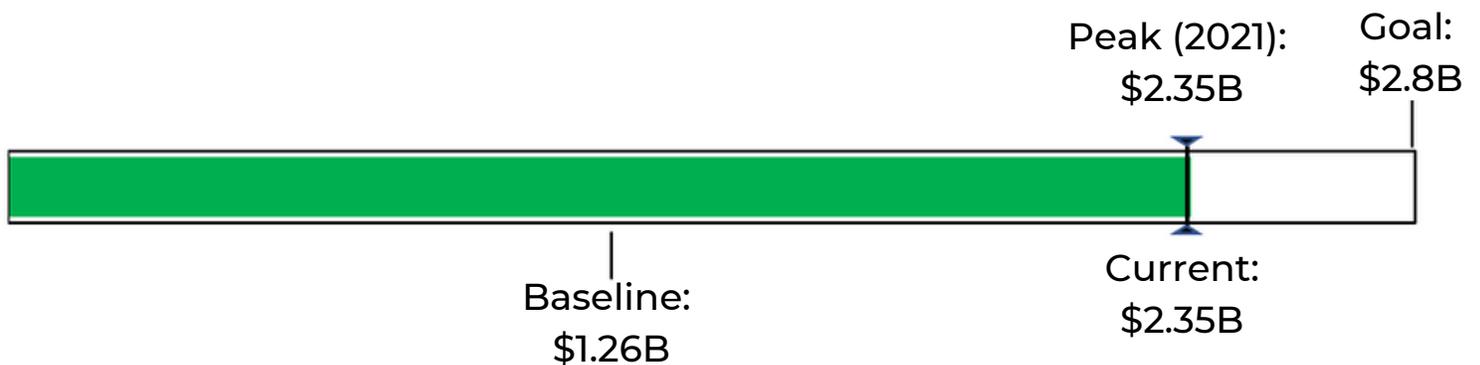




FISHERIES AND AGRICULTURE

STATUS:  PROGRESSING AND ON TRACK



New Brunswick's Seafood and agricultural product exports will be worth \$2.8 billion or more by 2024.

Figure 1: New Brunswick Agriculture and Seafood Product Domestic Exports



(See full data in Appendix A)

HIGHLIGHTS

- New Brunswick's Seafood and agricultural product exports will be worth \$2.8 billion or more by 2024.
- Over the past ten years, the total value of New Brunswick's exports has more than doubled. Despite a significant reduction in 2020, the industry had record growth in 2021.
- In 2021, the province's domestic exports had unprecedented growth and reached just above \$2.35 billion.
- The Seafood Production and Packaging sector makes up nearly 70% of the export value in the province and is a major reason behind the increase in New Brunswick's seafood and agriculture export values.

OVERVIEW

Importance

Fisheries and agriculture are both valuable resources to New Brunswick. They improve food security, increase wealth, provide employment opportunities, and promote economic growth. In addition, sustainable use of these resources preserves the province's environment and natural resources.

Problem

Over the past ten years, the total value of New Brunswick's exports has more than doubled. However, in 2020, New Brunswick's seafood, crop production, and animal product exports were valued at \$1.6 billion - a significant reduction from the previous year, which reached just under \$2 billion. In 2021, domestic exports reached just above \$2.35 billion.

Cause

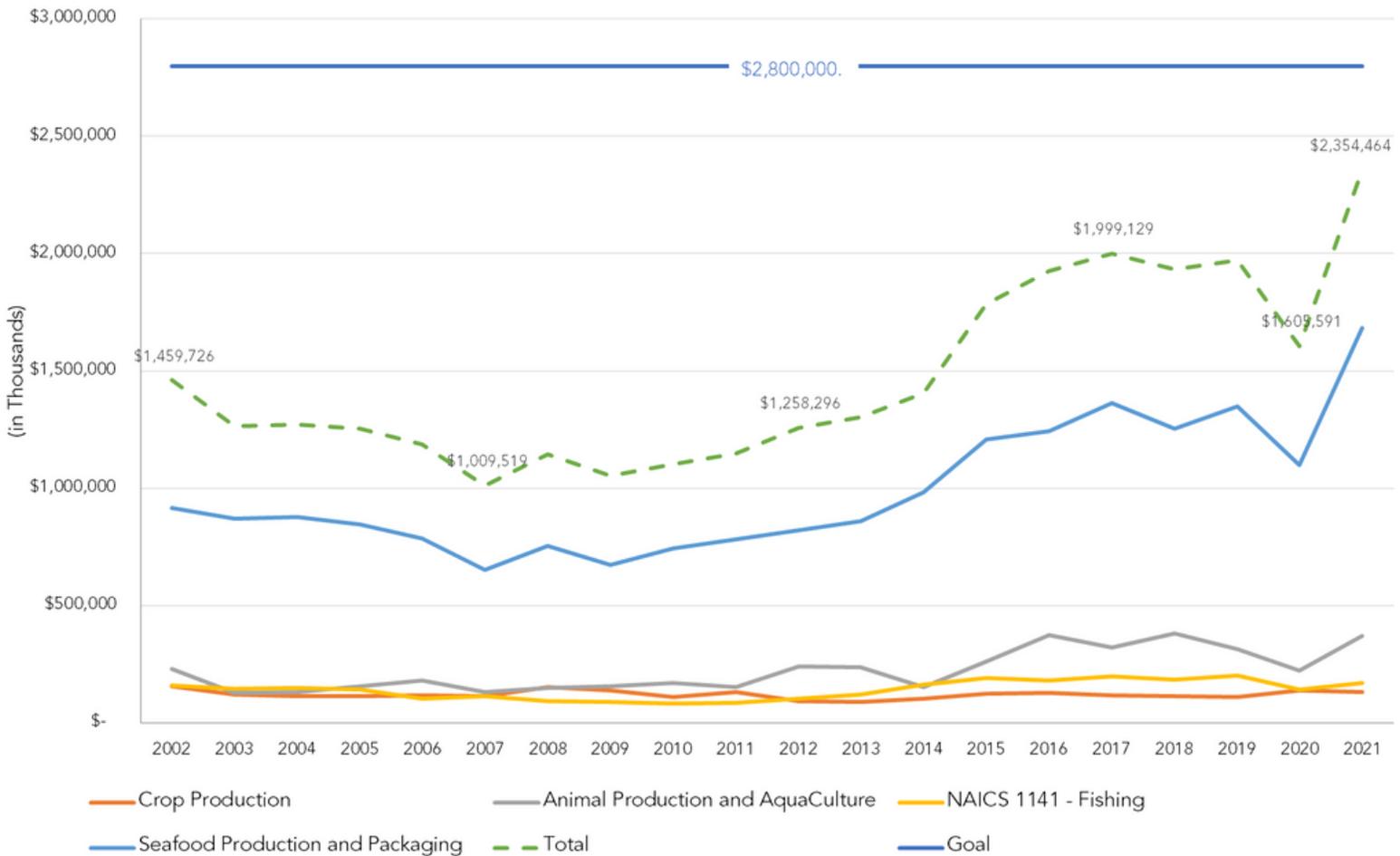
Most of the increase comes from the Seafood Production and Packaging sector, which makes up nearly 70% of the export value in the province, though all sectors have been growing since 2012. These upward trends had put New Brunswick on track to reach the suggested goal of achieving a total domestic export value worth at least \$2.8 billion by 2024.

