

2025 Herring Surveys

Per-Survey Analysis & Overall Report

Survey period:	2025-08-20 — 2025-11-14
Total surveys analyzed:	23
Total transects:	202
Survey dates:	17
Vessels:	Bomp n Tom, Eagle II, Eagle VIII, 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 2025 season consisted of **23 surveys** totaling **202 transects** across **17 unique survey dates** from 2025-08-20 to 2025-11-14. Cumulative NASC totaled **1,590,554 m²/nmi²**, with the single highest reading at **126,802** — recorded by Bomp n Tom on 2025-10-15 at 43.9033°N, 64.6519°W in 11.2 fath.

Concentration breakdown: **17 Extreme, 15 Very High, 38 High, 132 Moderate**. The seasonal pattern matches the established spawning migration: schools build through August-September, peak in October at staging depths around 11-14 fathoms, then collapse onto the spawning bed near **43.93°N, 64.72°W** in November at 4-7 fathoms.

Top 5 hottest transects of 2025

#	NASC	Region	Vessel	Date	Position	Depth
1	126,802	BT_TS05	Bomp n Tom	2025-10-15	43.9033, -64.6519	11.2 fath
2	115,919	E8_TS03	Eagle VIII	2025-10-14	44.0219, -64.5125	11.7 fath
3	92,854	E8_TS01	Eagle VIII	2025-10-14	44.0183, -64.5146	12.7 fath
4	87,503	E8_TS02	Eagle VIII	2025-10-24	43.9939, -64.5606	13.2 fath
5	80,406	E8_TS05	Eagle VIII	2025-10-24	43.9901, -64.5647	12.7 fath

Overall 2025 Analysis

Season effort and coverage. The 2025 program ran 23 surveys across 17 unique dates from August 20 through November 14, totaling 202 transects. Five vessels participated: Bomp n Tom, Eagle II, Eagle VIII, Saltwater Hunter, with Bomp n Tom contributing the most transects (71) and Eagle VIII contributing the most biomass (1,003,315 cumulative NASC). Coverage was concentrated along the south shore between Lockeport and Mahone Bay, with surveys clustered around the well-known staging and spawning grounds.

Temporal pattern. Survey effort was loosely distributed across August (23 transects), September (69), October (70), and November (40). The October pulse showed the highest biomass concentration of the season, with 16 hotspot transects collectively totaling close to a million NASC — consistent with pre-spawn staging behaviour. November effort was lighter (only 4 dates surveyed) but produced concentrated readings tightly clustered geographically, matching the spawning-bed signature observed in 2024.

Geographic findings. Three distinct hot zones emerged in 2025. The northeast shelf (50 transects) around 44.02°N / 64.51°W produced the highest cumulative NASC, dominated by Eagle VIII's mid-October trips with multiple Extreme readings at 12-13 fathoms. The central pre-spawn area (104 transects) around 43.90°N / 64.65°W consistently held large schools across both September and October, and is the same staging zone identified in the 2024 analysis. The southwestern shelf (31 transects) below 43.7°N held mostly background-level fish — useful for characterising population spread but not a fishing target.

Vessel coordination. Multiple vessels worked the same areas on consecutive days in several windows (notably September 11-12 and October 14-15), providing replicated readings on the same hot zones. This is exceptionally useful for confirming school presence — when two vessels independently log Extreme NASC within a 24-hour window in the same 5 km box, you can be confident it is a real aggregation rather than a single-pass artifact. The October 14-15 window in particular saw Eagle VIII, Bomp n Tom, and Saltwater Hunter all log readings above 50,000 NASC within ~3 km of each other.

Recommendations for future seasons. First, prioritize the northeast staging area (44.02°N / 64.51°W) for early-October surveys; it consistently delivers the largest schools at 12-13 fathoms before they move inshore to spawn. Second, the southwestern shelf below 43.7°N had low return on effort; reducing transect density there in future seasons would free up vessel time for higher-value areas. Third, capturing more readings in the 8-12 fathom band during early November would directly characterize the spawning event itself, currently the thinnest part of the dataset.

Spatial distribution by month

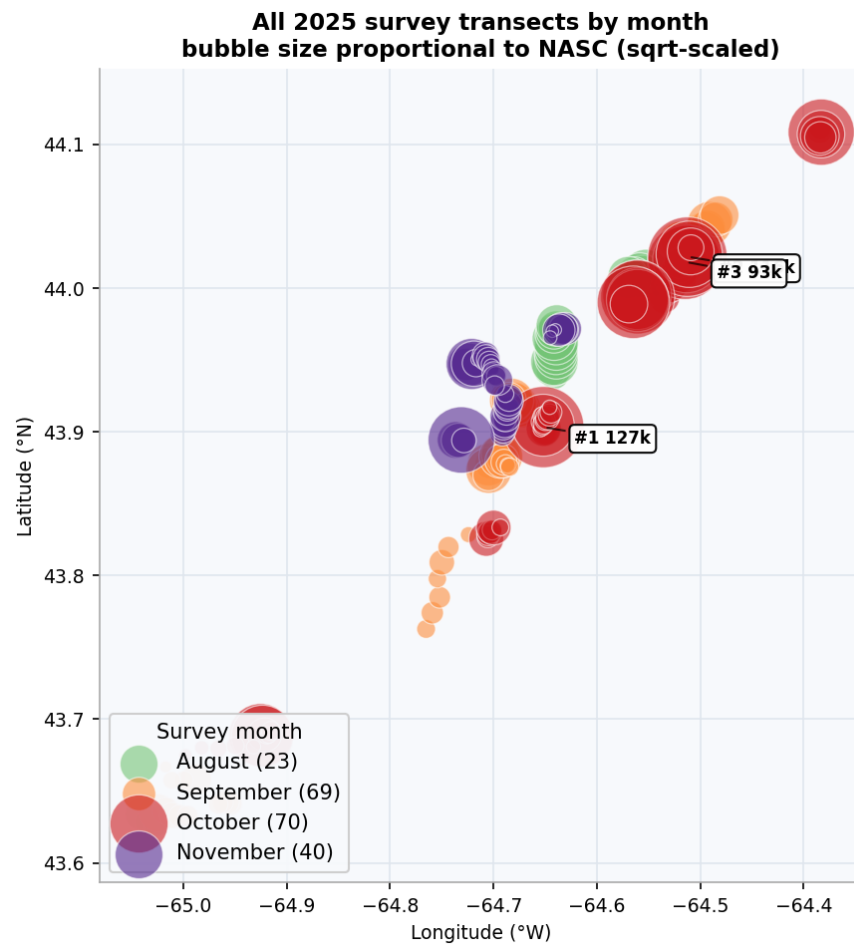


Figure A. All 2025 transect midpoints by survey month. Bubble size is proportional to NASC (sqrt-scaled). Top 3 hottest readings labelled with their rank.

Biomass by month

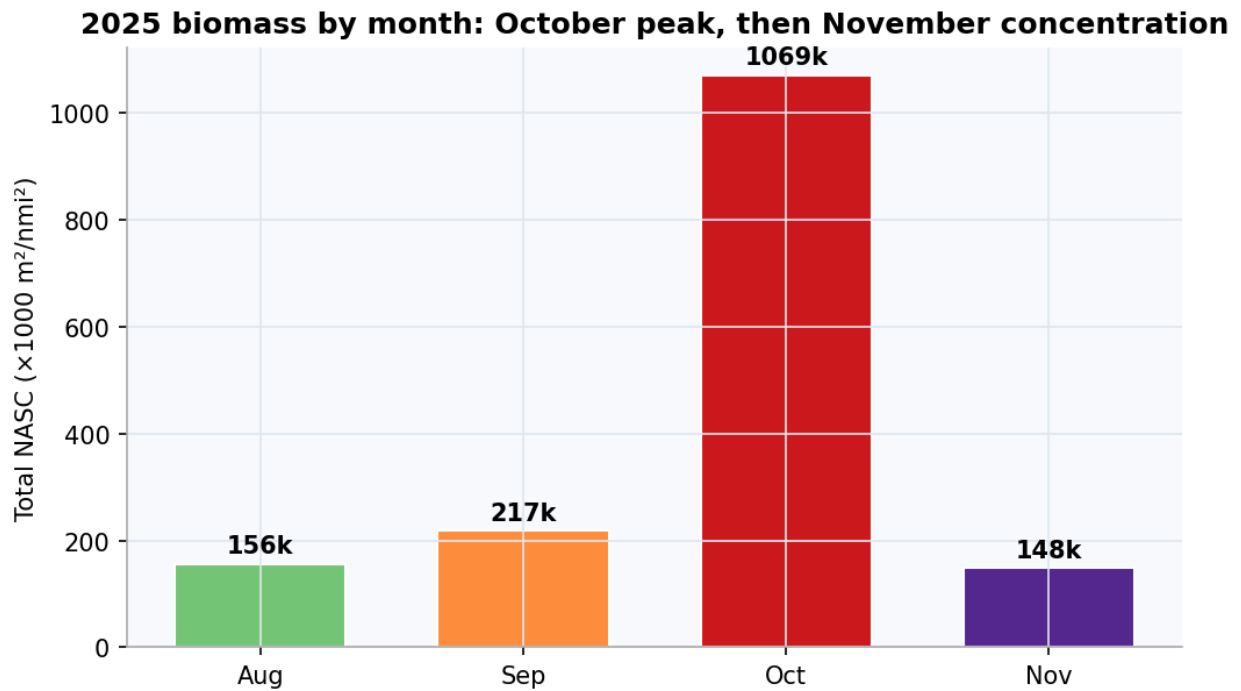


Figure B. Monthly total NASC across all 2025 surveys.

Concentration tiers by month

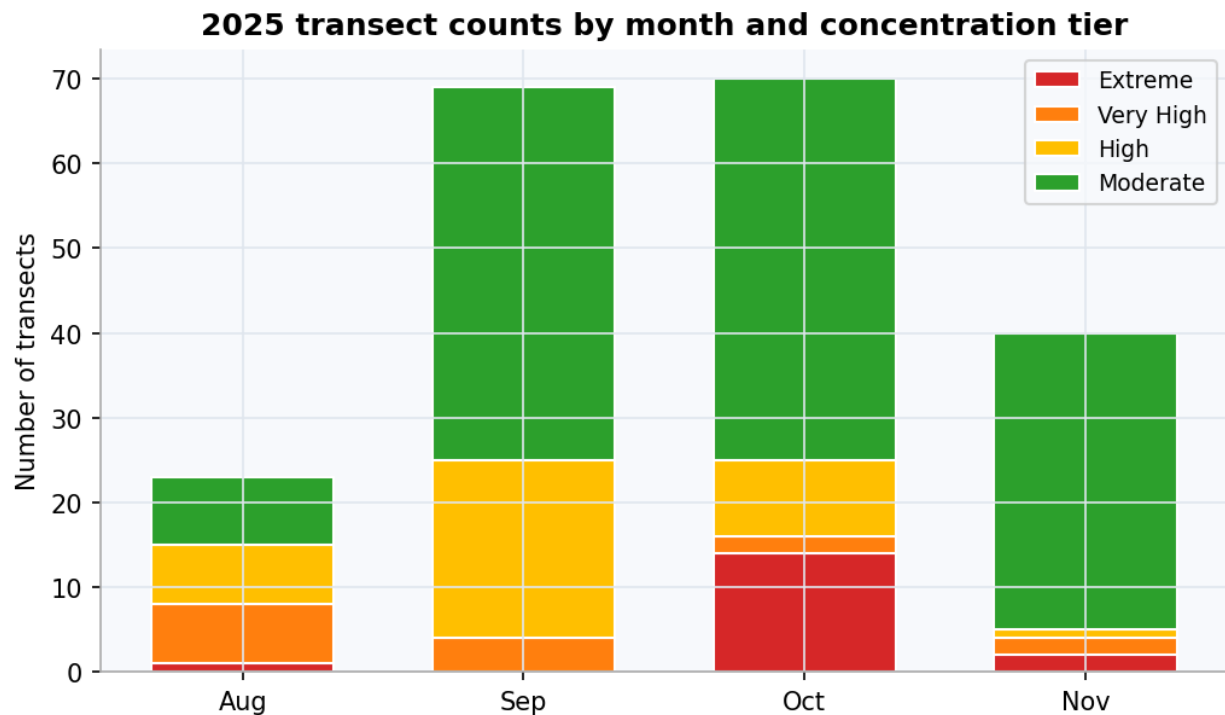


Figure C. Stacked-bar concentration tier counts by month.

