DataSourceCheck

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Histogram of lumpData\$YEAR

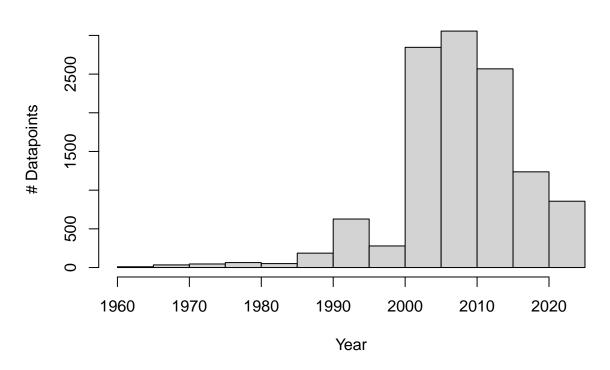


Figure 1: Number of datapoints per year

YEAR	count
1963 1964	3 1
1965	6
1966	3
1967	10
1968	4
1969 1970	8 9
1971	8
1972	7
1973	14
1974 1975	6 11
1976	3
1977	7
1978	16
1979 1980	15 23
1981	13
1982	21
1983	5
1984 1985	7 5
1986	20
1987	18
1988	12
1989 1990	56 80
1991	107
1992	129
1993 1994	$\frac{176}{114}$
1994	101
1996	64
1997	95
1998	48
1999 2000	28 44
2001	64
2002	86
2003	338
2004 2005	617 1741
2006	427
2007	472
2008 2009	571 750
2010	836
2011	699
2012	405
2013 2014	289 584
2014	591
2016	186
2017	357
2018 2019	$\frac{265}{238}$
2020	191
2021	849
2022	8

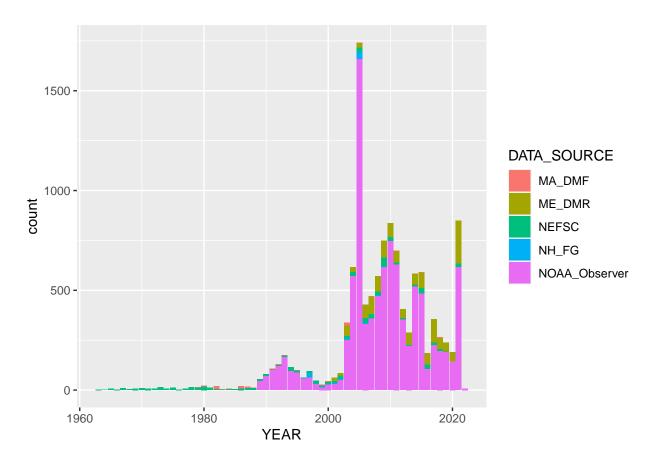


Figure 2: Number of datapoints per year separated by Data Source

Table 2: Year and Source Breakdown (1/2)

