

# Electronic Monitoring Groundfish

## Length – Weight Conversion Reference Guide



## ESTIMATED WEIGHT (LBS)

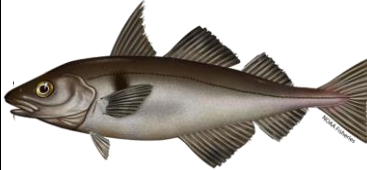
COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
Atlantic Cod	164712	6	0.00	0.00	0.00	0.00
		8	0.01	0.01	0.01	0.01
		10	0.02	0.02	0.02	0.02
		12	0.03	0.03	0.03	0.03
		14	0.05	0.05	0.05	0.05
		16	0.08	0.08	0.08	0.08
		18	0.12	0.12	0.12	0.12
		20	0.16	0.16	0.16	0.16
		22	0.21	0.22	0.22	0.22
		24	0.28	0.28	0.28	0.28
		26	0.36	0.36	0.36	0.36
		28	0.45	0.45	0.45	0.45
		30	0.55	0.56	0.56	0.56
		32	0.67	0.68	0.68	0.68
		34	0.81	0.82	0.82	0.82
		36	0.96	0.98	0.98	0.98
		38	1.14	1.15	1.15	1.15
		40	1.33	1.35	1.35	1.35
		42	1.54	1.57	1.57	1.57
		44	1.78	1.81	1.81	1.81
		46	2.04	2.07	2.07	2.07
		48	2.32	2.36	2.36	2.36
		50	2.63	2.67	2.67	2.67
		52	2.96	3.01	3.01	3.01
		54	3.32	3.38	3.38	3.38
		56	3.71	3.78	3.78	3.78
		58	4.13	4.21	4.21	4.21
		60	4.58	4.67	4.67	4.67
		62	5.06	5.16	5.16	5.16
		64	5.58	5.69	5.69	5.69
		66	6.13	6.25	6.25	6.25
		68	6.71	6.85	6.85	6.85
		70	7.33	7.49	7.49	7.49
72	7.99	8.16	8.16	8.16		
74	8.69	8.88	8.88	8.88		
76	9.42	9.63	9.63	9.63		
78	10.20	10.43	10.43	10.43		
80	11.02	11.27	11.27	11.27		
82	11.88	12.15	12.15	12.15		
84	12.79	13.08	13.08	13.08		
86	13.74	14.06	14.06	14.06		
88	14.74	15.08	15.08	15.08		
90	15.79	16.16	16.16	16.16		
92	16.89	17.28	17.28	17.28		
94	18.03	18.46	18.46	18.46		
96	19.23	19.69	19.69	19.69		
98	20.48	20.97	20.97	20.97		
100	21.78	22.31	22.31	22.31		
102	23.14	23.70	23.70	23.70		
104	24.55	25.15	25.15	25.15		
106	26.02	26.66	26.66	26.66		
108	27.55	28.23	28.23	28.23		
110	29.14	29.86	29.86	29.86		

minimum legal retention size:  
48.3 cm (19 in)

**LUMF**




## ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
Haddock	164744	6	0.00	0.00	0.00	0.00
		8	0.01	0.01	0.01	0.01
		10	0.02	0.02	0.02	0.02
		12	0.03	0.03	0.03	0.04
		14	0.06	0.06	0.06	0.06
		16	0.08	0.08	0.08	0.09
		18	0.12	0.12	0.12	0.12
		20	0.17	0.17	0.17	0.17
		22	0.22	0.22	0.22	0.23
		24	0.29	0.29	0.29	0.30
		26	0.37	0.37	0.37	0.38
		28	0.47	0.47	0.47	0.48
		30	0.58	0.58	0.58	0.60
		32	0.70	0.70	0.70	0.73
		34	0.85	0.85	0.85	0.88
		36	1.01	1.01	1.01	1.05
		38	1.19	1.19	1.19	1.24
		40	1.40	1.40	1.40	1.45
		42	1.62	1.62	1.62	1.69
		44	1.87	1.87	1.87	1.95
		46	2.15	2.15	2.15	2.24
		48	2.45	2.45	2.45	2.55
50	2.77	2.77	2.77	2.89		
52	3.13	3.13	3.13	3.27		
54	3.51	3.51	3.51	3.67		
56	3.93	3.93	3.93	4.11		
58	4.38	4.38	4.38	4.58		
60	4.86	4.86	4.86	5.08		
62	5.38	5.38	5.38	5.63		
64	5.93	5.93	5.93	6.21		
66	6.52	6.52	6.52	6.82		
68	7.14	7.14	7.14	7.48		
70	7.81	7.81	7.81	8.18		
72	8.52	8.52	8.52	8.93		
74	9.27	9.27	9.27	9.72		
76	10.06	10.06	10.06	10.55		
78	10.89	10.89	10.89	11.43		
80	11.78	11.78	11.78	12.36		
82	12.71	12.71	12.71	13.34		
84	13.68	13.68	13.68	14.37		
86	14.71	14.71	14.71	15.46		
88	15.79	15.79	15.79	16.59		


minimum legal retention size:  
40.6 cm (16 in)