Vessel effort and biomass

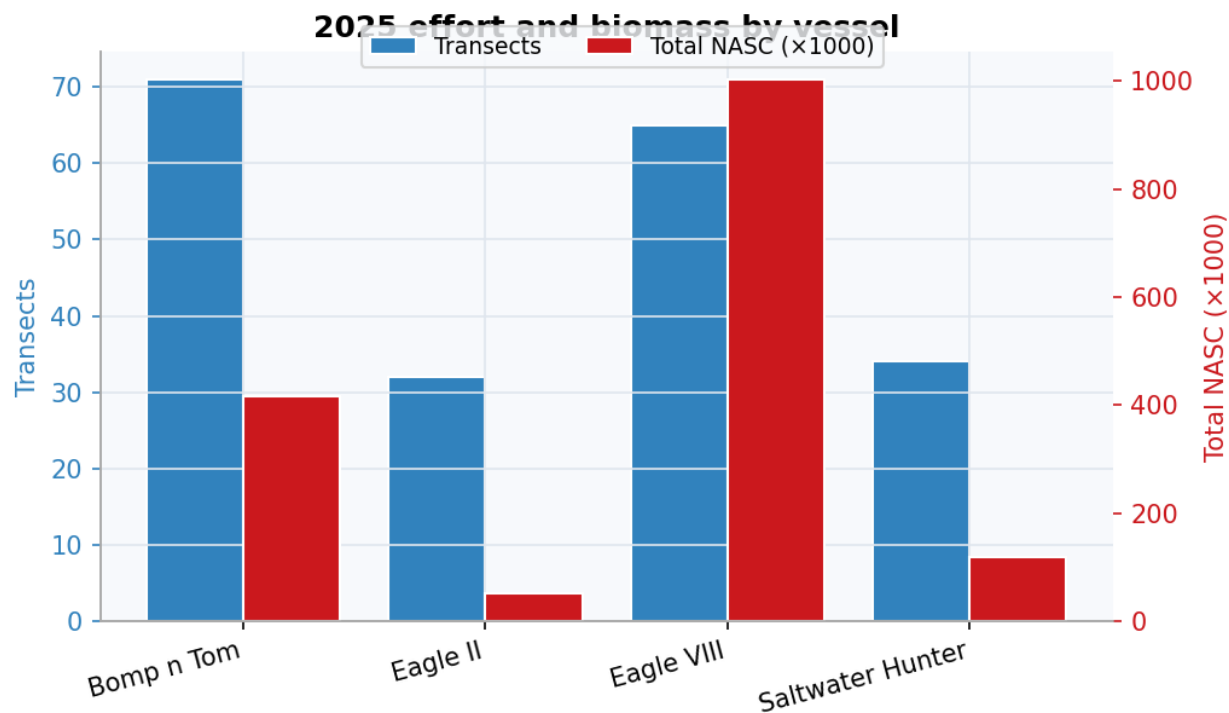


Figure D. Per-vessel summary: blue bars = transect counts, red bars = total NASC contribution.

NASC vs depth

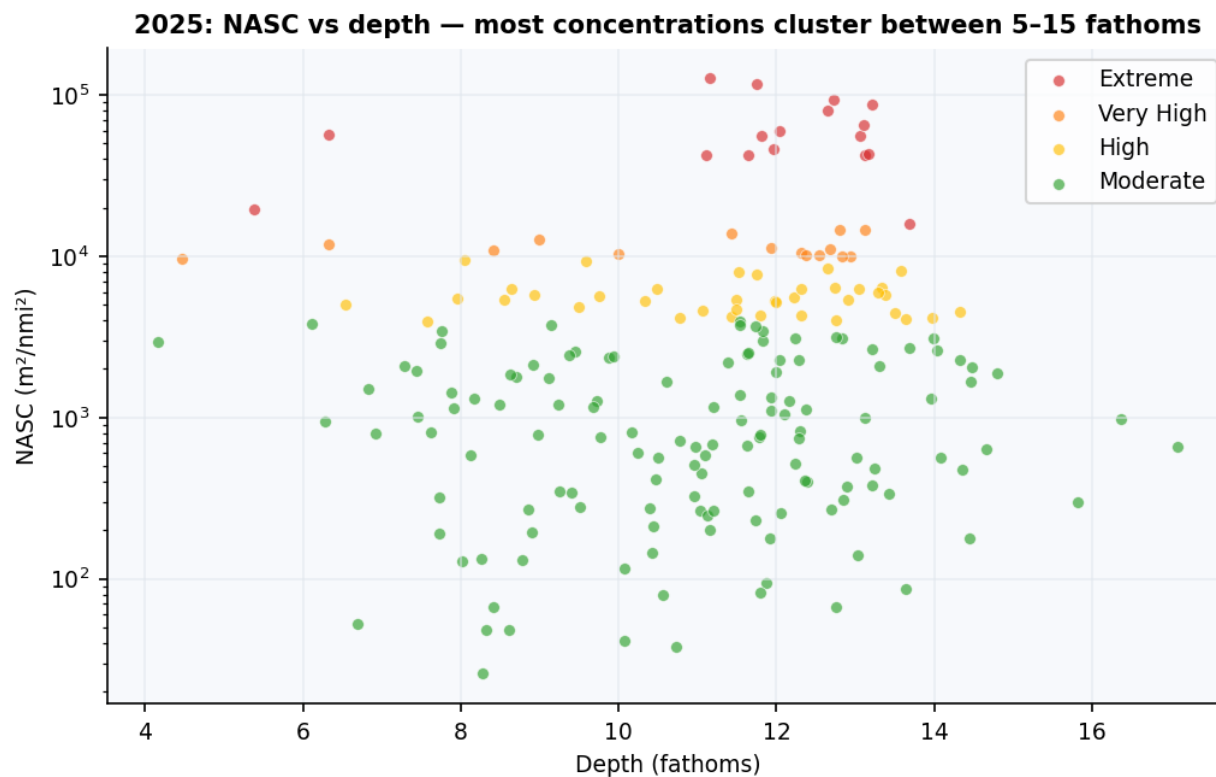


Figure E. NASC plotted against transect mean depth (fathoms) for all 2025 readings.

Daily NASC time series

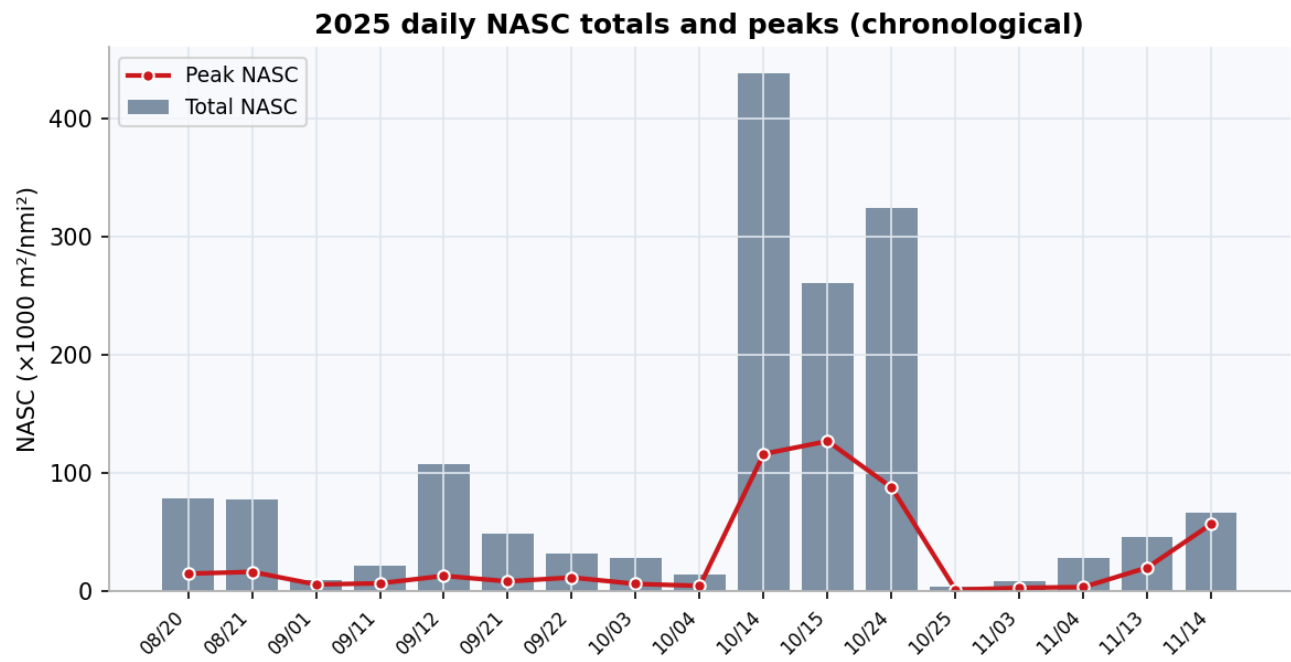


Figure F. Per-date totals (blue bars) and peak readings (red line) chronologically through 2025.

Per-Survey Reports

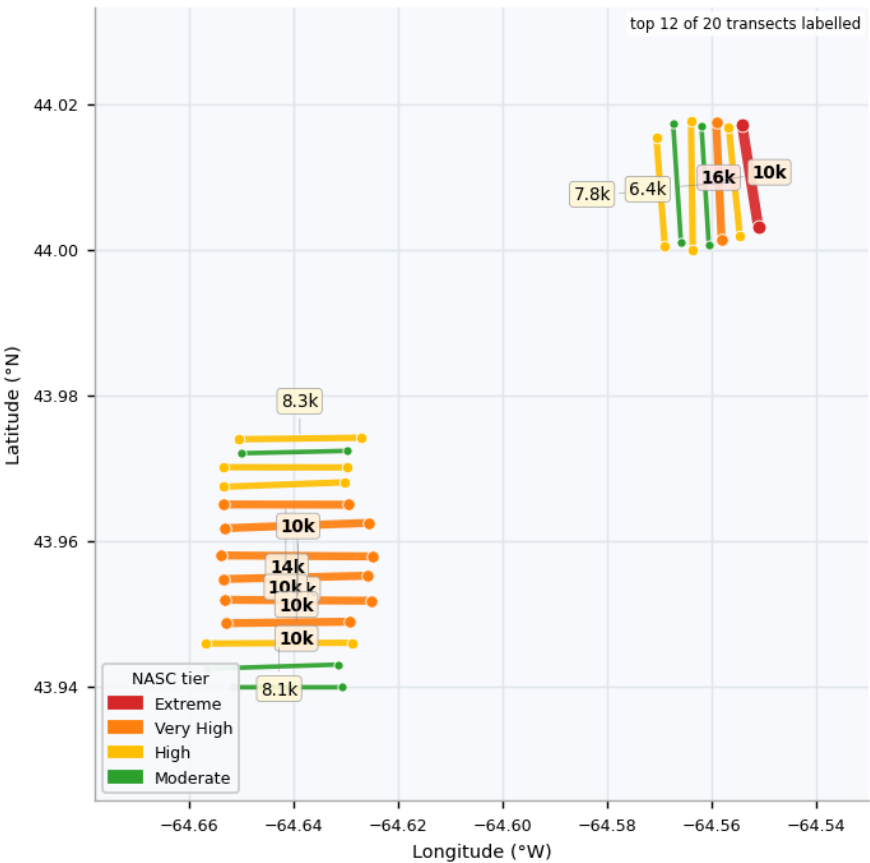
The remainder of this document presents one section per 2025 survey CSV, sorted chronologically. Each chart shows transects drawn as colored lines (color = NASC tier, line thickness scales with tier) with NASC values labelled at line midpoints. Up to 12 highest-NASC transects per survey are labelled to keep graphs readable. A brief summary of the survey is included with each.

E8_Aug21_25 — Eagle VIII

Date(s): 2025-08-20, 2025-08-21 · **Transects:** 20 · **Total NASC:** 152,309

Mean NASC	7,615	Avg depth	12.6 fath
Median NASC	7,944	Depth range	11.1-14.5 fath
Peak NASC	15,981	Lat range	43.9398-44.0101
Tiers	E:1 VH:7 H:7 M:5	Lon range	-64.6440--64.5527

Eagle VIII ran a 2-day survey in August 2025, covering 20 transects. Total NASC was 152,309 with a peak reading of 15,981 on E82_TS01 at 44.0101°N, 64.5527°W in 13.7 fathoms. 1 transect hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 12.6 fathoms (11.1-14.5 fathoms). The survey covered roughly 7.1 km E-W by 7.8 km N-S.