unt YEAR DATA_SOURCE count	count	DATA_SOURCE	YEAR
3 1990 NOAA_Observer 70	3	B NEFSC	1963
1 1991 MA_DMF 4		4 NEFSC	1964
6 1991 NEFSC 3		5 NEFSC	1965
3 1991 NOAA_Observer 100	3	6 NEFSC	1966
10 1992 MA_DMF 4	10	NEFSC	1967
4 1992 NEFSC 6	4	8 NEFSC	1968
8 1992 NOAA_Observer 119	8) NEFSC	1969
9 1993 MA_DMF 4) NEFSC	1970
8 1993 NEFSC 7	8	NEFSC	1971
7 1993 NOAA_Observer 165	7	2 NEFSC	1972
14 1994 NEFSC 19	14	8 NEFSC	1973
6 1994 NOAA_Observer 95	6	4 NEFSC	1974
11 1995 MA_DMF 4		5 NEFSC	1975
3 1995 NEFSC 10	3		1976
7 1995 NOAA_Observer 87	7	' NEFSC	1977
2 1996 NEFSC 7	2		1978
14 1996 NOAA_Observer 57			1978
3 1997 NEFSC 12	3) MA_DMF	1979
12 1997 NH_FG 21	12) NEFSC	1979
5 1997 NOAA_Observer 62	5) MA_DMF	1980
18 1998 MA_DMF 2	18) NEFSC	1980
2 1998 NEFSC 13	2	MA_DMF	1981
11 1998 NH_FG 4	11	NEFSC	1981
17 1998 NOAA_Observer 29	17	2 MA_DMF	1982
4 1999 MA_DMF 6	4	2 NEFSC	1982
3 1999 NEFSC 8			1983
2 1999 NH_FG 1			1983
2 1999 NOAA_Observer 13			1984
5 2000 MA_DMF 1			1984
5 2000 ME_DMR 3	5	5 NEFSC	1985
12 2000 NEFSC 10	12	6 MA_DMF	1986
8 2000 NH_FG 2			1986
8 2000 NOAA_Observer 28	8		1987
10 2001 MA_DMF 2	10	7 NEFSC	1987
3 2001 ME_DMR 17	3	B MA_DMF	1988
9 2001 NEFSC 7	9	NEFSC	1988
11 2001 NH_FG 8	11) NEFSC	1989
45 2001 NOAA_Observer 30	45	NOAA_Observer	1989
1 2002 MA_DMF 1	1) MA_DMF	1990
	9) NEFSC	1990

YEAR	MinLat	MaxLat	MinLong	MaxLong
1963	41.83333	43.35000	-69.96667	-68.53333
1964	44.05000	44.05000	-68.21667	-68.21667
1965	40.45000	43.61667	-68.80000	-65.75000
1966	41.56667	43.05000	-70.25000	-68.68333
1967	41.25000	43.45000	-69.88333	-64.60000

continued	

YEAR	MinLat	MaxLat	MinLong	MaxLong
1968	41.56667	43.03333	-70.61667	-65.63333
1969	40.58333	44.65000	-69.98333	-64.70000
1970	40.63333	43.61667	-70.00000	-64.50000
1971	41.78333	43.95000	-68.58333	-64.46667
1972	42.20000	44.28333	-70.25000	-66.56667
1973	41.43333	44.20000	-70.28333	-64.13333
1974	42.91667	43.41667	-70.11667	-64.11667
1975	42.25000	44.16667	-70.20000	-66.98333
1976	41.73333	43.75000	-69.76667	-64.28333
1977	40.90000	44.30000	-69.66667	-65.83333
1978	41.08333	44.21667	-70.42267	-63.90000
1979	41.35000	44.35000	-70.92517	-65.38333
1980	39.20000	44.30000	-74.55000	-65.35000
1981	40.85000	44.31667	-70.75117	-65.21667
1982	41.74217	43.71667	-70.74250	-65.45000
1983	42.70817	43.90000	-70.75083	-68.43333
1984	42.06767	44.31667	-70.63950	-66.41667
1985	41.40000	44.01667	-70.40000	-66.63333
1986	41.97450	44.31667	-70.71350	-66.60000
1987	41.85000	44.35000	-70.73333	-66.70000
1988	42.31667	44.11667	-70.69883	-66.58333
1989	39.51862	44.28224	-72.39420	-65.95000
1990	40.41691	44.26667	-70.87109	-66.41667
1991	40.41691	44.28224	-70.79617	-67.44059
1992	39.51862	44.28224	-72.39420	-66.63333
1993	40.49857	44.28224	-71.46660	-66.52396
1994	40.49857	44.16667	-71.46660	-66.58333
1995	39.49140	44.28224	-73.50714	-67.39261
1996	41.23352	43.68333	-70.53333	-66.60000
1997	40.41691	44.41667	-70.85419	-66.36667
1998	39.49140	44.11667	-73.50714	-66.71667
1999	40.01933	44.21433	-71.46660	-66.58733
2000	37.01467	44.58780	-74.73383	-66.36767
2001	39.51862	44.65595	-72.39420	-66.75609
2002	41.72350	44.53153	-70.85419	-66.59317
2003	40.41691	44.59635	-71.46660	-66.79142
2004	38.51146	44.77074	-73.50994	-66.16967
2005	39.49140	44.62450	-73.50714	-66.49225
2006	40.41691	44.50639	-70.82003	-66.46847
2007	40.41691	44.76868	-70.95550	-66.74728
2008	40.41691	44.72416	-70.87109	-66.63096
2009	37.50430	44.52421	-74.51710	-66.64065
2010	37.50430	44.64460	-74.51710	-67.10059
2011	40.60745	44.65062	-70.87109	-66.79142
2012	41.72350	44.52500	-70.60698	-67.15181
2013	38.51146	44.44257	-73.50994	-66.76661
2014	40.60745	44.68487	-70.87109	-67.11232
2015	40.41691	44.49910	-70.87109	-66.76661
2016 2017	39.51862 35.48997	44.59638 44.73924	-72.49803 -75.28286	-66.44018 -66.79142
2018	40.96812	44.68482	-70.67387	-66.09097
2018	40.90812 41.72350	44.66759	-70.63820	-67.09868
2019	38.51146	44.74422	-70.03820 -73.50994	-67.09808 -67.01329
2020	40.41691	44.73650	-70.71811	-66.93450
2021	42.40401	42.40401	-70.77311	-70.37739
	12.10101	12.10101		

