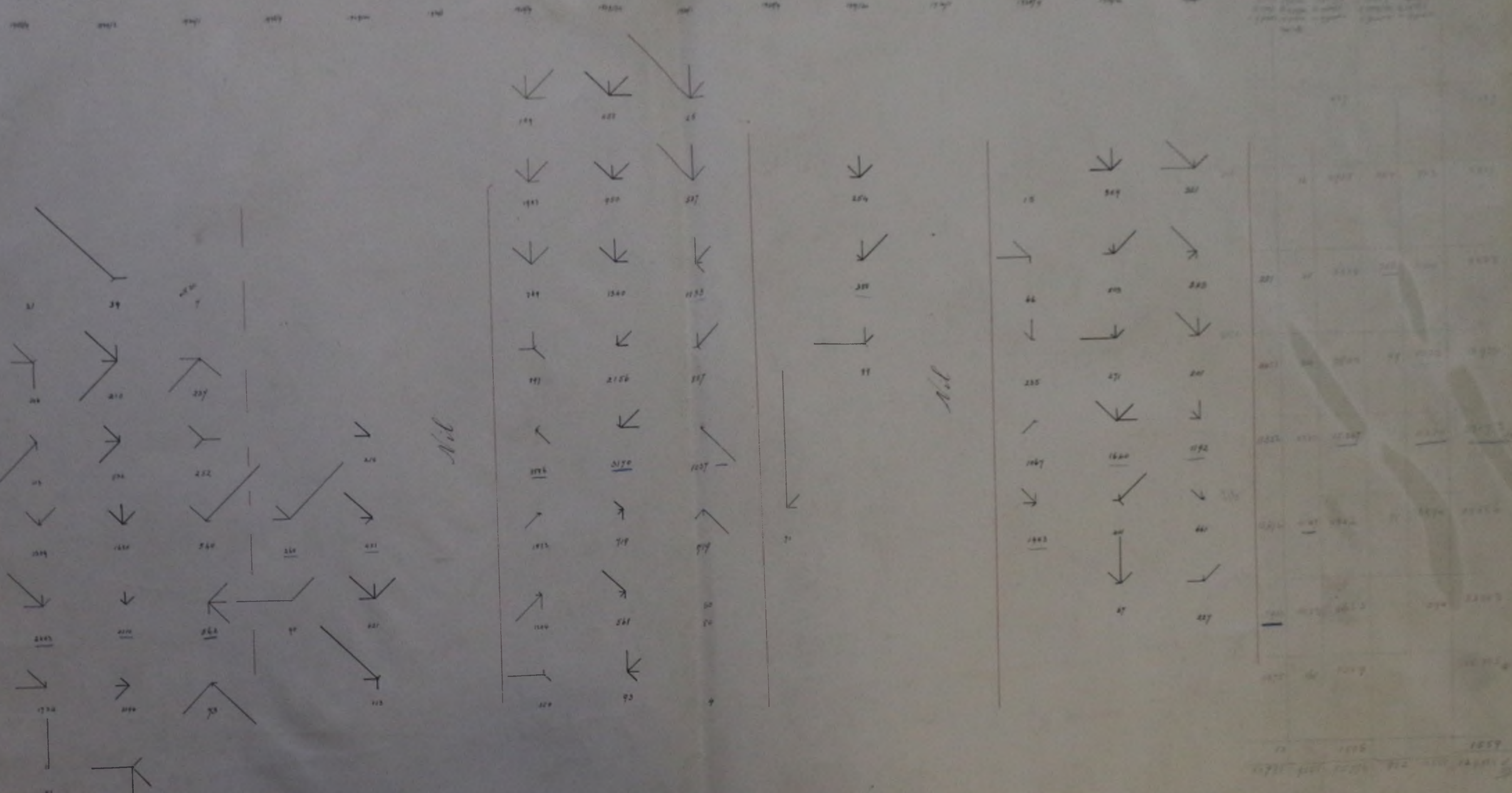
January

February

March

April

May



East Netherlands	South Norway	East Fergan	East Denmark Group	Pelagic
1931/9	1931/10	1931/11	1931/12	1931/1
2762	700	1277	26	2311
6726	803	2177	21	2311
1931/1	1671	2277	22	2311

East Fergan	East Denmark Group	Pelagic
1931/11	1931/12	1931/1
1277	26	2311
2177	21	2311
2277	22	2311