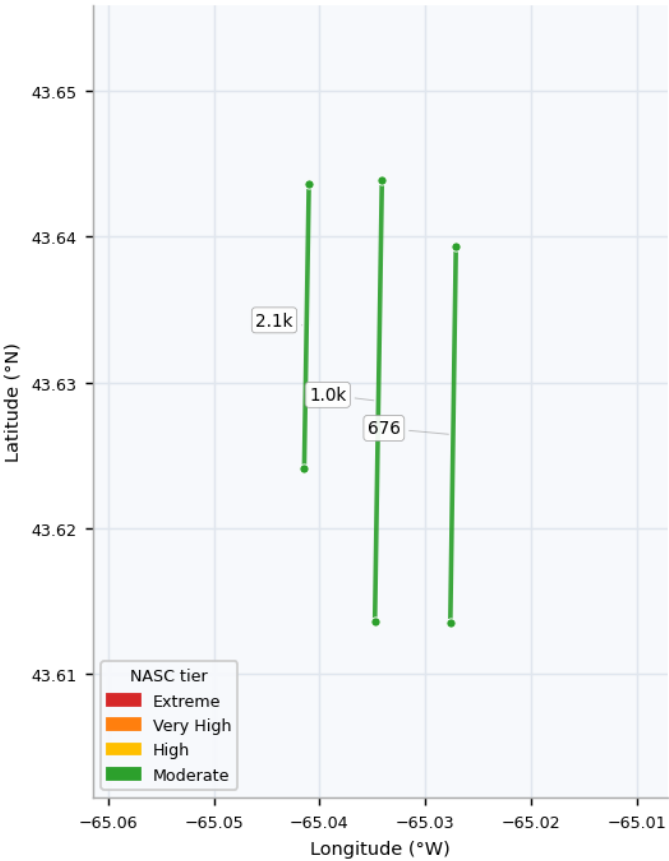
#	Region	NASC	Depth	Position
1	E82_TS01	15,981	13.7 fath	44.0101, -64.5527
2	E8_TS04	14,482	12.8 fath	43.9488, -64.6412
3	E8_TS08	11,008	12.7 fath	43.9621, -64.6394

SH_Aug21_25 — Saltwater Hunter

Date(s): 2025-08-21 · Transects: 3 · Total NASC: 3,767

Mean NASC	1,256	Avg depth	8.8 fath
Median NASC	1,006	Depth range	7.3-11.6 fath
Peak NASC	2,084	Lat range	43.6264-43.6339
Tiers	E:0 VH:0 H:0 M:3	Lon range	-65.0412--65.0274

Saltwater Hunter ran a August 2025 survey (21-08-2025) covering 3 transects. Total NASC was 3,767 with a peak reading of 2,084 on SH_TS01 at 43.6339°N, 65.0412°W in 7.3 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 8.8 fathoms (7.3-11.6 fathoms). The survey covered roughly 1.1 km E-W by 0.8 km N-S. Surveyed the southwestern shelf, typically lower-density feeding grounds.



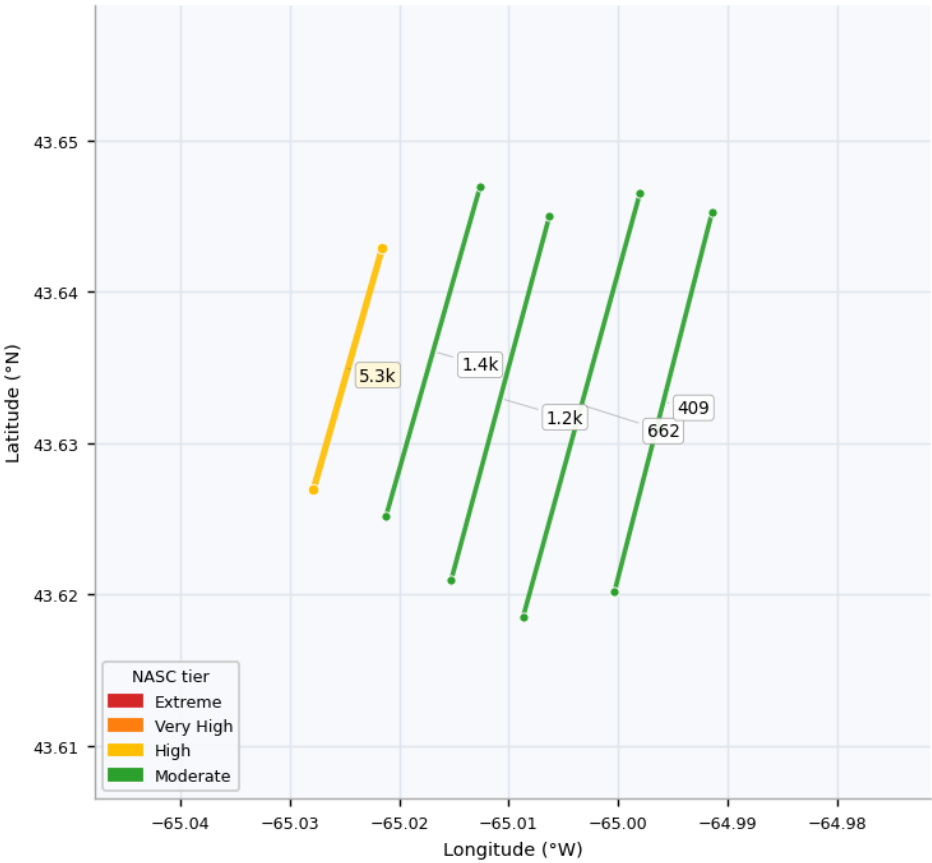
#	Region	NASC	Depth	Position
1	SH_TS01	2,084	7.3 fath	43.6339, -65.0412
2	SH_TS02	1,006	7.4 fath	43.6287, -65.0344
3	SH_TS03	676	11.6 fath	43.6264, -65.0274

SH_Sep02_25 — Saltwater Hunter

Date(s): 2025-09-01 · Transects: 5 · Total NASC: 8,940

Mean NASC	1,788	Avg depth	11.3 fath
Median NASC	1,160	Depth range	10.3-12.4 fath
Peak NASC	5,321	Lat range	43.6325-43.6361
Tiers	E:0 VH:0 H:1 M:4	Lon range	-65.0247--64.9959

Saltwater Hunter ran a September 2025 survey (01-09-2025) covering 5 transects. Total NASC was 8,940 with a peak reading of 5,321 on SW_TS01 at 43.6349°N, 65.0247°W in 10.3 fathoms. Moderate-to-High readings only (20% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 11.3 fathoms (10.3-12.4 fathoms). The survey covered roughly 2.2 km E-W by 0.4 km N-S. Surveyed the southwestern shelf, typically lower-density feeding grounds.



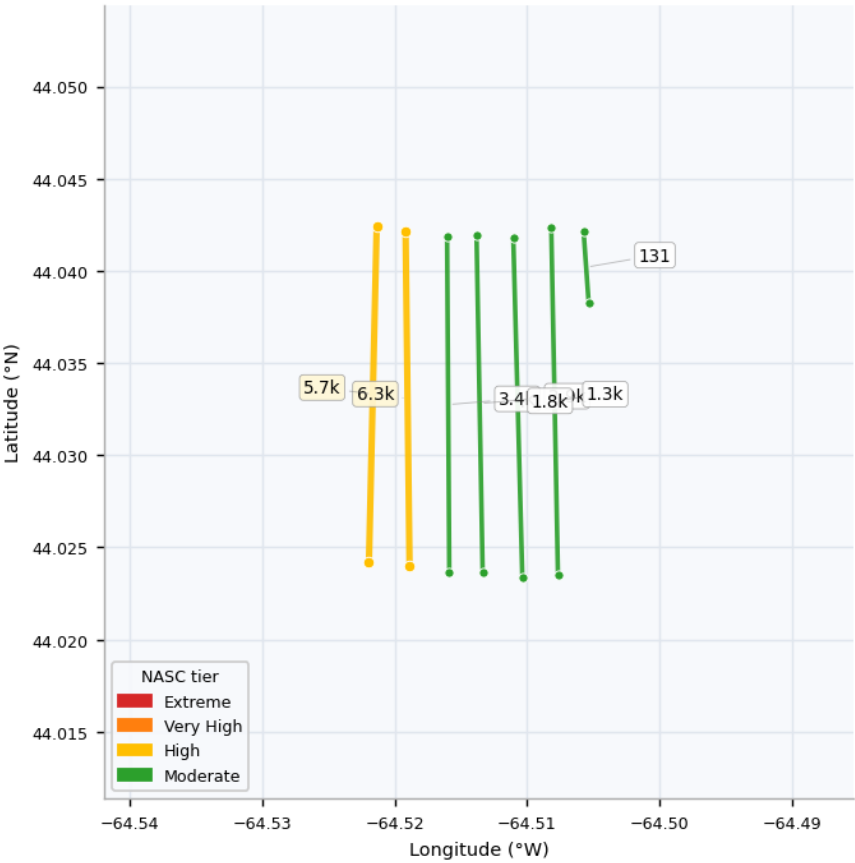
#	Region	NASC	Depth	Position
1	SW_TS01	5,321	10.3 fath	43.6349, -65.0247
2	SW_TS02	1,387	11.5 fath	43.6361, -65.0169
3	SW_TS03	1,160	11.2 fath	43.6330, -65.0108

E2_Sept12_25 — Eagle II

Date(s): 2025-09-11, 2025-09-12 · Transects: 7 · Total NASC: 21,484

Mean NASC	3,069	Avg depth	8.7 fath
Median NASC	2,880	Depth range	7.7-9.8 fath
Peak NASC	6,271	Lat range	44.0326-44.0402
Tiers	E:0 VH:0 H:2 M:5	Lon range	-64.5216--64.5055

Eagle II ran a 2-day survey in September 2025, covering 7 transects. Total NASC was 21,484 with a peak reading of 6,271 on E2_TS02 at 44.0331°N, 64.5190°W in 8.6 fathoms. Moderate-to-High readings only (29% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 8.7 fathoms (7.7-9.8 fathoms). The survey covered roughly 1.3 km E-W by 0.8 km N-S. Worked the northeast staging area near the Eagle VIII / Saltwater Hunter October hot zone.



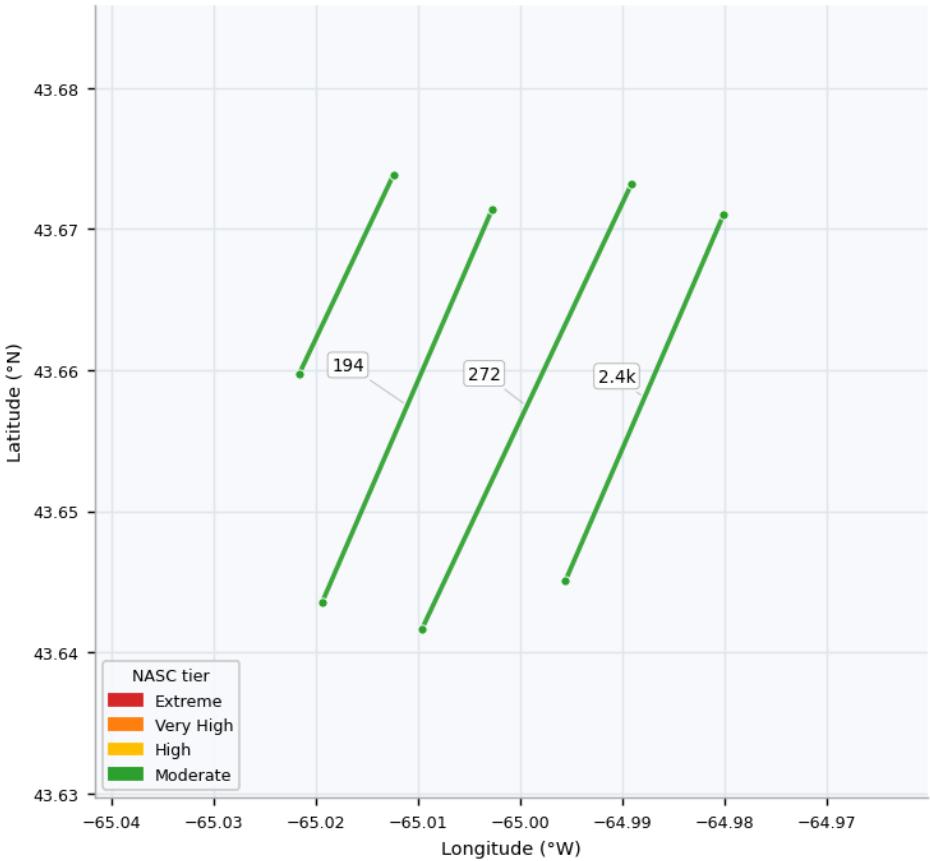
#	Region	NASC	Depth	Position
1	E2_TS02	6,271	8.6 fath	44.0331, -64.5190
2	E2_TS01	5,668	9.8 fath	44.0333, -64.5216
3	E2_TS03	3,419	7.8 fath	44.0327, -64.5160

SH_Sep12_25 — Saltwater Hunter

Date(s): 2025-09-11 · Transects: 4 · Total NASC: 2,891

Mean NASC	723	Avg depth	9.0 fath
Median NASC	233	Depth range	8.3-9.9 fath
Peak NASC	2,400	Lat range	43.6574-43.6668
Tiers	E:0 VH:0 H:0 M:4	Lon range	-65.0171--64.9879

Saltwater Hunter ran a September 2025 survey (11-09-2025) covering 4 transects. Total NASC was 2,891 with a peak reading of 2,400 on SH_TS01 at 43.6580°N, 64.9879°W in 9.9 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 9.0 fathoms (8.3-9.9 fathoms). The survey covered roughly 2.3 km E-W by 1.0 km N-S. Surveyed the southwestern shelf, typically lower-density feeding grounds.



