

Udvælgelse af spekulative ressourcer til boring 2017

Gennemgang af spekulative råstofressourcer i de indre danske farvande

Jørgen Overgaard Leth, Niels Nørgaard-Pedersen,
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DE NATIONALE GEOLOGISKE UNDERSØGELSER
FOR DANMARK OG GRØNLAND,
ENERGI-, FORSYNINGS- OG KLIMAMINISTERIET



GEUS

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Miljøstyrelsens råstofundersøgelser i 2017. Projekt 1

Jørgen Overgaard Leth, Niels Nørgaard-Pedersen,
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Indhold

1.	Indledning	3
2.	Gennemgang af spekulative råstofressourcer	4
2.1	Udpegning af borepositioner	4

BILAG

Bilag 1	Præsentation af borede spekulative ressourcer
Bilag 2	Præsentation af ikke-borede spekulative ressourcer

1. Indledning

I forlængelse af Råstofkortlægningen i Kattegat i 2016, delopgave 3, ønsker Miljøstyrelsen i forbindelse med Råstofeftersforskningen i 2017 at foretage yderligere undersøgelser af de spekulative ressourcer, som udstilles i Den marine Råstofdatabase. De spekulative ressourcer er blevet gennemgået systematisk på baggrund af eksisterende viden om råstofressourceindholdet og den forskningsbaserede viden om råstofforekomster i de danske indre farvande mhp. udpegning af prioriterede forekomster. På baggrund heraf er der anbefalet et antal boringer inden for hvert af de enkelte ressourceområder til en nærmere afklaring af ressourcens sammensætning og dens kvalitet.

På baggrund heraf er der udpeget 179 borepositioner i spekulative ressourcer. Herudover er der udpeget 10 boringer i spekulative ressourcer der er udpeget fra kortlægning i Ålborg Bugt samt evalueringen af spekulative ressourcer i Kattegat i 2016 samt 10 boringer på Kriegers Flak.

Der er udpeget 150 boringer til udbud af boreopgaven i forbindelse med Råstofeftersforskningen i 2017, hvoraf de 130 er boringer i spekulative råstoffer, samt de 20 boringer fra Kattegat, Ålborg Bugt samt Kriegers Flak.

2. Gennemgang af spekulative råstofressourcer

GEUS har i 2017 arbejdet med udpegning af spekulative råstofressourcer i de indre danske farvande således, at der i prioriterede råstofressourcer kan bores for derved be- eller afkræfte tilstedeværelsen af råstofressourcer. I den indledende fase blev samtlige 389 spekulative råstofressourcer, der er lokaliseret i den del af de indre danske farvande, der omfatter farvandene Østersøen, Bælthavet og Øresund, listet i de 4 råstofressource kategorier Sand 0, Fyldsand, Sand 1, Grus 2 og Ral 3. I den næste fase blev ressourcer med en arealmæssig udstrækning på under 1 km² i kategorien Sand 0 og Fyldsand frasorteret. Efterfølgende blev der foretaget en frasortering af de spekulative råstofressourcer, der 1) på baggrund af den tilgængelige geologisk/geofysisk viden ikke kunne indeholde råstofressourcer samt de ressourcer; 2) ud fra administrative restriktioner kan udelukkes, hvis de eksempelvis befinder sig i Natura-2000 områder eller andre beskyttede områder, og 3) spekulative råstofressourcer beliggende under 6 meters vanddybde. Denne reduktion af spekulative råstofressourcer er foretaget i det GIS-lag, der ligger til grund for Martha databasen.

Reduktionen er blevet foretaget i MapInfo, og resultatet heraf er en liste på i alt 138 spekulative råstofressourcer. Ud fra denne reducerede liste har GEUS anbefalet, at der udføres 179 borer til undersøgelse af råstofressourcerne. I tillæg hertil er det anbefalet, at der udføres 10 borer i spekulative forekomster i Kattegat, samt yderligere 10 borer i råstofforekomsterne på Kriegers Flak til afklaring af udbredelsen af grove materialer til betontilslag.

2.1 Udpegning af borepositioner

Placeringen af borerne i de spekulative råstoffer er foretaget på baggrund af en tolkning af seismiske linjer, hvoraf hovedparten er gamle papirudgaver af ældre seismik, som er fundet frem i GEUS's arkiver. Data er herefter scannet og tolket ud fra den eksisterende viden om geologien i det pågældende område. Ud fra denne tolkning er der foreslået en eller flere borer i råstofforekomsten, afhængig af den arealmæssige udstrækning eller kompleksiteten i ressourcens opbygning.

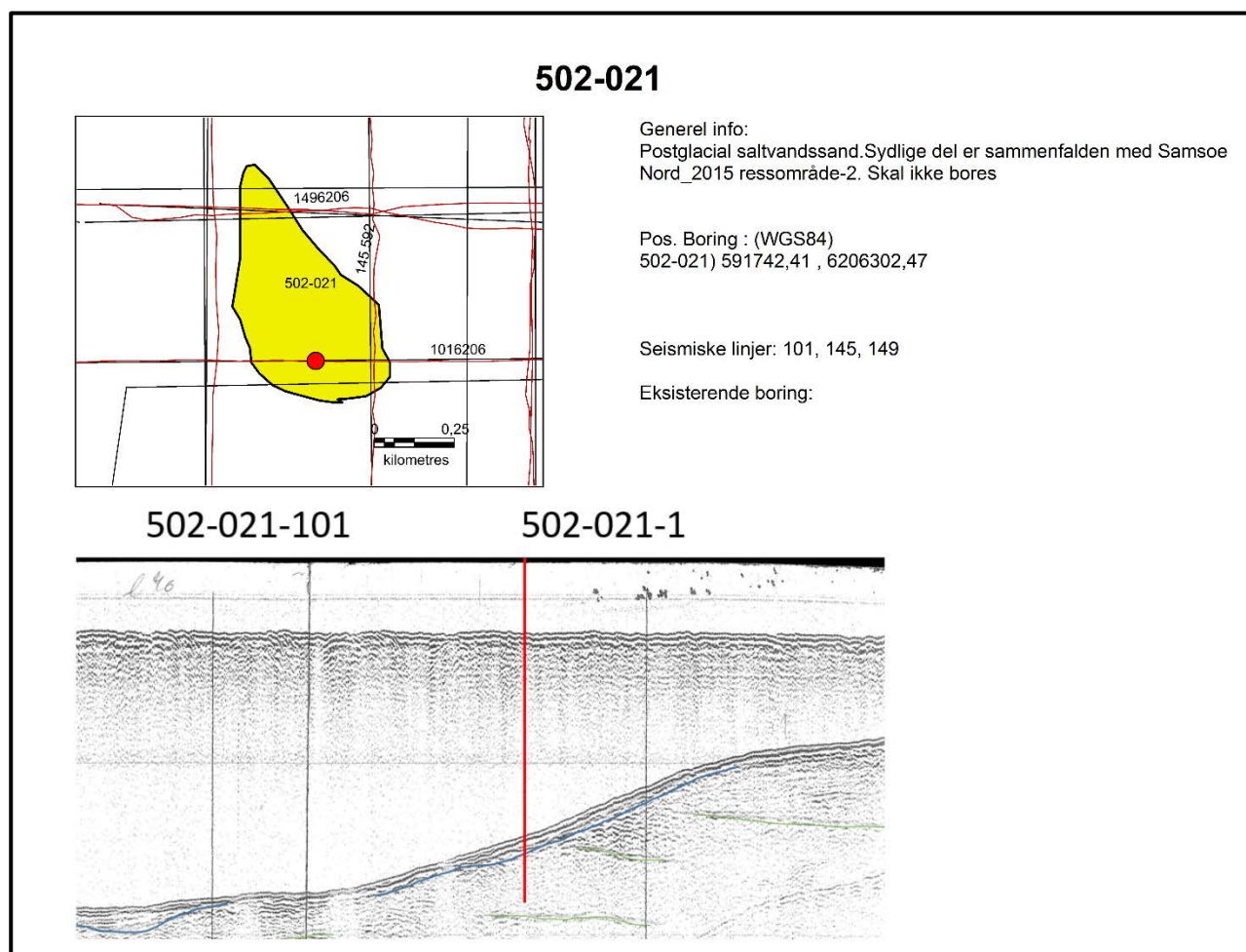
Tætheden af de seismiske data i de enkelte ressourceområder er dog meget varierende. Placeringen af borerer vanskeligsgøres derfor ofte af tilgængeligheden af seismiske data, da positionen altid bliver planlagt på baggrund af et seismiske profil. De seismiske data er ofte meget varierende i kvalitet, dels fordi de kun forefindes på papirudskrifter, der kan være op til 30-40 år gamle, dels er de faldede eller i dårlig stand. Da borerne skal lokaliseres på steder, hvor dataene er tydelige, er boringsplaceringen i flere tilfælde et kompromis imellem datakvalitet og ressourcens udstrækning, hvorfor lokaliseringen af borerne ikke altid er optimal i forhold til de råstofressourcer, der skal kortlægges.

De relevante seismiske linjer, som er blevet scannet til illustration af ressourceforekomsterne er kategoriseret efter projektområdenummeret (SNS-system 502 til 590) og et ressourcenummer (løbende nummerering). Herefter er de bedst egnede seismiske linjer til placering af borerne udvalgt for de respektive ressourceområder. De øvrige seismiske linjer, der er scannet ind, er efterfølgende blevet anvendt til en tolkning af udstrækningen af de ressourcer, der ønskes dokumenteret ved borerne. Borerne vil sammen med indscannede seismiske linjer og eventuelle nyere digitale seismiske data danne grundlag for den efterfølgende geologiske og geofysiske tolkning af ressourcen og være medvirkende til vurderingen af, om der er ressourcer til stede i området.

Hvert boreprospekt af de udvalgte spekulative ressourceområder præsenteres samlet i et "sheet" det seismiske profil, som ligger til grund for den planlagte boreposition sammen med et kort, der viser lokaliseringen af råstofressourcen sammen med øvrige oplysninger om råstofressourcen. Kortet viser alle de eksisterende seismiske linjer omkring ressourcen, eksisterende boringer samt positionen af den planlagte boring. Derudover findes en kort beskrivelse med de foreliggende informationer om den pågældende råstofressource udtrukket fra Den marine Råstofdatabase (Marta), og der præsenteres et eksempel på en seismisk linje, der indeholder en geologisk tolkning og positionen på den nye boring. Figur 1 giver et eksempel på et sheet.

Sheets for de spekulative ressourceområder, der blev boret ved borekampagnen i 2017, er samlet i Bilag 1. Tilsvarende er sheets for de spekulative råstofforekomster, der ikke er udvalgt i 2017, samlet i Bilag 2.

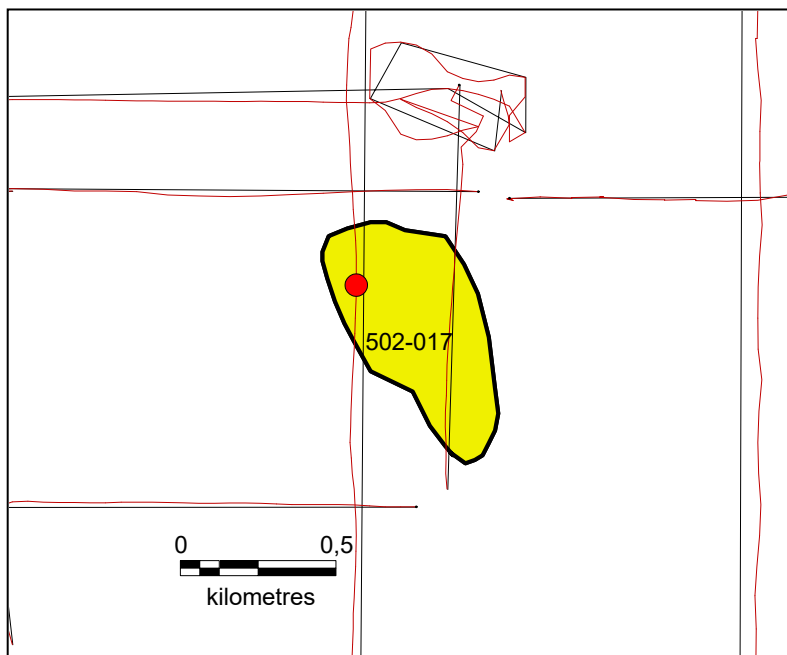
Sammen med denne rapport leveres relevante GIS-filer indeholdende: Borede spekulative råstoffer, boringspositioner, faktiske boringspositioner og en fil med alle marine råstofressourcer i de danske farvande.



Figur 1 Eksempel på præsentationen (sheet) af et boreprospekt (ressourceområde 502-021) visende et kort med de seismiske linjer samt et udsnit af den seismiske linje, der ligger til grund for placeringen af borepositionen. For de øvrige se Bilag 1 og 2.

Bilag 1

502-017



Generel info:
postglacial saltvandssand

Pos. Boring : (WGS84) 582623,44 , 6210500,45

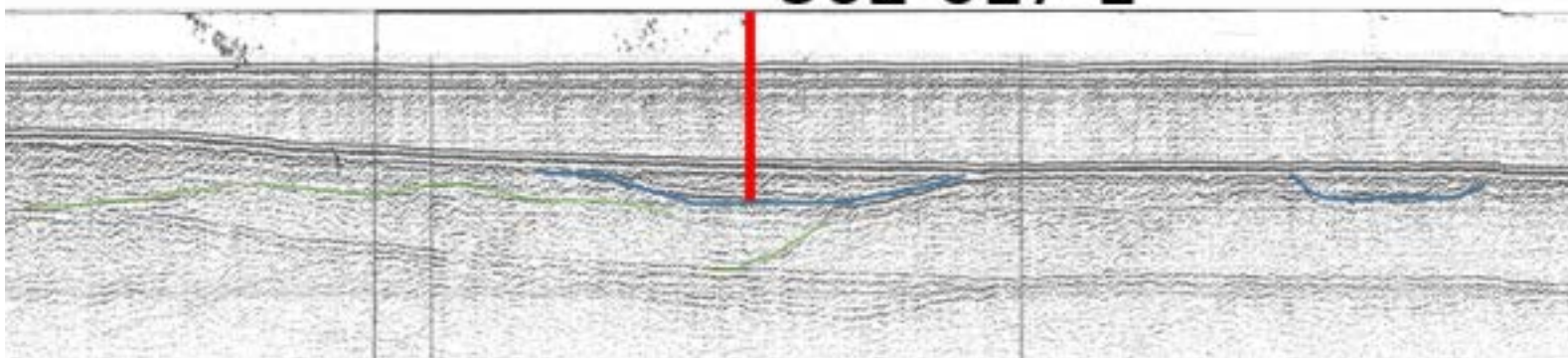
Approx vanddybde: 7 m

Seismiske linjer: 107

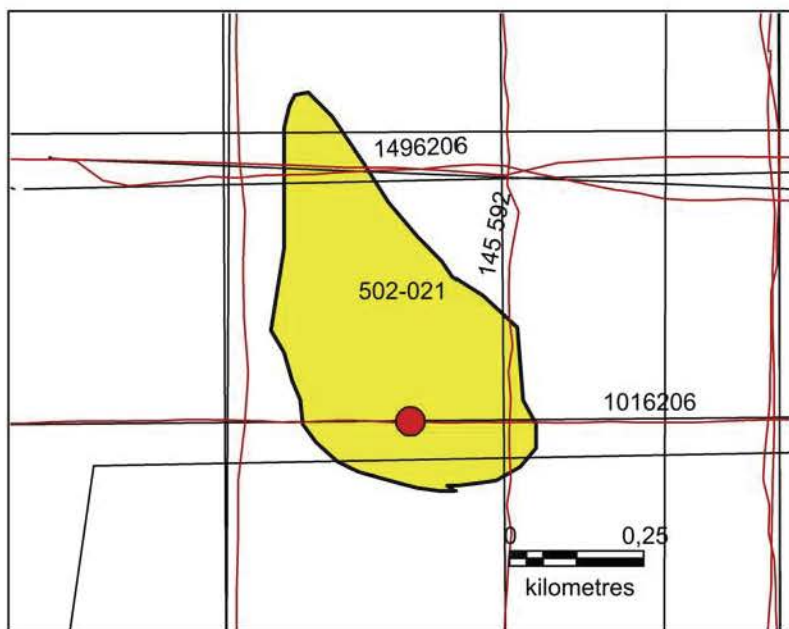
Eksisterende boring:

502-017-109

502-017-1



502-021



Generel info:

Postglacial saltvandssand. Sydlige del er sammenfalden med Samsøe Nord_2015 ressområde-2. Skal ikke bores

Pos. Boring : (WGS84)

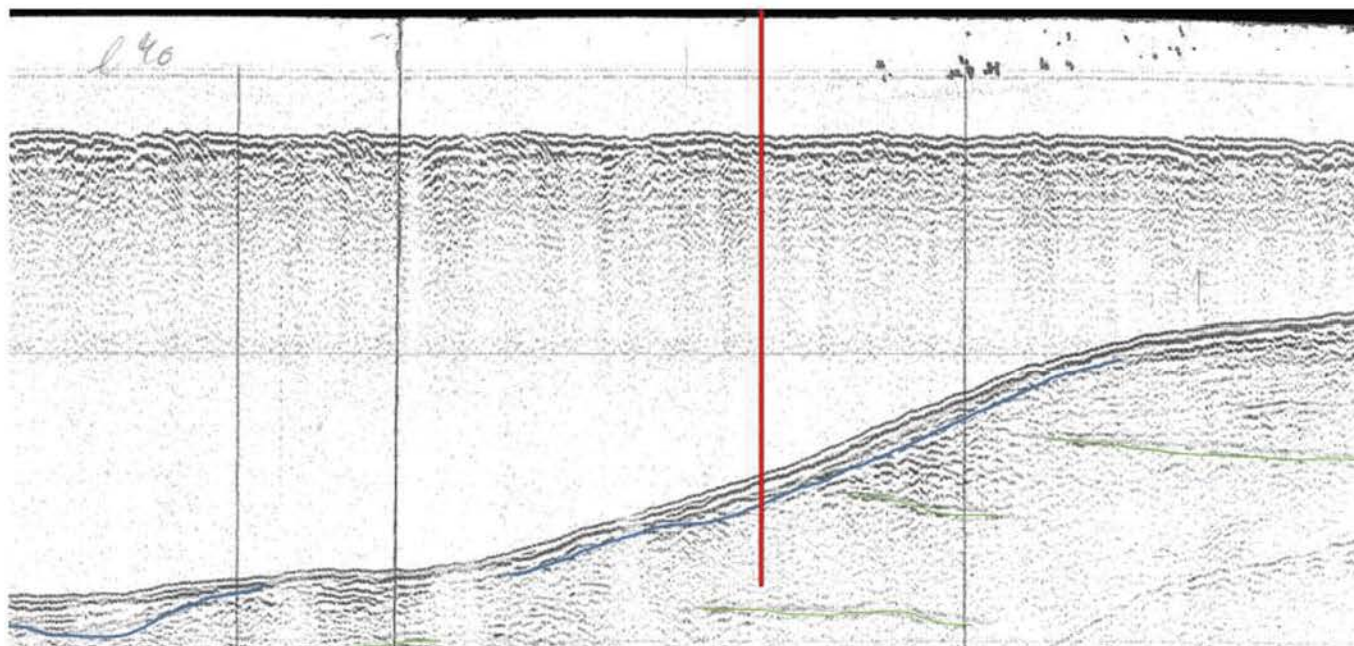
502-021) 591742,41 , 6206302,47

Seismiske linjer: 101, 145, 149

Eksisterende boring:

502-021-101

502-021-1



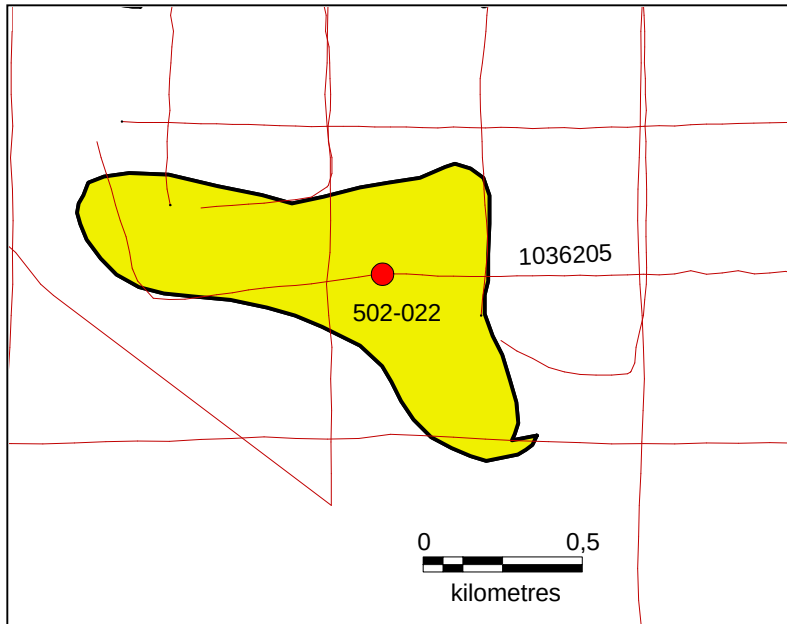
502-022

Generel info:
Postglacial saltvandssand.

Pos. Boring : (WGS84) 502-022-1
592591,4 , 6205325,46

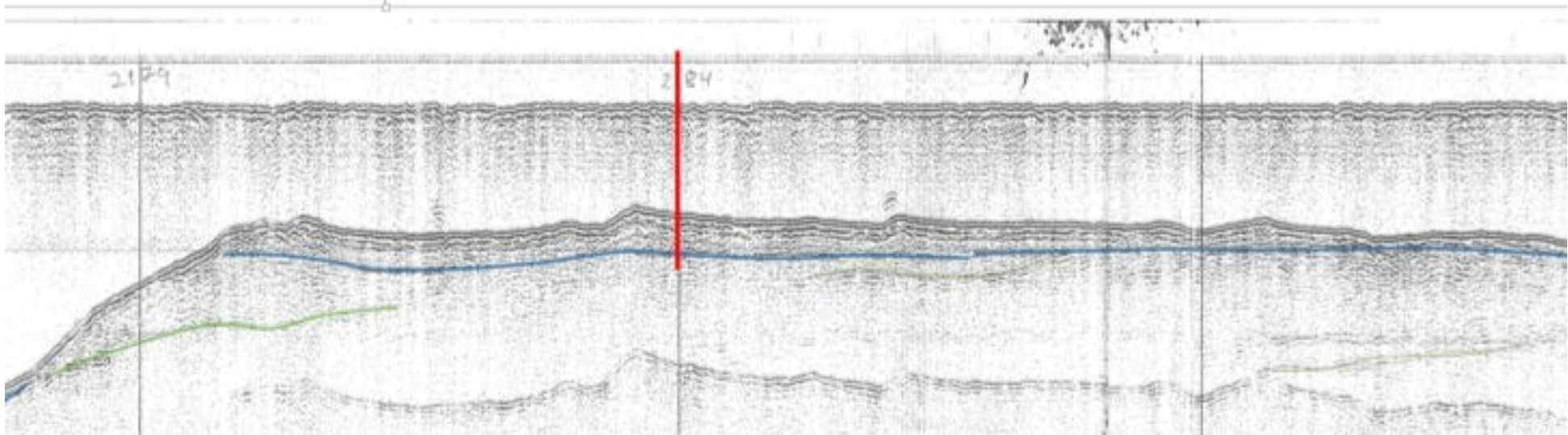
Seismiske linjer: 103

Eksisterende boring:



502-022-103

502-022-1



502-038

Generel info:

Formodes at bestå af postglacialt fint-mellemkornet grusholdigt sand

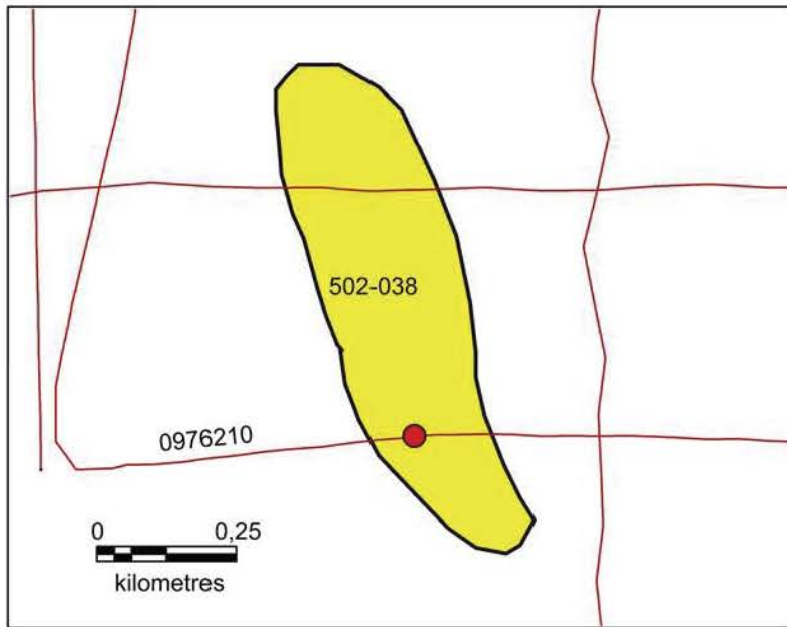
Pos. Boring :

502-038-1 (WGS84) 589083,42 , 6210354,44

Vanddybde: 18 m

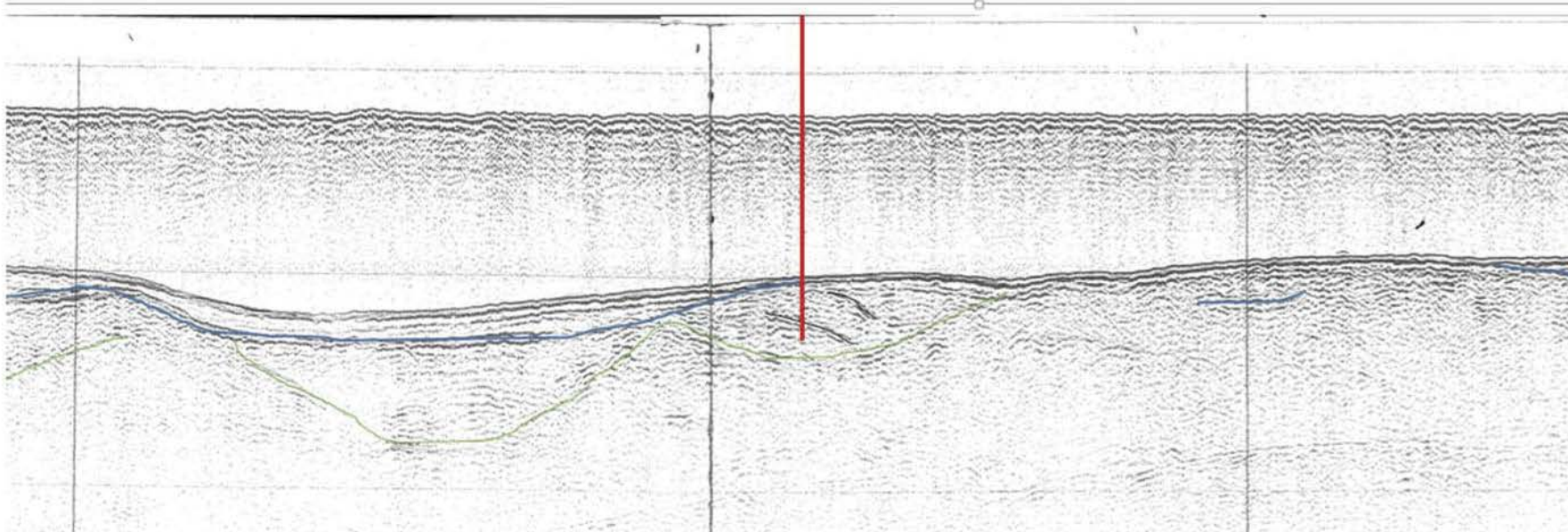
Seismiske linjer: 97

Eksisterende boring:



502-038-097

502-038-1



502-041



Generel info:

Postglacial saltvandssand. Sydlige del er sammenfaldende med Samsø Nord_2015 Res-03 og Res-05. Behøver dog 1-2 boringer.

Pos. Boring :

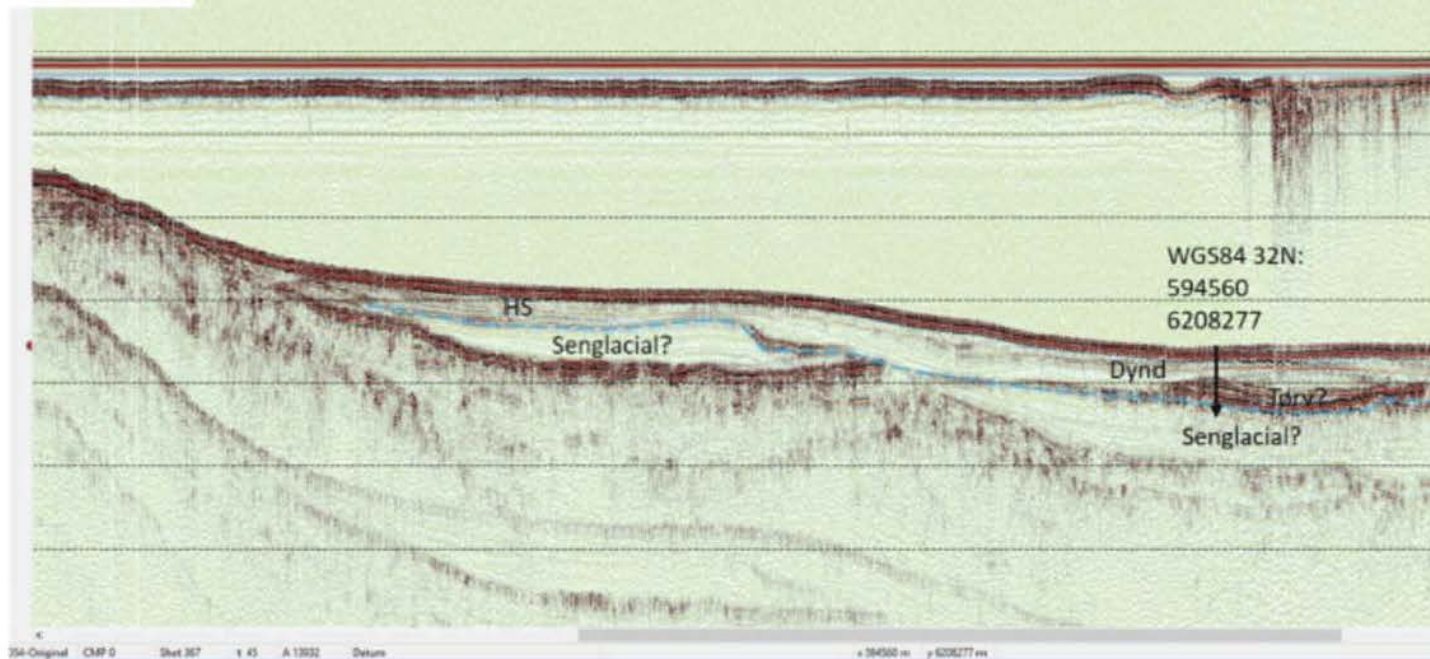
502-041-1) 594560 , 6208277 (WGS84)

Vanddybde: 15-30 m

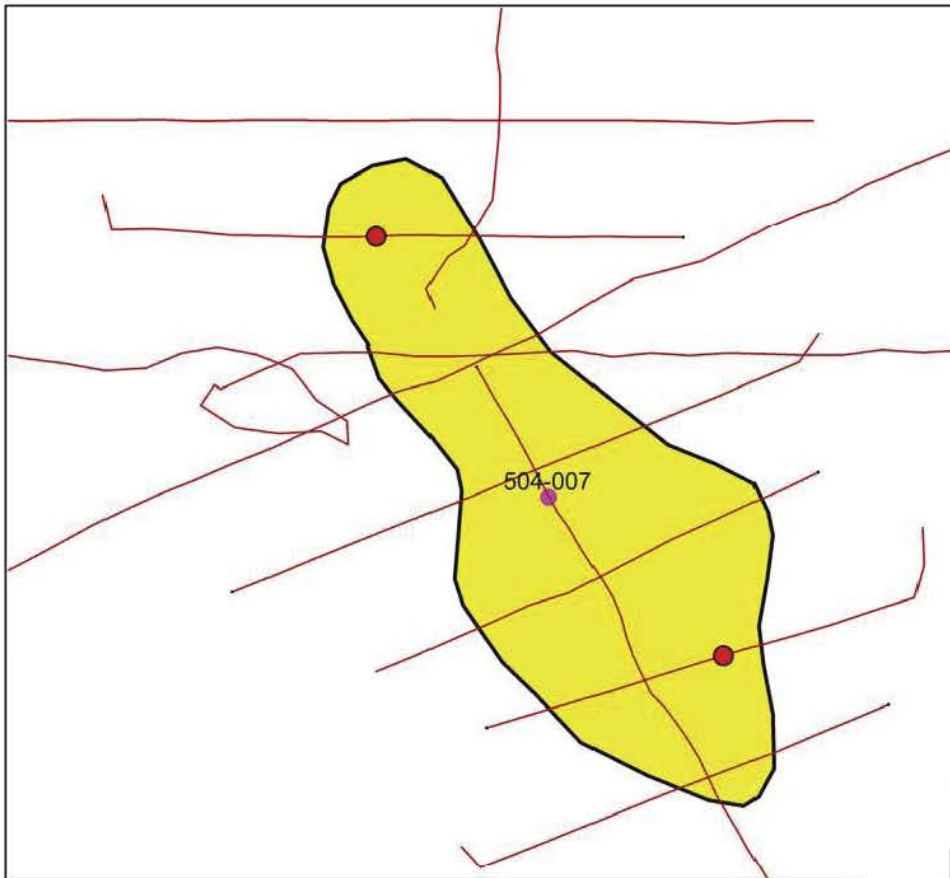
Seismiske linjer: 014, NA7-041-1

Eksisterende boring:

502-041-1
Line NA7_054



504-007



Generel information:
Akkumulationsflak

Resource Type: Sand

Borring position og vanddybde:
(WGS84)

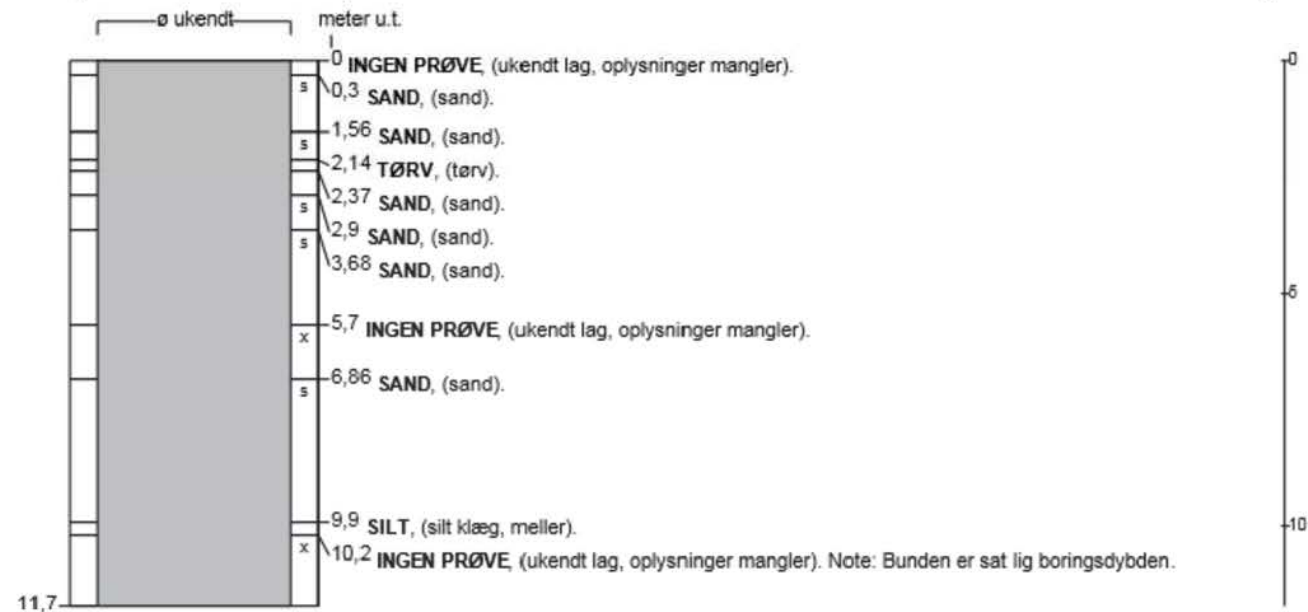
504-007-1) 608507,31 , 6170297,63

504-007-3) 609986,31 , 6168514,66

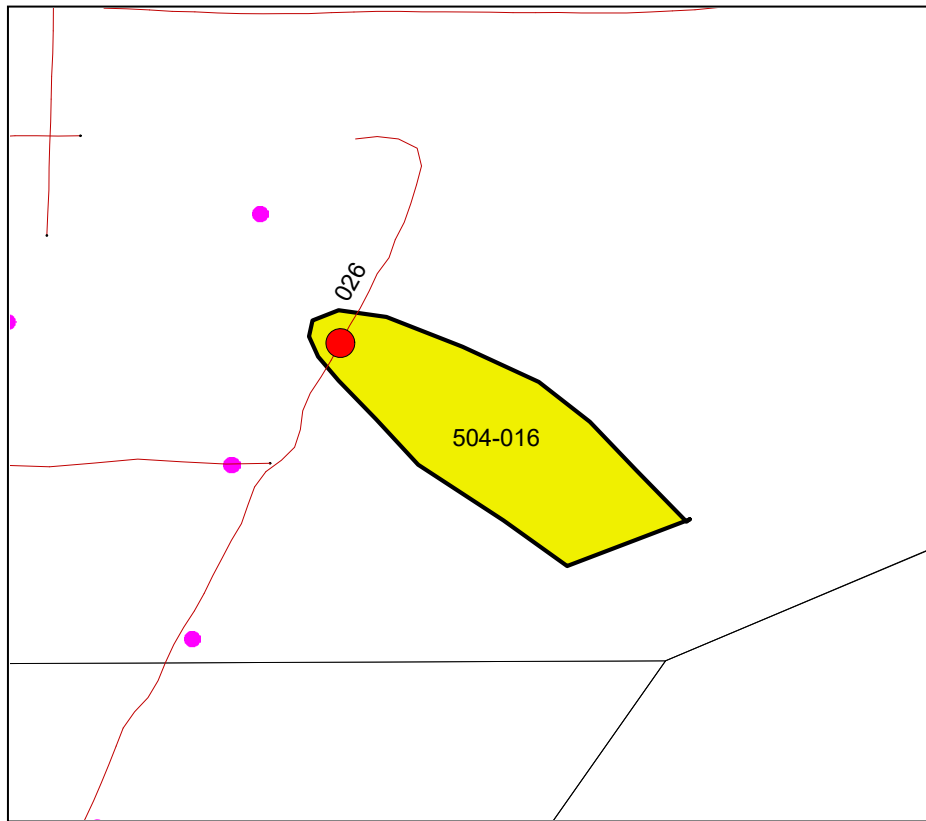
approx vanddybde: 40 m

Seismiske linjer: 020

Eksisterende boringer: 551011.40



504-016



Linie 026

Generel information:
Akkumulationsflak

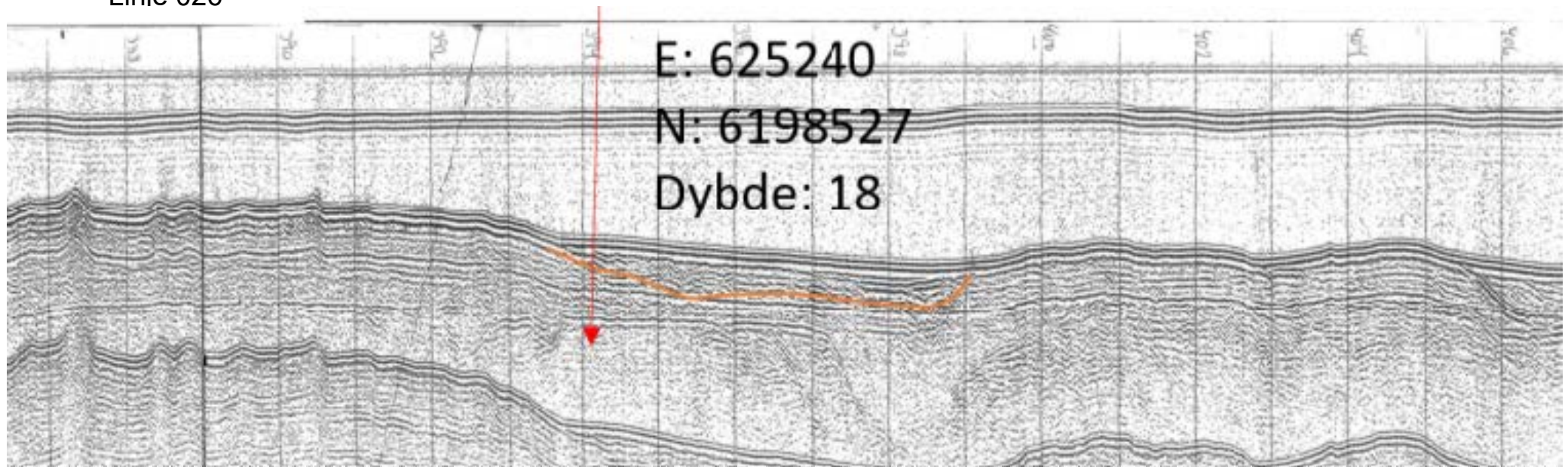
Resource Type: Sand

Borring position og vanddybde:
(WGS84)
625156.23 , 6198321.5

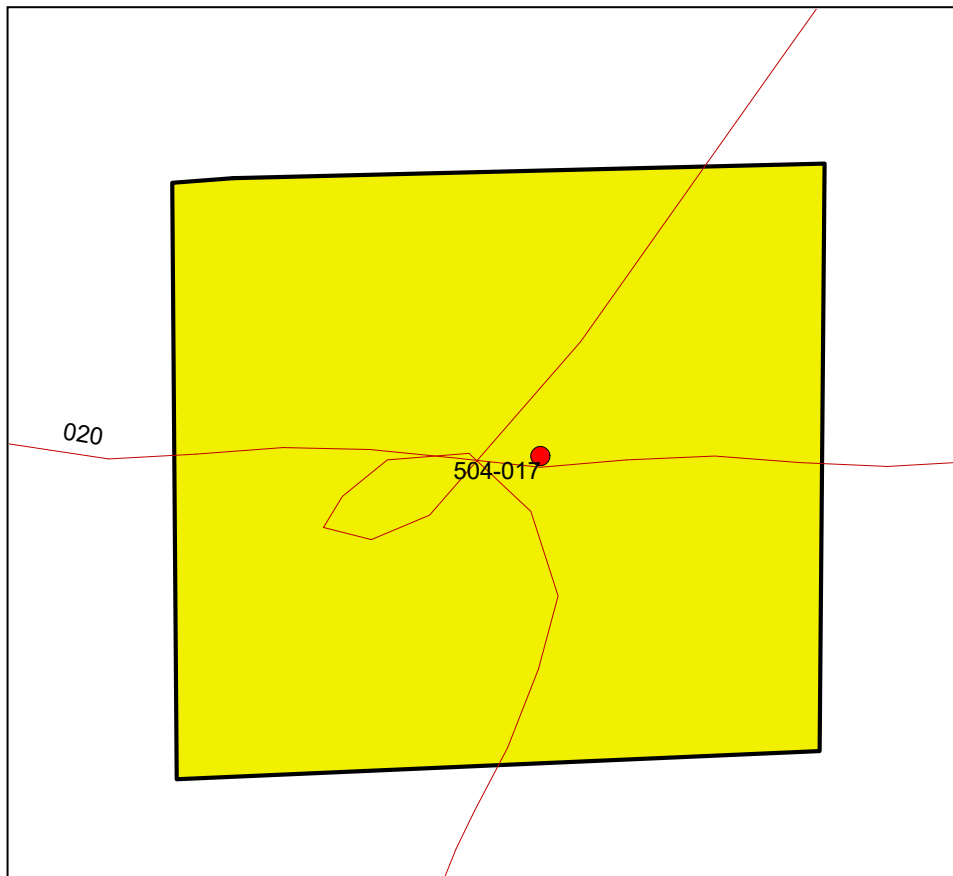
Dybde 18m

Seismiske linjer: 026

Eksisterende boringer:
Ingen



504-017



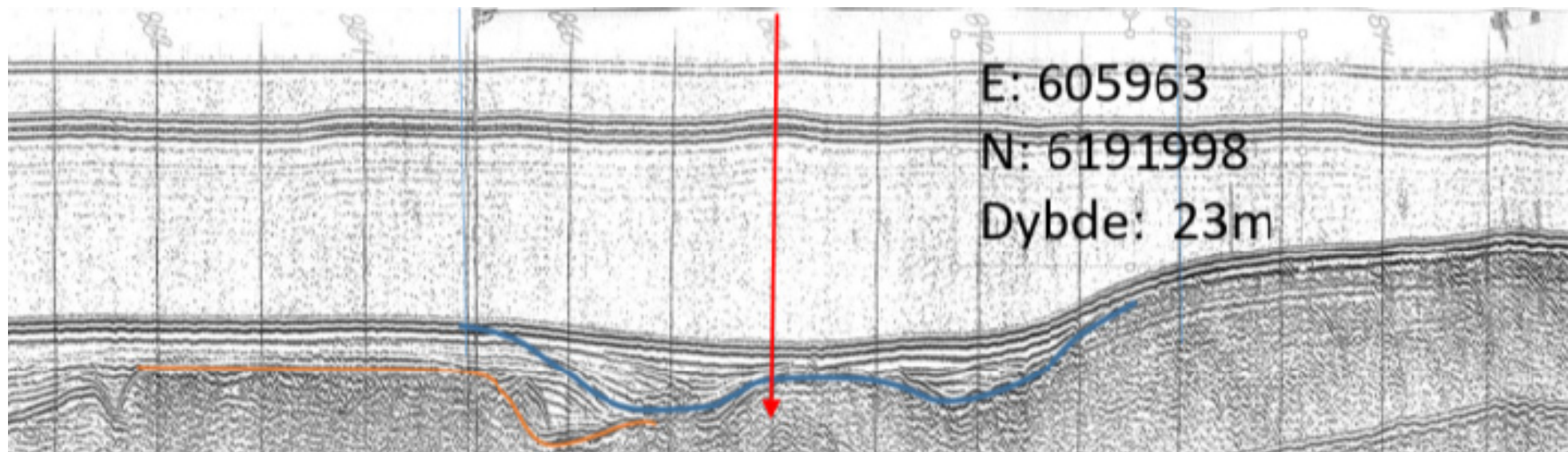
Generel information:
Akkumulationsflak

Resource Type: Sand

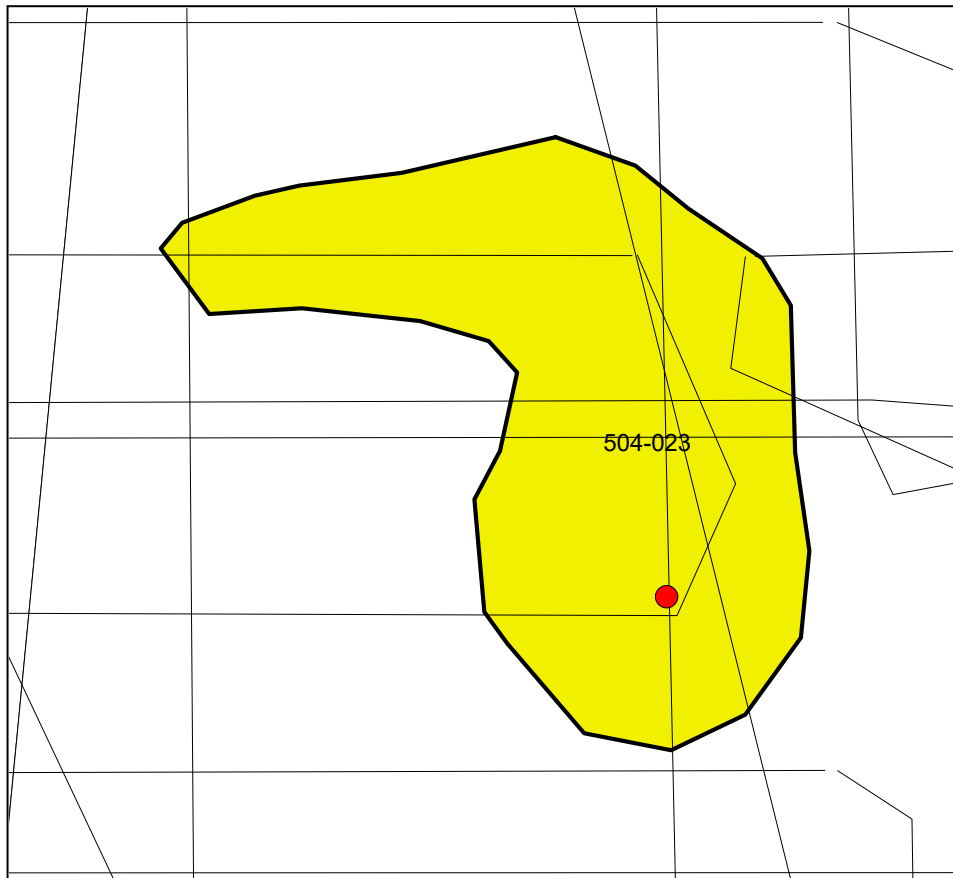
Borring position og vanddybde:
(WGS84)
504-017-1) 605693,33 , 6191792,53
approx vanddybde: 23 m

Seismiske linjer: 020

Eksisterende boringer:
Ingen



504-023



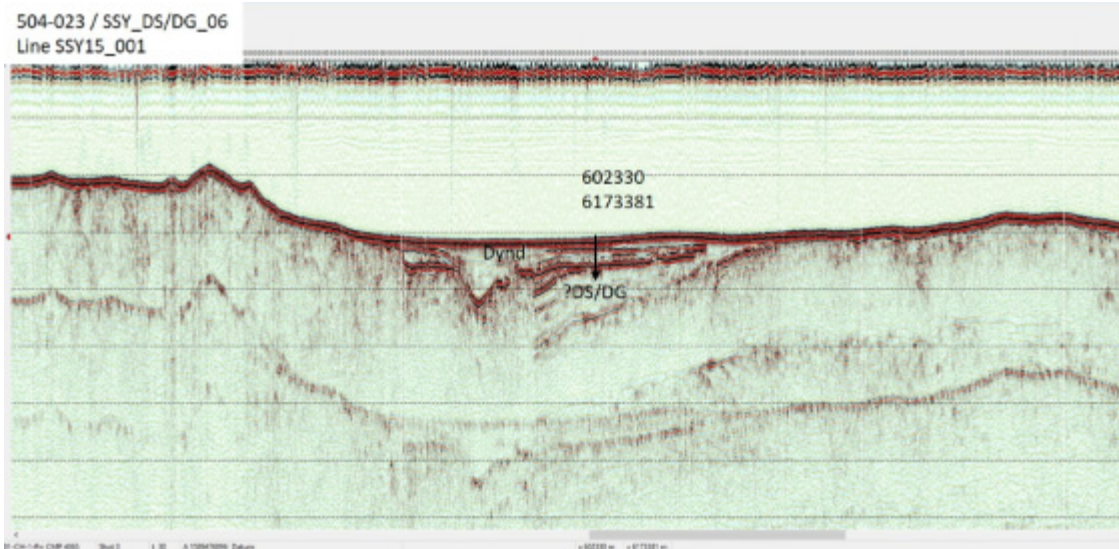
Generel information:
Akkumulationsflak

Resource Type: Sand

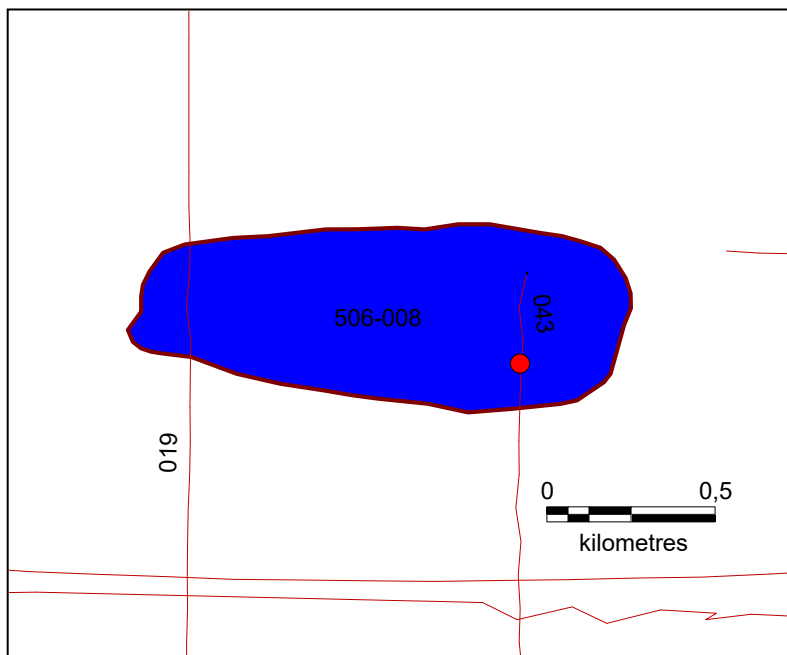
Borring position og vanddybde:
(WGS84)
504-023-1) 602330 , 6173381
approx vanddybde: 20 m

Seismiske linjer: linje SSY15_001

Eksisterende borringer:
Ingen



506-008



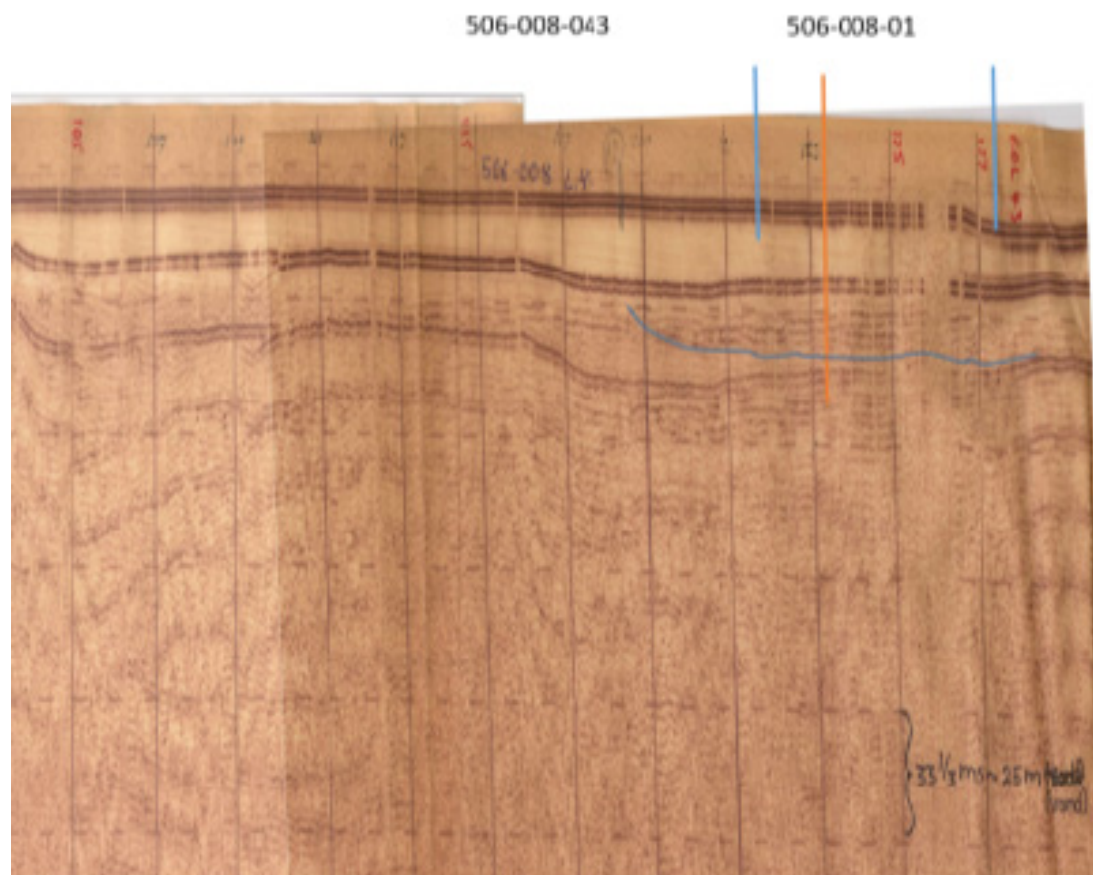
Generel info:
Postglacial saltvandssand.

