

2024 Herring Surveys

Per-Survey Analysis & Overall Report

Survey period:	2024-08-15 — 2024-11-03
Total surveys analyzed:	42
Total transects:	324
Survey dates:	16
Vessels:	Atlantic Star, , Bomp n Tom, Eagle 8, Saltwater Hunter
Equipment:	Simrad EK80 echosounder, processed in Echoview
Tier thresholds:	Extreme >15,887 NASC Very High 9,667-15,887 High 3,972-9,667 Moderate <3,972
Depth units:	Fathoms (1 fathom = 1.8288 m)

Executive Summary

The 2024 season consisted of **42 surveys** totaling **324 transects** across **16 unique survey dates** from 2024-08-15 to 2024-11-03. Cumulative NASC totaled **1,393,321 m²/nmi²**, with the single highest reading at **267,586** — recorded by Saltwater Hunter on 2024-10-24 at 43.9336°N, 64.6898°W in 5.8 fath.

Concentration breakdown: **9 Extreme, 11 Very High, 40 High, 264 Moderate**. The seasonal pattern follows the established spawning migration: schools build through August-September, stage in deeper water through October, and concentrate near 43.93°N / 64.72°W in November. The October 24, 2024 surveys produced the dataset's top three NASC readings (267k, 178k, 171k) — all within a single 5-km box and forming the core evidence for the spawning ground location.

Top 5 hottest transects of 2024

#	NASC	Region	Vessel	Date	Position	Depth
1	267,586	SH2_TS01	Saltwater Hunter	2024-10-24	43.9336, -64.6898	5.8 fath
2	178,016	SH2_TS03	Saltwater Hunter	2024-10-24	43.9355, -64.6940	7.2 fath
3	170,942	SH2_TS02	Saltwater Hunter	2024-10-24	43.9341, -64.6922	6.3 fath
4	26,088	BT_TS02	Bomp n Tom	2024-08-27	43.8224, -64.7782	6.2 fath
5	21,134	E8_TS03	Eagle 8	2024-09-06	44.0624, -64.5405	5.3 fath

Overall 2024 Analysis

Season effort and coverage. The 2024 program ran 42 surveys across 16 unique dates from August 15 through November 2, totaling 324 transects — roughly twice the 2425 effort. Five vessels participated: , Atlantic Star, Bomp n Tom, Eagle 8, Saltwater Hunter, with Saltwater Hunter contributing the most transects (93) and Saltwater Hunter contributing the most biomass (738,569 cumulative NASC). Coverage spanned the south shore between Lockeport and Mahone Bay, with the heaviest density of transects in the central staging area.

Temporal pattern. Survey effort was distributed across August (66 transects), September (155), October (71), and November (32). The October pulse showed the highest peak readings of the season, including the dataset-wide maximum of 267,586 NASC at 43.93°N / 64.69°W on October 24 (Saltwater Hunter). November coverage was thin but produced a tightly clustered set of high readings consistent with active spawning aggregation.

Geographic findings. Three primary hot zones emerged. The central staging area (156 transects) around 43.93°N / 64.69°W produced the dataset's top three NASC readings in late October, all from a single Saltwater Hunter run on October 24. The northeast shelf (68 transects) around 44.05°N / 64.55°W held large but more dispersed schools through October. The southwestern shelf (64 transects) below 43.7°N showed mostly background-level readings, with a few meaningful concentrations in early September.

Vessel coordination. Multiple vessels worked overlapping windows in mid-September and early October, providing some replicated observations. The October 9-10 window saw three vessels independently survey the same general area, but with varying NASC results — likely indicating school movement between days rather than absence. The October 24 single-vessel run produced the season's biggest finds, underscoring the value of being in the right place at the right time during peak staging.

Recommendations for future seasons. First, prioritize the central staging area (43.93°N / 64.69°W) for late-October surveys; this is where the 2024 season produced its biggest hits and the schools are repeatedly aggregating there in shallow (~6-7 fathom) water. Second, the southwestern shelf below 43.7°N had relatively low return on effort; reducing transect density there would free vessel time for more productive zones. Third, the November coverage was light (only one date with high concentrations) — expanding November surveys would directly characterize the spawning event itself.

Spatial distribution by month

**All 2024 survey transects by month
bubble size proportional to NASC (sqrt-scaled)**

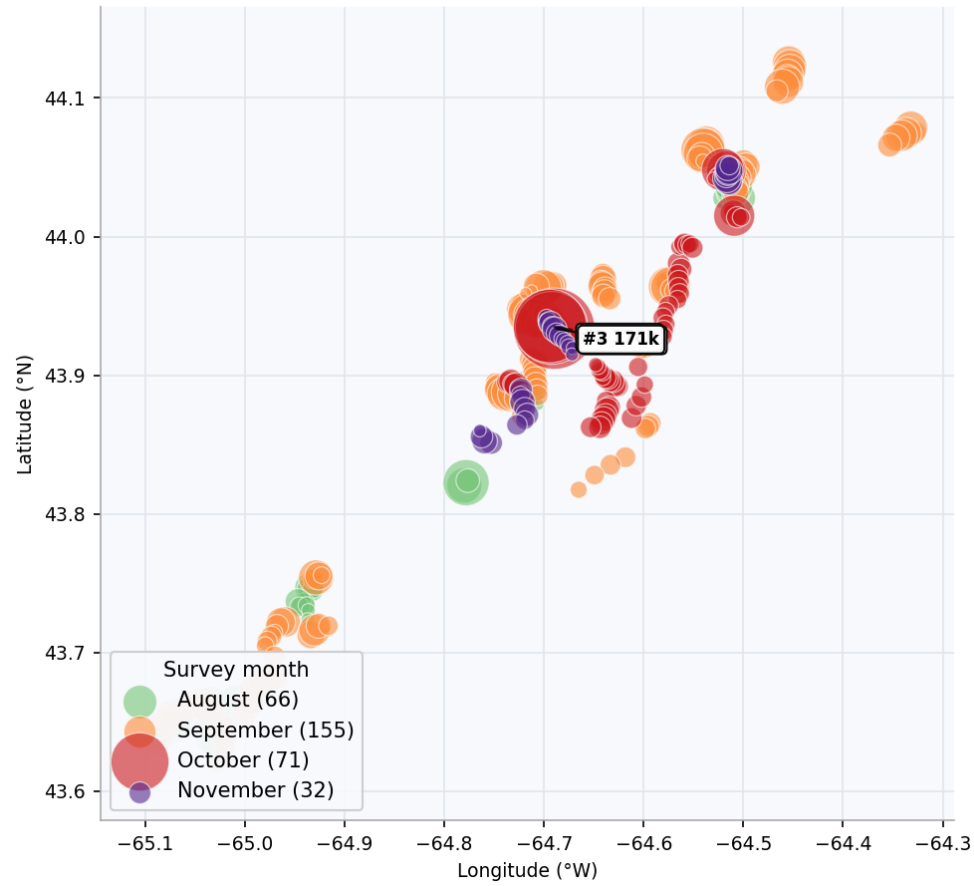


Figure A. All transect midpoints by survey month. Bubble size proportional to NASC (sqrt-scaled). Top 3 hottest readings labelled.

Biomass by month

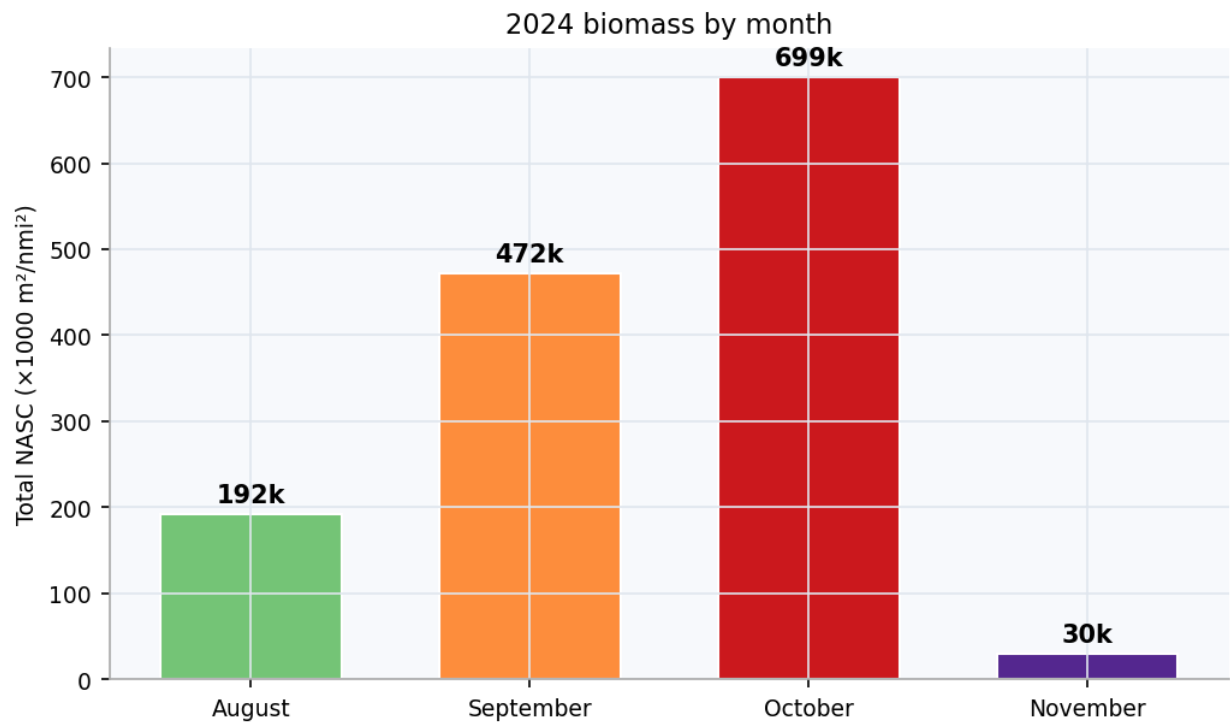


Figure B. Monthly total NASC across all 2024 surveys.

Concentration tiers by month

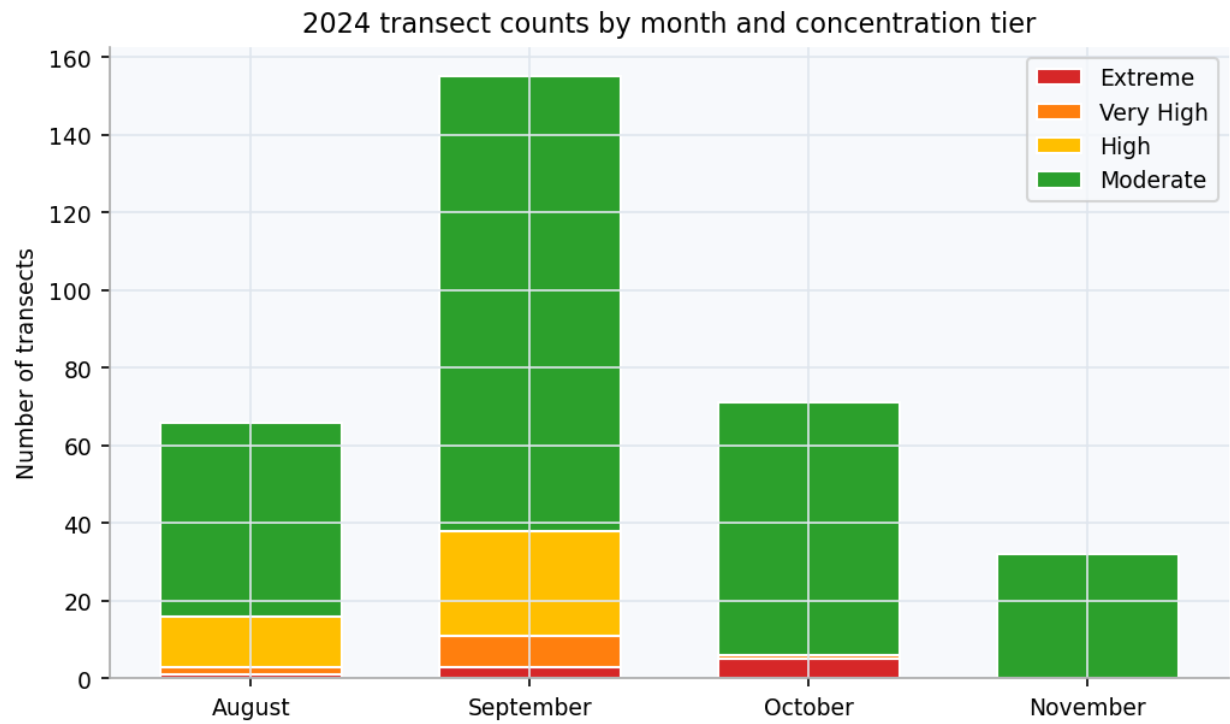


Figure C. Stacked-bar concentration tier counts by month.

Vessel effort and biomass

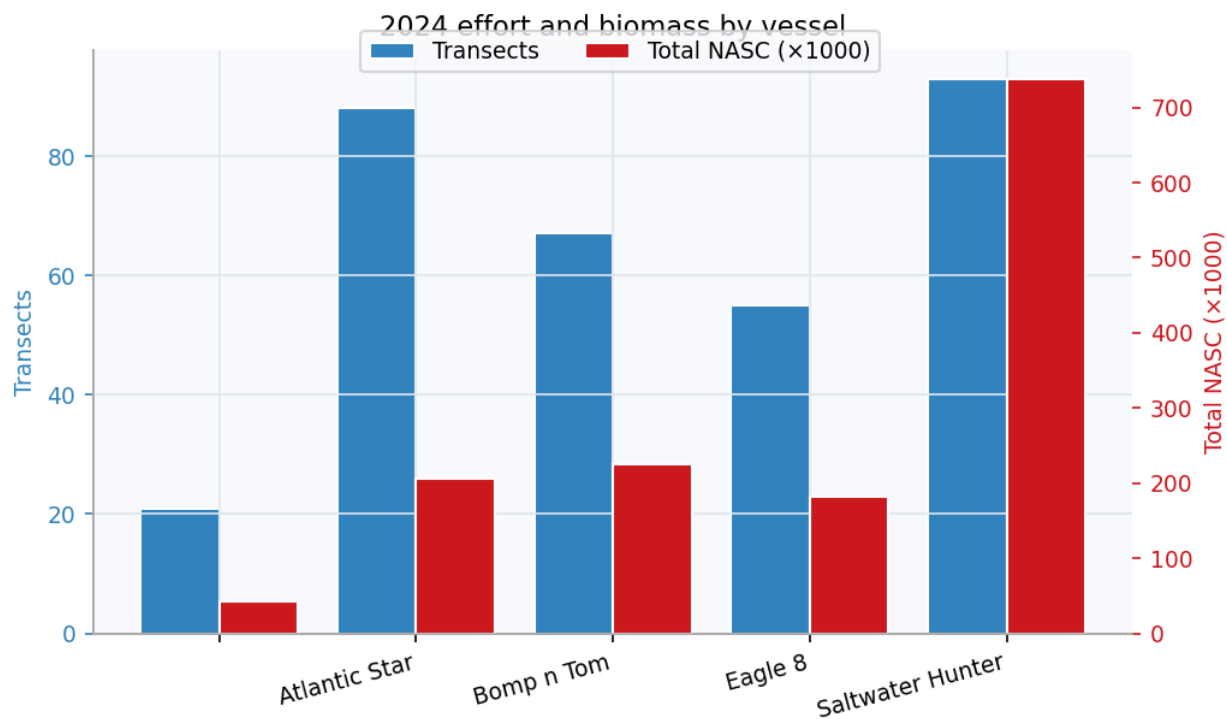


Figure D. Per-vessel summary: blue bars = transect counts, red bars = total NASC.

NASC vs depth

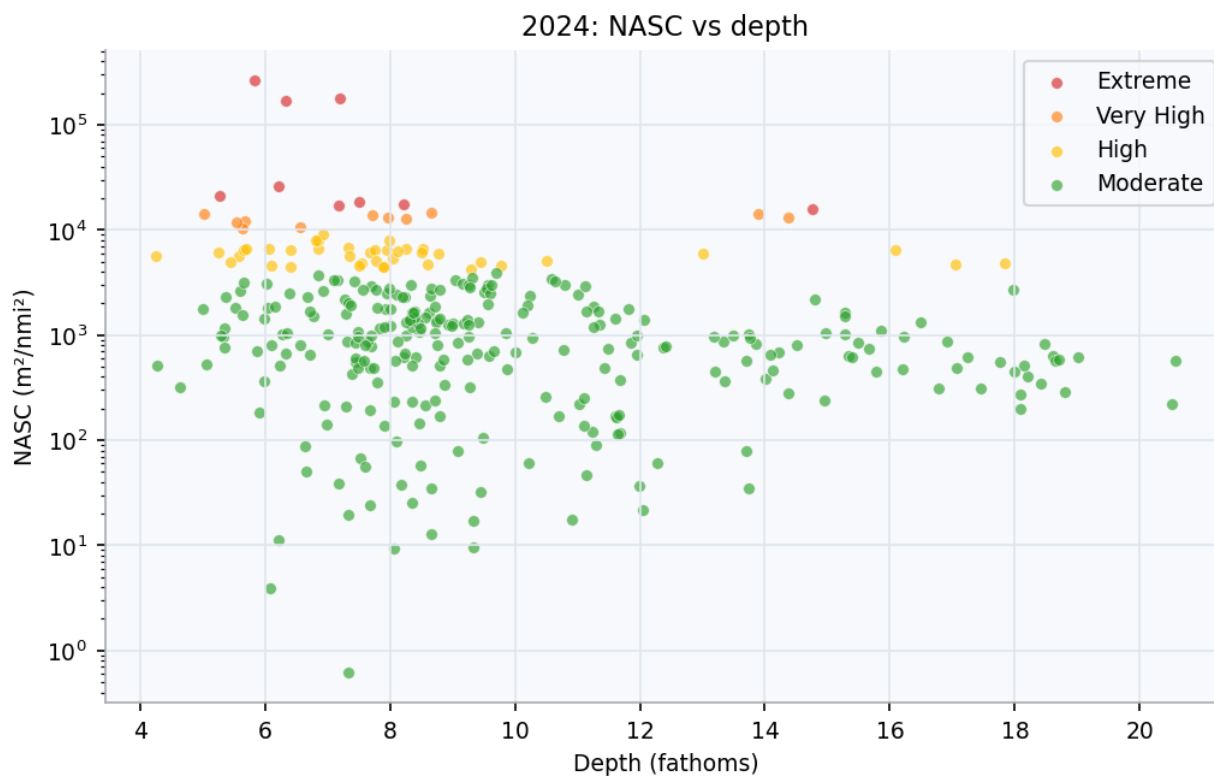


Figure E. NASC plotted against transect mean depth (fathoms) for all 2024 readings.

Daily NASC time series

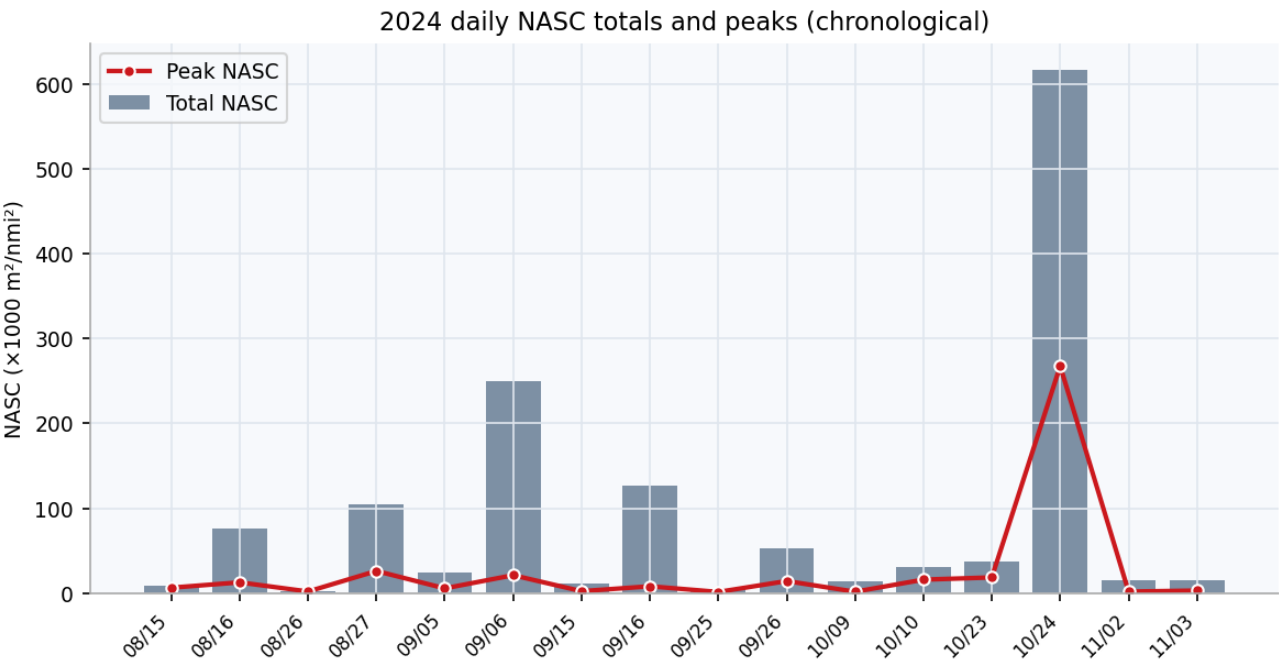


Figure F. Per-date totals (blue bars) and peak readings (red line) chronologically through 2024.