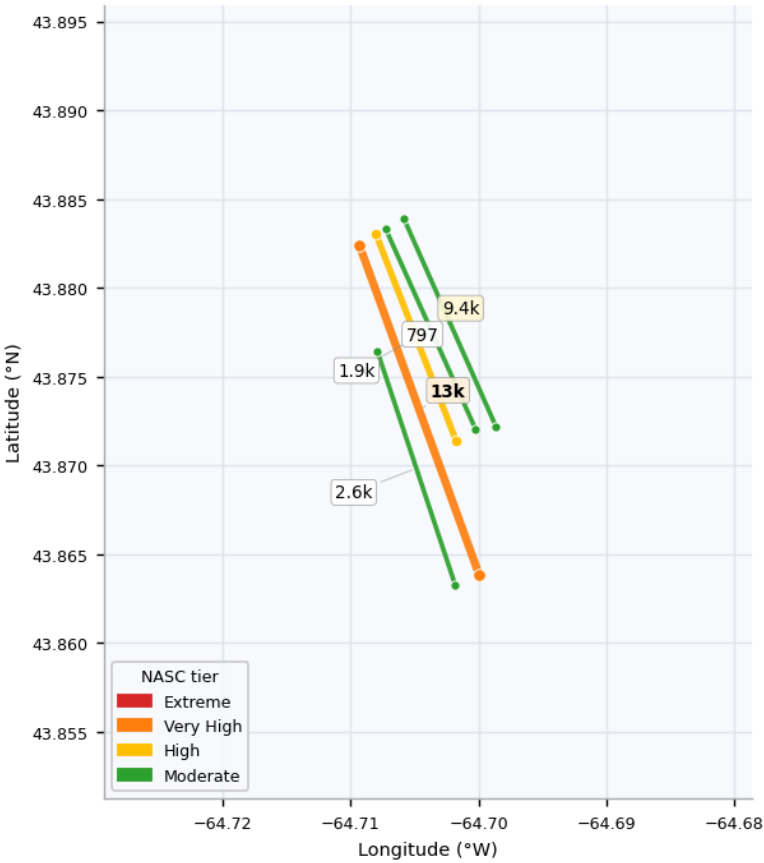
#	Region	NASC	Depth	Position
1	SH_TS01	2,400	9.9 fath	43.6580, -64.9879
2	SH_TS02	272	8.9 fath	43.6574, -64.9994
3	SH_TS03	194	8.9 fath	43.6575, -65.0111

BT_Sept12_25_Survey1 — Bomp n Tom

Date(s): 2025-09-12 · Transects: 5 · Total NASC: 27,342

Mean NASC	5,468	Avg depth	8.2 fath
Median NASC	2,567	Depth range	6.9-9.4 fath
Peak NASC	12,599	Lat range	43.8698-43.8780
Tiers	E:0 VH:1 H:1 M:3	Lon range	-64.7049--64.7022

Bomp n Tom ran a September 2025 survey (12-09-2025) covering 5 transects. Total NASC was 27,342 with a peak reading of 12,599 on BT_TS04 at 43.8731°N, 64.7046°W in 9.0 fathoms. 1 Very High reading but no Extreme tier hits — consistent with feeding/transit activity rather than a major aggregation. Mean working depth was 8.2 fathoms (6.9-9.4 fathoms). The survey covered roughly 0.2 km E-W by 0.9 km N-S. Centered on the November spawning bed area.



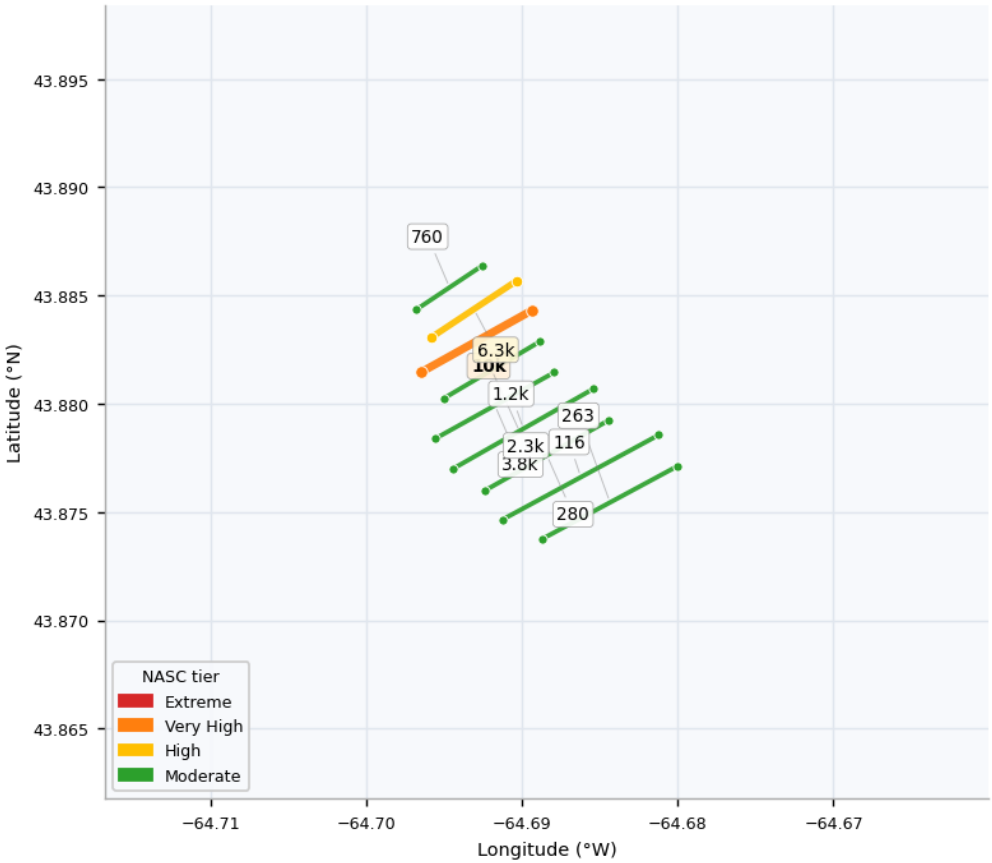
#	Region	NASC	Depth	Position
1	BT_TS04	12,599	9.0 fath	43.8731, -64.7046
2	BT_TS03	9,433	8.1 fath	43.8772, -64.7049
3	BT_TS05	2,567	9.4 fath	43.8698, -64.7049

BT_Sept12_25_Survey2 — Bomp n Tom

Date(s): 2025-09-12 · Transects: 9 · Total NASC: 25,326

Mean NASC	2,814	Avg depth	9.9 fath
Median NASC	1,205	Depth range	9.1-11.2 fath
Peak NASC	10,322	Lat range	43.8754-43.8854
Tiers	E:0 VH:1 H:1 M:7	Lon range	-64.6946--64.6843

Bomp n Tom ran a September 2025 survey (12-09-2025) covering 9 transects. Total NASC was 25,326 with a peak reading of 10,322 on BT_TS03 at 43.8829°N, 64.6929°W in 10.0 fathoms. 1 Very High reading but no Extreme tier hits — consistent with feeding/transit activity rather than a major aggregation. Mean working depth was 9.9 fathoms (9.1-11.2 fathoms). The survey covered roughly 0.8 km E-W by 1.1 km N-S. Centered on the November spawning bed area.



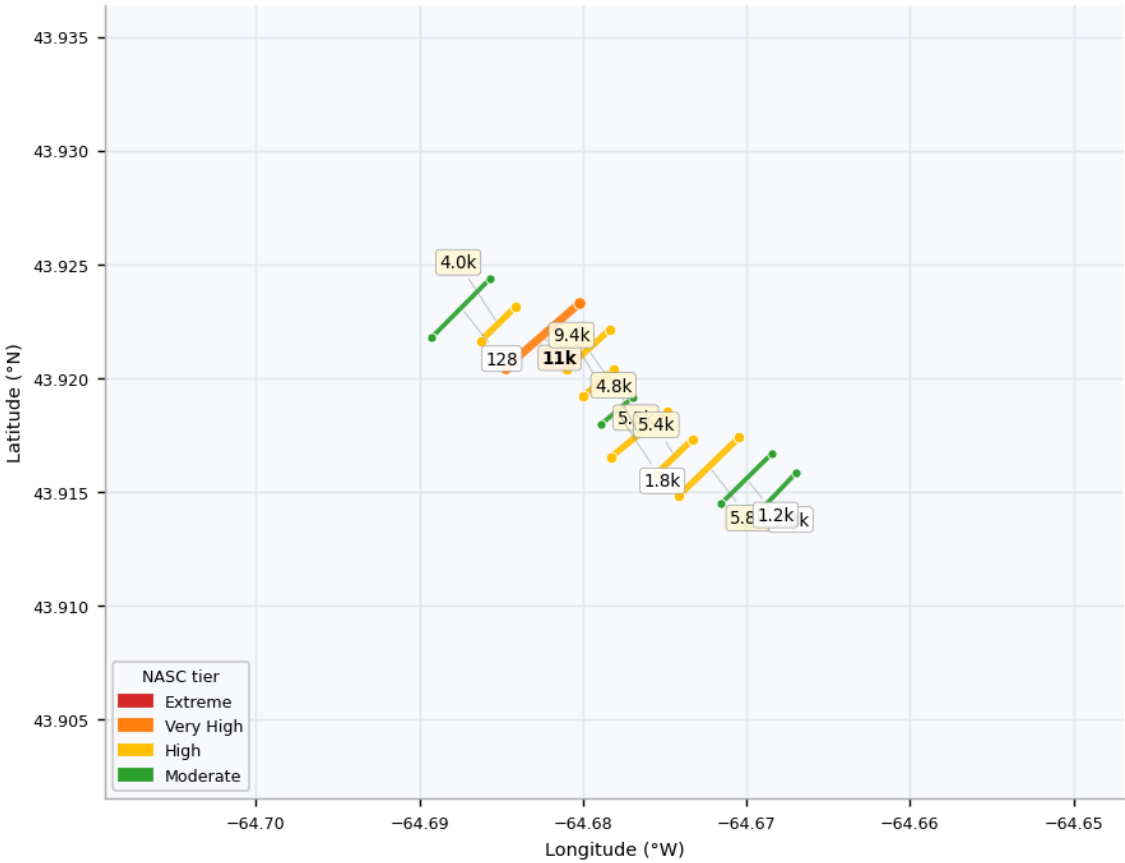
#	Region	NASC	Depth	Position
1	BT_TS03	10,322	10.0 fath	43.8829, -64.6929
2	BT_TS02	6,270	10.5 fath	43.8844, -64.6931
3	BT_TS05	3,764	9.1 fath	43.8799, -64.6917

BT_Sept12_25_Survey3 — Bomp n Tom

Date(s): 2025-09-12 · Transects: 11 · Total NASC: 50,619

Mean NASC	4,602	Avg depth	8.6 fath
Median NASC	4,814	Depth range	7.6-9.6 fath
Peak NASC	10,959	Lat range	43.9147-43.9231
Tiers	E:0 VH:1 H:6 M:4	Lon range	-64.6874--64.6685

Bomp n Tom ran a September 2025 survey (12-09-2025) covering 11 transects. Total NASC was 50,619 with a peak reading of 10,959 on BT_TS09 at 43.9219°N, 64.6825°W in 8.4 fathoms. 1 Very High reading but no Extreme tier hits — consistent with feeding/transit activity rather than a major aggregation. Mean working depth was 8.6 fathoms (7.6-9.6 fathoms). The survey covered roughly 1.5 km E-W by 0.9 km N-S. Centered on the November spawning bed area.