Table 3: Year and Source Breakdown (2/2)

YEAR DATA_SOURCE count YEAR DATA_SOURCE count 2002 NEFSC 17 2011 NEFSC 9 2002 NH_FG 5 2011 NEFSC 629 2002 NA_DMF 15 2012 NE DMR 43 2003 MA_DMF 15 2012 NESC 10 2003 NEFSC 11 2013 MA_DMF 1 2003 NEFSC 11 2013 ME_DMR 61 2003 NA_OAA_Observer 249 2013 NEFSC 5 2004 ME_DMR 25 2013 NH_FG 1 2004 NEFSC 20 2013 NOAA_Observer 221 2004 NH_FG 2 2014 ME_DMR 55 2004 NEFSC 20 2014 NGAA_Observer 221 2004 NGA_DMF 2 2014 NGAA_Observer 518 2005 NH_FG<						
2002 NH_FG 5 2011 NOAA_Observer 629 2002 NOAA_Observer 50 2012 ME_DMR 43 2003 MA_DMF 15 2012 NEFSC 10 2003 ME_DMR 54 2012 NOAA_Observer 352 2003 NEFSC 11 2013 MA_DMF 1 2003 NGAA_Observer 249 2013 NEFSC 5 2004 ME_DMR 25 2013 NH_FG 1 2004 ME_DMR 25 2013 NH_FG 1 2004 NEFSC 20 2014 ME_DMR 55 2004 NH_FG 2 2014 ME_DMR 55 2004 NGAA_Observer 570 2014 NEFSC 11 2005 MA_DMF 2 2014 NOAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 NH_FG <td>YEAR</td> <td>DATA_SOURCE</td> <td>count</td> <td>YEAR</td> <td>DATA_SOURCE</td> <td>count</td>	YEAR	DATA_SOURCE	count	YEAR	DATA_SOURCE	count
2002 NOAA_Observer 50 2012 ME_DMR 43 2003 MA_DMF 15 2012 NEFSC 10 2003 ME_DMR 54 2012 NOAA_Observer 352 2003 NEFSC 11 2013 MA_DMF 1 2003 NH_FG 9 2013 ME_DMR 61 2004 ME_DMR 25 2013 NH_FG 1 2004 ME_DMR 25 2013 NH_FG 1 2004 NEFSC 20 2013 NH_FG 1 2004 NEFSC 20 2013 NH_FG 1 2004 NA_DMF 2 2014 ME_DMR 55 2004 NA_DMF 2 2014 NGAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 NH_FG 37 2015 NEFSC 26 2005 NH_FG 37	2002	NEFSC	17	2011	NEFSC	9
2003 MA_DMF 15 2012 NEFSC 10 2003 ME_DMR 54 2012 NOAA_Observer 352 2003 NEFSC 11 2013 MA_DMF 1 2003 NH_FG 9 2013 ME_DMR 61 2003 NOAA_Observer 249 2013 NEFSC 5 2004 ME_DMR 25 2013 NH_FG 1 2004 NEFSC 20 2013 NH_FG 1 2004 NEFSC 20 2014 ME_DMR 55 2004 NGAA_Observer 570 2014 NEFSC 11 2005 MA_DMF 2 2014 NEFSC 11 2005 ME_DMR 23 2015 MA_DMF 1 2005 NEFSC 21 2015 ME_DMR 80 2005 NH_FG 37 2015 NEFSC 26 2006 ME_DMR 68	2002	NH_FG	5	2011	$NOAA_Observer$	629
2003 ME_DMR 54 2012 NOAA_Observer 352 2003 NEFSC 11 2013 MA_DMF 1 2003 NH_FG 9 2013 ME_DMR 61 2003 NOAA_Observer 249 2013 NEFSC 5 2004 ME_DMR 25 2013 NOAA_Observer 221 2004 NEFSC 20 2013 NOAA_Observer 221 2004 NM_FG 2 2014 ME_DMR 55 2004 NOAA_Observer 570 2014 NEFSC 11 2005 MA_DMF 2 2014 NOAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 NH_FG 37 2015 NEFSC 26 2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 <td< td=""><td>2002</td><td>$NOAA_Observer$</td><td>50</td><td>2012</td><td>ME_DMR</td><td>43</td></td<>	2002	$NOAA_Observer$	50	2012	ME_DMR	43