Per-Survey Reports

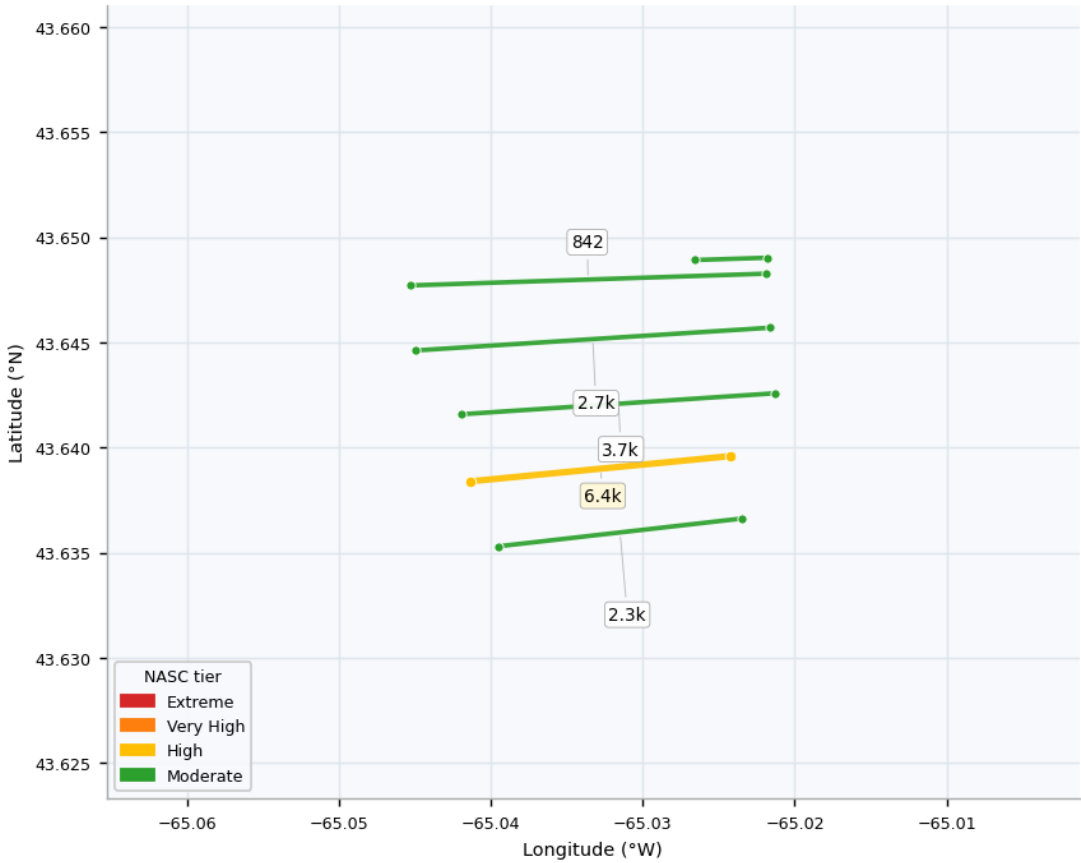
The remainder of this document presents one section per 2024 survey CSV, sorted chronologically. Each chart shows transects drawn as colored lines (color = NASC tier, line thickness scales with tier) with NASC values labelled at line midpoints. Up to 12 highest-NASC transects per survey are labelled to keep graphs readable. A brief summary of the survey is included with each.

SH_Aug16 — Saltwater Hunter

Date(s): 2024-08-15, 2024-08-16 · Transects: 6 · Total NASC: 15,943

Mean NASC	2,657	Avg depth	7.5 fath
Median NASC	2,479	Depth range	6.4-8.7 fath
Peak NASC	6,409	Lat range	43.6360-43.6490
Tiers	E:0 VH:0 H:1 M:5	Lon range	-65.0336--65.0242

Saltwater Hunter ran a 2-day survey in August 2024, covering 6 transects. Total NASC was 15,943 with a peak reading of 6,409 on SH_TS02 at 43.6390°N, 65.0328°W in 6.4 fathoms. Moderate-to-High readings only (17% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 7.5 fathoms (6.4-8.7 fathoms). The survey covered roughly 0.7 km E-W by 1.4 km N-S. Surveyed the southwestern shelf, typically lower-density feeding grounds.



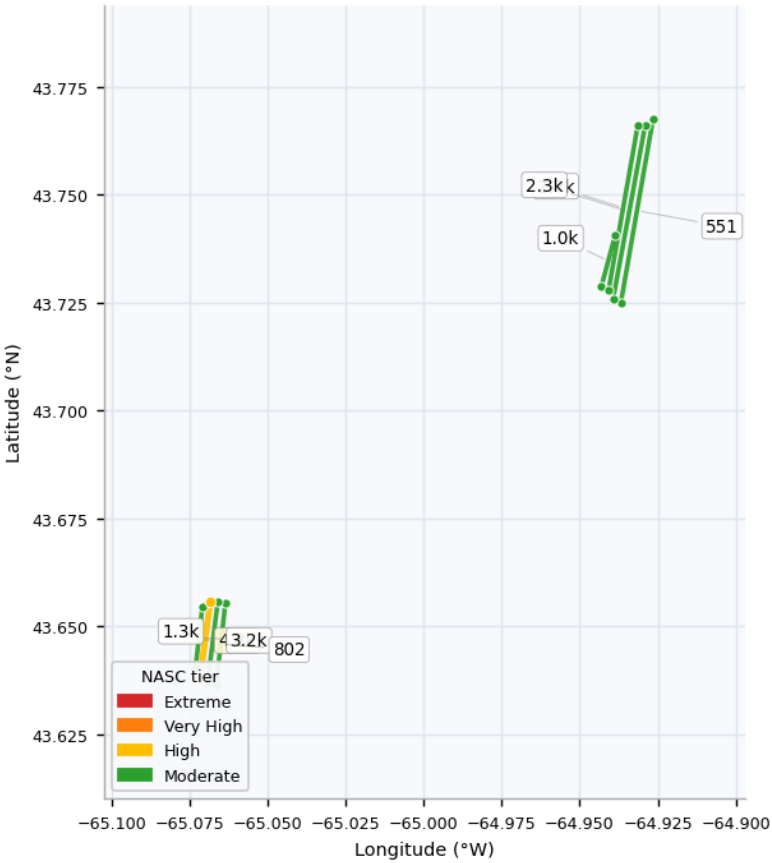
#	Region	NASC	Depth	Position
1	SH_TS02	6,409	6.4 fath	43.6390, -65.0328
2	SH_TS03	3,720	6.9 fath	43.6421, -65.0316
3	SH_TS04	2,673	7.6 fath	43.6452, -65.0333

AS_Aug16 — Atlantic Star

Date(s): 2024-08-16 · Transects: 8 · Total NASC: 16,716

Mean NASC	2,089	Avg depth	7.3 fath
Median NASC	1,810	Depth range	5.6-8.8 fath
Peak NASC	4,825	Lat range	43.6459-43.7470
Tiers	E:0 VH:0 H:1 M:7	Lon range	-65.0721--64.9316

Atlantic Star ran a August 2024 survey (16-08-2024) covering 8 transects. Total NASC was 16,716 with a peak reading of 4,825 on AS_TS02 at 43.6468°N, 65.0702°W in 7.5 fathoms. Moderate-to-High readings only (12% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 7.3 fathoms (5.6-8.8 fathoms). The survey covered roughly 11.0 km E-W by 11.2 km N-S. Surveyed the southwestern shelf, typically lower-density feeding grounds.



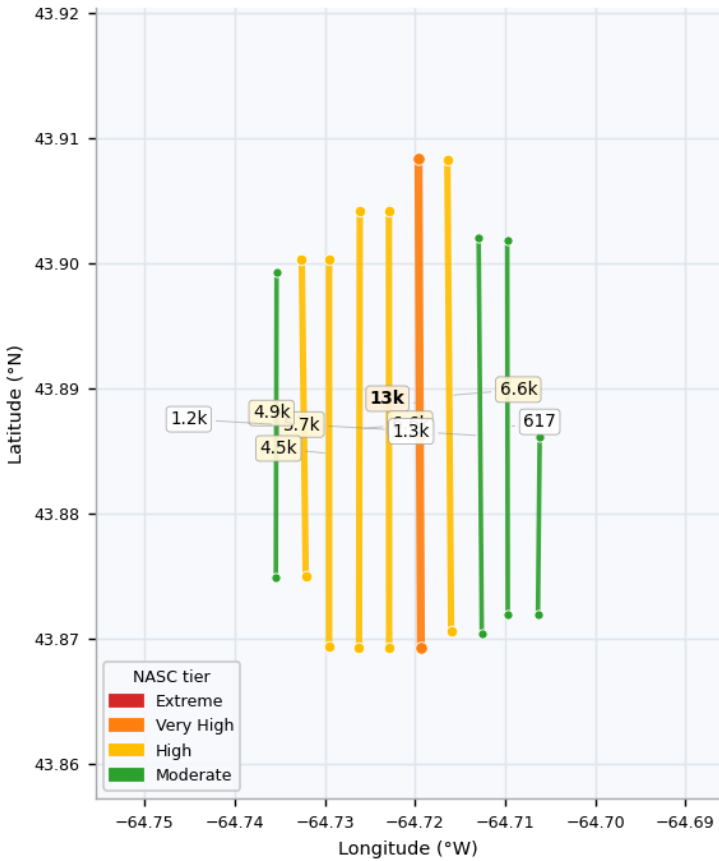
#	Region	NASC	Depth	Position
1	AS_TS02	4,825	7.5 fath	43.6468, -65.0702
2	AS_TS01	3,246	7.4 fath	43.6473, -65.0721
3	AS2_TS02	2,651	5.6 fath	43.7470, -64.9361

BT_Aug16 — Bomp n Tom

Date(s): 2024-08-16 · Transects: 10 · Total NASC: 44,124

Mean NASC	4,412	Avg depth	7.3 fath
Median NASC	4,728	Depth range	5.4-9.0 fath
Peak NASC	12,683	Lat range	43.8790-43.8894
Tiers	E:0 VH:1 H:5 M:4	Lon range	-64.7354--64.7063

Bomp n Tom ran a August 2024 survey (16-08-2024) covering 10 transects. Total NASC was 44,124 with a peak reading of 12,683 on BT_TS06 at 43.8888°N, 64.7195°W in 8.3 fathoms. 1 Very High reading but no Extreme tier hits — consistent with feeding/transit activity rather than a major aggregation. Mean working depth was 7.3 fathoms (5.4-9.0 fathoms). The survey covered roughly 2.3 km E-W by 1.2 km N-S. Centered on the November spawning bed area at 43.93°N / 64.72°W.



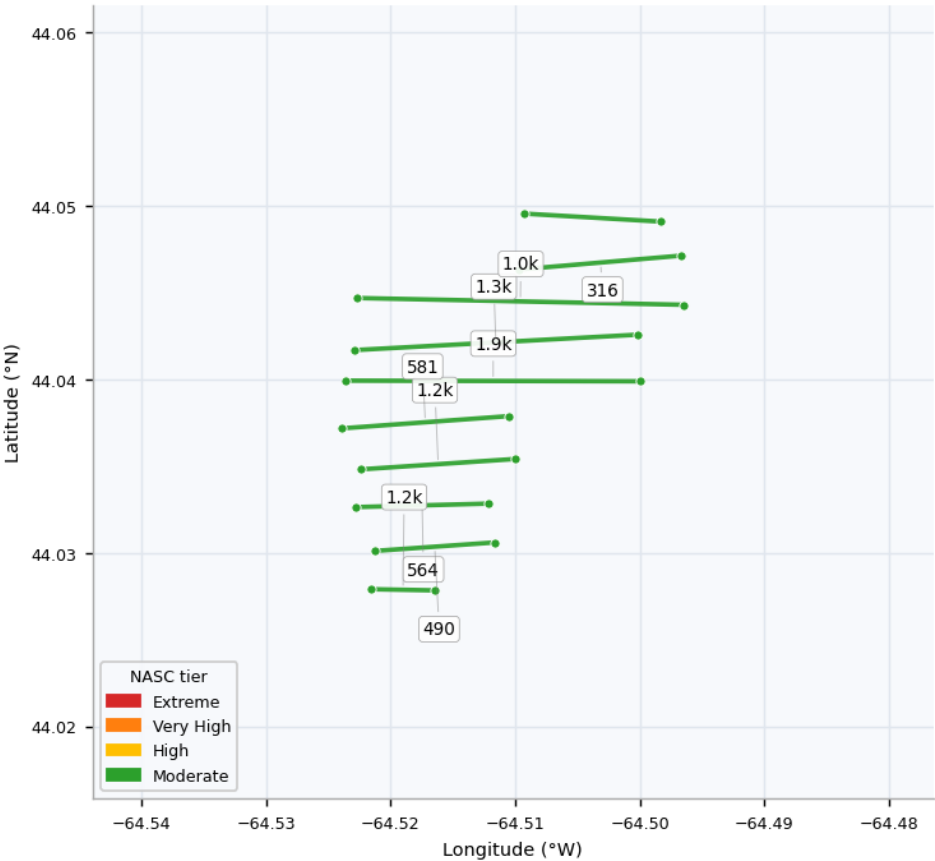
#	Region	NASC	Depth	Position
1	BT_TS06	12,683	8.3 fath	43.8888, -64.7195
2	BT_TS04	6,618	6.8 fath	43.8868, -64.7262
3	BT_TS07	6,578	8.5 fath	43.8894, -64.7162

E8_Aug16 — Eagle 8

Date(s): 2024-08-16 · Transects: 10 · Total NASC: 8,540

Mean NASC	854	Avg depth	8.5 fath
Median NASC	812	Depth range	7.6-9.3 fath
Peak NASC	1,850	Lat range	44.0279-44.0493
Tiers	E:0 VH:0 H:0 M:10	Lon range	-64.5190--64.5032

Eagle 8 ran a August 2024 survey (16-08-2024) covering 10 transects. Total NASC was 8,540 with a peak reading of 1,850 on E8_TS06 at 44.0399°N, 64.5118°W in 8.7 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 8.5 fathoms (7.6-9.3 fathoms). The survey covered roughly 1.2 km E-W by 2.4 km N-S. Worked the northeast staging area — this zone produced multiple Extreme readings during October.



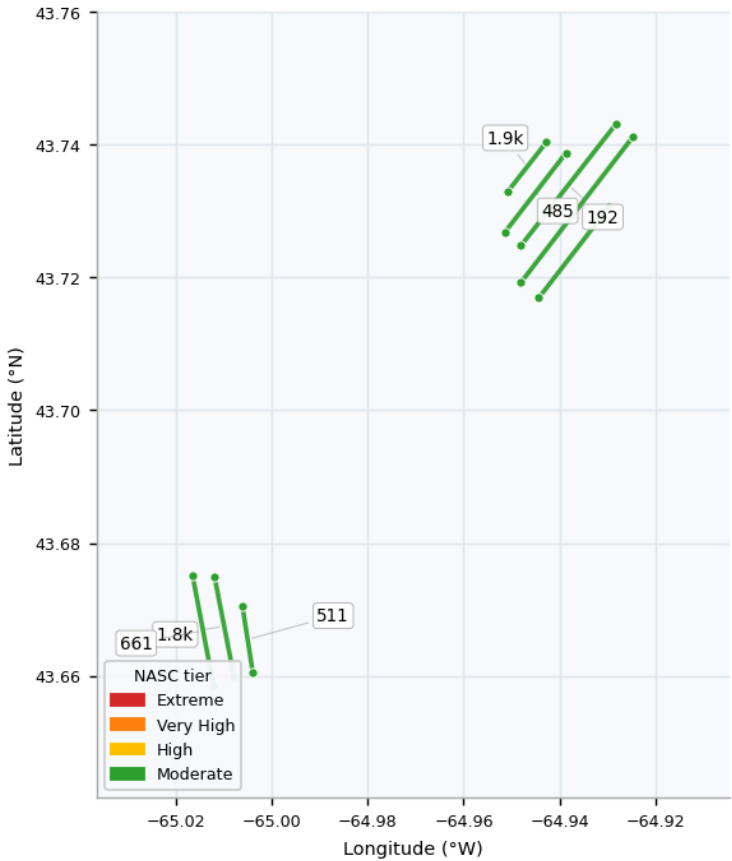
#	Region	NASC	Depth	Position
1	E8_TS06	1,850	8.7 fath	44.0399, -64.5118
2	E8_TS07	1,326	8.7 fath	44.0421, -64.5116
3	E8_TS04	1,201	7.9 fath	44.0351, -64.5162

SH_Aug27 — Saltwater Hunter

Date(s): 2024-08-26, 2024-08-27 · Transects: 8 · Total NASC: 5,572

Mean NASC	696	Avg depth	8.0 fath
Median NASC	498	Depth range	7.4-8.7 fath
Peak NASC	1,903	Lat range	43.6655-43.7367
Tiers	E:0 VH:0 H:0 M:8	Lon range	-65.0143--64.9364

Saltwater Hunter ran a 2-day survey in August 2024, covering 8 transects. Total NASC was 5,572 with a peak reading of 1,903 on SH_TS01 at 43.7367°N, 64.9468°W in 7.4 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 8.0 fathoms (7.4-8.7 fathoms). The survey covered roughly 6.1 km E-W by 7.9 km N-S.



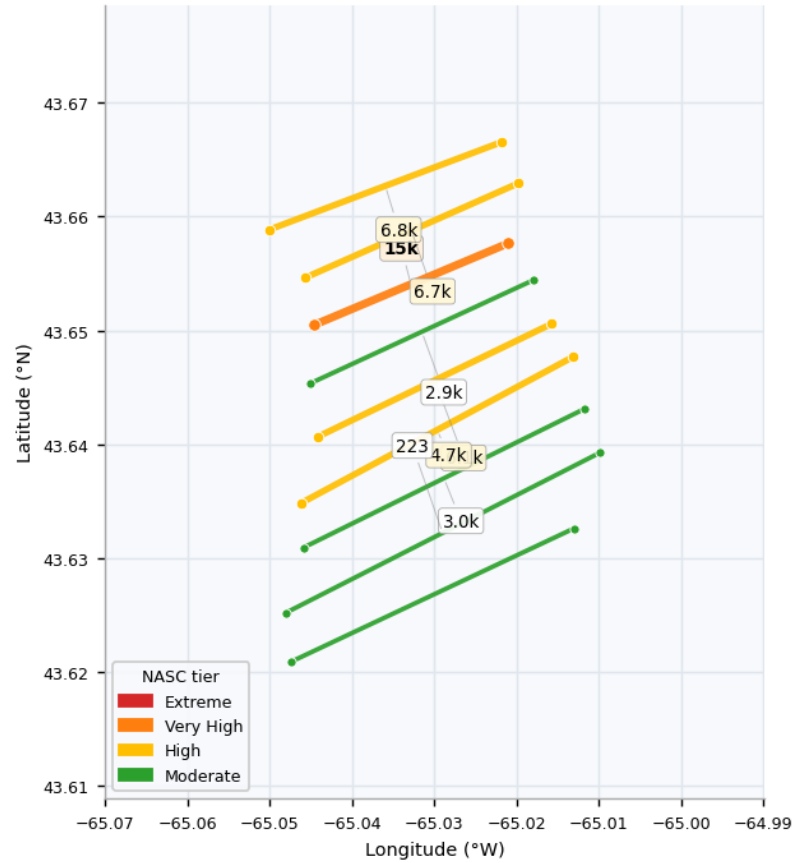
#	Region	NASC	Depth	Position
1	SH_TS01	1,903	7.4 fath	43.7367, -64.9468
2	SH2_TS02	1,760	7.9 fath	43.6675, -65.0099
3	SH2_TS01	661	8.2 fath	43.6668, -65.0143

AS_Aug27-2 — Atlantic Star

Date(s): 2024-08-27 · Transects: 9 · Total NASC: 45,085

Mean NASC	5,009	Avg depth	9.0 fath
Median NASC	4,745	Depth range	7.3-12.0 fath
Peak NASC	14,617	Lat range	43.6268-43.6627
Tiers	E:0 VH:1 H:4 M:4	Lon range	-65.0359--65.0288

Atlantic Star ran a August 2024 survey (27-08-2024) covering 9 transects. Total NASC was 45,085 with a peak reading of 14,617 on AS2_TS03 at 43.6541°N, 65.0328°W in 8.7 fathoms. 1 Very High reading but no Extreme tier hits — consistent with feeding/transit activity rather than a major aggregation. Mean working depth was 9.0 fathoms (7.3-12.0 fathoms). The survey covered roughly 0.6 km E-W by 4.0 km N-S. Surveyed the southwestern shelf, typically lower-density feeding grounds.