East Denmark Group	Pelagic
1931/12	1931/1
26	2311
21	2311
22	2311

Pelagic
1931/1
2311
2311
2311

Summary
1931/1
2311
2311
2311

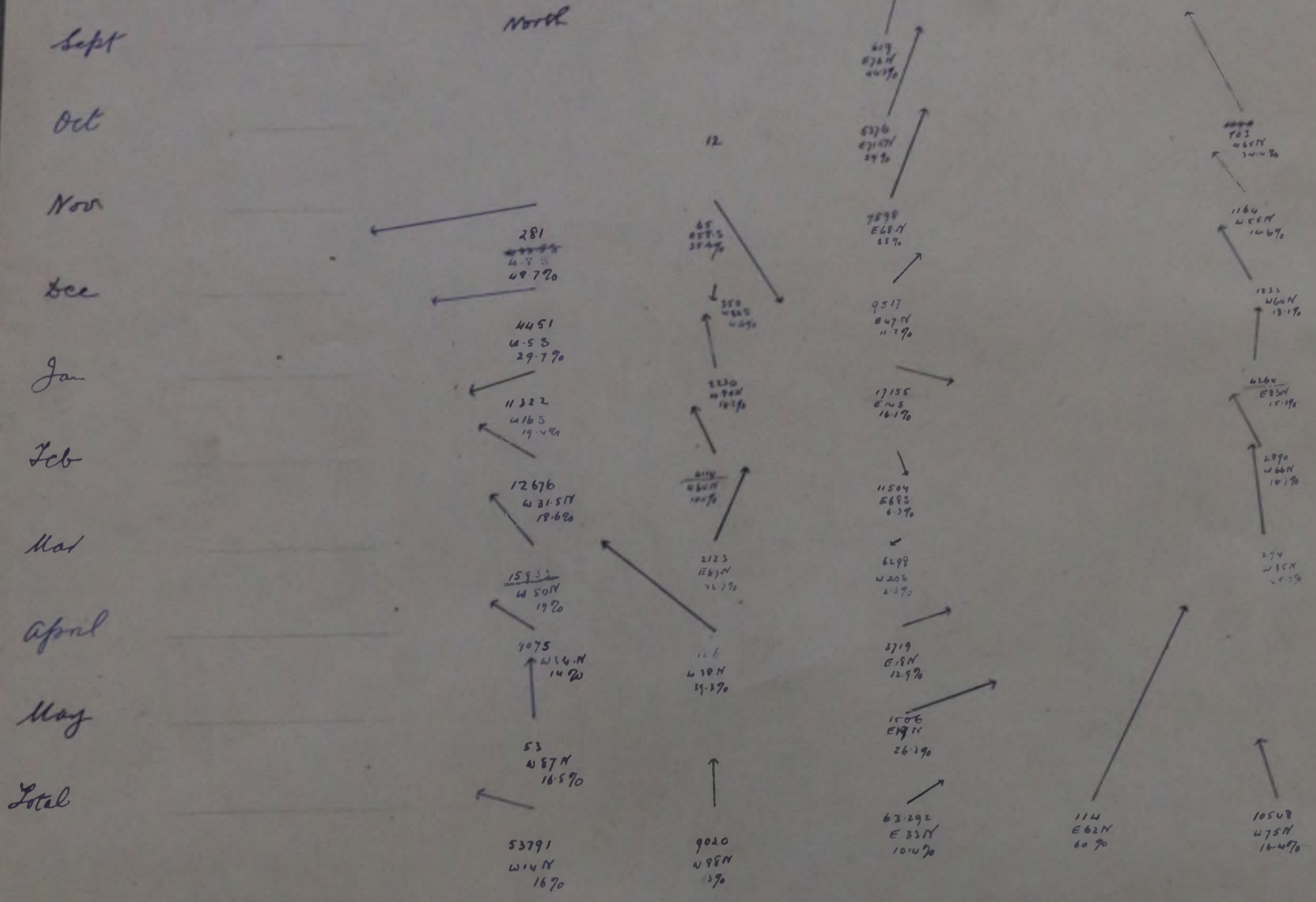
Sum Fin whale movements at
S Shetlands 1923/24 to 1930/31
= 9 years 1 year = 10

Sorknaps
25/6, 17, 20
= 3 years

S Georgia
1911/12 - 1924/25
= 14 years

Stansvick
1927/28, 29
= 2 years

Dalage
1926/27 - 30/31
= 5 years



E+M	{ S Georgia	63292	Jan
	{ Stansvick	114	-
W+M	{ S Shetlands	53791	Mar
	{ Sorknaps	9020	Feb
	{ Dalage	15068	Jan
		<u>136765</u>	

Whale movements, Fin whale

Month	S. Shetland 1932			S. Orkney 1932			S. Georgia 1932			S. Sandwich Is. 1932			Palagan 1932			S. Georgia 1932		
	1932	1932	1932	1932	1932	1932	1932	1932	1932	1932	1932	1932	1932	1932	1932	1932	1932	
September																		
October																		
November																		
December																		
January																		
February																		
March																		
April																		
May																		