**LUMIF**


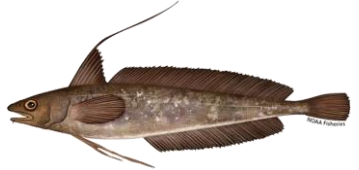
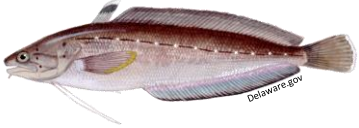
## ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
Pollock	164727	6	0.00	0.00	0.00	0.00
		8	0.01	0.01	0.01	0.01
		10	0.02	0.02	0.02	0.02
		12	0.03	0.03	0.03	0.04
		14	0.05	0.05	0.05	0.06
		16	0.08	0.08	0.08	0.09
		18	0.12	0.12	0.12	0.13
		20	0.16	0.16	0.16	0.18
		22	0.22	0.22	0.22	0.24
		24	0.29	0.29	0.29	0.32
		26	0.37	0.37	0.37	0.41
		28	0.46	0.46	0.46	0.51
		30	0.57	0.57	0.57	0.64
		32	0.70	0.70	0.70	0.78
		34	0.84	0.84	0.84	0.94
		36	1.01	1.01	1.01	1.13
		38	1.19	1.19	1.19	1.33
		40	1.40	1.40	1.40	1.56
<i>minimum legal retention size: 48.3 cm (19 in)</i>		42	1.63	1.63	1.63	1.82
		44	1.88	1.88	1.88	2.10
		46	2.16	2.16	2.16	2.42
		48	2.46	2.46	2.46	2.76
		50	2.79	2.79	2.79	3.13
		52	3.15	3.15	3.15	3.54
		54	3.55	3.55	3.55	3.98
		56	3.97	3.97	3.97	4.46
		58	4.43	4.43	4.43	4.97
		60	4.92	4.92	4.92	5.53
		62	5.44	5.44	5.44	6.12
		64	6.01	6.01	6.01	6.76
<b>LUMIF</b>		66	6.61	6.61	6.61	7.44
		68	7.25	7.25	7.25	8.16
		70	7.93	7.93	7.93	8.93
		72	8.65	8.65	8.65	9.75
		74	9.42	9.42	9.42	10.62
		76	10.24	10.24	10.24	11.54
		78	11.09	11.09	11.09	12.51
		80	12.00	12.00	12.00	13.54
		82	12.96	12.96	12.96	14.62
		84	13.96	13.96	13.96	15.76
		86	15.02	15.02	15.02	16.96
		88	16.13	16.13	16.13	18.22
		90	17.29	17.29	17.29	19.54
		92	18.51	18.51	18.51	20.93
		94	19.79	19.79	19.79	22.38
		96	21.13	21.13	21.13	23.89


## ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
White Hake	164732	6	0.00	0.00	0.00	0.00
		8	0.00	0.00	0.00	0.01
		10	0.01	0.01	0.01	0.01
		12	0.02	0.02	0.02	0.02
		14	0.03	0.03	0.03	0.04
		16	0.05	0.05	0.05	0.06
		18	0.07	0.07	0.07	0.09
		20	0.10	0.10	0.10	0.12
*no minimum size		22	0.14	0.14	0.14	0.16
		24	0.19	0.18	0.18	0.22
		26	0.24	0.24	0.24	0.28
		28	0.31	0.30	0.30	0.35
		30	0.39	0.38	0.38	0.44
		32	0.49	0.47	0.47	0.54
		34	0.60	0.57	0.57	0.65
		36	0.73	0.69	0.69	0.78
		38	0.88	0.83	0.83	0.93
		40	1.04	0.98	0.98	1.09
		42	1.23	1.15	1.15	1.28
		44	1.43	1.34	1.34	1.48
		46	1.67	1.55	1.55	1.70
		48	1.92	1.78	1.78	1.95
		50	2.20	2.04	2.04	2.22
		52	2.52	2.32	2.32	2.51
		54	2.86	2.63	2.63	2.83
		56	3.23	2.96	2.96	3.18
		58	3.63	3.32	3.32	3.55
		60	4.07	3.71	3.71	3.96
		62	4.55	4.14	4.14	4.39
		64	5.06	4.59	4.59	4.86
		66	5.61	5.08	5.08	5.36
		68	6.21	5.61	5.61	5.89
		70	6.84	6.17	6.17	6.45
		72	7.53	6.77	6.77	7.06
		74	8.25	7.41	7.41	7.70
		76	9.03	8.08	8.08	8.38
		78	9.85	8.81	8.81	9.10
		80	10.73	9.57	9.57	9.86
		82	11.66	10.38	10.38	10.66
		84	12.65	11.24	11.24	11.51
		86	13.69	12.14	12.14	12.40
		88	14.79	13.10	13.10	13.34
		90	15.95	14.10	14.10	14.32
		92	17.18	15.16	15.16	15.35
		94	18.47	16.27	16.27	16.44
		96	19.82	17.44	17.44	17.57
		98	21.25	18.66	18.66	18.76
		100	22.74	19.94	19.94	20.00

