

11/6/21 - 11/17/21

Name, AK - Name, AK

eDNA log-backup

E1053 - starting sample

Blanks will be labeled separately
and assigned a # after the cruise.
For each station the lowest # will
be the bottom ^{smallest} sample - highest will
be at 10m.

Main sample log of eDNA and
associated measurements will
be w/ Seth Danielson (sldanielson@alaska.edu)

11/18/21 - Blank taken on route
to test station. 12:37 local

11/18/21 Station 0803.8

E1053-E1055. $67^{\circ}40.59'N$, $168^{\circ}56.88'W$

E1053 - CTD 4 - 46 m

E1054 - 10 - 30 m

E1055 - 16 - 10 m

11/19/21 Station 0804.1

E1056-E1058. $71^{\circ}11.608'N$, $160^{\circ}15.892'W$

E1056 - ^{CTD Niskin} 2 - 49.1 m

E1057 - 8 - 30 m

E1058 - 14 - 10 m

Note: High salinity at bottom. May
be Atlantic water.

Lisa E. Shor

49m	3
30	6
20	9
10	12
2	15
	18

Depth Niskin

11/10/21 Station CEO.

E1068-E1070

Sample Niskin Depth

E1068 2 42

E1069 8 30

E1070 14 10

Lisa Eisner

15 10

11/10/21 Station DBO 4.5

E1071-E1073 71°43.17'N, 161°46.428W

Sample Niskin Depth

E1071 2 39.3

E1072 5 30

E1073 11 10

Lisa Eisner

15 10

11/10/21 Station DBO 4.6

E1074-E1076. 71°51.033'N, 162°09.516'W

Sample Niskin Depth

E1074 2 37.2

E1075 5 30

E1076 11 10

0804.6 continued

Lisa Eisher

Sample	Niskin	Depth
3		39.2
6		30
9		20
12		10
15		7.9

111014 Station C2 mooring

E1077-E1079. $71^{\circ}13.180'N$, $164^{\circ}14.830'W$

Sample	Niskin	Depth
E1077	2	40.3
E1078	85	30
E1079	11	10

Lisa Eisher

Sample	Niskin	Depth
3		40
6		30
9		20
12		10
15		7.2

11/11/21 0803.1
E1080-E1081. $68^{\circ}18.250N$, $168^{\circ}55.440W$
Sample Niskin Depth

E1080	2	30
E1081	6	10

Lisa Fisher

④ Niskin Depth

3	30
4	20
7	10
10	0

11/11/21 0803.2

E1082-E1084. $68^{\circ}14.500N$, $167^{\circ}07.470W$

Sample Niskin Depth

E1082	2	38.4
E1083	5	30
E1084	11	10

Lisa

12	10
9	20

11/11/21 DB03.3 ~~✓~~
E1085-E1087, 68°11.180'N, 167°18.430'W

Sample	Nishin	Depth
E1085	4	43.1
E1086	8	30
E1087	16	10

Notes: Thermocline separating 30m and ~~bigger ones~~ down. Fish below 10m should be completely different.

Lisa	N	0
	15	10

11/11/21 DB03.4

E1088-E1090 68°7.925'N, 167°29.275'W

Sample	Nishin	Depth
E1088	4	45
E1089	12	30
E1090	20	10

Lisa	N	0
	19	10

Whale - minke 30-45 min past CT0
next to boat.