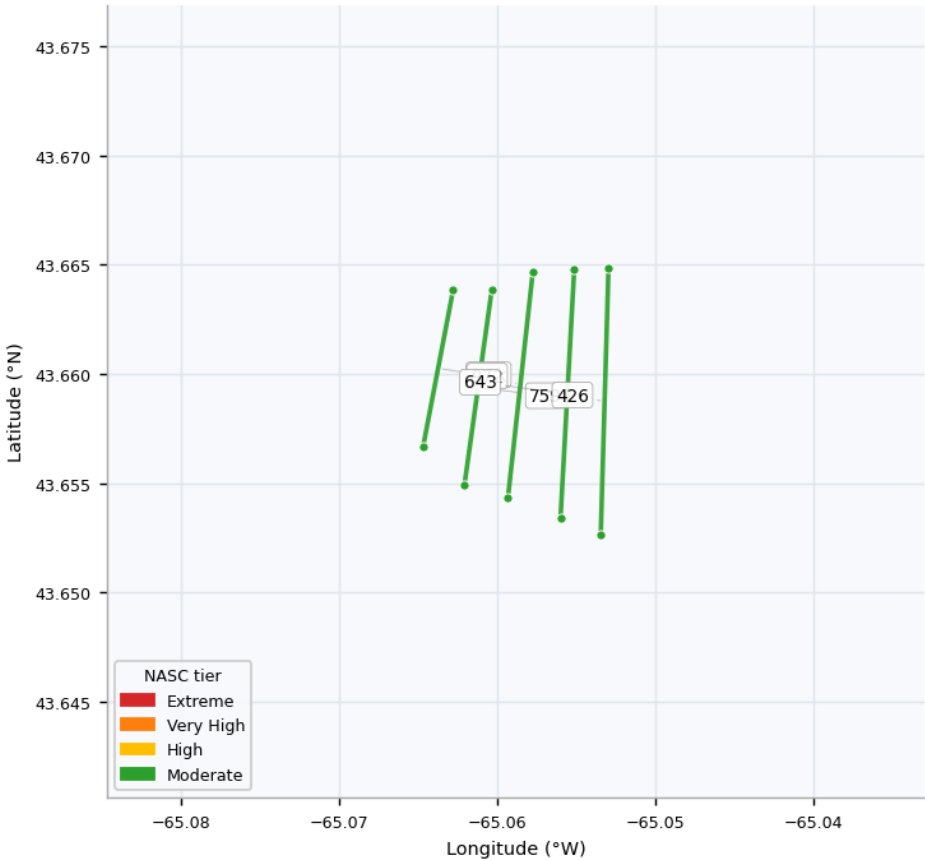
#	Region	NASC	Depth	Position
1	AS2_TS03	14,617	8.7 fath	43.6541, -65.0328
2	AS2_TS01	6,813	7.3 fath	43.6627, -65.0359
3	AS2_TS02	6,671	8.3 fath	43.6588, -65.0328

AS_Aug27 — Atlantic Star

Date(s): 2024-08-27 · Transects: 5 · Total NASC: 5,882

Mean NASC	1,176	Avg depth	6.2 fath
Median NASC	759	Depth range	5.3-7.4 fath
Peak NASC	3,083	Lat range	43.6587-43.6603
Tiers	E:0 VH:0 H:0 M:5	Lon range	-65.0637--65.0532

Atlantic Star ran a August 2024 survey (27-08-2024) covering 5 transects. Total NASC was 5,882 with a peak reading of 3,083 on AS_TS03 at 43.6595°N, 65.0585°W in 6.0 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 6.2 fathoms (5.3-7.4 fathoms). The survey covered roughly 0.8 km E-W by 0.2 km N-S. Surveyed the southwestern shelf, typically lower-density feeding grounds.



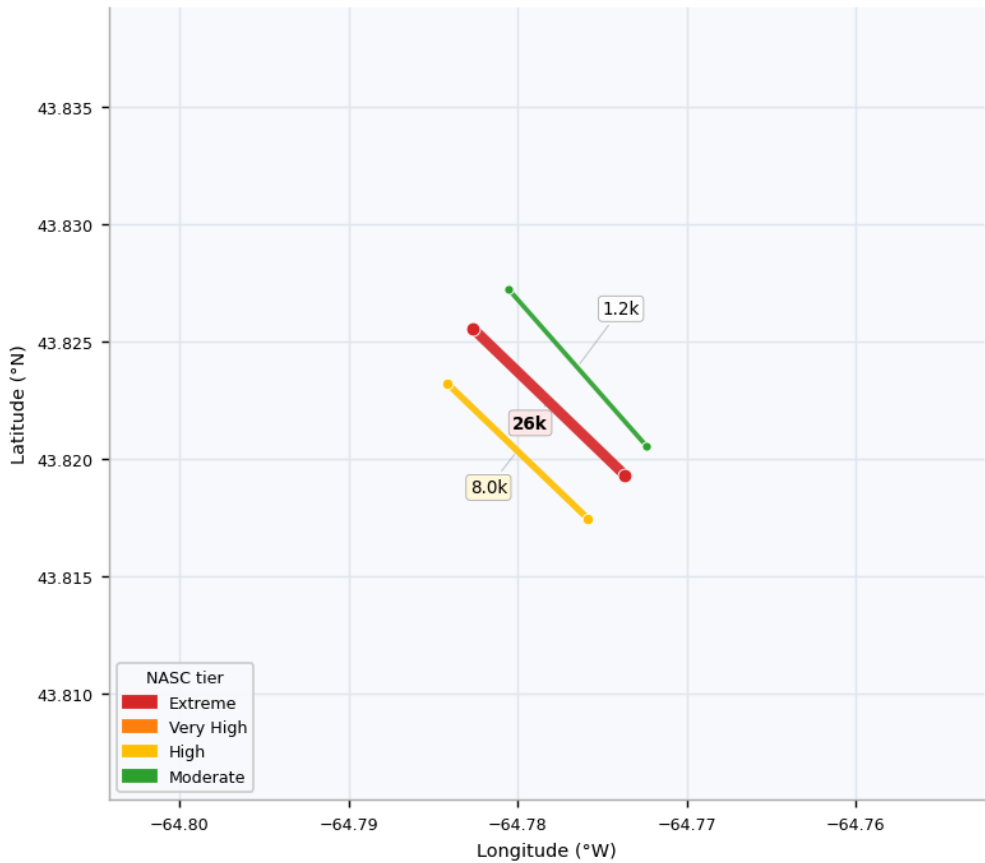
#	Region	NASC	Depth	Position
1	AS_TS03	3,083	6.0 fath	43.6595, -65.0585
2	AS_TS01	972	5.3 fath	43.6603, -65.0637
3	AS_TS02	759	5.4 fath	43.6594, -65.0612

BT_Aug27 — Bomp n Tom

Date(s): 2024-08-27 · Transects: 3 · Total NASC: 35,288

Mean NASC	11,763	Avg depth	7.0 fath
Median NASC	7,972	Depth range	6.2-8.0 fath
Peak NASC	26,088	Lat range	43.8203-43.8239
Tiers	E:1 VH:0 H:1 M:1	Lon range	-64.7800--64.7765

Bomp n Tom ran a August 2024 survey (27-08-2024) covering 3 transects. Total NASC was 35,288 with a peak reading of 26,088 on BT_TS02 at 43.8224°N, 64.7782°W in 6.2 fathoms. 1 transect hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 7.0 fathoms (6.2-8.0 fathoms). The survey covered roughly 0.3 km E-W by 0.4 km N-S.



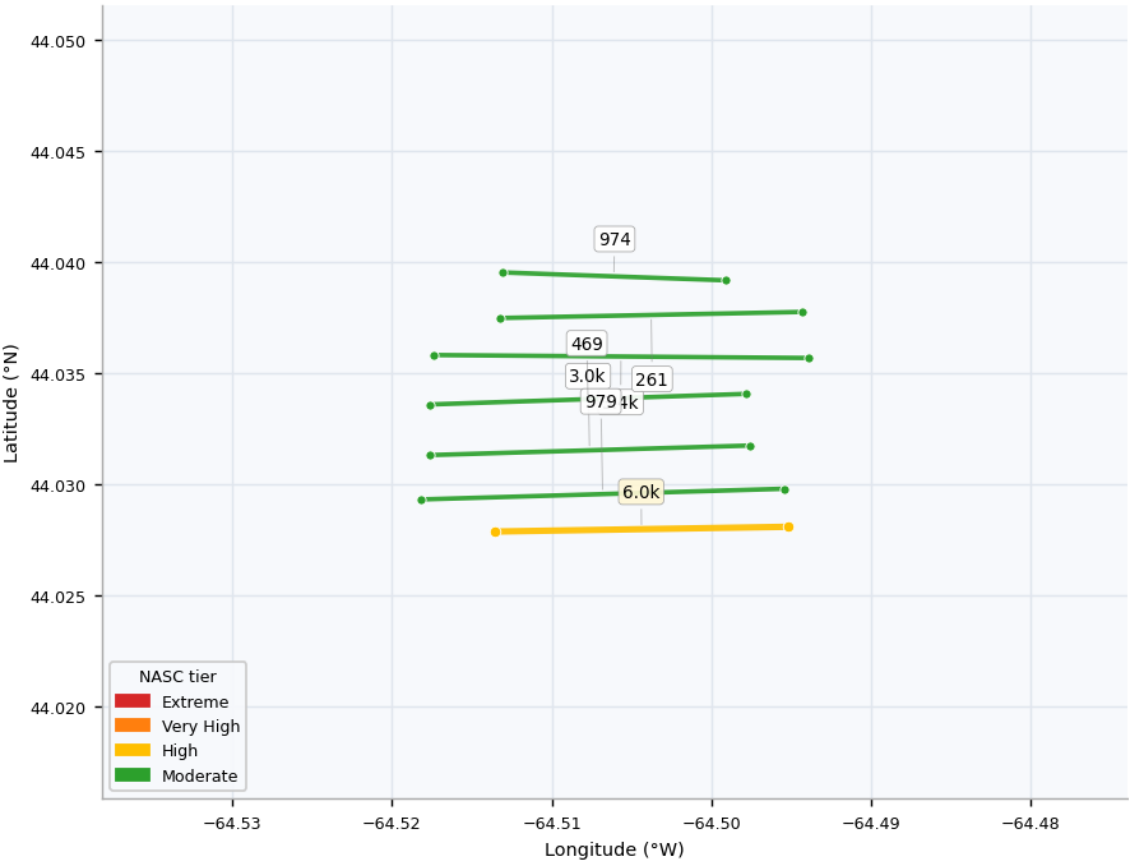
#	Region	NASC	Depth	Position
1	BT_TS02	26,088	6.2 fath	43.8224, -64.7782
2	BT_TS01	7,972	6.9 fath	43.8203, -64.7800
3	BT_TS03	1,228	8.0 fath	43.8239, -64.7765

E8_Aug27 — Eagle 8

Date(s): 2024-08-27 · Transects: 7 · Total NASC: 15,113

Mean NASC	2,159	Avg depth	10.9 fath
Median NASC	979	Depth range	9.3-13.0 fath
Peak NASC	6,015	Lat range	44.0280-44.0393
Tiers	E:0 VH:0 H:1 M:6	Lon range	-64.5077--64.5038

Eagle 8 ran a August 2024 survey (27-08-2024) covering 7 transects. Total NASC was 15,113 with a peak reading of 6,015 on EVIII_TS01 at 44.0280°N, 64.5044°W in 13.0 fathoms. Moderate-to-High readings only (14% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 10.9 fathoms (9.3-13.0 fathoms). The survey covered roughly 0.3 km E-W by 1.3 km N-S. Worked the northeast staging area — this zone produced multiple Extreme readings during October.



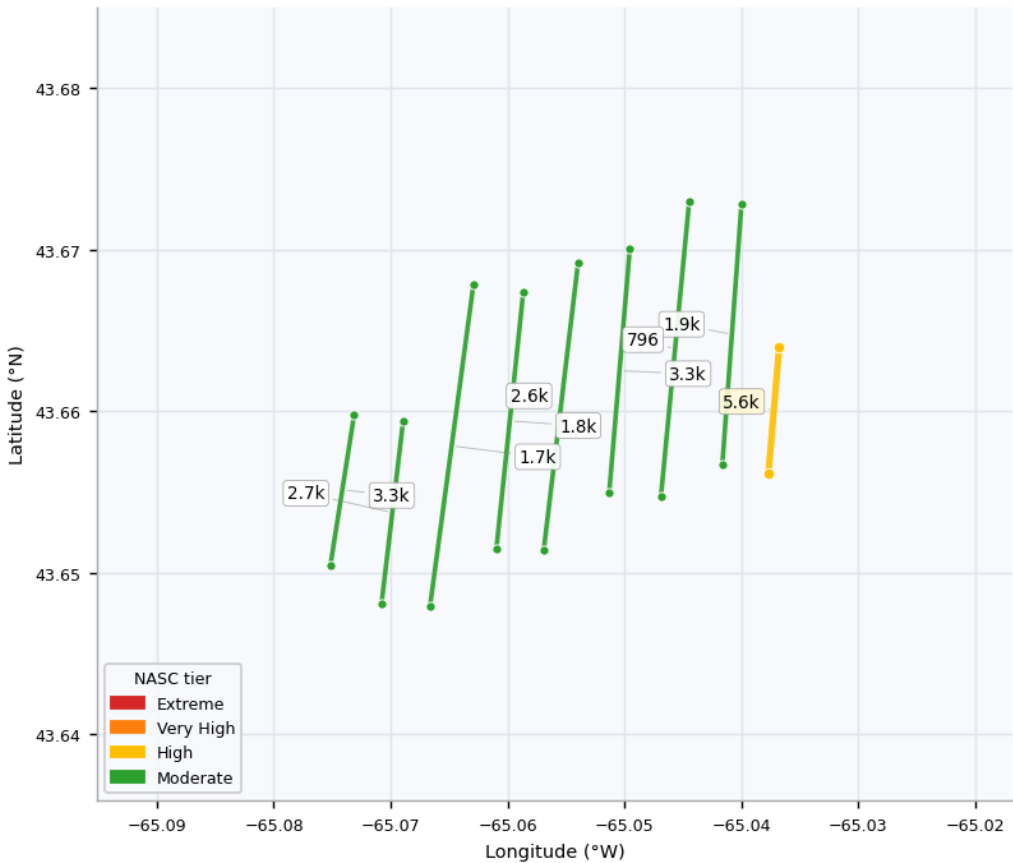
#	Region	NASC	Depth	Position
1	EVIII_TS01	6,015	13.0 fath	44.0280, -64.5044
2	EVIII_TS05	3,441	10.6 fath	44.0357, -64.5057
3	EVIII_TS03	2,975	10.8 fath	44.0315, -64.5076

SH_Sep06 — Saltwater Hunter

Date(s): 2024-09-05 · Transects: 9 · Total NASC: 23,771

Mean NASC	2,641	Avg depth	6.6 fath
Median NASC	2,639	Depth range	4.3-7.8 fath
Peak NASC	5,629	Lat range	43.6537-43.6648
Tiers	E:0 VH:0 H:1 M:8	Lon range	-65.0741--65.0372

Saltwater Hunter ran a September 2024 survey (05-09-2024) covering 9 transects. Total NASC was 23,771 with a peak reading of 5,629 on SH_TS09 at 43.6601°N, 65.0372°W in 4.3 fathoms. Moderate-to-High readings only (11% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 6.6 fathoms (4.3-7.8 fathoms). The survey covered roughly 2.9 km E-W by 1.2 km N-S. Surveyed the southwestern shelf, typically lower-density feeding grounds.



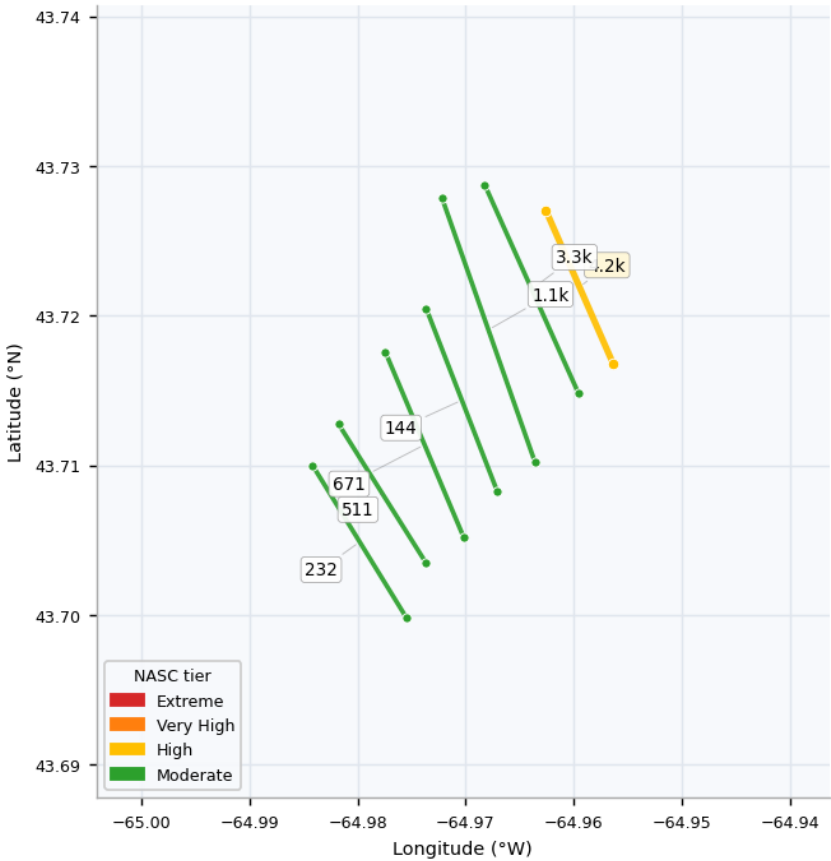
#	Region	NASC	Depth	Position
1	SH_TS09	5,629	4.3 fath	43.6601, -65.0372
2	SH_TS01	3,316	7.2 fath	43.6552, -65.0741
3	SH_TS06	3,298	7.1 fath	43.6625, -65.0504

AS_Sep06-2 — Unknown

Date(s): 2024-09-06 · Transects: 7 · Total NASC: 10,185

Mean NASC	1,455	Avg depth	8.0 fath
Median NASC	671	Depth range	6.2-9.3 fath
Peak NASC	4,215	Lat range	43.7049-43.7219
Tiers	E:0 VH:0 H:1 M:6	Lon range	-64.9798--64.9595

an unknown vessel ran a September 2024 survey (06-09-2024) covering 7 transects. Total NASC was 10,185 with a peak reading of 4,215 on AS2_TS01 at 43.7219°N, 64.9595°W in 9.3 fathoms. Moderate-to-High readings only (14% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 8.0 fathoms (6.2-9.3 fathoms). The survey covered roughly 1.6 km E-W by 1.9 km N-S.



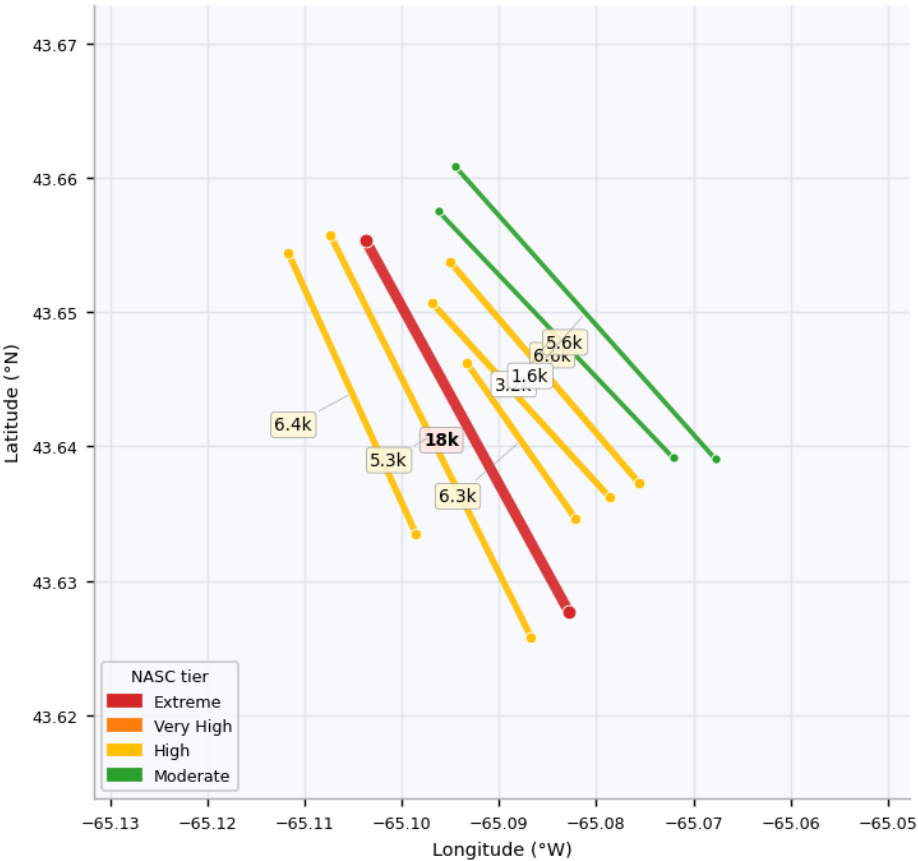
#	Region	NASC	Depth	Position
1	AS2_TS01	4,215	9.3 fath	43.7219, -64.9595
2	AS2_TS02	3,341	9.0 fath	43.7218, -64.9639
3	AS2_TS03	1,072	8.5 fath	43.7191, -64.9679

AS_Sep06 — Atlantic Star

Date(s): 2024-09-06 · Transects: 8 · Total NASC: 52,590

Mean NASC	6,574	Avg depth	7.1 fath
Median NASC	5,931	Depth range	5.6-8.2 fath
Peak NASC	17,614	Lat range	43.6404-43.6499
Tiers	E:1 VH:0 H:5 M:2	Lon range	-65.1051--65.0811

Atlantic Star ran a September 2024 survey (06-09-2024) covering 8 transects. Total NASC was 52,590 with a peak reading of 17,614 on AS_TS03 at 43.6415°N, 65.0933°W in 8.2 fathoms. 1 transect hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 7.1 fathoms (5.6-8.2 fathoms). The survey covered roughly 1.9 km E-W by 1.1 km N-S. Surveyed the southwestern shelf, typically lower-density feeding grounds.



