

Gulf of Maine Cod and Haddock

Table 1. Gulf of Maine Recreational Catch Estimates (old MRIP)¹

	FY 2018	FY 2018	FY 2019
	May 1 - Apr. 30 (All waves)	May 1 - Aug. 30 (Wave's 3, 4)	May 1 - Aug. 30 (Wave's 3, 4)
Cod/haddock Angler Trips ²	121,447	107,268	79,839 (-26%)
Cod Catch (numbers, a+b1+b2)	467,435	455,854	193,343 (-58%)
Cod Kept/Released Dead (numbers, a+b1)	2,085	2,046	6,777 (+70%)
Cod Released Alive (numbers, b2)	465,350	453,807	186,566 (-59%)
Cod Removals (numbers, a+b1+(0.15*b2))	71,888	70,117	34,762 (-50%)
Cod Removals (weight³, mt)	147	144	48 (-67%)
Cod Avg. Catch Per Trip (numbers)	3.8	4.2	2.4 (-43%)
Haddock Catch (numbers, a+b1+b2)	1,053,632	967,023	545,236 (-44%)
Haddock Kept (numbers, a+b1)	472,179	438,133	270,660 (-38%)
Haddock Released (numbers, b2)	581,453	528,890	274,576 (-48%)
Haddock Removals (numbers, a+b1+(b2*season/size release mortality))	754,765	699,405	429,310 (-39%)
Haddock Removals (weight³, mt)	595	572	332 (-42%)
Haddock Avg. Catch Per Trip (numbers)	8.7	9.0	6.8 (-24%)

¹Source: Available MRIP data (old currency) as of Nov. 5, 2019

²Number of angler trips that targeted and/or caught cod or haddock

³All weights are based on round weights calculated from MRIP length frequencies and length to weight equations used in the assessments.

Table 2. Gulf of Maine Recreational Catch Estimates (new MRIP)¹

	FY 2018	FY 2018	FY 2019
	May 1 - Apr. 30 (All waves)	May 1 - Aug. 30 (Wave's 3, 4)	May 1 - Aug. 30 (Wave's 3, 4)
Cod/haddock Angler Trips ²	289,013	203,435	149,798 (-26%)
Cod Catch (numbers, a+b1+b2)	1,175,233	1,148,919	381,458 (-67%)
Cod Kept/Released Dead (numbers, a+b1)	5,368	5,329	10,541 (+49%)
Cod Released Alive (numbers, b2)	1,169,865	1,143,590	370,917 (-68%)
Cod Removals (numbers, a+b1+(0.15*b2))	180,848	176,868	66,179 (-50%)
Cod Removals (weight³, mt)	382	374	87 (-77%)
Cod Avg. Catch Per Trip (numbers)	4.1	5.6	2.5 (-43%)
Haddock Catch (numbers, a+b1+b2)	2,255,068	1,806,365	1,010,958 (-44%)
Haddock Kept (numbers, a+b1)	1,153,311	807,082	483,499 (-40%)
Haddock Released (numbers, b2)	1,101,757	999,282	527,459 (-47%)
Haddock Removals (numbers, a+b1+(b2*season/size release mortality))	1,724,792	1,306,723	747,229 (-43%)
Haddock Removals (weight³, mt)	1,485	1,119	612 (-45%)
Haddock Avg. Catch Per Trip (numbers)	7.8	8.9	6.7 (-25%)

¹Source: Available MRIP data (new currency) as of Nov. 5, 2019

²Number of angler trips that targeted and/or caught cod or haddock

³All weights are based on round weights calculated from MRIP length frequencies and length to weight equations used in the assessments.