2003 NEFSC 11 2013 MA_DMF 1 2003 NH_FG 9 2013 ME_DMR 61 2003 NOAA_Observer 249 2013 NEFSC 5 2004 ME_DMR 25 2013 NH_FG 1 2004 NEFSC 20 2013 NOAA_Observer 221 2004 NH_FG 2 2014 ME_DMR 55 2004 NOAA_Observer 570 2014 NEFSC 11 2005 MA_DMF 2 2014 NOAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 NEFSC 21 2015 ME_DMR 80 2005 NH_FG 37 2015 NEFSC 26 2005 NH_FG 37 2015 NEFSC 26 2006 ME_DMR 68 2015 NH_FG 2 2006 NH_FG 5 <td>2003</td> <td>MA_DMF</td> <td>15</td> <td>2012</td> <td></td> <td></td>	2003	MA_DMF	15	2012		
2003 NH_FG 9 2013 ME_DMR 61 2003 NOAA_Observer 249 2013 NEFSC 5 2004 ME_DMR 25 2013 NH_FG 1 2004 NEFSC 20 2013 NOAA_Observer 221 2004 NH_FG 2 2014 ME_DMR 55 2004 NOAA_Observer 570 2014 NEFSC 1 2005 MA_DMF 2 2014 NOAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 ME_DMR 23 2015 ME_DMR 80 2005 NH_FG 37 2015 MEFSC 26 2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NH_FG 2 2006 NOAA_Observer	2003	ME_DMR	54	2012	$NOAA_Observer$	352
2003 NOAA_Observer 249 2013 NEFSC 5 2004 ME_DMR 25 2013 NH_FG 1 2004 NEFSC 20 2013 NOAA_Observer 221 2004 NH_FG 2 2014 ME_DMR 55 2004 NOAA_Observer 570 2014 NEFSC 11 2005 MA_DMF 2 2014 NOAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 NEFSC 21 2015 ME_DMR 80 2005 NH_FG 37 2015 NEFSC 26 2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NOAA_Observer 482 2006 NEFSC 23 2016 ME_DMR 18 2007 ME_DMR<	2003	NEFSC	11	2013	MA_DMF	1
2004 ME_DMR 25 2013 NH_FG 1 2004 NEFSC 20 2013 NOAA_Observer 221 2004 NH_FG 2 2014 ME_DMR 55 2004 NOAA_Observer 570 2014 NEFSC 11 2005 MA_DMF 2 2014 NOAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 NEFSC 21 2015 ME_DMR 80 2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NOAA_Observer 482 2006 NEFSC 23 2016 NEFSC 25 2006 NOAA_Observer 331 2016 NEFSC 25 2006 NOAA_Observer 331 2016 NEFSC 12 2007 <t< td=""><td>2003</td><td>NH_FG</td><td>9</td><td>2013</td><td>ME_DMR</td><td>61</td></t<>	2003	NH_FG	9	2013	ME_DMR	61
2004 NEFSC 20 2013 NOAA_Observer 221 2004 NH_FG 2 2014 ME_DMR 55 2004 NOAA_Observer 570 2014 NEFSC 11 2005 MA_DMF 2 2014 NOAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 NEFSC 21 2015 ME_DMR 80 2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NH_FG 2 2006 NEFSC 23 2016 ME_DMR 57 2006 NH_FG 5 2016 NEFSC 25 2006 NOAA_Observer 331 2016 NEFSC 25 2006 NA_DMF 5 2017 MA_DMF 12 2007 ME_DMR	2003	$NOAA_Observer$	249	2013	NEFSC	5
2004 NH_FG 2 2014 ME_DMR 55 2004 NOAA_Observer 570 2014 NEFSC 11 2005 MA_DMF 2 2014 NOAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 NEFSC 21 2015 ME_DMR 80 2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NH_FG 2 2006 ME_DMR 68 2015 NOAA_Observer 482 2006 NEFSC 23 2016 ME_DMR 57 2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NOA	2004	ME_DMR	25	2013	NH_FG	1
