



RV Aranda

CRUISE PLAN

Earthsea 2, 3/2021

26. - 30.4.2021

Description of the cruise

Purpose of the EARTHSEA cruise is to obtain information of sediment geochemistry, especially accumulated phosphorus at previously uninvestigated areas. Measurements of nutrient concentrations and turbidity of in water column are taken, in relation to development of algal blooms. Data collected during this cruise will be compared to simultaneously collected remote sensing data.

Scientific staff:

Chief scientist:	Juha Flinkman	SYKE	26.04.2021 – 30.04.2021
CTD chief:		SYKE	26.04.2021 – 30.04.2021
Chief chemist:		SYKE	26.04.2021 – 30.04.2021
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		GTK	26.04.2021 – 30.04.2021
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Altogether 13 persons in scientific staff.

Departure from: Uusikaupunki
Departure time: Monday 26.04.2021 at 08.00

Cruising speed: 10,0 knots
Average station time: 3 h 0 min.

Arrival to: HELSINKI
Arrival time: Friday 30.04.2021 at 14.58

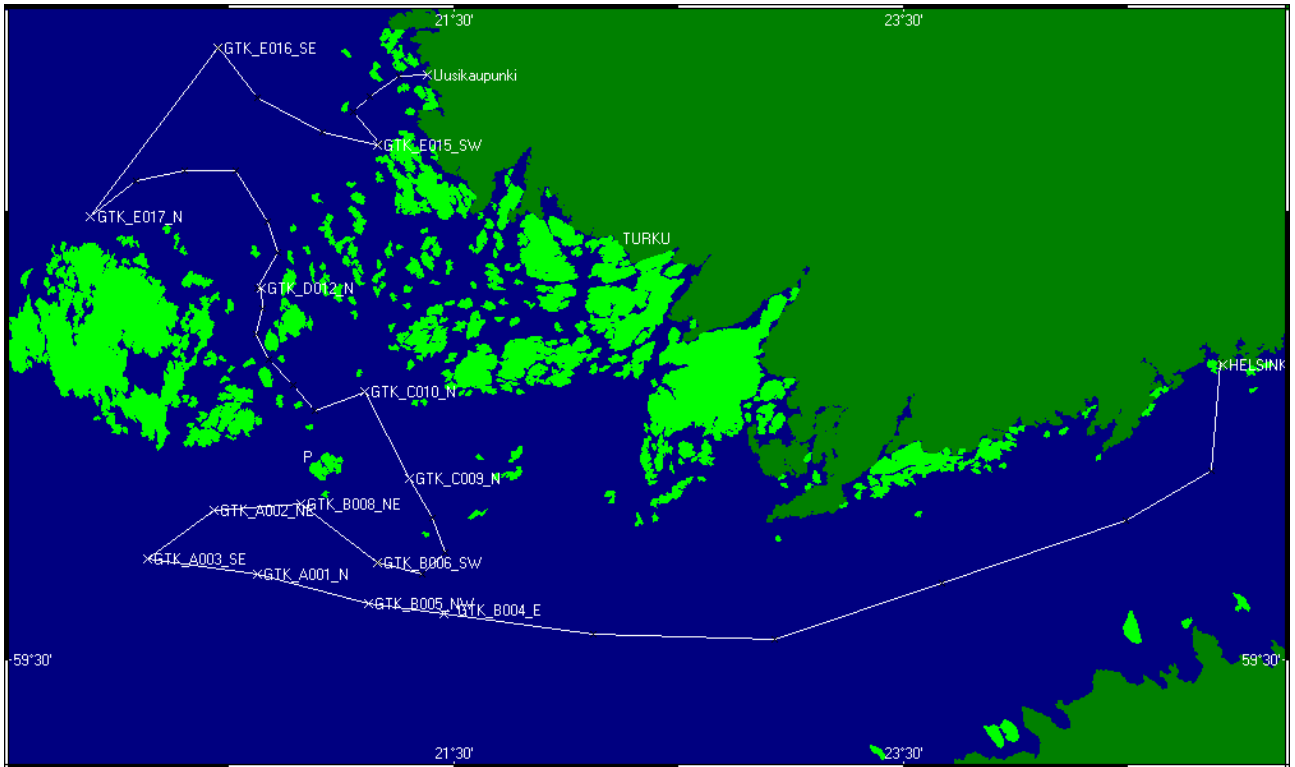
Duration of the cruise: 4 days 6 h 58 min
Length of the cruise: 369,76 nautical miles
Number of stations 13. Points with name "P" are just route points without observations.