IN THE NUMBERS

Agriculture and Seafood Product Exports

Figure 2 shows that although animal production, which includes aquaculture, has fluctuated, crop production and fishing has seen minimal fluctuations since 2002. After facing a low of \$652 million in 2007, New Brunswick's domestic fishery and seafood products have seen major increases over the years, with \$1.68 billion in packaging exports in 2021, an industry high. This was a significant increase from 1.1 billion in 2020.

Figure 2: New Brunswick Agriculture and Seafood Product Domestic Exports (2021 constant dollars x1000)



(See full data in Appendix A)

If New Brunswick's seafood and agriculture exports are to reach the suggested value of \$2 billion, high animal production values need to return to 2019 levels, and crop production must be accelerated. If this occurs, and seafood exports recover and continue growing, further progress is possible.

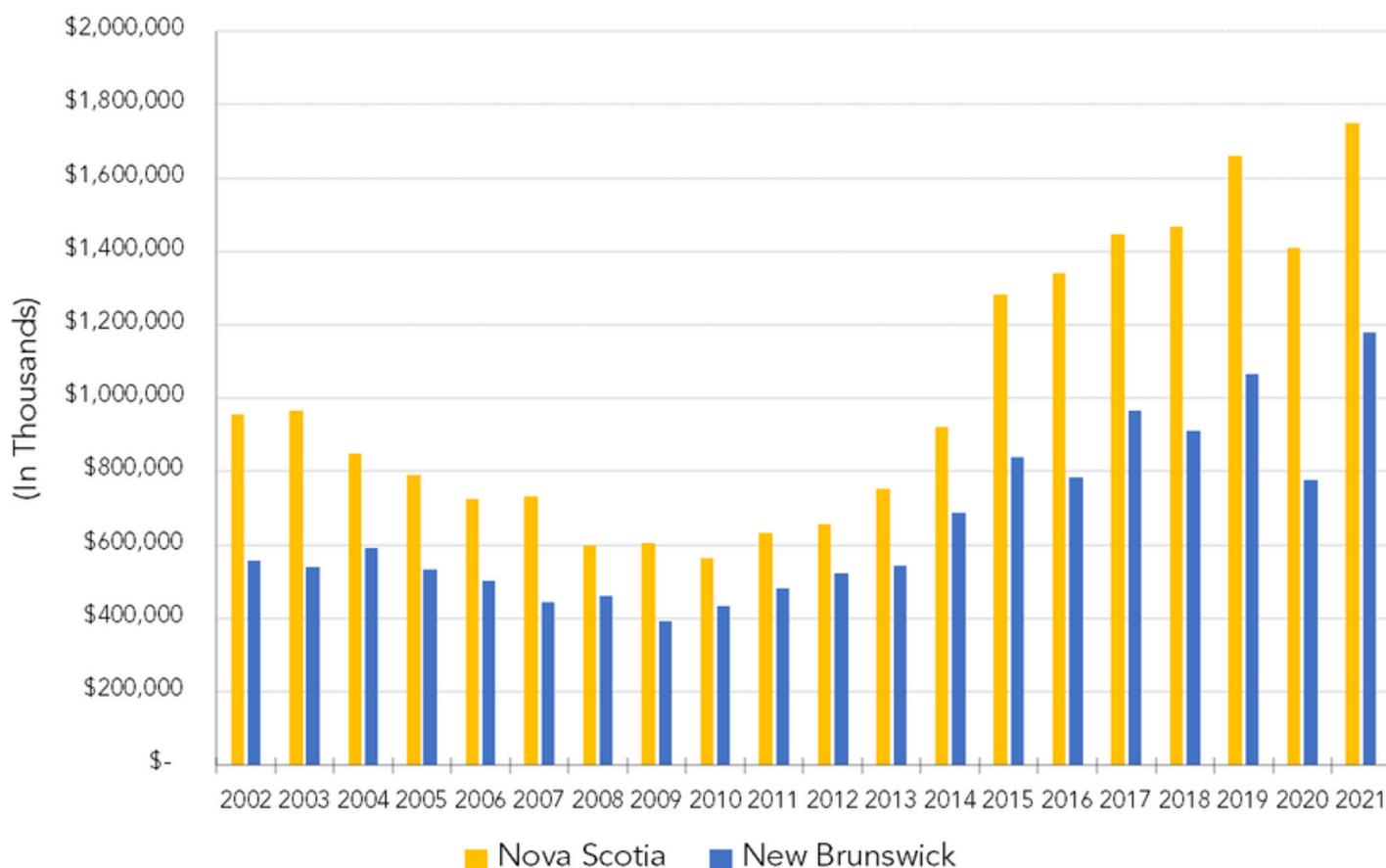
A CLOSER LOOK

Fishery exports have brought about major growth in the Atlantic provinces over the past few years, with rising lobster prices driving much of the progress within the seafood industry.