Total Recreational Catch of Gulf of Maine Cod

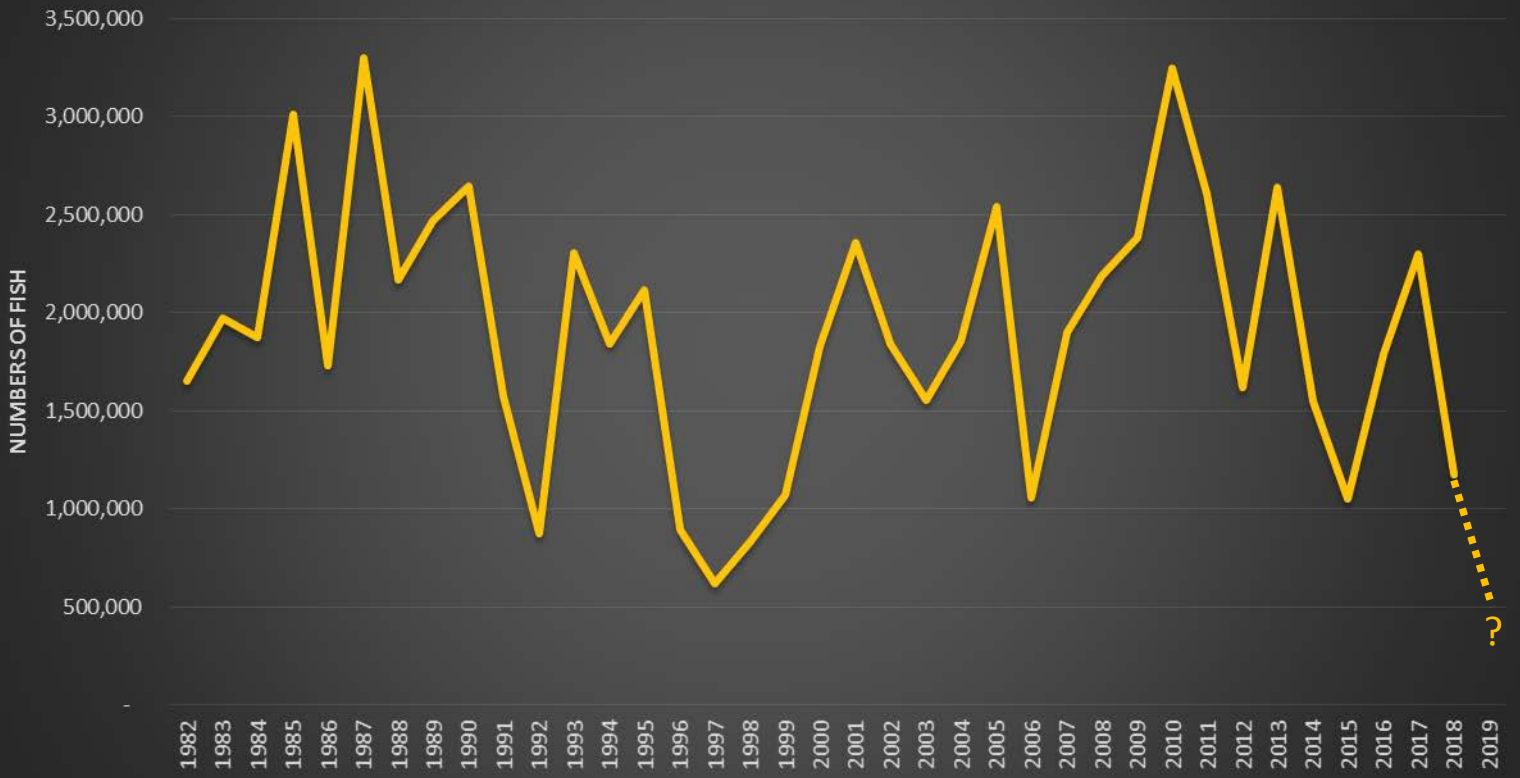


Table 3. Gulf of Maine Cod/Haddock Angler Trips by Mode (old MRIP)¹

	FY 2018	FY 2018	FY 2019
	May 1 - April 30	May 1 - Aug. 30	May 1 - Aug. 30
	(All waves)	(Waves's 3, 4)	(Waves's 3, 4)
Head	37,475	34,518	23,768 (-31%)
Charter	13,896	11,785	11,514 (-02%)
Private	69,462	60,351	44,557 (-26%)
Shore	614	614	- (-100%)
	121,447	107,268	79,839 (-26%)