#	Region	NASC	Depth	Position
1	AS_TS03	17,614	8.2 fath	43.6415, -65.0933
2	AS_TS05	6,581	6.1 fath	43.6435, -65.0878
3	AS_TS01	6,450	7.9 fath	43.6440, -65.1051

BT_Sep06-2 — Bomp n Tom

Date(s): 2024-09-06 · Transects: 9 · Total NASC: 38,450

Mean NASC	4,272	Avg depth	5.8 fath
Median NASC	2,494	Depth range	4.6-7.0 fath
Peak NASC	12,089	Lat range	43.8709-43.8951
Tiers	E:0 VH:1 H:3 M:5	Lon range	-64.7494--64.7212

Bomp n Tom ran a September 2024 survey (06-09-2024) covering 9 transects. Total NASC was 38,450 with a peak reading of 12,089 on BT2_TS05 at 43.8877°N, 64.7335°W in 5.7 fathoms. 1 Very High reading but no Extreme tier hits — consistent with feeding/transit activity rather than a major aggregation. Mean working depth was 5.8 fathoms (4.6-7.0 fathoms). The survey covered roughly 2.2 km E-W by 2.7 km N-S. Centered on the November spawning bed area at 43.93°N / 64.72°W.



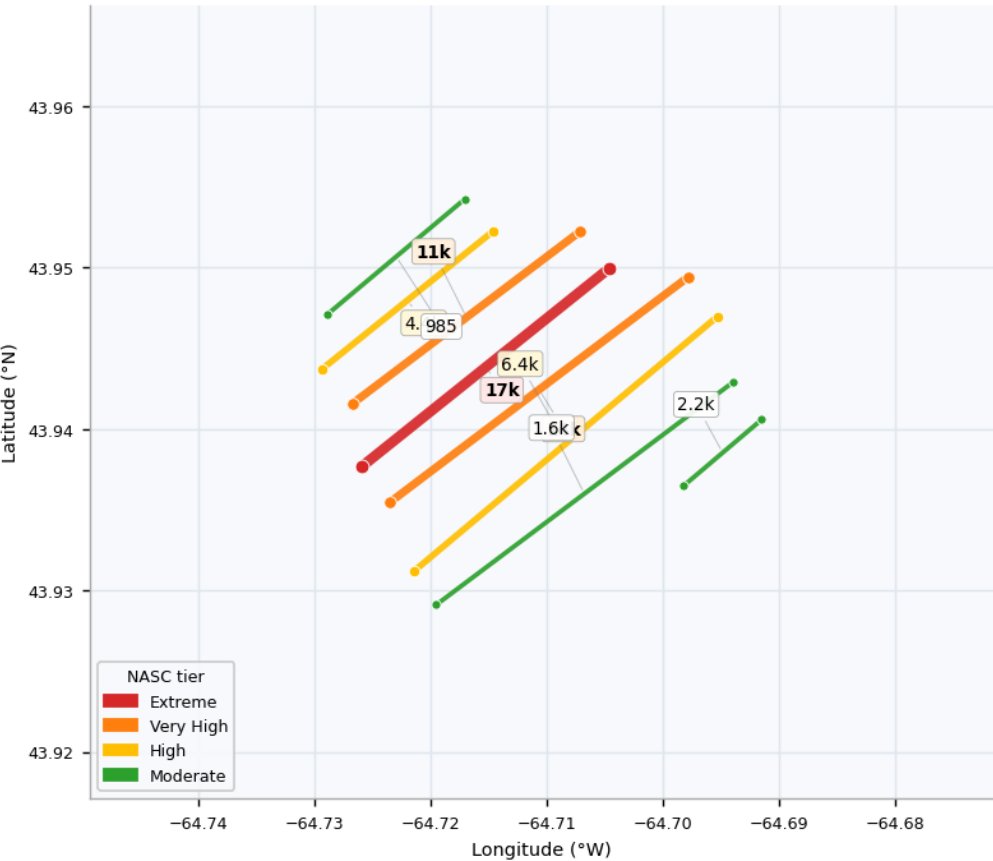
#	Region	NASC	Depth	Position
1	BT2_TS05	12,089	5.7 fath	43.8877, -64.7335
2	BT2_TS06	6,690	5.7 fath	43.8865, -64.7297
3	BT2_TS04	6,502	5.7 fath	43.8864, -64.7403

BT_Sep06 — Bomp n Tom

Date(s): 2024-09-06 · Transects: 8 · Total NASC: 57,148

Mean NASC	7,144	Avg depth	7.1 fath
Median NASC	5,407	Depth range	5.3-8.6 fath
Peak NASC	17,167	Lat range	43.9360-43.9507
Tiers	E:1 VH:2 H:2 M:3	Lon range	-64.7230--64.6949

Bomp n Tom ran a September 2024 survey (06-09-2024) covering 8 transects. Total NASC was 57,148 with a peak reading of 17,167 on BT_TS04 at 43.9438°N, 64.7153°W in 7.2 fathoms. 1 transect hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 7.1 fathoms (5.3-8.6 fathoms). The survey covered roughly 2.2 km E-W by 1.6 km N-S. Centered on the November spawning bed area at 43.93°N / 64.72°W.



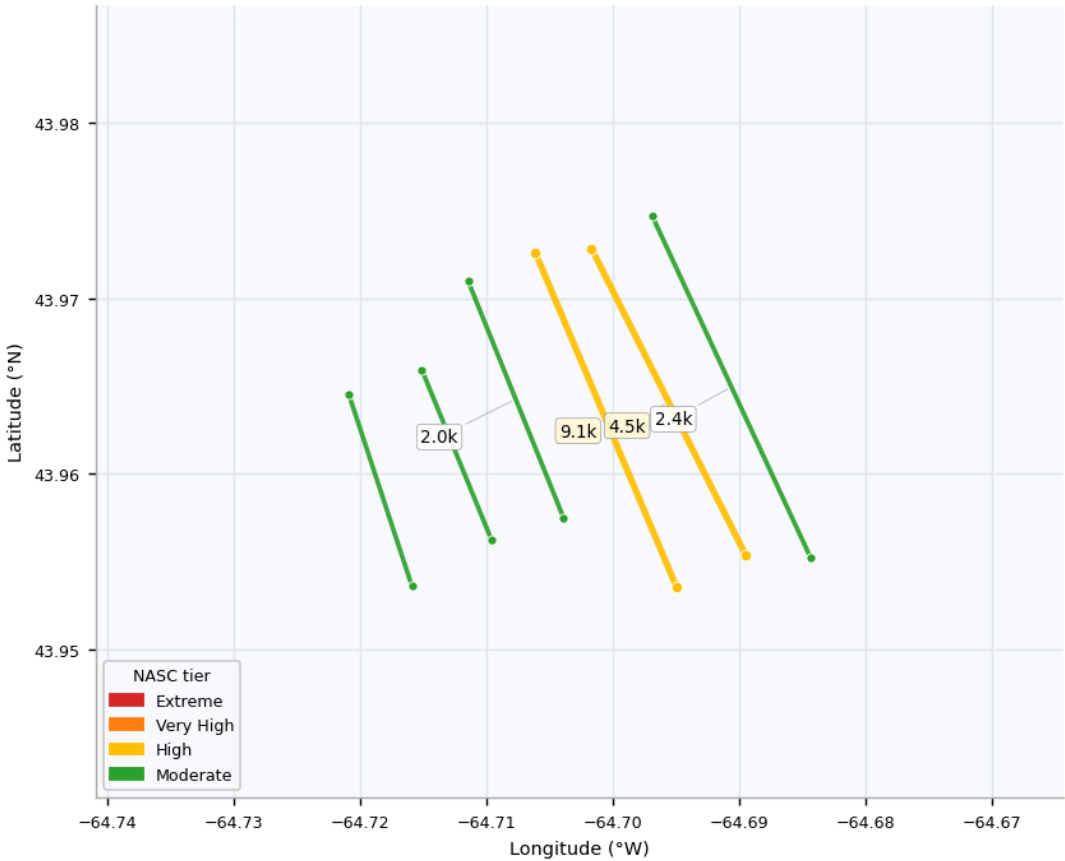
#	Region	NASC	Depth	Position
1	BT_TS04	17,167	7.2 fath	43.9438, -64.7153
2	BT_TS05	13,820	7.7 fath	43.9424, -64.7107
3	BT_TS03	10,575	6.6 fath	43.9469, -64.7169

E2_Sep06 — Unknown

Date(s): 2024-09-06 · Transects: 6 · Total NASC: 18,006

Mean NASC	3,001	Avg depth	7.3 fath
Median NASC	2,201	Depth range	6.1-8.6 fath
Peak NASC	9,079	Lat range	43.9591-43.9650
Tiers	E:0 VH:0 H:2 M:4	Lon range	-64.7184--64.6906

an unknown vessel ran a September 2024 survey (06-09-2024) covering 6 transects. Total NASC was 18,006 with a peak reading of 9,079 on EII_TS03 at 43.9631°N, 64.7005°W in 6.9 fathoms. Moderate-to-High readings only (33% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 7.3 fathoms (6.1-8.6 fathoms). The survey covered roughly 2.2 km E-W by 0.7 km N-S.



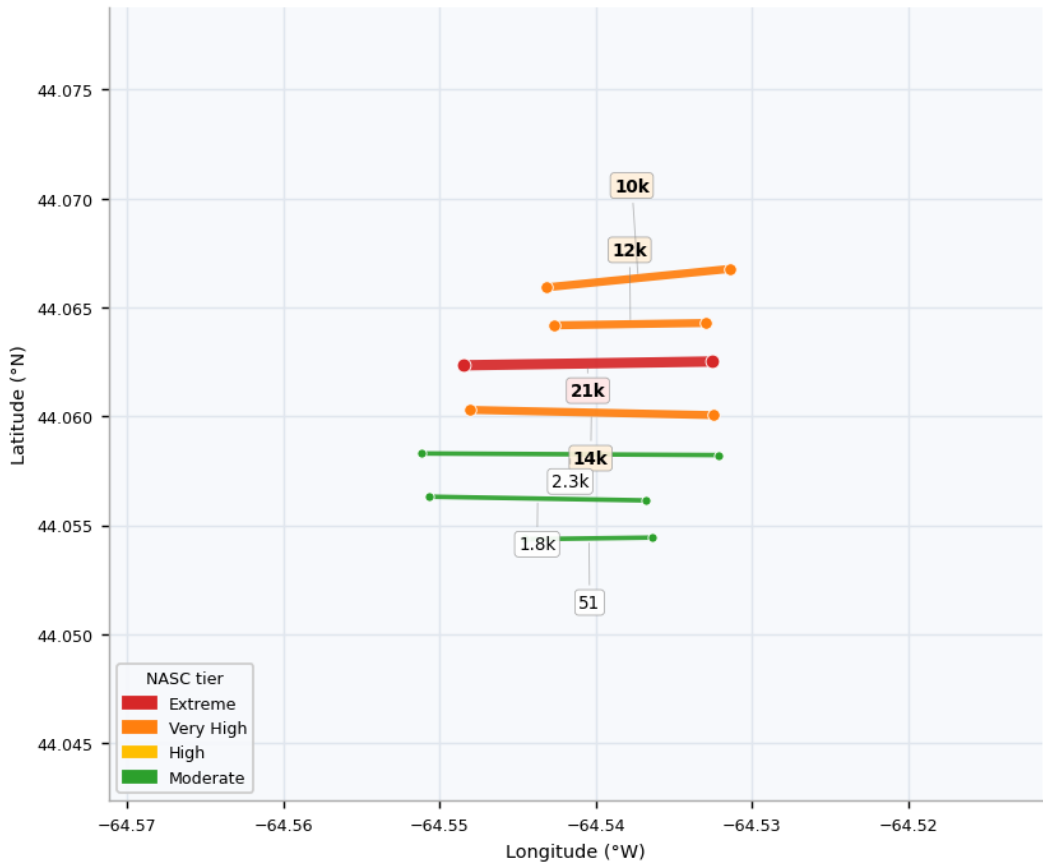
#	Region	NASC	Depth	Position
1	EII_TS03	9,079	6.9 fath	43.9631, -64.7005
2	EII_TS02	4,522	7.5 fath	43.9641, -64.6956
3	EII_TS01	2,398	8.6 fath	43.9650, -64.6906

E8_Sep06 — Eagle 8

Date(s): 2024-09-06 · Transects: 7 · Total NASC: 61,545

Mean NASC	8,792	Avg depth	5.6 fath
Median NASC	10,417	Depth range	5.0-6.7 fath
Peak NASC	21,134	Lat range	44.0544-44.0663
Tiers	E:1 VH:3 H:0 M:3	Lon range	-64.5437--64.5373

Eagle 8 ran a September 2024 survey (06-09-2024) covering 7 transects. Total NASC was 61,545 with a peak reading of 21,134 on E8_TS03 at 44.0624°N, 64.5405°W in 5.3 fathoms. 1 transect hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 5.6 fathoms (5.0-6.7 fathoms). The survey covered roughly 0.5 km E-W by 1.3 km N-S. Worked the northeast staging area — this zone produced multiple Extreme readings during October.



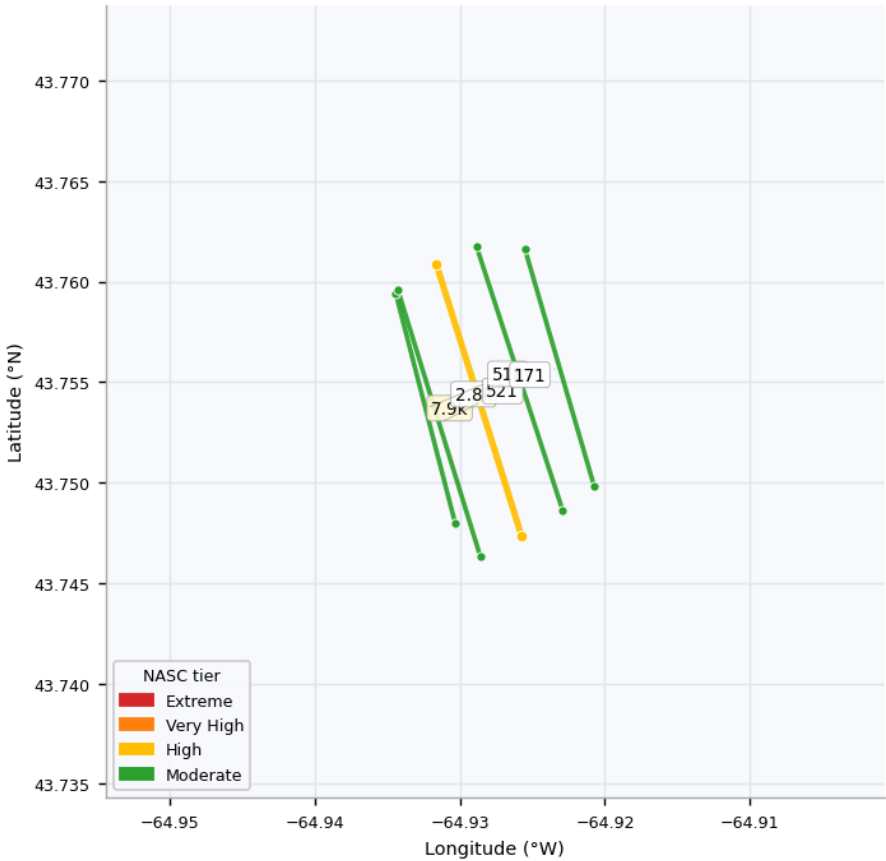
#	Region	NASC	Depth	Position
1	E8_TS03	21,134	5.3 fath	44.0624, -64.5405
2	E8_TS04	14,065	5.0 fath	44.0602, -64.5403
3	E8_TS02	11,737	5.6 fath	44.0642, -64.5378

SH_Sep06-2 — Saltwater Hunter

Date(s): 2024-09-06 · Transects: 5 · Total NASC: 11,957

Mean NASC	2,391	Avg depth	6.6 fath
Median NASC	521	Depth range	4.3-8.8 fath
Peak NASC	7,937	Lat range	43.7529-43.7557
Tiers	E:0 VH:0 H:1 M:4	Lon range	-64.9324--64.9231

Saltwater Hunter ran a September 2024 survey (06-09-2024) covering 5 transects. Total NASC was 11,957 with a peak reading of 7,937 on SH2_TS03 at 43.7541°N, 64.9287°W in 6.8 fathoms. Moderate-to-High readings only (20% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 6.6 fathoms (4.3-8.8 fathoms). The survey covered roughly 0.7 km E-W by 0.3 km N-S.



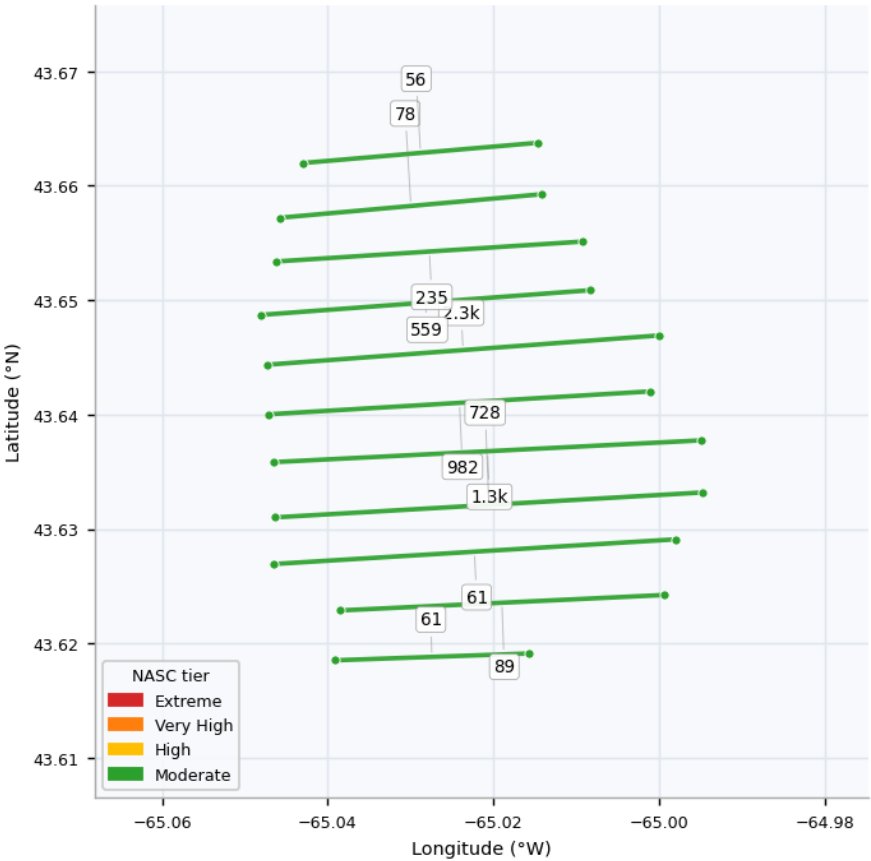
#	Region	NASC	Depth	Position
1	SH2_TS03	7,937	6.8 fath	43.7541, -64.9287
2	SH2_TS04	2,809	8.0 fath	43.7552, -64.9259
3	SH2_TS02	521	5.1 fath	43.7529, -64.9314

AS_Sep16 — Atlantic Star

Date(s): 2024-09-15, 2024-09-16 · Transects: 11 · Total NASC: 6,464

Mean NASC	588	Avg depth	9.4 fath
Median NASC	235	Depth range	7.4-12.3 fath
Peak NASC	2,287	Lat range	43.6188-43.6629
Tiers	E:0 VH:0 H:0 M:11	Lon range	-65.0300--65.0190

Atlantic Star ran a 2-day survey in September 2024, covering 11 transects. Total NASC was 6,464 with a peak reading of 2,287 on AS_TS05 at 43.6456°N, 65.0237°W in 8.2 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 9.4 fathoms (7.4-12.3 fathoms). The survey covered roughly 0.9 km E-W by 4.9 km N-S. Surveyed the southwestern shelf, typically lower-density feeding grounds.