Stations

11/12/21 0803.5

E1091 - E1093, $68^{\circ}00.5'N$, $167^{\circ}51.880'W$

E1091	4	48.5
E1092	12	30
E1093	20	10

Note Sandollar

Lisa Eisner

	7	40
	19	10

11/12/21 0803.6

E1094 - E1096

Sample	N:St:In	Depth
E1094	4	52.7
E1095	12	30
E1096	20	10

Lisa Eisner

N	0
19	10
3	52

11/2/21 0803.7

E1097-E1098, 67°47.00N, 168°35.76W

Sample	Al's thin	Depth
E1097	9	45.1
E1098	12	30
E1099	20	10

Liga

19 10

11/14/21 M8

Negative control thicker

E1100-E1102, 62°11.76N, 174°40.47W

Sample	Al's thin	Depth
E1100	2	68.4
E1101	11	30
E1102	17	10

Liga

17 10

11/14/21 0801.1

E1103-E1105 62°00.600N, 175°03.600W

Sample	Niskin	Depth
E1103	3	74
E1104	12	30
E1105	18	10

Lisa	Niskin	Depth
	6	50
	9	40
	12	30
	15	20
	18	10
	21	0

11/14/21 0801.2

E1106-E1108

Sample	Niskin	Depth
E1106	3	75
E1107	12	30
E1108	18	10

Lisa N 0
18 10 Hi Matt
J

11/14/21 0801.3

E1109-E1111. 62°13.140N, 174°52.620W

Sample	Niskin	Depth
E1109	3	6.7
E1110	12	30
E1111	18	10

Liza

18 10

11/14/21 0801.4

E1112-E1114. 62°23.400N, 174°34.200W

Sample	Niskin	Depth
E1112	3	6.5
E1113	12	30
E1114	18	10

Liza

18 10

11/14/21 DB01.5

E1115-E1117, 62°28.080N, 174°04.980

Sample	Niskin	Depth
E1115	3	62
E1116	12	30
E1117	18	10

Lisa

18 10

11/14/21 DB01.6

E1118-E1120

Sample	Niskin	Depth
E1118	3	60
E1119	12	30
E1120	18	10

Lisa

18 10

11/14/21 0801.7

E1121-E1123

Sample	Niskan	Depth
E1121	3	65.6
E1122	12	30
E1123	18	10

Lisa

18 10

11/14/21 DB01.8

Sample	Niskan	Depth	Alcohol
1124	3	64.9	
1125	12	30	
1126	18	10	uny 5%

Lisa

18 10

11/14/21

DBO 1.9

	Sample	N. skin	Depth	
4	1127	3	BOTT	60.9
8	1128	12	m	30.6
12	1129	18	s	10.6

Lrsg - 18 fm

DBO 1.9 11/15/21

Sample	N.	Depth	
1127	3.	BOTT	60.9
1128	12	m	30.6
1129	18	s	10.6

L. 3m 18

DBO 1-10
11/15/21 SKQ

Sample	Nis	depth	
81	1130	3	BOT
9	1131	9	m
4	1132	15	5

List 2, 6, 9, 12, 15, 18

DBO 11/15/21 DBO 2.1
E1133-E1135

Sample	Nis	depth
1133	3	42.6
1134	6	30
1135	12	10

Liga
12 10

11/15/21 0802.2
EI136-EI138

Sample	Niskin	Depth
EI136	3	40.8
EI137	6	30
EI138	12	10

EISa 12 10

11/15/21 0802.5

EI139-EI141

Sample	Niskin	Depth
EI139	3	44
EI140	6	30
EI141	12	10

11/15/21 0802.4

EI142-EI144

Sample	Niskin	Depth
EI142	3	44
EI143	6	30
EI144	12	10

L.5a	3	40
	6	30
	9	20
	12	10
	15	0

11/16/21 0802.3

E1145-E1147

Sample	Nishim	Ogata
E1145	3	38.7
E1146	9	10
E1147		10

L5a	3	30
	6	20
	9	10
	12	0

Dyson EcoFoci Fall Mooring

CTD #1

9120122

E1010-NC

E1611

FL612

E1413

Slow, lots of bubbles

CTD #2

9/21/22

E1414

E1615

E1616

8+ min each, lots of bubbles

Switched Sterivex to determine if that was the issue. Already verified tube and connector were not.