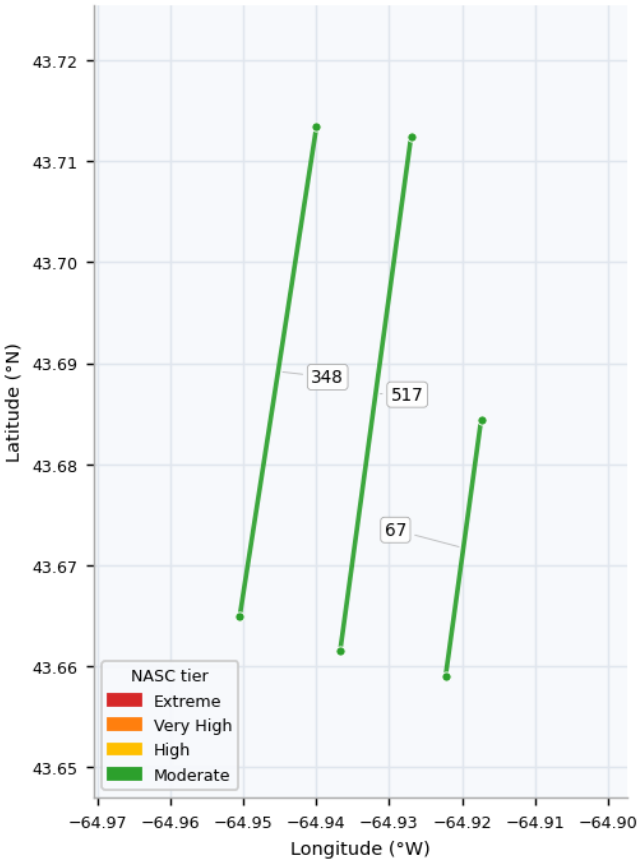
#	Region	NASC	Depth	Position
1	BT_TS09	10,959	8.4 fath	43.9219, -64.6825
2	BT_TS07	9,392	9.6 fath	43.9198, -64.6790
3	BT_TS03	5,757	8.9 fath	43.9161, -64.6723

SH_Sep12_25_Survey2 — Saltwater Hunter

Date(s): 2025-09-12 · Transects: 3 · Total NASC: 931

Mean NASC	310	Avg depth	12.2 fath
Median NASC	348	Depth range	11.6-12.8 fath
Peak NASC	517	Lat range	43.6717-43.6892
Tiers	E:0 VH:0 H:0 M:3	Lon range	-64.9452--64.9198

Saltwater Hunter ran a September 2025 survey (12-09-2025) covering 3 transects. Total NASC was 931 with a peak reading of 517 on SH_TS02 at 43.6870°N, 64.9318°W in 12.2 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 12.2 fathoms (11.6-12.8 fathoms). The survey covered roughly 2.0 km E-W by 1.9 km N-S.



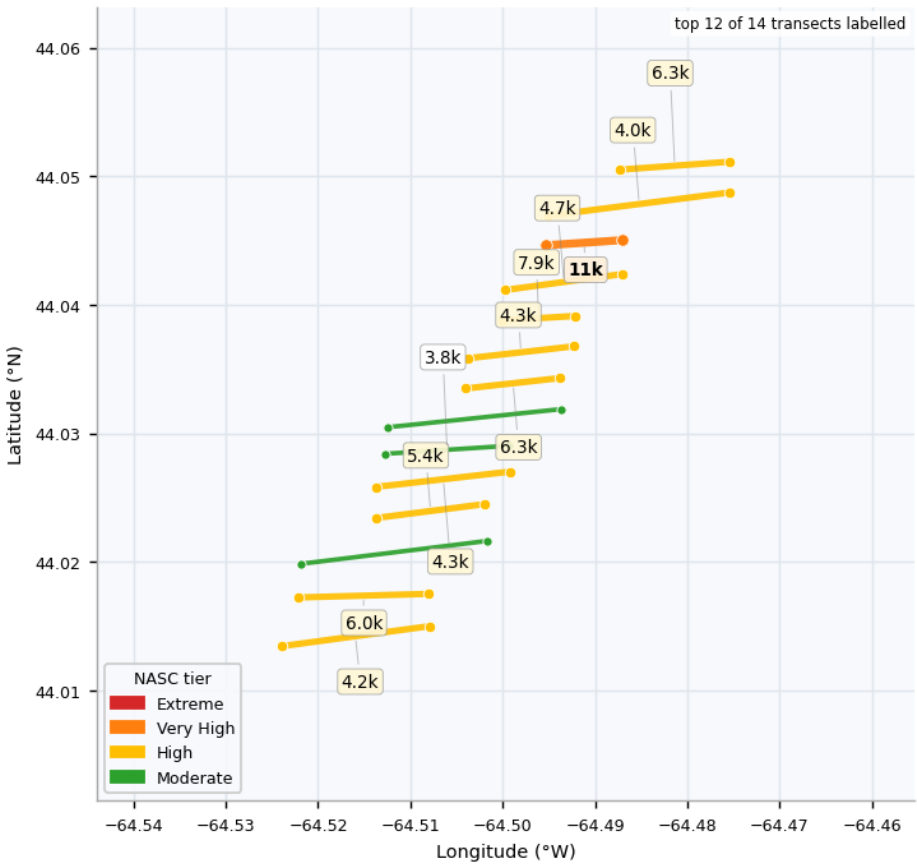
#	Region	NASC	Depth	Position
1	SH_TS02	517	12.2 fath	43.6870, -64.9318
2	SH_TS01	348	11.6 fath	43.6892, -64.9452
3	SH_TS03	67	12.8 fath	43.6717, -64.9198

E8_Sept22_25 — Eagle VIII

Date(s): 2025-09-21, 2025-09-22 · Transects: 14 · Total NASC: 73,893

Mean NASC	5,278	Avg depth	12.4 fath
Median NASC	4,512	Depth range	11.5-14.0 fath
Peak NASC	11,235	Lat range	44.0142-44.0508
Tiers	E:0 VH:1 H:10 M:3	Lon range	-64.5160--64.4814

Eagle VIII ran a 2-day survey in September 2025, covering 14 transects. Total NASC was 73,893 with a peak reading of 11,235 on E8_TS12 at 44.0448°N, 64.4912°W in 11.9 fathoms. 1 Very High reading but no Extreme tier hits — consistent with feeding/transit activity rather than a major aggregation. Mean working depth was 12.4 fathoms (11.5-14.0 fathoms). The survey covered roughly 2.7 km E-W by 4.1 km N-S. Worked the northeast staging area near the Eagle VIII / Saltwater Hunter October hot zone.



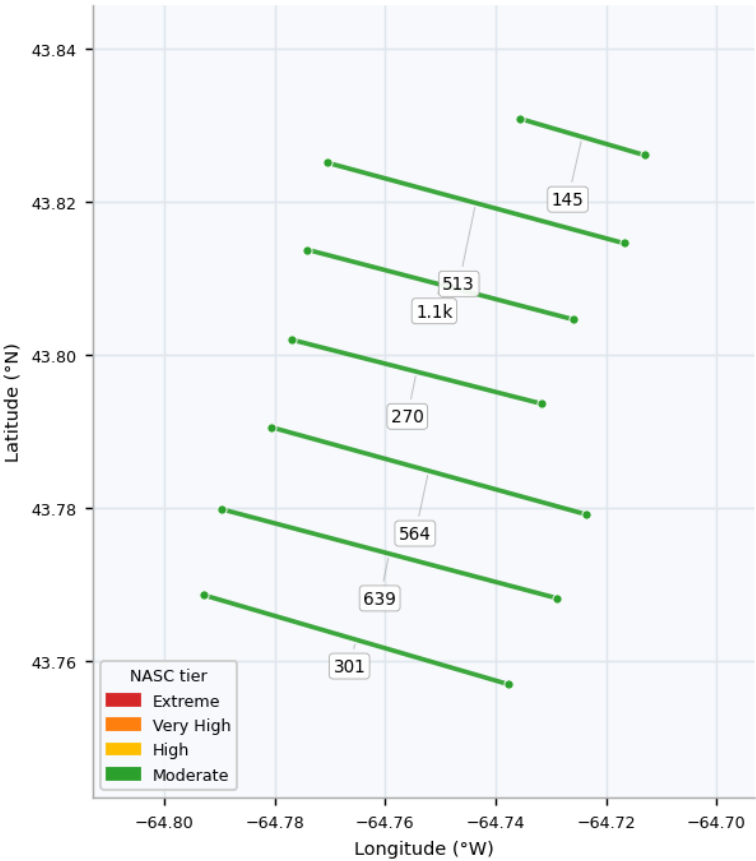
#	Region	NASC	Depth	Position
1	E8_TS12	11,235	11.9 fath	44.0448, -64.4912
2	E8_TS10	7,921	11.5 fath	44.0390, -64.4961
3	E8_TS08	6,342	12.7 fath	44.0339, -64.4989

SH_Sept22_25 — Saltwater Hunter

Date(s): 2025-09-21, 2025-09-22 · Transects: 7 · Total NASC: 3,564

Mean NASC	509	Avg depth	13.0 fath
Median NASC	513	Depth range	10.4-15.8 fath
Peak NASC	1,132	Lat range	43.7628-43.8284
Tiers	E:0 VH:0 H:0 M:7	Lon range	-64.7652--64.7243

Saltwater Hunter ran a 2-day survey in September 2025, covering 7 transects. Total NASC was 3,564 with a peak reading of 1,132 on SH_TS05 at 43.8091°N, 64.7500°W in 12.4 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 13.0 fathoms (10.4-15.8 fathoms). The survey covered roughly 3.2 km E-W by 7.3 km N-S.



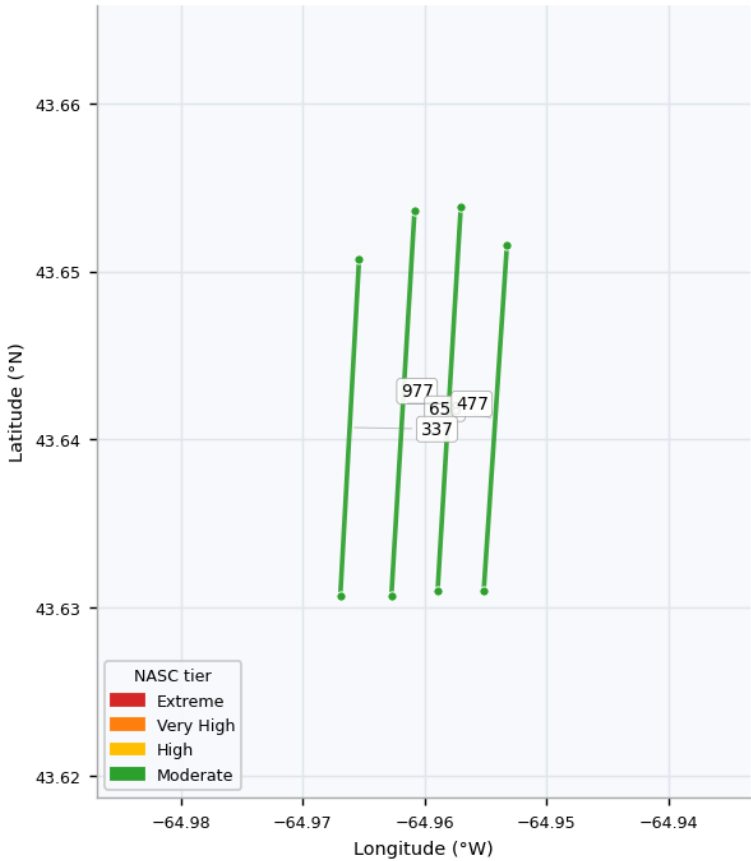
#	Region	NASC	Depth	Position
1	SH_TS05	1,132	12.4 fath	43.8091, -64.7500
2	SH_TS02	639	14.7 fath	43.7740, -64.7592
3	SH_TS03	564	14.1 fath	43.7848, -64.7521

BT_Sept22_25_v2 — Bomp n Tom

Date(s): 2025-09-22 · Transects: 4 · Total NASC: 2,449

Mean NASC	612	Avg depth	15.3 fath
Median NASC	568	Depth range	13.4-17.1 fath
Peak NASC	977	Lat range	43.6407-43.6424
Tiers	E:0 VH:0 H:0 M:4	Lon range	-64.9662--64.9542

Bomp n Tom ran a September 2025 survey (22-09-2025) covering 4 transects. Total NASC was 2,449 with a peak reading of 977 on BT_TS02 at 43.6424°N, 64.9580°W in 16.4 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 15.3 fathoms (13.4-17.1 fathoms). The survey covered roughly 0.9 km E-W by 0.2 km N-S.