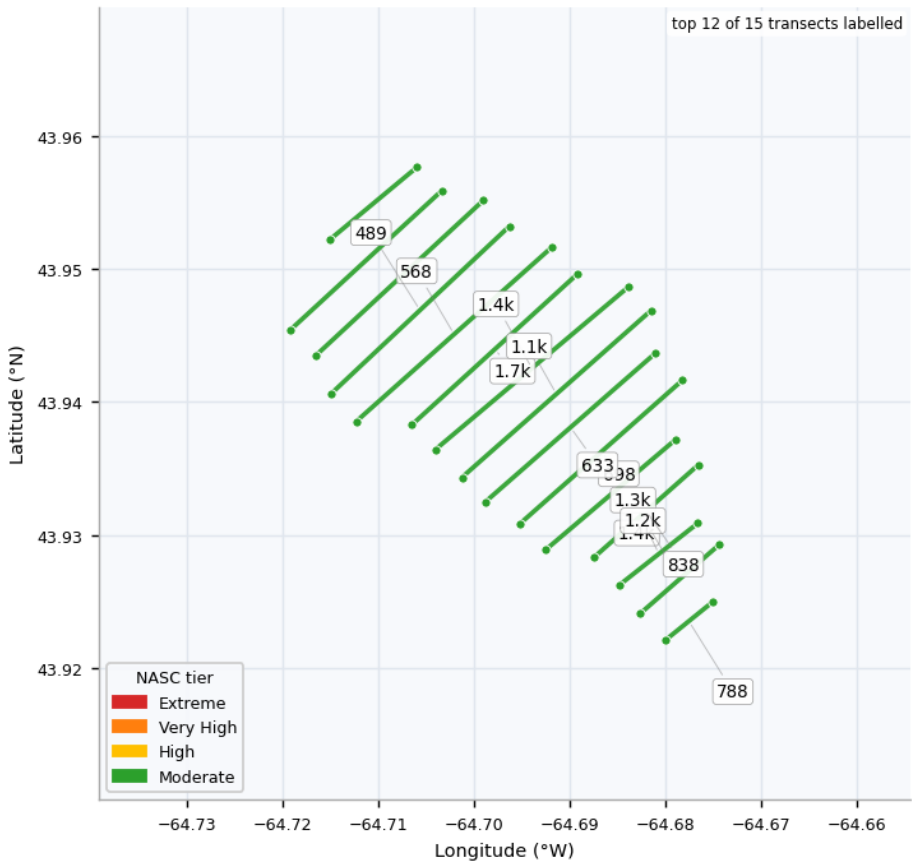
#	Region	NASC	Depth	Position
1	AS_TS05	2,287	8.2 fath	43.6456, -65.0237
2	AS_TS07	1,329	9.4 fath	43.6368, -65.0207
3	AS_TS06	982	8.3 fath	43.6410, -65.0241

BT_Sep16 — Bomp n Tom

Date(s): 2024-09-15, 2024-09-16 · Transects: 15 · Total NASC: 12,219

Mean NASC	815	Avg depth	8.4 fath
Median NASC	788	Depth range	7.2-9.8 fath
Peak NASC	1,681	Lat range	43.9235-43.9550
Tiers	E:0 VH:0 H:0 M:15	Lon range	-64.7112--64.6775

Bomp n Tom ran a 2-day survey in September 2024, covering 15 transects. Total NASC was 12,219 with a peak reading of 1,681 on BT_TS06 at 43.9440°N, 64.6978°W in 8.4 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 8.4 fathoms (7.2-9.8 fathoms). The survey covered roughly 2.6 km E-W by 3.5 km N-S. Centered on the November spawning bed area at 43.93°N / 64.72°W.



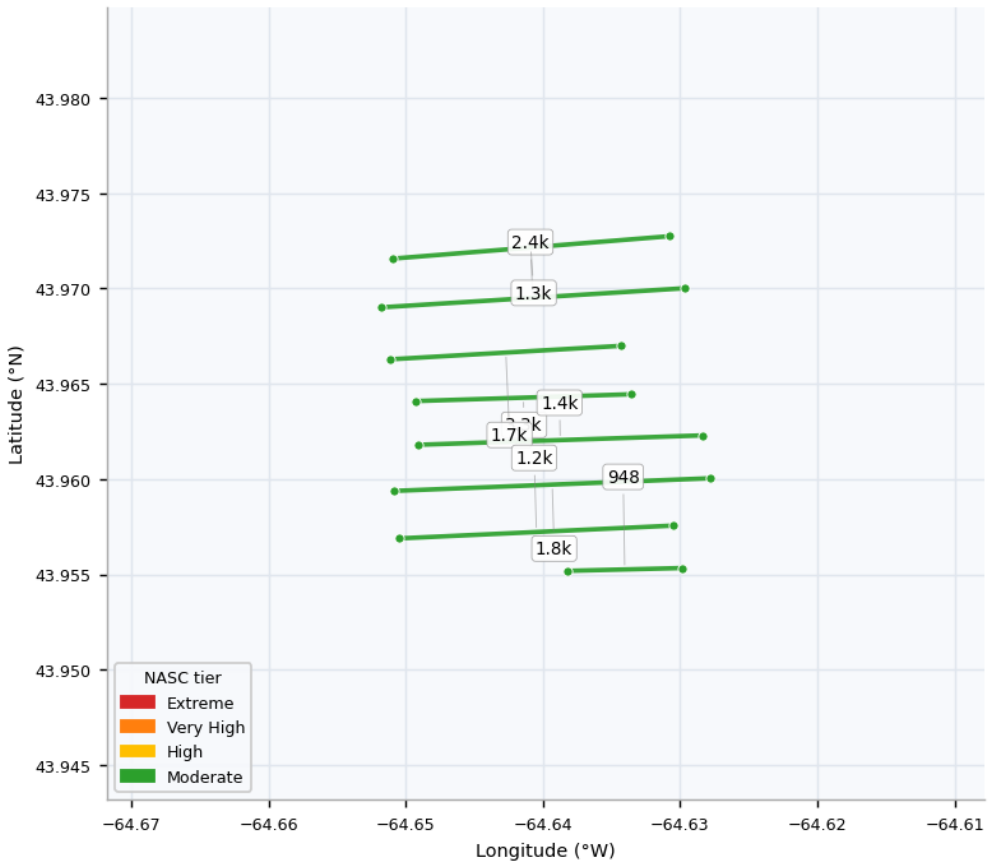
#	Region	NASC	Depth	Position
1	BT_TS06	1,681	8.4 fath	43.9440, -64.6978
2	BT_TS11	1,411	8.8 fath	43.9330, -64.6857
3	BT_TS07	1,383	9.2 fath	43.9425, -64.6939

E8_Sep16 — Eagle 8

Date(s): 2024-09-15, 2024-09-16 · Transects: 8 · Total NASC: 13,993

Mean NASC	1,749	Avg depth	11.2 fath
Median NASC	1,554	Depth range	10.3-11.8 fath
Peak NASC	3,262	Lat range	43.9553-43.9721
Tiers	E:0 VH:0 H:0 M:8	Lon range	-64.6427--64.6340

Eagle 8 ran a 2-day survey in September 2024, covering 8 transects. Total NASC was 13,993 with a peak reading of 3,262 on E8_TS04 at 43.9643°N, 64.6414°W in 10.7 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 11.2 fathoms (10.3-11.8 fathoms). The survey covered roughly 0.7 km E-W by 1.9 km N-S.



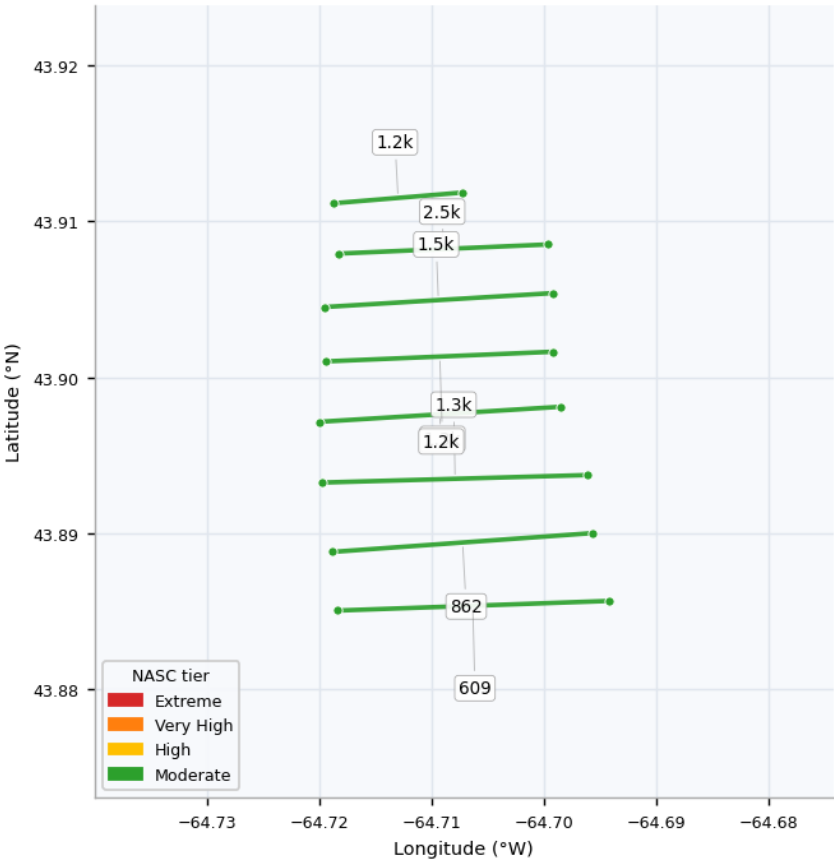
#	Region	NASC	Depth	Position
1	E8_TS04	3,262	10.7 fath	43.9643, -64.6414
2	E8_TS02	2,423	11.0 fath	43.9695, -64.6407
3	E8_TS06	1,795	11.8 fath	43.9597, -64.6393

BT_Sep16-2 — Bomp n Tom

Date(s): 2024-09-16 · Transects: 8 · Total NASC: 10,399

Mean NASC	1,300	Avg depth	8.3 fath
Median NASC	1,252	Depth range	7.3-9.2 fath
Peak NASC	2,511	Lat range	43.8853-43.9115
Tiers	E:0 VH:0 H:0 M:8	Lon range	-64.7130--64.7063

Bomp n Tom ran a September 2024 survey (16-09-2024) covering 8 transects. Total NASC was 10,399 with a peak reading of 2,511 on BT2_TS02 at 43.9082°N, 64.7089°W in 7.9 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 8.3 fathoms (7.3-9.2 fathoms). The survey covered roughly 0.5 km E-W by 2.9 km N-S. Centered on the November spawning bed area at 43.93°N / 64.72°W.



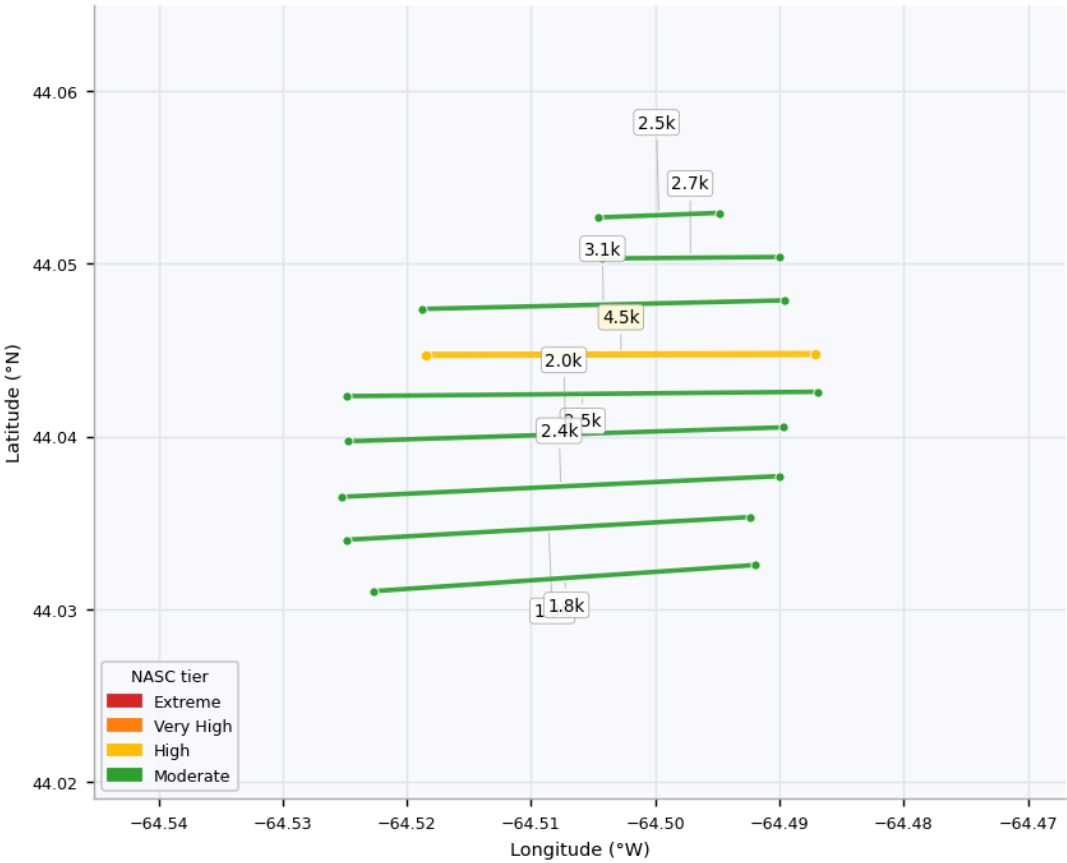
#	Region	NASC	Depth	Position
1	BT2_TS02	2,511	7.9 fath	43.9082, -64.7089
2	BT2_TS03	1,457	8.6 fath	43.9050, -64.7094
3	BT2_TS06	1,278	8.4 fath	43.8935, -64.7079

E8_Sep16-2 — Eagle 8

Date(s): 2024-09-16 · Transects: 9 · Total NASC: 23,486

Mean NASC	2,610	Avg depth	9.9 fath
Median NASC	2,522	Depth range	9.2-11.3 fath
Peak NASC	4,539	Lat range	44.0318-44.0528
Tiers	E:0 VH:0 H:1 M:8	Lon range	-64.5086--64.4972

Eagle 8 ran a September 2024 survey (16-09-2024) covering 9 transects. Total NASC was 23,486 with a peak reading of 4,539 on E8-2_TS04 at 44.0447°N, 64.5028°W in 9.8 fathoms. Moderate-to-High readings only (11% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 9.9 fathoms (9.2-11.3 fathoms). The survey covered roughly 0.9 km E-W by 2.3 km N-S. Worked the northeast staging area — this zone produced multiple Extreme readings during October.



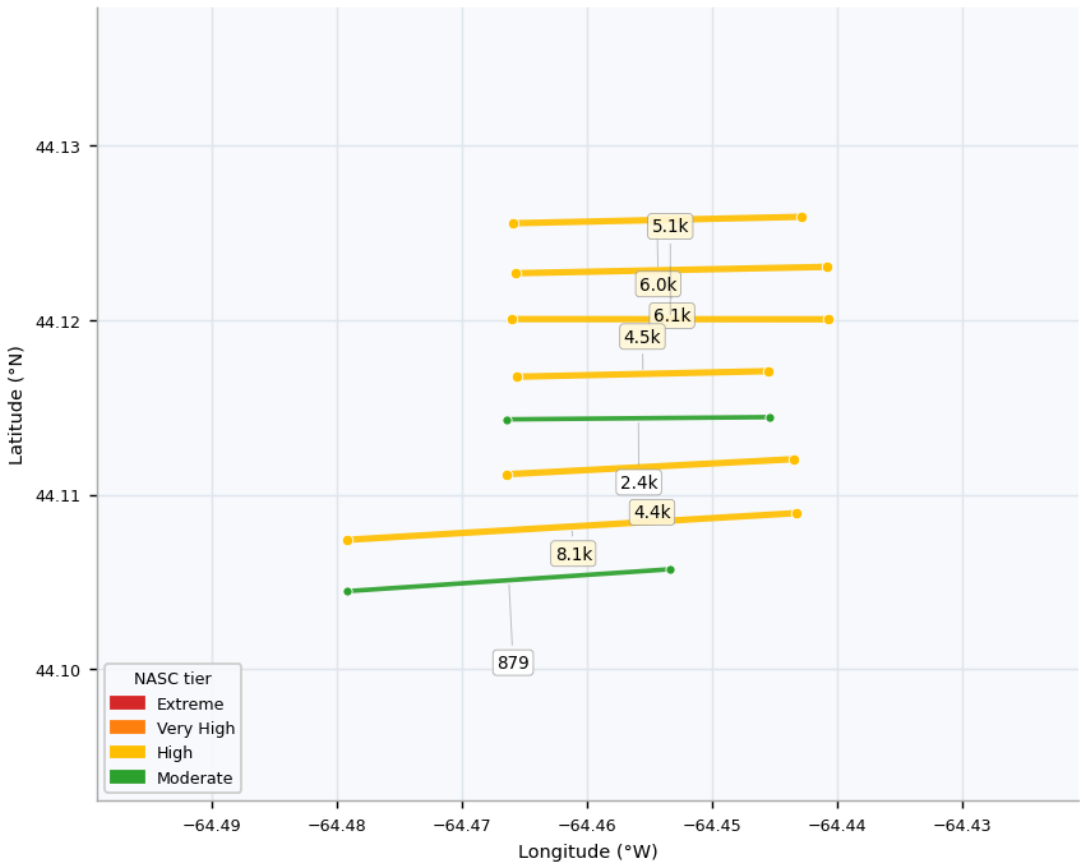
#	Region	NASC	Depth	Position
1	E8-2_TS04	4,539	9.8 fath	44.0447, -64.5028
2	E8-2_TS03	3,056	9.2 fath	44.0476, -64.5042
3	E8-2_TS02	2,744	9.5 fath	44.0503, -64.4972

E8_Sep16-3 — Eagle 8

Date(s): 2024-09-16 · Transects: 8 · Total NASC: 37,517

Mean NASC	4,690	Avg depth	8.1 fath
Median NASC	4,780	Depth range	7.8-8.8 fath
Peak NASC	8,058	Lat range	44.1051-44.1257
Tiers	E:0 VH:0 H:6 M:2	Lon range	-64.4663--64.4533

Eagle 8 ran a September 2024 survey (16-09-2024) covering 8 transects. Total NASC was 37,517 with a peak reading of 8,058 on E8-3_TS07 at 44.1082°N, 64.4612°W in 8.0 fathoms. Moderate-to-High readings only (75% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 8.1 fathoms (7.8-8.8 fathoms). The survey covered roughly 1.0 km E-W by 2.3 km N-S. Worked the northeast staging area — this zone produced multiple Extreme readings during October.



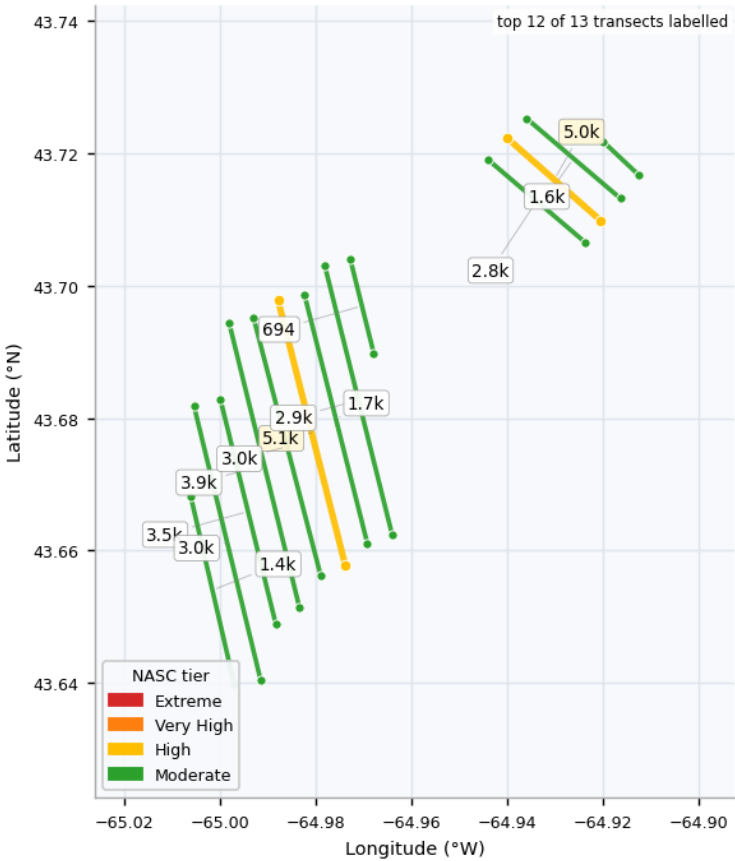
#	Region	NASC	Depth	Position
1	E8-3_TS07	8,058	8.0 fath	44.1082, -64.4612
2	E8-3_TS02	6,136	8.5 fath	44.1229, -64.4533
3	E8-3_TS01	6,033	8.8 fath	44.1257, -64.4544

SH_Sep16 — Saltwater Hunter

Date(s): 2024-09-16 · Transects: 13 · Total NASC: 35,218

Mean NASC	2,709	Avg depth	10.1 fath
Median NASC	2,931	Depth range	8.8-13.2 fath
Peak NASC	5,098	Lat range	43.6540-43.7192
Tiers	E:0 VH:0 H:2 M:11	Lon range	-65.0015--64.9162

Saltwater Hunter ran a September 2024 survey (16-09-2024) covering 13 transects. Total NASC was 35,218 with a peak reading of 5,098 on SH_T06 at 43.6778°N, 64.9808°W in 10.5 fathoms. Moderate-to-High readings only (15% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 10.1 fathoms (8.8-13.2 fathoms). The survey covered roughly 6.7 km E-W by 7.2 km N-S.