CTD #3

E1617

E1618

E1619 S

} 25% airlocked (i.e., dry during filtering)

CTD #4 - Put in fridge for 7 hrs

E1620

E1421 filtered at 40max; took 8-10 min

E1622

DYSON EcoFoci Spring DY 2306

4/22/23 : PPS work

- Reprimed 1-12 and 18 and 20-24

- Reprimed fixative system, added batteries, greased o-rings, and connectors

- Need to double check ports tomorrow

- Broke filter holder #11; switch w/ #24

4/24/2023 - ~~4/25/2023~~

51071

CTD 004

E1717-NC

*Niskin 9 didn't deploy so
we lost 10 m sample

E1718

E1719

CTD 007

E1720

E1721

E1722

CTD 010

E1723

*Samples in fridge for ~2 hours

E1724

E1725

CTD 014

E1726

E1728

*Added sites @ Vimak
pass

E1727

CTD 016
E1729 E1730 E1731 *E1729 airlocked, only
~800 mL filtered

CTD 019
E1732 E1733 E1734

CTD 022
E1747 E1748 E1749

CTD 023
E1744 E1745 E1746

CTD 024
E1741 E1742 E1743

CTD 025
E1738 E1739 E1740

CTD 027
E1735 E1736 E1737

CTD 028
E1750 E1751 E1752

CTD 029 030
E1753 E1754 E1755

Day Shift

CTD 033
E1756 E1757 E1758

CTD 034
E1759 E1760 E1761

CTD 035
E1762 E1763 E1764

* all samples in
fridge for 4-10 hrs

CTD 037
E1765 E1766 E1767

Night Shift

E1768/E1769

CTD 039
E1768 E1769 E1770 [E1771.NC]
filtered first

CTD 041
E1772 E1773 E1774

CTD 043
E1775 E1776 E1777

Day Shift

CTD 049
E1778 E1779 E1780

* all samples in fridge
for 2-6 hours

CTD 051
E1781 E1782 E1783

CTD 053
E1784 E1785 E1786
* sample d last on niskins

*random E1801 taken at
KVA-1A. Left in fridge for
3 days. Dumped.

CTD 055

E1787 E1788 E1789

CTD 057

E1790 E1791 E1792 - - - Day Shift - - -

CTD 059

E1793 E1794 E1795 - - - Day Shift - - -

CTD 065

E1797 E1796 E1798

M2 repeat; in fridge
for ~11 hours

Night Shift

CTD 068

E1799 E1800

Day Shift

CTD 078

E1801 E1802 E1803

* Sat in fridge

for ~6-7 hrs

Night Shift

CTD 080

E1804 E1805 E1806

CTD 081 ~~082~~ 082

E1807 E1808 E1809

CTD 084

E1810 E1811 E1812

Day Shift

CTD 085

E1813 E1814 E1815

*in fridge for
~6 hours

CTD 087

E1816 E1817 E1818 E1819.NC

PPS Deployment

- Reprimed Port 17 on 4/29/23
- Started sampling 4/30/23 @ noon
 - ↳ every 5 days until mid-August
- no issues with two pick deployment