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

No whaling

S. Shetland	1932	1932	1932
1932	1932	1932	1932
1932	1932	1932	1932

S. Orkney	1932	1932	1932
1932	1932	1932	1932
1932	1932	1932	1932

S. Georgia	1932	1932	1932
1932	1932	1932	1932
1932	1932	1932	1932

S. Sandwich Is.	1932	1932	1932
1932	1932	1932	1932
1932	1932	1932	1932

Palagan	1932	1932	1932
1932	1932	1932	1932
1932	1932	1932	1932

S. Georgia	1932	1932	1932
1932	1932	1932	1932
1932	1932	1932	1932

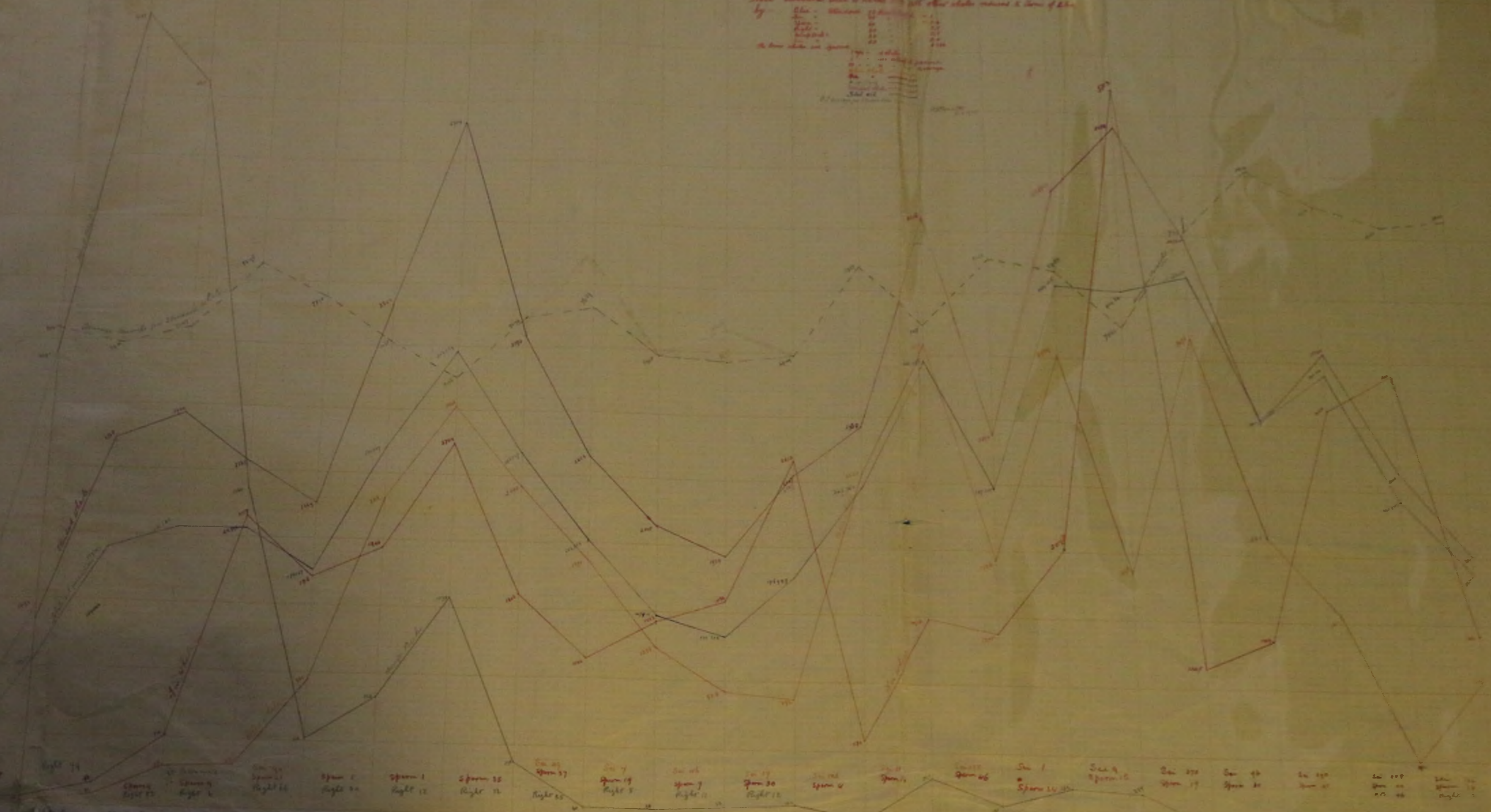
Total	1932	1932	1932
1932	1932	1932	1932
1932	1932	1932	1932
1932	1932	1932	1932