As displayed in Figure 3, New Brunswick's crustacean exports (which include lobster, crab, shrimp, and prawns) increased from \$524 million in 2012 to \$1.18 billion in 2021. Lobster prices have nearly doubled since 2012, with a jump from \$2.87 per pound to \$5.54 between 2012 and 2018. This change is a key factor behind the accelerated growth.

This progress is also due to a weak Canadian dollar and the favorable exchange rate for the United States, which consequently imported larger amounts of Canadian lobster. High levels of growth in other seafood products, such as crab and shrimp, also boosted the upward trend in crustacean exports.

Figure 3: Domestic Exports of Lobster and Crustaceans Compared to Nova Scotia (2021 constant dollars)



(See full data in Appendix B)

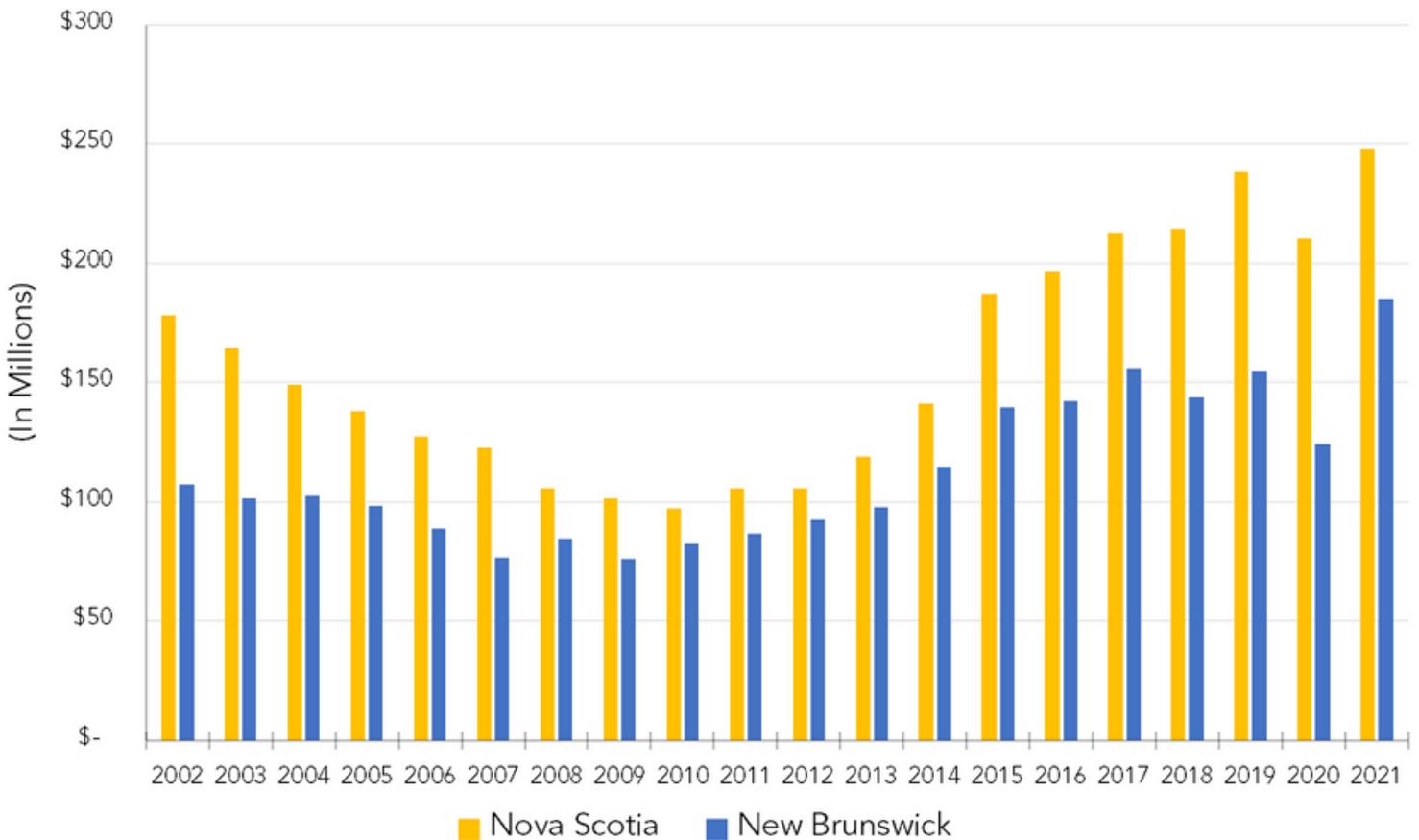
The United States is the dominant market for New Brunswick's seafood exports. In 2019, 84% of New Brunswick's seafood products (worth \$1.5 billion) were exported directly to the US. From 2019-2020, the province has seen a decline in its exports to the US (20%), Japan (25%), and China (35%) (the top three export markets of 2019) [1]. According to the Government of Canada, New Brunswick is also likely to see increased exports to the European Union because the new Comprehensive Economic and Trade Agreement (CETA) between Canada and the European Union will reduce tariffs on seafood, which could have a positive impact on Atlantic Canada moving forward.[2]