¹Number of angler trips that targeted and/or caught cod or haddock

Table 4. Gulf of Maine Cod/Haddock Angler Trips by Mode (new MRIP)¹

	FY 2018	FY 2018	FY 2019
	May 1 - April 30	May 1 - Aug. 30	May 1 - Aug. 30
	(All waves)	(Waves's 3, 4)	(Waves's 3, 4)
Head	37,475	34,518	23,768 (-31%)
Charter	13,896	11,785	11,514 (-02%)
Private	234,474	153,962	114,517 (-26%)
Shore	3,169	3,169	- (-100%)
	289,014	203,434	149,799 (-26%)

¹Number of angler trips that targeted and/or caught cod or haddock

Table 5. Gulf of Maine Cod Recreational Catch Estimates by Mode (old MRIP)

Mode	FY 2018	FY 2018	FY 2019
	May 1 - Apr. 30 (All waves)	May 1 - Aug. 30 (Wave's 3, 4)	May 1 - Aug. 30 (Wave's 3, 4)
Head			
Cod Catch (numbers, a+b1+b2)	60,665	56,926	50,039 (-12%)
Cod Kept/Released Dead (numbers, a+b1)	530	491	1,001 (+104)
Cod Released Alive (numbers, b2)	60,135	56,435	49,038 (-13%)
Cod Removals (numbers, a+b1+(0.15*b2))	9,550	8,956	8,357 (-7%)
Cod Avg. Catch Per Angler Trip (numbers) ¹	1.6	1.6	2.1 (+31%)
Charter			
Cod Catch (numbers, a+b1+b2)	21,381	20,466	37,955 (+85%)
Cod Kept/Released Dead (numbers, a+b1)	407	407	1,928 (+374%)
Cod Released Alive (numbers, b2)	20,974	20,058	36,027 (+80%)
Cod Removals (numbers, a+b1+(0.15*b2))	3,553	3,416	7,332 (+115%)
Cod Avg. Catch Per Angler Trip (numbers) ¹	1.5	1.7	3.3 (+94%)
Private			
Cod Catch (numbers, a+b1+b2)	384,775	377,848	105,349 (-72%)
Cod Kept/Released Dead (numbers, a+b1)	534	534	3,848 (+621%)
Cod Released Alive (numbers, b2)	384,240	377,315	101,501 (-73%)
Cod Removals (numbers, a+b1+(0.15*b2))	58,170	57,131	19,073 (-67%)
Cod Avg. Catch Per Angler Trip (numbers) ¹	5.5	6.3	2.4 (-62%)
Shore			
Cod Catch (numbers, a+b1+b2)	614	614	- (-100%)
Cod Kept/Released Dead (numbers, a+b1)	614	614	- (-100%)
Cod Released Alive (numbers, b2)	-	-	- (0%)
Cod Removals (numbers, a+b1+(0.15*b2))	614	614	- (-100%)
Cod Avg. Catch Per Angler Trip (numbers) ¹	1.0	1.0	- (-100%)

¹Number of angler trips that targeted and/or caught cod or haddock

Table 6. Gulf of Maine Cod Recreational Catch Estimates by Mode (new MRIP)