South Georgia Whaling

South Georgia Whaling

Note Standard Blue Whales all other whales named & time of day

Sp. 1	Sp. 2	Sp. 3	Sp. 4	Sp. 5	Sp. 6	Sp. 7	Sp. 8	Sp. 9	Sp. 10	Sp. 11	Sp. 12	Sp. 13	Sp. 14	Sp. 15	Sp. 16	Sp. 17	Sp. 18	Sp. 19	Sp. 20	Sp. 21	Sp. 22	Sp. 23	Sp. 24	Sp. 25	Sp. 26	Sp. 27	Sp. 28	Sp. 29	Sp. 30	Sp. 31	Sp. 32	Sp. 33	Sp. 34	Sp. 35	Sp. 36	Sp. 37	Sp. 38	Sp. 39	Sp. 40	Sp. 41	Sp. 42	Sp. 43	Sp. 44	Sp. 45	Sp. 46	Sp. 47	Sp. 48	Sp. 49	Sp. 50	Sp. 51	Sp. 52	Sp. 53	Sp. 54	Sp. 55	Sp. 56	Sp. 57	Sp. 58	Sp. 59	Sp. 60	Sp. 61	Sp. 62	Sp. 63	Sp. 64	Sp. 65	Sp. 66	Sp. 67	Sp. 68	Sp. 69	Sp. 70	Sp. 71	Sp. 72	Sp. 73	Sp. 74	Sp. 75	Sp. 76	Sp. 77	Sp. 78	Sp. 79	Sp. 80	Sp. 81	Sp. 82	Sp. 83	Sp. 84	Sp. 85	Sp. 86	Sp. 87	Sp. 88	Sp. 89	Sp. 90	Sp. 91	Sp. 92	Sp. 93	Sp. 94	Sp. 95	Sp. 96	Sp. 97	Sp. 98	Sp. 99	Sp. 100
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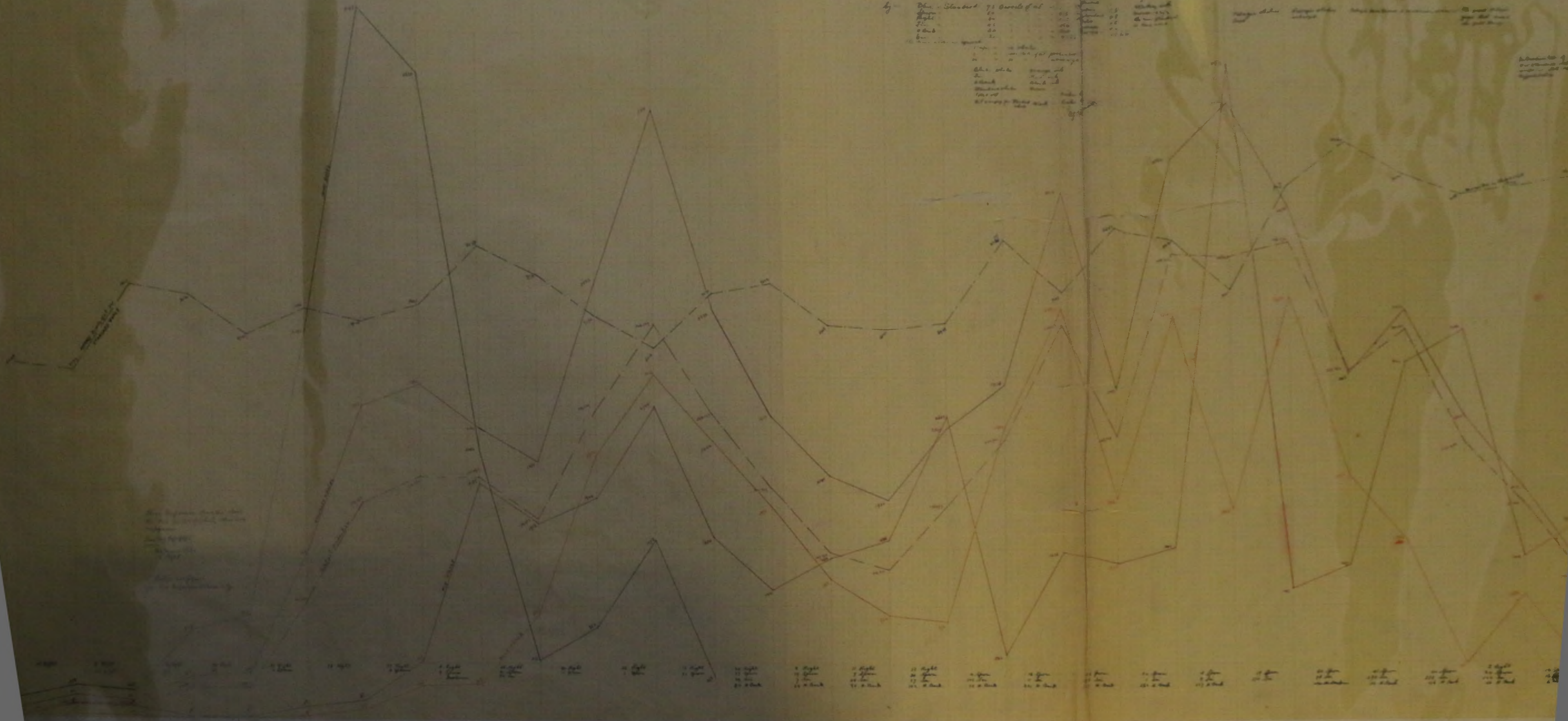