RV S.Hul'ay Fall (Sept-Oct) 2023
09/14/23 62°11.695N, 174°40.410W

Station M8 Mooring

Sample	Niskin	Depth
Blank	NA	NA
E1877	1	67.7
E1878	12	30.0
E1879	18	100+10.0

Sample	Niskin	Depth
001	2	69.7
002	20	1.2

09/14/23 62°00.602N 175°03.599W

Station 0801.1

Sample	Niskin	Depth
E1880	1	74.2
E1881	10	30
E1882	16	10

Methane	Niskin	Depth
003	7	74.2
004	21	2.3

Note: labeled Niskin 23 but it's 21
Same depth but they didn't fire 23

09/14/23 62°03.024'N 175°12.681'W
Station 0001.2

Sample #	Niskin	Depth
E1883	1	75
E1884	12	30
E1885	21	10

Methane

Sample #	Niskin	Depth
005	1	75
006	21	2

0001.3 is sensor only, no water collected

09/15/23 62°23.400'N 174°34.200'W
0001.4

Sample	Niskin	Depth
E1886	1	66.2
E1887	12	30
E1888	21	10

Methane	Niskin	Depth
007	1	66.2
008	21	1.5

33.600

09/15/23 62°~~28.08~~³N 178°~~04.00~~³³W

0801.6

Sample	Niskin	Depth
E1889	1	61
E1890	1D	30
E1891	2A18	10

Methane

Sample	Niskin	Depth
009	1	61
010	1	61
011	21	2
012	21	2

9/16/23 63°01.800N 173°27.600W

0801.8

Sample	Niskin	Depth
E1892	1	66
E1893	10	30
E1894	17	10

Methane

Sample	Niskin	Depth
013	1	66
014	21	1.1

09/16/23 64°40.3'N 170°15.7'W

OBO2.0g

Sample	Niskin	Depth
E1895	1	41
E1896	8	30
E1897	15	10

Methane Niskin

Sample	Niskin	Depth
015	1	
016	21	

09/17/23 64°40.2'N 169°55.2'W

OBO2.1

Sample	Niskin	Depth
E1898	1	41
E1899	8	30
E1900	13	10

Methane

Sample	Niskin	Depth
017	1	41
018	1	41
019	19	1.9
020	19	1.9

09/17/23 64°40.800N 169°06.000W

0802.2

Sample	Niskin	Depth
E1901	1	40
E1902	5	30
E1903	13	10

Methane

Sample	Niskin	Depth
021	1	40
022	18	2.5

09/17/23 64°40.200N 168°14.100W

0802.3

Sample	Niskin	Depth
E1904	1	33
E1905	12	30.10
E1906		10

Methane

Sample	Niskin	Depth
023	1	33
024	16	3

09/17/23 65°00'.00N 168°13.325W

0802.7

Sample	Niskin	Depth
E1906	1	40
E1907	7	30
E1908	13	10

Methane

Sample	Niskin	Depth
025	1	40
026	18	1.6

09/17/23 64°58.470N 169°29.240W

0802.45

Sample	Niskin	Depth
E1909	1	43
E1910	8	30
E1911	18	10

Methane

Sample	Niskin	Depth
027	1	43
028	23	2

09/17/23 64°57.700N 169°53.160W

UBO 2.4

Sample

E1912

E1913

E1914

Nishim

1

8

15

Depth

42

30

10

Methane

Sample

Nishim

Depth

029

1

42

030

19

3

09/20/23 71°14.811N 157°09.854W

UBO 5.1

Sample

Nishim

Depth

E1915

1

41.1

E1916

7

30

E1917

14

10

Methane

Sample

Nishim

Depth

031

1

41.1

032

18

41.1

033

18

4

034

18

4

09/20/23 $71^{\circ}17.260'N$ $15714.749'W$

0805.2

Sample	Niskin	Depth
E1918	1.	51
E1919	10	30
E1920	17	10

Methane

Sample	Niskin	Depth
035	1	51
036	21	2.5

09/20/23

$71^{\circ}19.797'N$ $15709.900'W$

0805.3

Sample	Niskin	Depth
E1921	1	85
E1922	17	30
E1923	18	10

Methane

	Niskin	Depth
037	1	85
038	22	2.2

9/20/23 71°22.320 157°24.860
0805.4

Sample
E1924
E1925
E1926

	Niskin	Depth
E1924	1	106
E1925	11	30
E1926	18	10

Methane

Sample
039
040

	Niskin	Depth
039	1	106.4
040	23	4

09/20/23

0805.5

Sample
E1927
E1928
E1929

	Niskin	Depth
E1927	1	120
E1928	14	30
E1929	18	10

Methane

Sample
041
042

	Niskin	Depth
041	1	120
042	23	3.4

09/12/23 71°27.300N 157°34.980W

0805.6

Sample	Niskin	Depth
E1930	1	104
E1931	9	30
E1932	18	10

Methane

Sample

	Niskin	Depth
043	1	104.8
044	23	4

09/12/23 71°30.000N 157°40.320W

0805.7

Sample	Niskin	Depth
E1933	1	76
E1934	11	30
E1935	17	10

Methane

Sample

	Niskin	Depth
045	1	76.6
046	21	3.3

09/21/23 71°32.220N 157°045.180W

0805.8

Sample	Niskin	Depth
E1936	7	65.5
E1937	9	30
E1938	15	10

Methane

Sample	Niskin	Depth
047	7	65.5
048	23	3.5

09/21/23 71°34.680N 157°50.280W

0805.9

Sample	Niskin	Depth
E1939	7	59.5
E1940	10	30
E1941	17	10

Methane	Niskin	Depth
049	1	59.5
050	21	3.0

09/21/23 71°37.200N 159°55.500W

0805.10

Sample	Niskin	Depth
E1942	1	57
E1943	10	30
E1944	16	10

Methane

Sample	Niskin	Depth
051	1	57
052	21	4.2

09/21/23 71°45.075N 154°27.669W

BFZ (Mooring site, east of canyon)