## ESTIMATED WEIGHT (LBS)


COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER	
Hake, Mix	164729	6	0.00	0.00	0.00	0.00	
		8	0.00	0.00	0.00	0.01	
		10	0.01	0.01	0.01	0.01	
		12	0.02	0.02	0.02	0.02	
		14	0.03	0.03	0.03	0.04	
		16	0.05	0.05	0.05	0.06	
		18	0.07	0.07	0.07	0.09	
		20	0.10	0.10	0.10	0.12	
		22	0.14	0.14	0.14	0.16	
		24	0.19	0.18	0.18	0.22	
		26	0.24	0.24	0.24	0.28	
		28	0.31	0.30	0.30	0.35	
		30	0.39	0.38	0.38	0.44	
		32	0.49	0.47	0.47	0.54	
		34	0.60	0.57	0.57	0.65	
		36	0.73	0.69	0.69	0.78	
		38	0.88	0.83	0.83	0.93	
		40	1.04	0.98	0.98	1.09	
		42	1.23	1.15	1.15	1.28	
		44	1.43	1.34	1.34	1.48	
		<i>*filamented Hake only (do not include Silver or Offshore Hake)</i>	46	1.67	1.55	1.55	1.70
		48	1.92	1.78	1.78	1.95	
		50	2.20	2.04	2.04	2.22	
		52	2.52	2.32	2.32	2.51	
		54	2.86	2.63	2.63	2.83	
		56	3.23	2.96	2.96	3.18	
		58	3.63	3.32	3.32	3.55	
		60	4.07	3.71	3.71	3.96	
		62	4.55	4.14	4.14	4.39	
		64	5.06	4.59	4.59	4.86	
		66	5.61	5.08	5.08	5.36	
		68	6.21	5.61	5.61	5.89	
		70	6.84	6.17	6.17	6.45	
72	7.53	6.77	6.77	7.06			
74	8.25	7.41	7.41	7.70			
76	9.03	8.08	8.08	8.38			
78	9.85	8.81	8.81	9.10			
80	10.73	9.57	9.57	9.86			
82	11.66	10.38	10.38	10.66			
84	12.65	11.24	11.24	11.51			
86	13.69	12.14	12.14	12.40			
88	14.79	13.10	13.10	13.34			
90	15.95	14.10	14.10	14.32			
92	17.18	15.16	15.16	15.35			
94	18.47	16.27	16.27	16.44			
96	19.82	17.44	17.44	17.57			
98	21.25	18.66	18.66	18.76			
100	22.74	19.94	19.94	20.00			

## ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
Scorpionfish, NK	166704	6	0.01	0.01	0.01	0.01
		8	0.01	0.01	0.01	0.01
		10	0.03	0.03	0.03	0.03
		12	0.05	0.05	0.05	0.05
*		14	0.09	0.09	0.09	0.09
		16	0.13	0.13	0.13	0.13
		18	0.19	0.19	0.19	0.19
		20	0.27	0.27	0.27	0.27
<i>*minimum legal retention size: 17.8 cm (7 in) for Acadian Redfish because dealers and vessels report as A.R., not Scorpionfish, NK.</i>		22	0.37	0.37	0.37	0.37
		24	0.48	0.48	0.48	0.48
		26	0.62	0.62	0.62	0.62
		28	0.79	0.79	0.79	0.79
		30	0.99	0.99	0.99	0.99
		32	1.21	1.21	1.21	1.21
		34	1.47	1.47	1.47	1.47
		36	1.77	1.77	1.77	1.77
		38	2.10	2.10	2.10	2.10
		40	2.48	2.48	2.48	2.48
		42	2.90	2.90	2.90	2.90
		44	3.36	3.36	3.36	3.36
		46	3.88	3.88	3.88	3.88
		48	4.45	4.45	4.45	4.45
		50	5.07	5.07	5.07	5.07
		52	5.74	5.74	5.74	5.74
		54	6.48	6.48	6.48	6.48
		56	7.28	7.28	7.28	7.28
		58	8.15	8.15	8.15	8.15
		60	9.09	9.09	9.09	9.09
		62	10.09	10.09	10.09	10.09
		64	11.17	11.17	11.17	11.17
		66	12.33	12.33	12.33	12.33
		68	13.57	13.57	13.57	13.57
		70	14.89	14.89	14.89	14.89
		72	16.29	16.29	16.29	16.29
		74	17.79	17.79	17.79	17.79
		76	19.38	19.38	19.38	19.38
		78	21.06	21.06	21.06	21.06
		80	22.84	22.84	22.84	22.84


LUMF

## ESTIMATED WEIGHT (LBS)


COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
Atlantic Wolffish	171341	6	0.00	0.00	0.00	0.00
		8	0.01	0.01	0.01	0.01
		10	0.02	0.02	0.02	0.02
		12	0.03	0.03	0.03	0.03
		14	0.04	0.04	0.04	0.04
		16	0.07	0.07	0.07	0.07
		18	0.10	0.10	0.10	0.10
		20	0.13	0.13	0.13	0.13
<i>*Atlantic Wolffish are exempted from length measurements and can be discarded without being placed on the measuring strip</i>		22	0.18	0.18	0.18	0.18
		24	0.24	0.24	0.24	0.24
		26	0.31	0.31	0.31	0.31
		28	0.39	0.39	0.39	0.39
		30	0.48	0.48	0.48	0.48
		32	0.59	0.59	0.59	0.59
		34	0.71	0.71	0.71	0.71
		36	0.85	0.85	0.85	0.85
		38	1.01	1.01	1.01	1.01
		40	1.18	1.18	1.18	1.18
		42	1.38	1.38	1.38	1.38
		44	1.60	1.60	1.60	1.60
		46	1.84	1.84	1.84	1.84
		48	2.10	2.10	2.10	2.10
		50	2.39	2.39	2.39	2.39
		52	2.70	2.70	2.70	2.70
		54	3.04	3.04	3.04	3.04
		56	3.41	3.41	3.41	3.41
		58	3.81	3.81	3.81	3.81
		60	4.24	4.24	4.24	4.24
		62	4.70	4.70	4.70	4.70
		64	5.19	5.19	5.19	5.19
		66	5.72	5.72	5.72	5.72
		68	6.28	6.28	6.28	6.28
		70	6.88	6.88	6.88	6.88
		72	7.52	7.52	7.52	7.52
		74	8.19	8.19	8.19	8.19
		76	8.91	8.91	8.91	8.91
		78	9.67	9.67	9.67	9.67
		80	10.47	10.47	10.47	10.47
		82	11.32	11.32	11.32	11.32
		84	12.21	12.21	12.21	12.21
		86	13.14	13.14	13.14	13.14
		88	14.13	14.13	14.13	14.13
		90	15.16	15.16	15.16	15.16
		92	16.25	16.25	16.25	16.25
		94	17.39	17.39	17.39	17.39
		96	18.57	18.57	18.57	18.57
		98	19.82	19.82	19.82	19.82
		100	21.12	21.12	21.12	21.12
		102	22.48	22.48	22.48	22.48
		104	23.89	23.89	23.89	23.89
		106	25.36	25.36	25.36	25.36
		108	26.90	26.90	26.90	26.90
		110	28.50	28.50	28.50	28.50
		112	30.16	30.16	30.16	30.16
		114	31.88	31.88	31.88	31.88
		116	33.68	33.68	33.68	33.68
		118	35.53	35.53	35.53	35.53
		120	37.46	37.46	37.46	37.46
		122	39.46	39.46	39.46	39.46
		124	41.53	41.53	41.53	41.53
		126	43.67	43.67	43.67	43.67



## ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
Ocean Pout	630979	6	0.00	0.00	0.00	0.00
		8	0.00	0.00	0.00	0.00
		10	0.01	0.01	0.01	0.01
		12	0.01	0.01	0.01	0.01
		14	0.02	0.02	0.02	0.02
		16	0.03	0.03	0.03	0.03
		18	0.04	0.04	0.04	0.04
		20	0.06	0.06	0.06	0.06
<i>*Ocean Pout is a non-Allocated groundfish species</i>		22	0.08	0.08	0.08	0.08
		24	0.11	0.11	0.11	0.11
		26	0.14	0.14	0.14	0.14
		28	0.18	0.18	0.18	0.18
		30	0.22	0.23	0.23	0.22
		32	0.28	0.28	0.28	0.28
		34	0.34	0.35	0.35	0.34
		36	0.41	0.42	0.42	0.41
		38	0.48	0.51	0.51	0.48
		40	0.57	0.60	0.60	0.57
		42	0.67	0.71	0.71	0.67
		44	0.79	0.83	0.83	0.79
		46	0.91	0.96	0.96	0.91
		48	1.05	1.11	1.11	1.05
		50	1.20	1.27	1.27	1.20
		52	1.36	1.45	1.45	1.36
		54	1.55	1.64	1.64	1.55
		56	1.74	1.85	1.85	1.74
		58	1.96	2.08	2.08	1.96
		60	2.19	2.33	2.33	2.19
		62	2.44	2.60	2.60	2.44
		64	2.71	2.89	2.89	2.71
		66	3.00	3.21	3.21	3.00
		68	3.31	3.55	3.55	3.31
		70	3.64	3.91	3.91	3.64
		72	3.99	4.29	4.29	3.99
		74	4.37	4.71	4.71	4.37
		76	4.77	5.14	5.14	4.77
		78	5.20	5.61	5.61	5.20
		80	5.65	6.11	6.11	5.65
		82	6.13	6.63	6.63	6.13
		84	6.64	7.19	7.19	6.64
		86	7.18	7.78	7.78	7.18
		88	7.74	8.40	8.40	7.74
		90	8.34	9.06	9.06	8.34
		92	8.97	9.75	9.75	8.97
		94	9.62	10.48	10.48	9.62
		96	10.32	11.24	11.24	10.32
		98	11.04	12.04	12.04	11.04
		100	11.80	12.89	12.89	11.80
		102	12.60	13.77	13.77	12.60

ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER		
	172933	10	0.02	0.01	0.01	0.02		
		12	0.03	0.03	0.03	0.03	0.03	
		14	0.05	0.04	0.04	0.04	0.05	
		16	0.08	0.06	0.06	0.06	0.08	
		18	0.11	0.10	0.10	0.10	0.11	
		20	0.16	0.13	0.13	0.13	0.16	
		22	0.22	0.18	0.18	0.18	0.22	
		24	0.29	0.24	0.24	0.24	0.29	
		26	0.37	0.32	0.32	0.32	0.37	
		28	0.47	0.40	0.40	0.40	0.47	
		30	0.58	0.51	0.51	0.51	0.58	
		32	0.72	0.62	0.62	0.62	0.72	
		34	0.87	0.76	0.76	0.76	0.87	
		36	1.04	0.92	0.92	0.92	1.04	
		38	1.24	1.09	1.09	1.09	1.24	
		40	1.46	1.29	1.29	1.29	1.46	
		42	1.71	1.52	1.52	1.52	1.71	
		44	1.98	1.77	1.77	1.77	1.98	
		46	2.28	2.04	2.04	2.04	2.28	
		48	2.61	2.35	2.35	2.35	2.61	
		50	2.97	2.68	2.68	2.68	2.97	
		52	3.37	3.05	3.05	3.05	3.37	
		54	3.80	3.45	3.45	3.45	3.80	
		56	4.27	3.88	3.88	3.88	4.27	
		58	4.78	4.35	4.35	4.35	4.78	
		60	5.32	4.86	4.86	4.86	5.32	
		62	5.91	5.41	5.41	5.41	5.91	
		64	6.54	6.01	6.01	6.01	6.54	
		66	7.21	6.64	6.64	6.64	7.21	
		68	7.93	7.32	7.32	7.32	7.93	
		70	8.70	8.05	8.05	8.05	8.70	
		72	9.52	8.83	8.83	8.83	9.52	
		74	10.39	9.65	9.65	9.65	10.39	
		76	11.31	10.53	10.53	10.53	11.31	
		78	12.29	11.46	11.46	11.46	12.29	
		80	13.33	12.45	12.45	12.45	13.33	
		82	14.42	13.50	13.50	13.50	14.42	
		84	15.57	14.60	14.60	14.60	15.57	
		86	16.78	15.77	15.77	15.77	16.78	
		88	18.06	17.00	17.00	17.00	18.06	
		90	19.40	18.30	18.30	18.30	19.40	
		92	20.81	19.66	19.66	19.66	20.81	
		94	22.29	21.09	21.09	21.09	22.29	
		96	23.84	22.59	22.59	22.59	23.84	
		98	25.46	24.17	24.17	24.17	25.46	
		100	27.16	25.82	25.82	25.82	27.16	
		minimum legal retention size: 104 cm (41 in)		102	28.93	27.54	27.54	28.93
				104	30.78	29.35	29.35	30.78
	106		32.70	31.23	31.23	32.70		
	108		34.71	33.20	33.20	34.71		
	110		36.81	35.25	35.25	36.81		
	112		38.98	37.39	37.39	38.98		
	114		41.25	39.61	39.61	41.25		
	116		43.60	41.93	41.93	43.60		
	118		46.05	44.34	44.34	46.05		
	120		48.58	46.84	46.84	48.58		
	122		51.21	49.44	49.44	51.21		
	124		53.94	52.14	52.14	53.94		
	126		56.77	54.93	54.93	56.77		
	128		59.69	57.83	57.83	59.69		
	130		62.72	60.84	60.84	62.72		
	132		65.85	63.95	63.95	65.85		
	134		69.08	67.17	67.17	69.08		
	136		72.43	70.50	70.50	72.43		
	138	75.88	73.95	73.95	75.88			
	140	79.45	77.51	77.51	79.45			
	142	83.12	81.18	81.18	83.12			
	144	86.92	84.98	84.98	86.92			
	146	90.83	88.90	88.90	90.83			
	148	94.86	92.94	92.94	94.86			