23 Sp. 1
 24 Sp. 2
 25 Sp. 3
 26 Sp. 4
 27 Sp. 5
 28 Sp. 6
 29 Sp. 7
 30 Sp. 8
 31 Sp. 9
 32 Sp. 10
 33 Sp. 11
 34 Sp. 12
 35 Sp. 13
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 37 Sp. 15
 38 Sp. 16
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 98 Sp. 76
 99 Sp. 77
 100 Sp. 78

South Georgia Whales

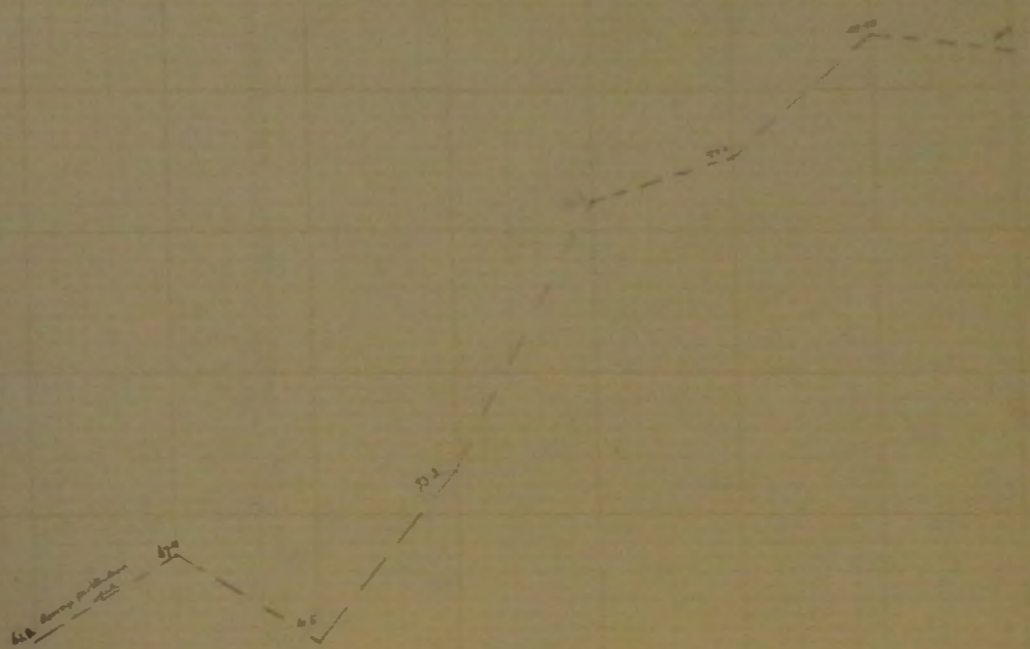
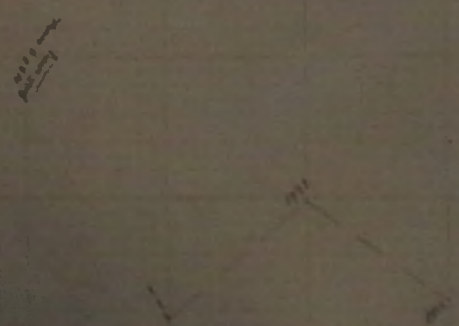
Note Standard Whales are all other whales

Year	Standard	Other	Total
1944	10	5	15
1945	12	8	20
1946	15	10	25
1947	18	12	30
1948	20	15	35
1949	22	18	40
1950	25	20	45
1951	28	22	50
1952	30	25	55
1953	32	28	60
1954	35	30	65
1955	38	32	70
1956	40	35	75
1957	42	38	80
1958	45	40	85
1959	48	42	90
1960	50	45	95
1961	52	48	100
1962	55	50	105
1963	58	52	110
1964	60	55	115
1965	62	58	120
1966	65	60	125
1967	68	62	130
1968	70	65	135
1969	72	68	140
1970	75	70	145
1971	78	72	150
1972	80	75	155
1973	82	78	160
1974	85	80	165
1975	88	82	170
1976	90	85	175
1977	92	88	180
1978	95	90	185
1979	98	92	190
1980	100	95	195
1981	102	98	200
1982	105	100	205
1983	108	102	210
1984	110	105	215
1985	112	108	220
1986	115	110	225
1987	118	112	230
1988	120	115	235
1989	122	118	240
1990	125	120	245
1991	128	122	250
1992	130	125	255
1993	132	128	260
1994	135	130	265
1995	138	132	270
1996	140	135	275
1997	142	138	280
1998	145	140	285
1999	148	142	290
2000	150	145	295
2001	152	148	300
2002	155	150	305
2003	158	152	310
2004	160	155	315
2005	162	158	320
2006	165	160	325
2007	168	162	330
2008	170	165	335
2009	172	168	340
2010	175	170	345
2011	178	172	350
2012	180	175	355
2013	182	178	360
2014	185	180	365
2015	188	182	370
2016	190	185	375
2017	192	188	380
2018	195	190	385
2019	198	192	390
2020	200	195	395
2021	202	198	400
2022	205	200	405
2023	208	202	410
2024	210	205	415
2025	212	208	420
2026	215	210	425
2027	218	212	430
2028	220	215	435
2029	222	218	440
2030	225	220	445