2004 NOAA_Observer 570 2014 NEFSC 11 2005 MA_DMF 2 2014 NOAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 NEFSC 21 2015 ME_DMR 80 2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NOAA_Observer 482 2006 NEFSC 23 2016 ME_DMR 57 2006 NH_FG 5 2016 NEFSC 25 2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 NOAA_Observer 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 20	2004	NEFSC	20	2013	NOAA_Observer	221
2005 MA_DMF 2 2014 NOAA_Observer 518 2005 ME_DMR 23 2015 MA_DMF 1 2005 NEFSC 21 2015 ME_DMR 80 2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NOAA_Observer 482 2006 NEFSC 23 2016 ME_DMR 57 2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NEFSC 23 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 N	2004	NH_FG	2	2014	ME_DMR	55
2005 ME_DMR 23 2015 MA_DMF 1 2005 NEFSC 21 2015 ME_DMR 80 2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NOAA_Observer 482 2006 NEFSC 23 2016 ME_DMR 57 2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NEFSC 23 2017 NEFSC 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 N	2004	$NOAA_Observer$	570	2014	NEFSC	11
2005 NEFSC 21 2015 ME_DMR 80 2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NOAA_Observer 482 2006 NEFSC 23 2016 ME_DMR 57 2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NEFSC 23 2017 NEFSC 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NOAA_Observer 196 2009	2005	MA_DMF	2	2014	$NOAA_Observer$	518
2005 NH_FG 37 2015 NEFSC 26 2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NOAA_Observer 482 2006 NEFSC 23 2016 ME_DMR 57 2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NEFSC 23 2017 NEFSC 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 ME_DMR 44 2009	2005	ME_DMR	23	2015	MA_DMF	1
2005 NOAA_Observer 1658 2015 NH_FG 2 2006 ME_DMR 68 2015 NOAA_Observer 482 2006 NEFSC 23 2016 ME_DMR 57 2006 NH_FG 5 2016 NEFSC 25 2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NEFSC 23 2017 NEFSC 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 ME_DMR 84 2019 ME_DMR 44 2009 </td <td>2005</td> <td>NEFSC</td> <td>21</td> <td>2015</td> <td>ME_DMR</td> <td>80</td>	2005	NEFSC	21	2015	ME_DMR	80
2006 ME_DMR 68 2015 NOAA_Observer 482 2006 NEFSC 23 2016 ME_DMR 57 2006 NH_FG 5 2016 NEFSC 25 2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NEFSC 23 2017 NEFSC 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 ME_DMR 44 2009 ME_DMR 84 2019 ME_DMR 44 2009 NO	2005	NH_FG	37	2015	NEFSC	26