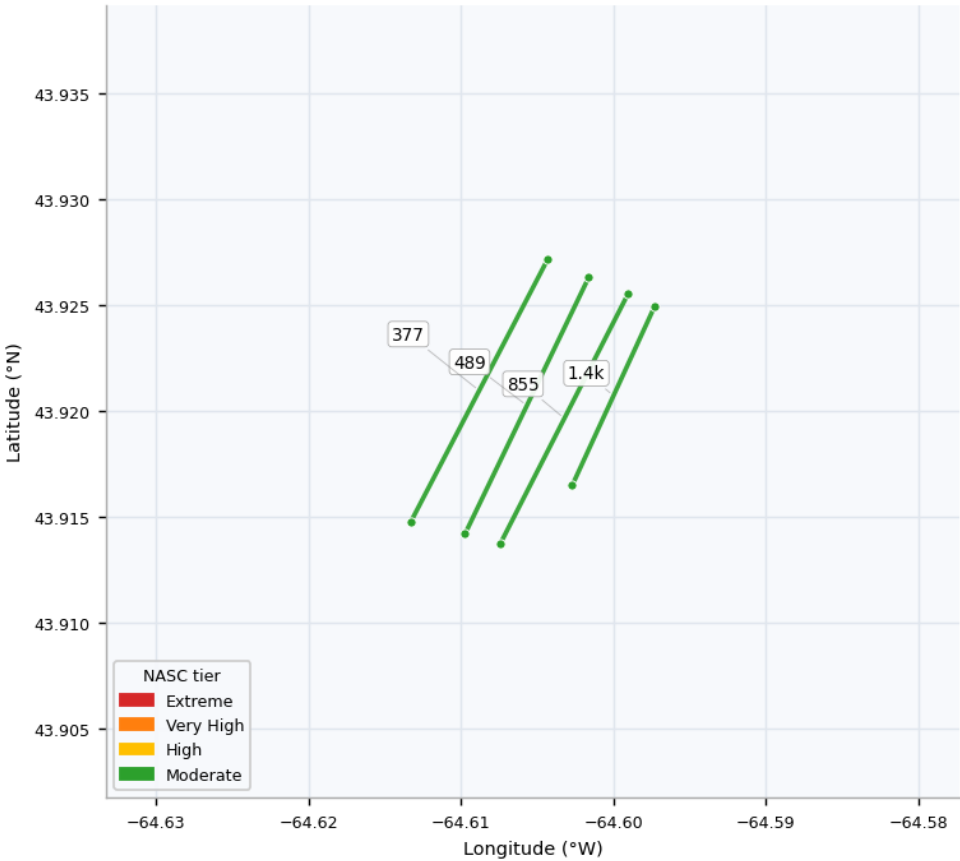
#	Region	NASC	Depth	Position
1	SH_T06	5,098	10.5 fath	43.6778, -64.9808
2	SH_T11	4,995	9.5 fath	43.7160, -64.9302
3	SH_T04	3,938	9.7 fath	43.6729, -64.9907

AS_Sep26 — Atlantic Star

Date(s): 2024-09-25 · Transects: 4 · Total NASC: 3,108

Mean NASC	777	Avg depth	11.8 fath
Median NASC	672	Depth range	11.4-12.1 fath
Peak NASC	1,387	Lat range	43.9197-43.9210
Tiers	E:0 VH:0 H:0 M:4	Lon range	-64.6088--64.6000

Atlantic Star ran a September 2024 survey (25-09-2024) covering 4 transects. Total NASC was 3,108 with a peak reading of 1,387 on AS_TS01 at 43.9207°N, 64.6000°W in 12.1 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 11.8 fathoms (11.4-12.1 fathoms). The survey covered roughly 0.7 km E-W by 0.1 km N-S.



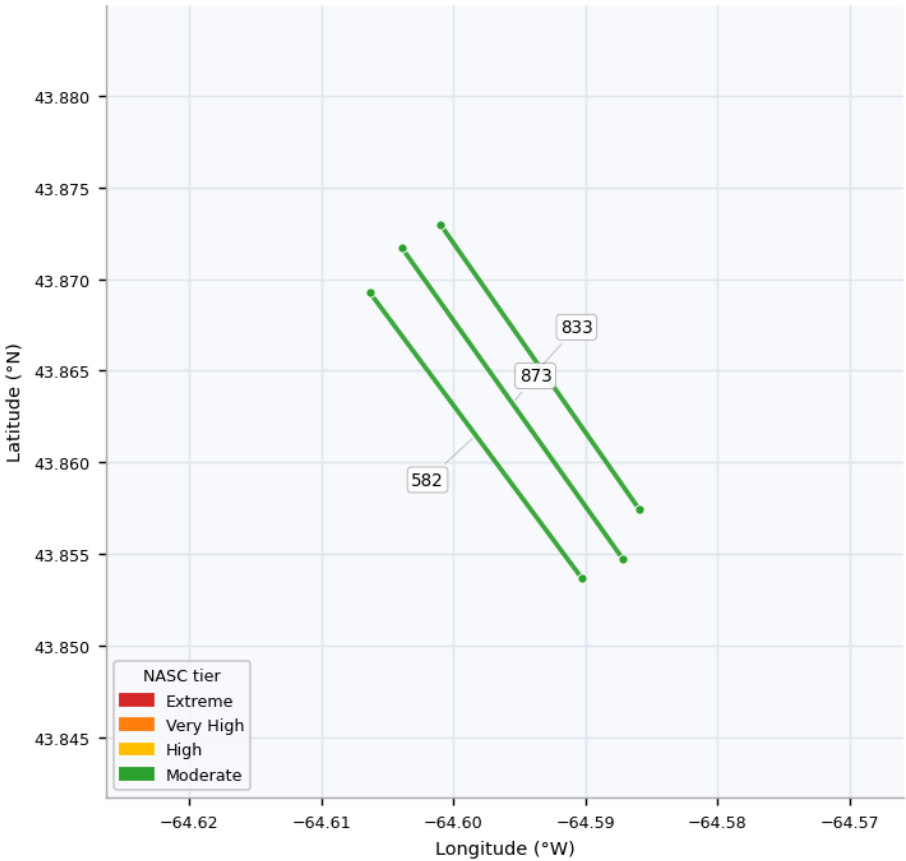
#	Region	NASC	Depth	Position
1	AS_TS01	1,387	12.1 fath	43.9207, -64.6000
2	AS_TS02	855	11.8 fath	43.9197, -64.6032
3	AS_TS03	489	11.4 fath	43.9203, -64.6057

SH_Sep26 — Saltwater Hunter

Date(s): 2024-09-25 · Transects: 3 · Total NASC: 2,288

Mean NASC	763	Avg depth	18.0 fath
Median NASC	833	Depth range	16.9-18.7 fath
Peak NASC	873	Lat range	43.8615-43.8652
Tiers	E:0 VH:0 H:0 M:3	Lon range	-64.5983--64.5934

Saltwater Hunter ran a September 2024 survey (25-09-2024) covering 3 transects. Total NASC was 2,288 with a peak reading of 873 on SH_TS02 at 43.8632°N, 64.5955°W in 16.9 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 18.0 fathoms (16.9-18.7 fathoms). The survey covered roughly 0.4 km E-W by 0.4 km N-S.



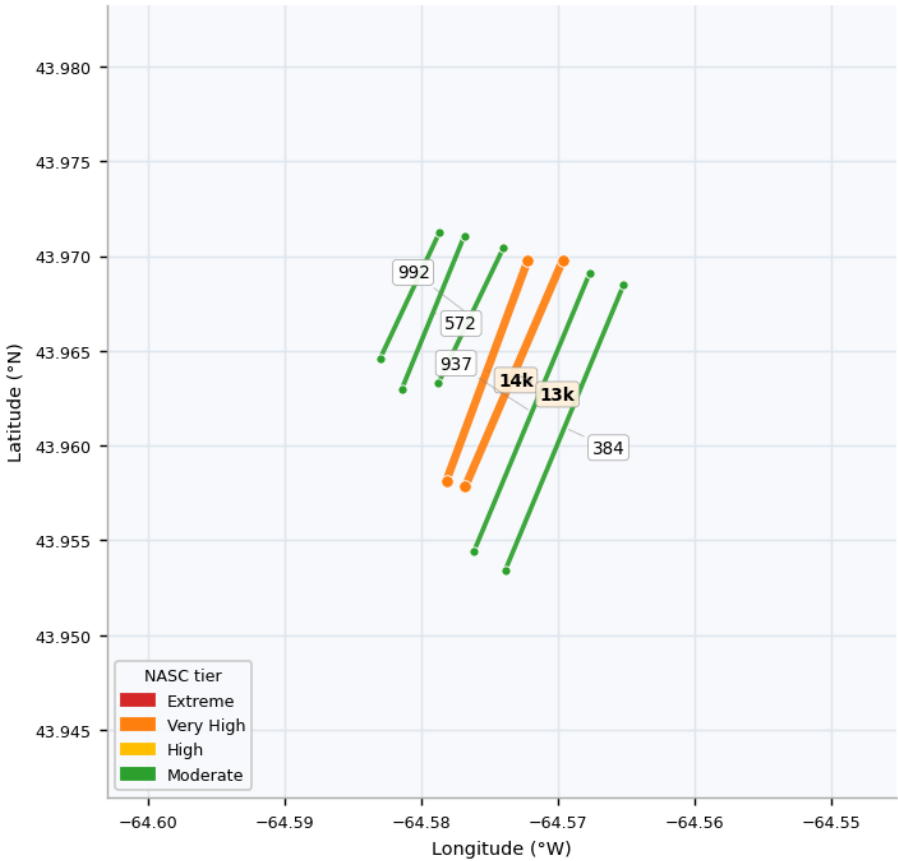
#	Region	NASC	Depth	Position
1	SH_TS02	873	16.9 fath	43.8632, -64.5955
2	SH_TS01	833	18.5 fath	43.8652, -64.5934
3	SH_TS03	582	18.7 fath	43.8615, -64.5983

AS_Sep26-2 — Atlantic Star

Date(s): 2024-09-26 · Transects: 7 · Total NASC: 30,270

Mean NASC	4,324	Avg depth	13.9 fath
Median NASC	937	Depth range	13.5-14.4 fath
Peak NASC	14,247	Lat range	43.9610-43.9679
Tiers	E:0 VH:2 H:0 M:5	Lon range	-64.5809--64.5695

Atlantic Star ran a September 2024 survey (26-09-2024) covering 7 transects. Total NASC was 30,270 with a peak reading of 14,247 on AS2_TS04 at 43.9640°N, 64.5752°W in 13.9 fathoms. 2 Very High readings but no Extreme tier hits — consistent with feeding/transit activity rather than a major aggregation. Mean working depth was 13.9 fathoms (13.5-14.4 fathoms). The survey covered roughly 0.9 km E-W by 0.8 km N-S.



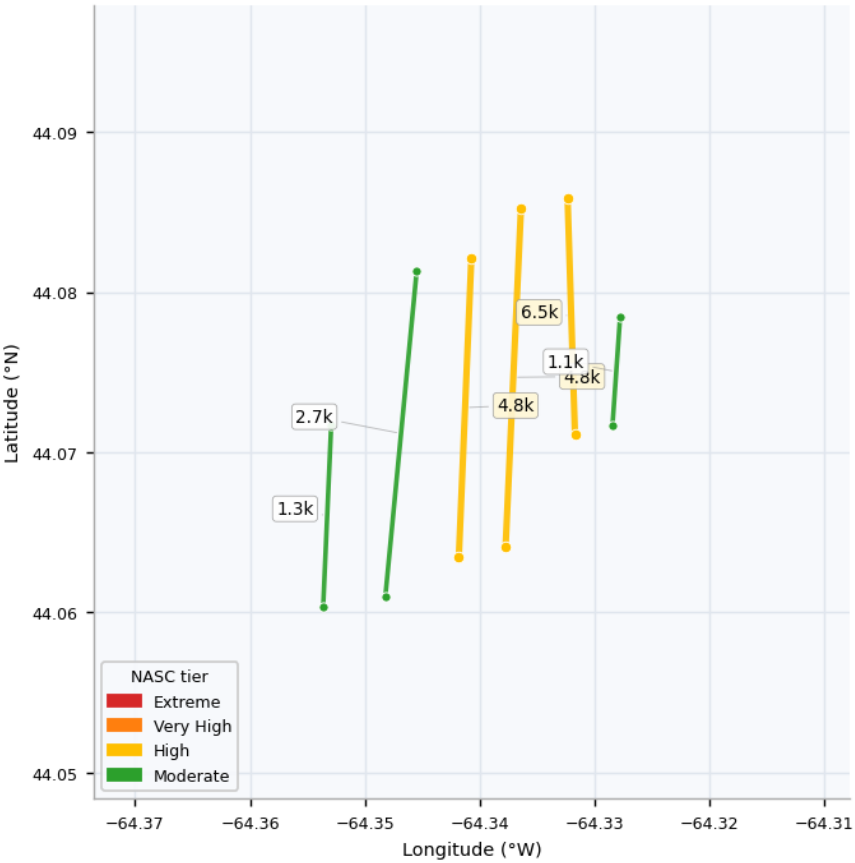
#	Region	NASC	Depth	Position
1	AS2_TS04	14,247	13.9 fath	43.9640, -64.5752
2	AS2_TS05	13,104	14.4 fath	43.9638, -64.5732
3	AS2_TS03	992	13.5 fath	43.9668, -64.5764

E8_Sep26 — Eagle 8

Date(s): 2024-09-26 · Transects: 6 · Total NASC: 21,055

Mean NASC	3,509	Avg depth	16.7 fath
Median NASC	3,712	Depth range	15.0-18.0 fath
Peak NASC	6,466	Lat range	44.0660-44.0785
Tiers	E:0 VH:0 H:3 M:3	Lon range	-64.3533--64.3281

Eagle 8 ran a September 2024 survey (26-09-2024) covering 6 transects. Total NASC was 21,055 with a peak reading of 6,466 on E8_TS02 at 44.0785°N, 64.3320°W in 16.1 fathoms. Moderate-to-High readings only (50% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 16.7 fathoms (15.0-18.0 fathoms). The survey covered roughly 2.0 km E-W by 1.4 km N-S. Worked the northeast staging area — this zone produced multiple Extreme readings during October.



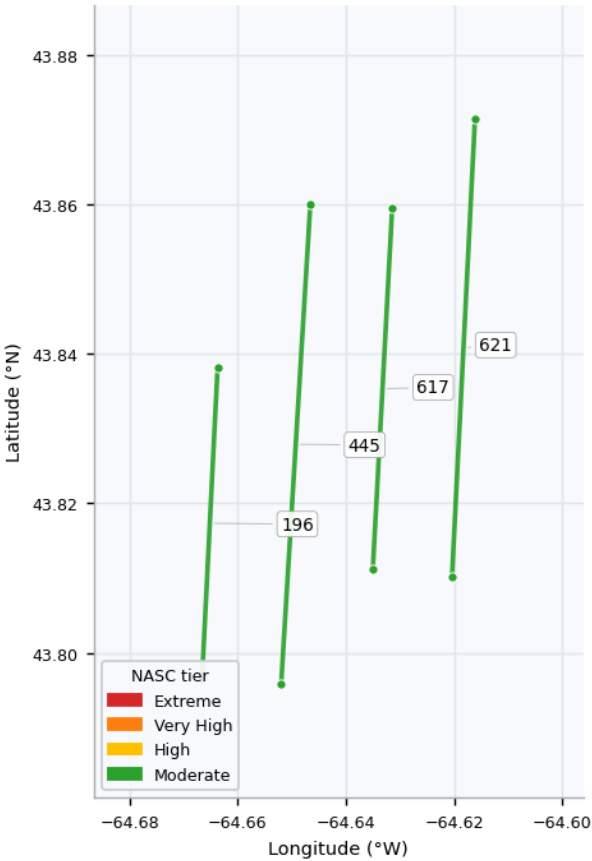
#	Region	NASC	Depth	Position
1	E8_TS02	6,466	16.1 fath	44.0785, -64.3320
2	E8_TS04	4,792	17.8 fath	44.0728, -64.3413
3	E8_TS03	4,756	17.1 fath	44.0747, -64.3371

SH_Sep26-2 — Saltwater Hunter

Date(s): 2024-09-26 · Transects: 4 · Total NASC: 1,879

Mean NASC	470	Avg depth	18.1 fath
Median NASC	531	Depth range	17.3-19.0 fath
Peak NASC	621	Lat range	43.8174-43.8408
Tiers	E:0 VH:0 H:0 M:4	Lon range	-64.6652--64.6183

Saltwater Hunter ran a September 2024 survey (26-09-2024) covering 4 transects. Total NASC was 1,879 with a peak reading of 621 on SH2_TS01 at 43.8408°N, 64.6183°W in 19.0 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 18.1 fathoms (17.3-19.0 fathoms). The survey covered roughly 3.7 km E-W by 2.6 km N-S.



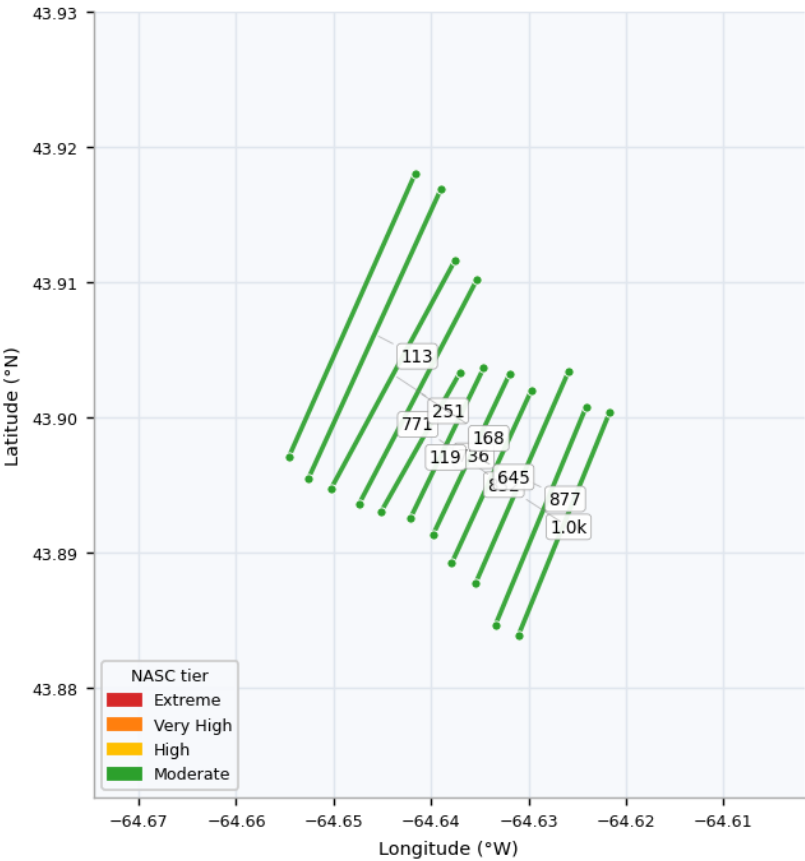
#	Region	NASC	Depth	Position
1	SH2_TS01	621	19.0 fath	43.8408, -64.6183
2	SH2_TS02	617	17.3 fath	43.8353, -64.6332
3	SH2_TS03	445	18.0 fath	43.8279, -64.6493

AS_Oct10 — Atlantic Star

Date(s): 2024-10-09 · Transects: 11 · Total NASC: 5,588

Mean NASC	508	Avg depth	12.2 fath
Median NASC	645	Depth range	11.1-13.9 fath
Peak NASC	1,029	Lat range	43.8921-43.9075
Tiers	E:0 VH:0 H:0 M:11	Lon range	-64.6481--64.6264

Atlantic Star ran a October 2024 survey (09-10-2024) covering 11 transects. Total NASC was 5,588 with a peak reading of 1,029 on AS_TS02 at 43.8927°N, 64.6287°W in 13.7 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 12.2 fathoms (11.1-13.9 fathoms). The survey covered roughly 1.7 km E-W by 1.7 km N-S.