Sample	Niskin	Depth
E1945	1	79
E1946	5	30
E1947	7	10

Methane

Sample	Niskin	Depth
053	1	79
054	9	2.8

08/22/23 72°28.000N, 156°33.000W

CK9 Mooring

Sample	Niskin	Depth
E1948	1	993.
E1949	7	50 4 5
E1950	15	100
E1951	19	30
E1952	22	10

Methane	Niskin	Depth
055	1	993.3
056	11	200 202
057	13	150 152.2
058	15	100.8
059	17	50.3
060	24	100 1.3

9/27/23/23 71°11.640N 160°16.200W

DB04.1n

Sample	Niskin	Depth
E1953	1	49.2
E1954	8	30
E1955	16	10

Methane	Niskin	Depth
061	1	49.2
062	20	2.2

09/23/23 71°19.310'N 160°39.090'W

0804.2n

Samples

E1956

E1957

E1958

Niskin

7

10

18

Depth

43.2

30

10

Methane

Sample

Niskin

Depth

063

1

43.2

064

23

2.9

09/23/23 71°27.255'N 160°02.337'W

0804.3n

Samples

Niskin

Depth

E1959

7

42.1

E1960

6

30

E1961

15

10

Methane

Niskin

Depth

065

1

42.1

066

20

2.3

09/24/23 71°35.280N 161°24.120W

0804.4n

Samples

E1962

E1963

E1964

Niskin

1

8

15

Depth

42.4

30

10

Methane

Samples

067

068

Niskin

1

19

Depth

42.4

2.4

09/24/23 71°43.200N 161°04.440W

0804.5n

E1965

E1966

E1967

Niskin

1

5

12

Depth

38.2

30

10

Methane

Sample

Niskin

Depth

069

1

38.2

070

15

2.8

09/24/23 71°51.003N 162°09.410W

0804.6n

Sample	Niskin	Depth
E1968	7	36.2
E1969	5	30
E1970	13	10

Methane

Sample	Niskin	Depth
071	1	36.2
072	17	2.9

09/26/23 70°34.780N 162°29.446W

IC11	Niskin	Depth
Sample	8	
E1971	1	30.34.2
E1972	10	10
E1973		

Methane

Sample	Niskin	Depth
073	1	34.2
074	15	2.8

09/26/23 70°43.032N 162°51.390W

TC10

Samples	Niskin	Depth
E1973	1	37.1
E1974	14	10

Methane

Samples	Niskin	Depth
075	1	37.1
076	17	2.0

09/26/23 70°50.940N 163°11.232W

TC9

Samples	Niskin	Depth
E1975	1	39.3
E1976	14	10

Methane

Samples	Niskin	Depth
077	1	39.3
078	17	2.7

09/26/23 70°58.350N 163°03.852W

TC8

Samples	Niskins	Depth
E1977	7	40.2
E1978		30
E1979		10

Methane

Sample	Niskin	Depth
079	1	40.2
080	16	2.5

09/26/23 71°05.082N 163°04.8108W

TC7

Samples	Niskins	Depth
E1980	1	38.1
E1981	13	
E1982		

Methane

Samples	Niskin	Depth
081	1	38.1
082	16	2.3

L bottom female four brothe and is
parafilmmed

9/26/23 71°11.700N 164°12.108W

TC06

Samples

E1982

E1983

Niskin

1

13

Depth

39.1

10

Methane

Sample

Niskin

1

16

Depth

39.1

2.2

09/27/23

TC05

71°020.202N 164°36.762W

Samples

E1984

E1985

Niskin

1

13

Depth

39.1

10

Methane

Sample

Niskin

1

16

Depth

39.1

2.6

09/27/23 71°26.91'N 164°55.14'W

IC4

Samples	Niskin	Depth
E1986	1	37.1
E1987	12	10

Methane

Sample	Niskin	Depth
087	4	37.1
088		

09/27/23 71°36.03'N 165°18.22'W

IC3