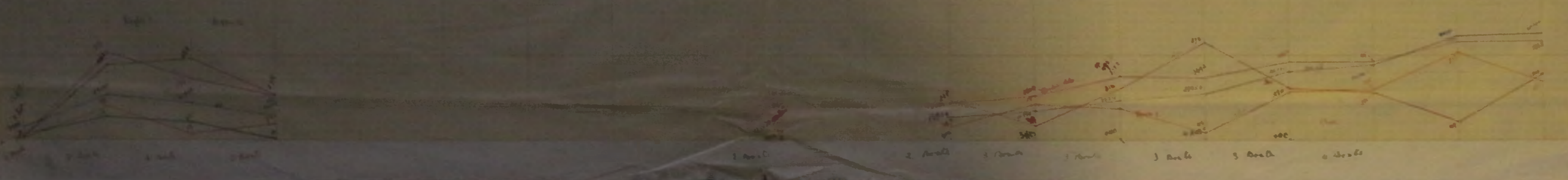
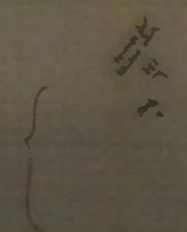
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South Orkney Whaling

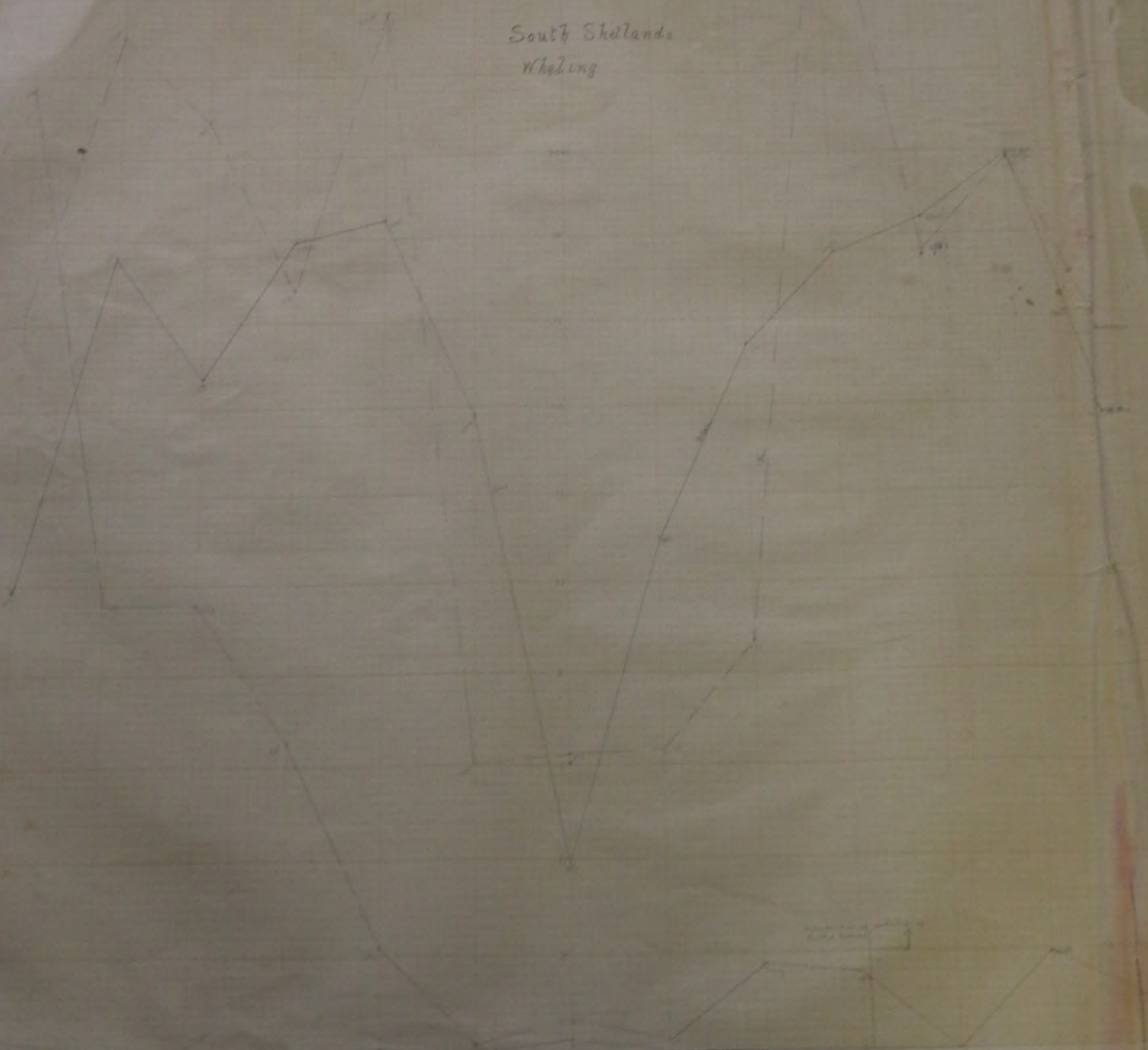


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No whaling
 during the summer