[1] "New Brunswick agri-food and seafood export highlights 2020." Province of New Brunswick. <https://www2.gnb.ca/content/dam/gnb/Departments/10/pdf/Publications/Aqu/ExportHighlightsforNewBrunswickAgriFoodandSeafood2020.pdf>

[2] "Benefits for Nova Scotia." Canadian-European Union Comprehensive Economic and Trade Agreement. <http://www.international.gc.ca/trade-commerce/assets/pdfs/agreements-accords/ns-nova-scotia-eng.pdf>

After facing a low of \$760 million in 2009, New Brunswick's domestic fishery and seafood packaging exports reached a high of \$1.85 billion in 2021, an increase from \$1.24 billion in 2020. This is shown in Figure 4. Although the value of New Brunswick's exported seafood products has consistently fallen short of Nova Scotia's, this overall growth since 2009 has nonetheless been significant and progressive for the province.

Figure 4: Domestic Exports in Fishing and Seafood Preparation/Packaging Compared to Nova Scotia (2021 constant dollars)

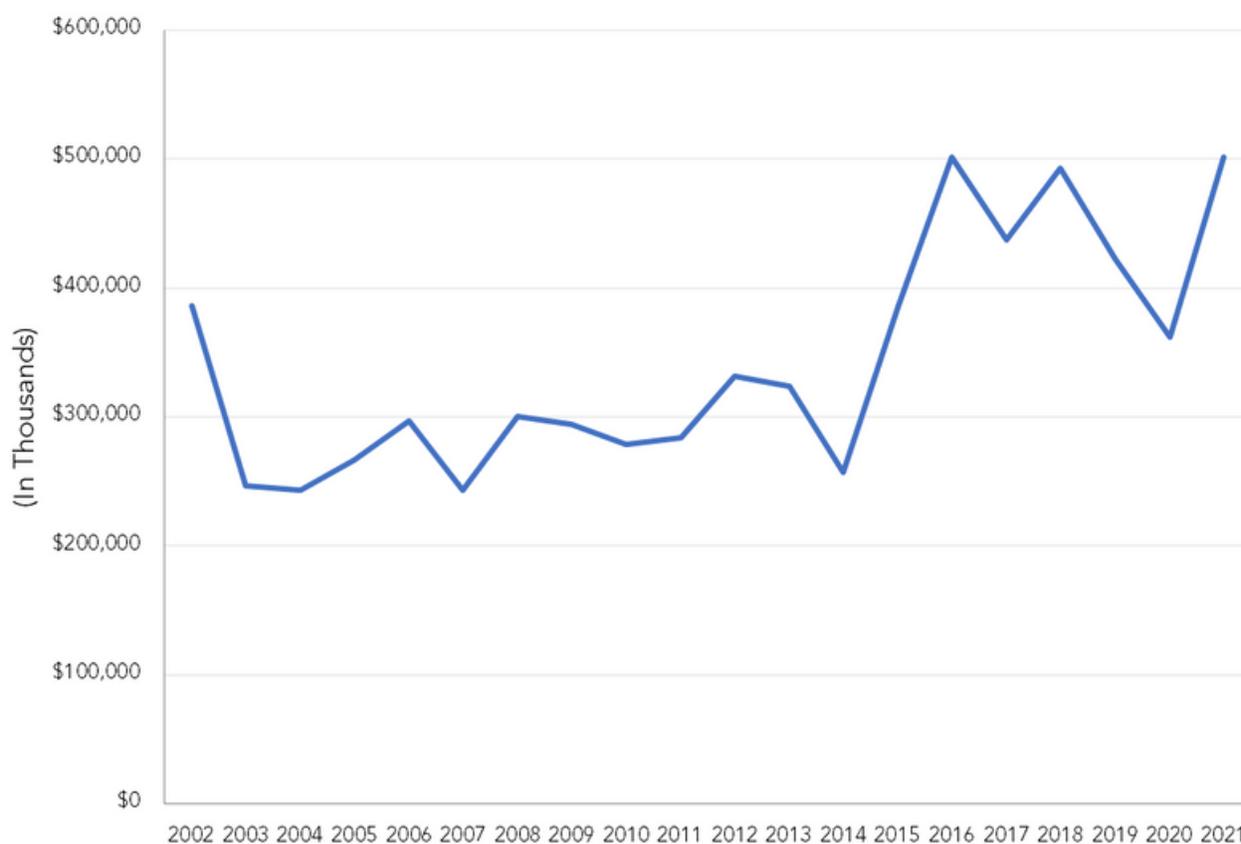


(See full data in Appendix C)

Total Crop and Animal Production Compared to Nova Scotia

As seen in Figure 5, New Brunswick's agriculture exports increased by approximately \$258 million between 2007 and 2021, growing from \$253 million to \$501 million during that time. Aquaculture (fish farming) products are currently the highest contributing animal product exported from New Brunswick. New Brunswick sends the bulk of its agriculture products to the United States, which received 85% of the province's agriculture exports in 2020. The next largest importer of New Brunswick agriculture is Costa Rica, which received 1.6% in the same year. [1]

Figure 5: New Brunswick Total Crop and Animal Production (2021 constant dollars)