Mode	FY 2018	FY 2018	FY 2019
	May 1 - Apr. 30 (All waves)	May 1 - Aug. 30 (Wave's 3, 4)	May 1 - Aug. 30 (Wave's 3, 4)
Head			
Cod Catch (numbers, a+b1+b2)	60,665	56,926	50,039 (-12%)
Cod Kept/Released Dead (numbers, a+b1)	530	491	1,001 (+104)
Cod Released Alive (numbers, b2)	60,135	56,435	49,038 (-13%)
Cod Removals (numbers, a+b1+(0.15*b2))	9,550	8,956	8,357 (-7%)
Cod Avg. Catch Per Angler Trip (numbers) ¹	1.6	1.6	2.1 (+31%)
Charter			
Cod Catch (numbers, a+b1+b2)	21,381	20,466	37,955 (+85%)
Cod Kept/Released Dead (numbers, a+b1)	407	407	1,928 (+374%)
Cod Released Alive (numbers, b2)	20,974	20,058	36,027 (+80%)
Cod Removals (numbers, a+b1+(0.15*b2))	3,553	3,416	7,332 (+115%)
Cod Avg. Catch Per Angler Trip (numbers) ¹	1.5	1.7	3.3 (+94%)
Private			
Cod Catch (numbers, a+b1+b2)	1,090,017	1,068,359	293,464 (-73%)
Cod Kept/Released Dead (numbers, a+b1)	1,262	1,262	7,612 (+503%)
Cod Released Alive (numbers, b2)	1,088,756	1,067,098	285,852 (-73%)
Cod Removals (numbers, a+b1+(0.15*b2))	164,575	161,327	50,490 (-69%)
Cod Avg. Catch Per Angler Trip (numbers) ¹	4.6	6.9	2.6 (-62%)
Shore			
Cod Catch (numbers, a+b1+b2)	3,169	3,169	- (-100%)
Cod Kept/Released Dead (numbers, a+b1)	3,169	3,169	- (-100%)
Cod Released Alive (numbers, b2)	-	-	- (0%)
Cod Removals (numbers, a+b1+(0.15*b2))	3,169	3,169	- (-100%)
Cod Avg. Catch Per Angler Trip (numbers) ¹	1.0	1.0	- (-100%)

¹Number of angler trips that targeted and/or caught cod or haddock

Table 7. Gulf of Maine Haddock Recreational Catch Estimates by Mode (old MRIP)

Mode	FY 2018	FY 2018	FY 2019
	May 1 - Apr. 30 (All waves)	May 1 - Aug. 30 (Wave's 3, 4)	May 1 - Aug. 30 (Wave's 3, 4)
Head			
Haddock Catch (numbers, a+b1+b2)	350,185	326,323	126,459 (-61%)
Haddock Kept/Released Dead (numbers, a+b1)	165,955	157,304	73,694 (-53%)
Haddock Released Alive (numbers, b2)	184,229	169,019	52,765 (-69%)
Haddock Removals (numbers, a+b1+(b2*season/size release mortality))	255,490	240,799	104,182 (-57%)
Haddock Avg. Catch Per Angler Trip (numbers) ¹	9.3	9.5	5 (-47%)
Charter			
Haddock Catch (numbers, a+b1+b2)	188,578	177,060	145,825 (-18%)
Haddock Kept/Released Dead (numbers, a+b1)	81,878	79,000	78,845 (-0.02%)
Haddock Released Alive (numbers, b2)	106,707	98,060	66,980 (-32%)
Haddock Removals (numbers, a+b1+(b2*season/size release mortality))	133,738	126,657	117,546 (-7%)
Haddock Avg. Catch Per Angler Trip (numbers) ¹	13.6	15.0	12.4 (-17%)
Private			
Haddock Catch (numbers, a+b1+b2)	514,870	463,641	272,952 (-41%)
Haddock Kept/Released Dead (numbers, a+b1)	224,353	201,830	118,120 (-41%)
Haddock Released Alive (numbers, b2)	290,516	261,811	154,832 (-41%)
Haddock Removals (numbers, a+b1+(b2*season/size release mortality))	365,544	329,070	207,582 (-37%)
Haddock Avg. Catch Per Angler Trip (numbers) ¹	7.4	7.7	6.1 (-20%)

¹Number of angler trips that targeted and/or caught cod or haddock

Table 8. Gulf of Maine Haddock Recreational Catch Estimates by Mode (new MRIP)