2006 NEFSC 23 2016 ME_DMR 57 2006 NH_FG 5 2016 NEFSC 25 2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NEFSC 9 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 ME_DMR 44 2009 ME_DMR 84 2019 ME_DMR 44 2009 NEFSC 47 2019 NEFSC 3 2009 NH_FG 3 2019 NOAA_Observer 190 2010 NESC	2005	$NOAA_Observer$	1658	2015		2
2006 NH_FG 5 2016 NEFSC 25 2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NEFSC 23 2017 NEFSC 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NEFSC 9 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 ME_DMR 44 2009 ME_DMR 84 2019 ME_DMR 44 2009 NOAA_Observer 615 2020 ME_DMR 48 2010	2006	ME_DMR	68	2015	$NOAA_Observer$	482
2006 NOAA_Observer 331 2016 NOAA_Observer 104 2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NEFSC 23 2017 NEFSC 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NEFSC 9 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 ME_DMR 44 2009 ME_DMR 84 2019 ME_DMR 44 2009 NH_FG 3 2019 NOAA_Observer 190 2009 NOAA_Observer 615 2020 ME_DMR 48 2010 NEFSC 19 2021 MA_DMF 1 2010 <td< td=""><td>2006</td><td>NEFSC</td><td>23</td><td>2016</td><td>ME_DMR</td><td>57</td></td<>	2006	NEFSC	23	2016	ME_DMR	57
2007 MA_DMF 5 2017 MA_DMF 2 2007 ME_DMR 86 2017 ME_DMR 118 2007 NEFSC 23 2017 NEFSC 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NEFSC 9 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 ME_DMR 44 2009 ME_DMR 84 2019 ME_DMR 44 2009 NEFSC 47 2019 NEFSC 3 2009 NOAA_Observer 615 2020 ME_DMR 48 2010 ME_DMR 70 2020 NOAA_Observer 143 2010 NH_FG 1 2021 ME_DMR 214 2010 NOAA_Observer </td <td>2006</td> <td>NH_FG</td> <td>5</td> <td>2016</td> <td>NEFSC</td> <td>25</td>	2006	NH_FG	5	2016	NEFSC	25
2007 ME_DMR 86 2017 ME_DMR 118 2007 NEFSC 23 2017 NEFSC 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NEFSC 9 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 MA_DMF 1 2009 ME_DMR 84 2019 ME_DMR 44 2009 NEFSC 47 2019 NEFSC 3 2009 NH_FG 3 2019 NOAA_Observer 190 2009 NOAA_Observer 615 2020 ME_DMR 48 2010 NEFSC 19 2021 MA_DMF 1 2010 NH_FG 1 2021 ME_DMR 214 2010 NOAA_Observer	2006	NOAA_Observer	331	2016	NOAA_Observer	104
2007 NEFSC 23 2017 NEFSC 12 2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NEFSC 9 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 MA_DMF 1 2009 ME_DMR 84 2019 ME_DMR 44 2009 NEFSC 47 2019 NEFSC 3 2009 NH_FG 3 2019 NOAA_Observer 190 2009 NOAA_Observer 615 2020 ME_DMR 48 2010 NEFSC 19 2021 MA_DMF 1 2010 NH_FG 1 2021 ME_DMR 214 2010 NOAA_Observer 746 2021 NEFSC 18 2011 MA_DMF	2007	MA_DMF	5	2017	MA_DMF	2