**LUMF**

ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
American Plaice	172877	6	0.00	0.00	0.00	0.00
Flounder		8	0.01	0.01	0.01	0.01
		10	0.01	0.01	0.01	0.01
		12	0.02	0.02	0.02	0.02
		14	0.04	0.04	0.04	0.04
		16	0.06	0.06	0.06	0.06
		18	0.09	0.09	0.09	0.09
		20	0.13	0.12	0.12	0.13
		22	0.18	0.17	0.17	0.18
		24	0.23	0.22	0.22	0.23
		26	0.31	0.29	0.29	0.31
<i>minimum legal retention size:</i>		28	0.39	0.37	0.37	0.39
<i>30.5 cm (12 in)</i>		30	0.49	0.47	0.47	0.49
		32	0.61	0.58	0.58	0.61
		34	0.74	0.71	0.71	0.74
		36	0.90	0.86	0.86	0.90
		38	1.07	1.03	1.03	1.07
		40	1.27	1.22	1.22	1.27
		42	1.49	1.43	1.43	1.49
		44	1.74	1.67	1.67	1.74
		46	2.01	1.94	1.94	2.01
		48	2.32	2.23	2.23	2.32
		50	2.65	2.55	2.55	2.65
		52	3.02	2.91	2.91	3.02
		54	3.42	3.29	3.29	3.42
		56	3.86	3.72	3.72	3.86
		58	4.33	4.17	4.17	4.33
		60	4.85	4.67	4.67	4.85



LUMF


ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
Yellowtail	172909	6	0.00	0.00	0.00	0.00
Flounder		8	0.01	0.01	0.01	0.01
		10	0.02	0.02	0.02	0.02
		12	0.03	0.03	0.03	0.03
		14	0.05	0.05	0.05	0.05
		16	0.07	0.07	0.07	0.08
		18	0.10	0.10	0.10	0.11
		20	0.15	0.14	0.14	0.15
		22	0.20	0.19	0.19	0.20
		24	0.26	0.26	0.26	0.26
		26	0.34	0.33	0.33	0.34
<i>minimum legal retention size:</i>		28	0.44	0.42	0.42	0.42
<i>30.5 cm (12 in)</i>		30	0.54	0.52	0.52	0.52
		32	0.67	0.64	0.64	0.63
		34	0.82	0.78	0.78	0.76
		36	0.98	0.94	0.94	0.91
		38	1.17	1.11	1.11	1.07
		40	1.38	1.31	1.31	1.25
		42	1.62	1.54	1.54	1.45
		44	1.88	1.78	1.78	1.68
		46	2.18	2.06	2.06	1.92
		48	2.50	2.36	2.36	2.19
		50	2.85	2.69	2.69	2.48
		52	3.24	3.05	3.05	2.79
		54	3.66	3.44	3.44	3.13
		56	4.12	3.87	3.87	3.50
		58	4.61	4.33	4.33	3.90
		60	5.15	4.83	4.83	4.32