Route:

Nro	Station	Lat.	Long.	Depth [m]	hh:mm	Arrival dy	dd.mm.yyyy	Durat. hh:mm	Speed knots
0	Uusikaupunki	60°47.73'	21°22.78'	15	08.00	Mo	26.04.2021	0:00	S 10,0
1	P	60°47.51'	21°15.42'	-	08.21	Mo	26.04.2021	0:00	S 10,0

2	P	60°44.80'	21°07.45'	-	08.50	Mo	26.04.2021	0:00	S	10,0
3	P	60°42.77'	21°02.94'	-	09.08	Mo	26.04.2021	0:00	S	10,0
4	P	60°38.69'	21°10.22'	-	09.40	Mo	26.04.2021	0:00	S	10,0
5	GTK_E015_SW	60°38.44'	21°09.71'	20	09.42	Mo	26.04.2021	3:00	S	10,0
6	P	60°40.11'	20°54.84'	-	13.27	Mo	26.04.2021	0:00	S	10,0
7	P	60°44.61'	20°37.63'	-	14.24	Mo	26.04.2021	0:00	S	10,0
8	P	60°51.25'	20°27.23'	-	15.14	Mo	26.04.2021	0:00	S	10,0
9	GTK_E016_SE	60°51.18'	20°26.95'	20	15.15	Mo	26.04.2021	3:00	S	10,0
10	GTK_E017_N	60°29.20'	19°53.02'	20	21.01	Mo	26.04.2021	14:00	S	10,0
11	P	60°33.83'	20°05.02'	-	11.46	Tu	27.04.2021	0:00	S	10,0
12	P	60°35.18'	20°18.07'	-	12.25	Tu	27.04.2021	0:00	S	10,0
13	P	60°35.18'	20°31.80'	-	13.05	Tu	27.04.2021	0:00	S	10,0
14	P	60°28.43'	20°40.38'	-	13.53	Tu	27.04.2021	0:00	S	10,0
15	P	60°24.36'	20°43.13'	-	14.19	Tu	27.04.2021	0:00	S	10,0
16	P	60°19.61'	20°37.64'	-	14.52	Tu	27.04.2021	0:00	S	10,0
17	GTK_D012_N	60°19.62'	20°38.46'	20	14.54	Tu	27.04.2021	3:00	S	10,0
18	P	60°16.95'	20°38.89'	-	18.10	Tu	27.04.2021	0:00	S	10,0
19	P	60°13.55'	20°37.18'	-	18.31	Tu	27.04.2021	0:00	S	10,0
20	P	60°10.15'	20°40.61'	-	18.54	Tu	27.04.2021	0:00	S	10,0
21	P	60°06.90'	20°47.12'	-	19.22	Tu	27.04.2021	0:00	S	10,0
22	P	60°03.48'	20°52.95'	-	19.49	Tu	27.04.2021	0:00	S	10,0
23	P	60°05.88'	21°05.97'	-	20.30	Tu	27.04.2021	0:00	S	10,0
24	GTK_C010_N	60°05.90'	21°06.21'	20	20.31	Tu	27.04.2021	12:00	S	10,0
25	GTK_C009_N	59°54.30'	21°17.98'	20	09.49	We	28.04.2021	3:00	S	10,0
26	P	59°49.01'	21°24.29'	-	13.26	We	28.04.2021	0:00	S	10,0
27	P	59°44.35'	21°27.71'	-	13.56	We	28.04.2021	0:00	S	10,0
28	P	59°41.42'	21°21.55'	-	14.21	We	28.04.2021	0:00	S	10,0
29	P	59°42.97'	21°09.92'	-	14.58	We	28.04.2021	0:00	S	10,0
30	GTK_B006_SW	59°43.04'	21°09.45'	20	14.59	We	28.04.2021	3:00	S	10,0
31	GTK_B008_NE	59°50.95'	20°49.14'	20	19.17	We	28.04.2021	10:00	S	10,0
32	GTK_A002_NE	59°50.10'	20°26.06'	20	06.27	Th	29.04.2021	3:00	S	10,0
33	GTK_A003_SE	59°43.51'	20°08.06'	20	10.34	Th	29.04.2021	3:00	S	10,0
34	GTK_A001_N	59°41.47'	20°37.67'	20	15.04	Th	29.04.2021	3:00	S	10,0
35	GTK_B005_NW	59°37.60'	21°07.08'	20	19.36	Th	29.04.2021	3:00	S	10,0
36	GTK_B004_S	59°36.09'	21°27.42'	20	23.39	Th	29.04.2021	3:00	S	10,0
37	P	59°33.45'	22°07.30'	-	04.41	Fr	30.04.2021	0:00	S	10,0
38	P	59°32.64'	22°55.71'	-	07.08	Fr	30.04.2021	0:00	S	10,0
39	P	59°40.27'	23°40.16'	-	09.31	Fr	30.04.2021	0:00	S	10,0
40	P	59°48.67'	24°29.36'	-	12.08	Fr	30.04.2021	0:00	S	10,0
41	P	59°55.44'	24°52.38'	-	13.28	Fr	30.04.2021	0:00	S	10,0
42	P	60°09.91'	24°54.76'	-	14.55	Fr	30.04.2021	0:00	S	10,0
43	HELSINKI	60°09.55'	24°55.37'	0	14.58	Fr	30.04.2021	3:00	S	10,0

Route map:



Cruise plan is printed at 26.04.2021 aa 05.37.