Pos. Boring (WGS84)
506-008-1) 616900,28 , 6204524,47

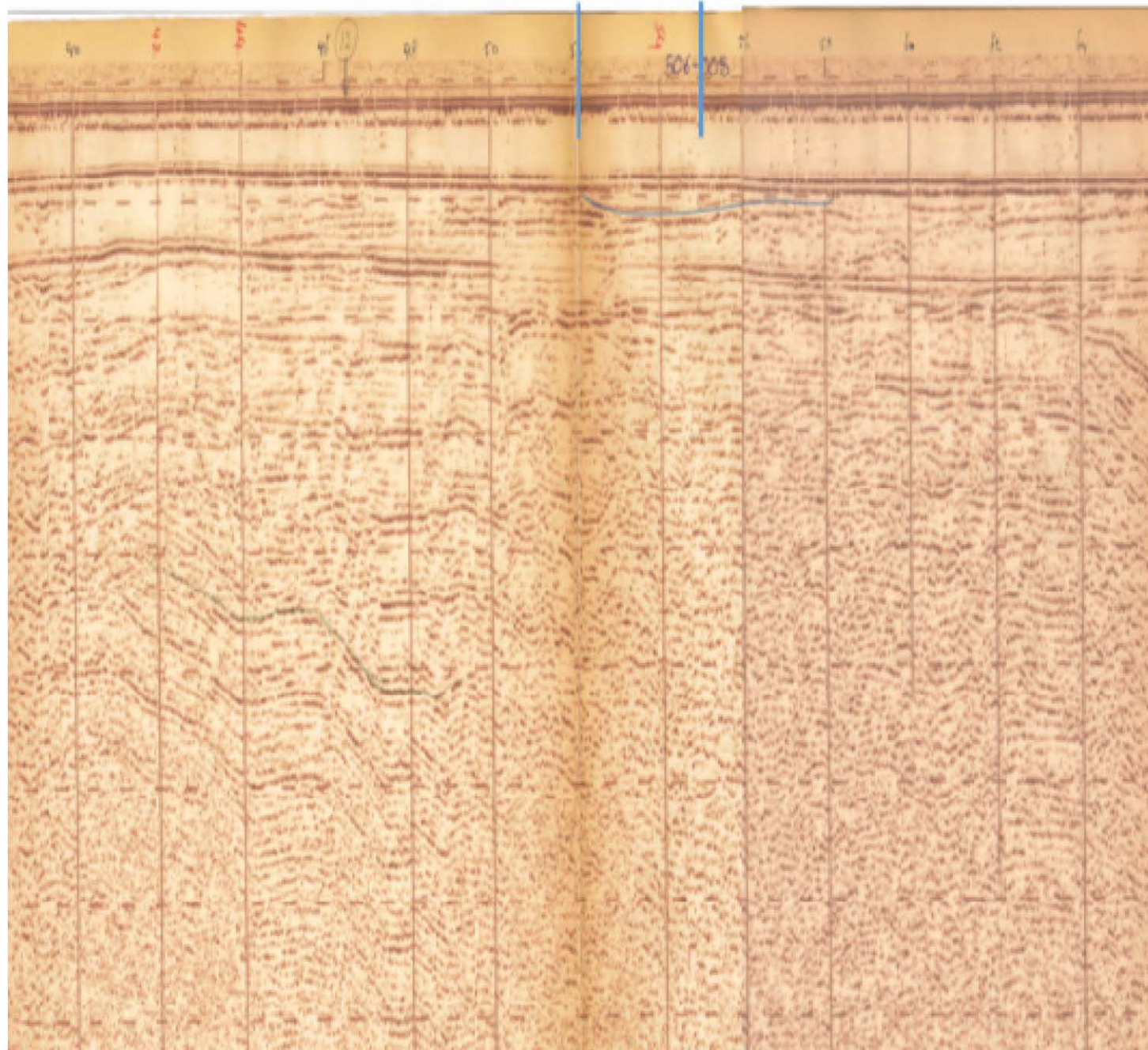
Vanddybde 14 m

Seismiske linjer: 043, 019

Eksisterende boring:



506-008-019



506-011



Generel info:

Senglacial ferskvandssand

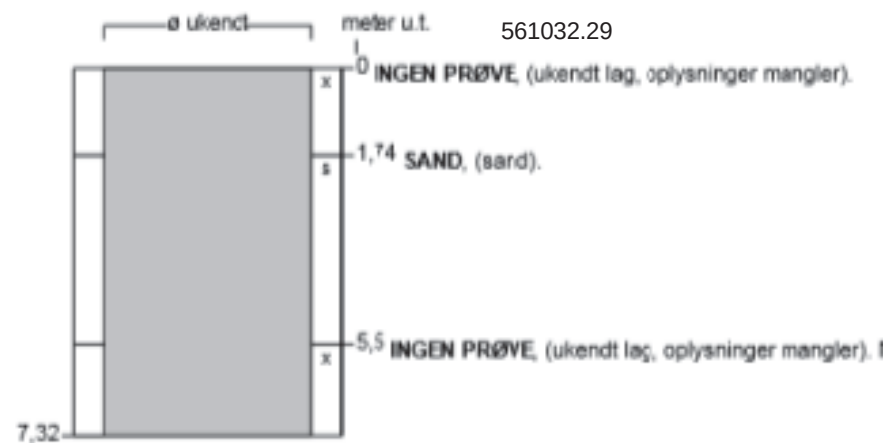
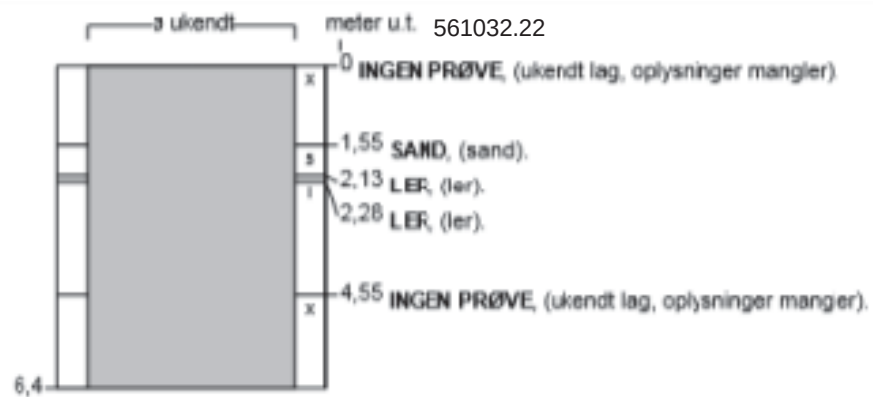
Pos. Boring (WGS84) :

506-011-1) 619626 , 6208913

Vanddybde: 21 m

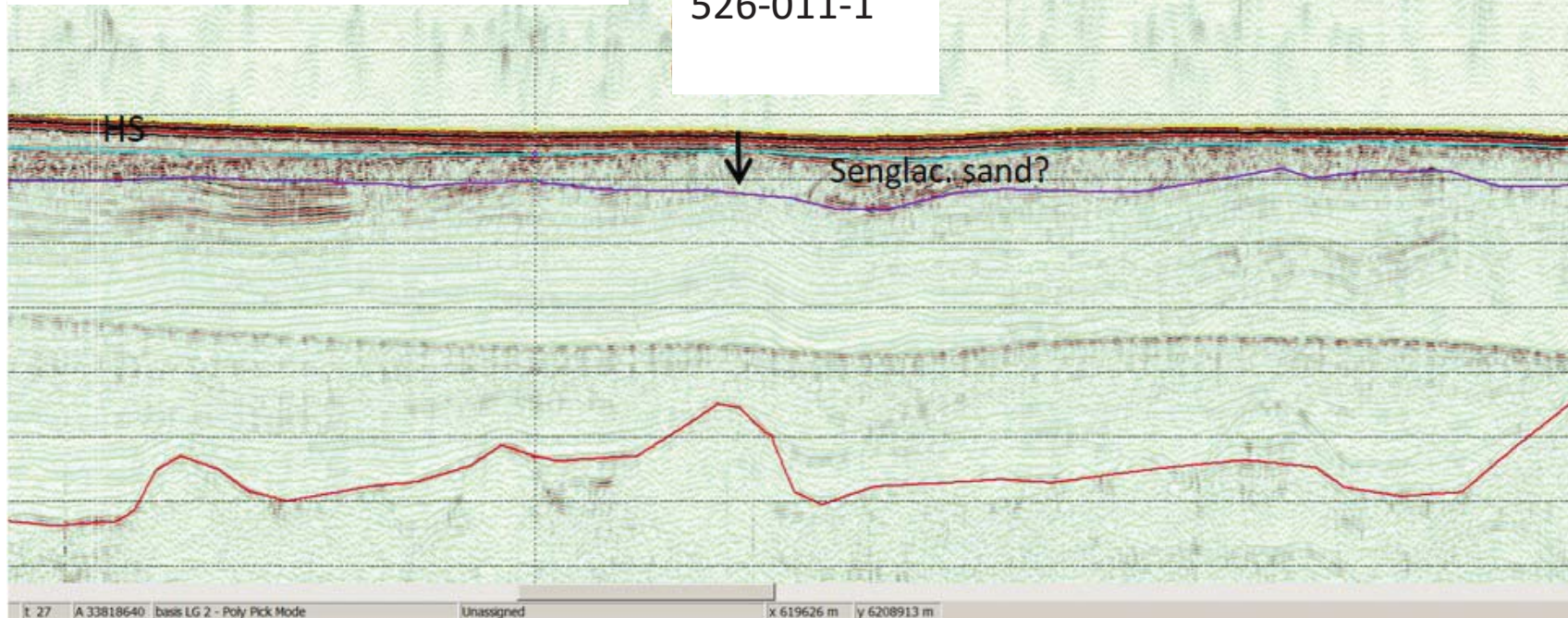
Seismiske linjer: linje MF_YF_MF15_018

Eksisterende boring: 561032.22, 561032.29

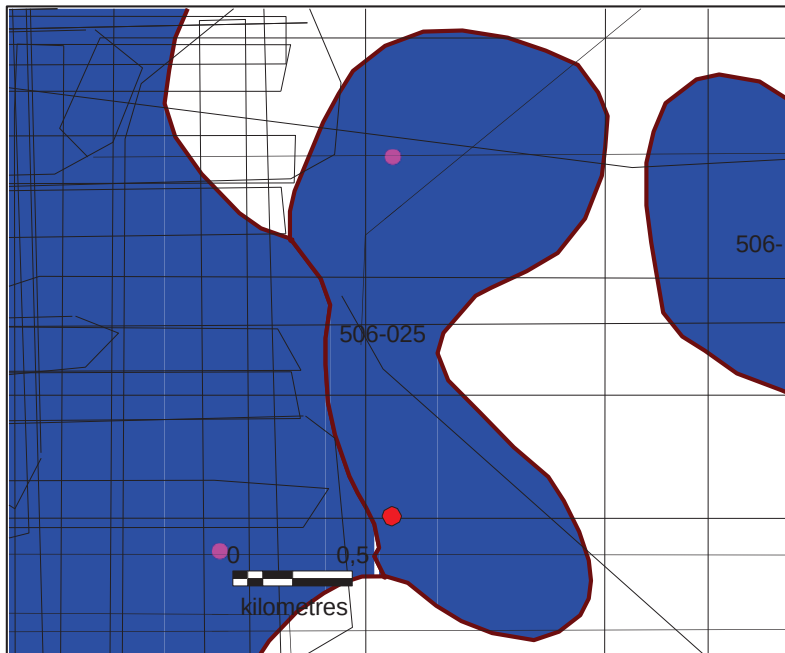


Line MF_YF-MF15_018

526-011-1



506-025



Generel info:
Senglacial ferskvandssand

Pos. Boring (UTM 32) :
506-025-1) 619605 , 6213984

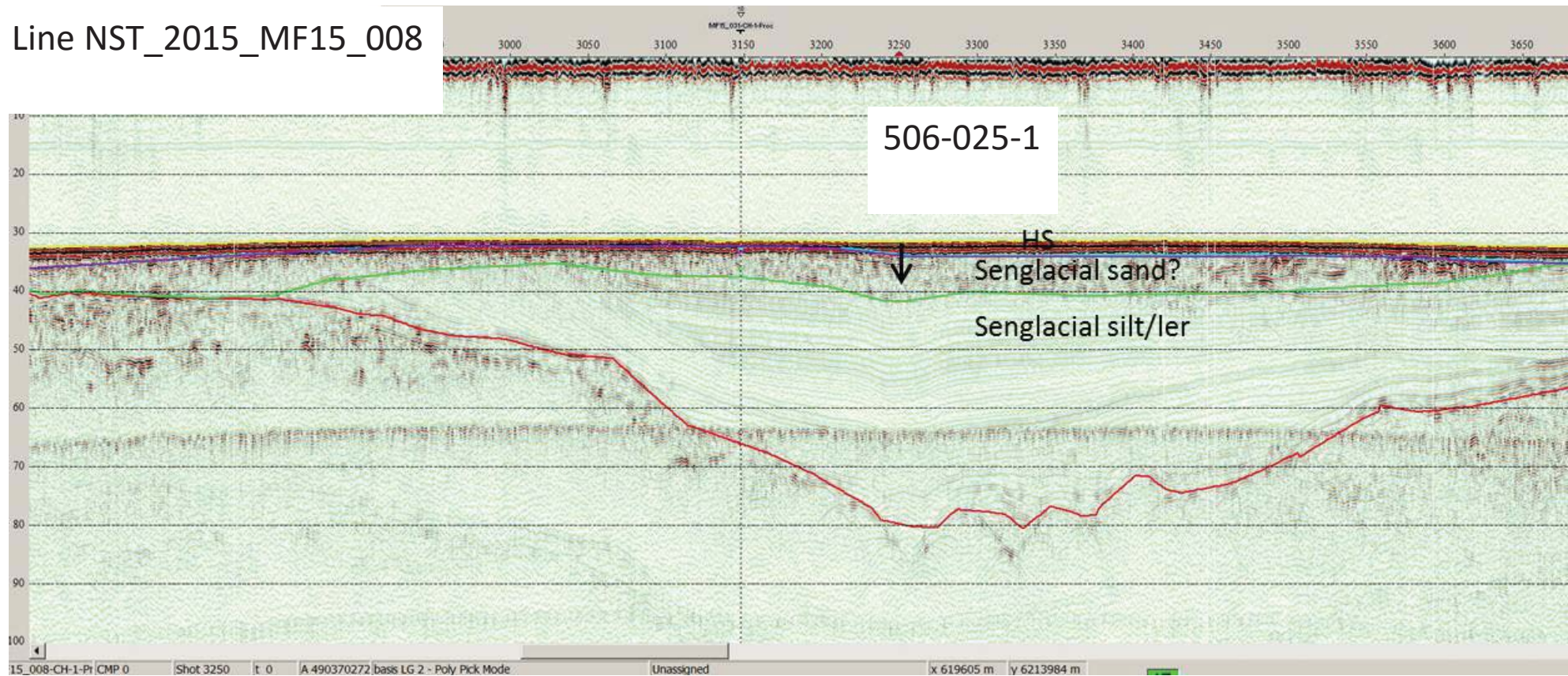
Vanddybde: 25-30 m m

Seismiske linjer: linje NST_2015 MF15_008

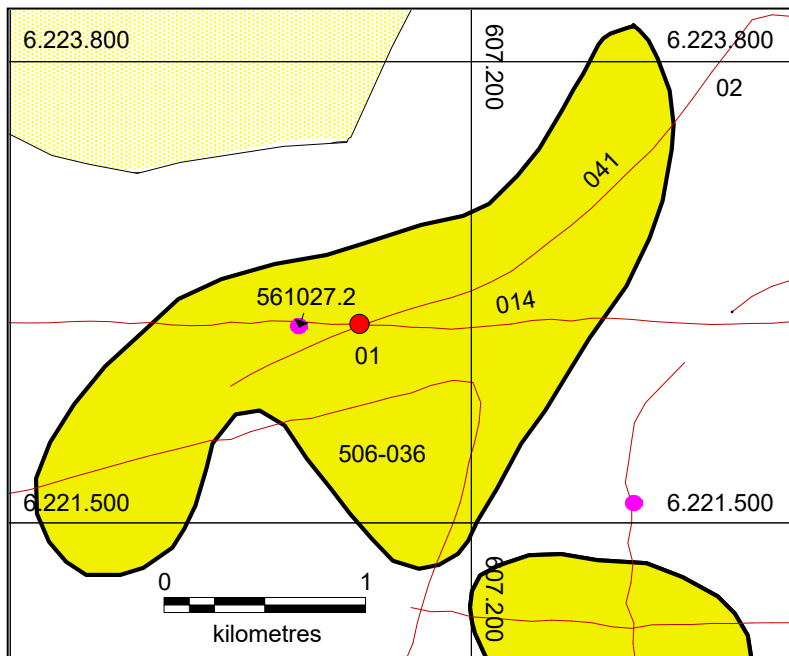
Eksisterende boring: 561032.32



Line NST_2015_MF15_008



506-036



Generel info:

Postglacial saltvandssand

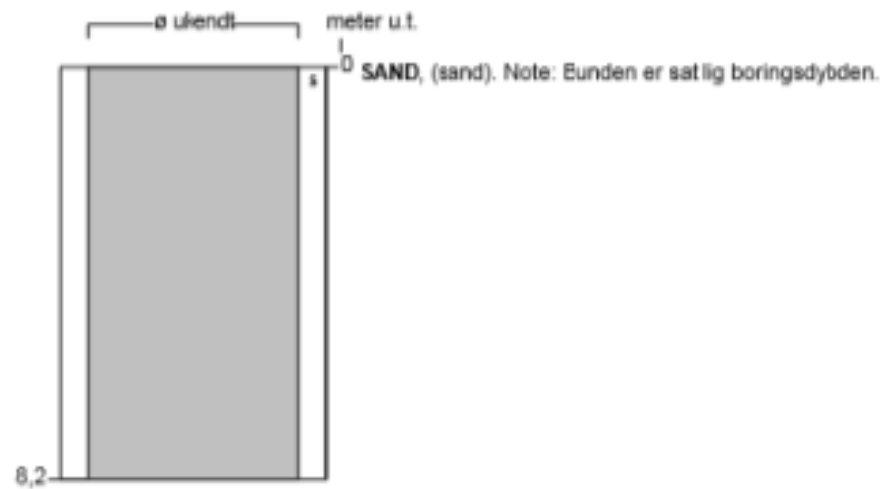
Pos. Boring 506-036-1 (WGS84): 606558,33 , 6222286,39

Vanddybde: 7 m

Vanddybde: 20 m

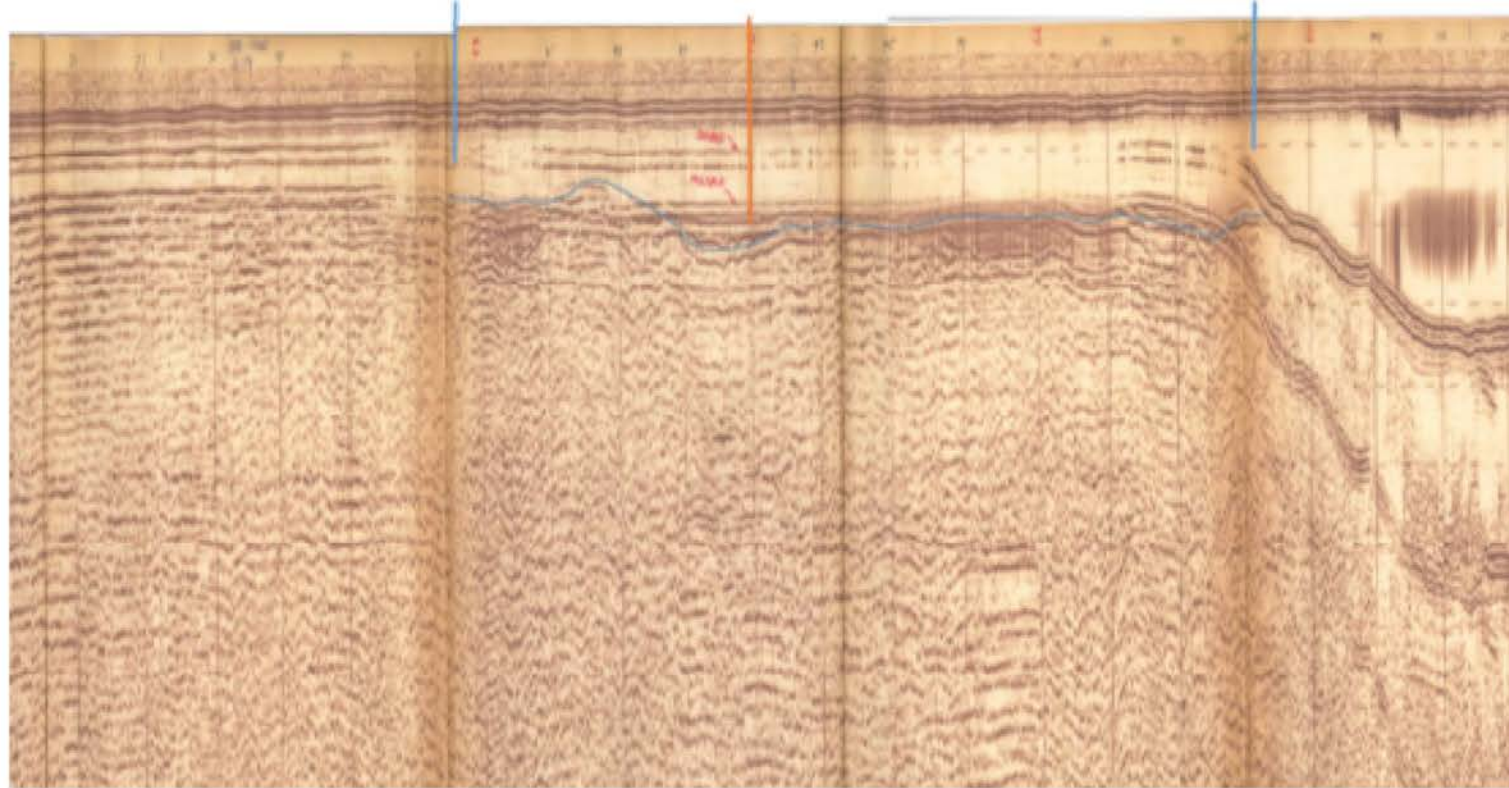
Seismiske linjer: 041, 014

Eksisterende boring: 561027.2

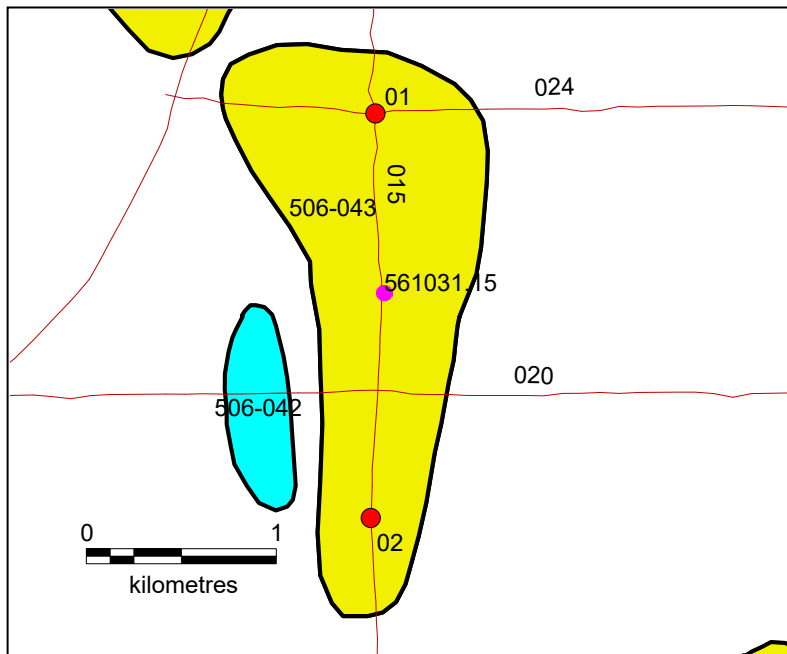


506-036-014

506-036-01



506-043



Generel info:

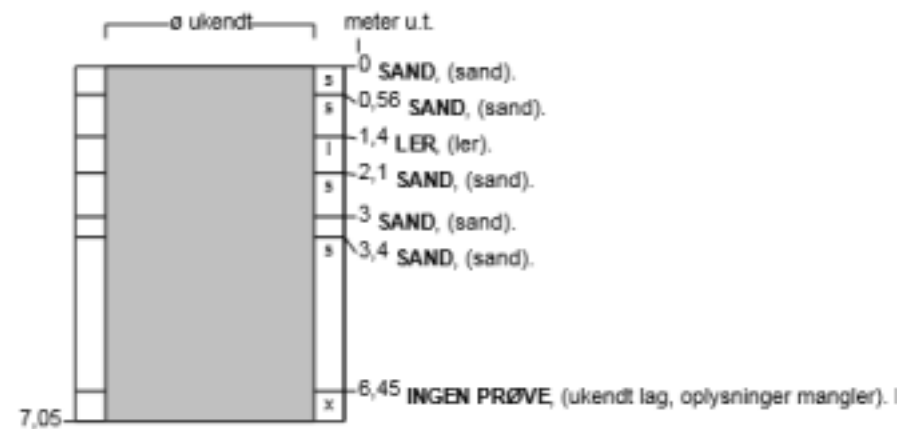
Smeltevandssand og –grus. Erosionsrest af stærkt glacialt forstyrret materiale. I den nordlige del af området forekommer muligvis stenrev, der kan repræsentere tidligt holocæne strandvolde.

Pos. Boring 506-043-1 (WGS84) : 607925,32 , 6220771,39

Vanddybde 21 m

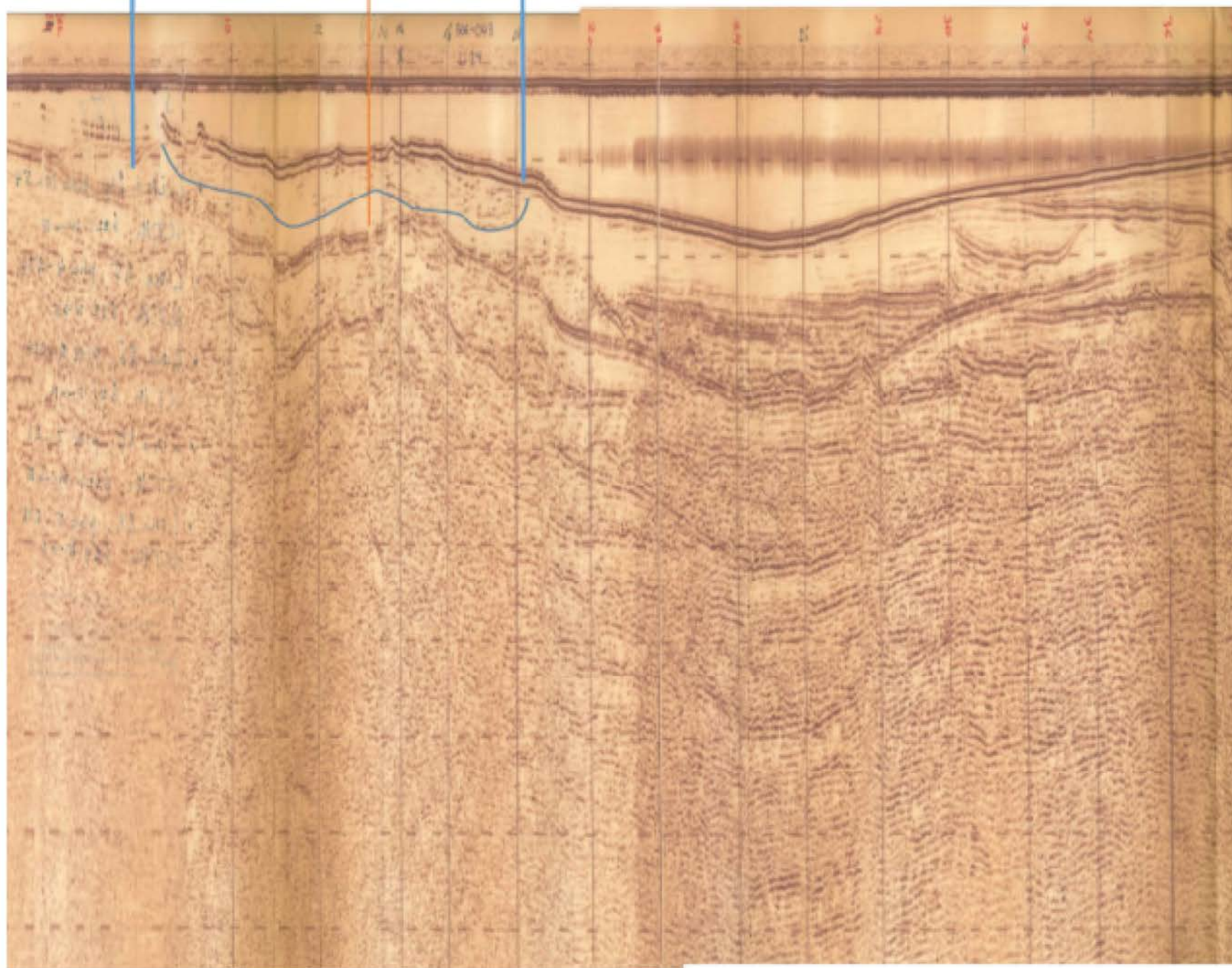
Seismiske linjer: 020, 015, 024

Eksisterende boring: 561031.15

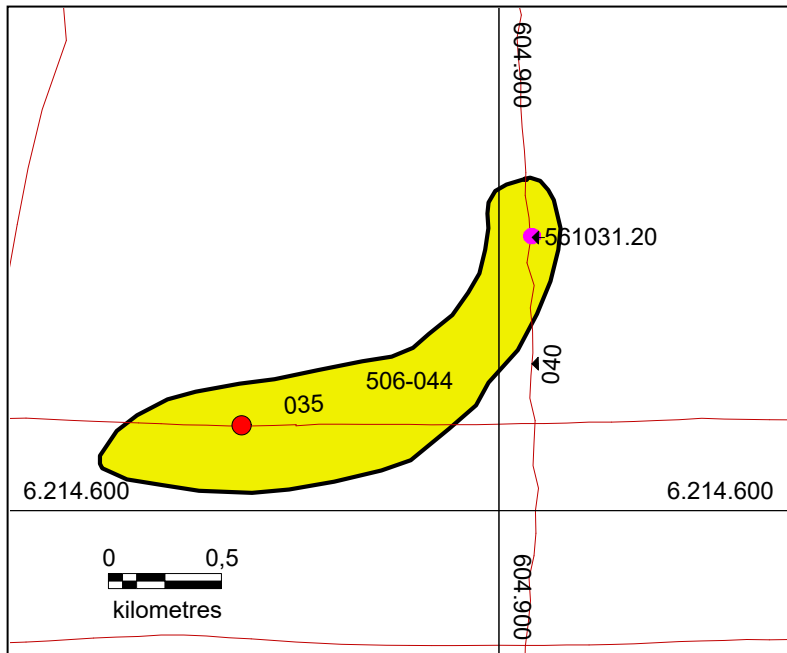


506-043-024

506-043-01



506-044



Generel info:

Akkumulationsflak af marint sand og grus. Boring 561.031.22 i den nordligste del af forekomsten viser smeltevandssand umiddelbart under de marine aflejringer. bor i sydlige del

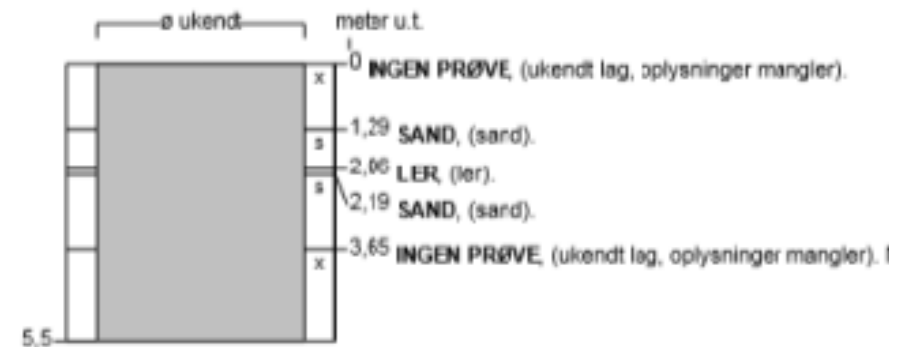
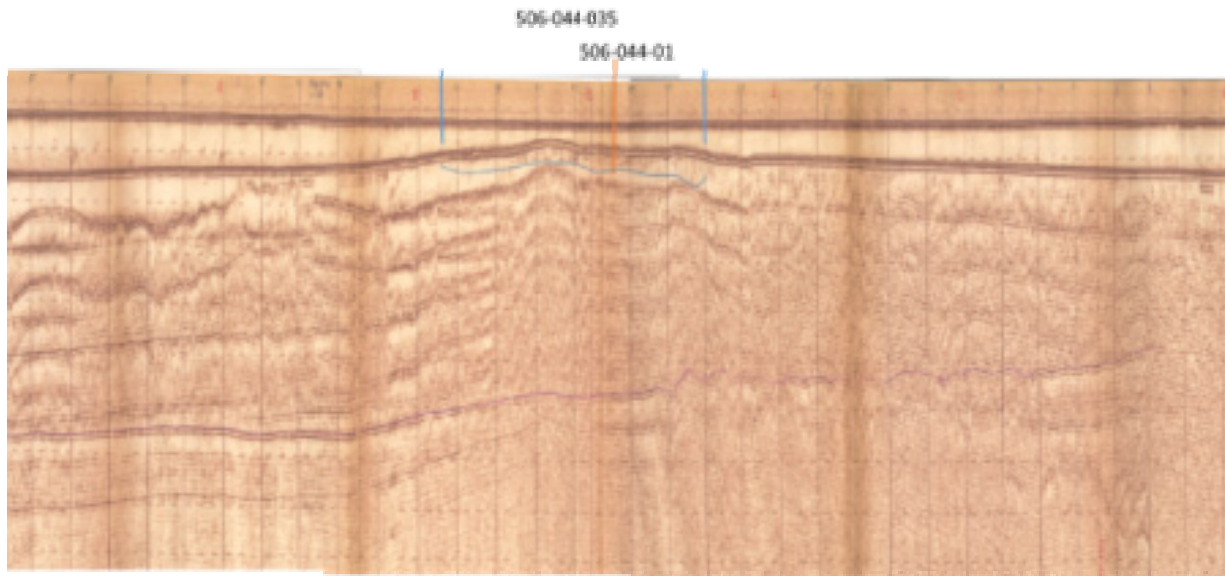
Pos. Boring (UTM 32):

506-044-1) 603673,34 , 6214773,42

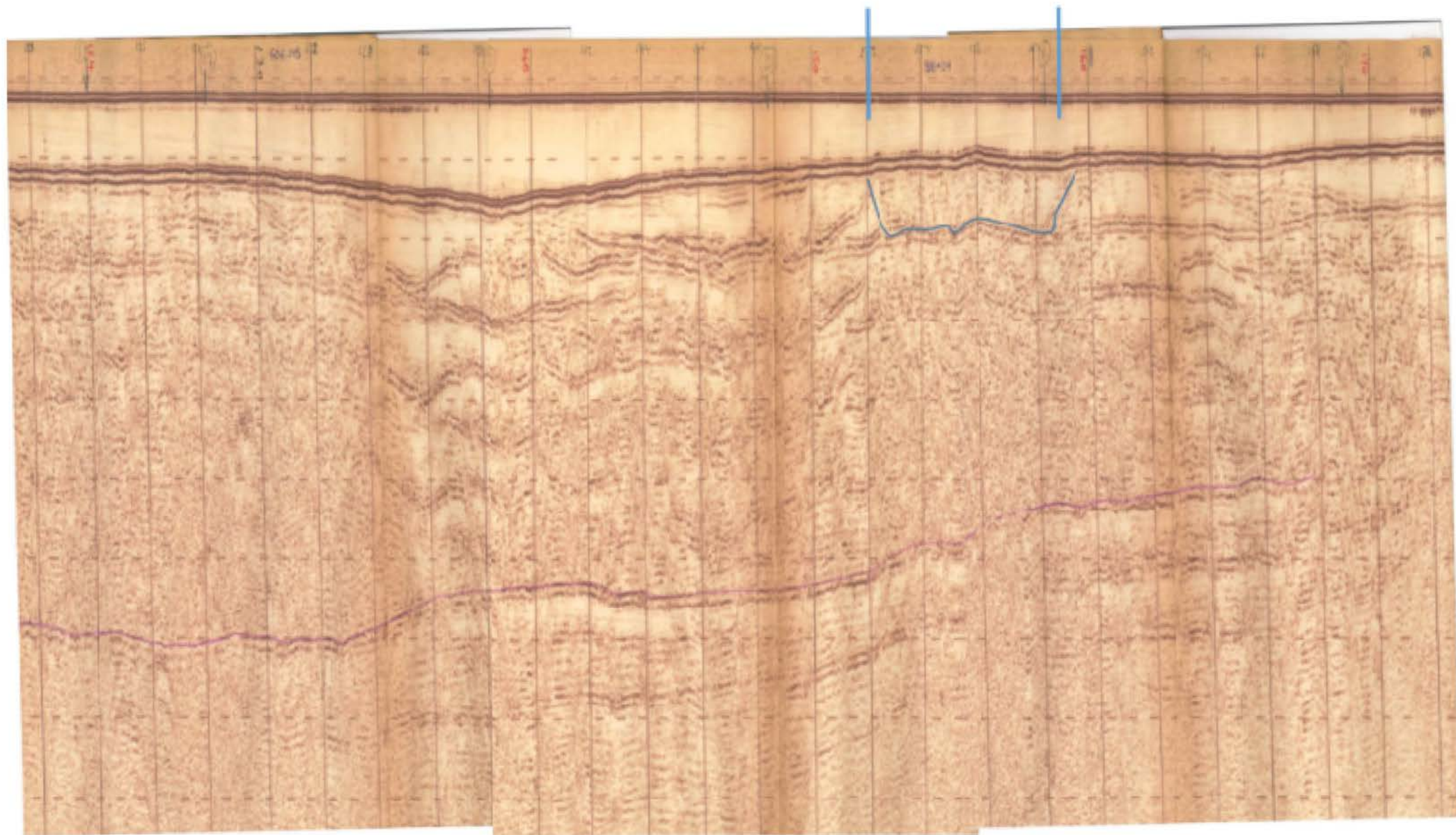
Vanddybde 16 m

Seismiske linjer: 035, 040

Eksisterende boring: 561031.20



506-044-040



506-045

Generel info:
Postglacial saltvandsgrus

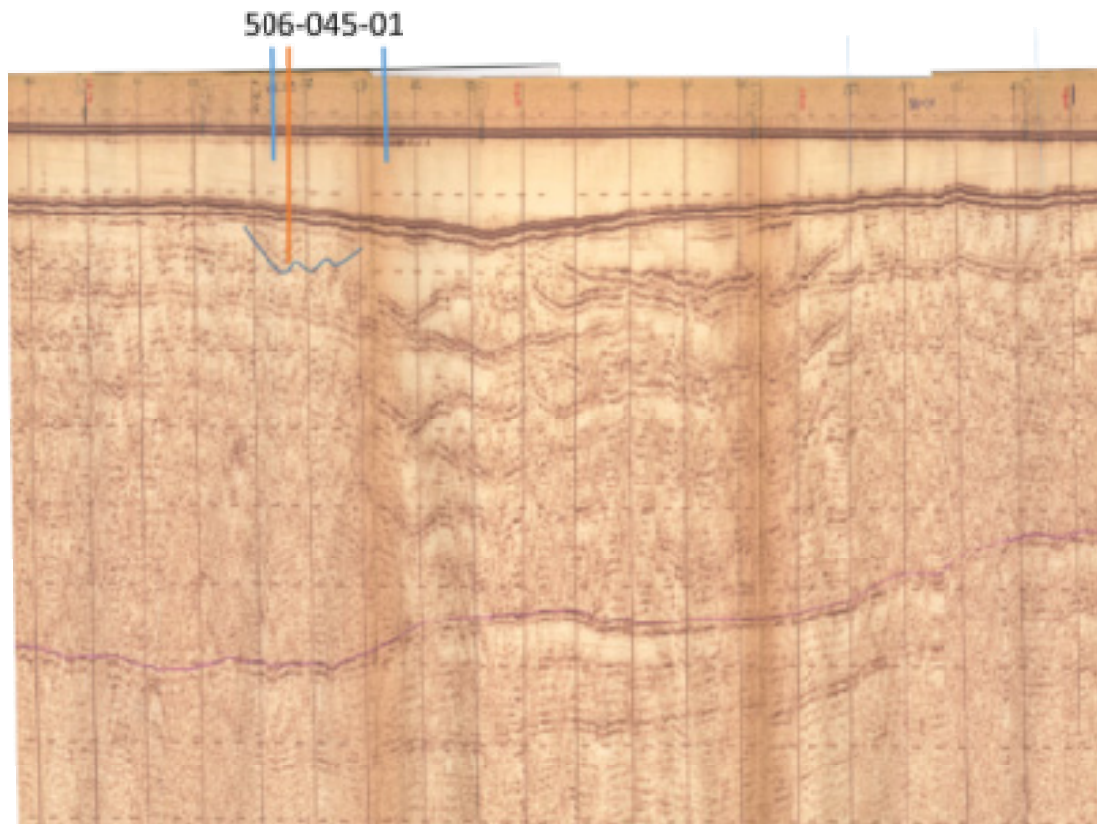
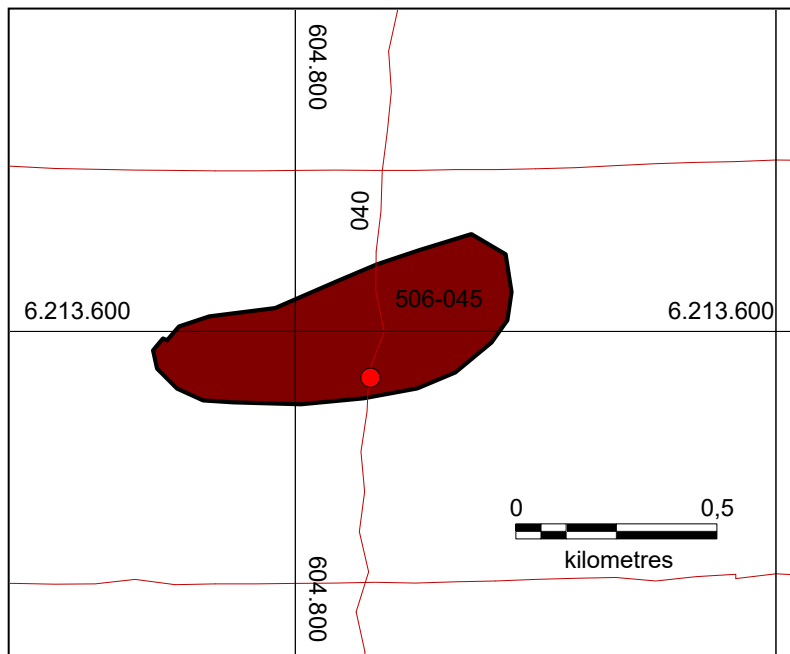
Pos. Boring (WGS84) :
506-042-1) 604903,34 6213278,43

Vanddybde 29 m

Seismiske linjer: 040

Eksisterende boring:

506-045-040



506-047

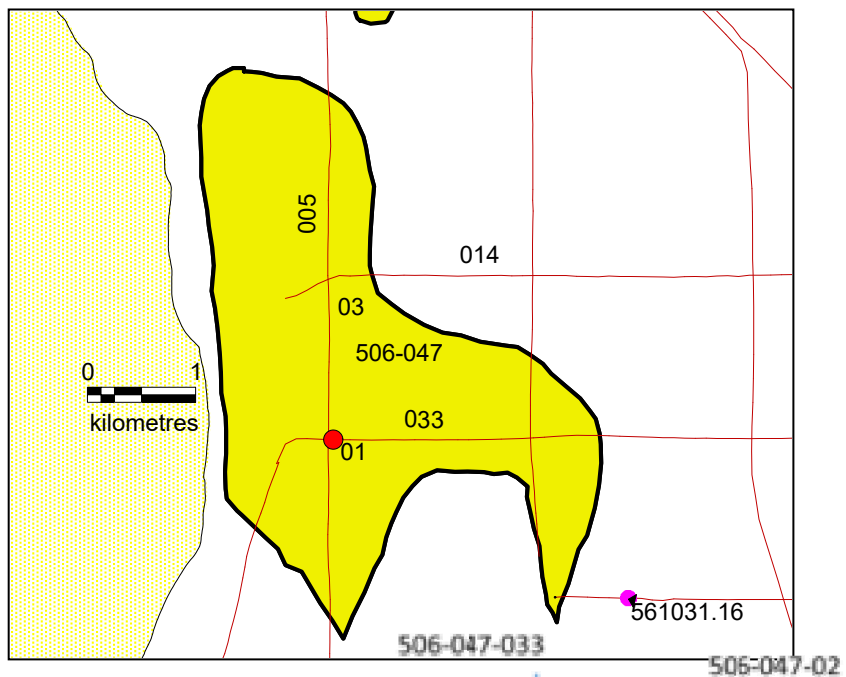
Generel info:
Postglacial saltvandsgrus

Pos. Boring (WGS84) :
506-047-1) 598060,37 , 6220775,4

Vanddybde: 10 m

Seismiske linjer: 005, 033, 014

Eksisterende boring:



506-048

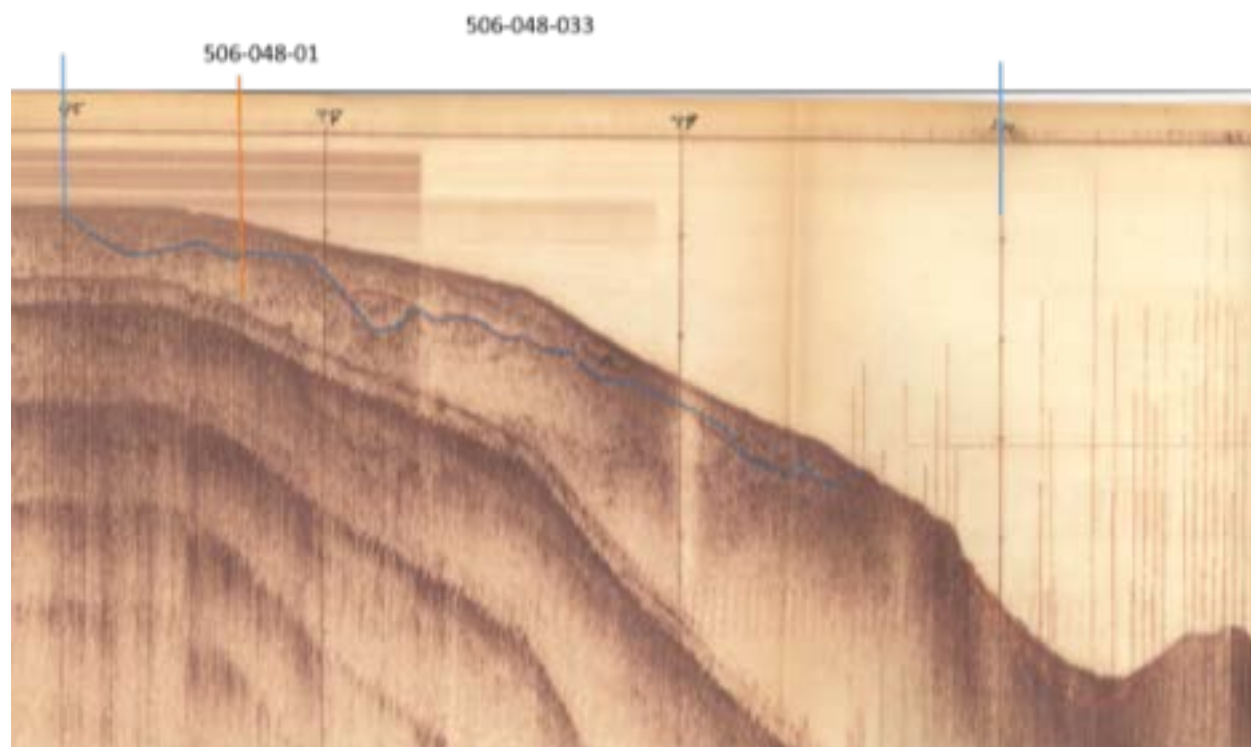
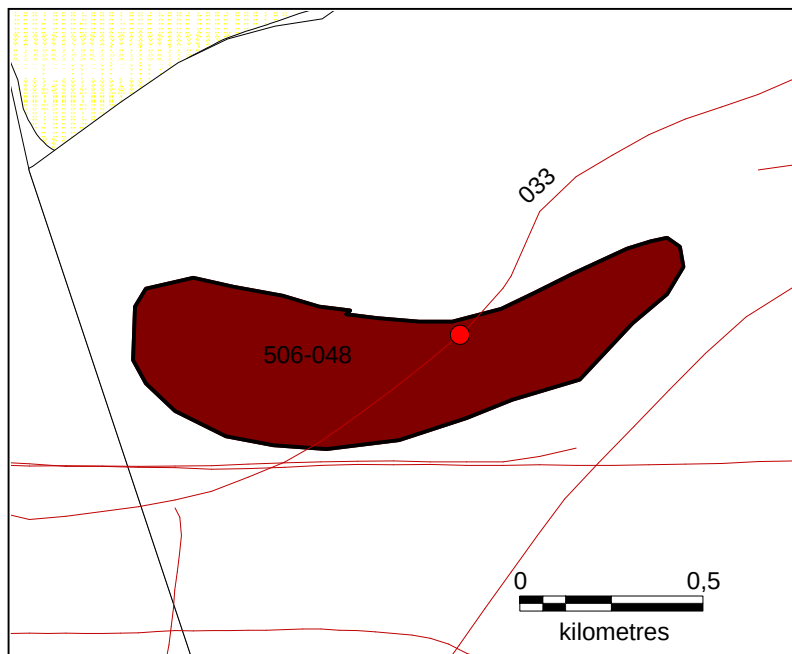
Generel info:
Postglacial saltvandsgrus.