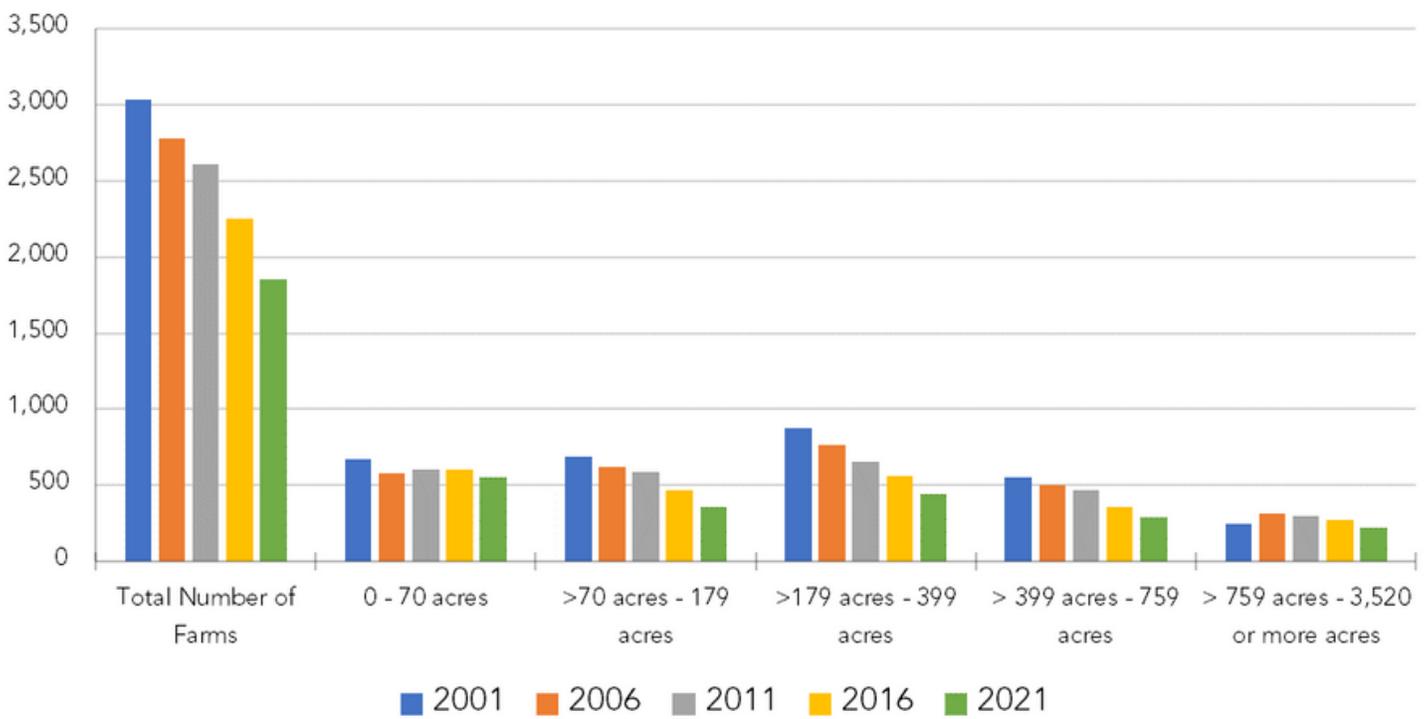


(See full data in Appendix D)

[1] "New Brunswick agri-food and seafood export highlights 2020." Province of New Brunswick. <https://www2.gnb.ca/content/dam/gnb/Departments/10/pdf/Publications/Aqu/ExportHighlightsforNewBrunswickAgriFoodandSeafood2020.pdf>

The number of farms in New Brunswick varies by size, ranging from under 10 acres to 3,520 acres and above. The number of farms less than 70 acres have seen a small decrease, whereas . Farms ranging from 70 acres to 759 acres have seen a steep decrease since 2001, and farms greater than 759 acres consistently increase from 2001-2016 and saw decrease below 2001 levels between 2016 and 2021. This is a result of farm consolidation, which also explains the overall decrease in the total number of farms from 3,034 in 2001 to 1,851 in 2021. This is displayed in Figure 7.

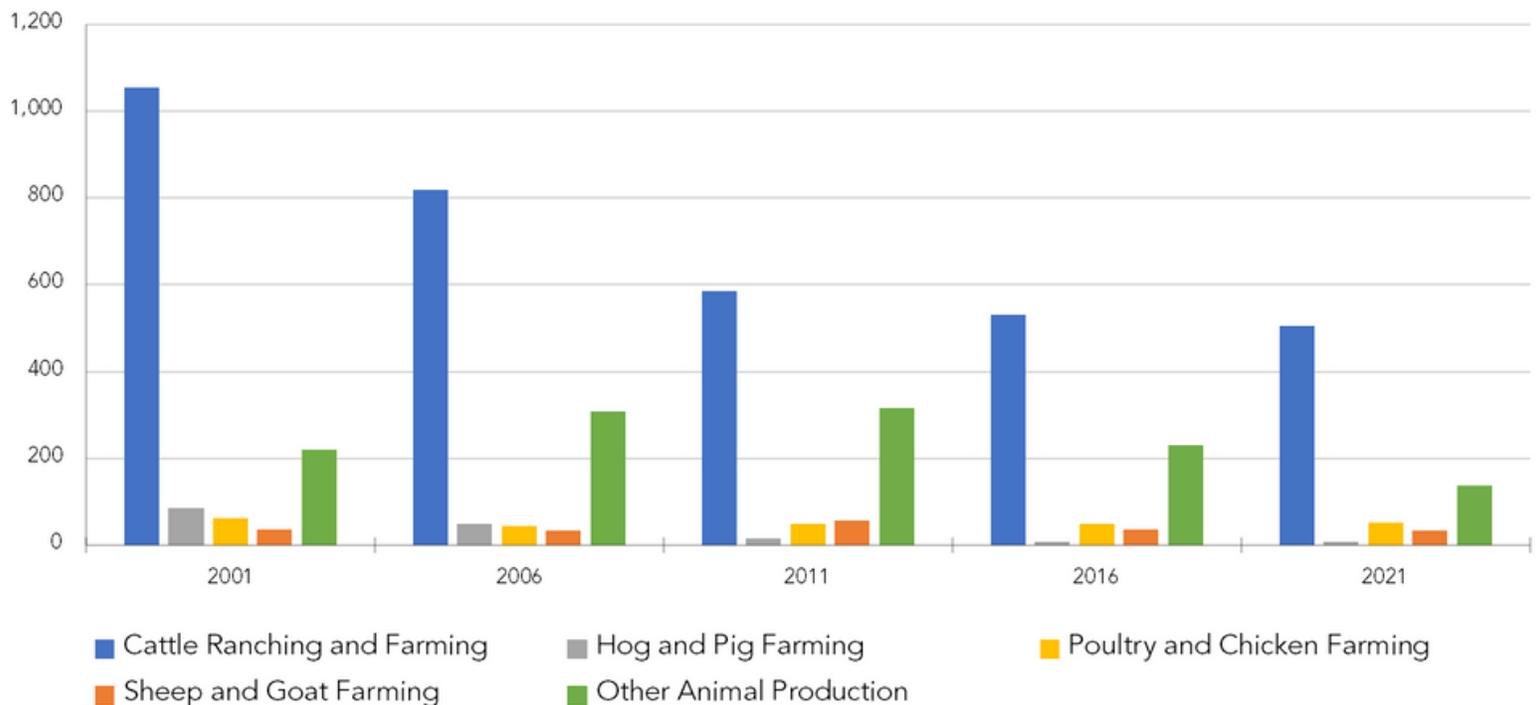
Figure 6: Number of Farms in New Brunswick by Size