LUMF

ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
 <p>Winter Flounder</p> <p>172905</p> <p><i>minimum legal retention size: 30.5 cm (12 in)</i></p> <p><b>LUMIF</b></p>		6	0.00	0.01	0.01	0.01
		8	0.01	0.01	0.01	0.01
		10	0.02	0.03	0.03	0.03
		12	0.04	0.04	0.04	0.04
		14	0.07	0.07	0.07	0.07
		16	0.11	0.11	0.11	0.11
		18	0.15	0.15	0.15	0.16
		20	0.21	0.21	0.21	0.22
		22	0.28	0.28	0.28	0.29
		24	0.37	0.36	0.36	0.38
		26	0.48	0.46	0.46	0.49
		28	0.60	0.58	0.58	0.62
		30	0.75	0.72	0.72	0.76
		32	0.91	0.87	0.87	0.93
		34	1.10	1.05	1.05	1.13
		36	1.32	1.25	1.25	1.35
		38	1.56	1.47	1.47	1.59
		40	1.83	1.72	1.72	1.87
		42	2.14	2.00	2.00	2.17
		44	2.47	2.30	2.30	2.51
		46	2.84	2.64	2.64	2.88
		48	3.24	3.00	3.00	3.29
		50	3.68	3.40	3.40	3.74
		52	4.16	3.83	3.83	4.22
		54	4.68	4.30	4.30	4.75
		56	5.24	4.80	4.80	5.31
		58	5.84	5.34	5.34	5.93
		60	6.50	5.92	5.92	6.58

ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
 <p>Witch Flounder</p> <p>172873</p> <p><i>minimum legal retention size: 33 cm (13 in)</i></p> <p><b>LUMIF</b></p>		6	0.00	0.00	0.00	0.00
		8	0.00	0.00	0.00	0.01
		10	0.01	0.01	0.01	0.01
		12	0.02	0.02	0.02	0.02
		14	0.03	0.03	0.03	0.03
		16	0.04	0.04	0.04	0.05
		18	0.06	0.06	0.06	0.07
		20	0.09	0.09	0.09	0.09
		22	0.12	0.12	0.12	0.13
		24	0.16	0.16	0.16	0.17
		26	0.21	0.21	0.21	0.22
		28	0.26	0.26	0.26	0.28
		30	0.33	0.33	0.33	0.35
		32	0.41	0.41	0.41	0.43
		34	0.50	0.50	0.50	0.52
		36	0.61	0.61	0.61	0.62
		38	0.73	0.73	0.73	0.74
		40	0.87	0.87	0.87	0.87
		42	1.02	1.02	1.02	1.02
		44	1.19	1.19	1.19	1.18
		46	1.38	1.38	1.38	1.36
		48	1.59	1.59	1.59	1.56
		50	1.82	1.82	1.82	1.78
		52	2.07	2.07	2.07	2.01
		54	2.35	2.35	2.35	2.27
		56	2.65	2.65	2.65	2.55
		58	2.98	2.98	2.98	2.86
		60	3.34	3.34	3.34	3.18

## ESTIMATED WEIGHT (LBS)

COMMON NAME	ITIS CODE	LENGTH (CM)	JANUARY - MARCH	APRIL - JUNE	JULY - SEPTEMBER	OCTOBER - DECEMBER
Windowpane Flounder	172746	6	0.01	0.01	0.01	0.01
		8	0.01	0.01	0.01	0.01
		10	0.02	0.03	0.03	0.03
		12	0.04	0.04	0.04	0.05
		14	0.07	0.07	0.07	0.07
		16	0.10	0.11	0.11	0.10
		18	0.14	0.15	0.15	0.15
		20	0.20	0.21	0.21	0.20
		22	0.27	0.27	0.27	0.26
		24	0.35	0.36	0.36	0.34
		26	0.44	0.45	0.45	0.42
		28	0.55	0.56	0.56	0.52
		30	0.68	0.69	0.69	0.64
		32	0.83	0.84	0.84	0.77
		34	1.00	1.01	1.01	0.91
		36	1.19	1.20	1.20	1.08
		38	1.40	1.41	1.41	1.26
		40	1.64	1.65	1.65	1.46
		42	1.90	1.90	1.90	1.68
		44	2.19	2.19	2.19	1.92
		46	2.51	2.50	2.50	2.18
		48	2.85	2.84	2.84	2.46
		50	3.23	3.21	3.21	2.76
		52	3.64	3.61	3.61	3.09
		54	4.08	4.05	4.05	3.45
		56	4.56	4.51	4.51	3.83
		58	5.07	5.01	5.01	4.23