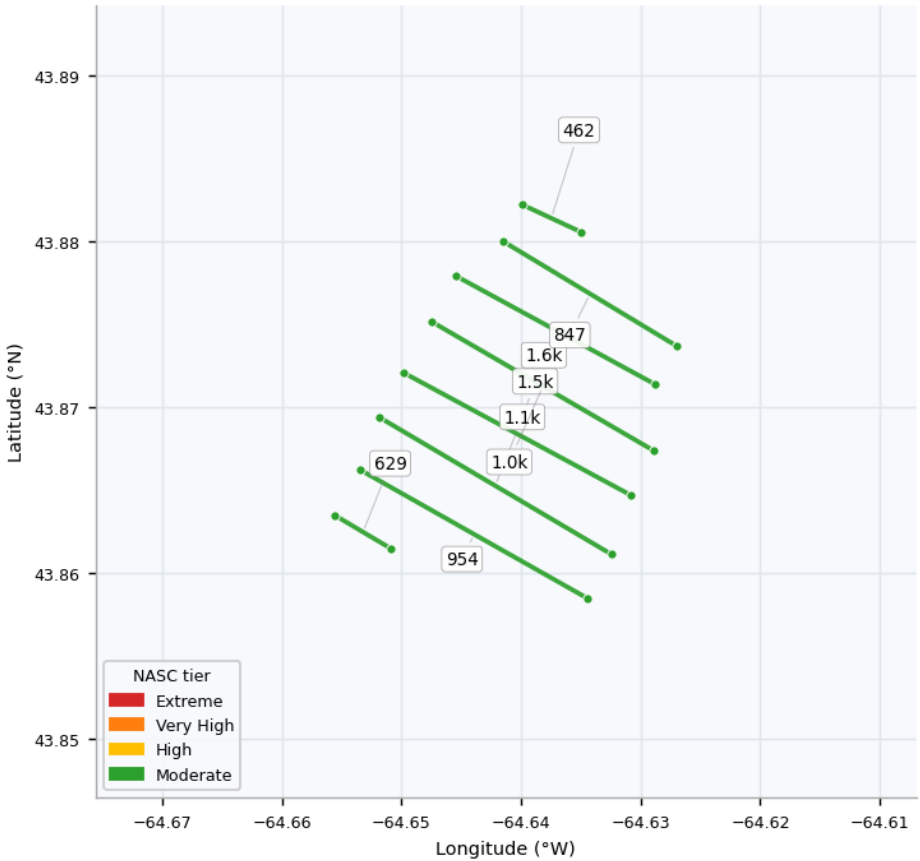
#	Region	NASC	Depth	Position
1	AS_TS02	1,029	13.7 fath	43.8927, -64.6287
2	AS_TS03	877	13.3 fath	43.8956, -64.6307
3	AS_TS01	832	13.9 fath	43.8921, -64.6264

BT_Oct10 — Bomp n Tom

Date(s): 2024-10-09 · Transects: 8 · Total NASC: 8,166

Mean NASC	1,021	Avg depth	15.4 fath
Median NASC	984	Depth range	14.1-16.2 fath
Peak NASC	1,650	Lat range	43.8624-43.8814
Tiers	E:0 VH:0 H:0 M:8	Lon range	-64.6532--64.6342

Bomp n Tom ran a October 2024 survey (09-10-2024) covering 8 transects. Total NASC was 8,166 with a peak reading of 1,650 on BT_TS03 at 43.8747°N, 64.6371°W in 15.3 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 15.4 fathoms (14.1-16.2 fathoms). The survey covered roughly 1.5 km E-W by 2.1 km N-S.



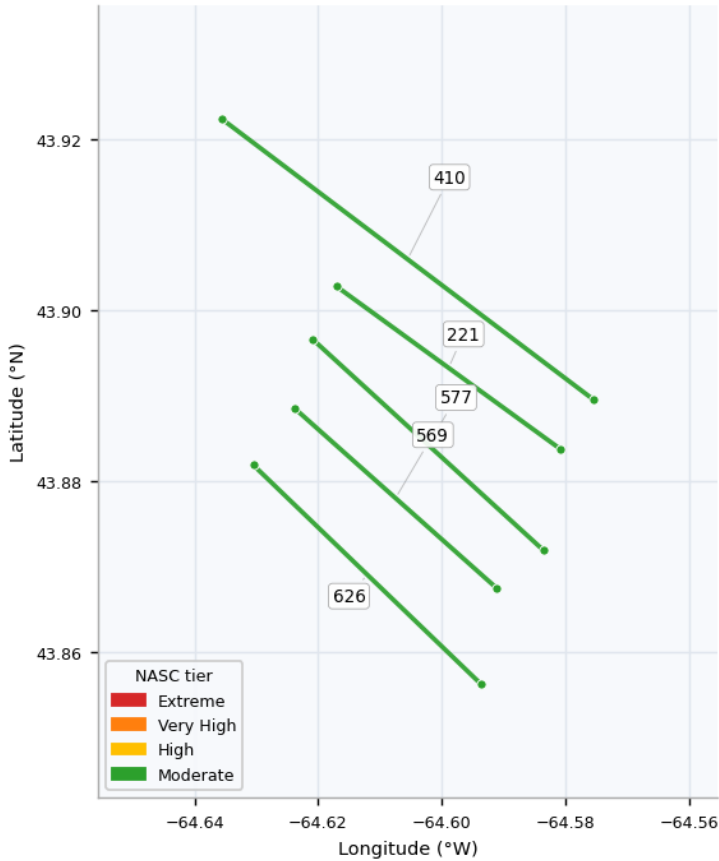
#	Region	NASC	Depth	Position
1	BT_TS03	1,650	15.3 fath	43.8747, -64.6371
2	BT_TS05	1,518	15.3 fath	43.8684, -64.6404
3	BT_TS06	1,093	15.9 fath	43.8653, -64.6421

AS_Oct10-2 — Atlantic Star

Date(s): 2024-10-10 · Transects: 5 · Total NASC: 2,403

Mean NASC	481	Avg depth	19.3 fath
Median NASC	569	Depth range	18.2-20.6 fath
Peak NASC	626	Lat range	43.8691-43.9059
Tiers	E:0 VH:0 H:0 M:5	Lon range	-64.6120--64.5989

Atlantic Star ran a October 2024 survey (10-10-2024) covering 5 transects. Total NASC was 2,403 with a peak reading of 626 on AS2_TS01 at 43.8691°N, 64.6120°W in 18.6 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 19.3 fathoms (18.2-20.6 fathoms). The survey covered roughly 1.0 km E-W by 4.1 km N-S.



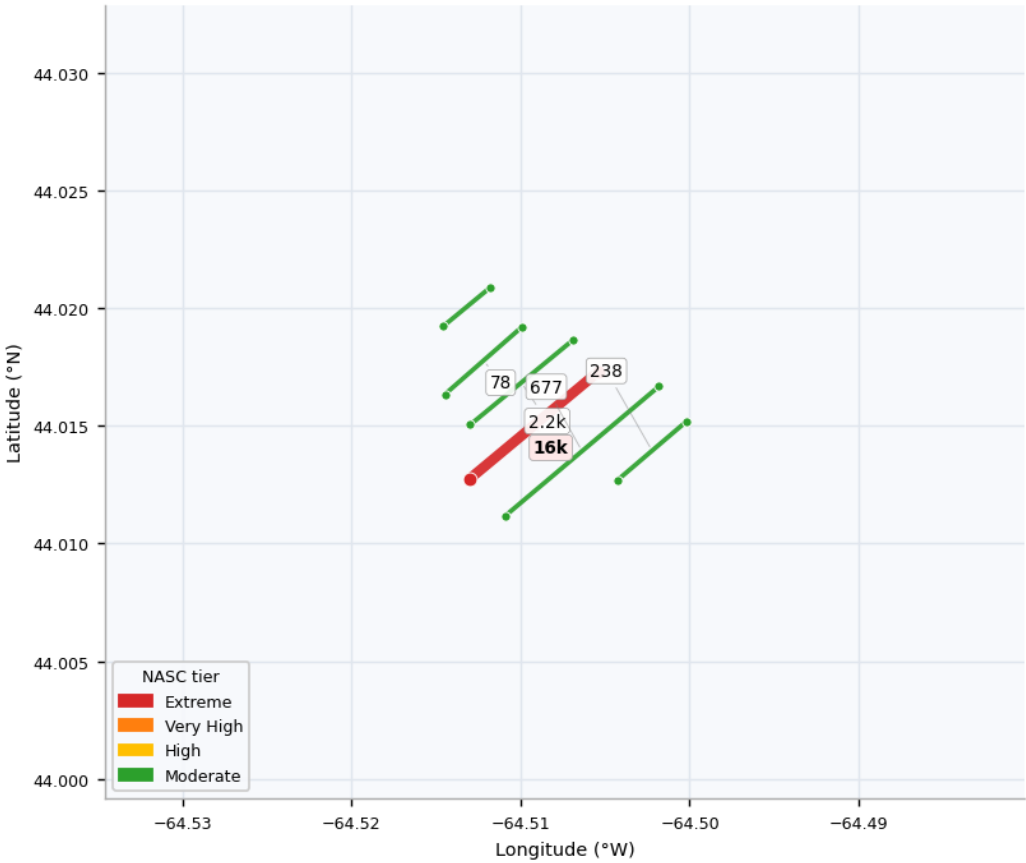
#	Region	NASC	Depth	Position
1	AS2_TS01	626	18.6 fath	43.8691, -64.6120
2	AS2_TS03	577	20.6 fath	43.8842, -64.6022
3	AS2_TS02	569	18.6 fath	43.8780, -64.6075

BT_Oct10-2 — Bomp n Tom

Date(s): 2024-10-10 · Transects: 6 · Total NASC: 19,079

Mean NASC	3,180	Avg depth	14.1 fath
Median NASC	457	Depth range	12.0-15.0 fath
Peak NASC	15,887	Lat range	44.0139-44.0200
Tiers	E:1 VH:0 H:0 M:5	Lon range	-64.5132--64.5022

Bomp n Tom ran a October 2024 survey (10-10-2024) covering 6 transects. Total NASC was 19,079 with a peak reading of 15,887 on BT2_TS04 at 44.0150°N, 64.5092°W in 14.8 fathoms. 1 transect hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 14.1 fathoms (12.0-15.0 fathoms). The survey covered roughly 0.9 km E-W by 0.7 km N-S. Worked the northeast staging area — this zone produced multiple Extreme readings during October.



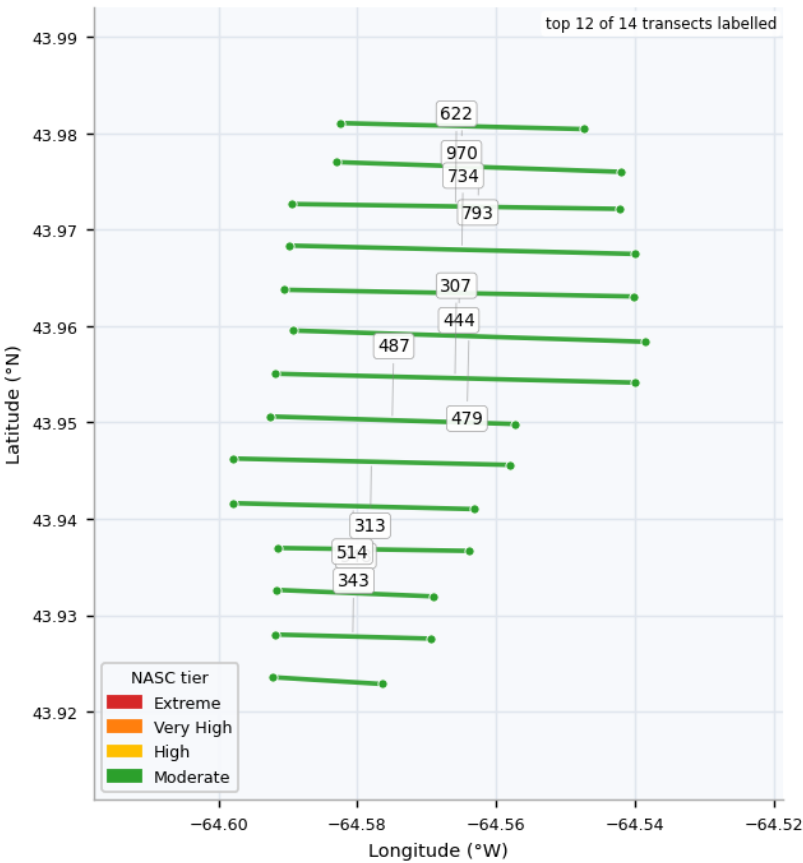
#	Region	NASC	Depth	Position
1	BT2_TS04	15,887	14.8 fath	44.0150, -64.5092
2	BT2_TS03	2,177	14.8 fath	44.0168, -64.5100
3	BT2_TS05	677	14.2 fath	44.0139, -64.5064

SH_Oct10-2 — Saltwater Hunter

Date(s): 2024-10-10 · Transects: 14 · Total NASC: 7,112

Mean NASC	508	Avg depth	16.7 fath
Median NASC	483	Depth range	13.2-18.8 fath
Peak NASC	970	Lat range	43.9232-43.9807
Tiers	E:0 VH:0 H:0 M:14	Lon range	-64.5844--64.5625

Saltwater Hunter ran a October 2024 survey (10-10-2024) covering 14 transects. Total NASC was 7,112 with a peak reading of 970 on SH2_TS01 at 43.9807°N, 64.5649°W in 13.2 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 16.7 fathoms (13.2-18.8 fathoms). The survey covered roughly 1.7 km E-W by 6.4 km N-S.



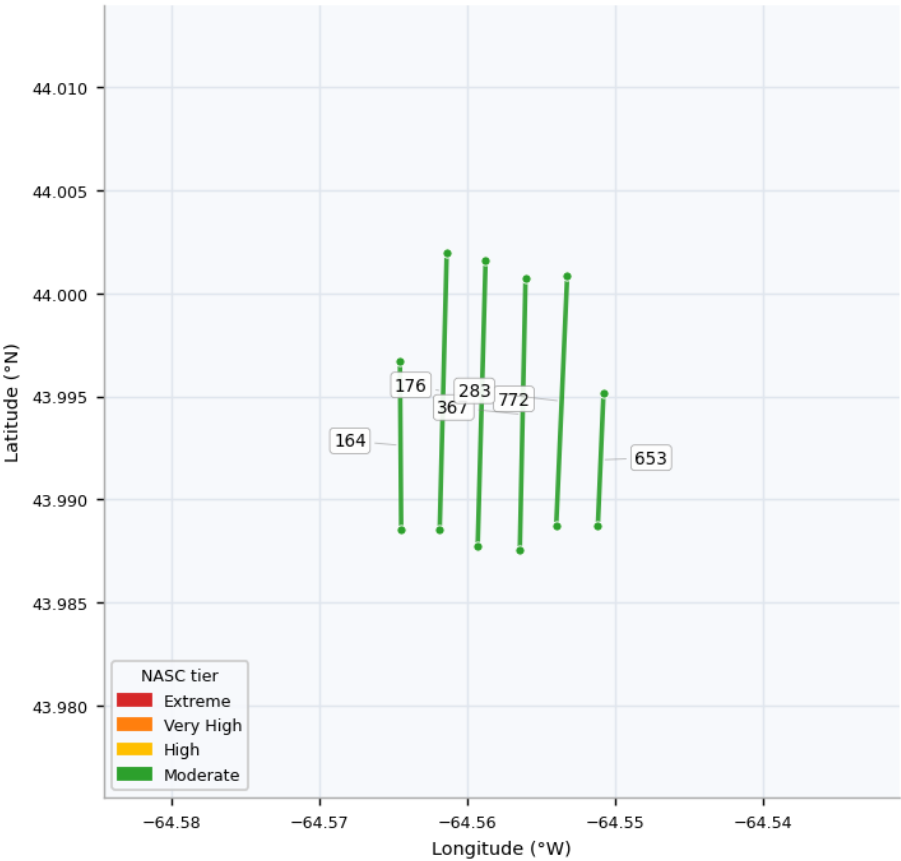
#	Region	NASC	Depth	Position
1	SH2_TS01	970	13.2 fath	43.9807, -64.5649
2	SH2_TS02	793	14.5 fath	43.9765, -64.5625
3	SH2_TS04	734	15.7 fath	43.9679, -64.5649

SH_Oct10 — Saltwater Hunter

Date(s): 2024-10-10 · Transects: 6 · Total NASC: 2,416

Mean NASC	403	Avg depth	12.9 fath
Median NASC	325	Depth range	11.6-14.4 fath
Peak NASC	772	Lat range	43.9919-43.9952
Tiers	E:0 VH:0 H:0 M:6	Lon range	-64.5645--64.5510

Saltwater Hunter ran a October 2024 survey (10-10-2024) covering 6 transects. Total NASC was 2,416 with a peak reading of 772 on SH_TS03 at 43.9947°N, 64.5590°W in 12.4 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 12.9 fathoms (11.6-14.4 fathoms). The survey covered roughly 1.1 km E-W by 0.4 km N-S.



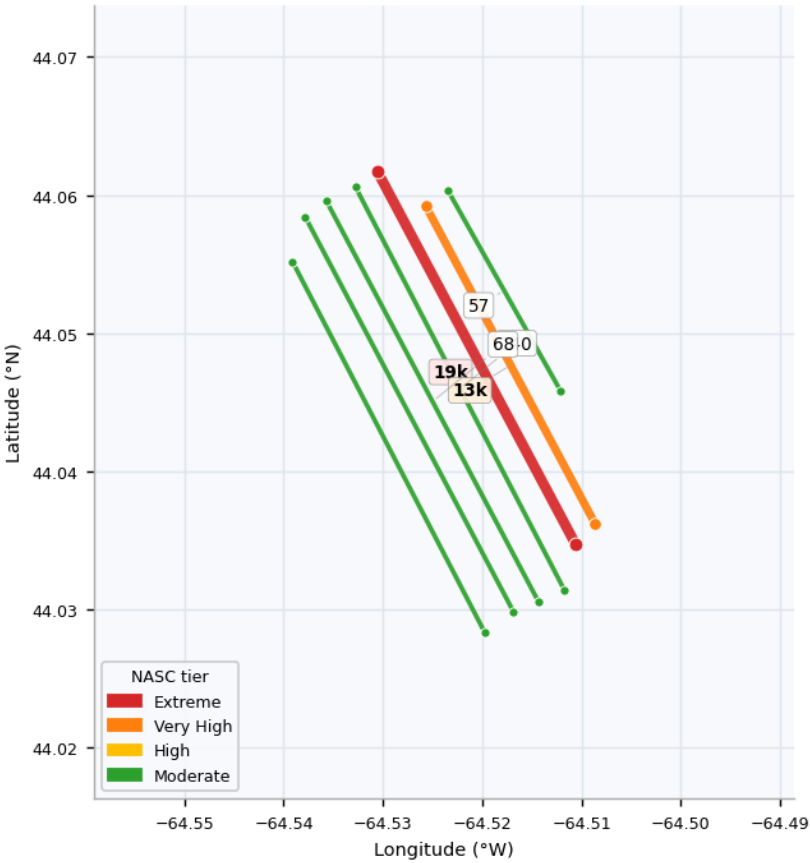
#	Region	NASC	Depth	Position
1	SH_TS03	772	12.4 fath	43.9947, -64.5590
2	SH_TS06	653	14.1 fath	43.9919, -64.5510
3	SH_TS04	367	13.4 fath	43.9941, -64.5562

AS_Oct24 — Atlantic Star

Date(s): 2024-10-23, 2024-10-24 · Transects: 7 · Total NASC: 31,997

Mean NASC	4,571	Avg depth	8.0 fath
Median NASC	68	Depth range	7.0-9.4 fath
Peak NASC	18,531	Lat range	44.0417-44.0531
Tiers	E:1 VH:1 H:0 M:5	Lon range	-64.5294--64.5171

Atlantic Star ran a 2-day survey in October 2024, covering 7 transects. Total NASC was 31,997 with a peak reading of 18,531 on AS_TS03 at 44.0482°N, 64.5206°W in 7.5 fathoms. 1 transect hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 8.0 fathoms (7.0-9.4 fathoms). The survey covered roughly 1.0 km E-W by 1.3 km N-S. Worked the northeast staging area — this zone produced multiple Extreme readings during October.