(See full data in Appendix E)

New Brunswick has numerous types of animal farming. The predominant form of farming is cattle ranching and farming, with around 506 farms in 2016. In general, the number of farms reporting in New Brunswick has decreased drastically from 2001 to 2021, falling from 3,034 farms to 1,851 farms in total. Major reductions are noted in cattle ranching and farming, hog and pig farming, and other animal production, while the other types appear slightly more consistent. This is displayed in Figure 7.

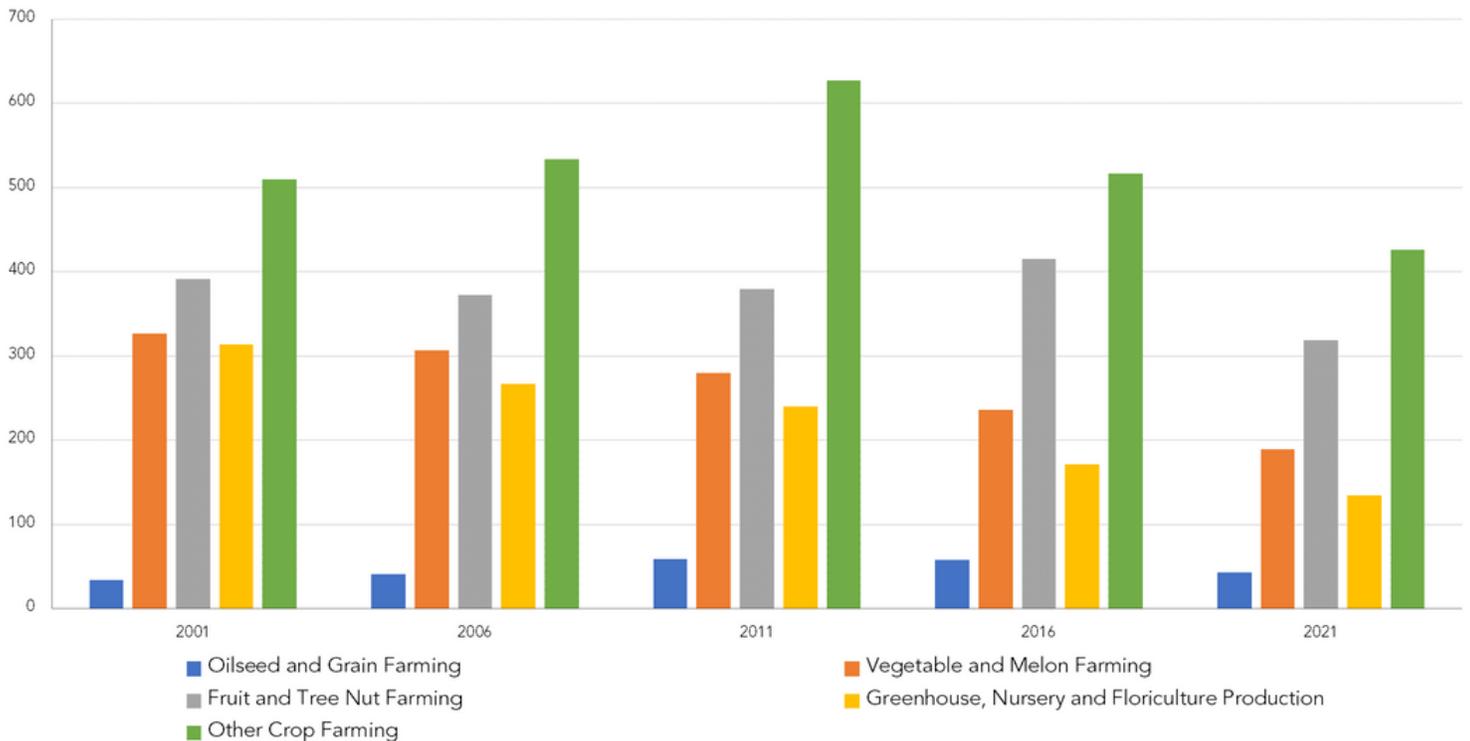
Figure 7: Number of Farms for Animal Production in New Brunswick



(See full data in Appendix E)

Crop production in New Brunswick showed some fluctuations between 2001 and 2021. The number of farms producing major crops (listed in the Figure 8 legend) have decreased from 2016 to 2021. This is displayed in Figure 8.