*\*Windowpane Flounder is a non-Allocated groundfish species*





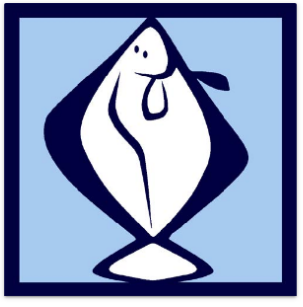
# Electronic Monitoring Groundfish Length – Weight Conversion

- Data provided by the NOAA Fisheries Data and Information Systems (DIS) team in the Northeast.
- This reference document presents select Length – Weight Conversions deemed most relevant for a Northeast EM Groundfish reviewer (i.e. lengths below or near the minimum sizes for commercial groundfish species and LUMF: Legal-Sized Unmarketable Fish).
- To download the complete .csv data file, navigate to:
  - The Northeast Electronic Monitoring Information System (NEMIS) website,
    - Scroll to the bottom of the page and click the Length – Weight Conversion Reference link:
    - <https://apps-nefsc.fisheries.noaa.gov/NEMIS/index.php/docs/lwconversion>
    - Scroll to the bottom of the page and click the link “Download Length-to-Weight Conversion by Species and Month Reference file”

NEFSC FMRD Data and Information Systems Branch

**NEMIS API F.A.Q.:**  
All interactions with the NEMIS API require a valid API key. Software developers will find the complete OpenAPI v3 specification here useful along with code reference tables and data constraint listings in the documentation.

**Quick references:**  
[API Endpoint](#)  
[API Keys](#)  
[Agency review](#)  
[HTTPS required](#)  
[Match review to trip](#)  
[HTTPS required](#)  
[Data validation](#)  
[Testing](#)  
[Dates and timestamps](#)  
[Event durations](#)  
[Resubmitting](#)  
[Video failure](#)



**NEMIS**

API Specification  
NEMIS OpenAPI Spec Release 2.11 | Change log

- Image Credit:**
- Fish Watch.gov (Atlantic Cod, Atlantic Halibut, Haddock, Pollock, Red Hake, Scorpionfish NK, Yellowtail Flounder)
  - NOAA Fisheries (American Plaice Flounder, Atlantic Wolffish, Ocean Pout, White Hake, Windowpane Flounder, Winter Flounder, Witch Flounder)
  - Delaware.gov DNREC, Duane Raver, Jr. (Spotted Hake)

**API Instructions and F.A.Q.**  
Frequently asked questions (F.A.Q.) and detailed instructions for data formatting and clarification for submitting video review data to the NEMIS API.

**API Reference Tables**  
Tables of allowed values (codes) for each field in the NEMIS API.

**API Constraints**  
List of all data constraints and validation rules, and the expected error message returned when a submission violates a rule.

**Haul Element Guidance**  
Guidance for marking the haul elements in the NEFSC EM API based on the fishing gear used.

**Reviewer Guidance Document**  
Video Review Protocols for Multispecies Sector and IFM Herring Trips. Links to the Current RGD and previous revisions.

**Length-Weight Conversion Reference**  
Length-Weight Conversion Reference Documents for Video Review Software.

INSTRUCTIONS REFERENCE CONSTRAINTS HAULS RGD L-W CONVERSIONS



## Length-Weight Conversion Reference Documents for Video Review Software

NOAA Northeast Fisheries Science Center and Fisheries Greater Atlantic Regional Fisheries Office

### NOAA Technical Memorandum NMFS-NE-171

Reference publication of spatially and temporally synoptic length-weight observations collected along the Northeast coast of the United States during the Northeast Fisheries Science Center’s (NEFSC’s) research vessel winter, spring, and autumn bottom trawl surveys from 1992 to 1999. Length-weight parameters were calculated for 74 fish species. Results from this study are the basis of length-weight conversion factors for Electronic Monitoring discard estimates. Video review software platforms shall utilize this reference when developing applications to populate weight estimates.

[Wigley, et al. \(2003\) Length-weight relationships for 74 fish species collected during NEFSC research vessel bottom trawl surveys, 1992-99](#)

### Assignment of Season by Month for the Length-to-Weight Conversion

Reference that adjusts for seasonality in weight conversion factors according to the Wigley et. al. paper. Video review software platforms shall use this reference for assignment of season by month for discard estimates.

[Assignment of Season by Month for Length.pdf](#)

**Length-to-Weight Conversion by Species and Month**

Reference file (.csv) provides length (cm) to weight (lb). Conversion factors by species and month according to NOAA Technical Memorandum NMFS-NE-171. [Download Length-to-Weight Conversion by Species and Month Reference file](#)



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