Pos. Boring (WGS84) :
506-048-1) 595197,38 6217145,42

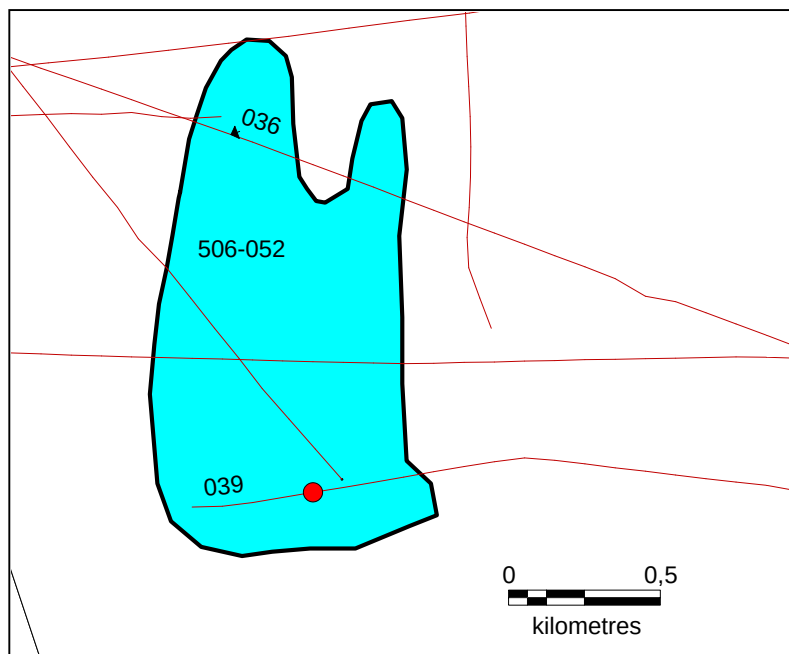
Vanddybde: 11 m

Seismiske linjer: 033

Eksisterende boring:



506-052



Generel info:
Postglacial saltvandsgrus.

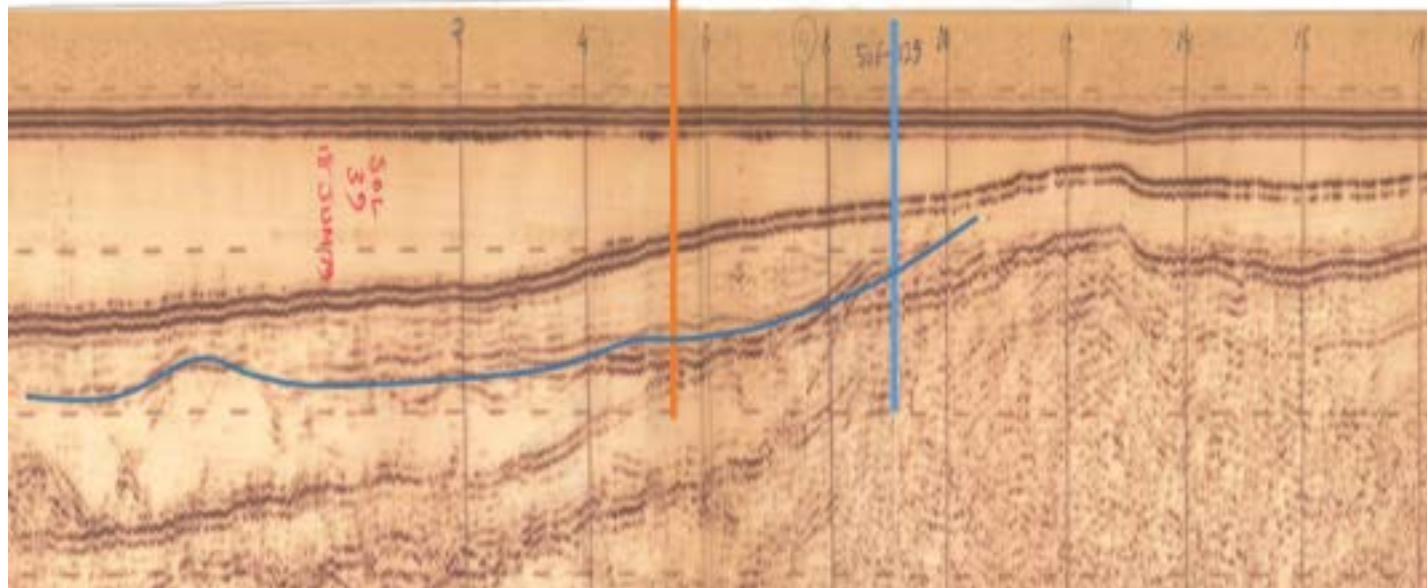
Pos. Boring : (WGS84):
506-052-1) 597516,38 , 6210351,44

Seismiske linjer: 039

Eksisterende boring:

506-052-039

506-052-01



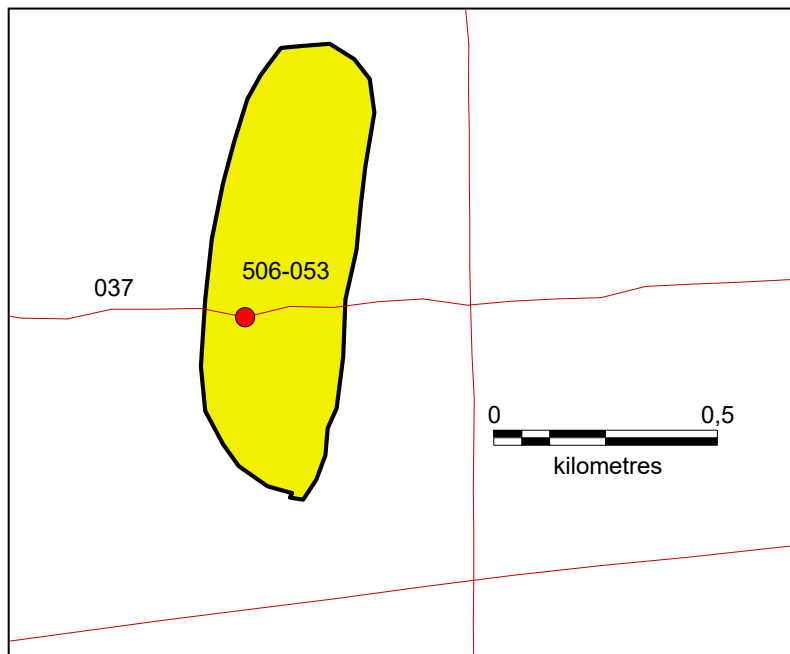
506-053

Generel info:
Postglacial saltvandssand

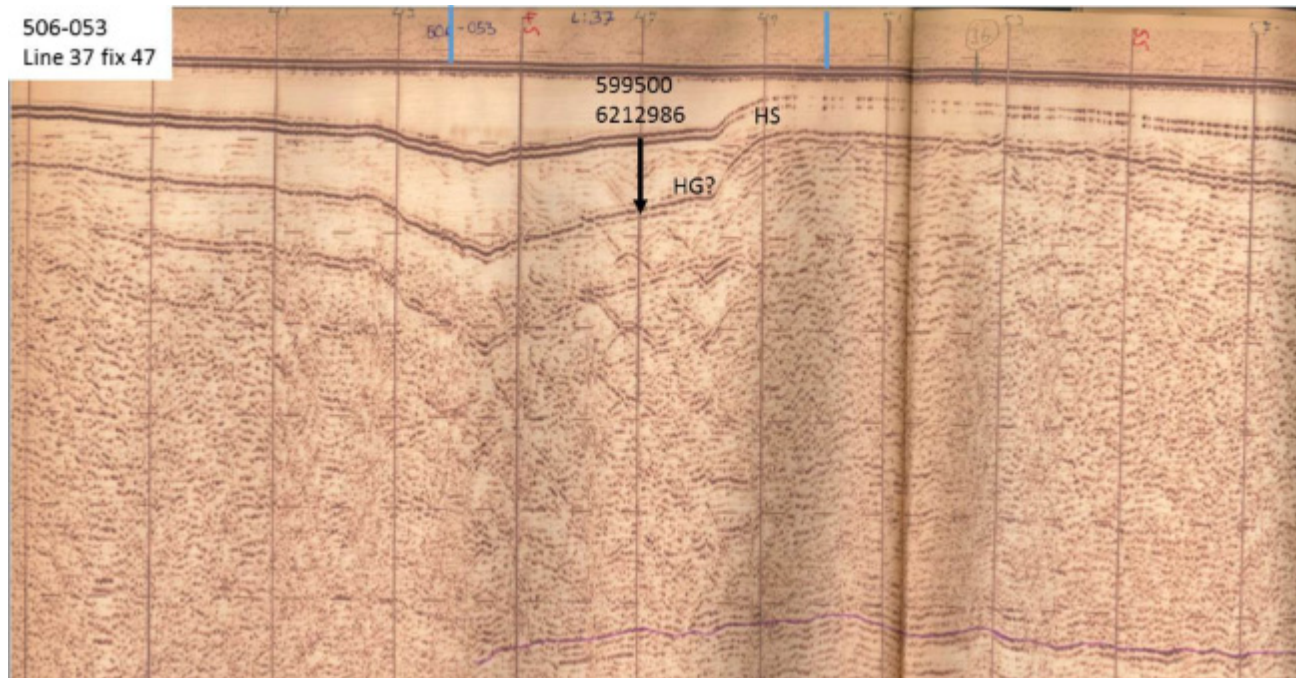
Pos. Boring : (WGS84)
506-053-1) 599416,37 , 6212780,44

Seismiske linjer: 037

Eksisterende boring:



506-053
Line 37 fix 47



506-081

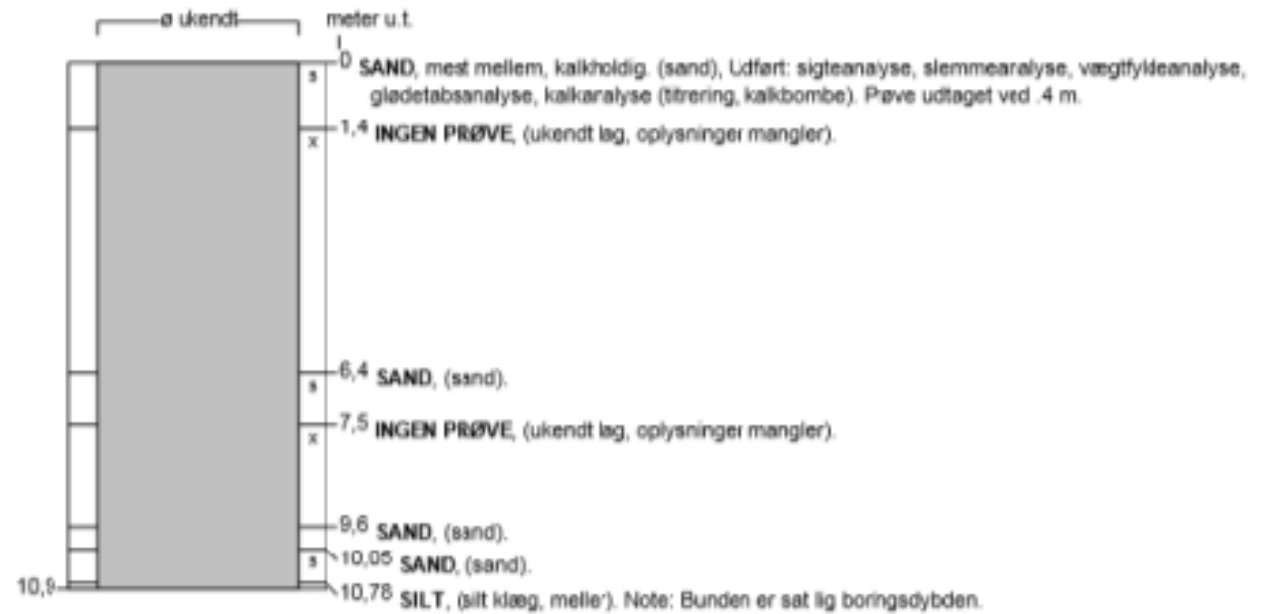
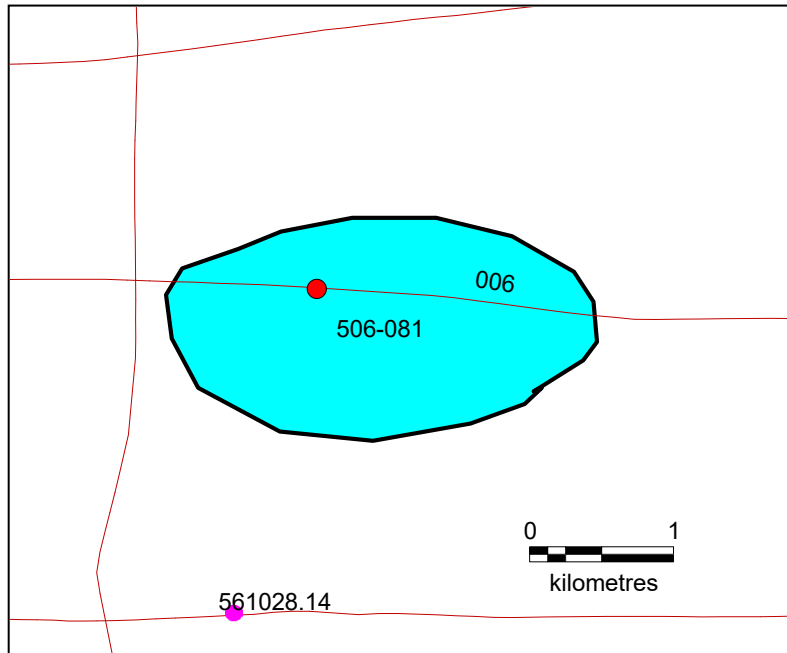
Generel info:
Postglacial saltvandsgrus

Pos. Boring : (WGS84)

506-081-2) 616166,28 , 6224054,37

Seismiske linjer: 006

Eksisterende boring: 561028.14



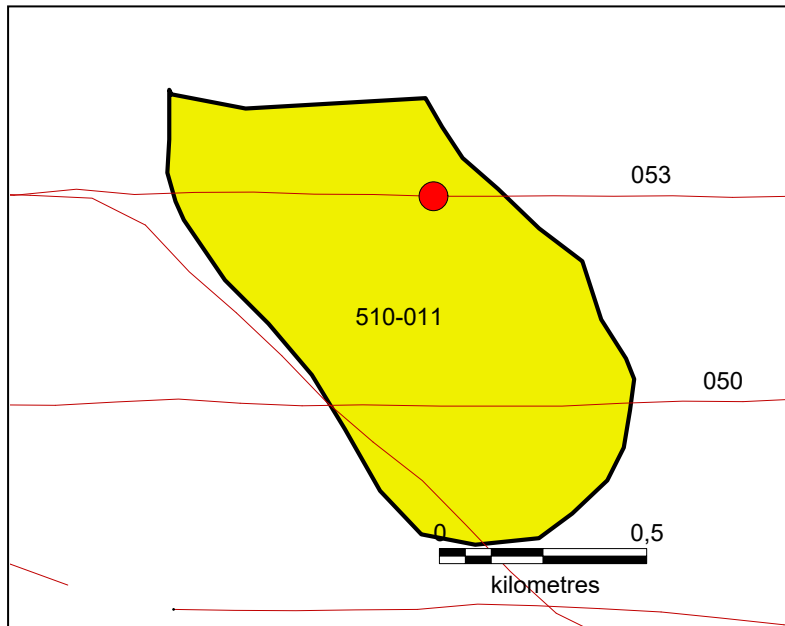
506-081-2
Line 518-006

616250
6224260



130

510-011



Generel info:
senglacial ferskvandssand

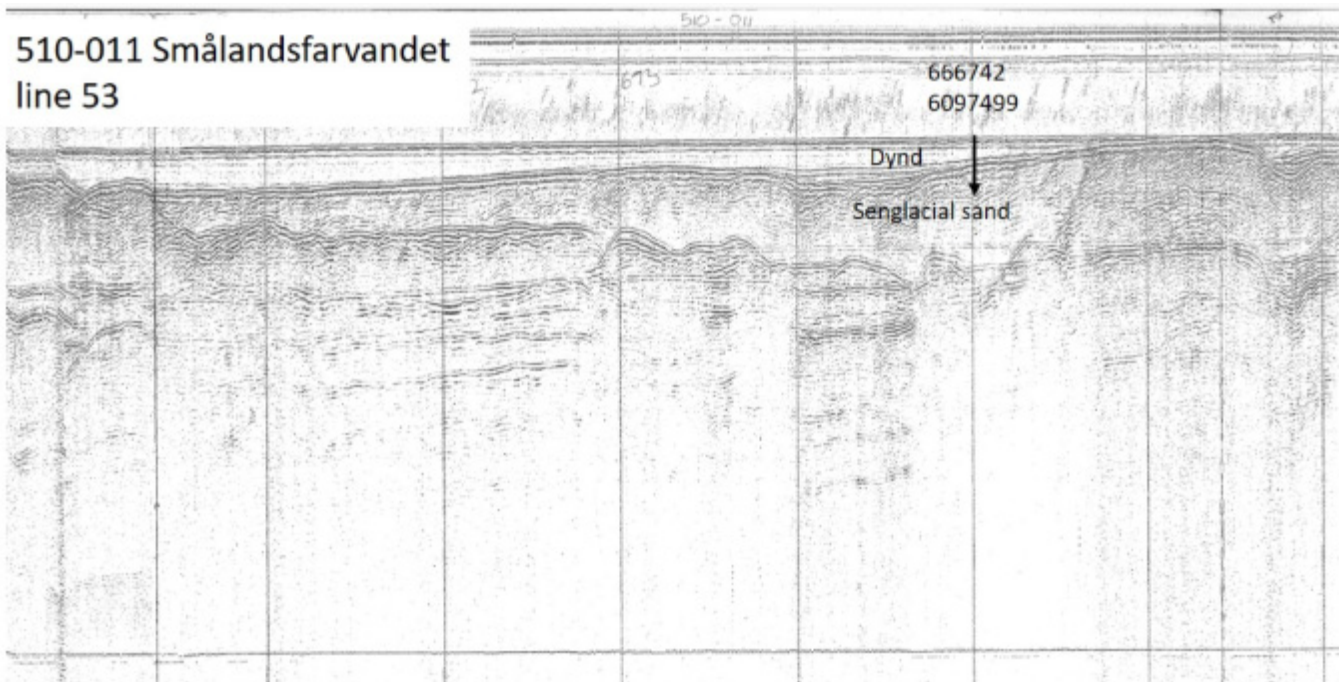
Pos. Boring : (WGS84)
666742 , 6097499

approx vanddybde: 12,5 m

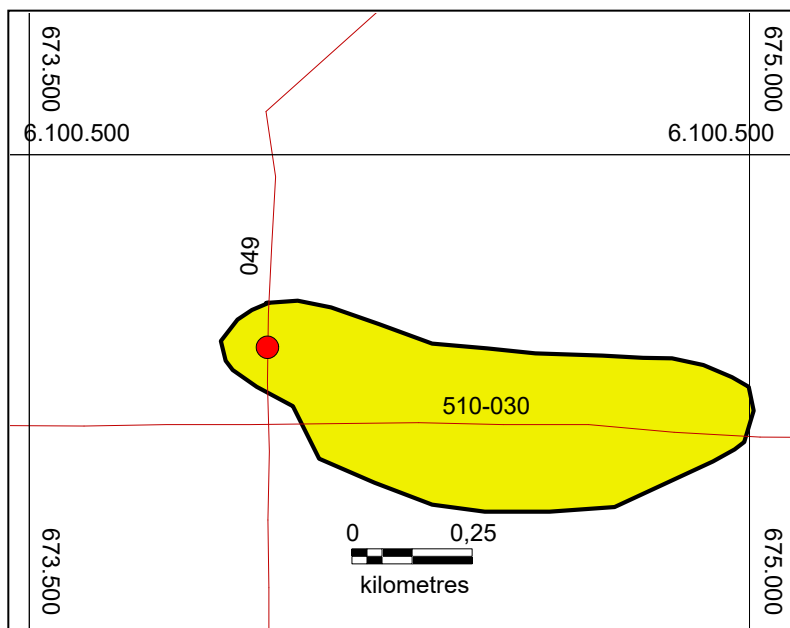
Seismiske linjer: 53

Eksisterende boring:

510-011 Smålandsfarvandet
line 53



510-030



Generel info:
Postglacial saltvandssand.

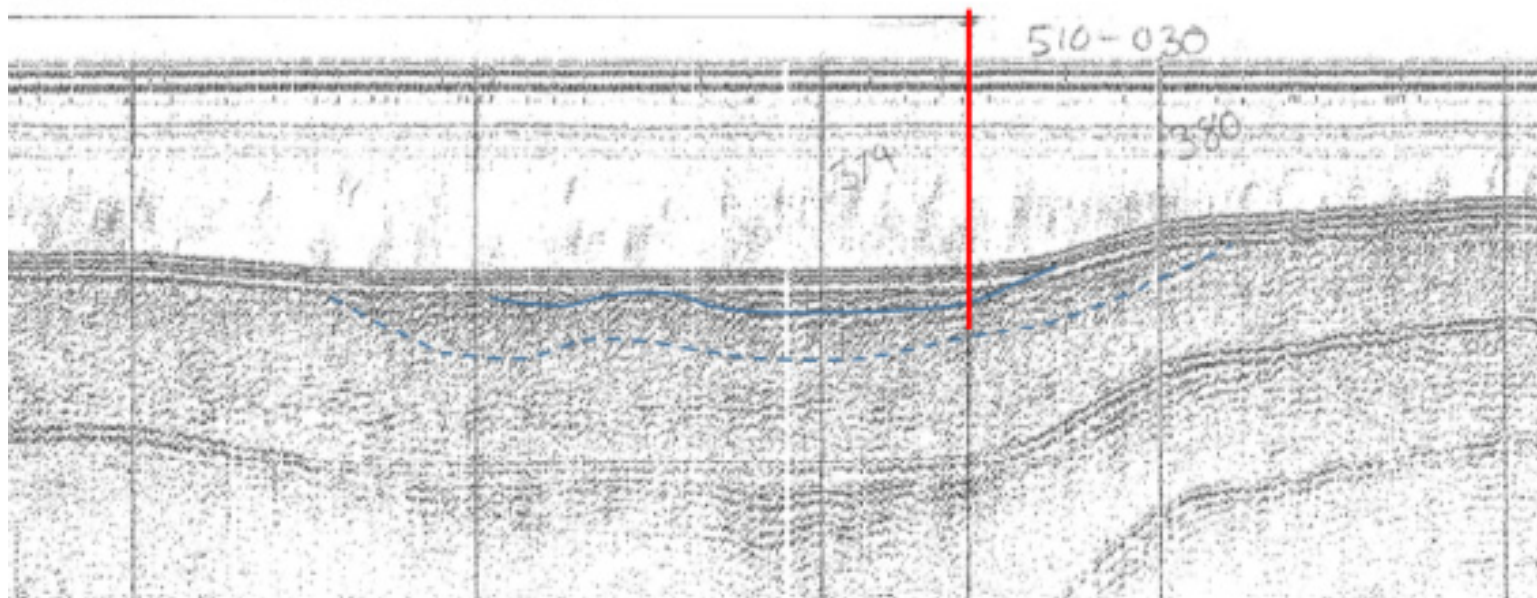
Pos. Boring : (WGS84)
510-030-1) 673912 , 6099894

Seismiske linjer: 49

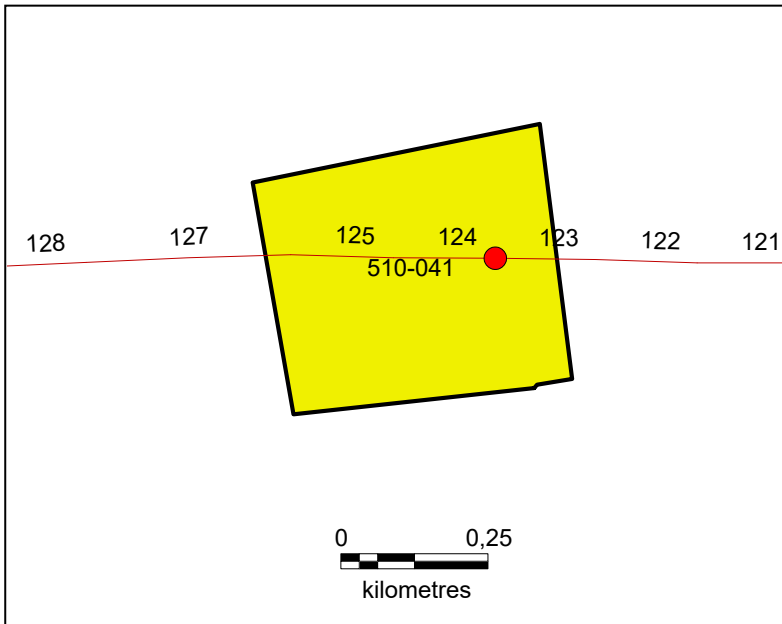
Eksisterende boring:

510-030-049

510-030-1



510-041



General info:

senglacial ferskvandssand. Spekulativ forekomst af senglacial oprindelse. Der er ingen tilgængelige borer fra forekomsten, og tolkningen er kun baseret på en enkelt seismisk linje. Det meget sparsomme data-grundlag gør ressourcen til meget spekulativ.

Pos. Boring : (WGS84)

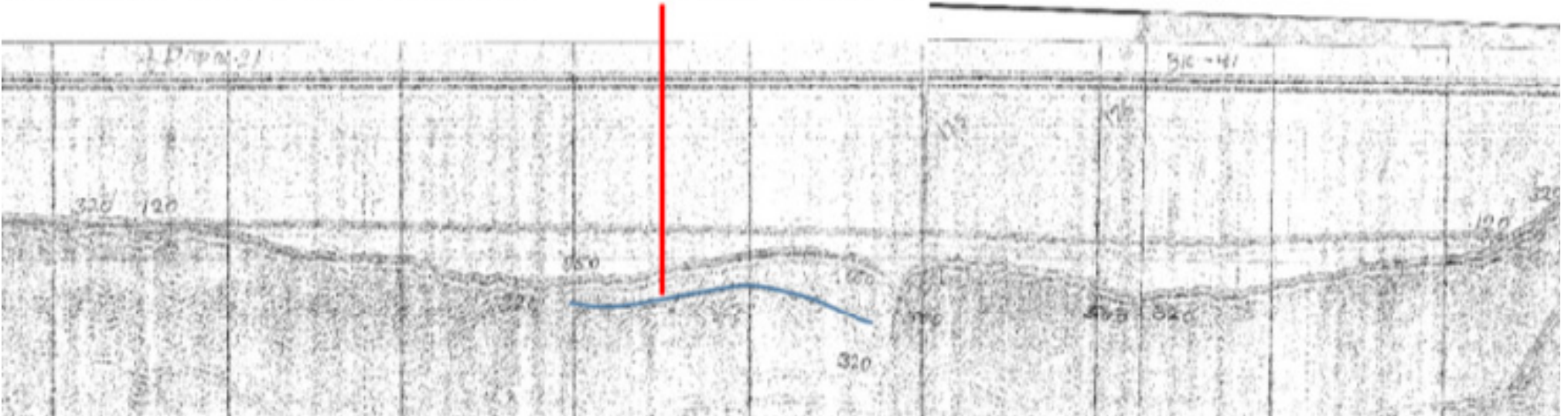
510-041-1) 657405,05 ; 6101800,98

Seismiske linjer: 005

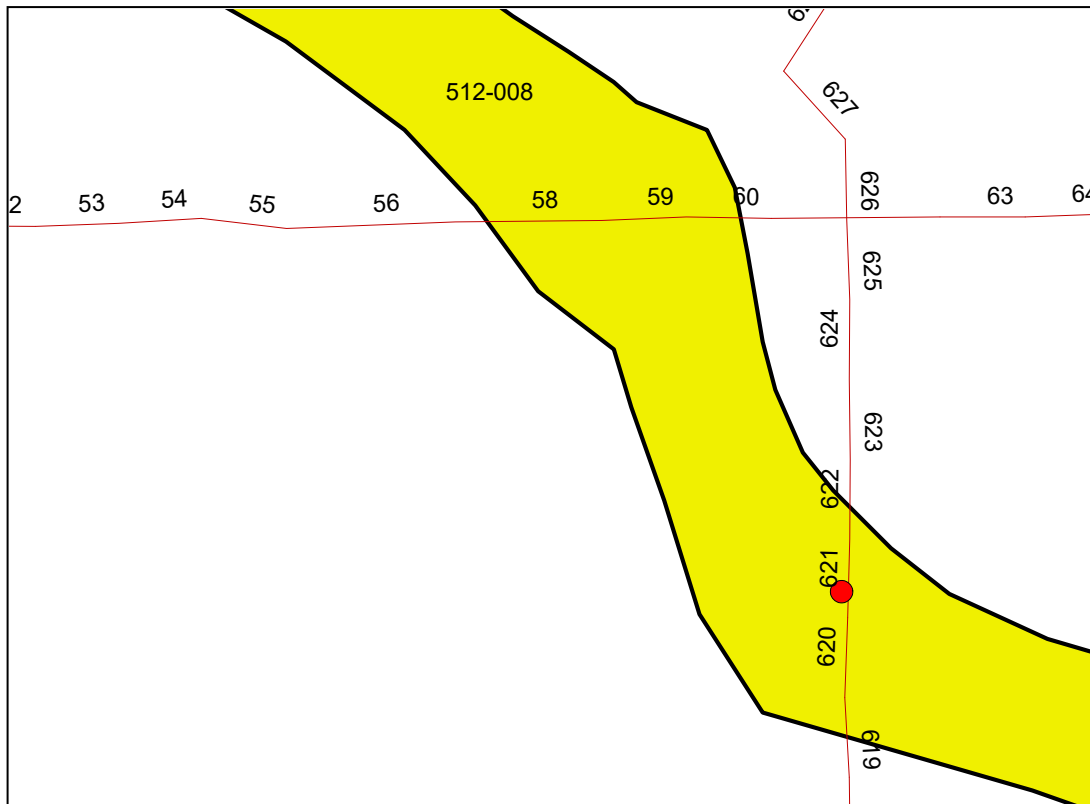
Eksisterende boring:

510-041-005

510-041-1



512-008



General information:
Ingen information

Resource Type: Sand

Borring position: (WGS84)
512-008-1) 622903,22 , 6081059,09

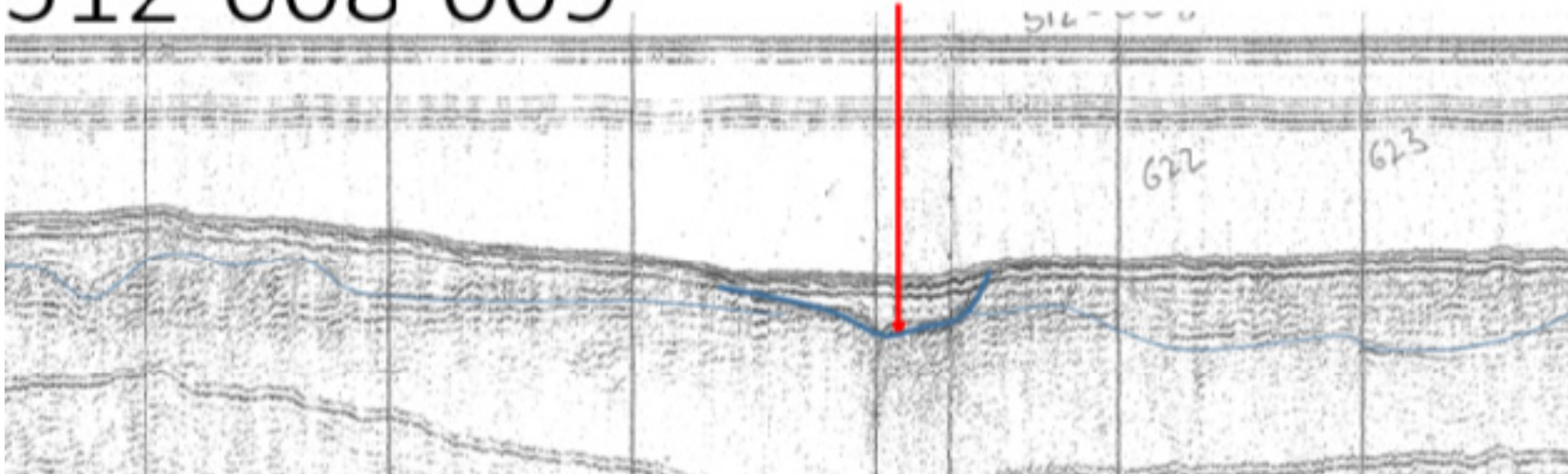
Estimeret vanddybde:

Seismiske linjer: 009, 020, 021, 022

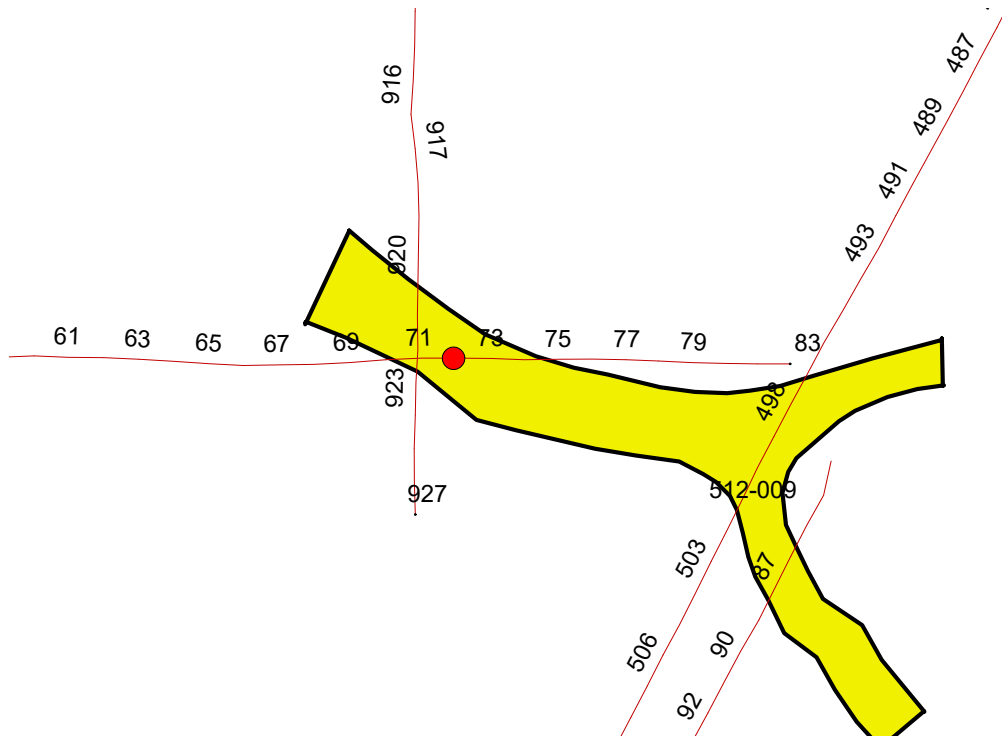
Eksisterende boringer:
Ingen

512-008-009

516-008-1



512-009



Generel information:

Delvis vanddybder < 6 m. Boring i den yderste del ønskes.

Resource Type: Sand

Borring position: (WGS84)

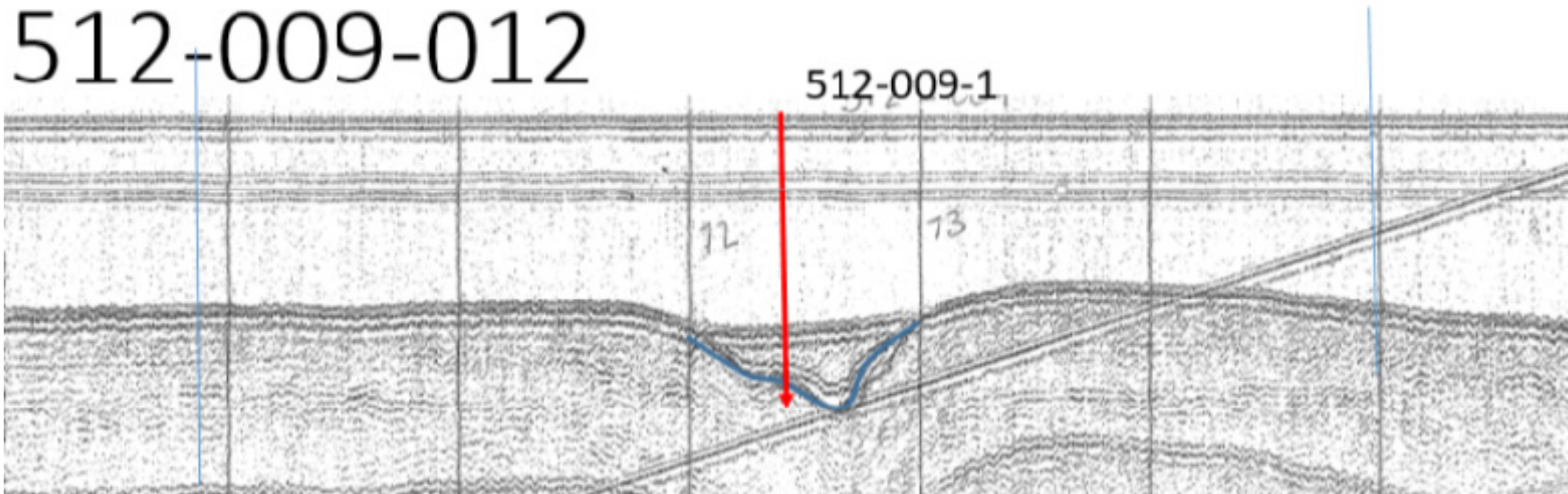
512-009-1) 626077,21 , 6087792,05

Estimeret vanddybde: 12,1 m

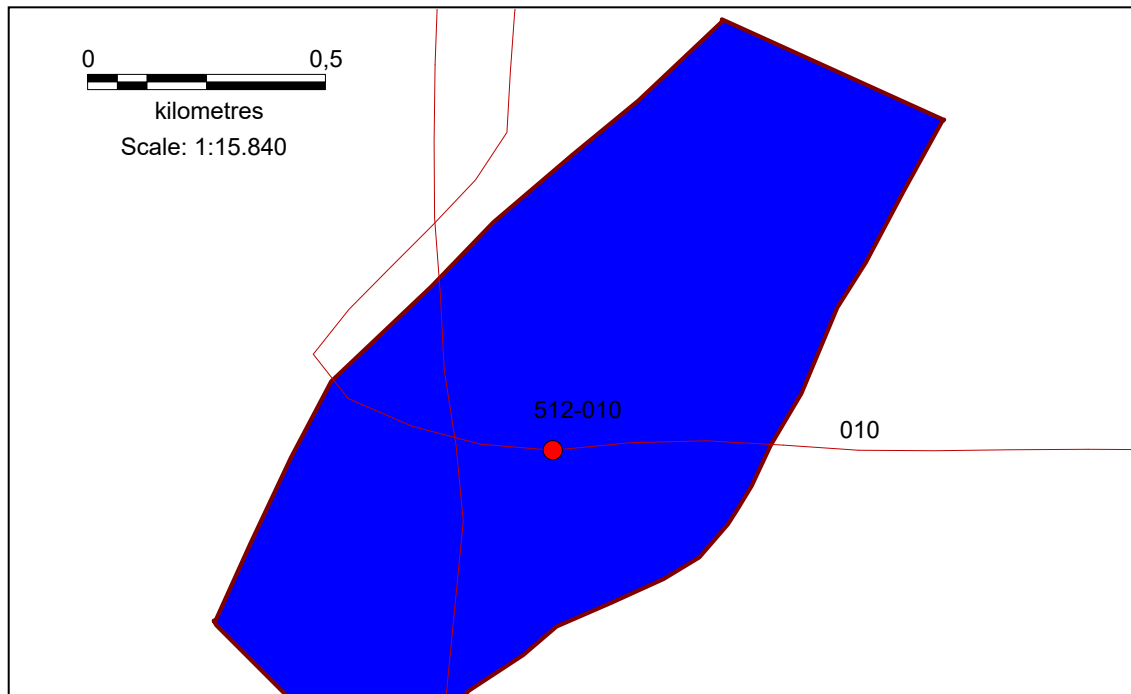
Seismiske linjer: 008, 012, 013, 019

Eksisterende boringer:

512-009-012



512-010



Generel information:
Ingen information

Resource Type: Sand

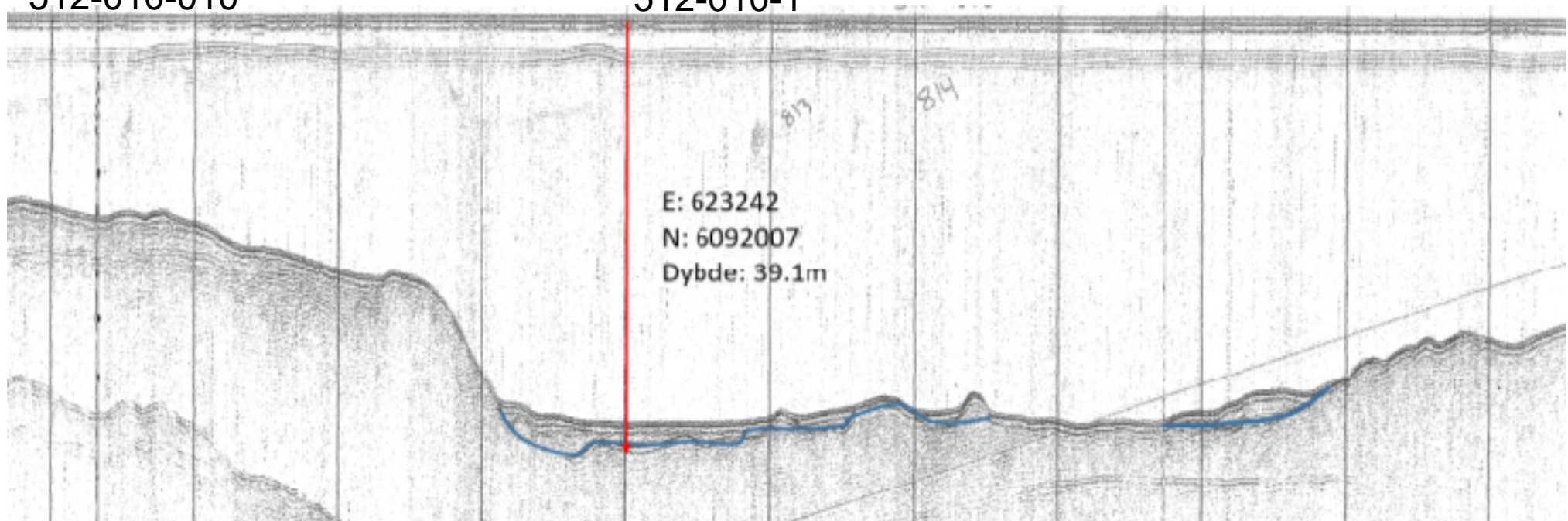
Borring position: (WGS84)
512-010-1) 623158,22 , 6091802,03
Estimeret vanddybde: 40 m

Seismiske linjer: 010, 009

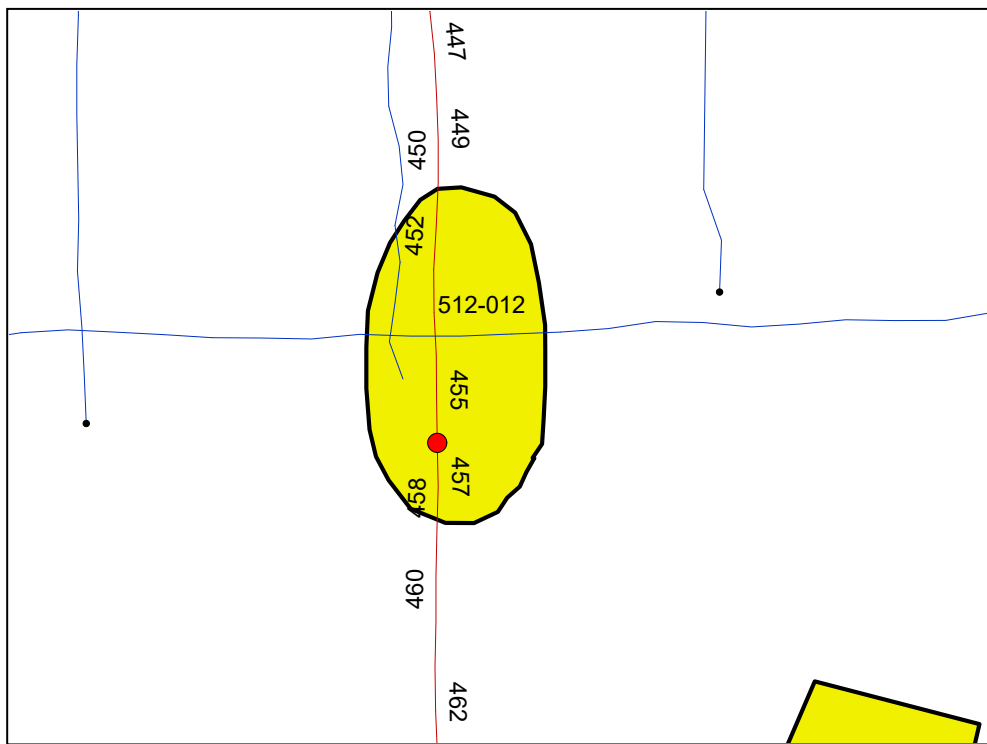
Eksisterende boringer:
Ingen

512-010-010

512-010-1



512-012



Generel information:
Ingen information

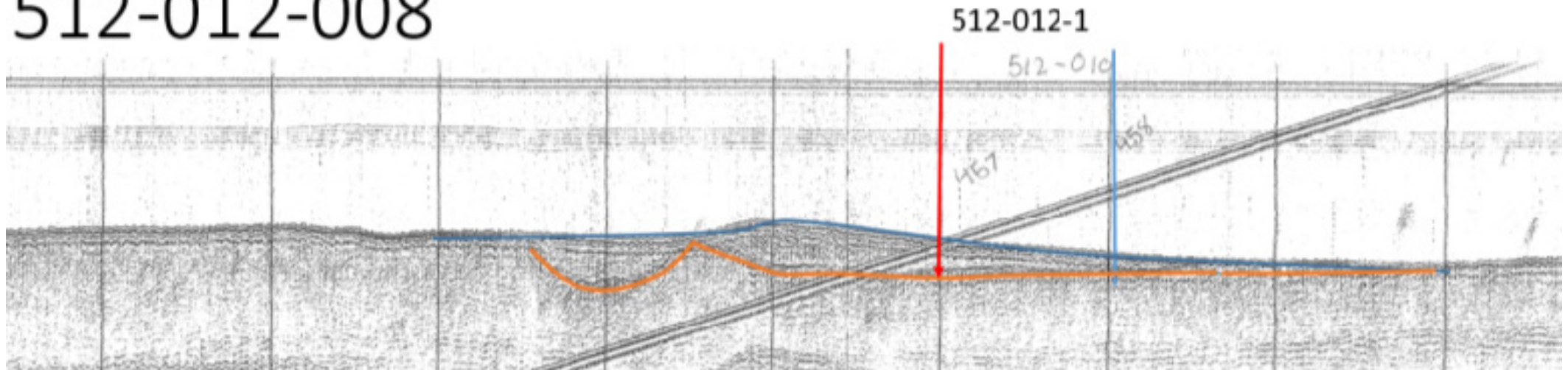
Resource Type: Sand
Seismiske linjer: 008

Borring position og dybde:(WGS84)
512-012-1) 629918,19 , 6092905,02

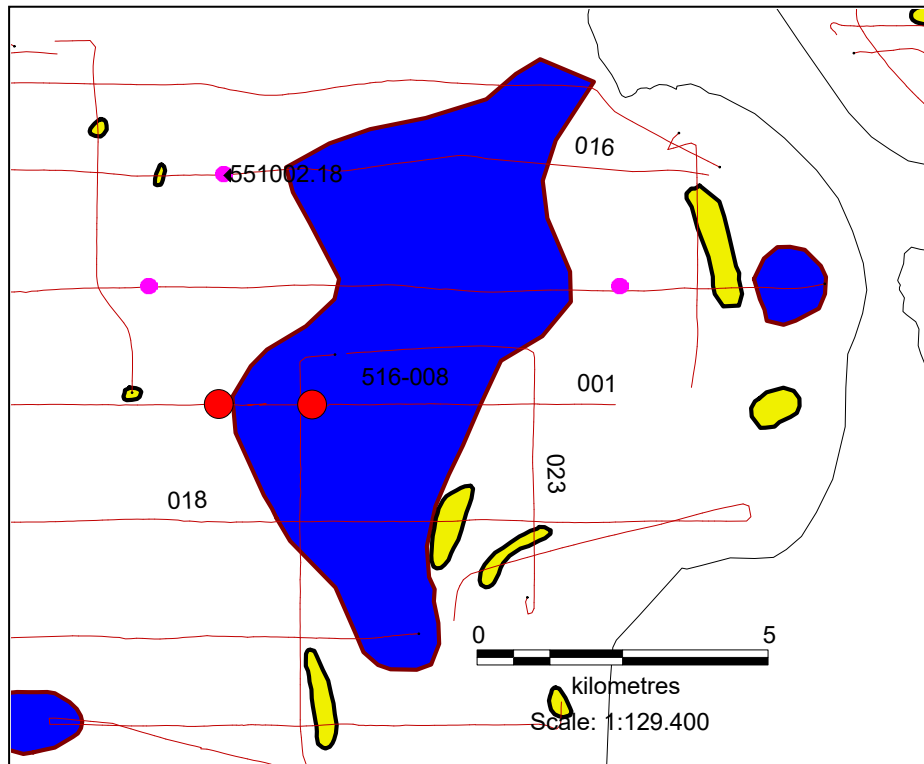
Dybde 13m

Eksisterende boringer:
Ingen

512-012-008



516-008



Generel information:

Glaciofluviale ferskvandssedimenter eventuelt med overlejrende postglaciale sedimenter

Resource Type: Fyldsand

Seismiske linjer: 001, 002, 016, 018, 023

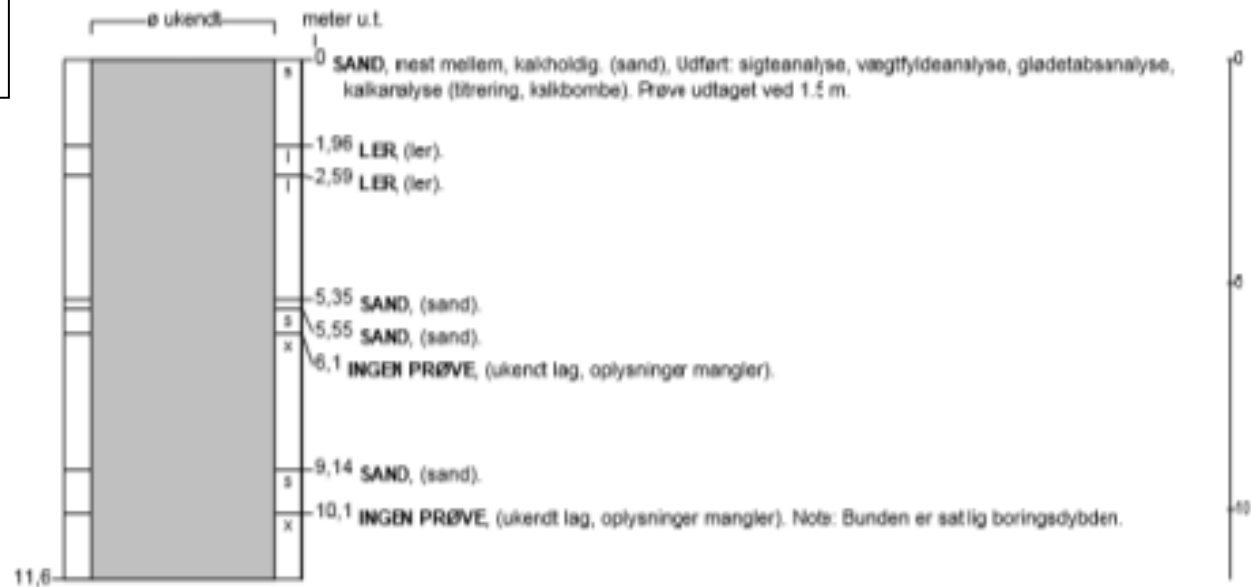
Pos. Borr: (WGS 84)