Figure 8: Number of Farms for Crop Production in New Brunswick



(See full data in Appendix E)

SUMMARY

- Fisheries and agriculture are valuable resources to New Brunswick, as they both improve food security, increase wealth, provide employment opportunities, and promote economic growth.
- The Seafood Production and Packaging sector makes up nearly 70% of the export value in the province and is a major reason behind the increase in New Brunswick’s seafood and agriculture export values.
- This upward trend had put New Brunswick on track to reach the suggested goal of achieving a total domestic export value worth at least \$2.8 billion for this sector.

APPENDIX A

New Brunswick Agriculture and Seafood Product Exports (2021 dollars x1000)

Year	NAICS 111 - Crop production	NAICS 112 - Animal production and aquaculture	NAICS 1141 - Fishing	NAICS 3117 - Seafood product preparation and packaging	Total
2002	\$ 156,470	\$ 229,465	\$ 159,248	\$ 914,543	\$ 1,459,726
2003	\$ 120,460	\$ 126,433	\$ 146,756	\$ 869,935	\$ 1,263,585
2004	\$ 112,921	\$ 130,445	\$ 150,046	\$ 878,465	\$ 1,271,876
2005	\$ 112,366	\$ 154,724	\$ 141,396	\$ 844,549	\$ 1,253,035
2006	\$ 116,861	\$ 180,617	\$ 103,685	\$ 784,930	\$ 1,186,093
2007	\$ 113,086	\$ 129,872	\$ 114,286	\$ 652,275	\$ 1,009,519
2008	\$ 152,291	\$ 148,198	\$ 90,907	\$ 753,555	\$ 1,144,951
2009	\$ 136,758	\$ 157,516	\$ 88,075	\$ 672,135	\$ 1,054,483
2010	\$ 109,975	\$ 168,863	\$ 81,502	\$ 743,284	\$ 1,103,624
2011	\$ 131,156	\$ 152,719	\$ 84,937	\$ 781,063	\$ 1,149,875
2012	\$ 93,236	\$ 238,793	\$ 103,653	\$ 822,614	\$ 1,258,296
2013	\$ 88,561	\$ 235,488	\$ 121,370	\$ 858,456	\$ 1,303,875
2014	\$ 103,704	\$ 153,650	\$ 163,980	\$ 983,502	\$ 1,404,836
2015	\$ 123,530	\$ 261,539	\$ 189,782	\$ 1,209,294	\$ 1,784,145
2016	\$ 128,400	\$ 373,601	\$ 180,096	\$ 1,242,356	\$ 1,924,453
2017	\$ 116,560	\$ 321,156	\$ 197,738	\$ 1,363,675	\$ 1,999,129
2018	\$ 112,632	\$ 379,977	\$ 185,282	\$ 1,255,006	\$ 1,932,897
2019	\$ 109,732	\$ 312,636	\$ 201,439	\$ 1,348,632	\$ 1,972,440
2020	\$ 139,301	\$ 222,559	\$ 143,209	\$ 1,100,521	\$ 1,605,591
2021	\$ 130,803	\$ 370,426	\$ 168,778	\$ 1,684,456	\$ 2,354,464

Source: Statistics Canada (Trade Data Online)

APPENDIX B

Domestic Exports of Lobster and Crustaceans Compared to Nova Scotia (2021 constant dollars)

Year	Nova Scotia	New Brunswick
2002	\$ 957,465	\$ 556,634
2003	\$ 965,339	\$ 539,509
2004	\$ 850,216	\$ 591,600
2005	\$ 791,156	\$ 534,357
2006	\$ 724,357	\$ 502,669
2007	\$ 731,250	\$ 443,699
2008	\$ 599,415	\$ 462,146
2009	\$ 604,907	\$ 394,240
2010	\$ 565,361	\$ 432,506
2011	\$ 633,738	\$ 480,308
2012	\$ 656,913	\$ 524,258
2013	\$ 755,061	\$ 543,551
2014	\$ 922,448	\$ 689,384
2015	\$ 1,281,571	\$ 838,397
2016	\$ 1,340,013	\$ 784,398
2017	\$ 1,446,009	\$ 966,110
2018	\$ 1,468,892	\$ 910,129
2019	\$ 1,659,648	\$ 1,064,526
2020	\$ 1,409,813	\$ 778,498
2021	\$ 1,749,781	\$ 1,178,552

Source: Statistics Canada (Trade Data Online)

APPENDIX C

Domestic Exports in Fishing and Seafood Preparation/Packaging Compared to Nova Scotia (2021 constant dollars)