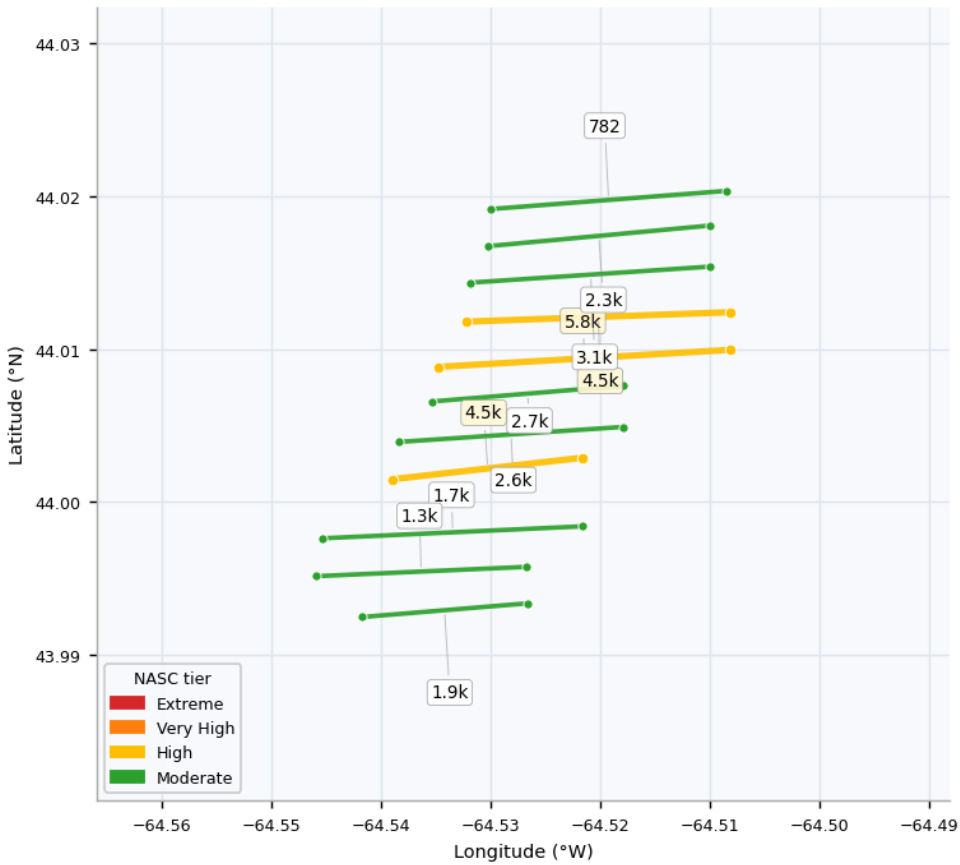
#	Region	NASC	Depth	Position
1	BT_TS02	977	16.4 fath	43.6424, -64.9580
2	BT_TS01	658	17.1 fath	43.6412, -64.9542
3	BT_TS03	477	14.3 fath	43.6422, -64.9618

E8_Oct04_25 — Eagle VIII

Date(s): 2025-10-03, 2025-10-04 · Transects: 11 · Total NASC: 31,099

Mean NASC	2,827	Avg depth	13.6 fath
Median NASC	2,625	Depth range	11.8-14.8 fath
Peak NASC	5,765	Lat range	43.9929-44.0198
Tiers	E:0 VH:0 H:3 M:8	Lon range	-64.5363--64.5192

Eagle VIII ran a 2-day survey in October 2025, covering 11 transects. Total NASC was 31,099 with a peak reading of 5,765 on E8_TS07 at 44.0094°N, 64.5215°W in 13.4 fathoms. Moderate-to-High readings only (27% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 13.6 fathoms (11.8-14.8 fathoms). The survey covered roughly 1.3 km E-W by 3.0 km N-S. Worked the northeast staging area near the Eagle VIII / Saltwater Hunter October hot zone.



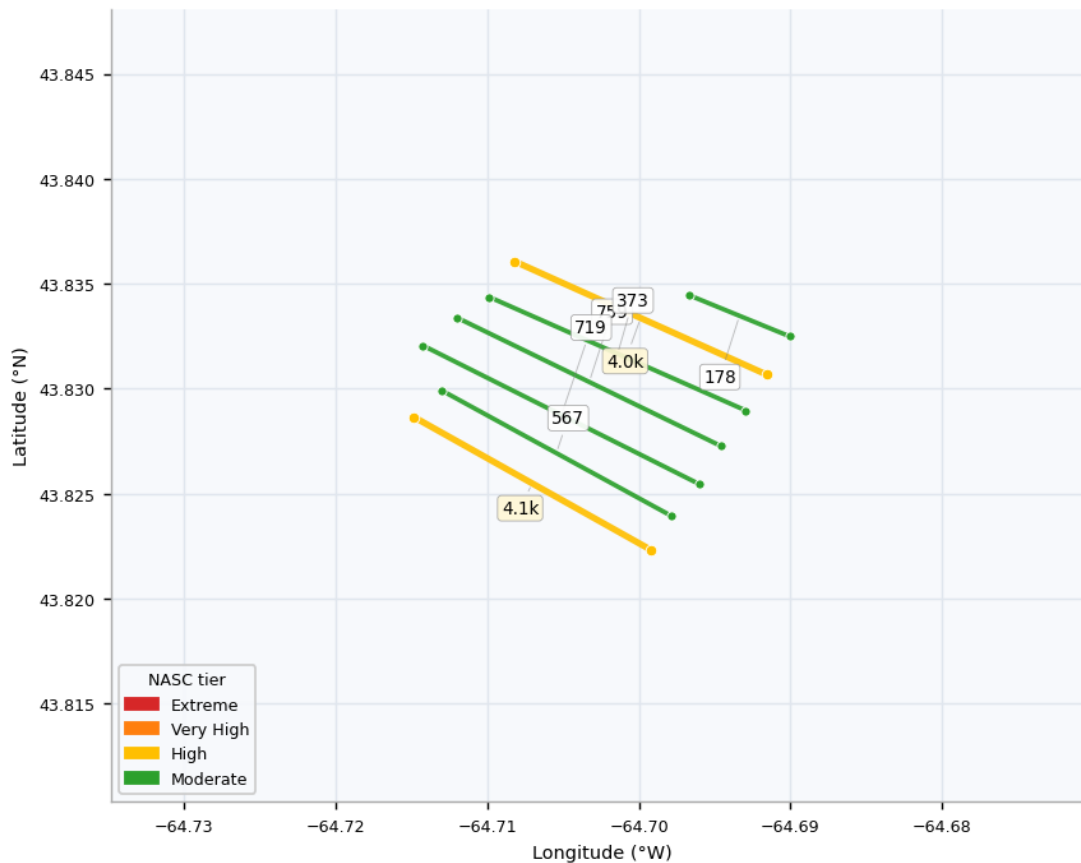
#	Region	NASC	Depth	Position
1	E8_TS07	5,765	13.4 fath	44.0094, -64.5215
2	E8_TS04	4,496	14.3 fath	44.0022, -64.5302
3	E8_TS08	4,482	13.5 fath	44.0121, -64.5202

E2_Oct04_25 — Eagle II

Date(s): 2025-10-04 · Transects: 7 · Total NASC: 10,768

Mean NASC	1,538	Avg depth	12.1 fath
Median NASC	719	Depth range	10.5-14.5 fath
Peak NASC	4,123	Lat range	43.8255-43.8335
Tiers	E:0 VH:0 H:2 M:5	Lon range	-64.7070--64.6934

Eagle II ran a October 2025 survey (04-10-2025) covering 7 transects. Total NASC was 10,768 with a peak reading of 4,123 on E2_TS01 at 43.8255°N, 64.7070°W in 10.8 fathoms. Moderate-to-High readings only (29% above 75th percentile), suggesting scattered fish rather than a tight school. Mean working depth was 12.1 fathoms (10.5-14.5 fathoms). The survey covered roughly 1.1 km E-W by 0.9 km N-S.



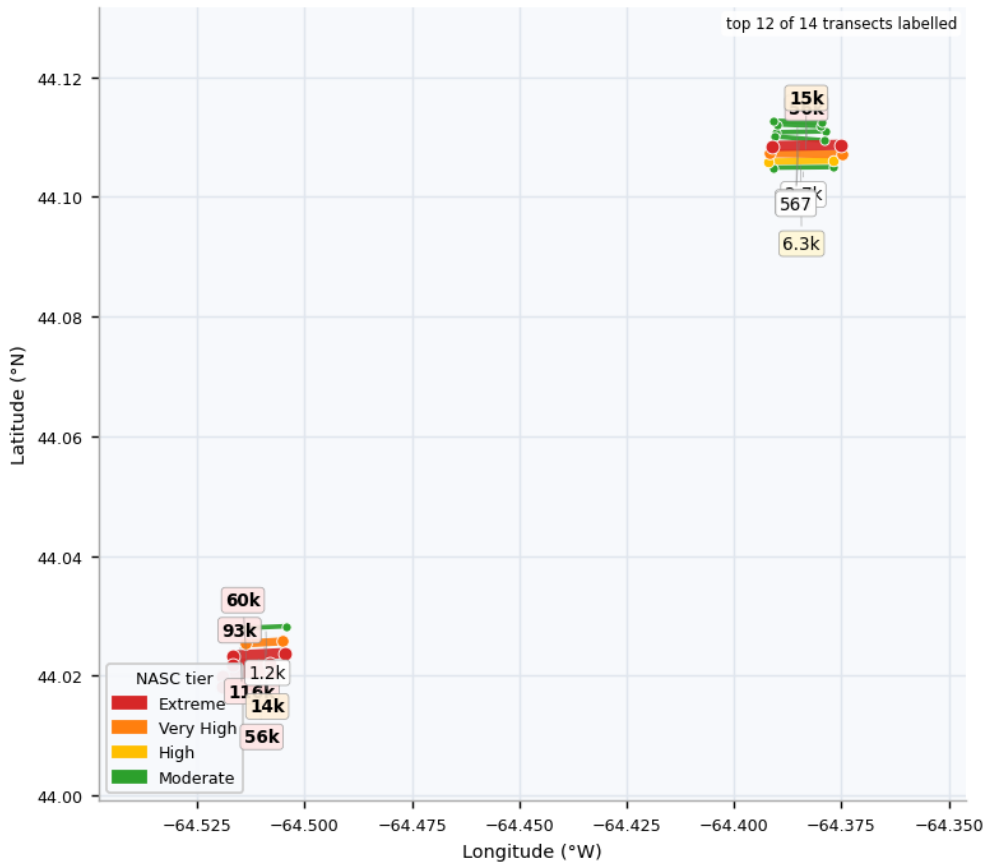
#	Region	NASC	Depth	Position
1	E2_TS01	4,123	10.8 fath	43.8255, -64.7070
2	E2_TS06	4,049	13.6 fath	43.8334, -64.6999
3	E2_TS04	759	11.8 fath	43.8303, -64.7033

E8_Oct15_25 — Eagle VIII

Date(s): 2025-10-14, 2025-10-15 · Transects: 14 · Total NASC: 421,646

Mean NASC	30,118	Avg depth	12.5 fath
Median NASC	10,022	Depth range	9.7-13.2 fath
Peak NASC	115,919	Lat range	44.0183-44.1126
Tiers	E:5 VH:2 H:1 M:6	Lon range	-64.5146--64.3830

Eagle VIII ran a 2-day survey in October 2025, covering 14 transects. Total NASC was 421,646 with a peak reading of 115,919 on E8_TS03 at 44.0219°N, 64.5125°W in 11.7 fathoms. 5 transects hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 12.5 fathoms (9.7-13.2 fathoms). The survey covered roughly 10.3 km E-W by 10.5 km N-S. Worked the northeast staging area near the Eagle VIII / Saltwater Hunter October hot zone.