516-008-01) 589020,42 , 6194805,53

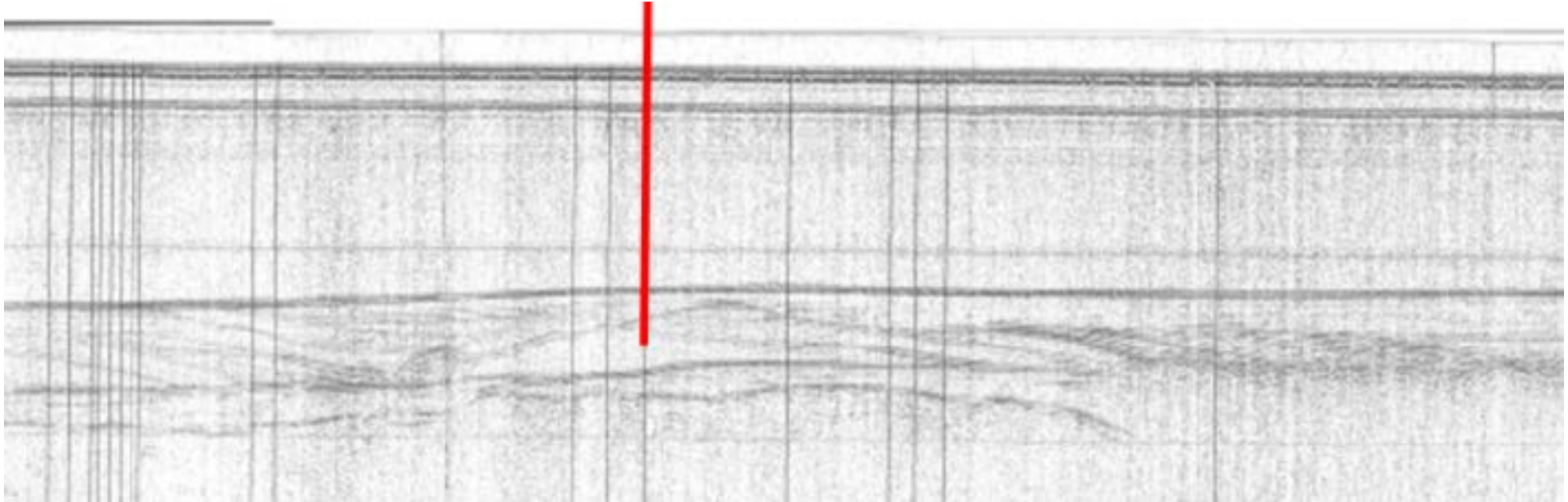
516-008-02) 590620,41 , 6194796,53

Eksisterende boringer:

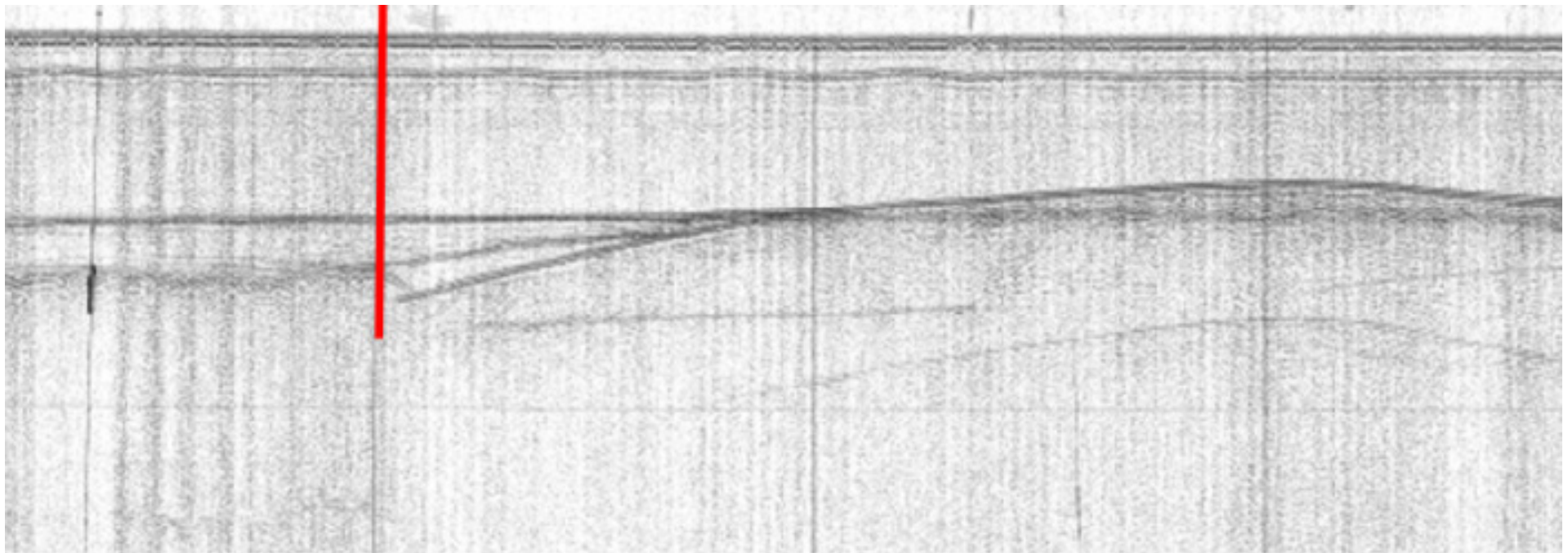
551002.18 (E 589109 N: 6198724)



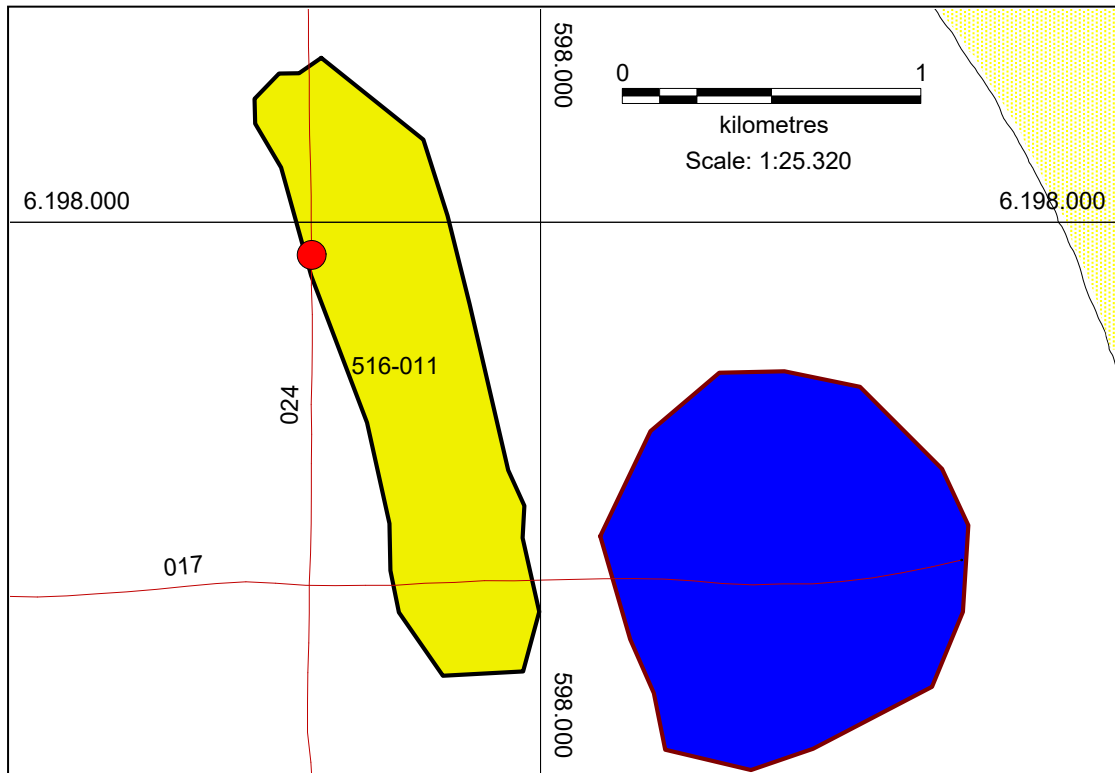
516-008-1



516-008-2



516-011



Generel information:
Abrationsflak, HS

Resource Type: Sand

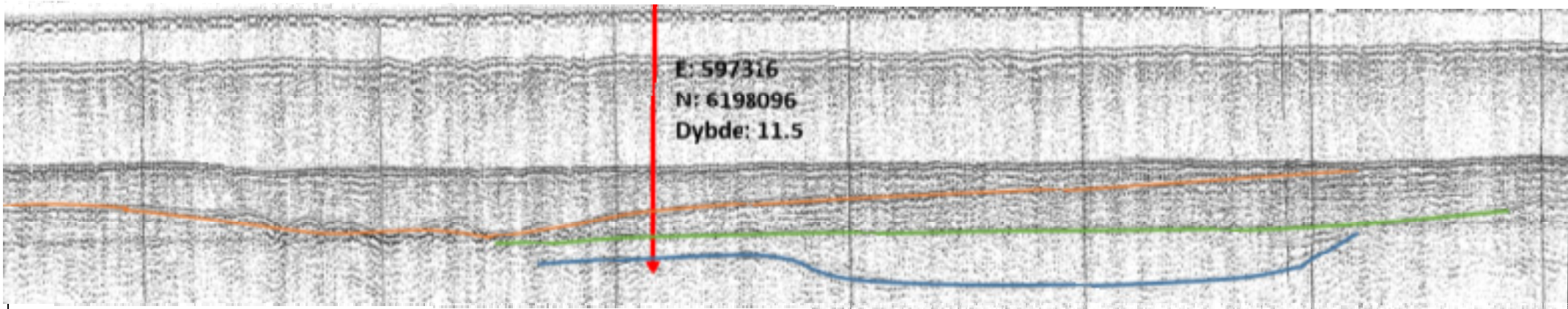
Seismiske linjer: 017, 024

Borring position (WGS 84)
516-011-01) 597232,37 6197890,51

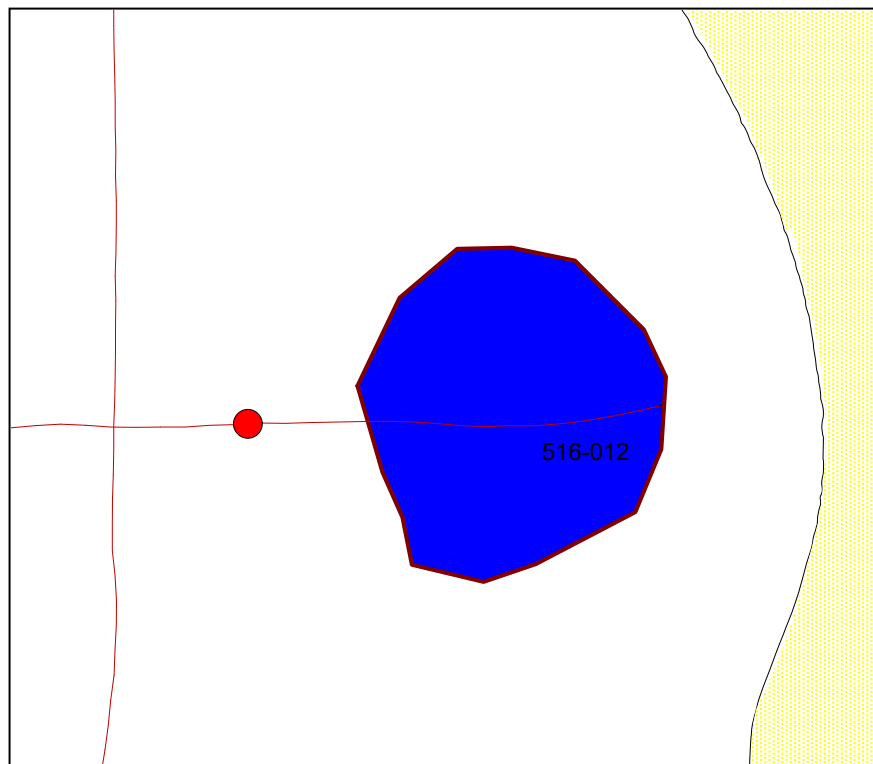
Vanddybe: 12 m

Eksisterende borringer:

Sejllinje: 024



516-012



Generel information:
abrationsflak, HS

Resource Type: Sand

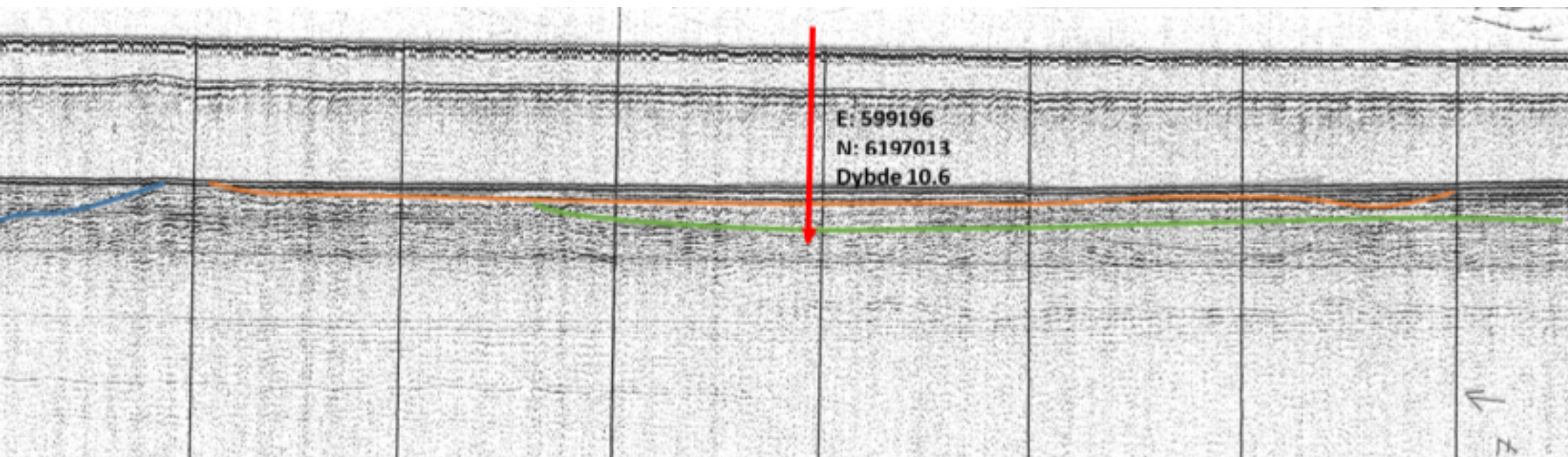
Seismiske linjer: 017

Borring position : (WGS 84)
516-012-01) 597761,36 , 6196795,51

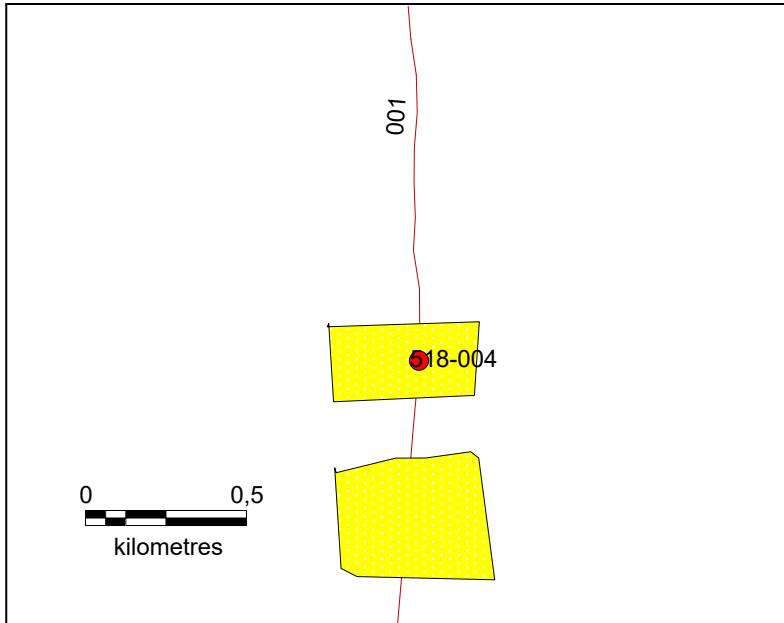
Vanddybde:

Eksisterende borringer:
Ingen

Sejllinje: 017



518-004



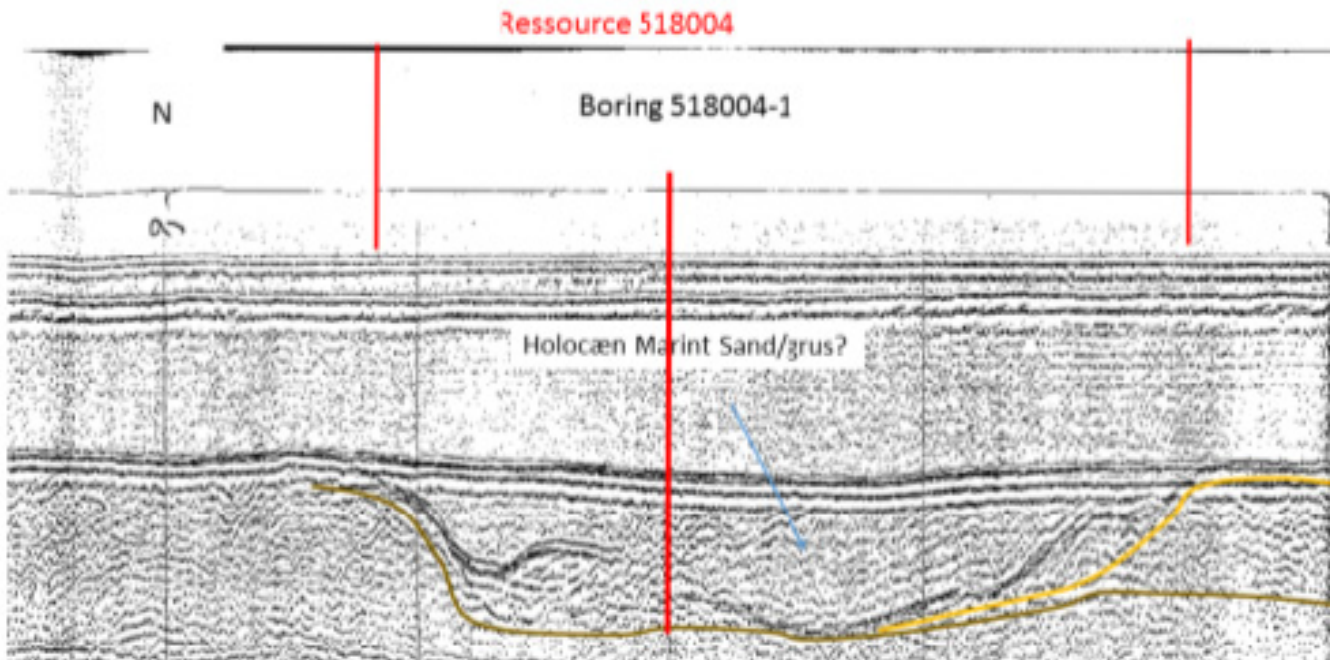
Generel info:
Senglacialt

Pos. Boring (WGS84):
518-004-1) 619923,74 , 6243607,84

approx vanddybde : 14 m

Seismiske linjer: 001

Eksisterende boring:



518-005

Generel info:
Senglacialt

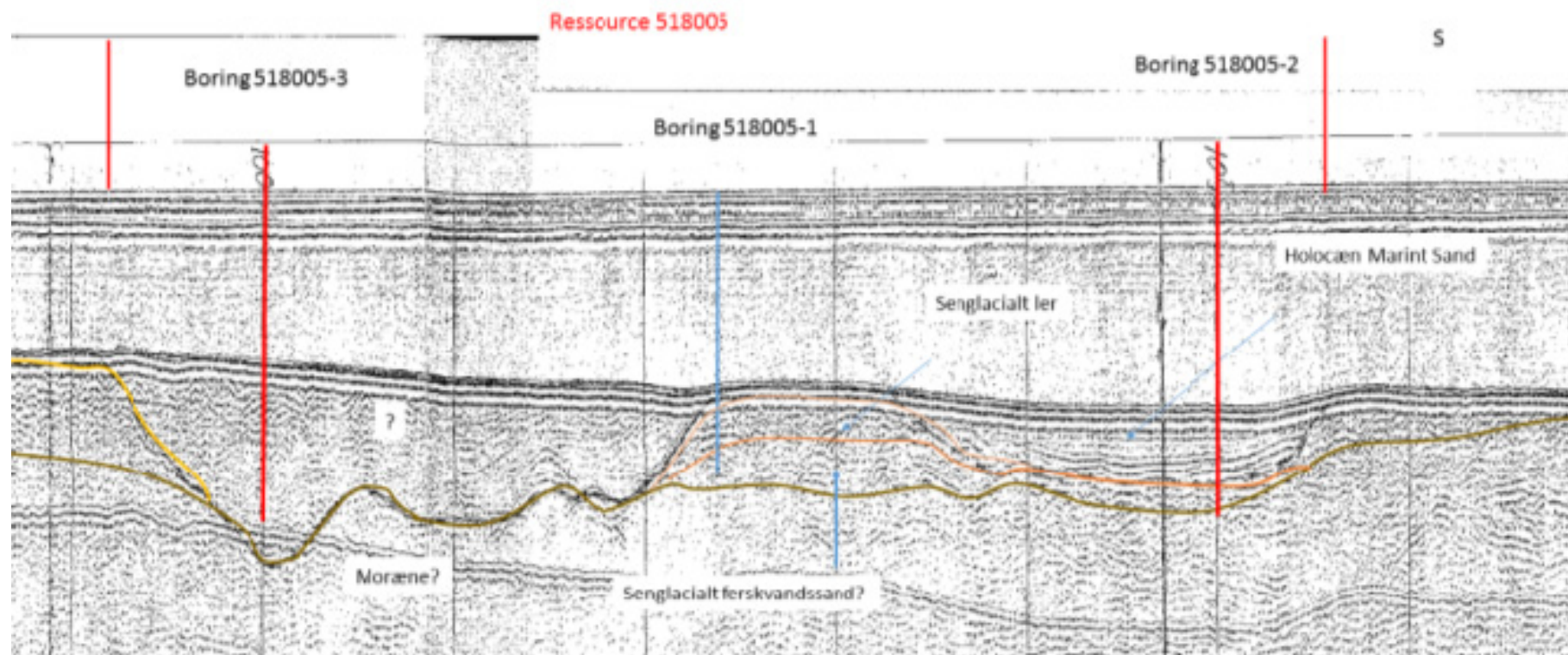
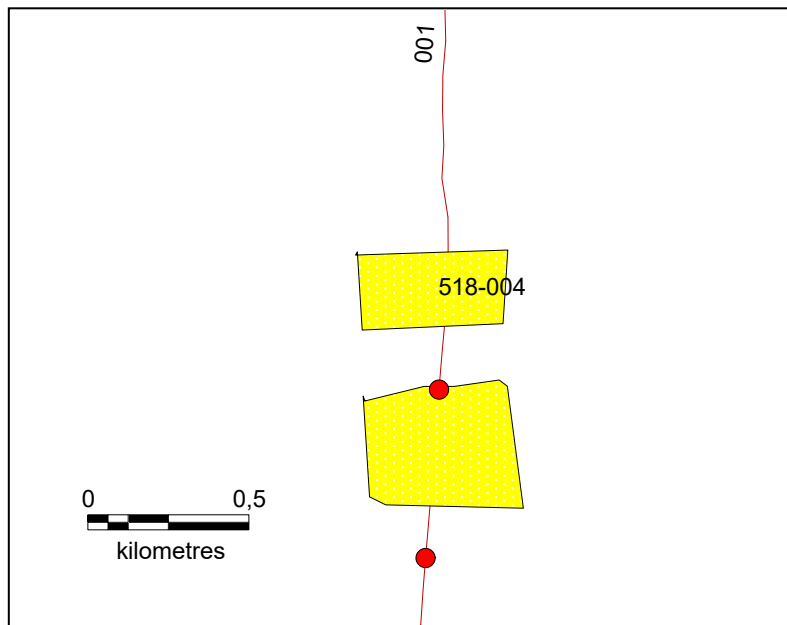
Pos. Boring (WGS84):
518-005-2) 619897,27 , 6243293,28

518-005-3) 619855,28 , 6242767,27

approx vanddybde : 12 m

Seismiske linjer: 001

Eksisterende boring:



518-025

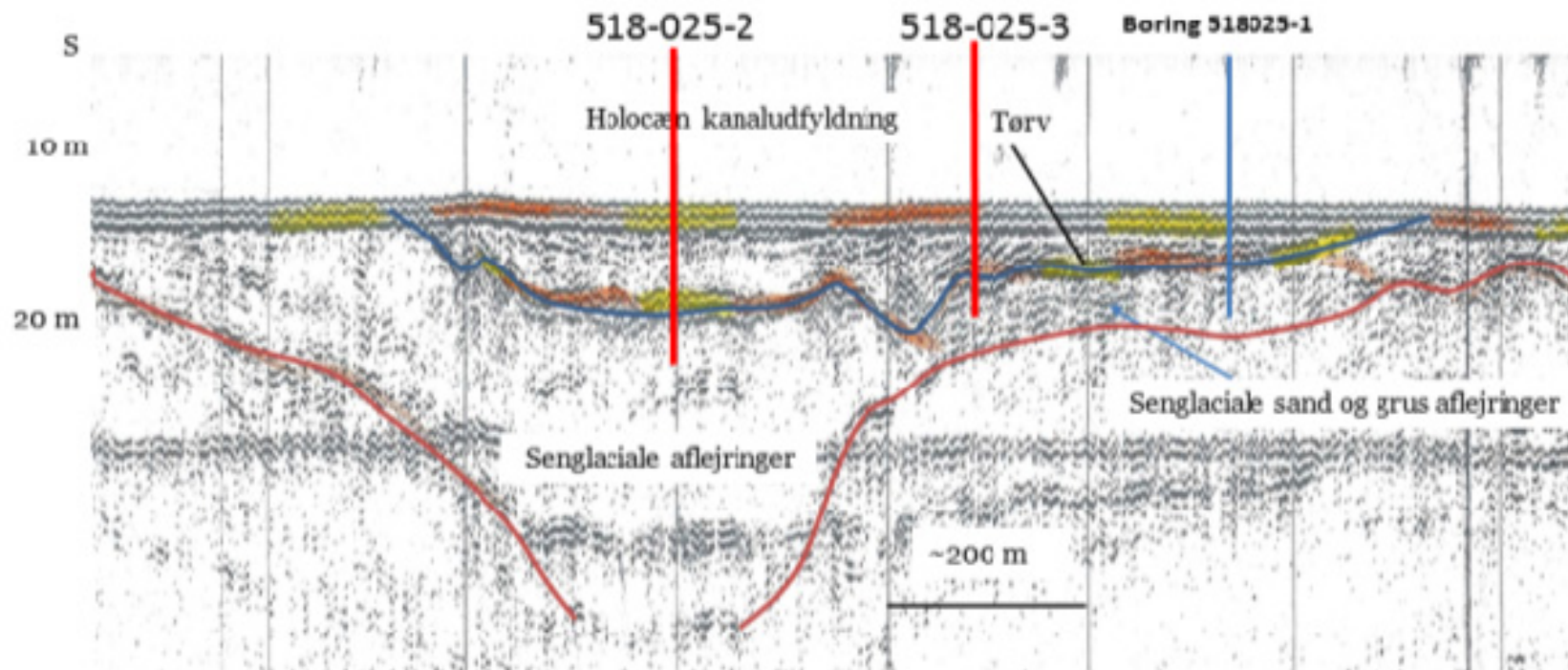
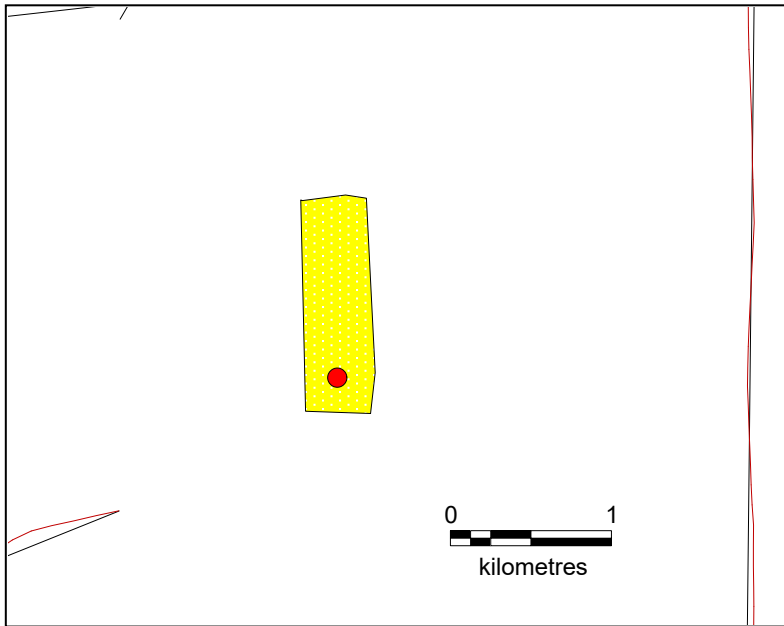
Generel info:

Pos. Boring (WGS84):
518-025-2) 622322,83 , 6252992,24

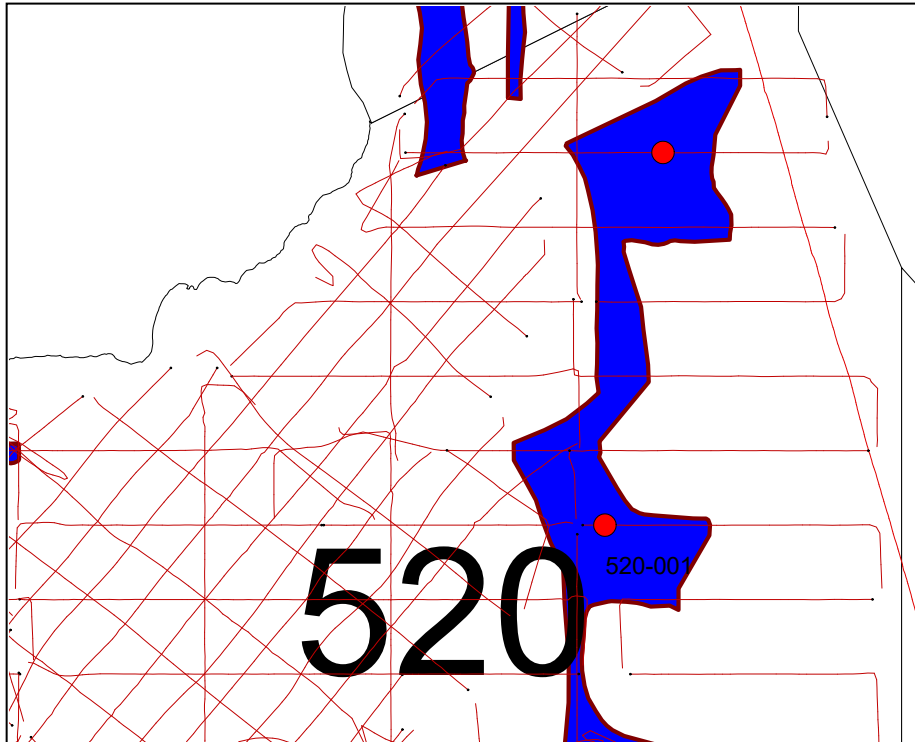
approx vanddybde :

Seismiske linjer: ?

Eksisterende boring:



520-001



Generel information:
postglacial saltvandssand

Resource Type: Sand

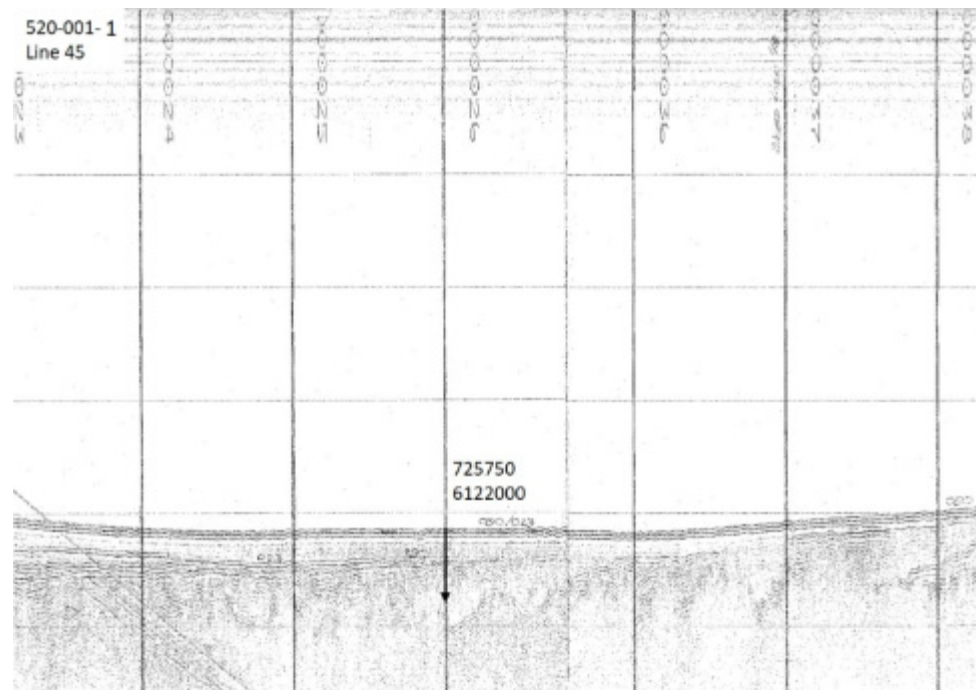
Borring position:
520-001-1) 727225.72 , 6131804.8

520-001-3) 725665.71 , 6121794.85

Estimeret vanddybde: 14 m

Seismiske linjer:

Eksisterende boringer:
ingen



520-001-3
Line 40

0044

0045

0046

0047

0048

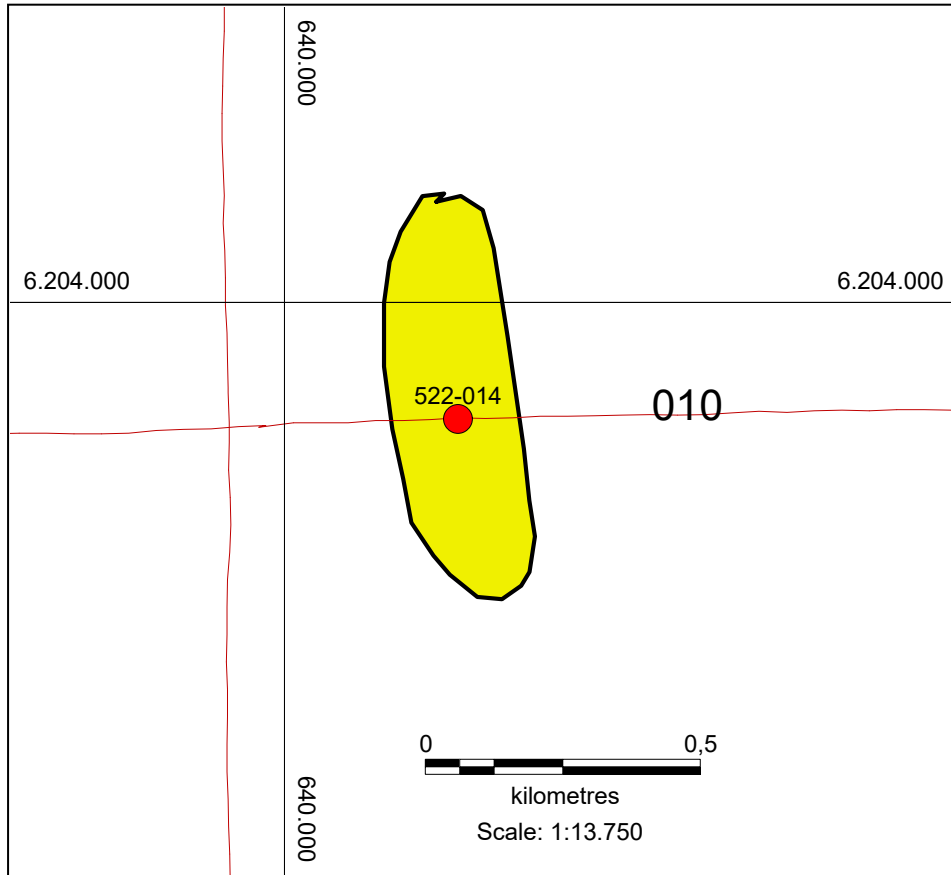
0049

520-001
Line 40
for 3c
Boeing

725750
6122000

340

522-014



Generel information:
Abrationsflak, HS

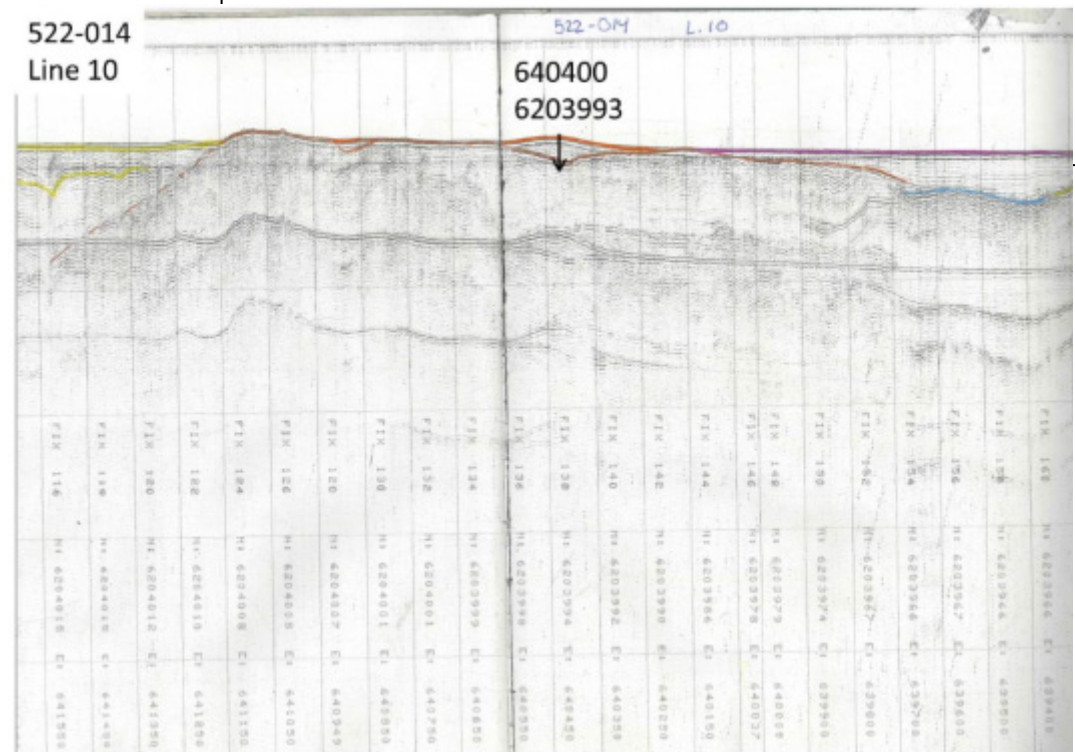
Resource Type: Sand

Borring position: (WGS 84)
522-014-01) 640316,17 , 6203787,47

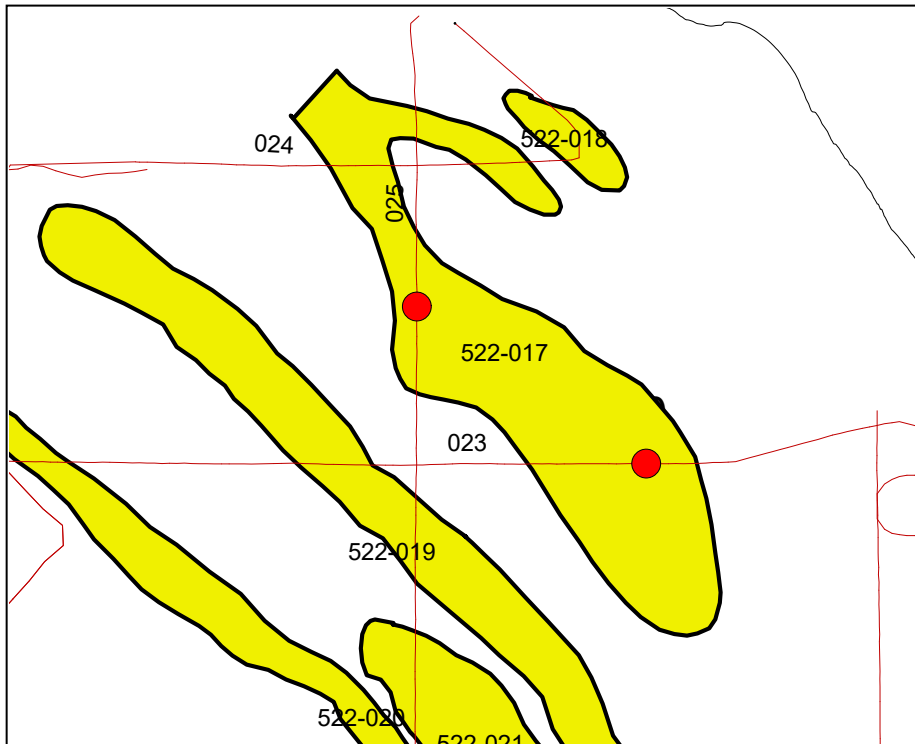
Estimeret vanddybde: 14 m

Seismiske linjer: 010

Eksisterende boringer:
ingen



522-017



Generel information:
ablationsflak, HS

Resource Type: Sand

Borring position:
522-017-01) 631466,2 , 6193790,52
522-017-02) 629926,21 , 6194844,52

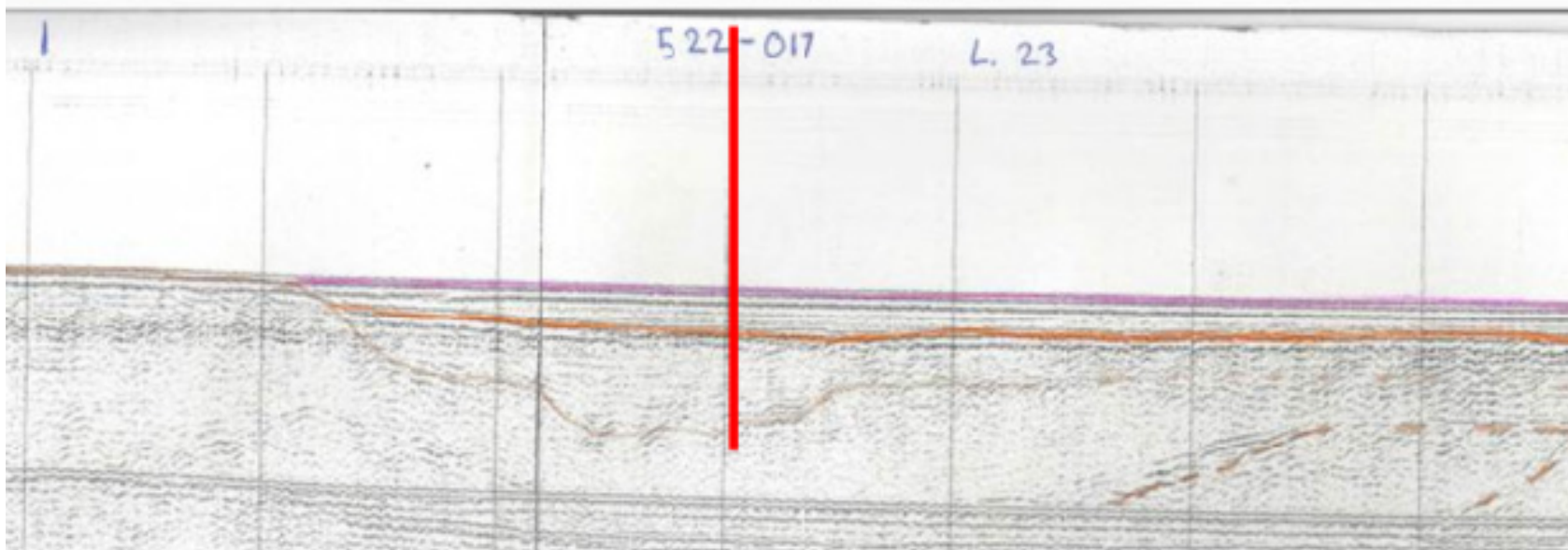
Estimeret vanddybde: 14 m

Seismiske linjer: 023, 024, 025

Eksisterende boringer:
ingen

522-017-023

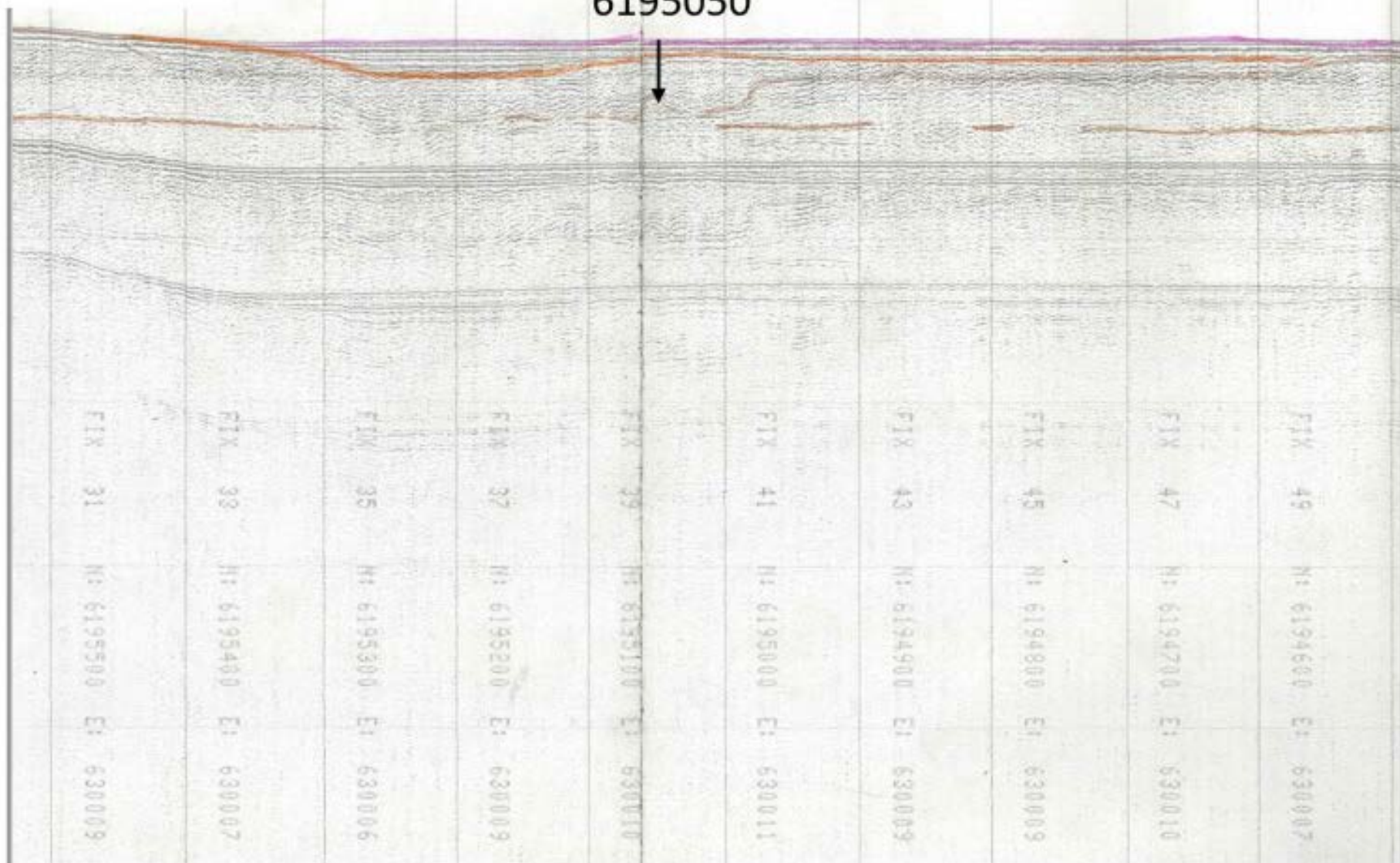
522-017-1



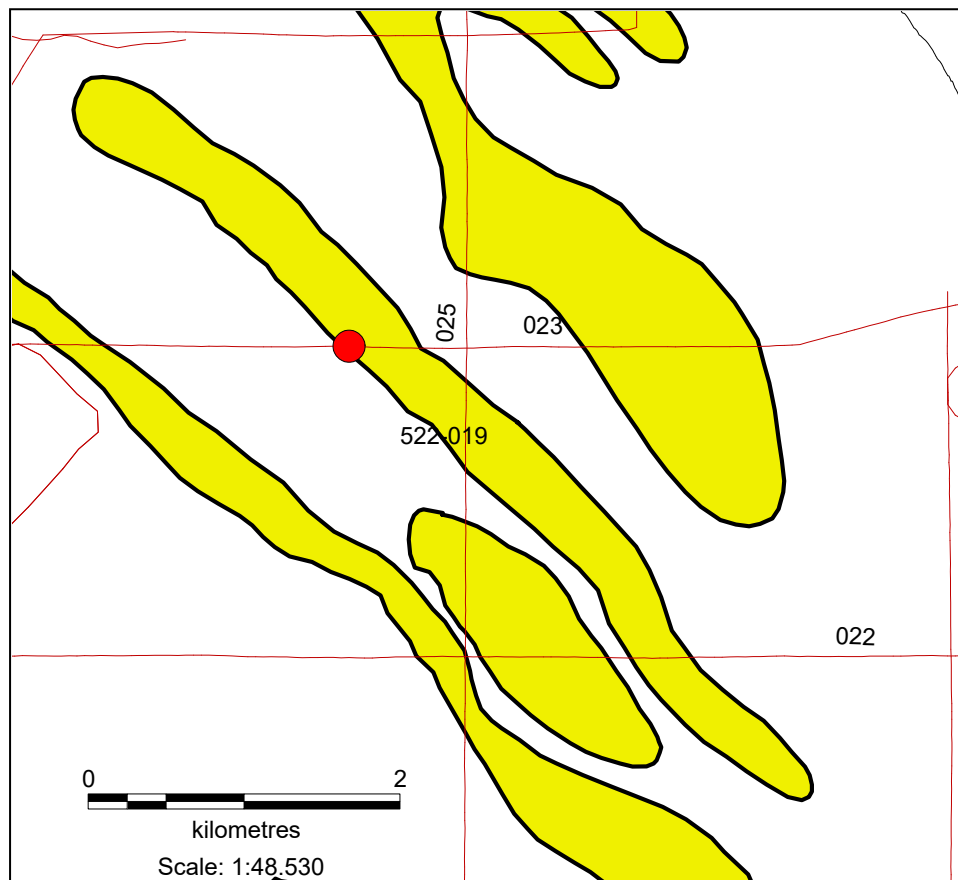
522-017-2
Line 25

(522-017)