South Shetlands
Whaling



1909-10 1910-11 1911-12 1912-13 1913-14 1914-15 1915-16 1916-17 1917-18 1918-19 1919-20 1920-21 1921-22 1922-23 1923-24 1924-5 1925-26 1926/7 1927/8 1928/9 1929/30 1930/1

Small Shalmses Whaling

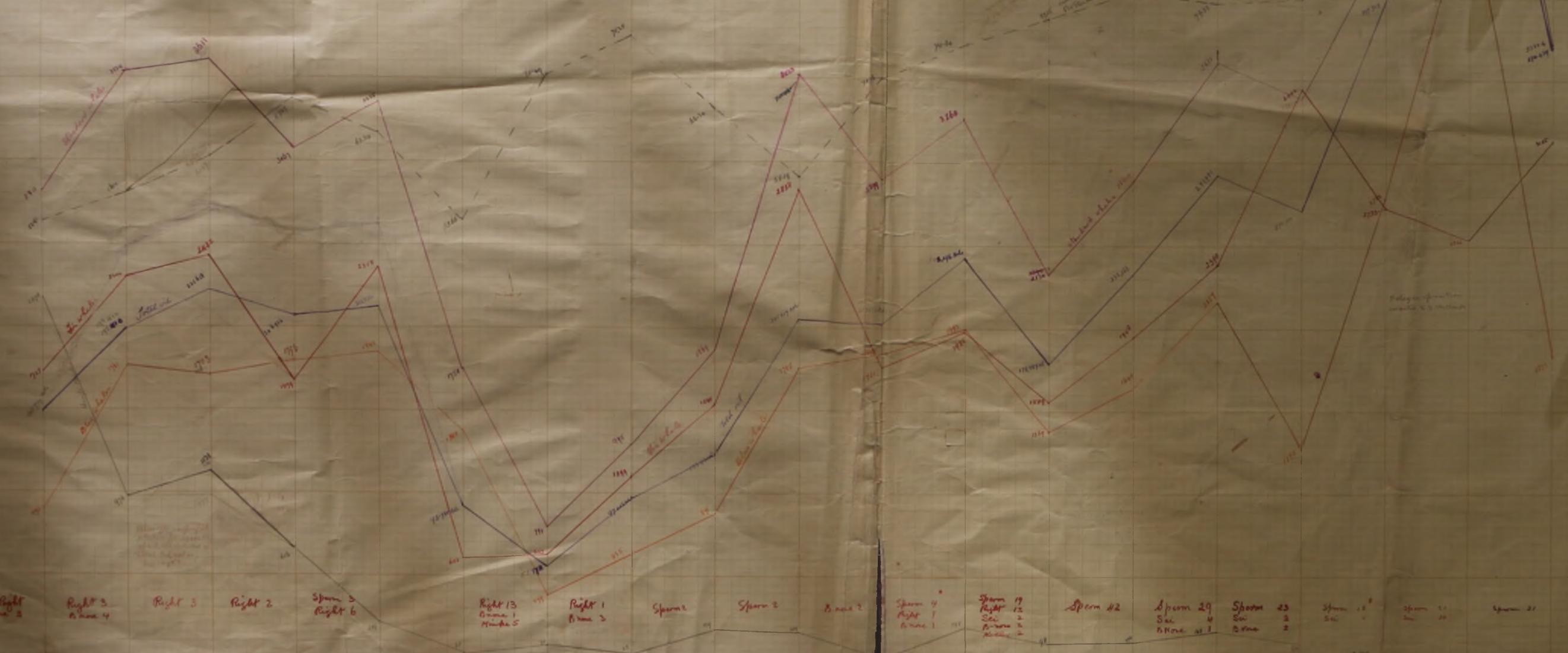
South Shetlands Whaling

W. Standard Max. value of ...
 The lower data are ...

1909-10	1910-11	1911-12	1912-13	1913-14	1914-15	1915-16	1916-17	1917-18	1918-19	1919-20	1920-21	1921-22	1922-23	1923-24	1924-5	1925-26	1926/7	1927/8	1928/9	1929/30	1930/1	
...

1909-10 ...
 1910-11 ...
 1911-12 ...
 1912-13 ...
 1913-14 ...
 1914-15 ...
 1915-16 ...
 1916-17 ...
 1917-18 ...
 1918-19 ...
 1919-20 ...
 1920-21 ...
 1921-22 ...
 1922-23 ...
 1923-24 ...
 1924-5 ...
 1925-26 ...
 1926/7 ...
 1927/8 ...
 1928/9 ...
 1929/30 ...
 1930/1 ...

Significant ...
 Most of the ...
 was ...
 ...
 ...



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 Sperm 2
 Sperm 3
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 Sperm 49
 Sperm 50

South Shetlands Whaling

Note. Standard Whales are all other whales reduced to term of Blue-whales.