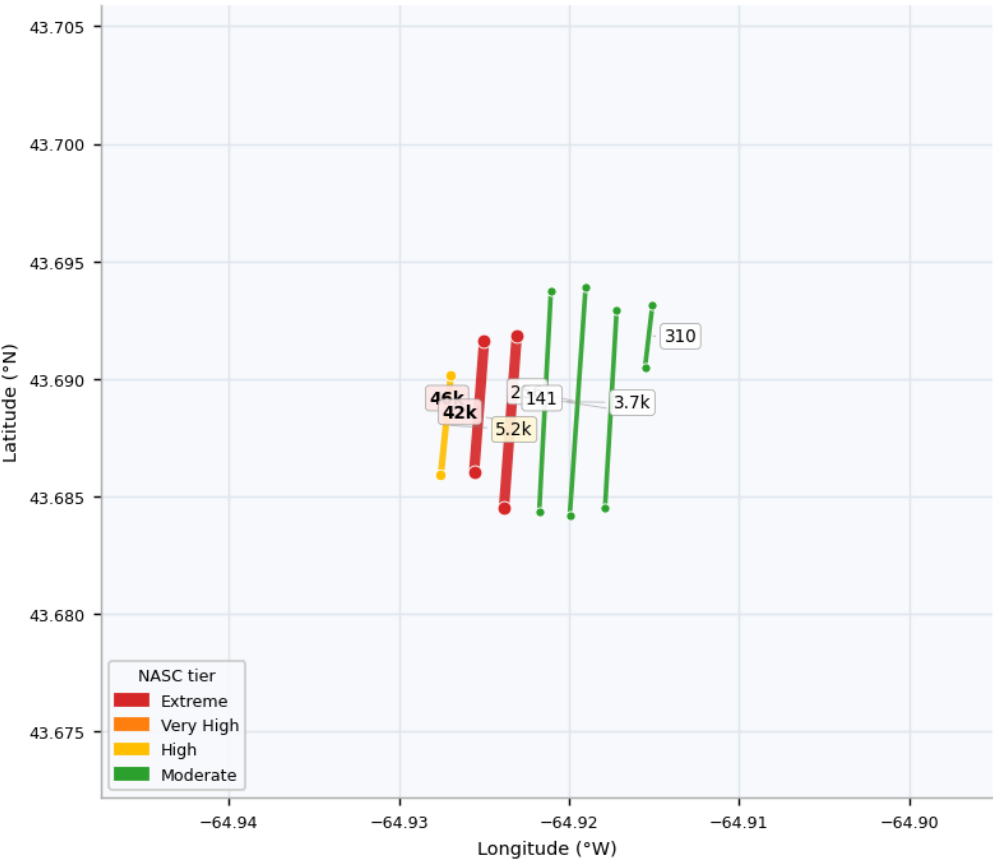
#	Region	NASC	Depth	Position
1	E8_TS03	115,919	11.7 fath	44.0219, -64.5125
2	E8_TS01	92,854	12.7 fath	44.0183, -64.5146
3	E8_TS02	59,903	12.0 fath	44.0202, -64.5134

SH_Oct15_25 — Saltwater Hunter

Date(s): 2025-10-14 · Transects: 7 · Total NASC: 98,424

Mean NASC	14,061	Avg depth	12.2 fath
Median NASC	3,650	Depth range	11.6-13.0 fath
Peak NASC	46,380	Lat range	43.6880-43.6918
Tiers	E:2 VH:0 H:1 M:4	Lon range	-64.9272--64.9153

Saltwater Hunter ran a October 2025 survey (14-10-2025) covering 7 transects. Total NASC was 98,424 with a peak reading of 46,380 on SH_TS02 at 43.6888°N, 64.9253°W in 12.0 fathoms. 2 transects hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 12.2 fathoms (11.6-13.0 fathoms). The survey covered roughly 0.9 km E-W by 0.4 km N-S.



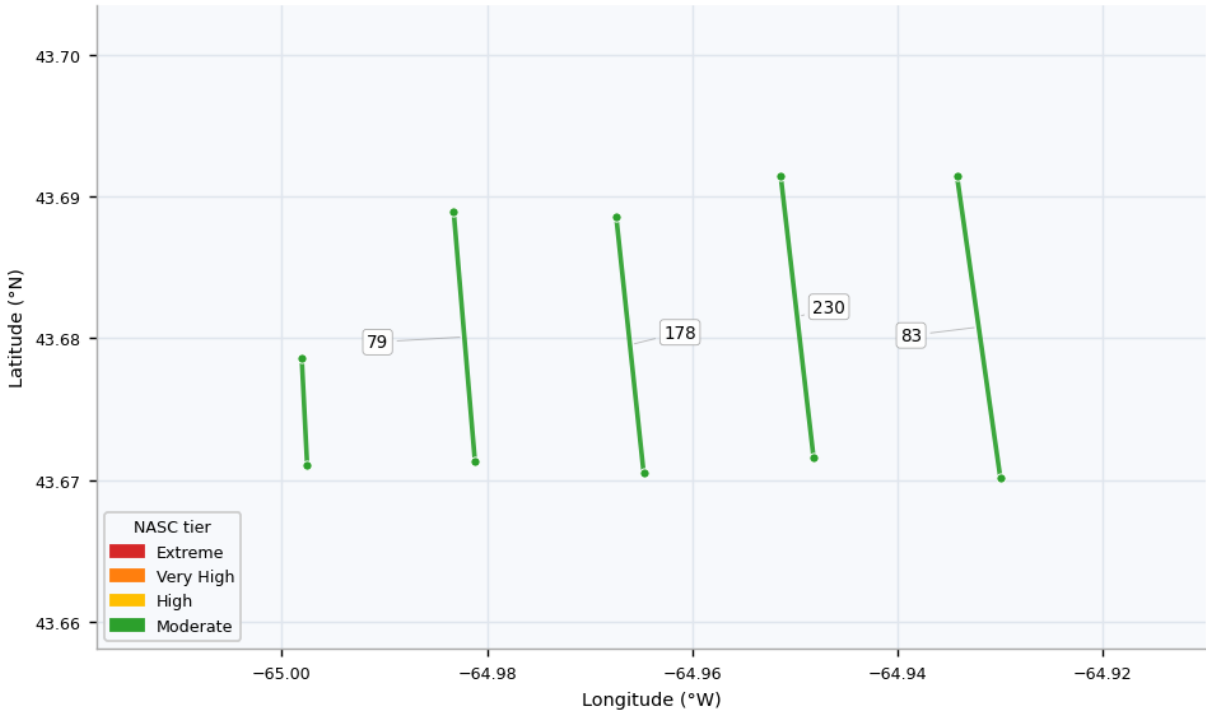
#	Region	NASC	Depth	Position
1	SH_TS02	46,380	12.0 fath	43.6888, -64.9253
2	SH_TS03	42,453	11.6 fath	43.6882, -64.9235
3	SH_TS01	5,234	12.0 fath	43.6880, -64.9272

SH_Oct15_25_Survey2 — Saltwater Hunter

Date(s): 2025-10-14 · Transects: 5 · Total NASC: 619

Mean NASC	124	Avg depth	10.9 fath
Median NASC	83	Depth range	8.6-11.9 fath
Peak NASC	230	Lat range	43.6748-43.6815
Tiers	E:0 VH:0 H:0 M:5	Lon range	-64.9978--64.9321

Saltwater Hunter ran a October 2025 survey (14-10-2025) covering 5 transects. Total NASC was 619 with a peak reading of 230 on SH_2_TS02 at 43.6815°N, 64.9498°W in 11.7 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 10.9 fathoms (8.6-11.9 fathoms). The survey covered roughly 5.1 km E-W by 0.7 km N-S.



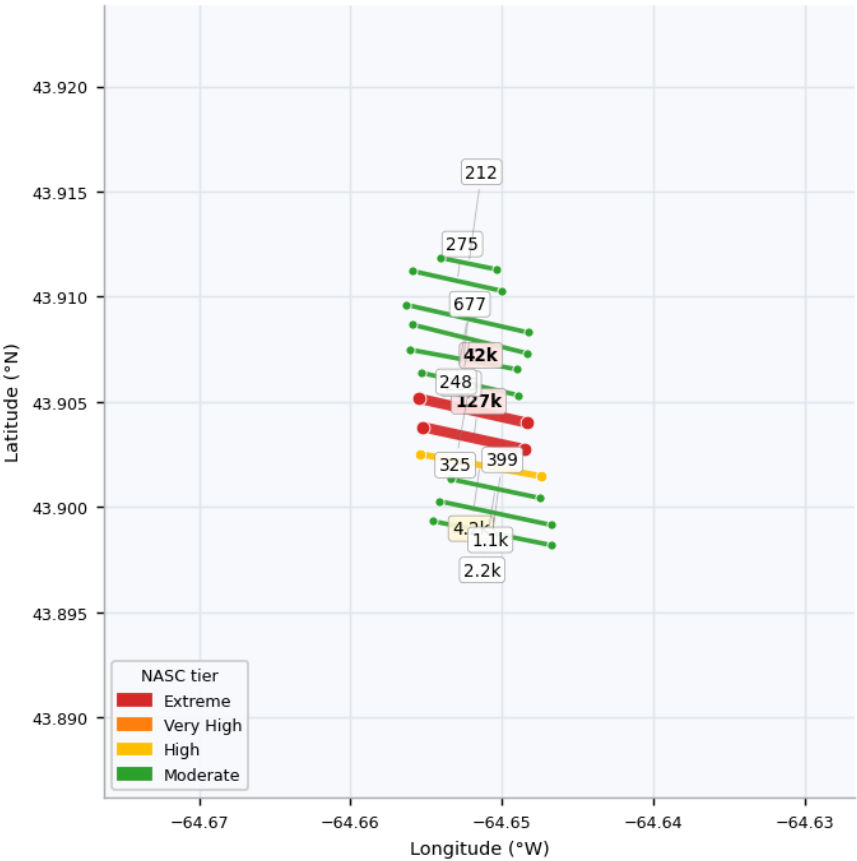
#	Region	NASC	Depth	Position
1	SH_2_TS02	230	11.7 fath	43.6815, -64.9498
2	SH_2_TS03	178	11.9 fath	43.6795, -64.9661
3	SH_2_TS01	83	11.8 fath	43.6808, -64.9321

BT_Oct15_25 — Bomp n Tom

Date(s): 2025-10-15 · Transects: 12 · Total NASC: 179,061

Mean NASC	14,922	Avg depth	11.2 fath
Median NASC	538	Depth range	10.4-12.4 fath
Peak NASC	126,802	Lat range	43.8988-43.9116
Tiers	E:2 VH:0 H:1 M:9	Lon range	-64.6530--64.6504

Bomp n Tom ran a October 2025 survey (15-10-2025) covering 12 transects. Total NASC was 179,061 with a peak reading of 126,802 on BT_TS05 at 43.9033°N, 64.6519°W in 11.2 fathoms. 2 transects hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 11.2 fathoms (10.4-12.4 fathoms). The survey covered roughly 0.2 km E-W by 1.4 km N-S. Centered on the November spawning bed area.



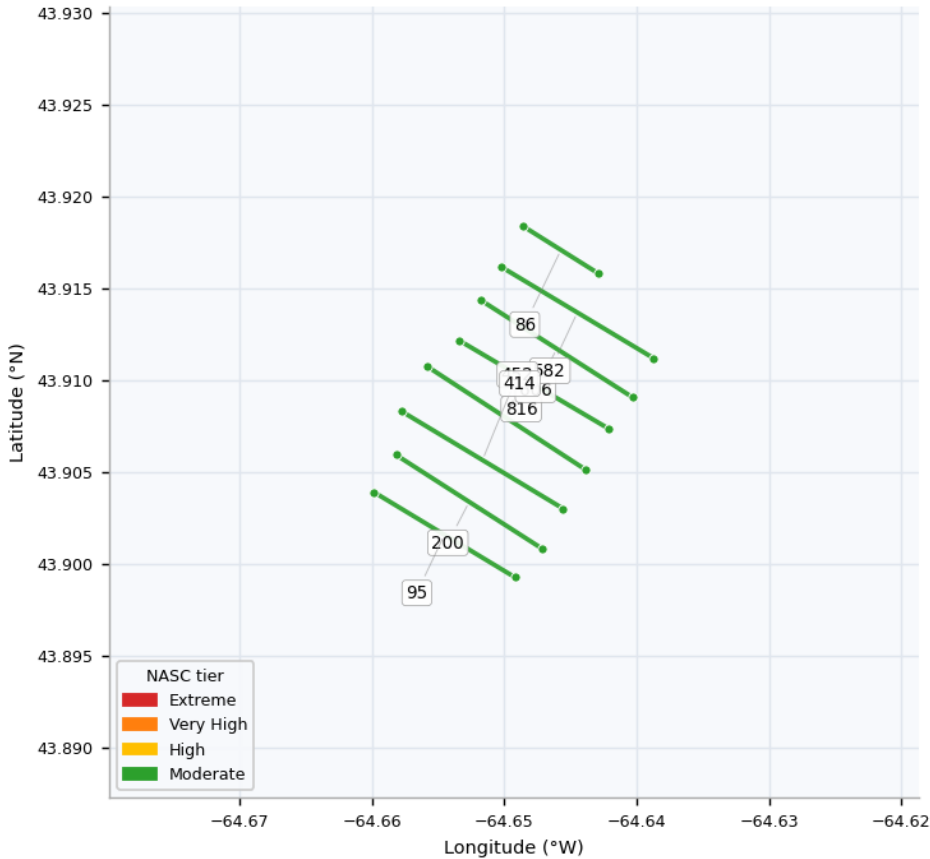
#	Region	NASC	Depth	Position
1	BT_TS05	126,802	11.2 fath	43.9033, -64.6519
2	BT_TS06	42,423	11.1 fath	43.9046, -64.6519
3	BT_TS04	4,189	11.4 fath	43.9020, -64.6514

BT_Oct25_25 — Bomp n Tom

Date(s): 2025-10-24, 2025-10-25 · Transects: 8 · Total NASC: 3,252

Mean NASC	406	Avg depth	11.2 fath
Median NASC	433	Depth range	10.2-13.6 fath
Peak NASC	816	Lat range	43.9016-43.9171
Tiers	E:0 VH:0 H:0 M:8	Lon range	-64.6545--64.6445

Bomp n Tom ran a 2-day survey in October 2025, covering 8 transects. Total NASC was 3,252 with a peak reading of 816 on BT_TS05 at 43.9098°N, 64.6478°W in 10.2 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 11.2 fathoms (10.2-13.6 fathoms). The survey covered roughly 0.8 km E-W by 1.7 km N-S.