Sample	Niskin	Depth
E1988	7	37.3
E1989	13	10

Methane

Sample	Niskin	Depth
089	1	37.3
090	16	2.5

Note: Bottle 1-3 leaked and a
new cast was performed

09/27/23 71°42.3'N 165°36.1'W

TC2

Sample	Niskin	Depth
E1990	1	36.2
E1991	14	10

Methane

Sample	Niskin	Depth
C91	1	36.2
092	17	2.9

71°49.8'N 165°58.1'W

TC1

Sample	Niskin	Depth
E1992	1	36.2 39.1
E1993	14	10

Methane

Sample	Niskin	Depth
093	1	36.2 39.1
094	17	2.9 2.1

022-96902934
800-225-2752

09128123

CEO1-22, Aquaman 705

M.4, M.7, M.17, M.20, M.23, M.14

M.11, M.3, M.6, M.12, M.2, M.18

M.21, M.22, M.15, M.19, M.25, M.8

M.10, M.9, M.24, M.16

22 total bags

Sept 12 → March 11th

Bags 2, 3, 4, 5 are replicates

09129123 67°40.592N 108°56.880W

DBO 3.8

Sample	Niskin	Depth
E1994	1	45.5
E1995	8	30
E1996	17	10

Methane

Sample

095

096

Niskin

1
23

Depth

45.5

2-5

09/29/23 67°47.000N 168°35.760W

0803.7

Sample

E1997

Niskin

1

Depth

E1998

8

E1999

15

Methane

Sample

Niskin

Depth

097

1

098

09/29/23 67°53.850N 168°14.040W

0803.6

Samples

Niskin

Depth

E2000

1

53.5

E2001

10

30

E2002

18

10

Methane

Sample

Niskin

Depth

099

1

53.5

100

1

53.5

101

23

2.8

102

23

2.8

10/01/123 68°00'7.97"N 167°29.219"W

0803.4

Samples

E2003

E2004

E2005

Niskin Depth

1 44

6 30

14 10

Methane

Sample Niskin Depth

103 1 44.1

104 1 44.1

105 19 3.1

106 19 3.1

10/01/123 68°00'7.80"N 167°05'2.500"W

0803.5

Samples

E2006 1 47.4

E2007 9 30

E2008 15 10

Methane

Sample Niskin Depth

107 1 47.4

108 20 3.2

851 - closest to whales (Second peninsula)
Alaska Coastal Water

10/01/23 68°11.204'N 167°07.698'W

000 3.3

Sample	Niskin	Depth
E2009	1	42.0
E2010	6	30
E2011	13	10

Methane

Sample	Niskin	Depth
109	1	42.0
110	16	36

10/01/23 68°01'4.810'N 167°07.320'W

0803.2

Sample	Niskin	Depth
E2012	1	38.3
E2013	12	30
E2014		10

Methane	Niskin	Depth
111	1	38.3
112	17	3.0

10/02/23 68°18.253N 166°55.440W

0803.1

Sample	Niskin	Depth
E7014	7	~30
E7015	8	10

Methane

Sample	Niskin	Depth
113	7	29.8
114	13	2.3

10/02/23 65°46.943N 168°50.381W

B518

Sample	Niskin	Depth
E7016	7	43.2
E7017	7	30
E7018	14	10

Methane

Sample	Niskin	Depth
115	7	43.2
116	17	2.9

10/02/23 65°44.250N 168°39.000W
856

Samples	Niskin	Depth
E2019	1	46.3
E2020	7	30
E2021	13	10

Methane	Niskin	Depth
017	1	46.3
118	46	3.0

10/03/21 65°40.195N 168°22.074W

853

Sample	Niskin	Depth
E2022	1	47.8
E2023	9	30
E2024	15	10

~~Methane~~
~~Sample~~ Niskin Depth

119
120

Ran out of caps to seal bottles

10/13/23 65°37.10'N 168°09.17'W
BSI
Sample
E2025
E2026

N.5m

1
9

Depth
24.2
10