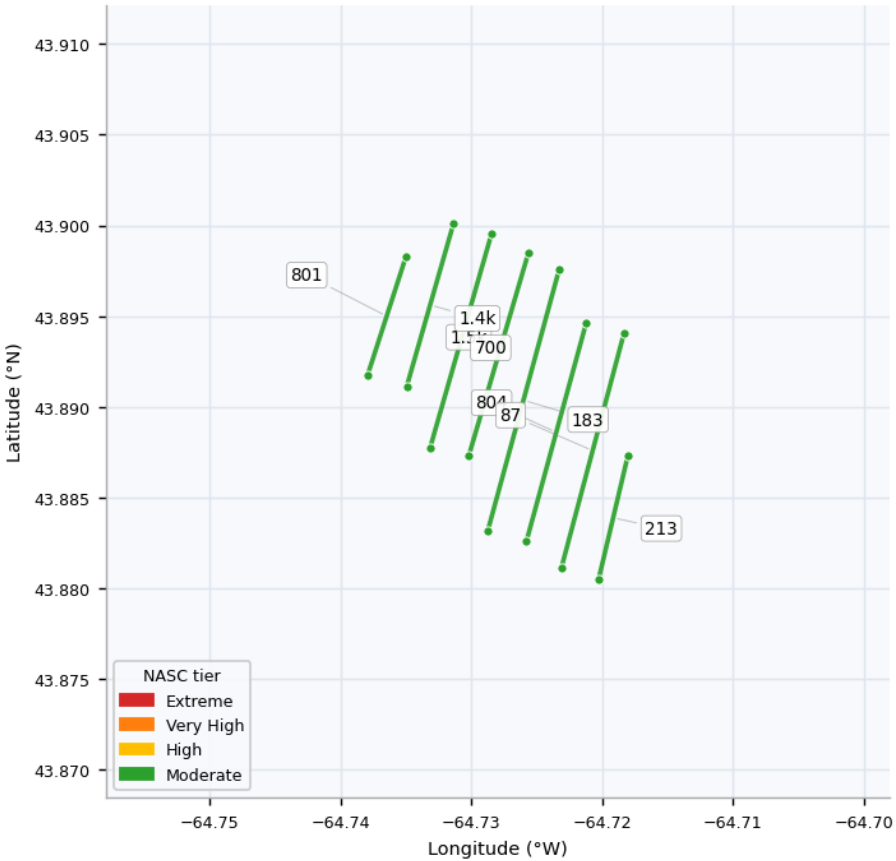
#	Region	NASC	Depth	Position
1	AS_TS03	18,531	7.5 fath	44.0482, -64.5206
2	AS_TS02	13,131	8.0 fath	44.0477, -64.5171
3	AS_TS04	140	7.0 fath	44.0460, -64.5222

SH_Oct24 — Saltwater Hunter

Date(s): 2024-10-23 · Transects: 8 · Total NASC: 5,770

Mean NASC	721	Avg depth	6.2 fath
Median NASC	751	Depth range	5.6-6.9 fath
Peak NASC	1,535	Lat range	43.8839-43.8956
Tiers	E:0 VH:0 H:0 M:8	Lon range	-64.7365--64.7192

Saltwater Hunter ran a October 2024 survey (23-10-2024) covering 8 transects. Total NASC was 5,770 with a peak reading of 1,535 on SH_TS04 at 43.8929°N, 64.7279°W in 5.6 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 6.2 fathoms (5.6-6.9 fathoms). The survey covered roughly 1.4 km E-W by 1.3 km N-S. Centered on the November spawning bed area at 43.93°N / 64.72°W.



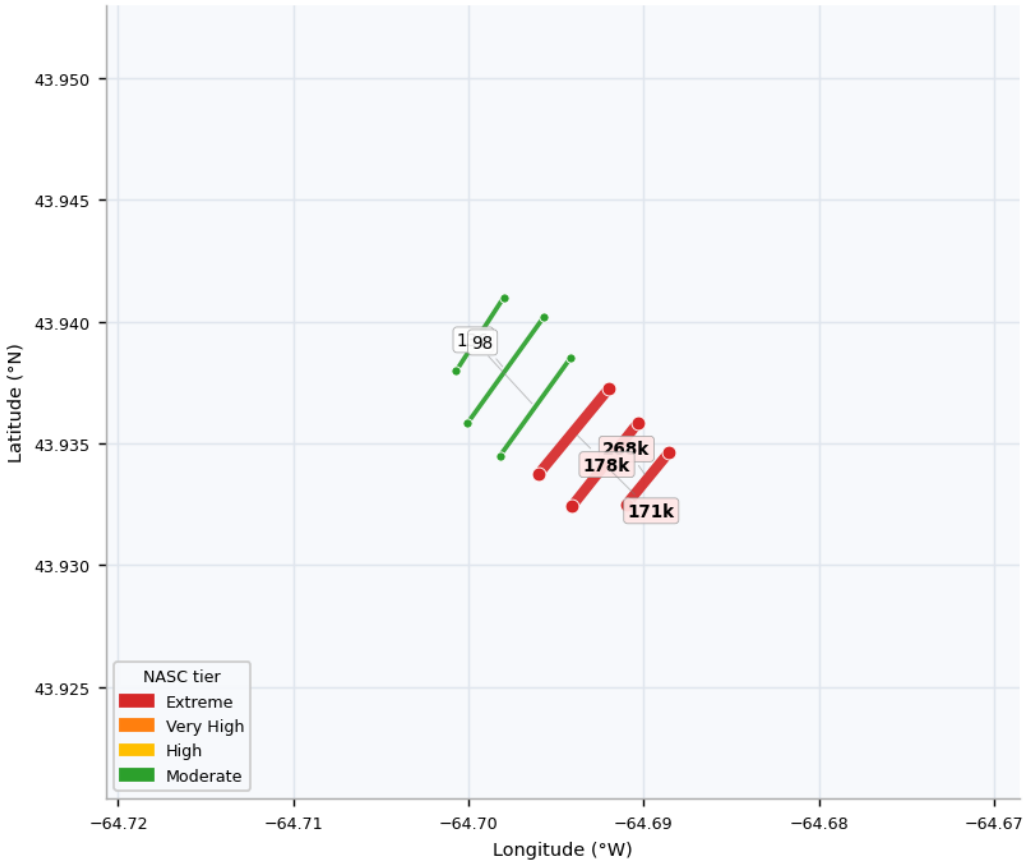
#	Region	NASC	Depth	Position
1	SH_TS04	1,535	5.6 fath	43.8929, -64.7279
2	SH_TS02	1,446	6.0 fath	43.8956, -64.7331
3	SH_TS06	804	6.6 fath	43.8886, -64.7235

SH_Oct24-2 — Saltwater Hunter

Date(s): 2024-10-24 · Transects: 6 · Total NASC: 616,802

Mean NASC	102,800	Avg depth	7.2 fath
Median NASC	85,539	Depth range	5.8-8.1 fath
Peak NASC	267,586	Lat range	43.9336-43.9395
Tiers	E:3 VH:0 H:0 M:3	Lon range	-64.6994--64.6898

Saltwater Hunter ran a October 2024 survey (24-10-2024) covering 6 transects. Total NASC was 616,802 with a peak reading of 267,586 on SH2_TS01 at 43.9336°N, 64.6898°W in 5.8 fathoms. 3 transects hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 7.2 fathoms (5.8-8.1 fathoms). The survey covered roughly 0.7 km E-W by 0.7 km N-S. Centered on the November spawning bed area at 43.93°N / 64.72°W.



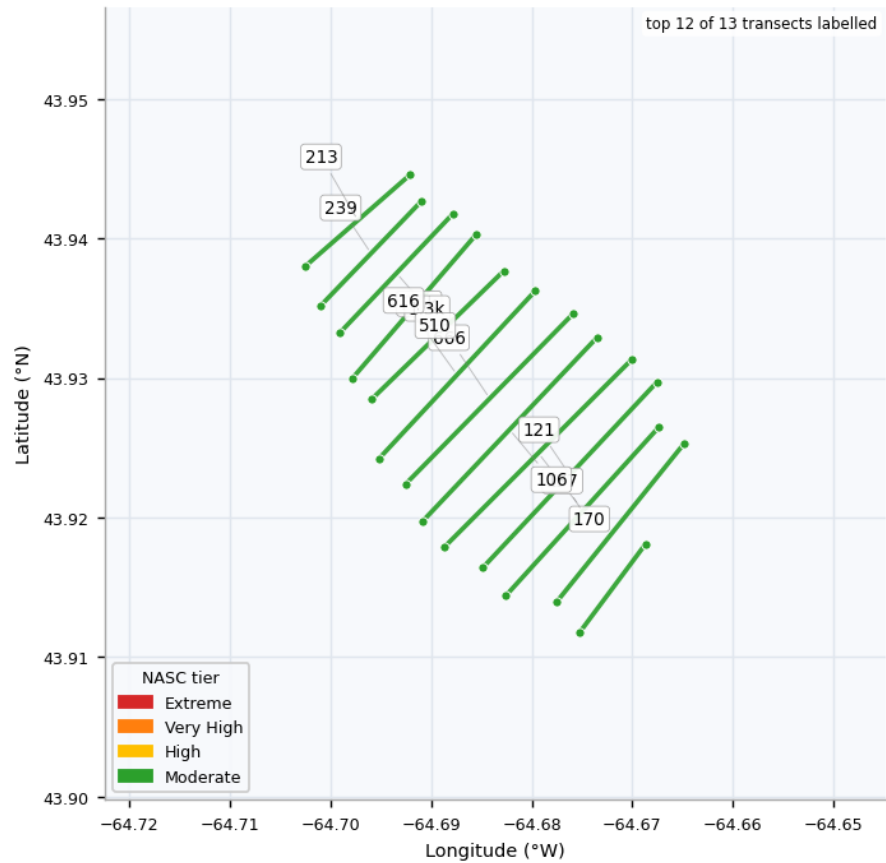
#	Region	NASC	Depth	Position
1	SH2_TS01	267,586	5.8 fath	43.9336, -64.6898
2	SH2_TS03	178,016	7.2 fath	43.9355, -64.6940
3	SH2_TS02	170,942	6.3 fath	43.9341, -64.6922

AS_Nov2 — Atlantic Star

Date(s): 2024-11-02 · Transects: 13 · Total NASC: 5,699

Mean NASC	438	Avg depth	9.5 fath
Median NASC	213	Depth range	8.4-11.2 fath
Peak NASC	1,622	Lat range	43.9149-43.9413
Tiers	E:0 VH:0 H:0 M:13	Lon range	-64.6973--64.6712

Atlantic Star ran a November 2024 survey (02-11-2024) covering 13 transects. Total NASC was 5,699 with a peak reading of 1,622 on AS_TS05 at 43.9331°N, 64.6894°W in 8.4 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 9.5 fathoms (8.4-11.2 fathoms). The survey covered roughly 2.0 km E-W by 2.9 km N-S. Centered on the November spawning bed area at 43.93°N / 64.72°W.



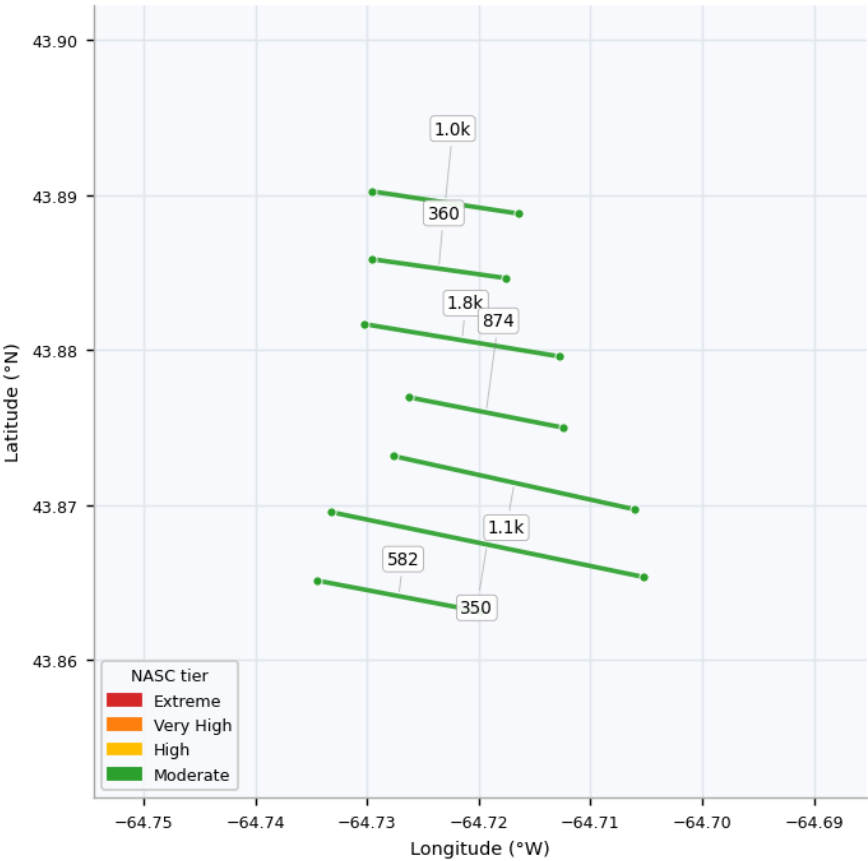
#	Region	NASC	Depth	Position
1	AS_TS05	1,622	8.4 fath	43.9331, -64.6894
2	AS_TS03	1,264	8.9 fath	43.9375, -64.6934
3	AS_TS07	666	9.4 fath	43.9285, -64.6842

SH_Nov2-2 — Saltwater Hunter

Date(s): 2024-11-02 · Transects: 7 · Total NASC: 6,036

Mean NASC	862	Avg depth	7.5 fath
Median NASC	874	Depth range	6.0-9.2 fath
Peak NASC	1,758	Lat range	43.8641-43.8895
Tiers	E:0 VH:0 H:0 M:7	Lon range	-64.7272--64.7168

Saltwater Hunter ran a November 2024 survey (02-11-2024) covering 7 transects. Total NASC was 6,036 with a peak reading of 1,758 on SH2_TS03 at 43.8806°N, 64.7215°W in 8.0 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 7.5 fathoms (6.0-9.2 fathoms). The survey covered roughly 0.8 km E-W by 2.8 km N-S. Centered on the November spawning bed area at 43.93°N / 64.72°W.



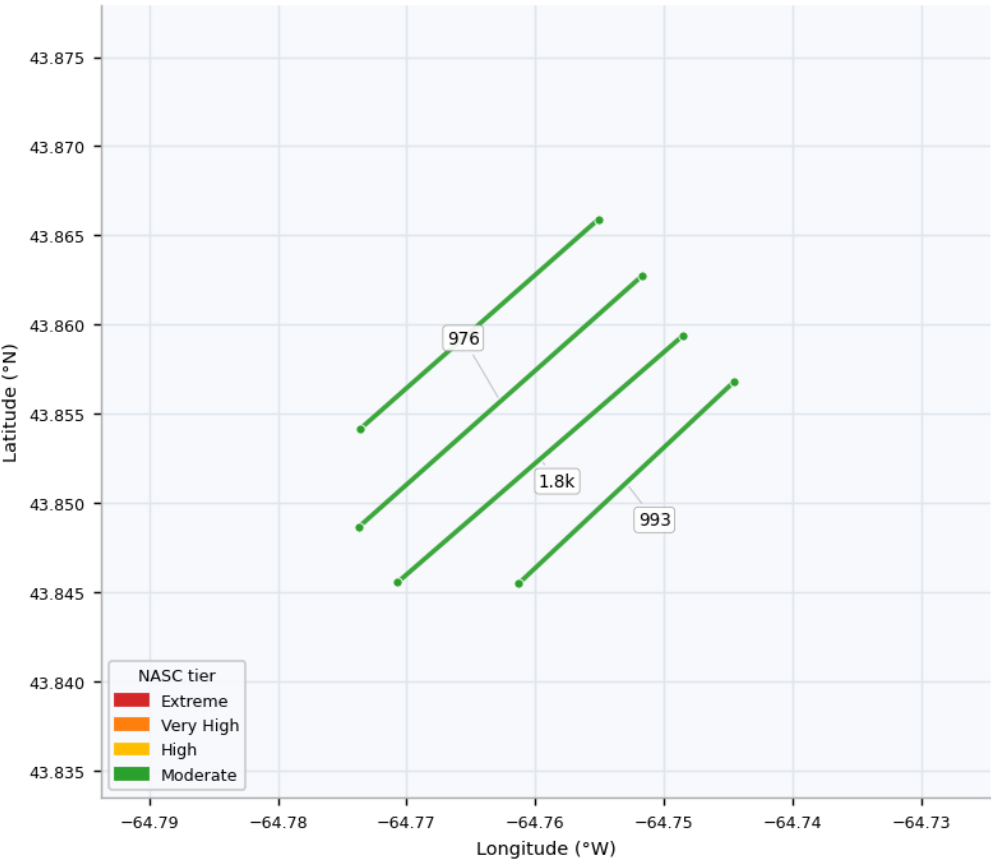
#	Region	NASC	Depth	Position
1	SH2_TS03	1,758	8.0 fath	43.8806, -64.7215
2	SH2_TS05	1,071	7.5 fath	43.8715, -64.7168
3	SH2_TS01	1,041	6.4 fath	43.8895, -64.7230

SH_Nov2 — Saltwater Hunter

Date(s): 2024-11-02 · Transects: 4 · Total NASC: 3,805

Mean NASC	951	Avg depth	7.3 fath
Median NASC	984	Depth range	6.2-7.8 fath
Peak NASC	1,825	Lat range	43.8511-43.8600
Tiers	E:0 VH:0 H:0 M:4	Lon range	-64.7644--64.7529

Saltwater Hunter ran a November 2024 survey (02-11-2024) covering 4 transects. Total NASC was 3,805 with a peak reading of 1,825 on SH_TS02 at 43.8525°N, 64.7596°W in 7.8 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 7.3 fathoms (6.2-7.8 fathoms). The survey covered roughly 0.9 km E-W by 1.0 km N-S.



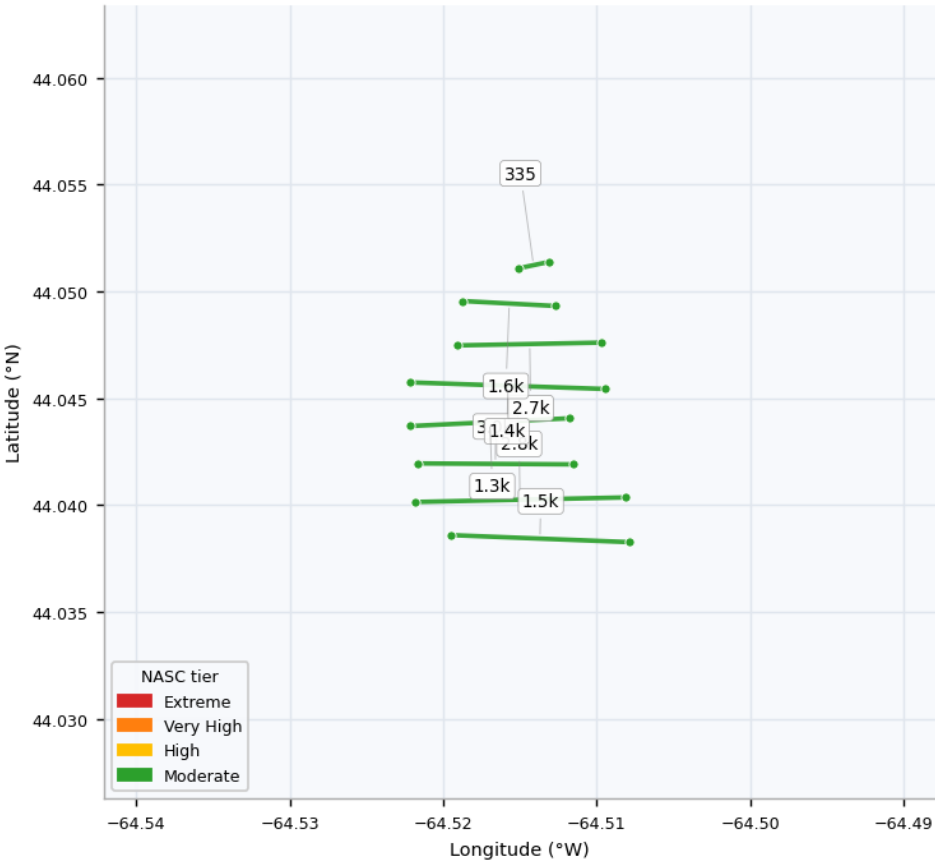
#	Region	NASC	Depth	Position
1	SH_TS02	1,825	7.8 fath	43.8525, -64.7596
2	SH_TS01	993	7.7 fath	43.8511, -64.7529
3	SH_TS03	976	7.5 fath	43.8557, -64.7627

E8_Nov3 — Unknown

Date(s): 2024-11-03 · Transects: 8 · Total NASC: 14,637

Mean NASC	1,830	Avg depth	8.5 fath
Median NASC	1,555	Depth range	8.3-8.9 fath
Peak NASC	3,007	Lat range	44.0384-44.0512
Tiers	E:0 VH:0 H:0 M:8	Lon range	-64.5170--64.5137

an unknown vessel ran a November 2024 survey (03-11-2024) covering 8 transects. Total NASC was 14,637 with a peak reading of 3,007 on E8_TS03 at 44.0419°N, 64.5166°W in 8.3 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 8.5 fathoms (8.3-8.9 fathoms). The survey covered roughly 0.3 km E-W by 1.4 km N-S. Worked the northeast staging area — this zone produced multiple Extreme readings during October.



#	Region	NASC	Depth	Position
1	E8_TS03	3,007	8.3 fath	44.0419, -64.5166
2	E8_TS02	2,752	8.7 fath	44.0403, -64.5150
3	E8_TS06	2,690	8.8 fath	44.0475, -64.5144

Methods and Notes

Each survey CSV exported from Echoview was parsed for transect rows where Region_class = 'Transects'. Per-transect NASC was assigned to one of four concentration tiers based on the 2024-2025 dataset percentiles: **Extreme** (≥ 95 th percentile, $\text{NASC} \geq 15,887 \text{ m}^2/\text{nmi}^2$), **Very High** (90-95th, 9,667-15,887), **High** (75-90th, 3,972-9,667), **Moderate** (< 75 th, $< 3,972$).

All depth values shown are in fathoms (1 fathom = 1.8288 m, 6 feet). Per-survey graphs draw transect lines from the recorded start (Lat_S, Lon_S) to end (Lat_E, Lon_E) coordinates with NASC values labelled at line midpoints. For interactive maps with proper DFO ENC chart and bathymetry overlays, see the companion HTML maps (NASC_map.html, herring_seasonal_map.html, herring_animation_map.html, herring_heatmap.html).