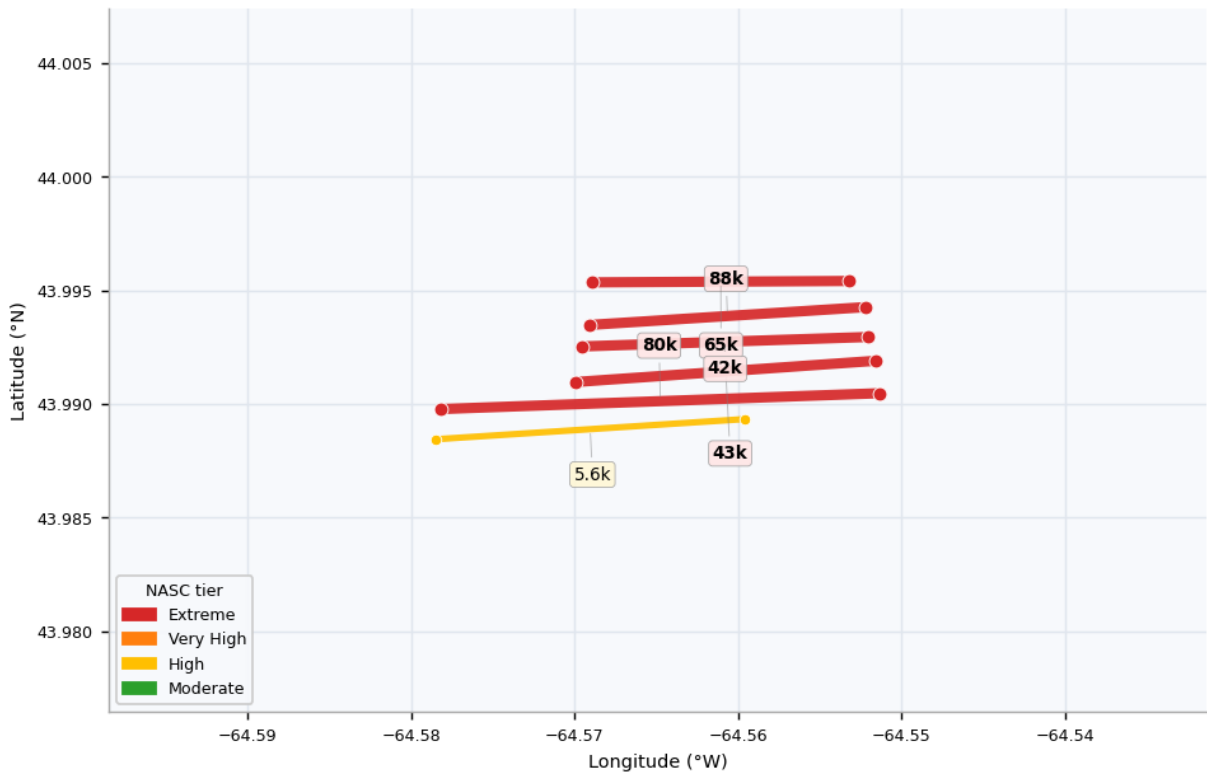
#	Region	NASC	Depth	Position
1	BT_TS05	816	10.2 fath	43.9098, -64.6478
2	BT_TS06	606	10.2 fath	43.9117, -64.6460
3	BT_TS07	582	11.1 fath	43.9137, -64.6445

E8_Oct25_25 — Eagle VIII

Date(s): 2025-10-24 · Transects: 6 · Total NASC: 324,368

Mean NASC	54,061	Avg depth	12.9 fath
Median NASC	54,211	Depth range	12.2-13.2 fath
Peak NASC	87,503	Lat range	43.9889-43.9954
Tiers	E:5 VH:0 H:1 M:0	Lon range	-64.5690--64.5606

Eagle VIII ran a October 2025 survey (24-10-2025) covering 6 transects. Total NASC was 324,368 with a peak reading of 87,503 on E8_TS02 at 43.9939°N, 64.5606°W in 13.2 fathoms. 5 transects hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 12.9 fathoms (12.2-13.2 fathoms). The survey covered roughly 0.7 km E-W by 0.7 km N-S.



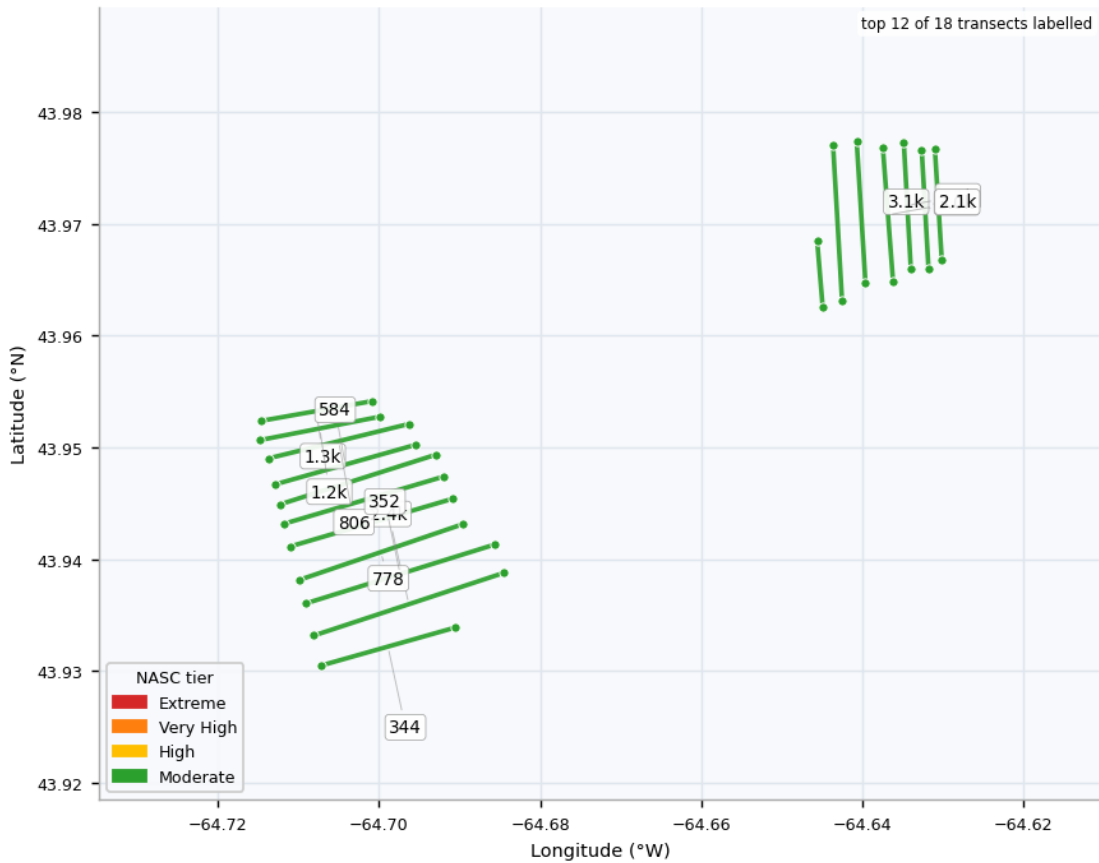
#	Region	NASC	Depth	Position
1	E8_TS02	87,503	13.2 fath	43.9939, -64.5606
2	E8_TS05	80,406	12.7 fath	43.9901, -64.5647
3	E8_TS01	65,141	13.1 fath	43.9954, -64.5611

E2_Nov04_25 — Eagle II

Date(s): 2025-11-03, 2025-11-04 · Transects: 18 · Total NASC: 19,681

Mean NASC	1,093	Avg depth	9.7 fath
Median NASC	681	Depth range	7.6-14.0 fath
Peak NASC	3,095	Lat range	43.9322-43.9717
Tiers	E:0 VH:0 H:0 M:18	Lon range	-64.7078--64.6306

Eagle II ran a 2-day survey in November 2025, covering 18 transects. Total NASC was 19,681 with a peak reading of 3,095 on E2_2_TS01 at 43.9717°N, 64.6306°W in 14.0 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 9.7 fathoms (7.6-14.0 fathoms). The survey covered roughly 6.0 km E-W by 4.4 km N-S.



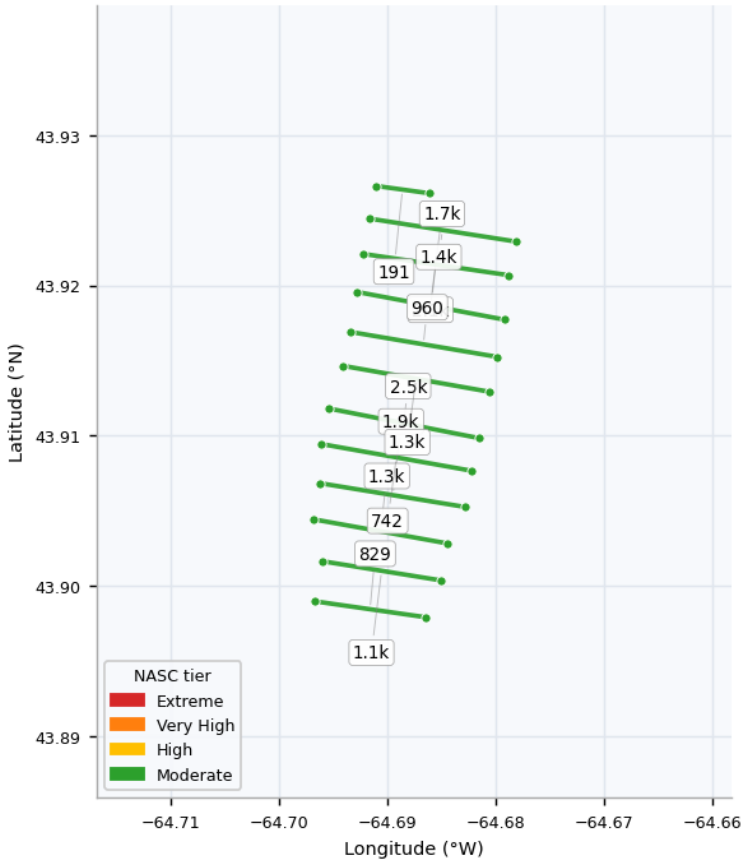
#	Region	NASC	Depth	Position
1	E2_2_TS01	3,095	14.0 fath	43.9717, -64.6306
2	E2_2_TS03	3,079	12.2 fath	43.9716, -64.6344
3	E2_2_TS04	2,991	11.8 fath	43.9708, -64.6368

BT_Nov04_25 — Bomp n Tom

Date(s): 2025-11-04 · Transects: 12 · Total NASC: 16,074

Mean NASC	1,340	Avg depth	10.9 fath
Median NASC	1,300	Depth range	7.7-12.3 fath
Peak NASC	2,481	Lat range	43.8985-43.9264
Tiers	E:0 VH:0 H:0 M:12	Lon range	-64.6916--64.6849

Bomp n Tom ran a November 2025 survey (04-11-2025) covering 12 transects. Total NASC was 16,074 with a peak reading of 2,481 on BT_TS06 at 43.9108°N, 64.6885°W in 11.6 fathoms. Background-level readings dominated; no significant concentrations were found in this run. Mean working depth was 10.9 fathoms (7.7-12.3 fathoms). The survey covered roughly 0.5 km E-W by 3.1 km N-S. Centered on the November spawning bed area.



#	Region	NASC	Depth	Position
1	BT_TS06	2,481	11.6 fath	43.9108, -64.6885
2	BT_TS10	2,128	8.9 fath	43.9214, -64.6855
3	BT_TS04	1,924	12.0 fath	43.9060, -64.6895

BT_Nov14_25 — Bomp n Tom

Date(s): 2025-11-13, 2025-11-14 · Transects: 10 · Total NASC: 112,049

Mean NASC	11,205	Avg depth	5.9 fath
Median NASC	4,411	Depth range	4.2-6.8 fath
Peak NASC	56,575	Lat range	43.8940-43.9504
Tiers	E:2 VH:2 H:1 M:5	Lon range	-64.7367--64.7156

Bomp n Tom ran a 2-day survey in November 2025, covering 10 transects. Total NASC was 112,049 with a peak reading of 56,575 on BT_2_TS03 at 43.8943°N, 64.7312°W in 6.3 fathoms. 2 transects hit Extreme tier (top 5% of the dataset), suggesting an active school or staging aggregation. Mean working depth was 5.9 fathoms (4.2-6.8 fathoms). The survey covered roughly 1.6 km E-W by 6.3 km N-S. Centered on the November spawning bed area.



#	Region	NASC	Depth	Position
1	BT_2_TS03	56,575	6.3 fath	43.8943, -64.7312
2	BT_TS03	19,650	5.4 fath	43.9472, -64.7211
3	BT_TS04	11,915	6.3 fath	43.9474, -64.7190

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).