2007 NOAA_Observer 358 2017 NOAA_Observer 225 2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NEFSC 9 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 MA_DMF 1 2009 ME_DMR 84 2019 ME_DMR 44 2009 NEFSC 47 2019 NEFSC 3 2009 NH_FG 3 2019 NOAA_Observer 190 2009 NOAA_Observer 615 2020 ME_DMR 48 2010 ME_DMR 70 2020 NOAA_Observer 143 2010 NH_FG 1 2021 MA_DMF 1 2010 NOAA_Observer 746 2021 NEFSC 18 2011 MA_DMF 1 2021 NOAA_Observer 616	2007	ME_DMR	86	2017	ME_DMR	118
2008 ME_DMR 78 2018 MA_DMF 4 2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NEFSC 9 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 MA_DMF 1 2009 ME_DMR 84 2019 ME_DMR 44 2009 NEFSC 47 2019 NEFSC 3 2009 NH_FG 3 2019 NOAA_Observer 190 2009 NOAA_Observer 615 2020 ME_DMR 48 2010 ME_DMR 70 2020 NOAA_Observer 143 2010 NEFSC 19 2021 MA_DMF 1 2010 NH_FG 1 2021 ME_DMR 214 2010 NOAA_Observer 746 2021 NEFSC 18 2011 MA_DMF 1 2021 NOAA_Observer 616	2007	NEFSC	23	2017	NEFSC	12
2008 NEFSC 20 2018 ME_DMR 56 2008 NH_FG 3 2018 NEFSC 9 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 MA_DMF 1 2009 ME_DMR 84 2019 ME_DMR 44 2009 NEFSC 47 2019 NEFSC 3 2009 NH_FG 3 2019 NOAA_Observer 190 2009 NOAA_Observer 615 2020 ME_DMR 48 2010 ME_DMR 70 2020 NOAA_Observer 143 2010 NH_FG 1 2021 MA_DMF 1 2010 NOAA_Observer 746 2021 NEFSC 18 2011 MA_DMF 1 2021 NOAA_Observer 616	2007	$NOAA_Observer$	358	2017	$NOAA_Observer$	225
2008 NH_FG 3 2018 NEFSC 9 2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 MA_DMF 1 2009 ME_DMR 84 2019 ME_DMR 44 2009 NEFSC 47 2019 NEFSC 3 2009 NH_FG 3 2019 NOAA_Observer 190 2009 NOAA_Observer 615 2020 ME_DMR 48 2010 ME_DMR 70 2020 NOAA_Observer 143 2010 NEFSC 19 2021 MA_DMF 1 2010 NOAA_Observer 746 2021 ME_DMR 214 2010 NOAA_Observer 746 2021 NEFSC 18 2011 MA_DMF 1 2021 NOAA_Observer 616	2008	ME_DMR	78	2018	MA_DMF	4
2008 NOAA_Observer 470 2018 NOAA_Observer 196 2009 MA_DMF 1 2019 MA_DMF 1 2009 ME_DMR 84 2019 ME_DMR 44 2009 NEFSC 47 2019 NEFSC 3 2009 NH_FG 3 2019 NOAA_Observer 190 2009 NOAA_Observer 615 2020 ME_DMR 48 2010 ME_DMR 70 2020 NOAA_Observer 143 2010 NEFSC 19 2021 MA_DMF 1 2010 NH_FG 1 2021 ME_DMR 214 2010 NOAA_Observer 746 2021 NEFSC 18 2011 MA_DMF 1 2021 NOAA_Observer 616	2008	NEFSC	20	2018	ME_DMR	56
2009 MA_DMF 1 2019 MA_DMF 1 2009 ME_DMR 84 2019 ME_DMR 44 2009 NEFSC 47 2019 NEFSC 3 2009 NH_FG 3 2019 NOAA_Observer 190 2009 NOAA_Observer 615 2020 ME_DMR 48 2010 ME_DMR 70 2020 NOAA_Observer 143 2010 NEFSC 19 2021 MA_DMF 1 2010 NH_FG 1 2021 ME_DMR 214 2010 NOAA_Observer 746 2021 NEFSC 18 2011 MA_DMF 1 2021 NOAA_Observer 616	2008	NH_FG	3	2018	NEFSC	9
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	2011	ME_DMR	60	2022	NOAA_Observer	8