630010
6195050



522-019



Generel information:
ablationsflak, HS

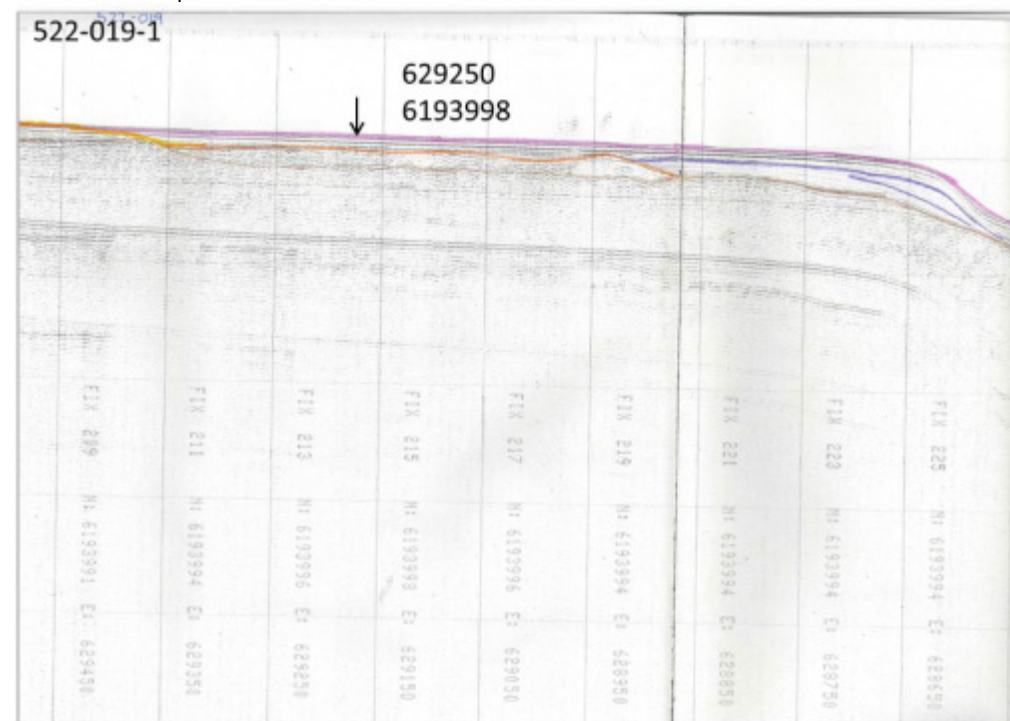
Resource Type: Sand

Borring position: (WGS 84)
522-019-01) 629166 6193792

Estimeret vanddybde: 15 m

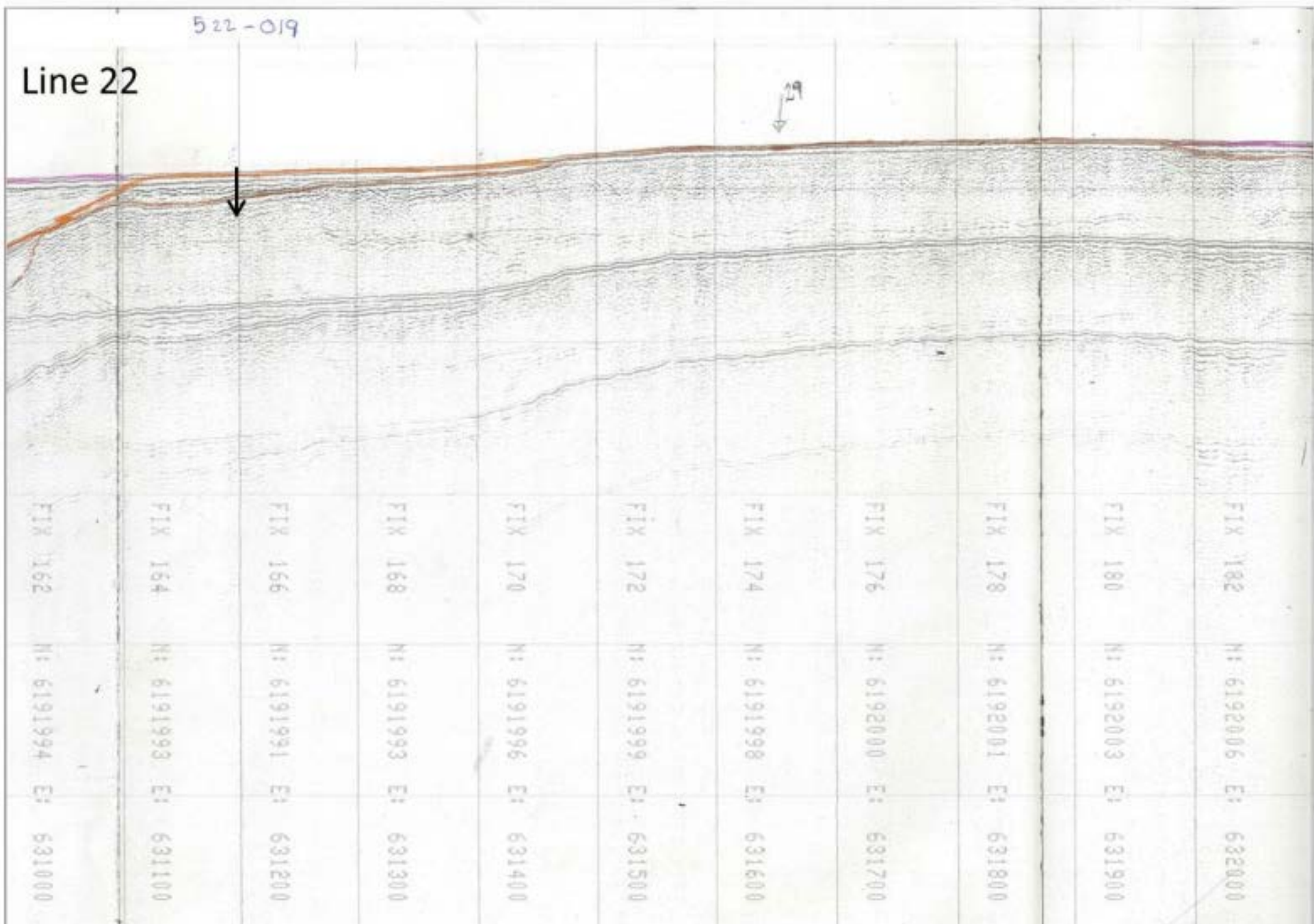
Seismiske linjer: 023, 025

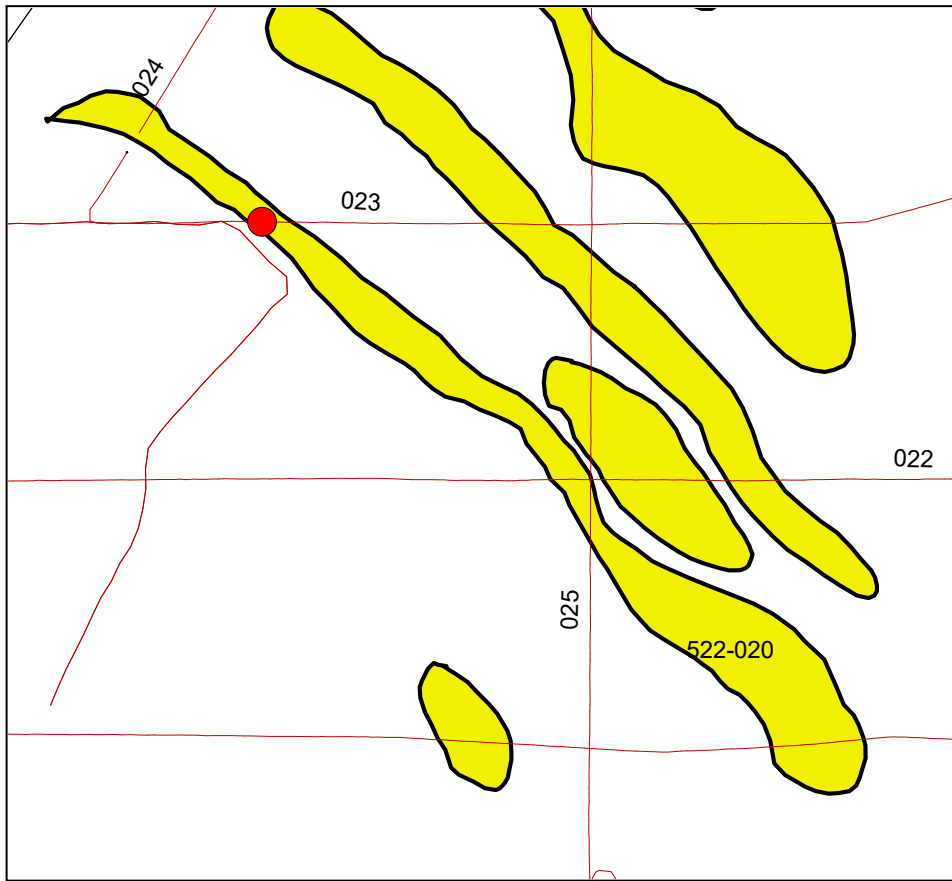
Eksisterende boringer:
ingen



522-019

Line 22





522-020

Generel information:
Abrationsflak, HS

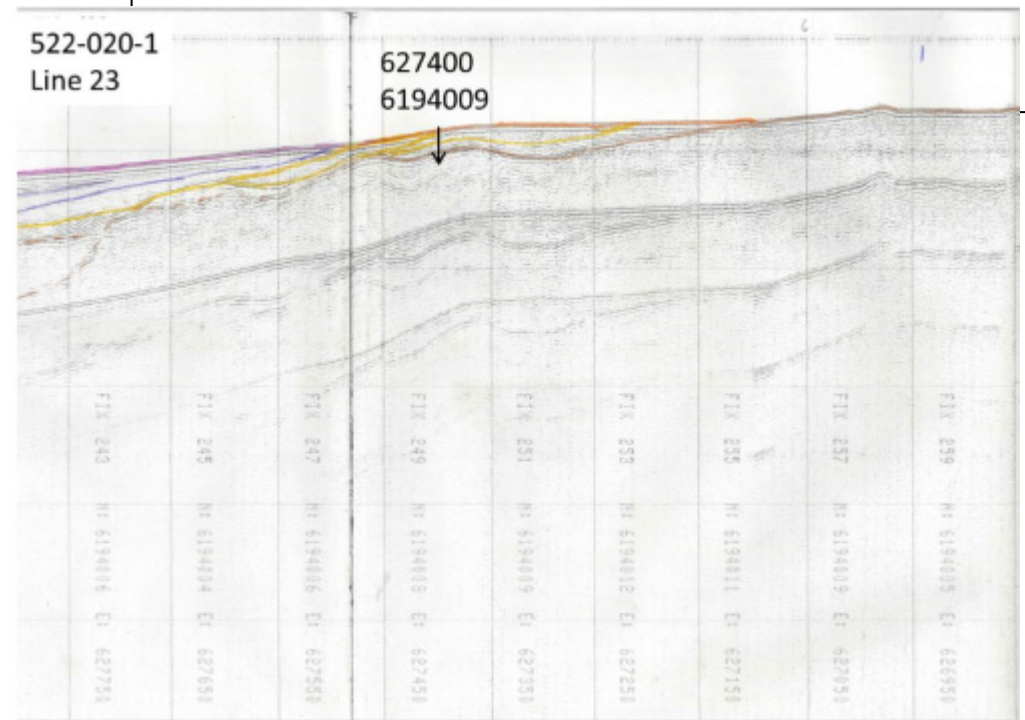
Resource Type: Sand

Borring position:(WGS 84)
522-020-01) 627356,22 , 6193803,52

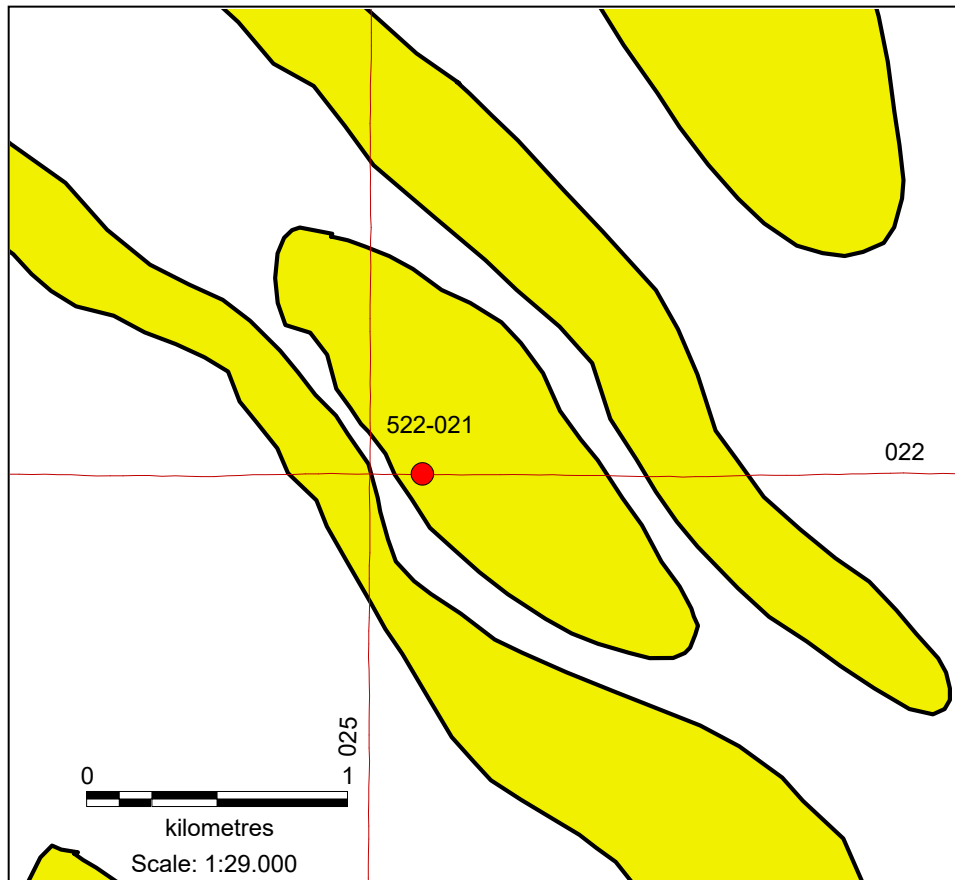
Estimeret vanddybde: 16 m

Seismiske linjer: 023, 024, 025

Eksisterende boringer:
ingen



522-021



Generel information:
akkumulationsflak

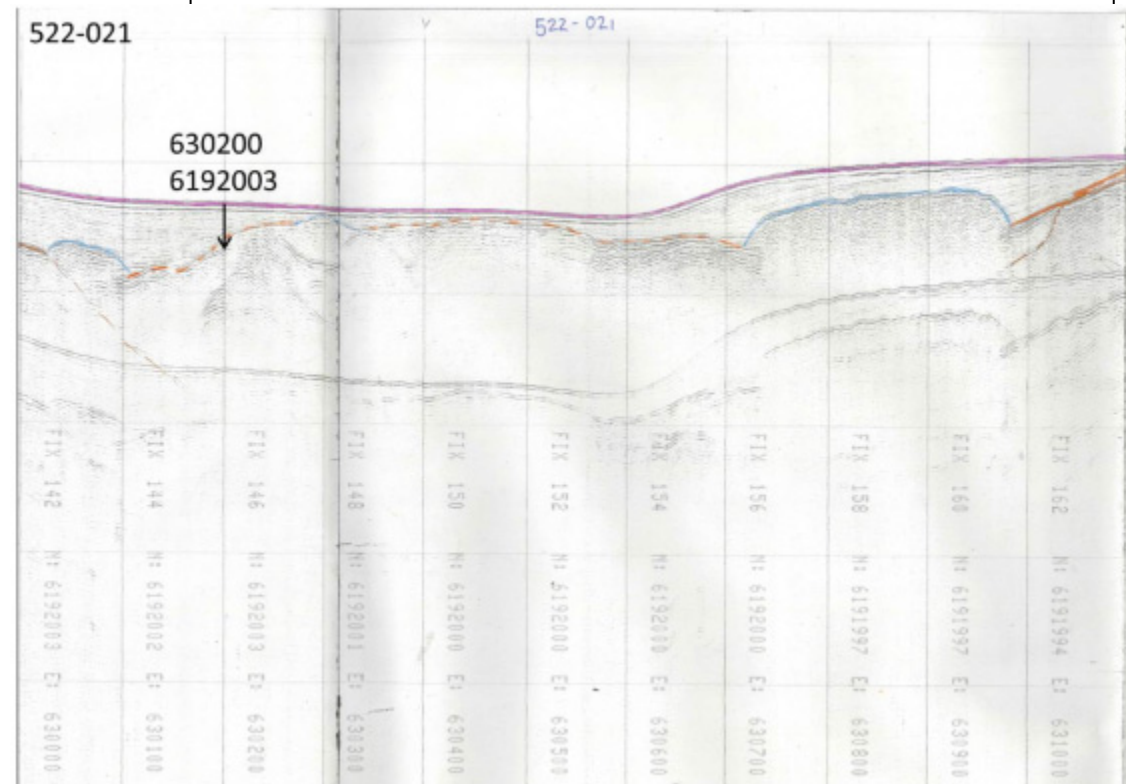
Resource Type: Sand

Borring position: (WGS 84)
522-021-01) 630116,21 , 6191797,53

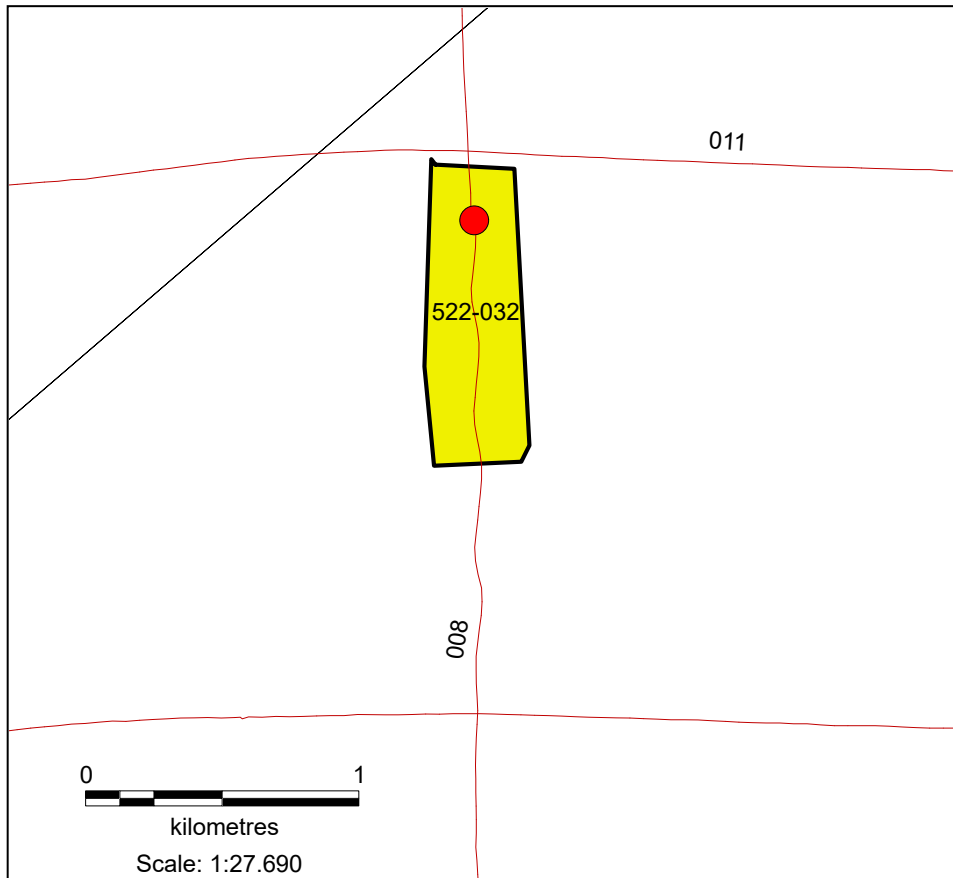
Estimeret vanddybde: 23 m

Seismiske linjer: 022, 025

Eksisterende boringer:
ingen



522-032



Generel information:

Består af postglaciale primært finkornede sedimenter af varierende tykkelse indeholdende gytje. På flankerne er det muligvis mere groft materiale men gennemgående af dårligere kvalitet.

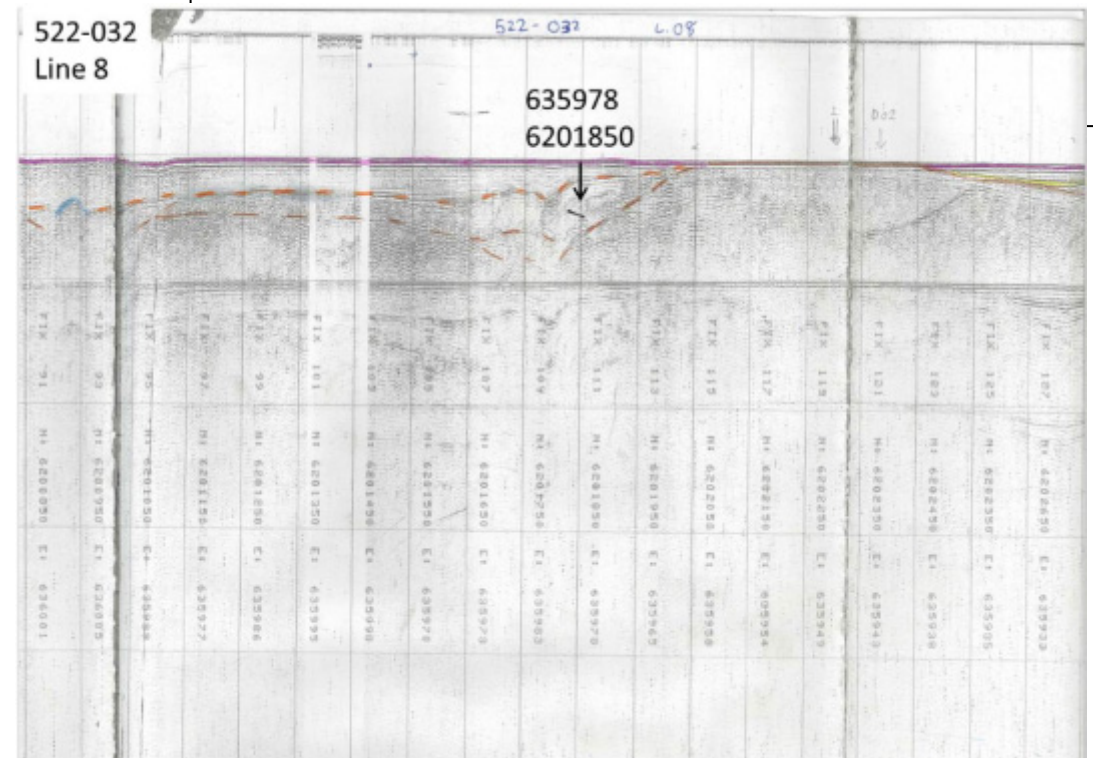
Resource Type: Sand

Borring position: (WGS 84)
522-032-01) 635894,19 , 6201644,47

Estimeret vanddybde:

Seismiske linjer: 008, 011

Eksisterende boringer:



526-004

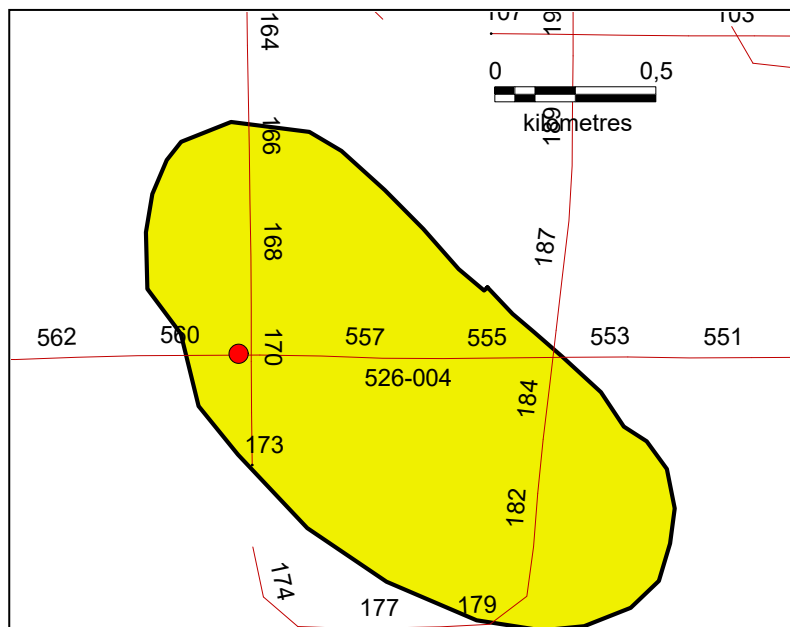
Generel info:
postglacial saltvandssand

Pos. Boring : (WGS84)
526-004-1) 486885,95 , 6095812,69

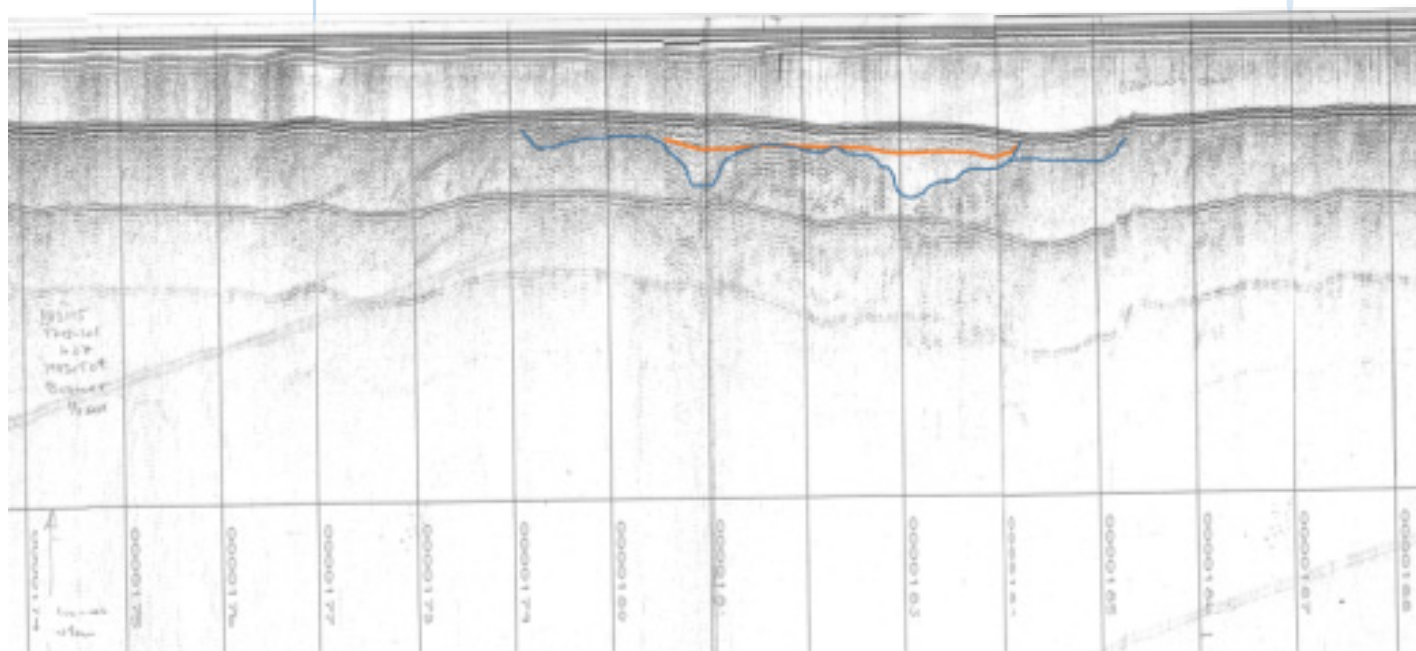
Approx vanddybde: 14,5 m

Seismiske linjer: 027, 038

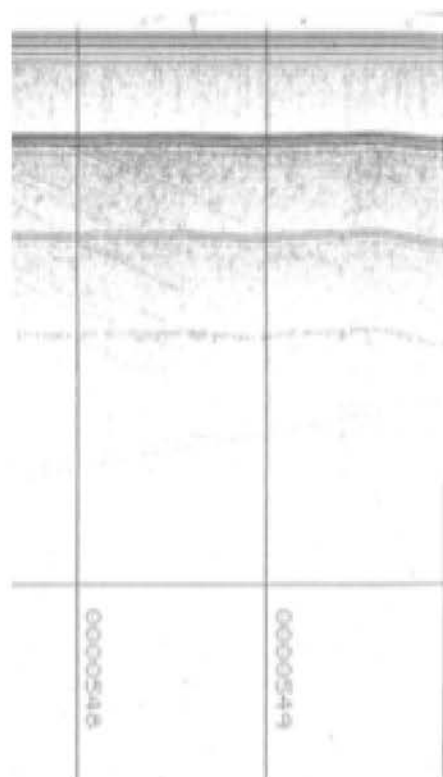
Eksisterende boring:



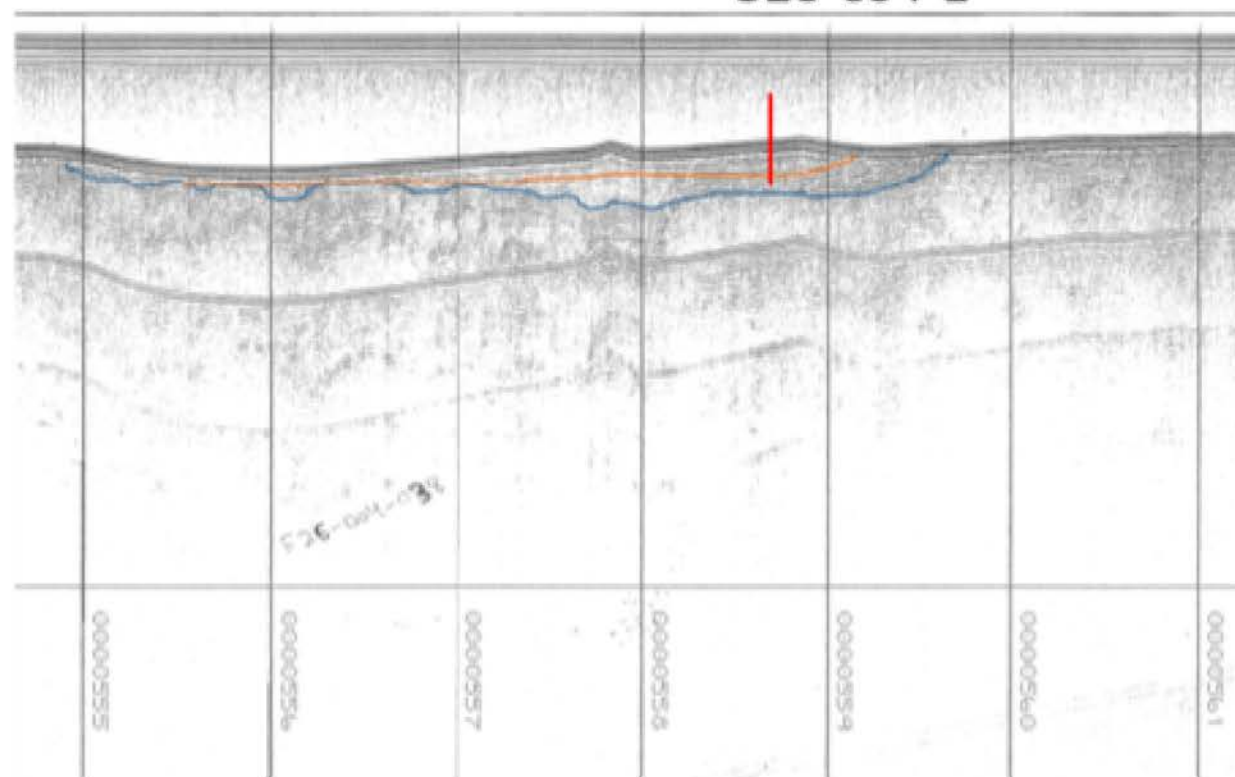
526-004-027



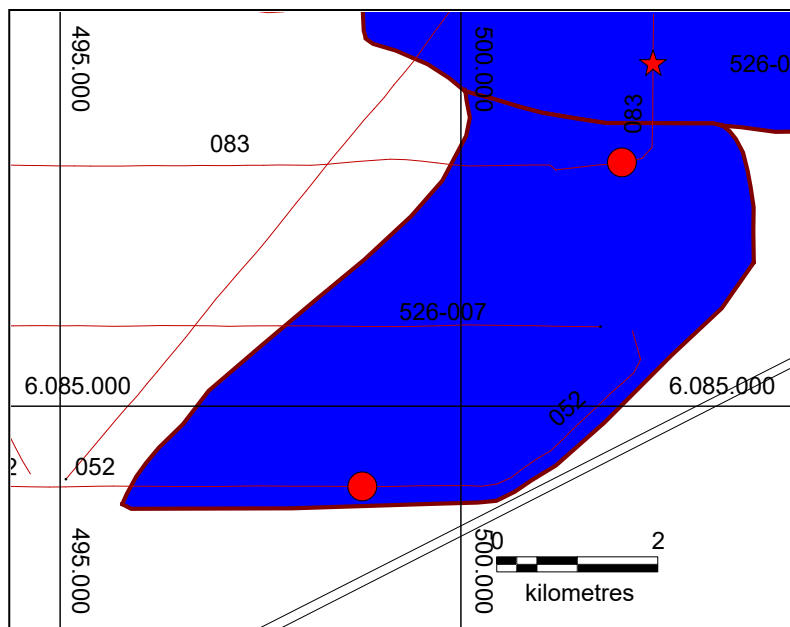
526-004-038
(mangler 5 fix-punkter)



526-004-1



526-007



Generel info:
postglacial saltvandssand

Pos. Boring : (WGS84)
526-007-1) 498696,89 , 6083802,74
526-007-2) 501936,87 , 6087842,73

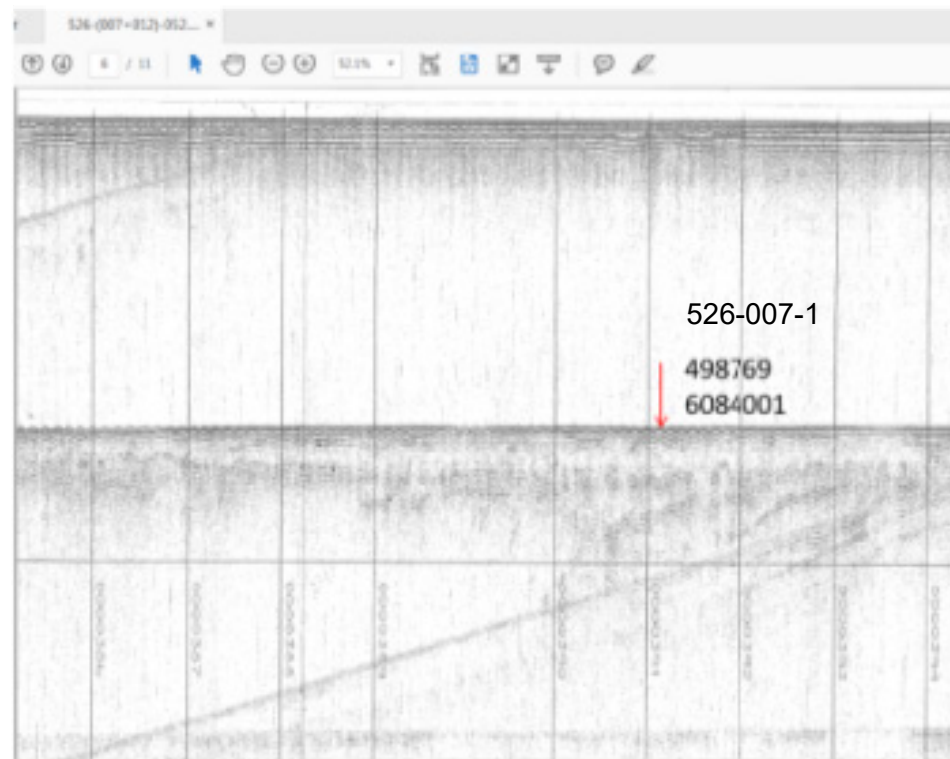
Approx vanddybde: 42 m

Seismiske linjer: 052, 083

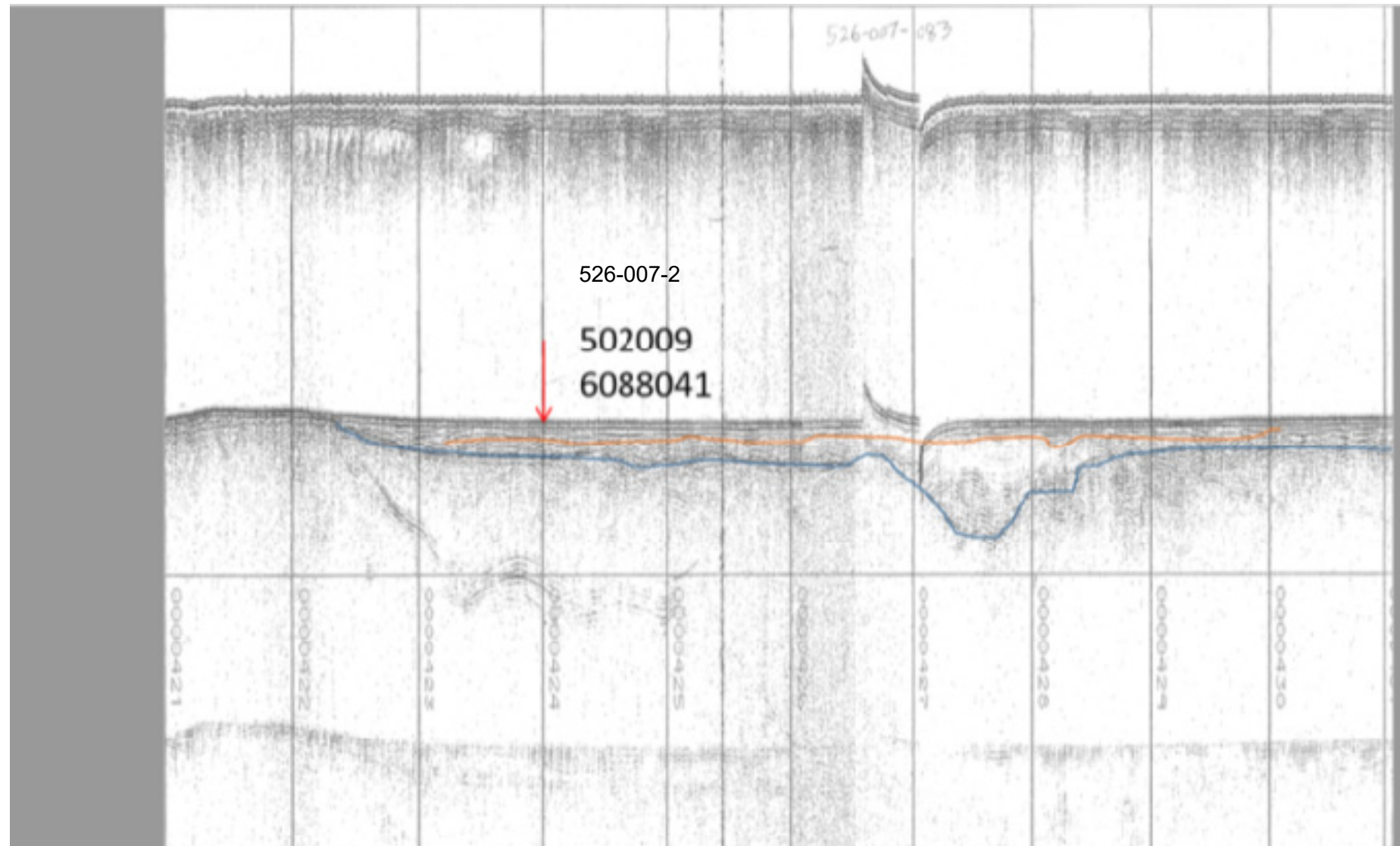
Eksisterende boring:

526-007-052

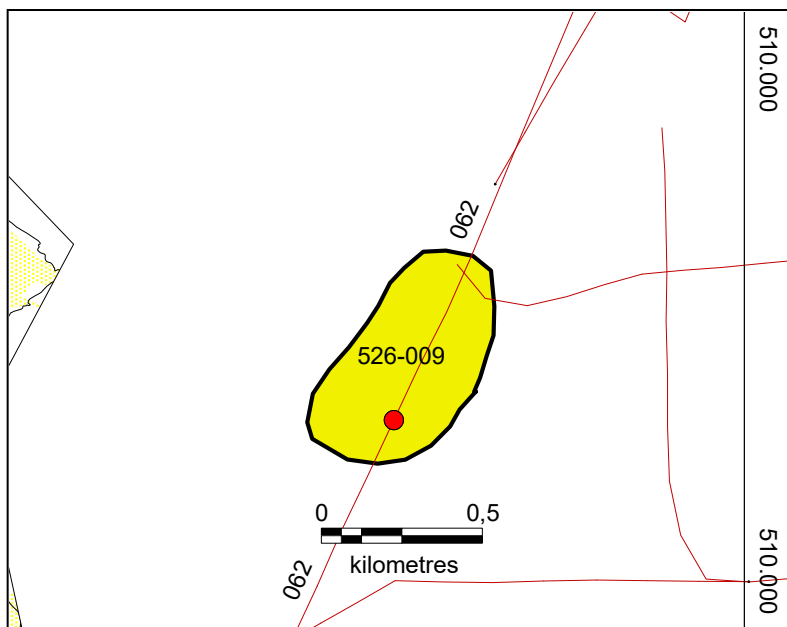
526-007



526-007-083



526-009



Generel info:
Postglacial saltvandssand

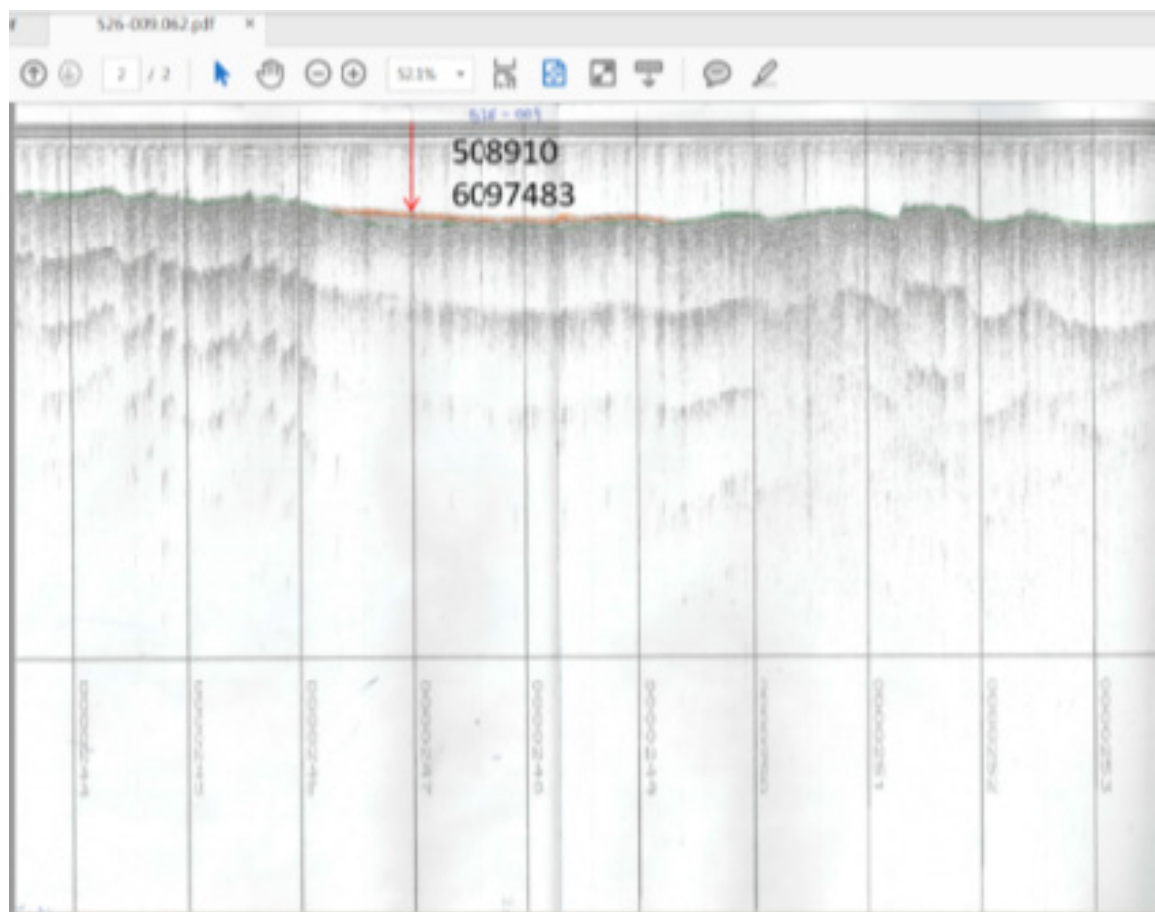
Pos. Boring : (WGS84)
526-009-1) 508837,85 , 6097284,68

Approx vanddybde: 12 m

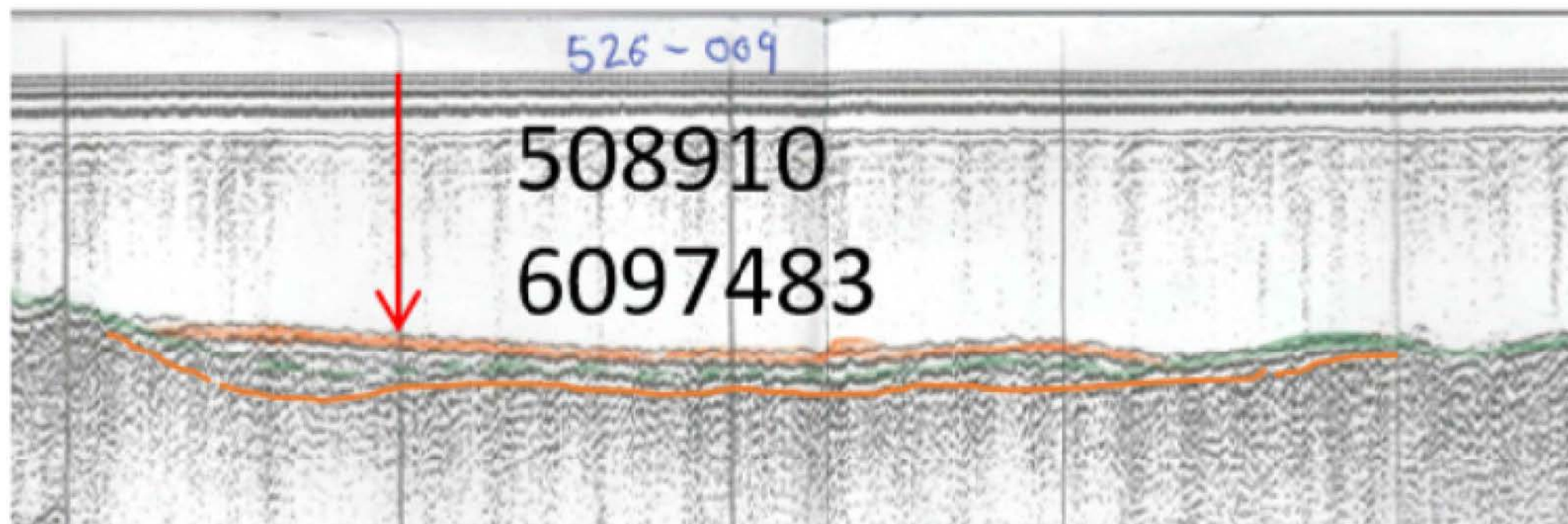
Seismiske linjer: 062

Eksisterende boring:

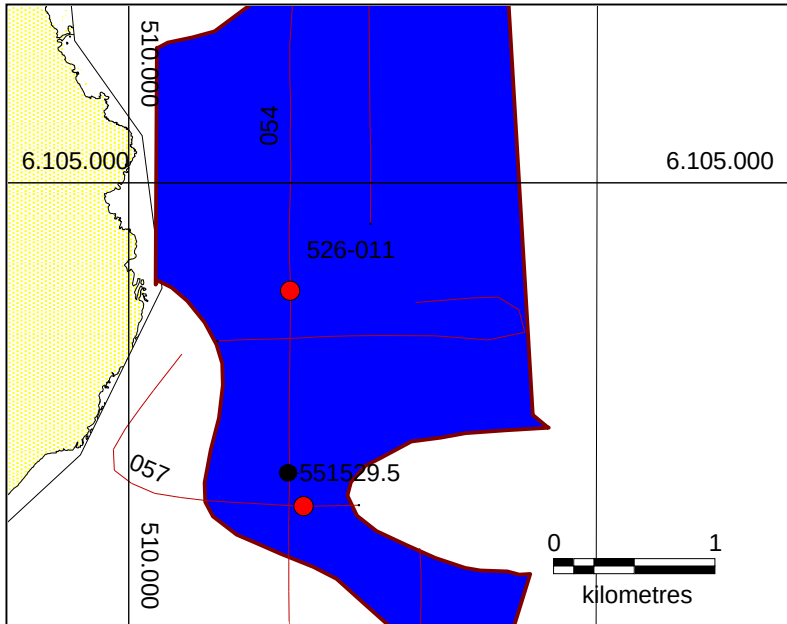
526-009



526-009-062



526-011



Generel info:
Postglacial saltvandssand

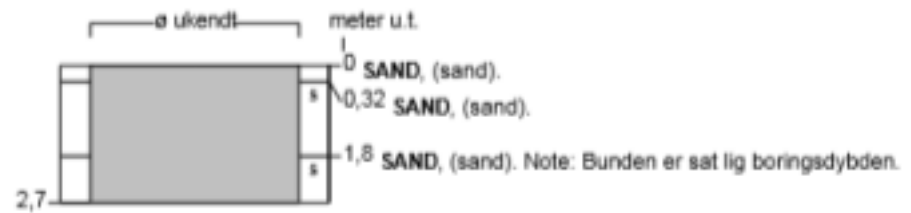
Pos. Boring : (WGS84)
526-011-1) 510930,84 , 6104130,66