Mode	FY 2018	FY 2018	FY 2019
	May 1 - Apr. 30 (All waves)	May 1 - Aug. 30 (Wave's 3, 4)	May 1 - Aug. 30 (Wave's 3, 4)
Head			
Haddock Catch (numbers, a+b1+b2)	350,185	326,323	126,459 (-61%)
Haddock Kept/Released Dead (numbers, a+b1)	165,955	157,304	73,694 (-53%)
Haddock Released Alive (numbers, b2)	184,229	169,019	52,765 (-69%)
Haddock Removals (numbers, a+b1+(b2*season/size release mortality))	255,490	240,799	104,182 (-57%)
Haddock Avg. Catch Per Angler Trip (numbers) ¹	9.3	9.5	5 (-47%)
Charter			
Haddock Catch (numbers, a+b1+b2)	188,578	177,060	145,825 (-18%)
Haddock Kept/Released Dead (numbers, a+b1)	81,878	79,000	78,845 (-0.02%)
Haddock Released Alive (numbers, b2)	106,707	98,060	66,980 (-32%)
Haddock Removals (numbers, a+b1+(b2*season/size release mortality))	133,738	126,657	117,546 (-7%)
Haddock Avg. Catch Per Angler Trip (numbers) ¹	13.6	15.0	12.4 (-17%)
Private			
Haddock Catch (numbers, a+b1+b2)	1,716,305	1,302,982	738,674 (-43%)
Haddock Kept/Released Dead (numbers, a+b1)	905,485	570,779	330,959 (-42%)
Haddock Released Alive (numbers, b2)	810,820	732,203	407,714 (-44%)
Haddock Removals (numbers, a+b1+(b2*season/size release mortality))	1,299,544	926,630	566,536 (-39%)
Haddock Avg. Catch Per Angler Trip (numbers) ¹	7.3	8.5	6.5 (-24%)

¹Number of angler trips that targeted and/or caught cod or haddock

Georges Bank Cod

Table 9. Georges Bank Cod Recreational Catch Estimates (old MRIP)¹

	FY 2018	FY 2018	FY 2019
	May 1 - Apr. 30 (All waves)	May 1 - Aug. 30 (Wave's 3, 4)	May 1 - Aug. 30 (Wave's 3, 4)
Cod Angler Trips ²	21,372	7,070	11,691 (+65%)
Cod Catch (numbers, a+b1+b2)	19,371	7,528	38,182 (+407%)
Cod Kept/Released Dead (numbers, a+b1)	12,499	3,376	21,321 (+531%)
Cod Released Alive (numbers, b2)	6,872	4,151	16,862 (+306%)
Cod Removals (numbers, a+b1+(0.30*b2))	14,561	4,621	26,380 (+470%)
Cod Removals (weight³, mt)	37		
Cod Avg. Catch Per Trip (numbers)	0.9	1.1	3.3 (-43%)

¹Source: Available MRIP data (old currency) as of Nov. 5, 2019

²Number of angler trips that targeted and/or caught cod.

³All weights are based on round weights calculated from MRIP length frequencies and length to weight equations used in the

Table 10. Georges Bank Cod Recreational Catch Estimates (new MRIP)¹

	FY 2018	FY 2018	FY 2019
	May 1 - Apr. 30 (All waves)	May 1 - Aug. 30 (Wave's 3, 4)	May 1 - Aug. 30 (Wave's 3, 4)
Cod Angler Trips ²	47,343	21,156	25,985 (+23%)
Cod Catch (numbers, a+b1+b2)	41,073	17,582	83,382 (+374%)
Cod Kept/Released Dead (numbers, a+b1)	25,277	7,573	41,644 (+450%)
Cod Released Alive (numbers, b2)	15,796	10,008	29,976 (+200%)
Cod Removals (numbers, a+b1+(0.30*b2))	30,016	10,575	50,637 (+379%)
Cod Removals (weight³, mt)	76		
Cod Avg. Catch Per Trip (numbers)	0.9	0.8	3.2 (+286%)

¹Source: Available MRIP data (old currency) as of Nov. 5, 2019

²Number of angler trips that targeted and/or caught cod.

³All weights are based on round weights calculated from MRIP length frequencies and length to weight equations used in the