Year	NAICS 1141 - Fishing		NAICS 3117 - Seafood product preparation and packaging		Fishing and Seafood Preparation and Packaging	
	Nova Scotia	New Brunswick	New Brunswick	Nova Scotia	New Brunswick	Nova Scotia
2002	\$ 811,787,859	\$ 159,248,192	\$ 914,543,459	\$ 969,100,909	\$ 1,073,791,651	\$ 1,780,888,768
2003	\$ 777,249,968	\$ 146,756,227	\$ 869,934,962	\$ 865,877,133	\$ 1,016,691,189	\$ 1,643,127,101
2004	\$ 694,082,964	\$ 150,045,585	\$ 878,464,835	\$ 797,909,835	\$ 1,028,510,420	\$ 1,491,992,799
2005	\$ 658,011,647	\$ 141,396,261	\$ 844,548,653	\$ 723,698,075	\$ 985,944,914	\$ 1,381,709,722
2006	\$ 622,140,796	\$ 103,684,907	\$ 784,929,877	\$ 654,951,674	\$ 888,614,784	\$ 1,277,092,470
2007	\$ 588,764,246	\$ 114,285,675	\$ 652,275,354	\$ 636,668,125	\$ 766,561,028	\$ 1,225,432,370
2008	\$ 523,557,667	\$ 90,906,770	\$ 753,555,280	\$ 532,186,736	\$ 844,462,050	\$ 1,055,744,403
2009	\$ 532,519,623	\$ 88,074,886	\$ 672,134,968	\$ 485,030,512	\$ 760,209,854	\$ 1,017,550,136
2010	\$ 478,599,319	\$ 81,502,464	\$ 743,284,295	\$ 496,609,173	\$ 824,786,759	\$ 975,208,492
2011	\$ 511,511,089	\$ 84,936,992	\$ 781,062,890	\$ 548,738,809	\$ 865,999,882	\$ 1,060,249,897
2012	\$ 496,570,464	\$ 103,652,979	\$ 822,614,053	\$ 561,131,694	\$ 926,267,032	\$ 1,057,702,158
2013	\$ 574,686,627	\$ 121,369,696	\$ 858,456,227	\$ 618,015,622	\$ 979,825,923	\$ 1,192,702,249
2014	\$ 713,394,014	\$ 163,980,211	\$ 983,502,423	\$ 696,557,743	\$ 1,147,482,634	\$ 1,409,951,756
2015	\$ 982,391,068	\$ 189,782,233	\$ 1,209,293,723	\$ 888,198,363	\$ 1,399,075,957	\$ 1,870,589,431
2016	\$ 962,541,191	\$ 180,096,350	\$ 1,242,355,986	\$ 1,006,617,945	\$ 1,422,452,335	\$ 1,969,159,136
2017	\$ 967,980,826	\$ 197,737,728	\$ 1,363,674,747	\$ 1,159,866,896	\$ 1,561,412,475	\$ 2,127,847,722
2018	\$ 1,011,229,836	\$ 185,281,948	\$ 1,255,005,758	\$ 1,130,284,336	\$ 1,440,287,706	\$ 2,141,514,172
2019	\$ 1,186,895,530	\$ 201,438,793	\$ 1,348,632,083	\$ 1,199,707,760	\$ 1,550,070,876	\$ 2,386,603,290
2020	\$ 1,043,464,760	\$ 143,209,282	\$ 1,100,521,335	\$ 1,062,540,485	\$ 1,243,730,617	\$ 2,106,005,245
2021	\$ 1,254,952,296	\$ 168,778,434	\$ 1,684,456,489	\$ 1,228,403,373	\$ 1,853,234,923	\$ 2,483,355,669

Source: Statistics Canada (Trade Data Online)

Lobster Price: US Department of Commerce exchanged to Canadian using annual rate (source: Canadian Forex Limited)

APPENDIX D

New Brunswick Total Crop and Animal Production (2021 constant dollars x1000)

Year	NAICS 111 - Crop production	NAICS 112 - Animal production and aquaculture	Crop Production, Animal Production and Agriculture
2002	\$ 156,470	\$ 229,465	\$ 385,935
2003	\$ 120,460	\$ 126,433	\$ 246,894
2004	\$ 112,921	\$ 130,445	\$ 243,366
2005	\$ 112,366	\$ 154,724	\$ 267,090
2006	\$ 116,861	\$ 180,617	\$ 297,478
2007	\$ 113,086	\$ 129,872	\$ 242,958
2008	\$ 152,291	\$ 148,198	\$ 300,489
2009	\$ 136,758	\$ 157,516	\$ 294,273
2010	\$ 109,975	\$ 168,863	\$ 278,838
2011	\$ 131,156	\$ 152,719	\$ 283,875
2012	\$ 93,236	\$ 238,793	\$ 332,029
2013	\$ 88,561	\$ 235,488	\$ 324,049
2014	\$ 103,704	\$ 153,650	\$ 257,354
2015	\$ 123,530	\$ 261,539	\$ 385,069
2016	\$ 128,400	\$ 373,601	\$ 502,001
2017	\$ 116,560	\$ 321,156	\$ 437,716
2018	\$ 112,632	\$ 379,977	\$ 492,610
2019	\$ 109,732	\$ 312,636	\$ 422,369
2020	\$ 139,301	\$ 222,559	\$ 361,860
2021	\$ 130,803	\$ 370,426	\$ 501,229

Source: Statistics Canada (Trade Data Online)

APPENDIX E

Number of Farms in New Brunswick by Size

Year	Total Number of Farms	0 - 70 acres	>70 acres - 179 acres	>179 acres - 399 acres	> 399 acres - 759 acres	> 759 acres - 3,520 or more acres
2001	3,034	675	688	874	551	246
2006	2,776	580	618	763	499	316
2011	2,611	607	587	657	464	296
2016	2,255	602	464	564	354	271
2021	1,851	555	355	438	285	218

Source: Statistics Canada Table: 32-10-0156-01 (formerly CANSIM 004-0005)

Number of Farms for Animal Production in New Brunswick

Year	Total number of farms	Cattle ranching and	Hog and pig farming [1122]	Poultry and egg production [1123]	Sheep and goat farming	Other animal production [1129]
2001	3,034	1,054	85	62	36	221
2006	2,776	818	50	45	33	309
2011	2,611	586	16	50	57	317
2016	2,255	530	9	51	38	230
2021	1,851	506	9	53	33	139

Source: Statistics Canada Table: 32-10-0166-01 (formerly CANSIM 004-0014)

Number of Farms for Animal Production in New Brunswick

Year	Oilseed and grain farming [1111]	Vegetable and melon farming [1112]	Fruit and tree nut farming [1113]	Greenhouse, nursery and floriculture production [1114]	Other crop farming [1119]
2001	34	327	391	314	510
2006	41	307	372	267	534
2011	59	280	379	240	627
2016	58	236	415	171	517
2021	43	189	319	134	426

Source: Statistics Canada Table: 32-10-0166-01 (formerly CANSIM 004-0014)