Blue - Standard	10 barrels of oil	1.00
Green	10 "	0.80
Red	10 "	0.70
Black	10 "	0.60
White	10 "	0.50
76 barrel whale	10 "	0.40

17 - 10 whales
18 - 100 barrels of oil
19 - 100 barrels of oil
20 - 100 barrels of oil

Blue-whale
Green-whale
Red-whale
Black-whale
White-whale
76 barrel whale

Orange-whale
Red-whale
Black-whale
Green-whale
White-whale
76 barrel whale

1935

Best whaling at
Shetlands by
the British in
the 19th century

Whaling in the
South Shetlands
1810-1830

Whaling in the
South Shetlands
1830-1850

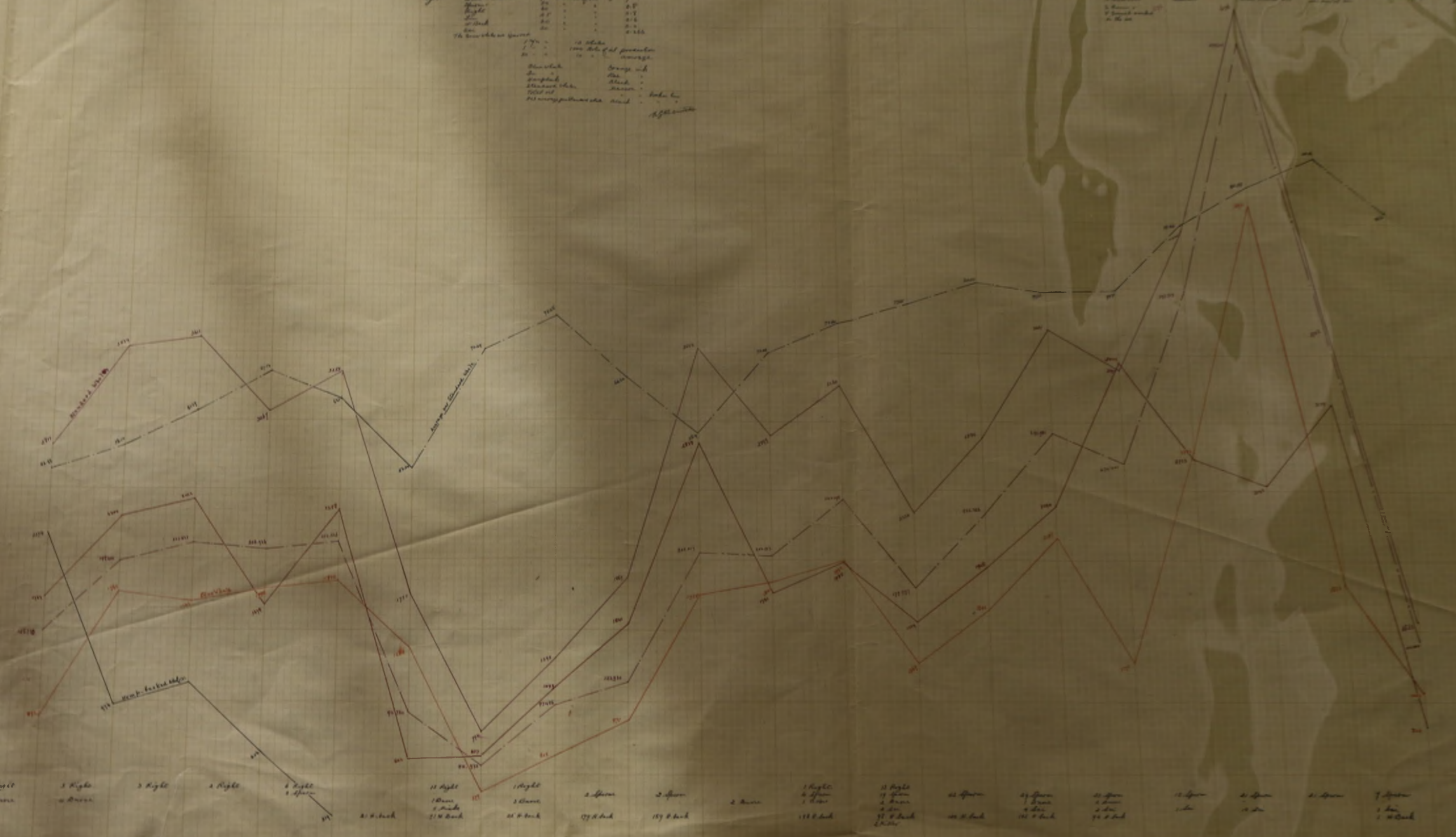
Whaling in the
South Shetlands
1850-1870

Whaling in the
South Shetlands
1870-1890

Whaling in the
South Shetlands
1890-1910

Whaling in the
South Shetlands
1910-1930

Whaling in the
South Shetlands
1930-1950



1810
1815
1820
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