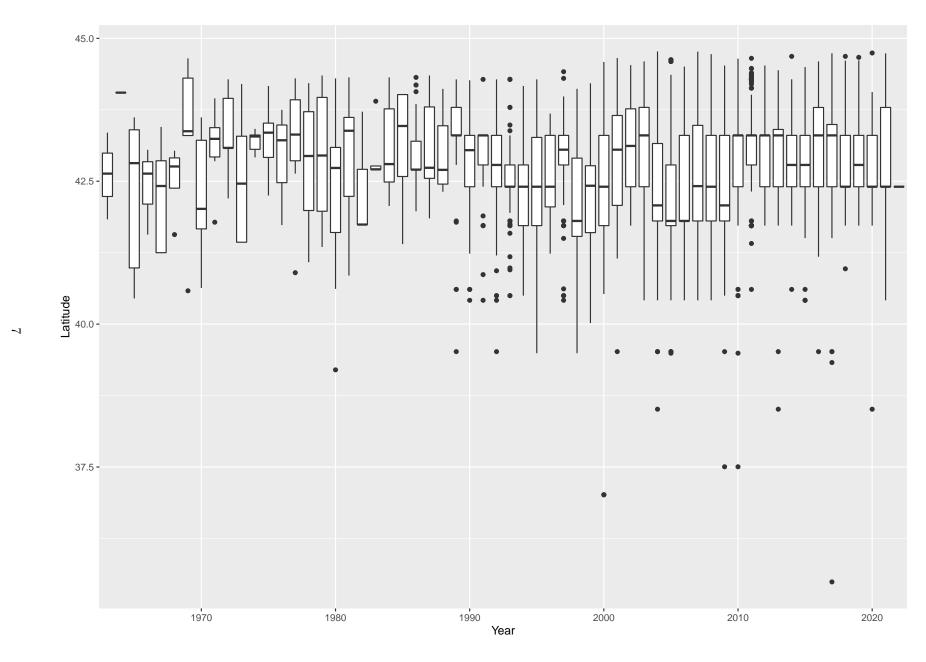


Figure 3: Range of latitudes Lumpfish were collected at per year

Source	Gear.Type	Negative.Catch.
MA_DMF	Trawl net is a ¾ size North Atlantic type two seam otter trawl (39' headrope/51' footrope) rigged with a 3.5" rubber disc sweep and a ¼" knotless codend liner (1/2" stretched mesh)	Yes
ME_DNR	Modified shrimp net with a 2-inch mesh in wings and 1-inch mesh liner in the cod end	No
NEFSC	Varies	Yes
NH_FG	Bag seine 30.5 m long and 1.8 m high with 6.4 mm mesh	No
NOAA_OBSERVER	NA	No

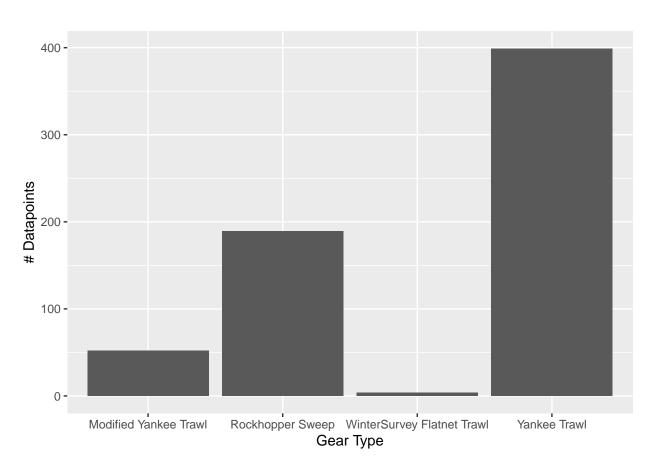


Figure 4: Gear Types used by NEFSC Dataset