526-011-2) 511014,84 , 6102791,66

Approx vanddybde: 40 m

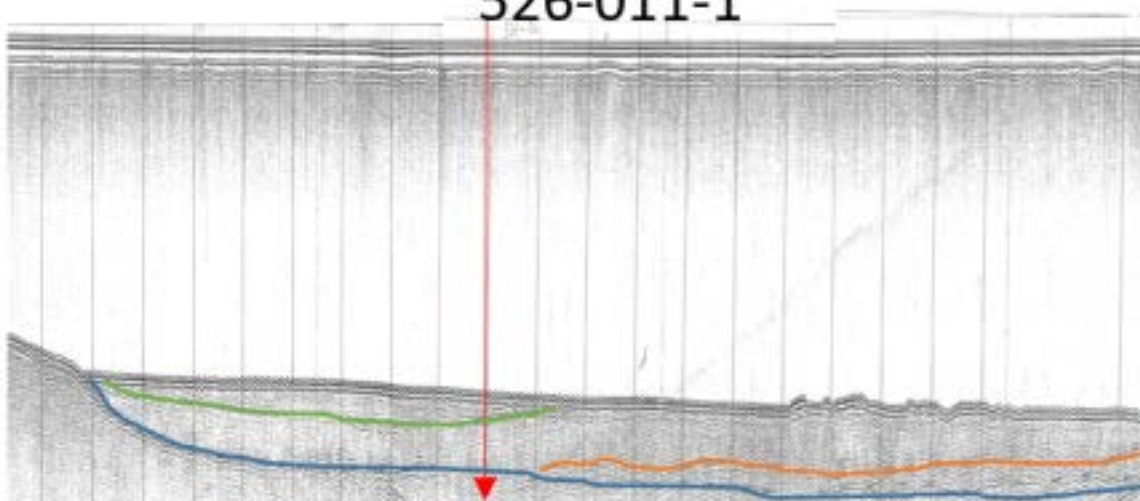
Seismiske linjer: 57, 54

Eksisterende boring: 551529.5



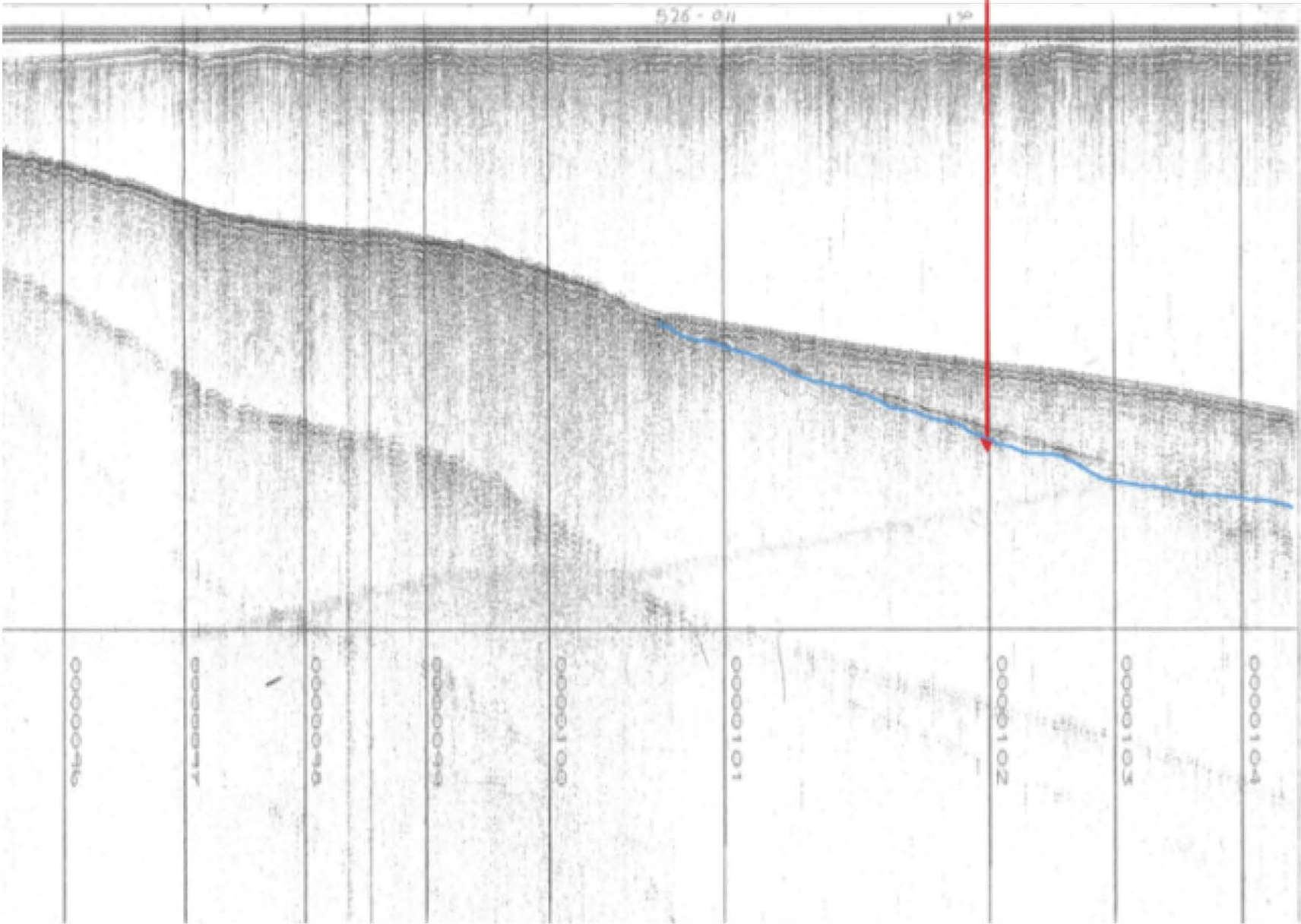
526-011-054

526-011-1

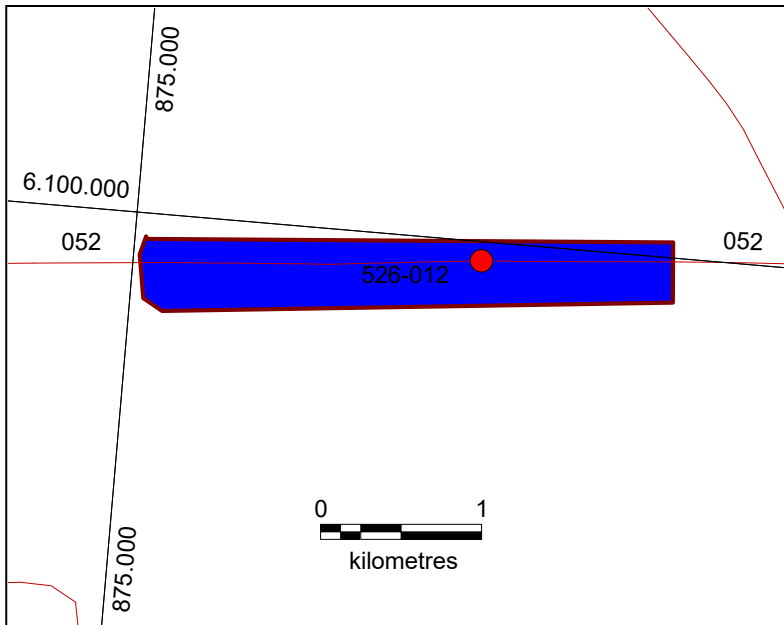


526-011-057

526-011-4



526-012



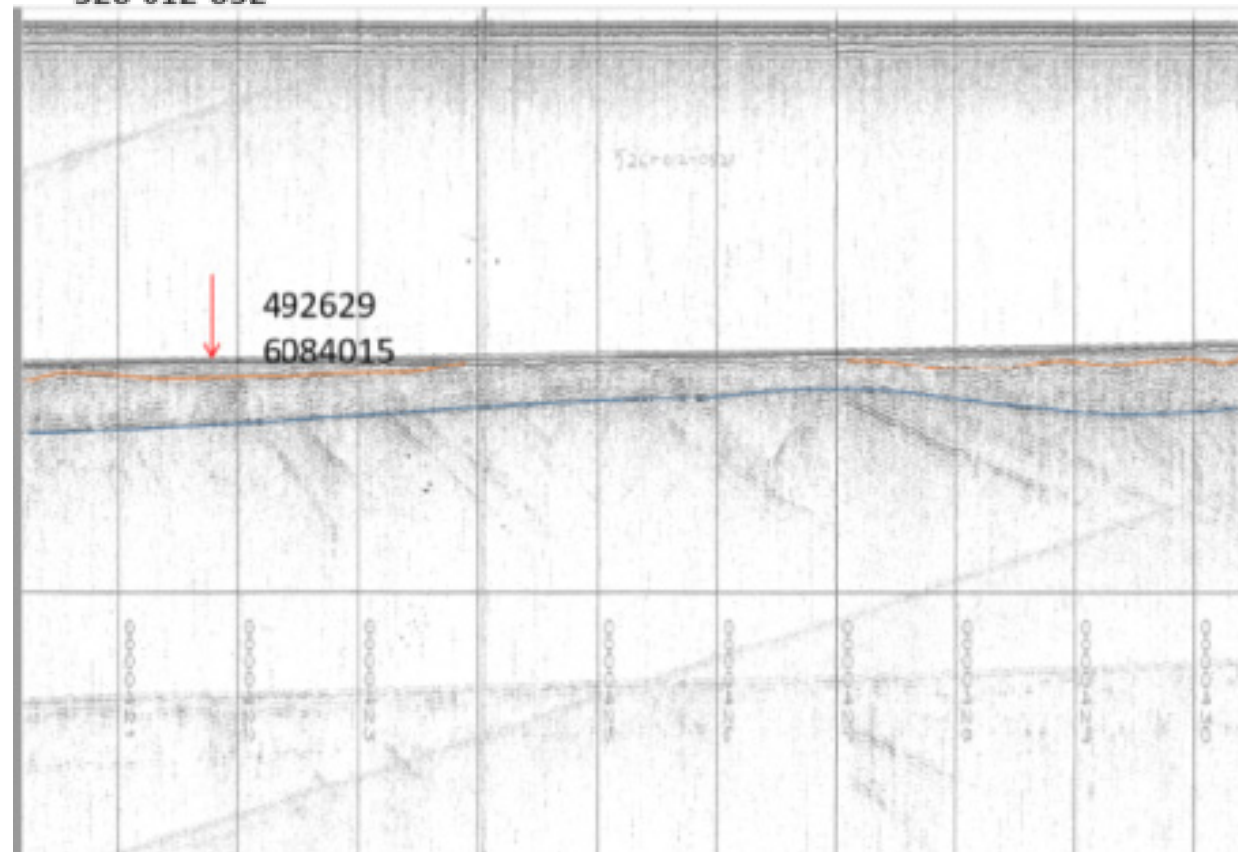
Generel info:
Postglacial saltvandssand

Pos. Boring : (WGS84)
526-012-1) 492556,92 , 6083816,75

approx vanddybde : 43,2 m

Seismiske linjer: 052

Eksisterende boring:
526-012-052



526-015

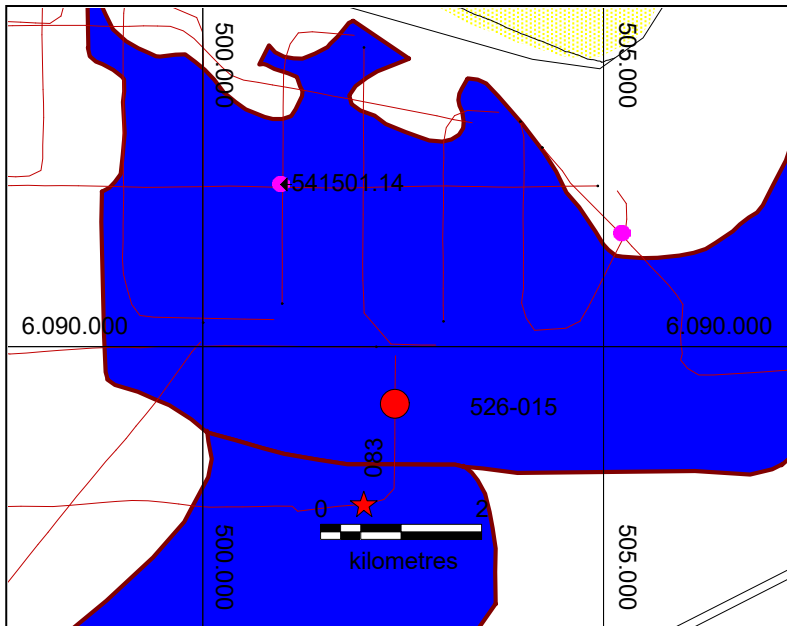
Generel info:
Postglacial saltvandssand

Pos. Boring : (WGS84)
526-015-1) 502323,88 , 6089089,72

approx vanddybde: 40 m

Seismiske linjer: 83

Eksisterende boring: 541501.14



526-015-083



526-018

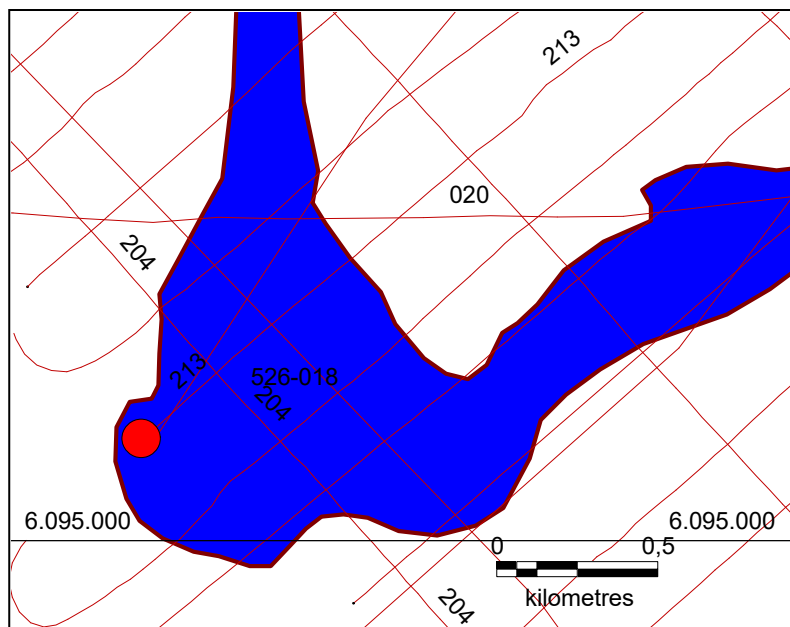
Generel info:
nedre kridt/øvre jura, sand

Pos. Boring : (WGS84)
526-018-1) 476321,99 , 6095120,69

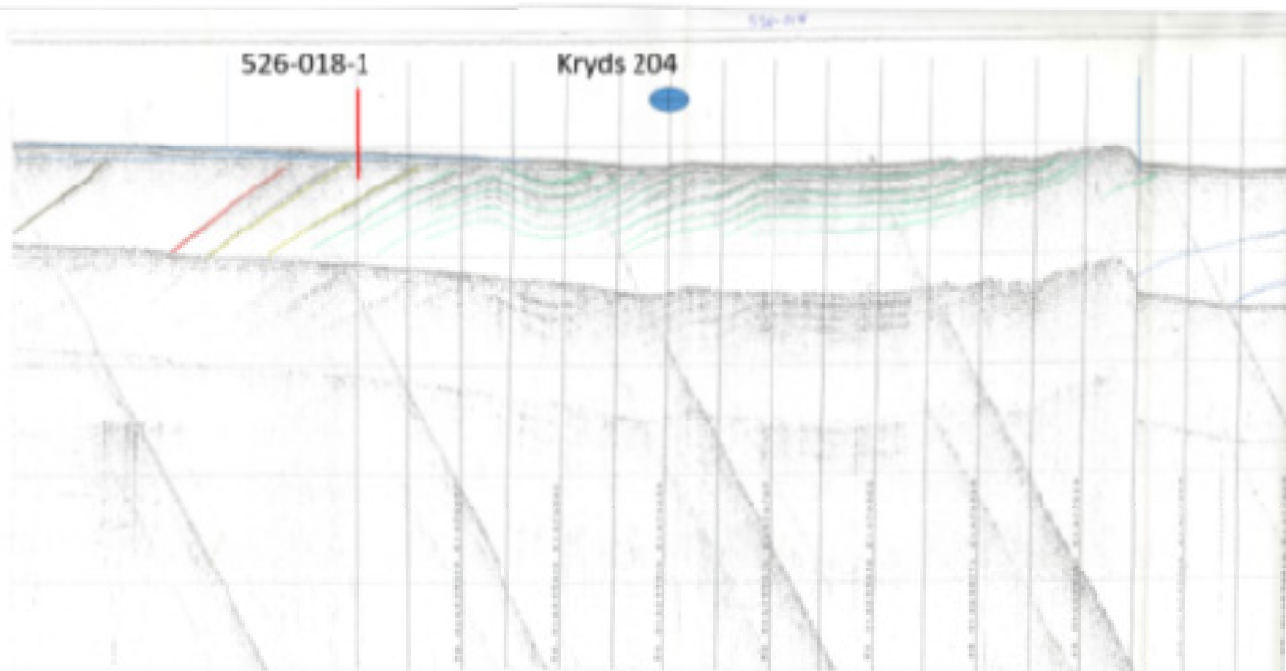
Approx vanddybde: 20 m

Seismiske linjer: 204, 213

Eksisterende boring:

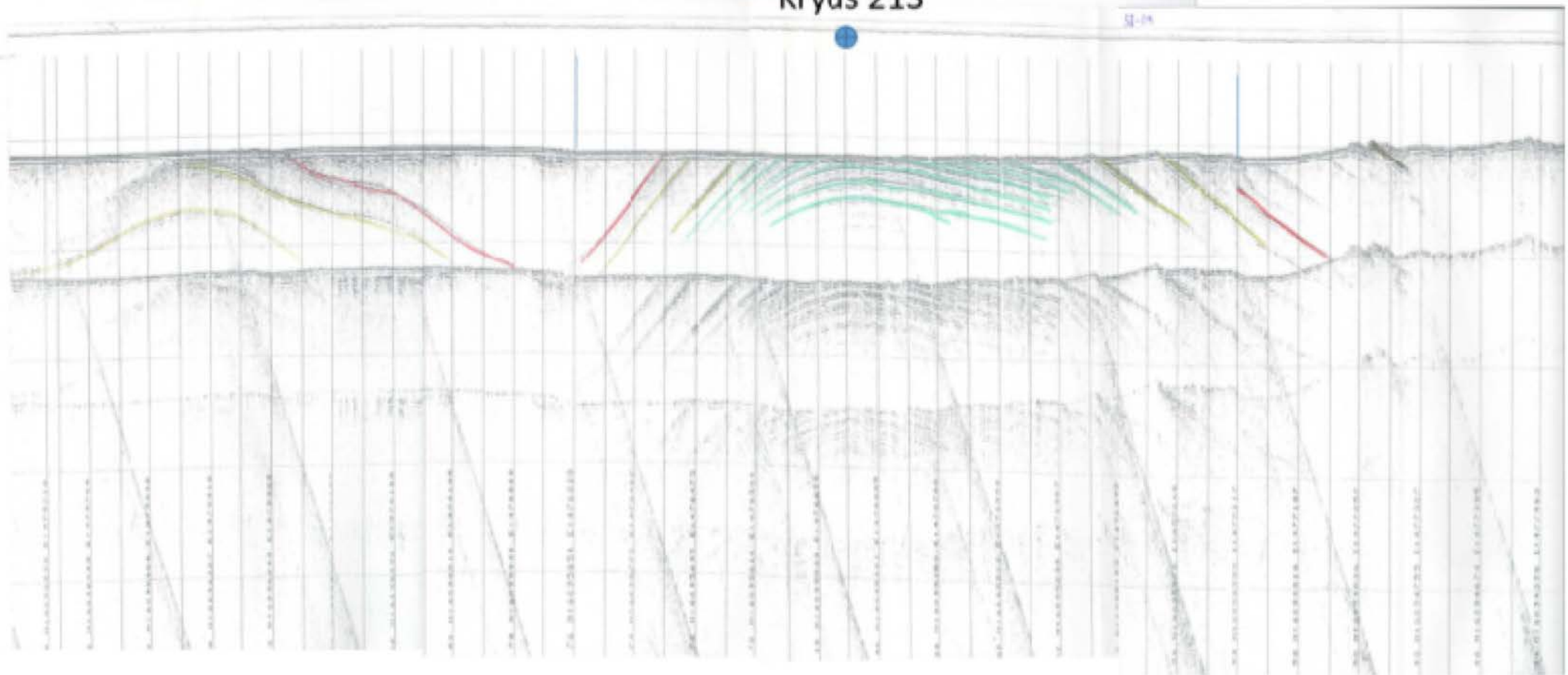


526-018-213

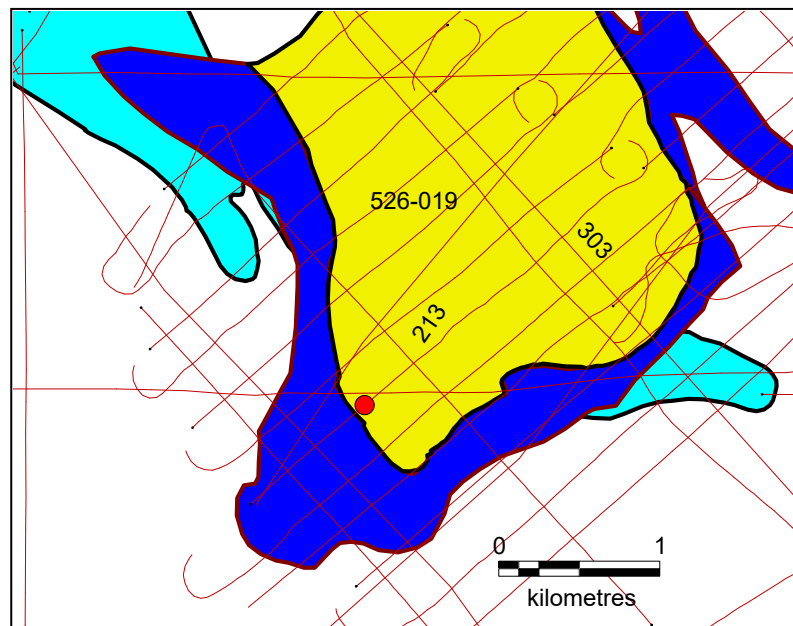


526-018-204

Kryds 213



526-019



Generel info:
dogger-malm sand

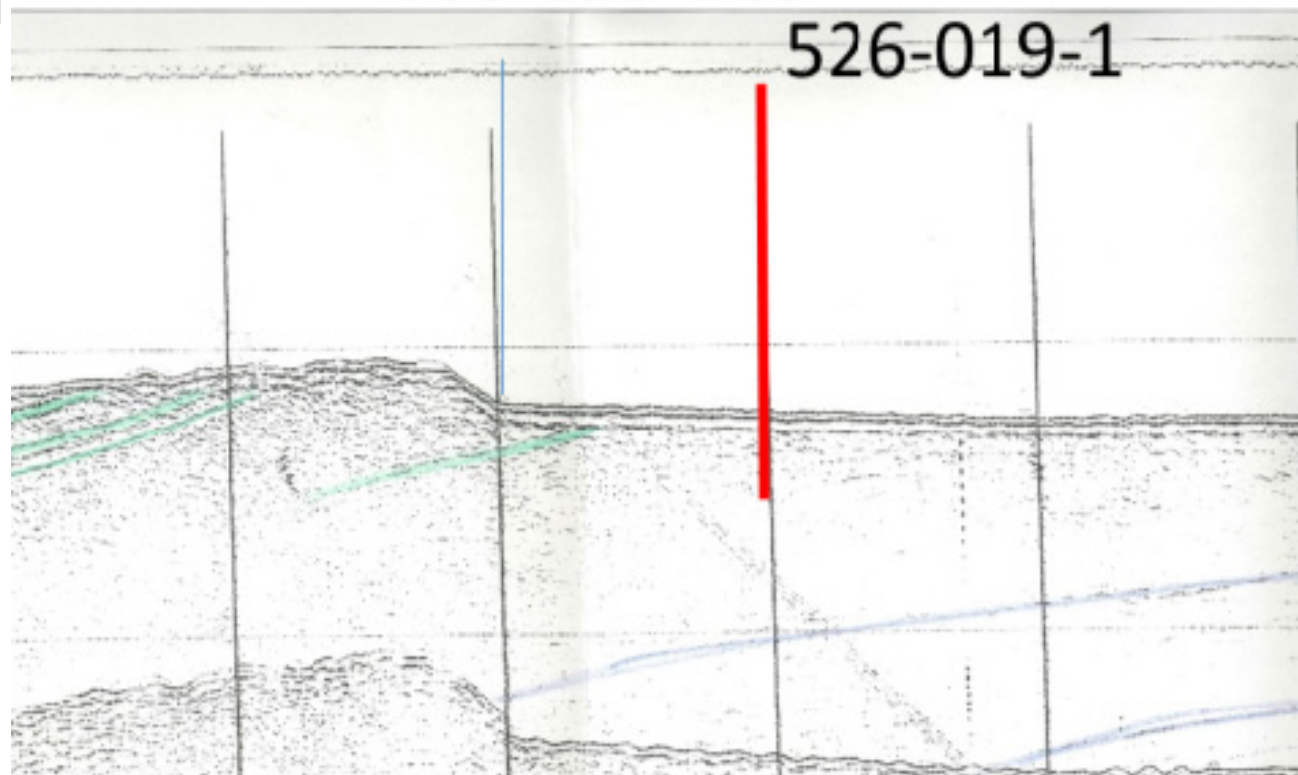
Pos. Boring : (WGS84)
526-019-1) 477036,99 , 6095733,69

Approx vanddybde: 20 m

Seismiske linjer: 213

Eksisterende boring:

256-019-213



526-020

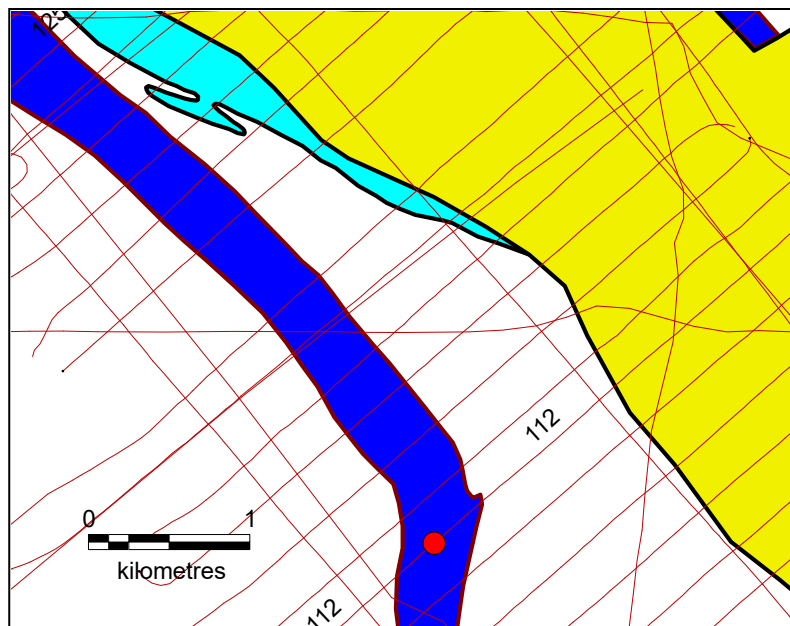
Generel info:
dogger-malm sand

Pos. Boring : (WGS84)
526-020-1) 478332,98 , 6100478,67

Approx vanddybde: 20 m

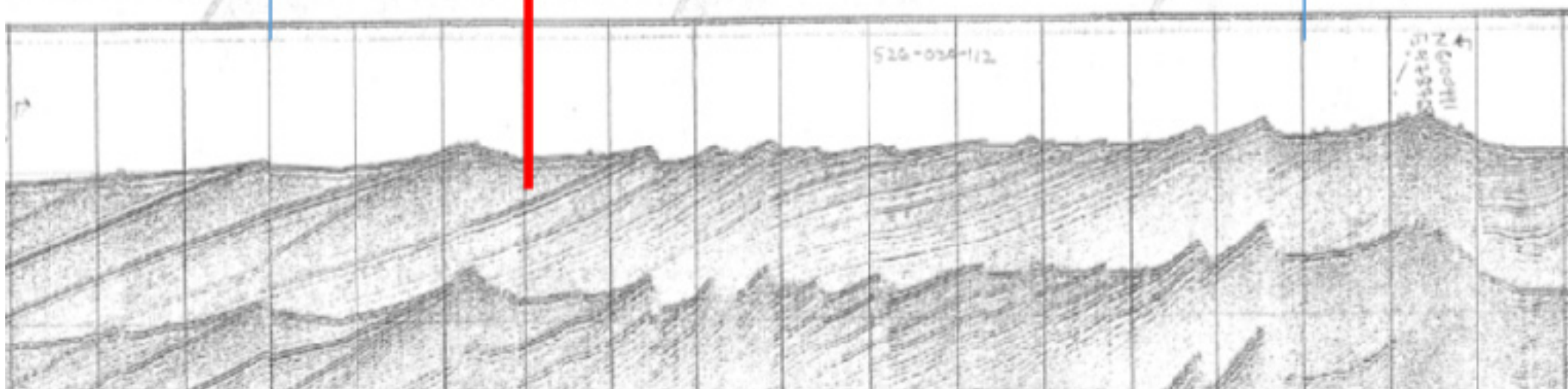
Seismiske linjer: 112, 119

Eksisterende boring:

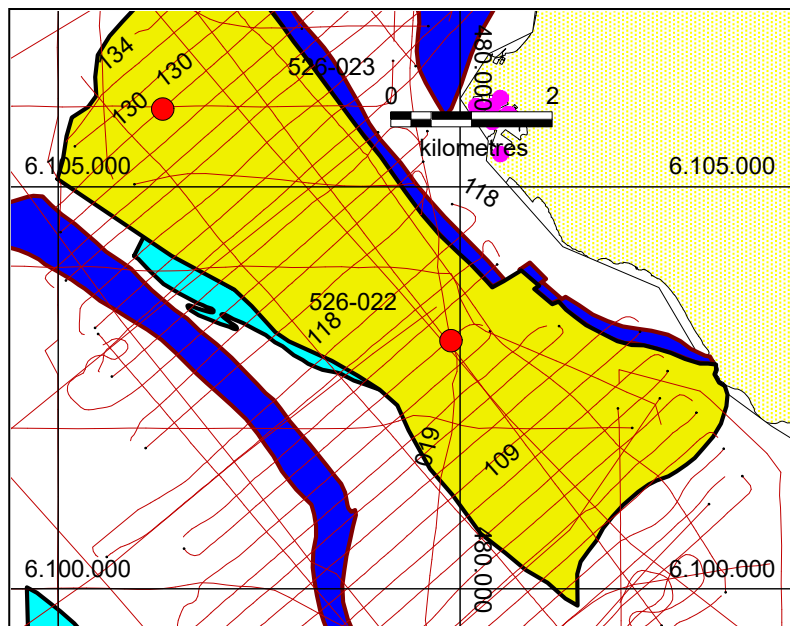


526-020-1

526-020-112



526-022



Generel info:
dogger-malm sand,

Pos. Boring : (WGS84)

526-022-1) 479813,98 , 6102888,65

526-022-2) 479944,98 , 6104499,66

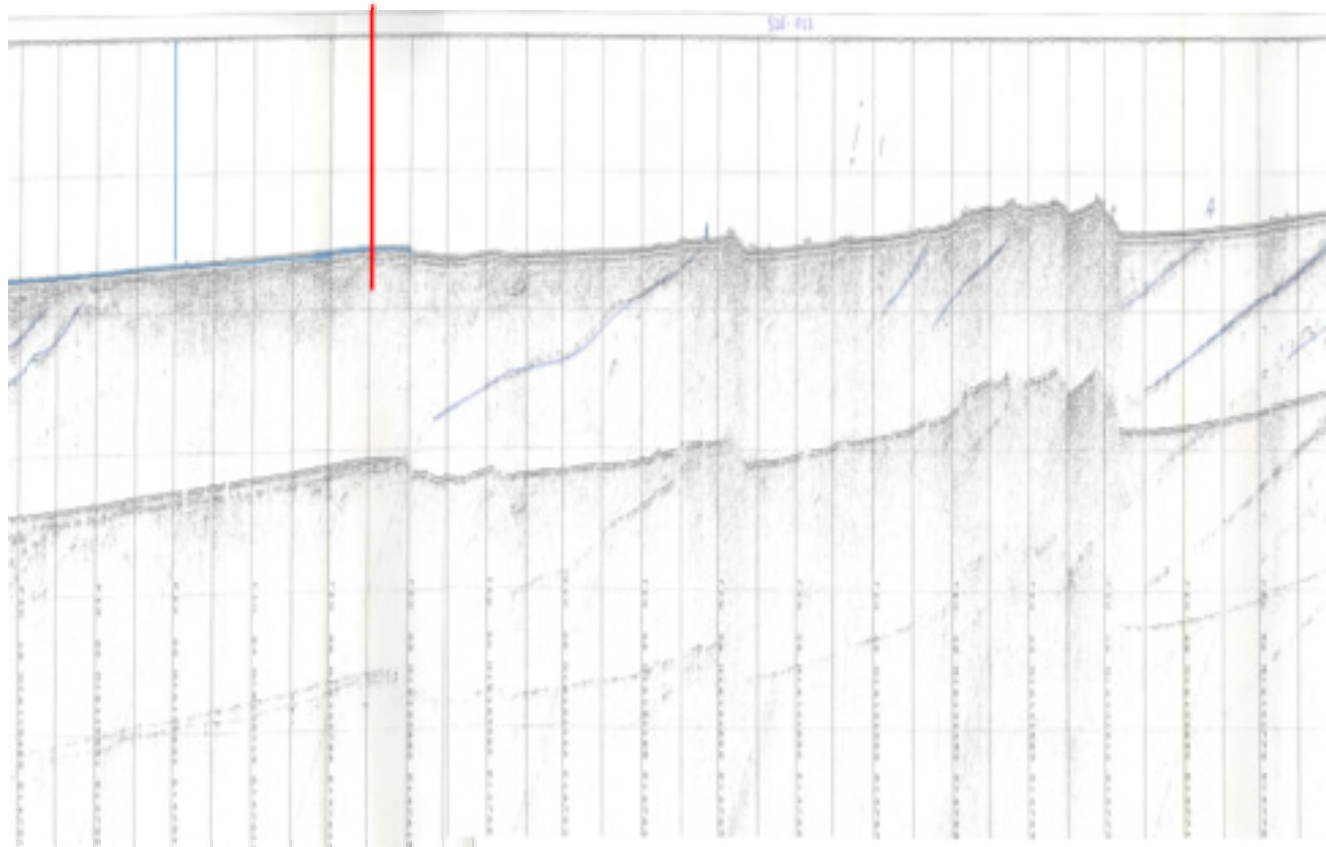
Approx vanddybde: 20 m

Seismiske linjer: 019, 130, 109

Eksisterende boring:

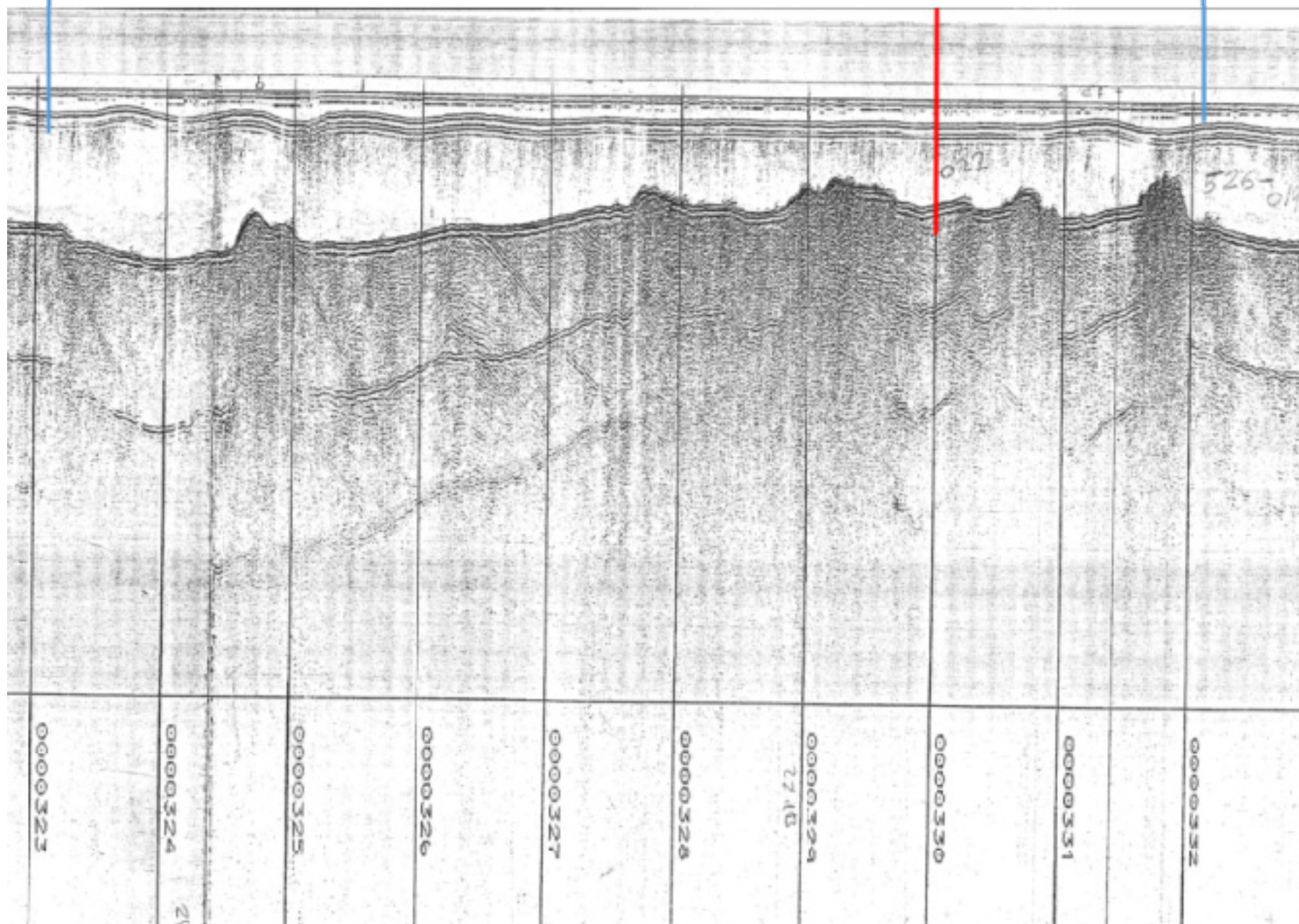
526-022-1

526-022-130

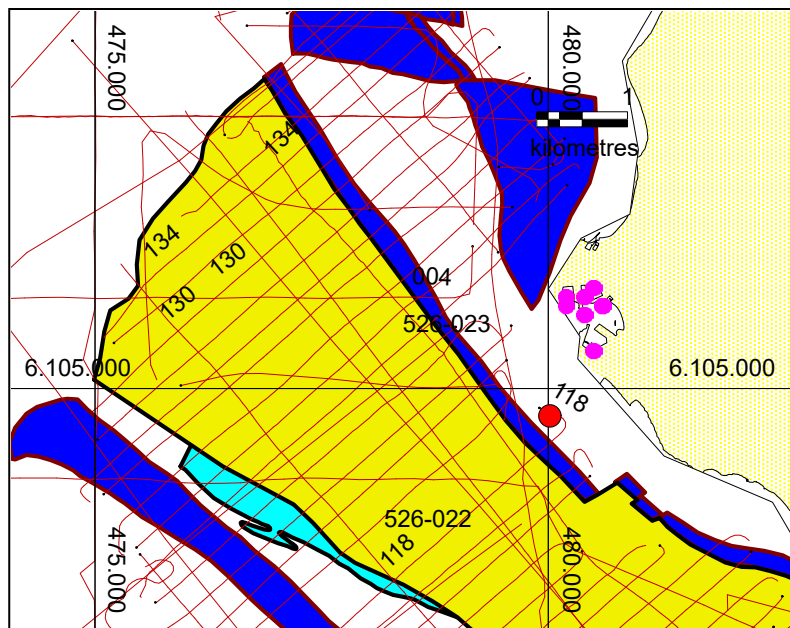


526-022-019

526-022-2



526-023



Generel info:

Dogger-malm sand,

Pos. Boring : (WGS 84)

526-023-01) 479944,98 , 6104499,66

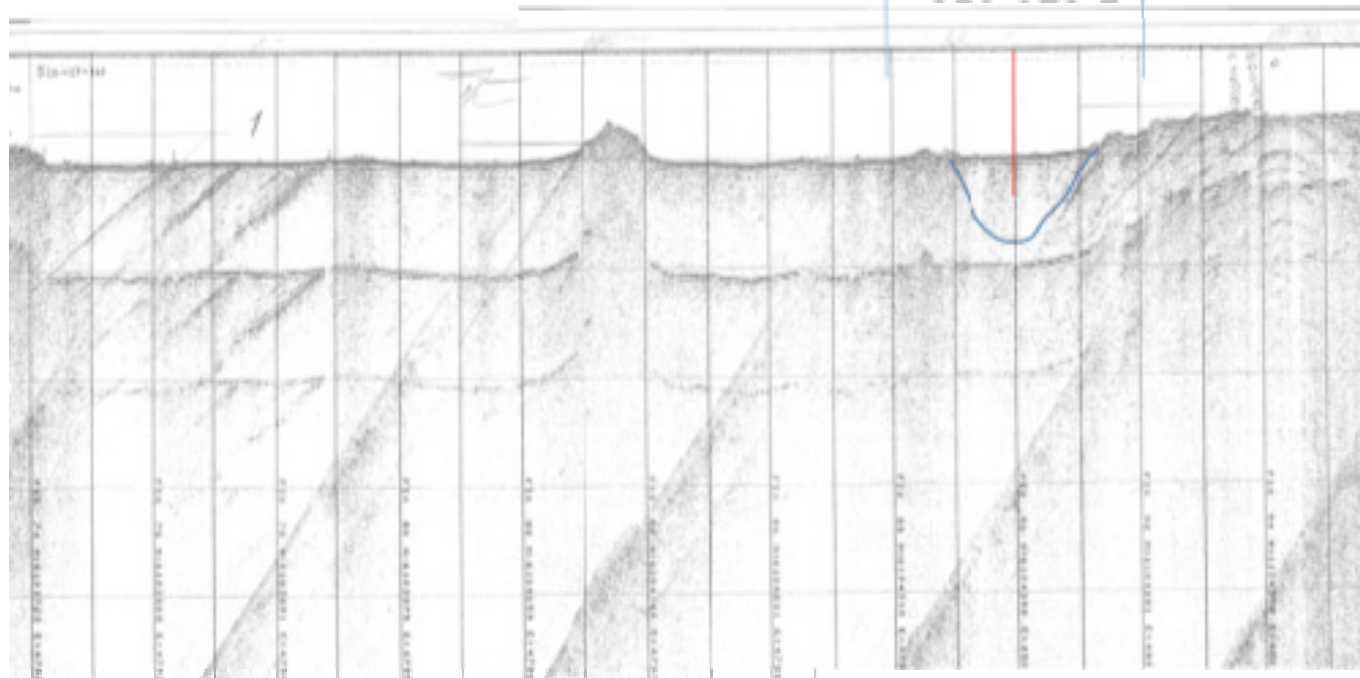
Approx vanddybde: 18 m

Seismiske linjer: 118

Eksisterende boring:

526-023-118

526-023-1



526-026

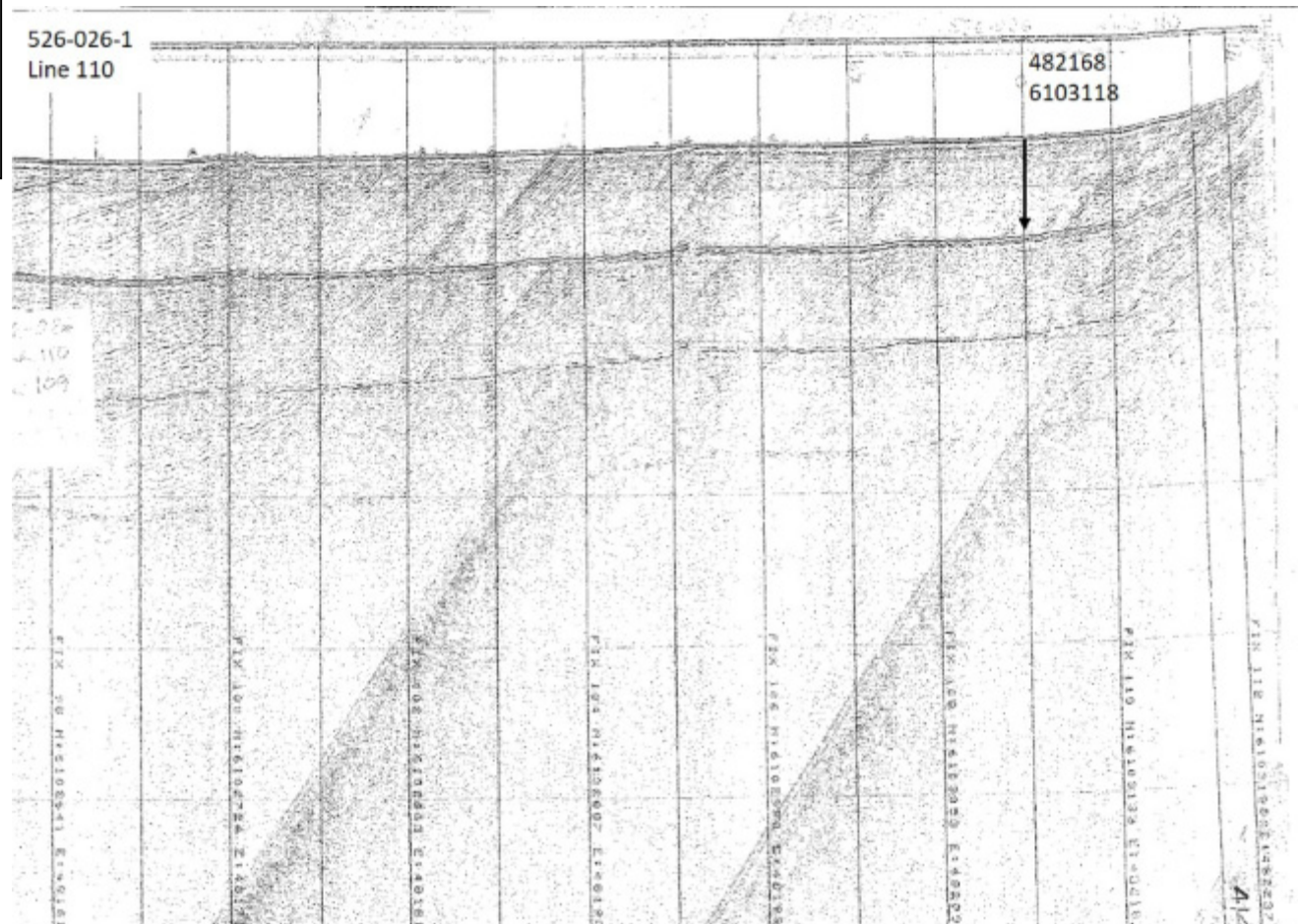
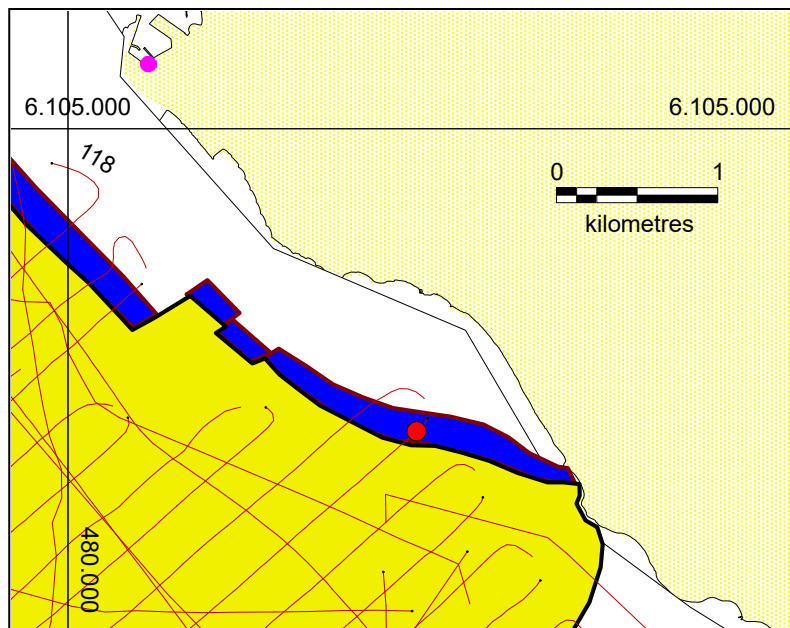
Generel info:
dogger-malm sand,

Pos. Boring : (WGS84)
526-026-1) 482095,96 , 6102919,66

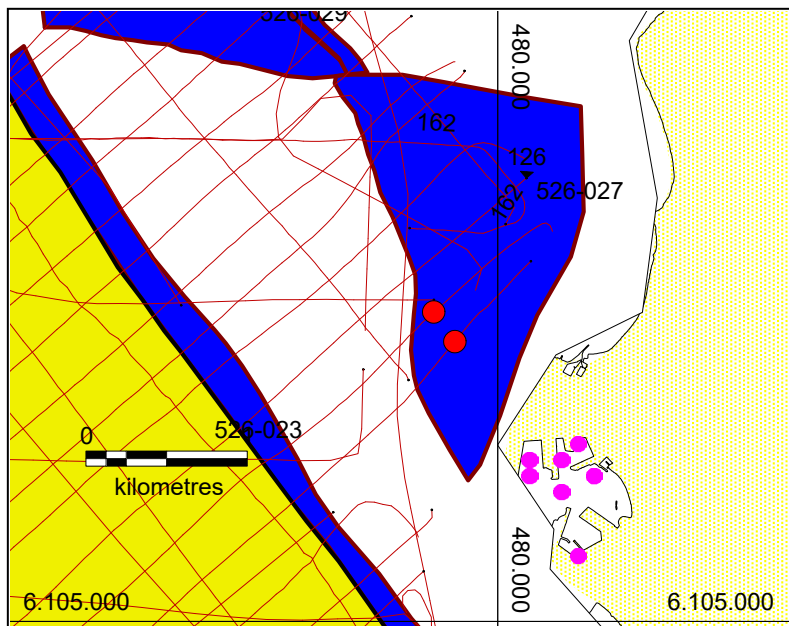
Approx vanddybde: 18 m

Seismiske linjer: 118

Eksisterende boring:



526-027



Generel info:
dogger-malm sand,

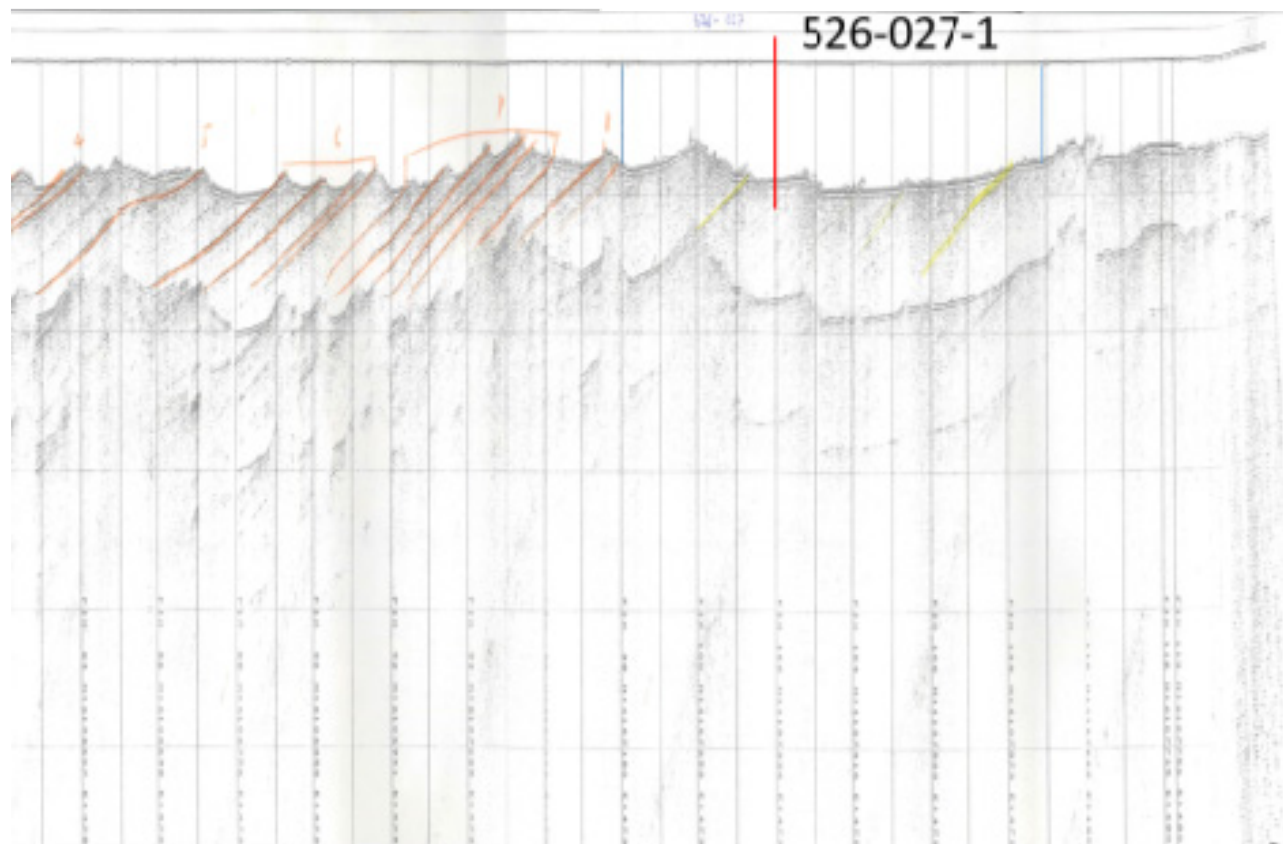
Pos. Boring : (WGS84)
1) 479530 , 6106725
2) 479661.01 , 6106541

Approx vanddybde:

Seismiske linjer: 162, 126

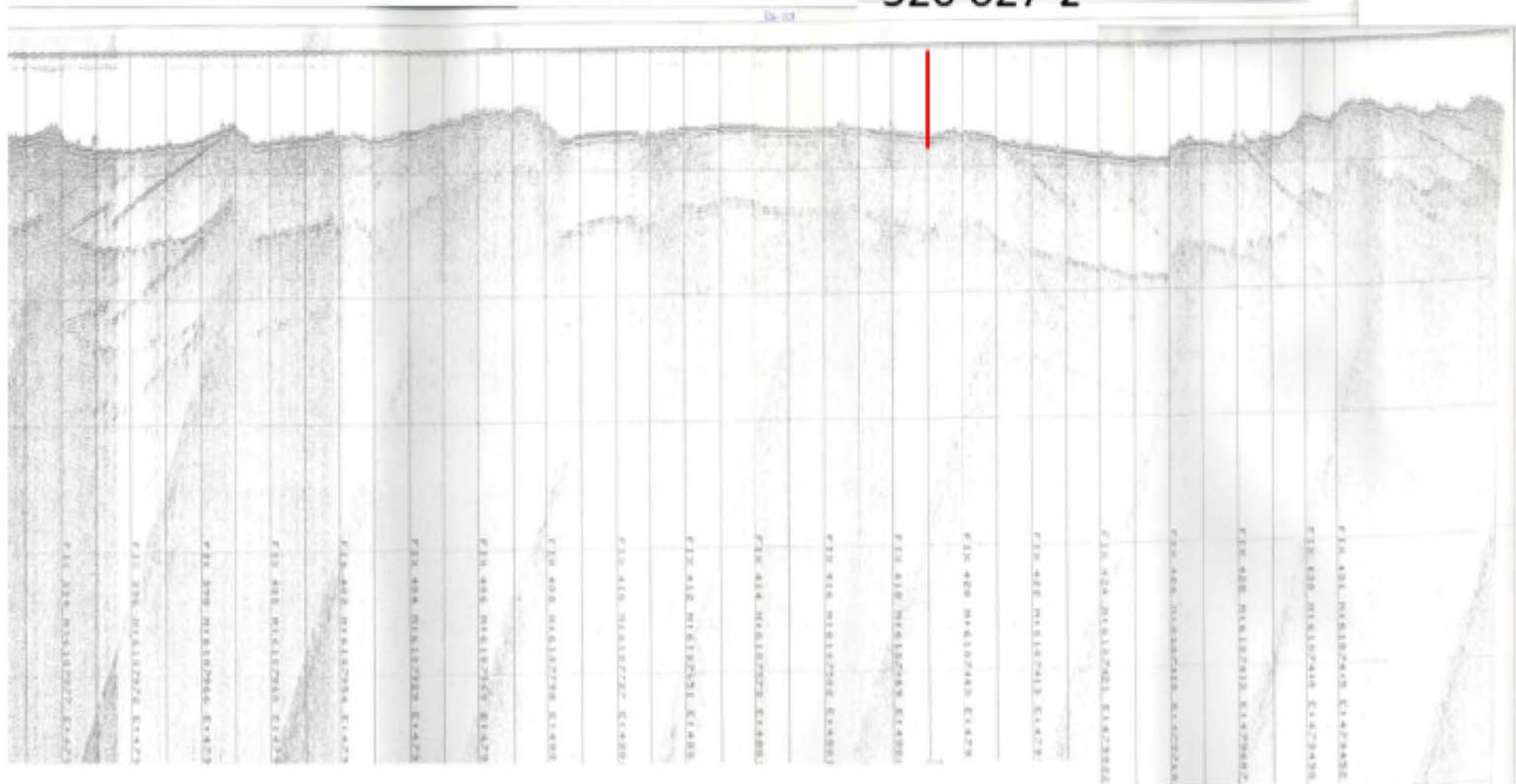
Eksisterende boring:

526-027-126

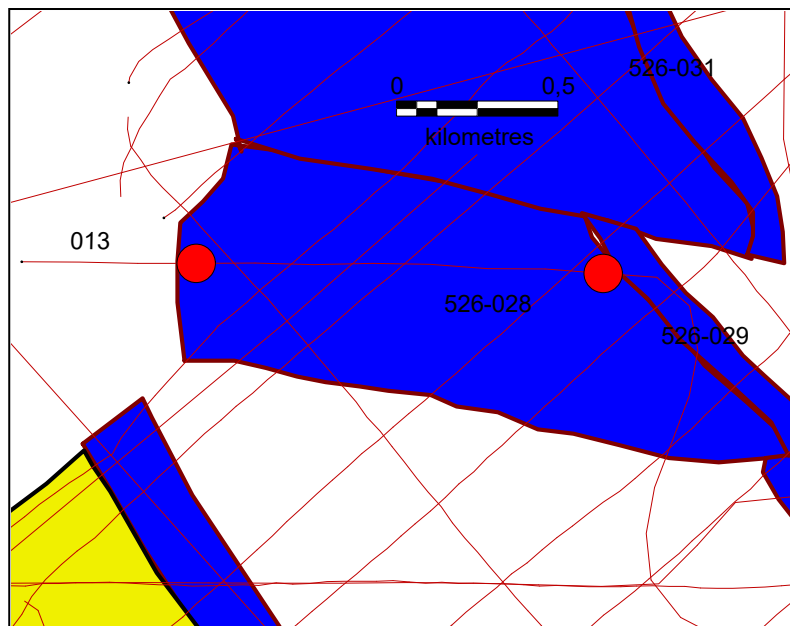


526-027-162

526-027-2



526-028



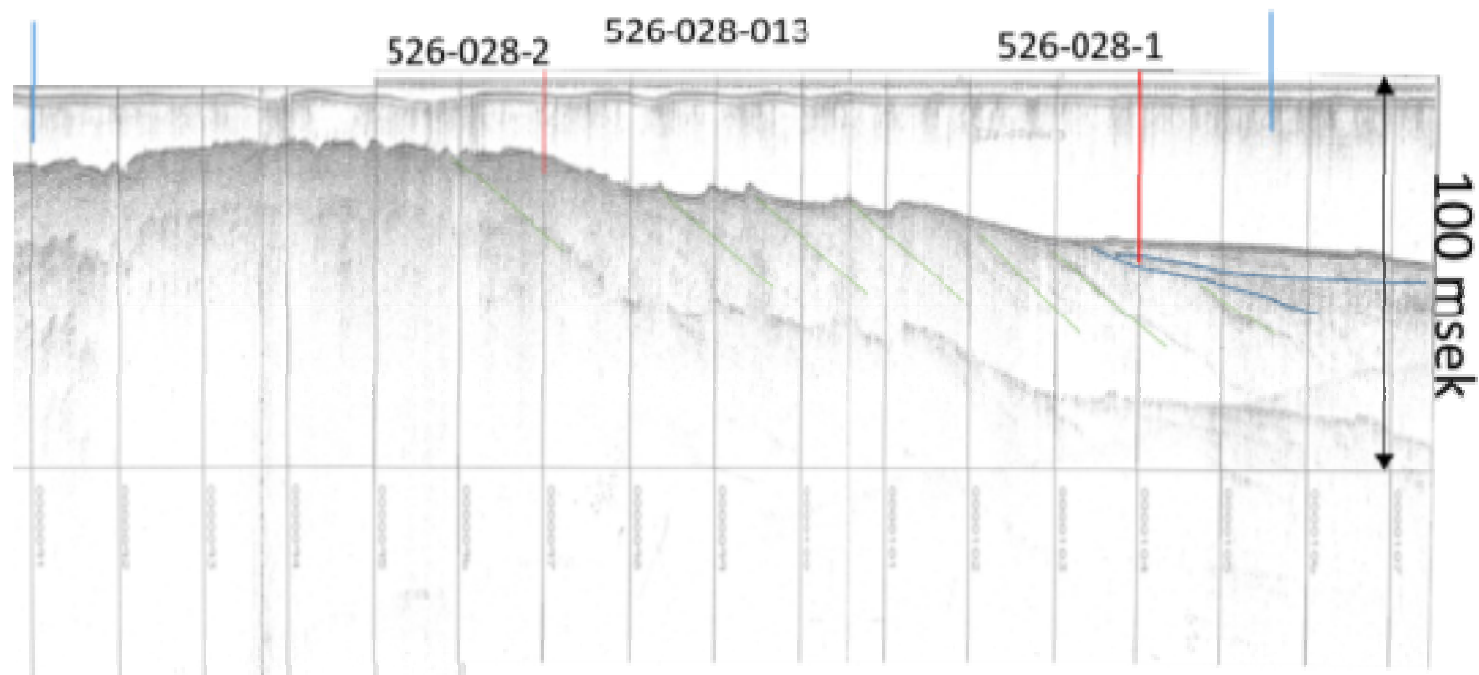
Generel info:
dogger-malm sand,

Pos. Boring : (UTM 33)
526-028-1) 477147,99 , 6108798,64
526-028-2) 478415,98 , 6108767,63

Approx vanddybde: 30 m / 12 m

Seismiske linjer: 013

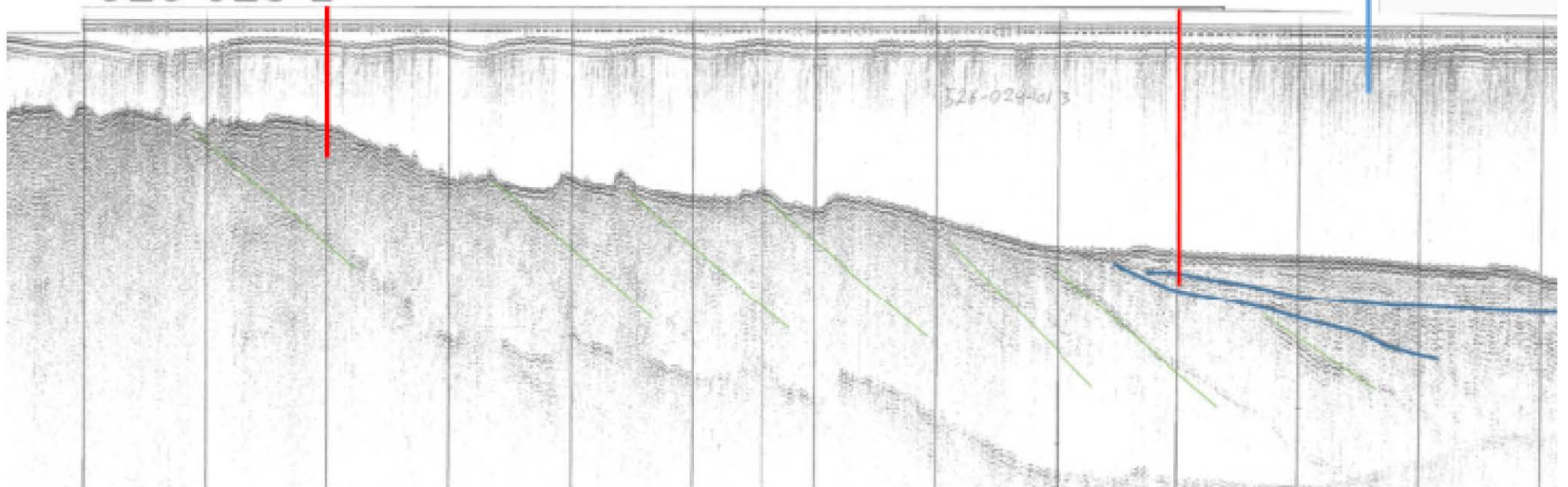
Eksisterende boring:



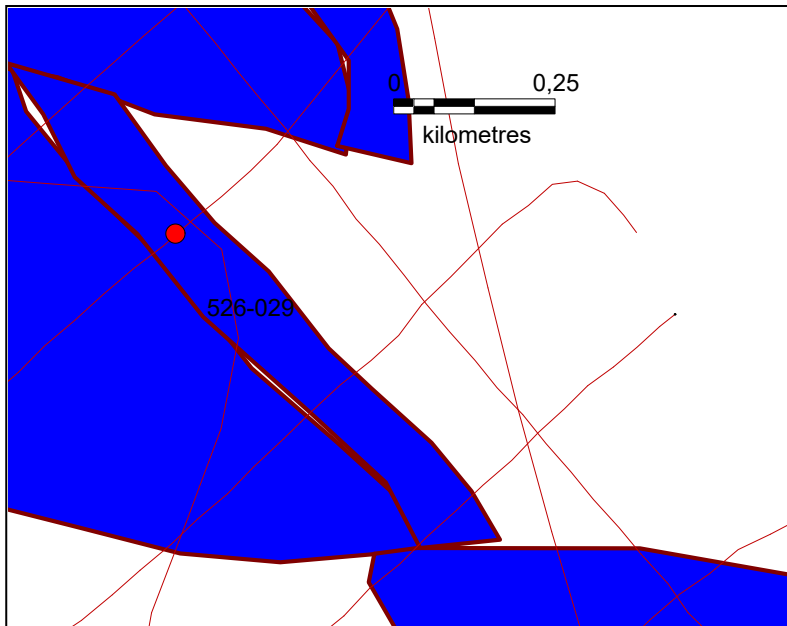
526-028-2

526-028-013

526-028-1



526-029



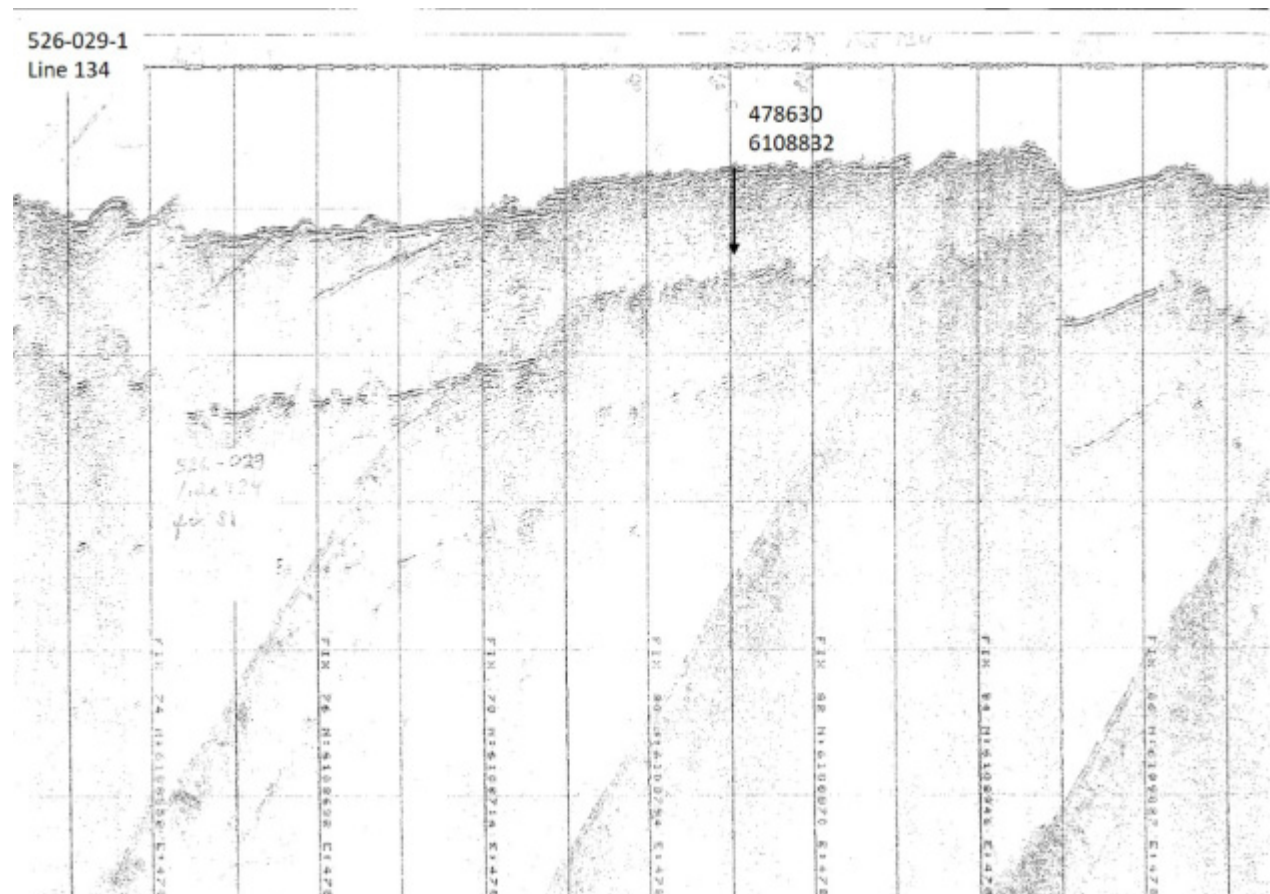
Generel info:
dogger-malm sand,

Pos. Boring : (WGS84)
526-029-1) 478613 , 6108690

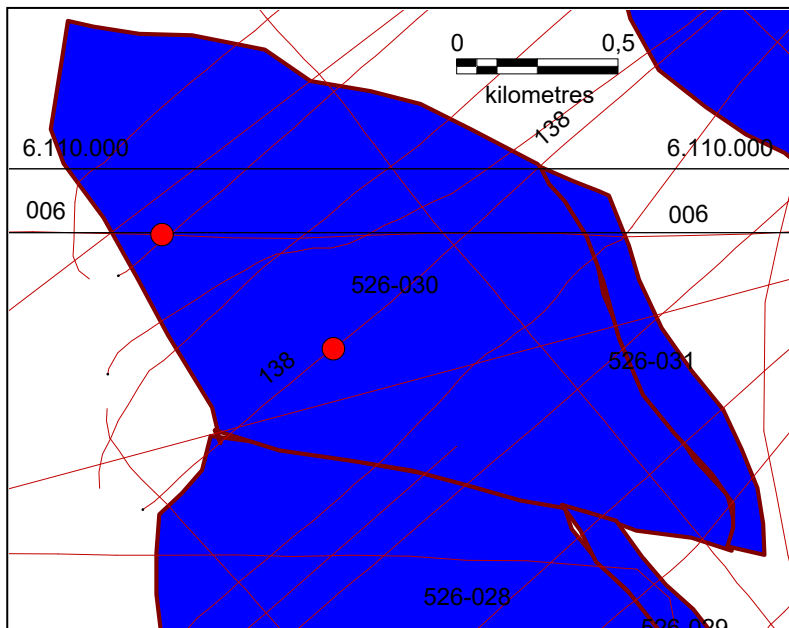
Approx vanddybde: 13 m

Seismiske linjer: 0134

Eksisterende boring:



526-030



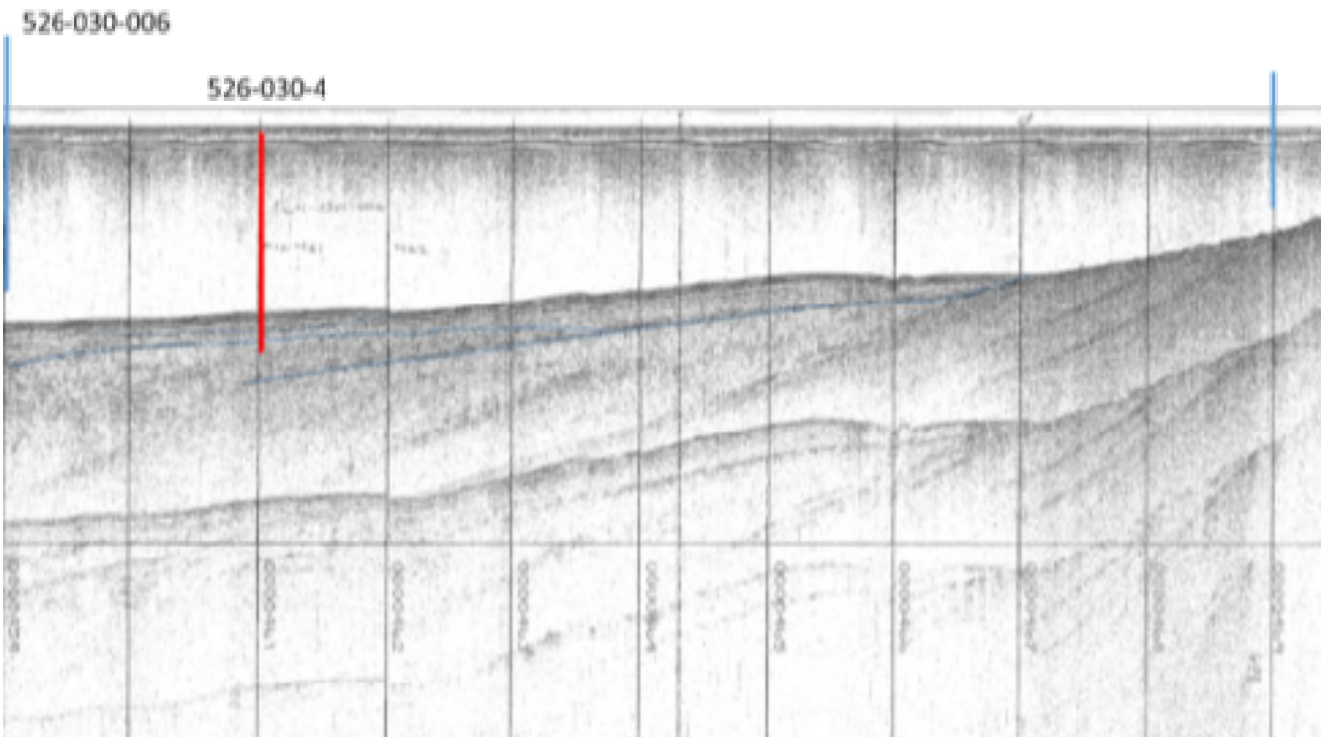
Generel info:
Dogger-malm sand,

Pos. Boring : (WGS 84)
526-030-03) 477639,98 , 6109440,63
526-030-04) 477106,99 , 6109795,63

Approx vanddybde: 32 m

Seismiske linjer: 006, 138

Eksisterende boring:



526-030-138

526-030-3

FIX 50 N16109570 E1477123

FIX 58 N16109535 E1477712

FIX 56 N16109711 E1477402

FIX 54 N16109594 E1477291

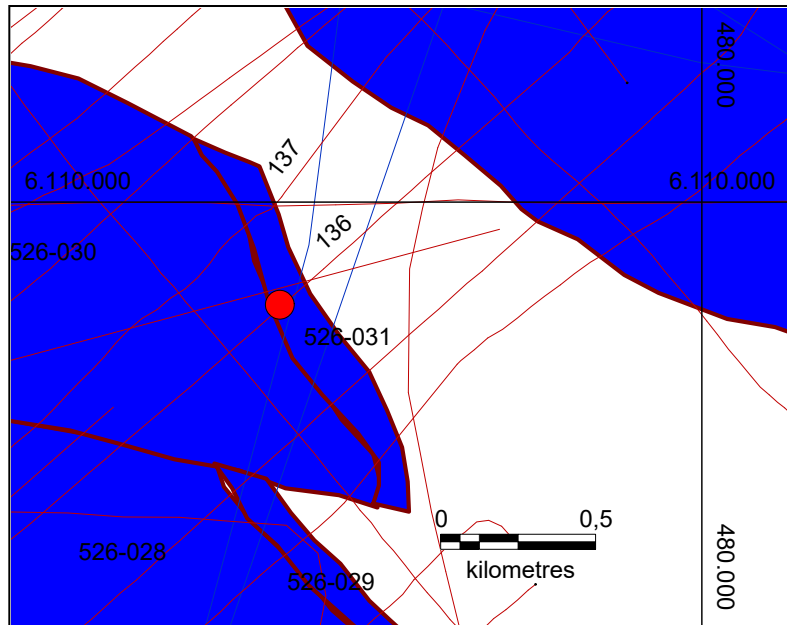
FIX 52 N16109559 E1477374

FIX 50 N16109536 E1478078

FIX 70 N16110012 E1478142

FIX 76 N16110009 E1478228

526-031



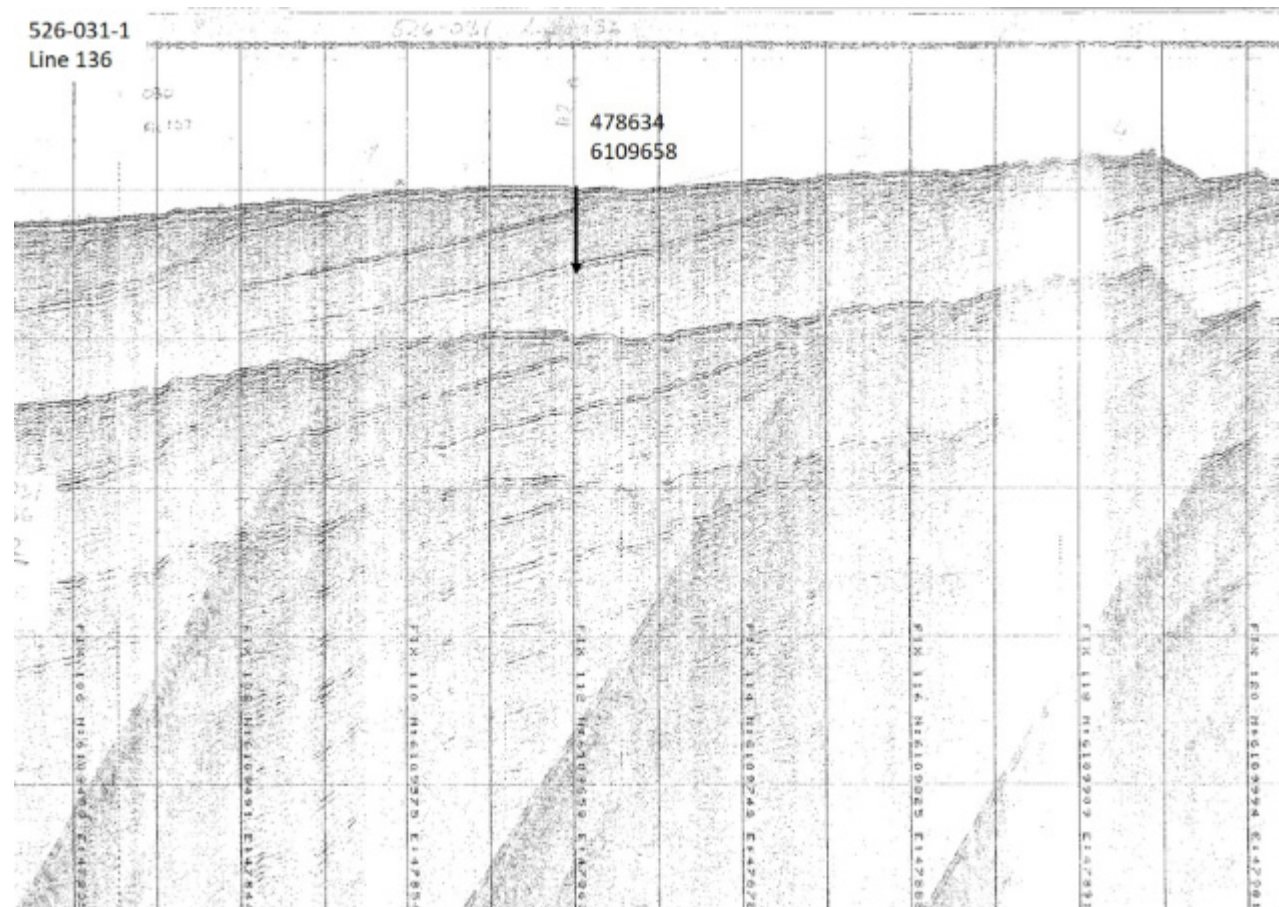
Generel info:
Senglacial ferskvandsgrus

Pos. Boring : (WGS 84)
526-031-01) 478561,98 , 6109459,63

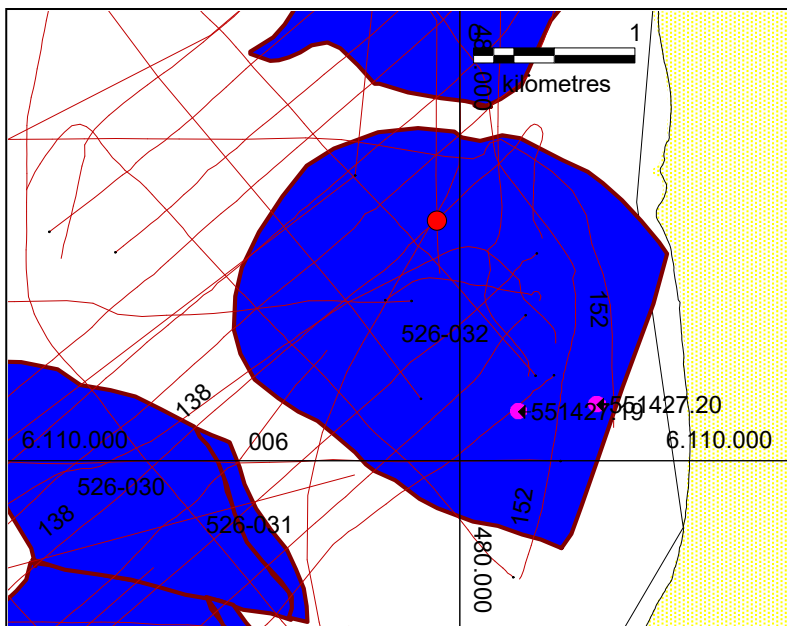
Approx vanddybde: 18 m

Seismiske linjer: 136, 137

Eksisterende boring:



526-032



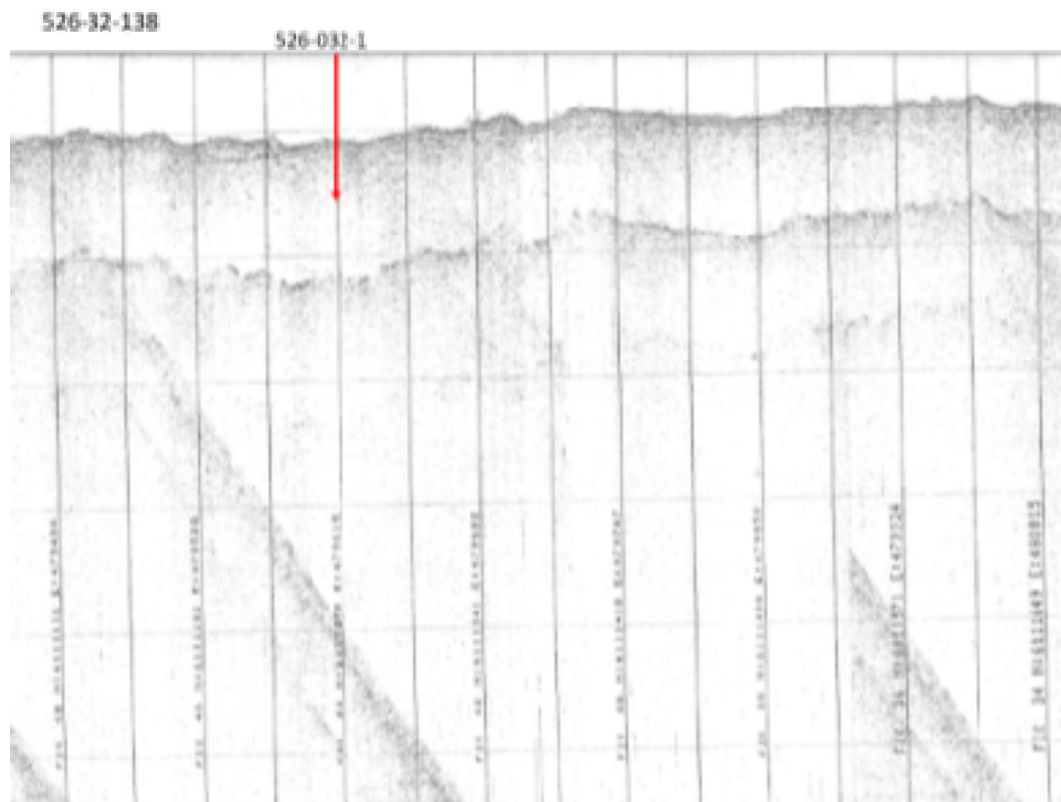
Generel info:
dogger-malm sand,

Pos. Boring : (WGS84)
526-032-1) 479785,97 , 6111295,62

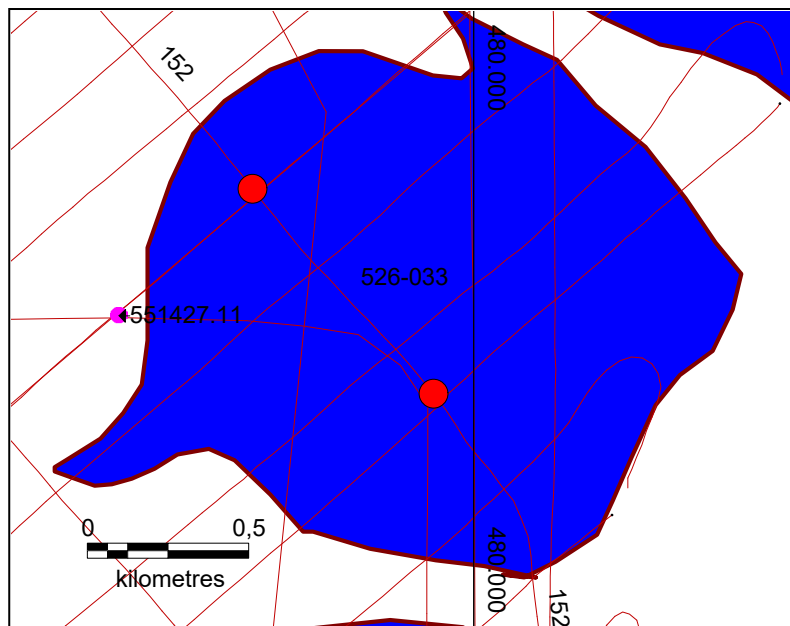
Approx vanddybde: 12 m

Seismiske linjer: 138

Eksisterende boring: 551427.19 : 551427.20
Begge borer mangelfulde men viser sand i toppen.



526-033



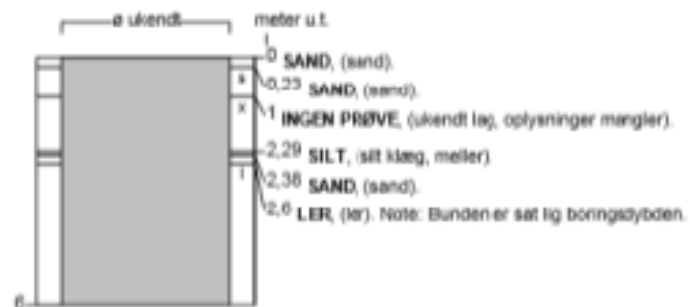
Generel info:
Dogger-malm sand,

Pos. Boring : (WGS 84)
526-033-01) 479239,97 , 6113211,61
526-033-02) 479802,98 , 6112574,61

Approx vanddybde: 27 m / 20 m

Seismiske linjer: 152

Eksisterende boring: 551427.11

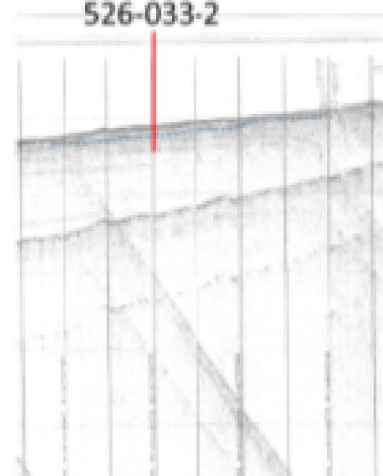
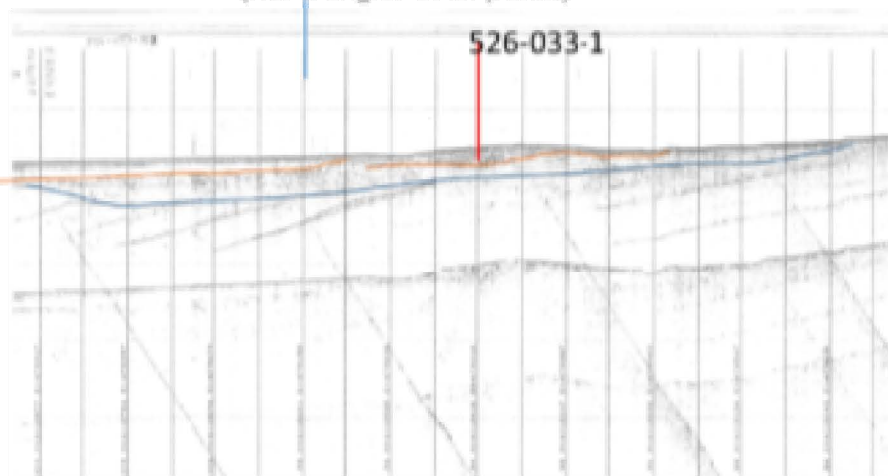


526-033-152

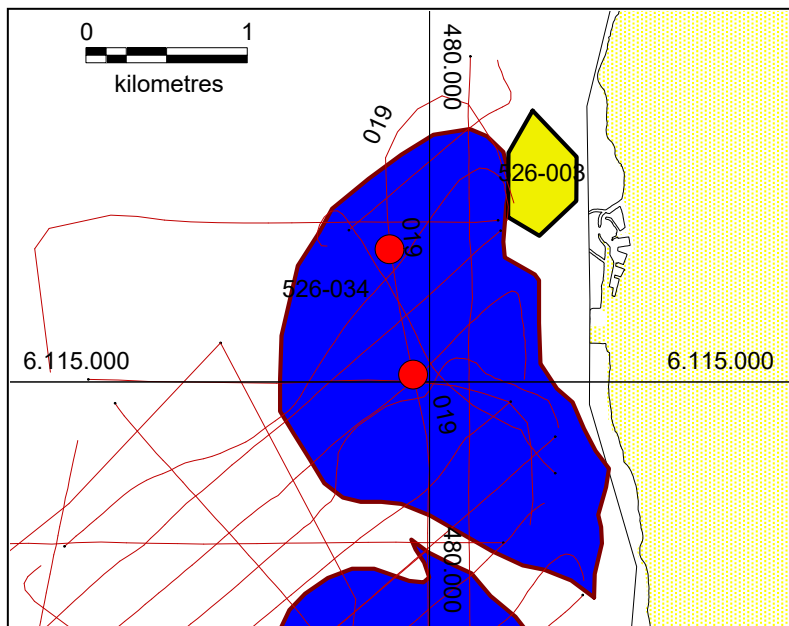
(her mangler et fix-punkt)

526-033-1

526-033-2



526-034



Generel info:

Dogger-malm sand,

Pos. Boring : (WGS 84)

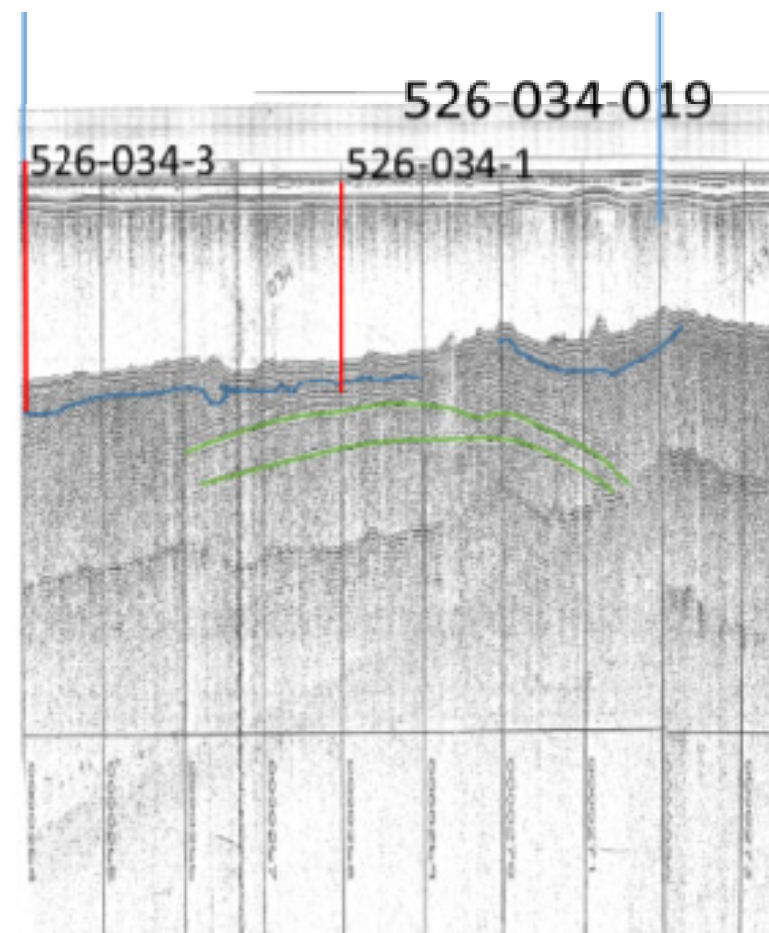
526-034-01) 479824,98 , 6114847,6

526-034-03) 479678,97 , 6115626,61

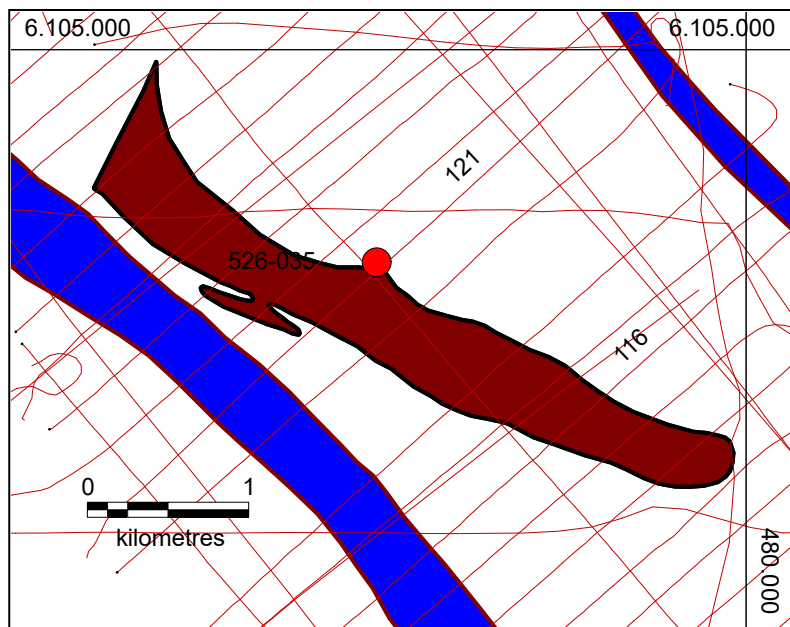
Approx vanddybde: 24 m / 26 m

Seismiske linjer: 019

Eksisterende boring:



526-035



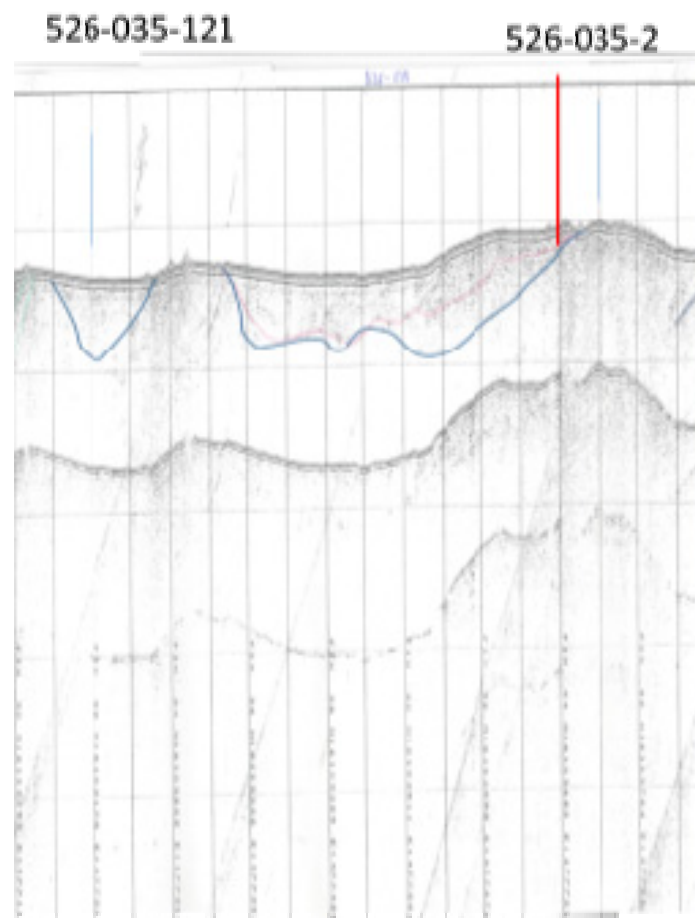
Generel info:
Senglacial ferskvandsgrus

Pos. Boring : (WGS 84)
526-035-02) 477630 , 6103482

Approx vanddybde: 15 - 20 m

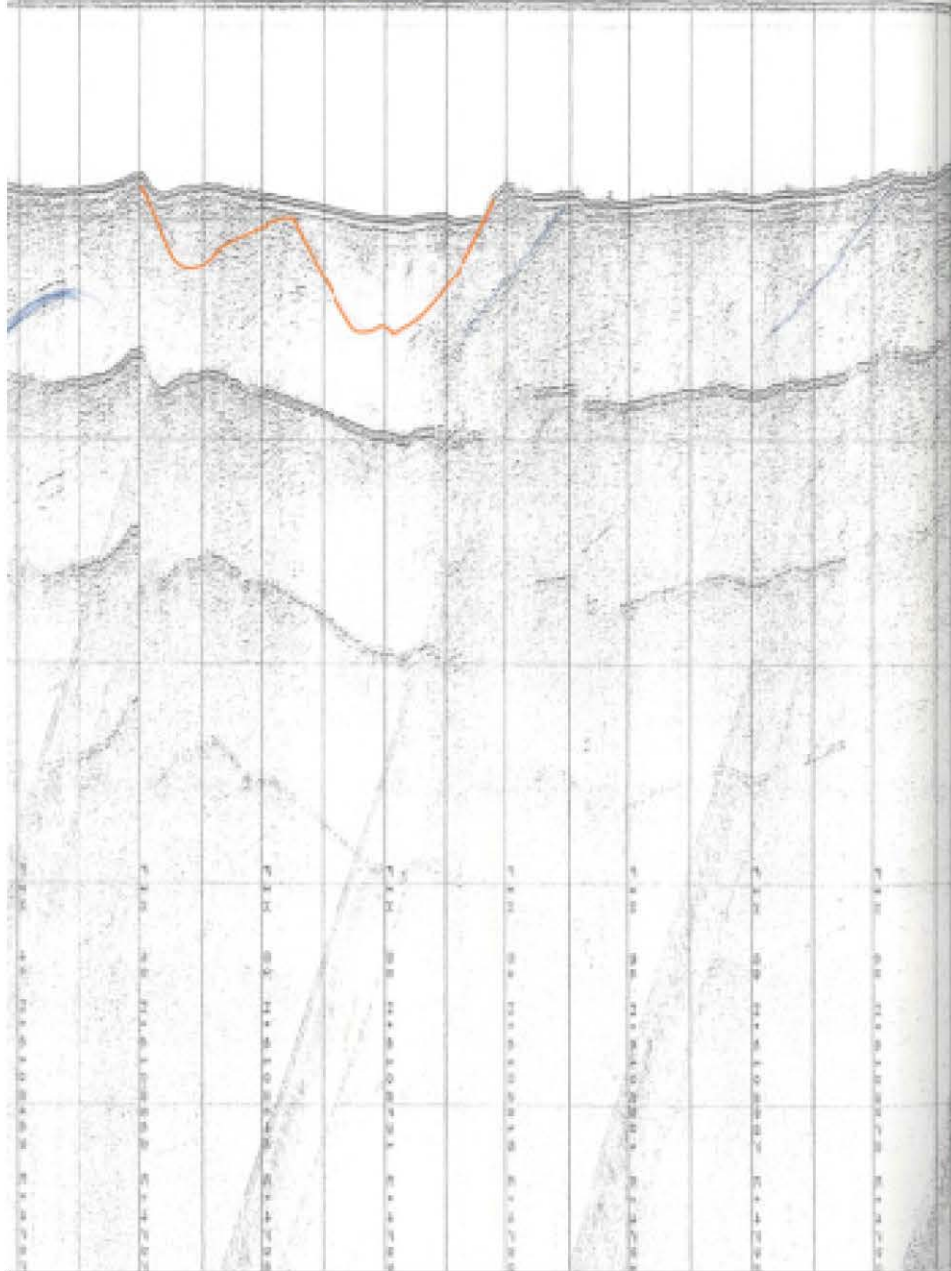
Seismiske linjer: 121, 116

Eksisterende boring:

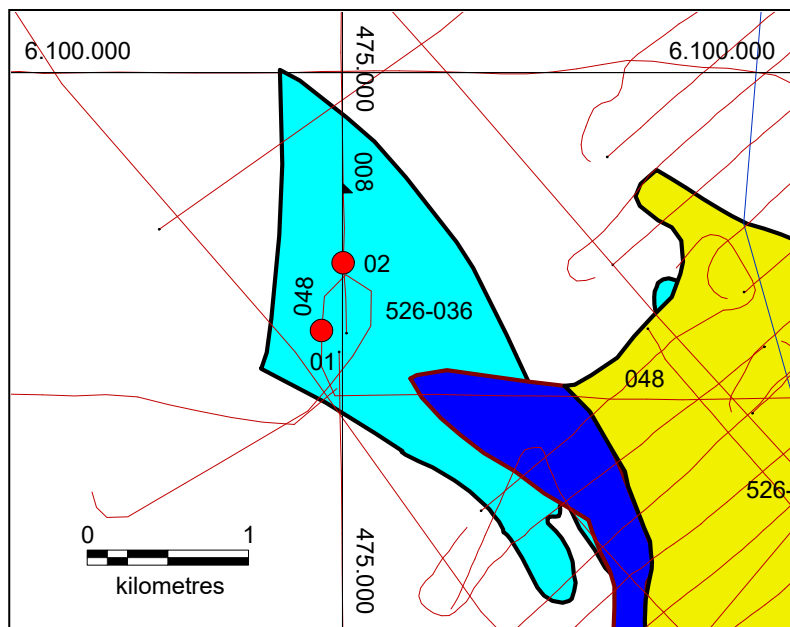


526-035-116

514-035



526-036



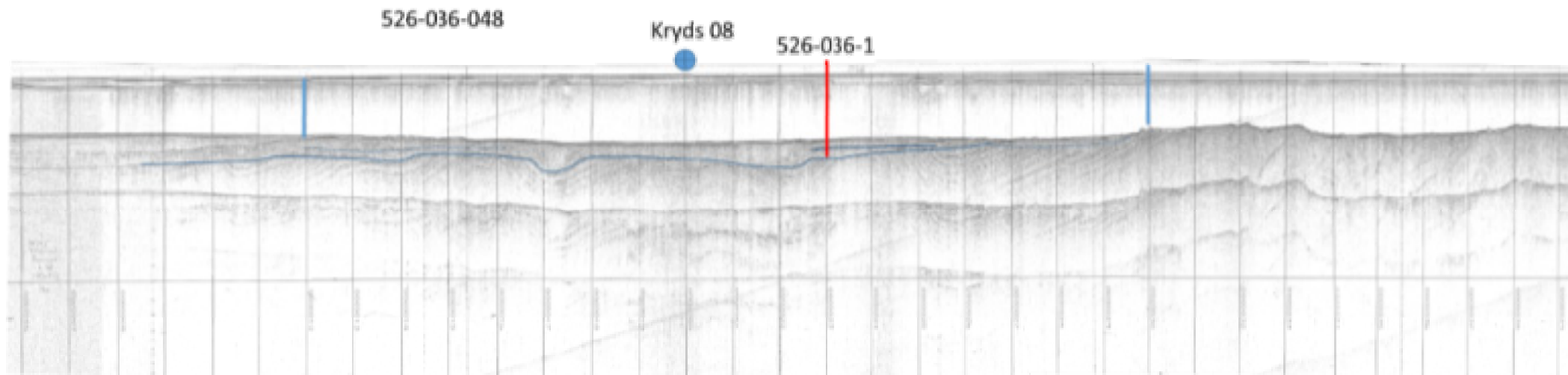
Generel info:
Senglacial ferskvandsgrus

Pos. Boring : (WGS 84)
526-036-01) 474798, 6098197,68
526-036-03) 474933, 6098619,67

Approx vanddybde: 24 m

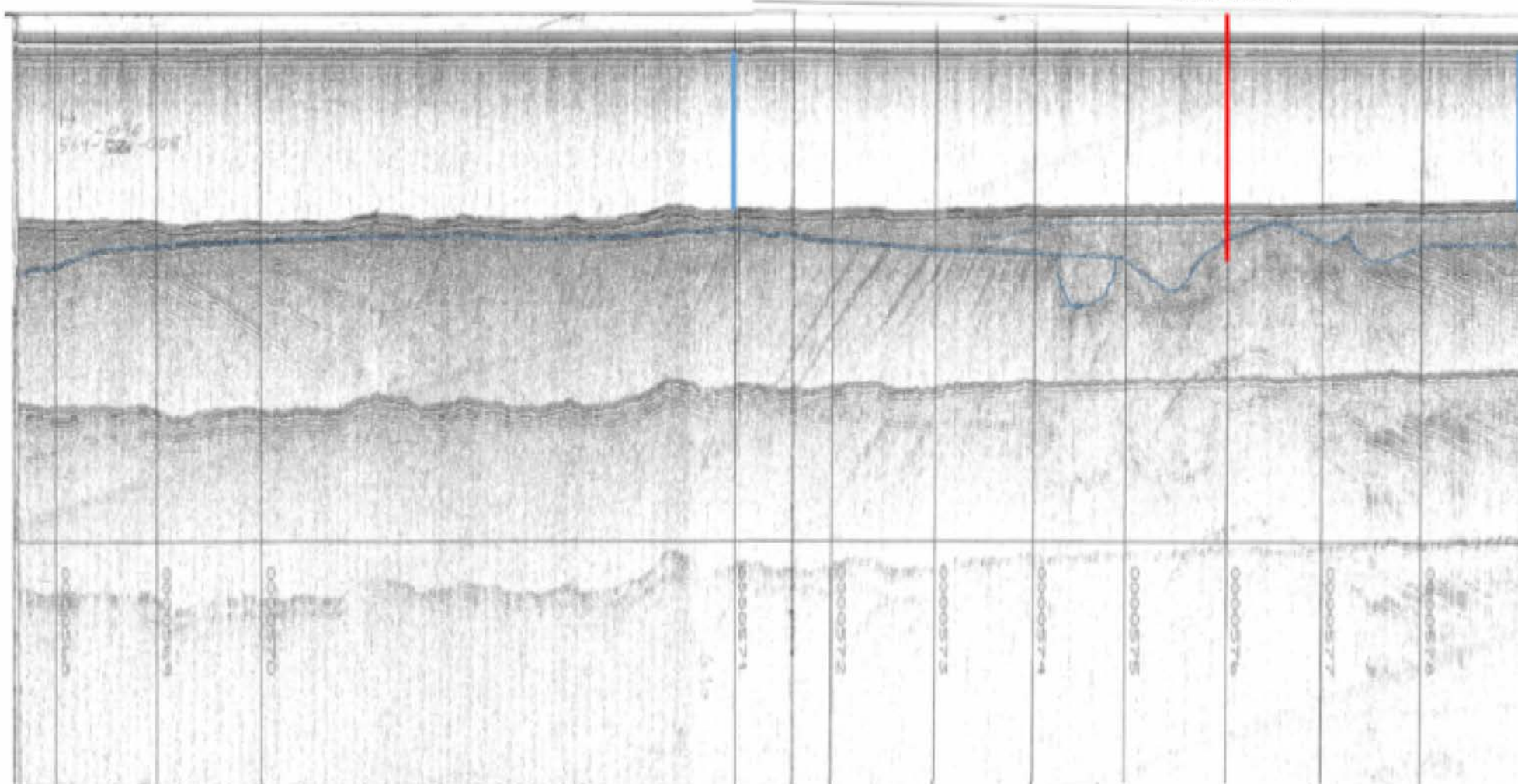
Seismiske linjer: 048, 008

Eksisterende boring:

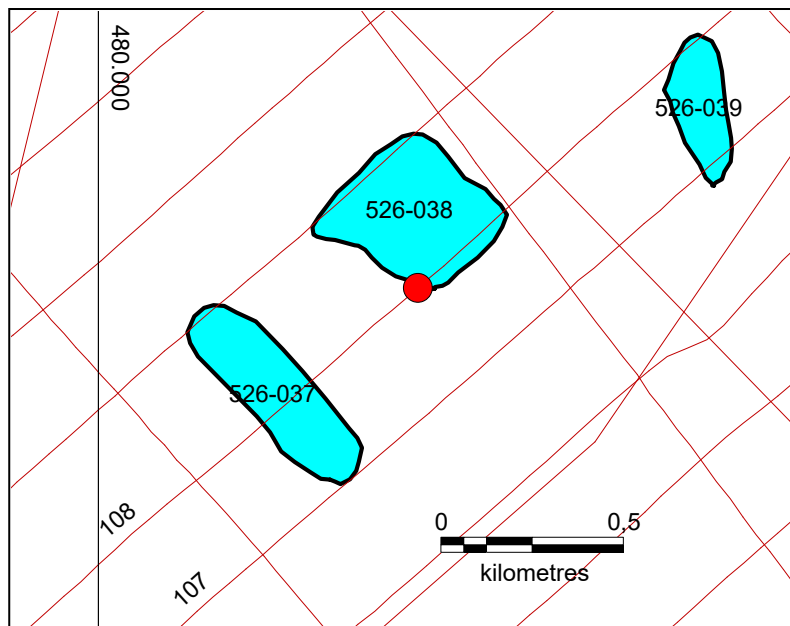


526-036-008

526-035-3



526-038



Generel info:
Senglacial ferskvandsgrus

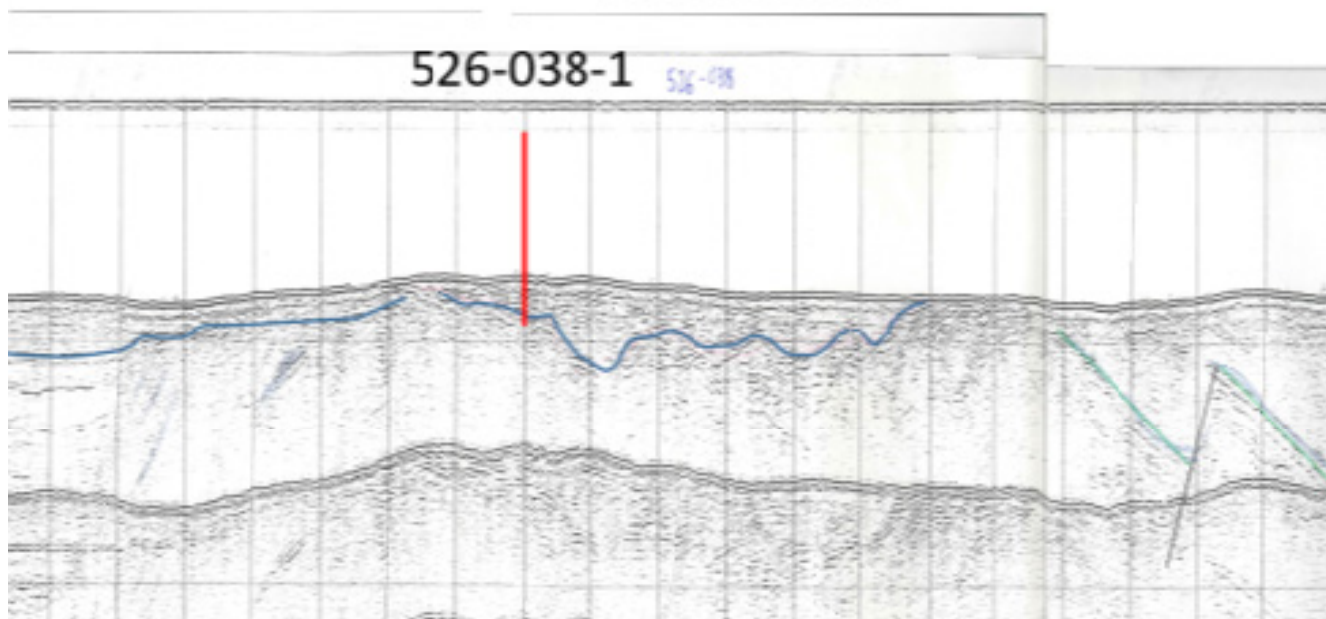
Pos. Boring : (WGS84)
526-038-1 : 480805, 6100957

Approx vanddybde: 14 m

Seismiske linjer: 108 , 107

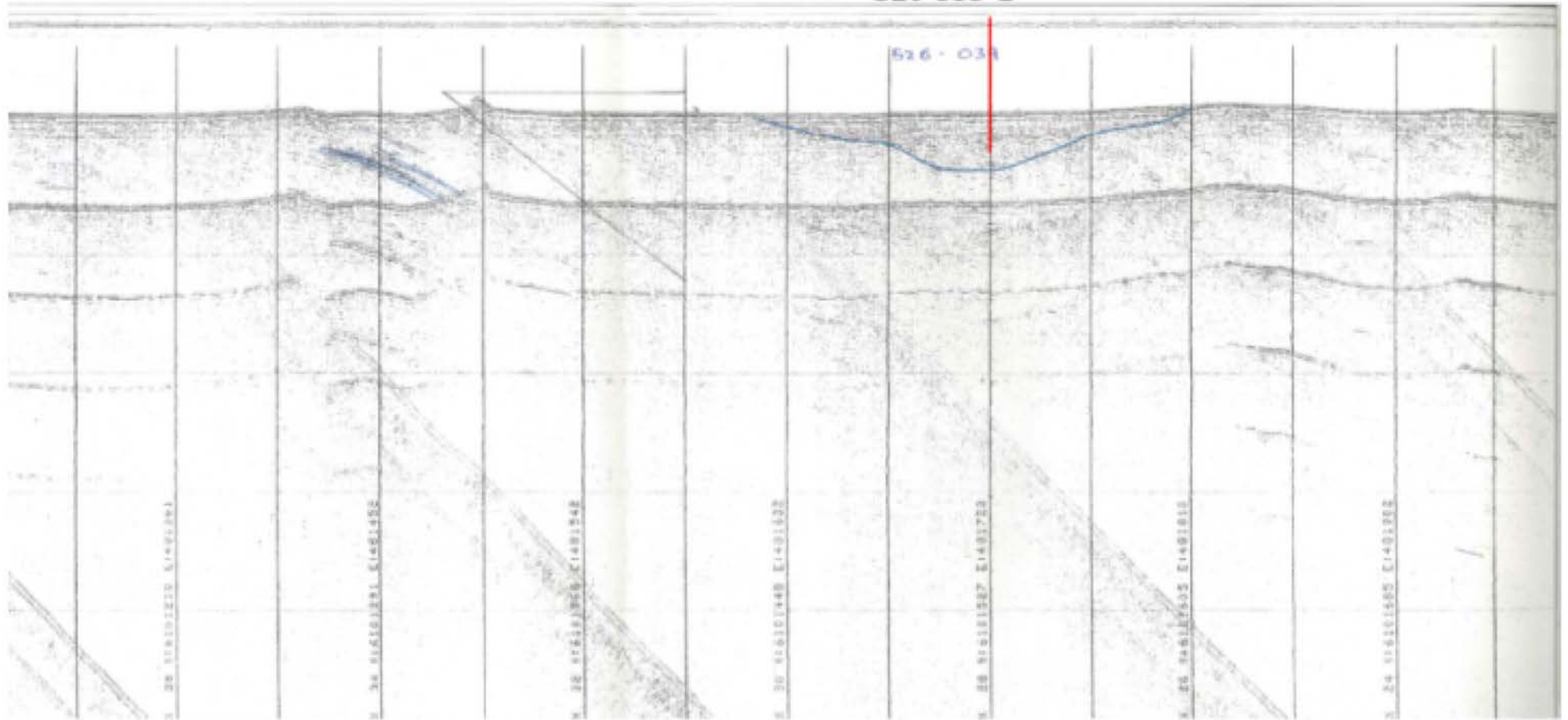
Eksisterende boring:

526-038-108



526-039-107

526-039-1



536-018

Generel info:

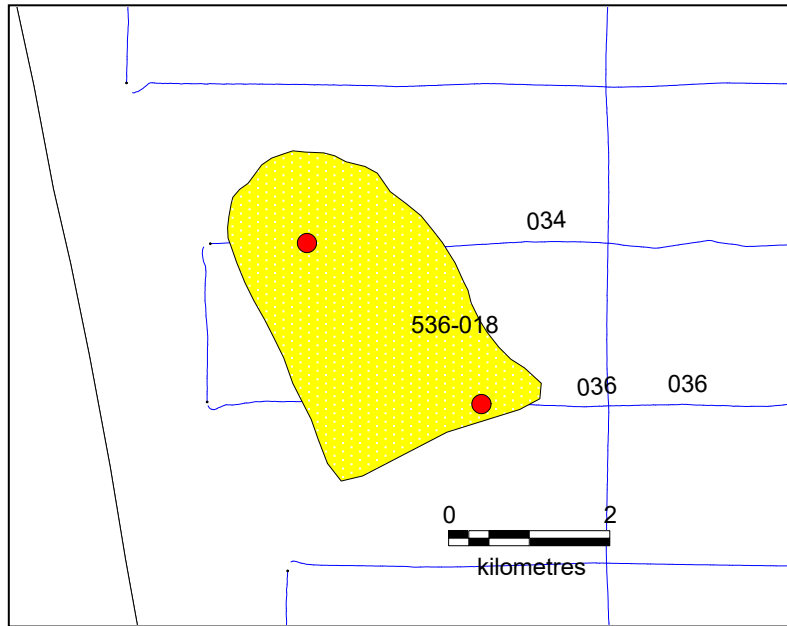
Pos. Boring (WGS84):
536-018-2) 669160,02 , 6221819,38

536-018-2) 671337,09 , 6219809,45

approx vanddybde : 20

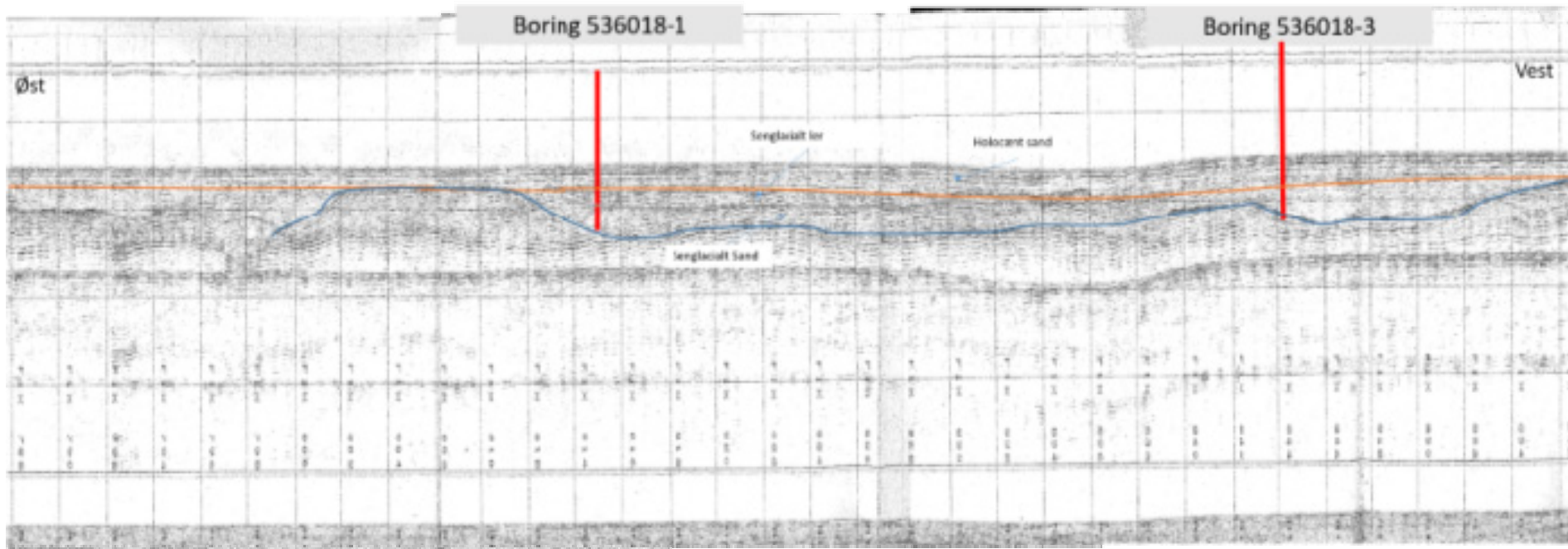
Seismiske linjer: 036, 34

Eksisterende boring:



Ressource 536018

Linje 530036



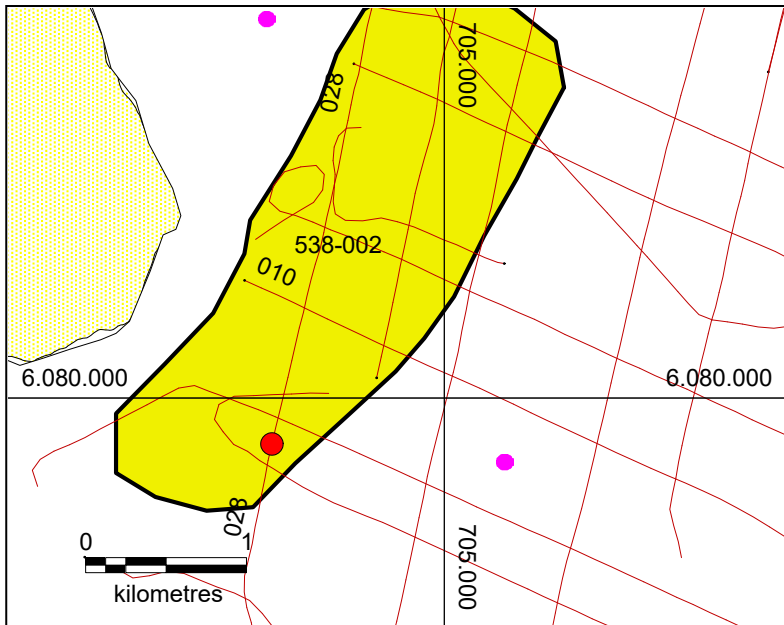
538-002

Generel info:
Postglacial saltvandssand

Pos. Boring (WGS84) :
1) 703838.81 , 6079508.07

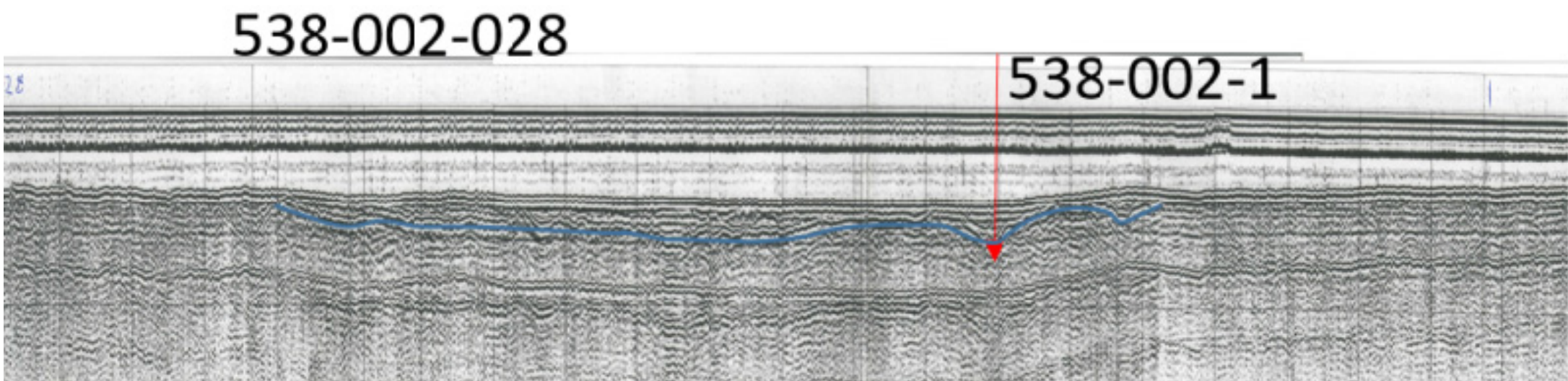
Vanddybde: 4.5

Seismiske linjer: 010, 028



538-002-028

538-002-1



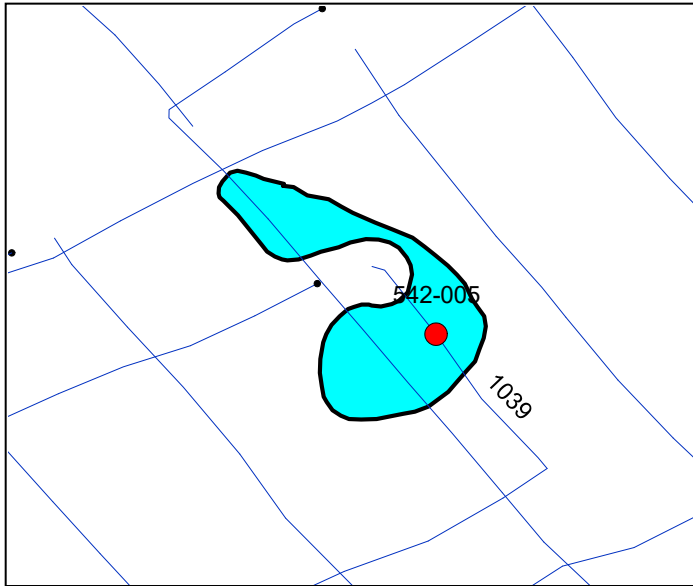
542-005

Generel info:
Postglacial saltvandssand

Pos. boring (WGS84 zone 32):
542-005-01 : 560084,56 ; 6163340,68

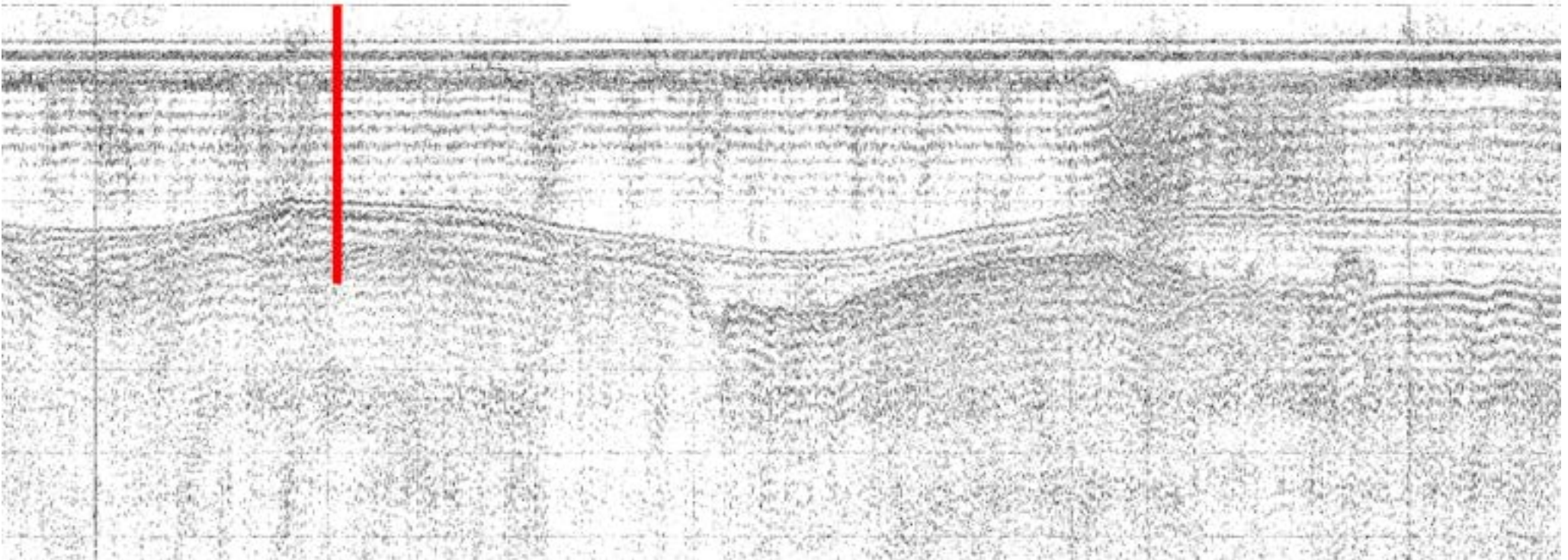
Vanddybde 13m

Seismiske linjer: 1039

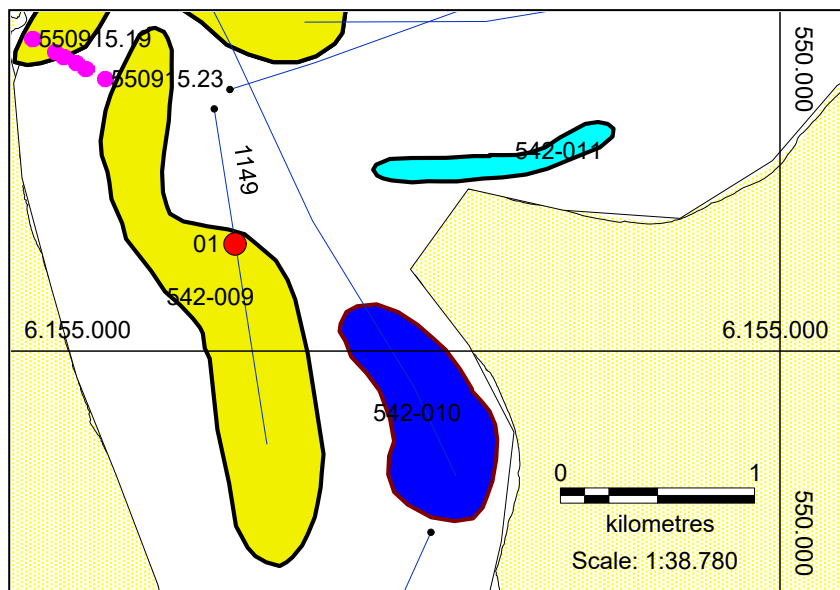


542-005-01

542-005-1039



542-009



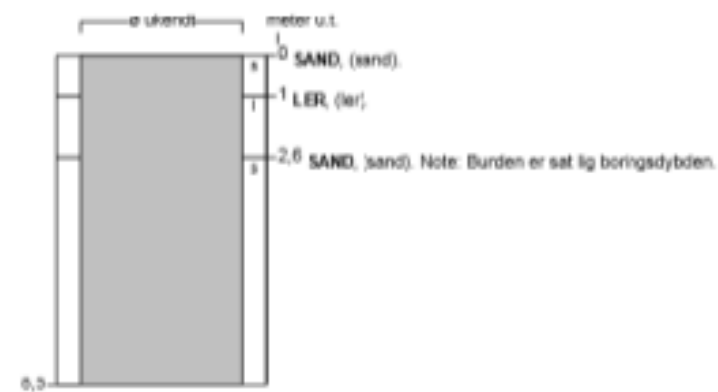
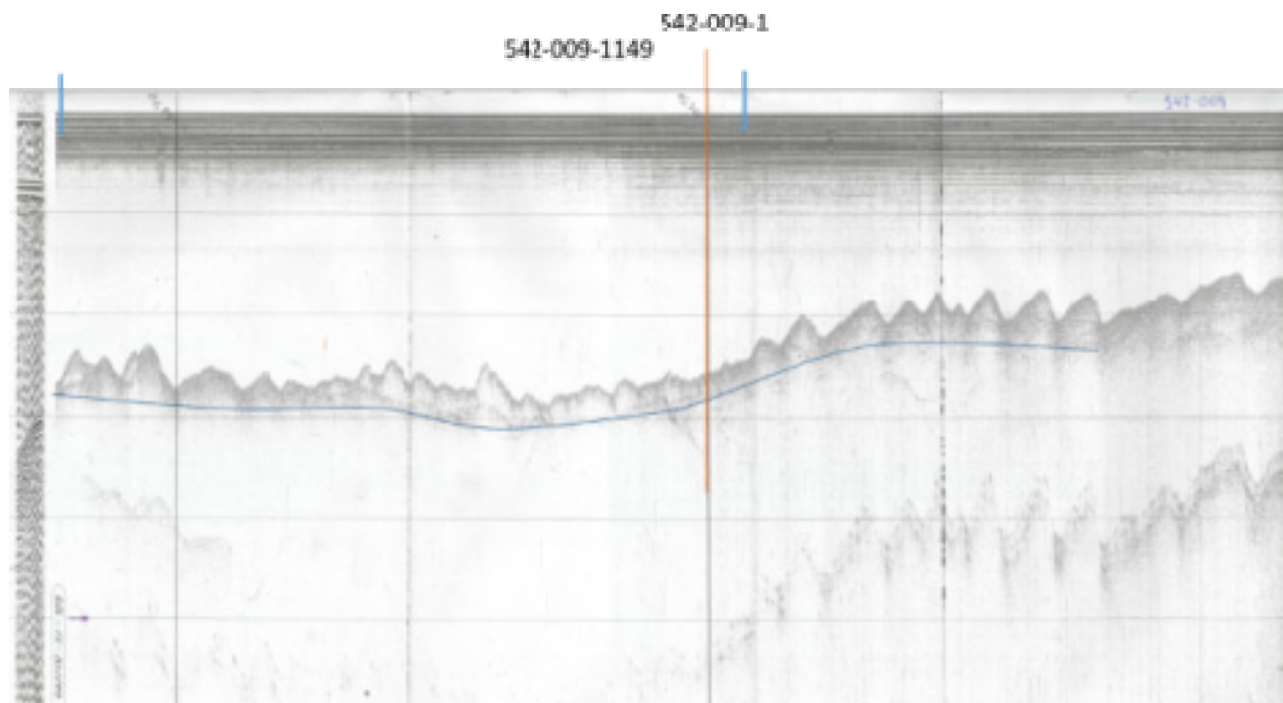
Generel info:
Postglacial saltvandssand

Pos. boring (WGS84 zone 32):
542-009-01 : 547115,62 ; 6155344,72

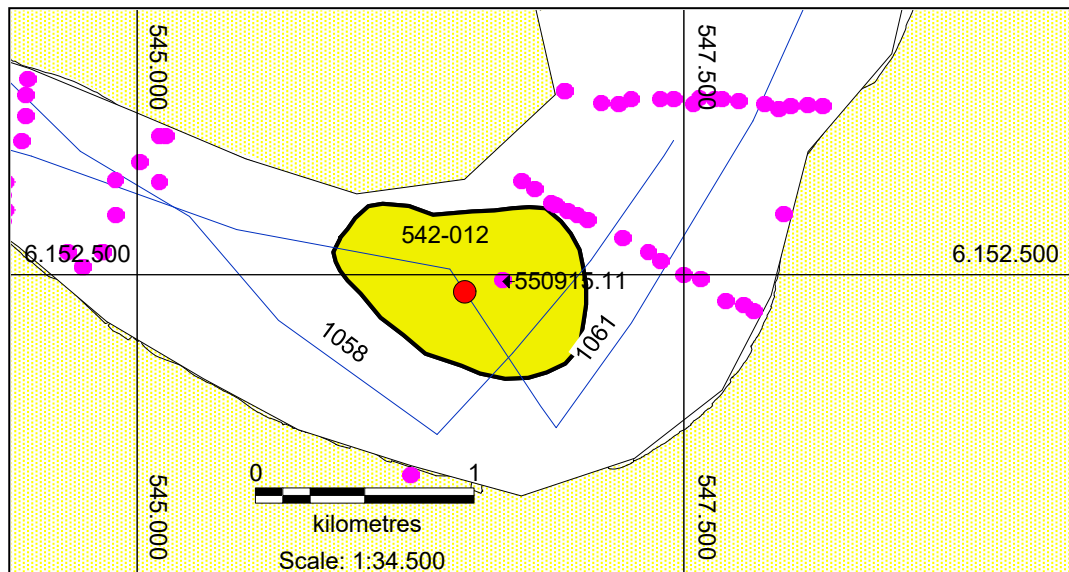
Vanddybde 20m

Seismiske linjer: 1149

Eksisterende boring: 550915.23



542-012



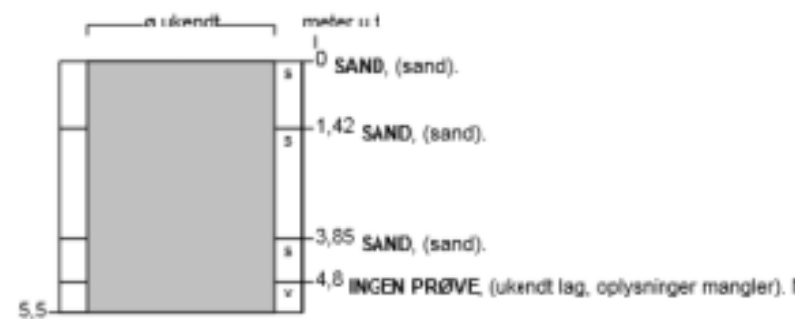
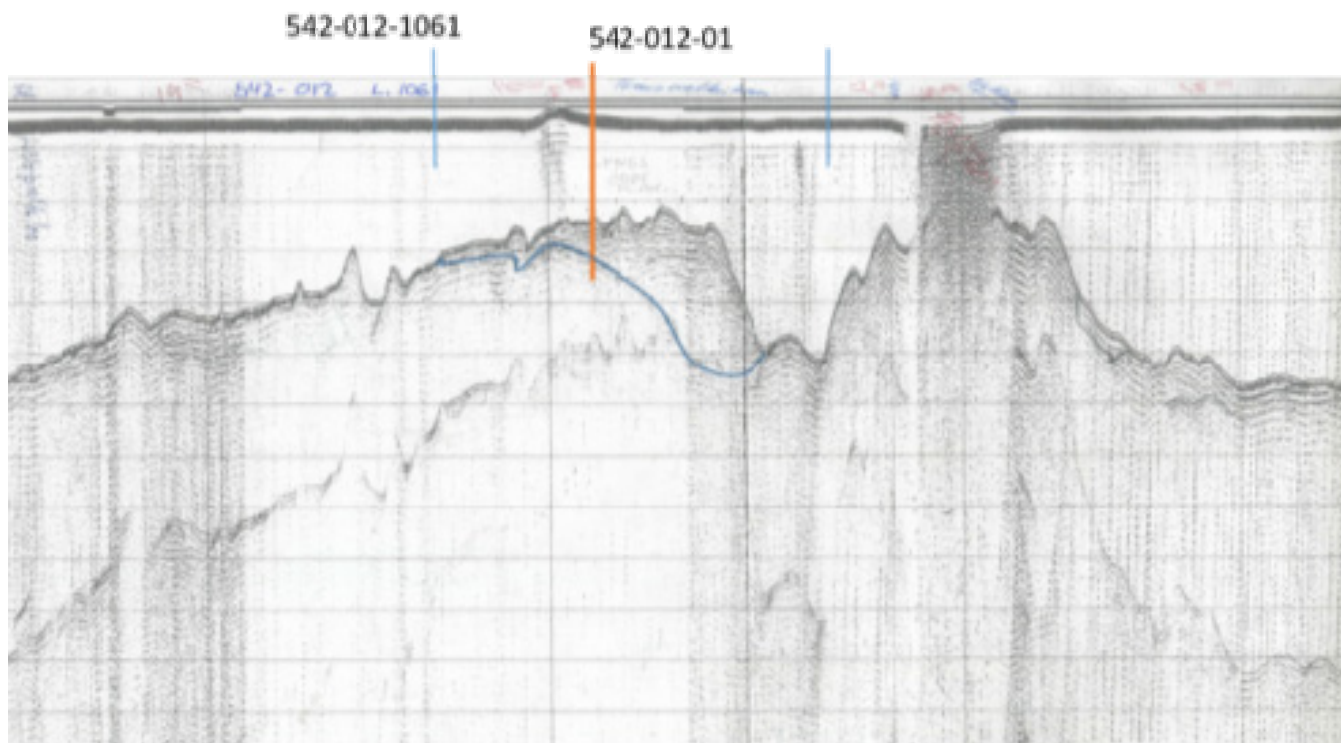
Generel info:
Postglacial saltvandssand

Pos. Boring (WGS84 zone 32):
542-012-01: 546414,61 ; 6152215,73

Vanddybde: 18 m

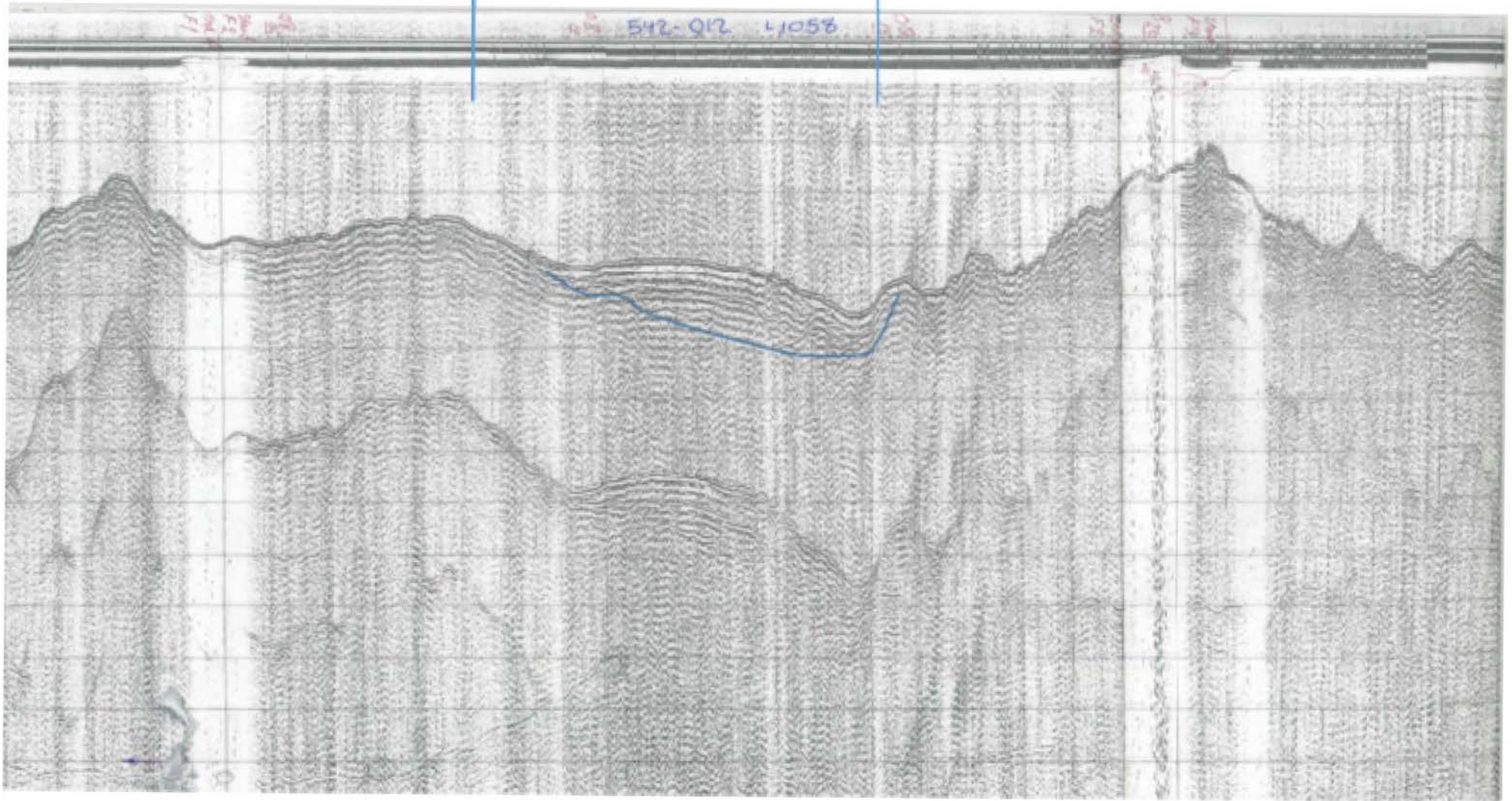
Seismiske linjer: 1058, 1061

Eksisterende boring: 550915.11

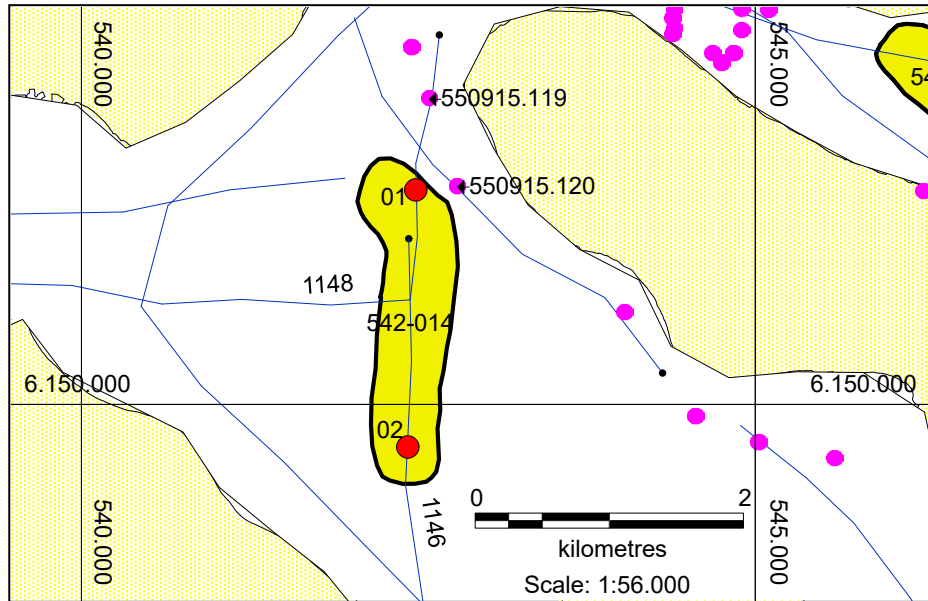


542-012-1058

542-012 41058



542-014



Generel info:
Postglacial saltvandssand

Pos. Boring 01 (WGS84 zone 32) :
544-014-01: 542338,64 ; 6149478,76

Vanddybde: 14m

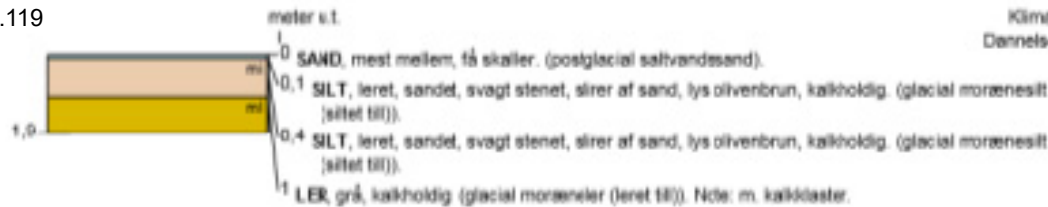
544-014-02: 542397,64 ; 6151386,74

Vabddybde: 20m

Seismiske linjer: 1148, 1146

Eksisterende boring: 550915.119, 550915.120

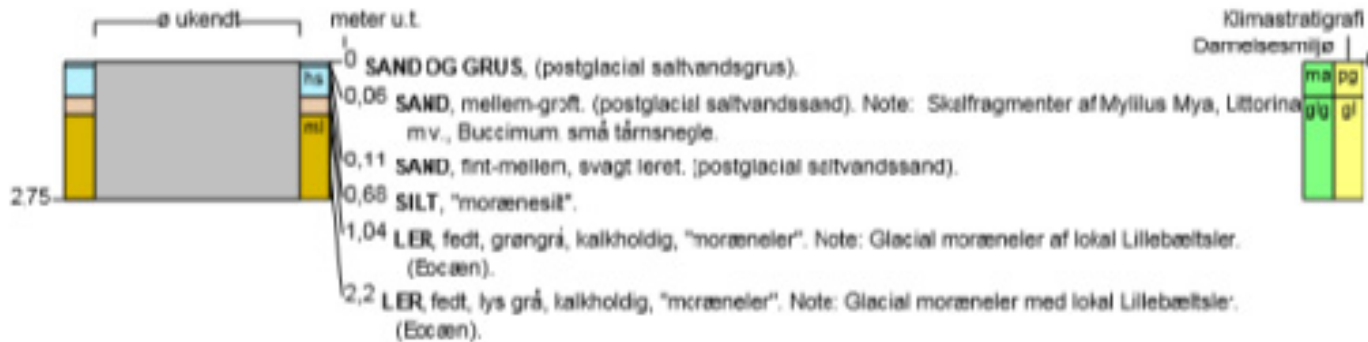
550815.119



Aflejringsmiljø - Alder (klima-, krono-, litho-, biostratigrafi)

meter u.t.
0 - 0,1 marin - postglacial
0,1 - 1,9 glacial - glacial

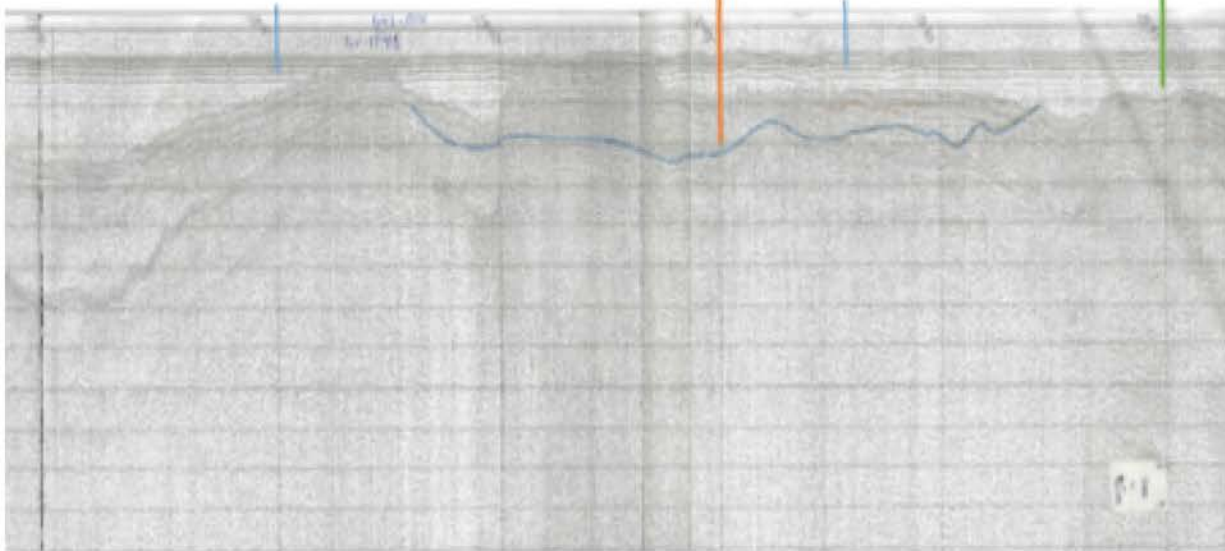
550915.120



542-014-1148

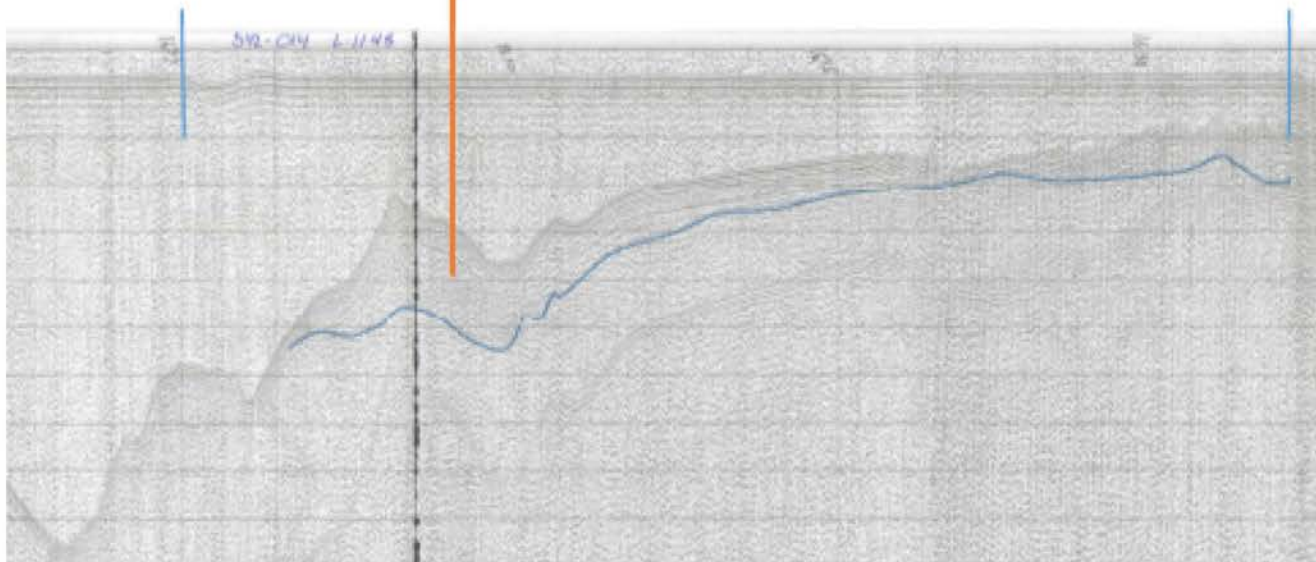
542-014-01

550915.119



542-014-1146

542-014-02



542-030

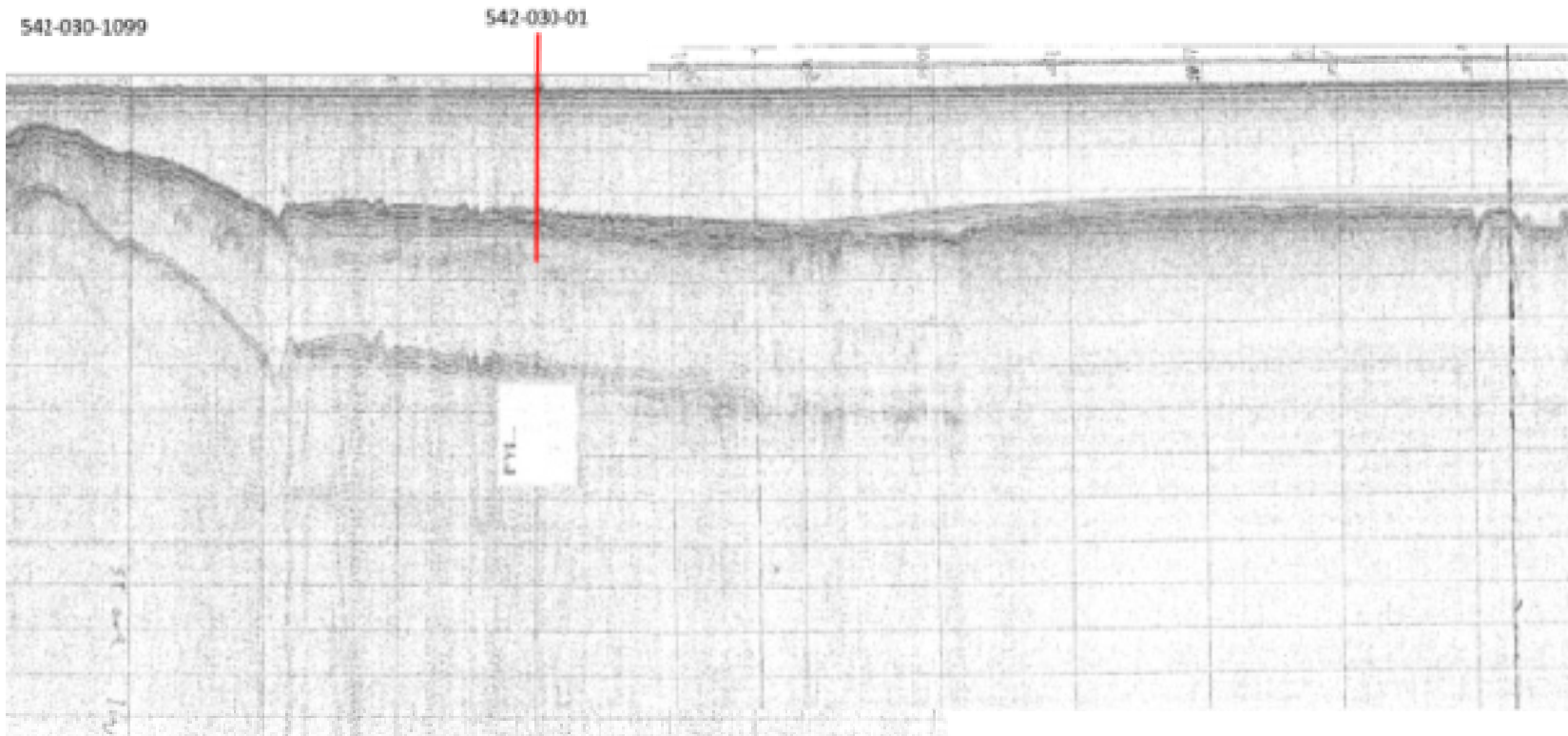
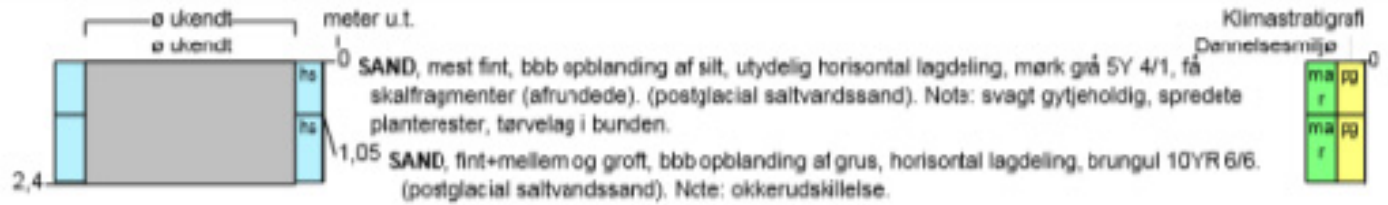
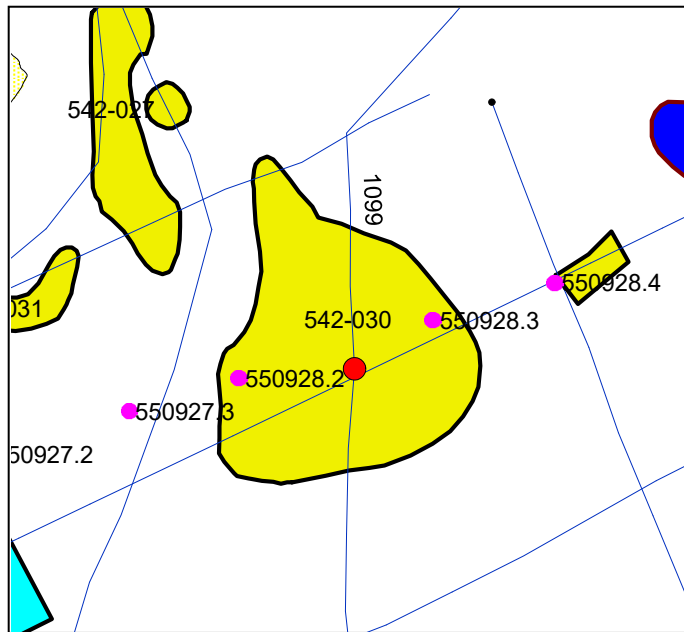
Generel info:
Postglacial saltvandssand

Pos. boring (WGS84 zone 32):
542-030-01 : 548946,61 ; 6118399,91

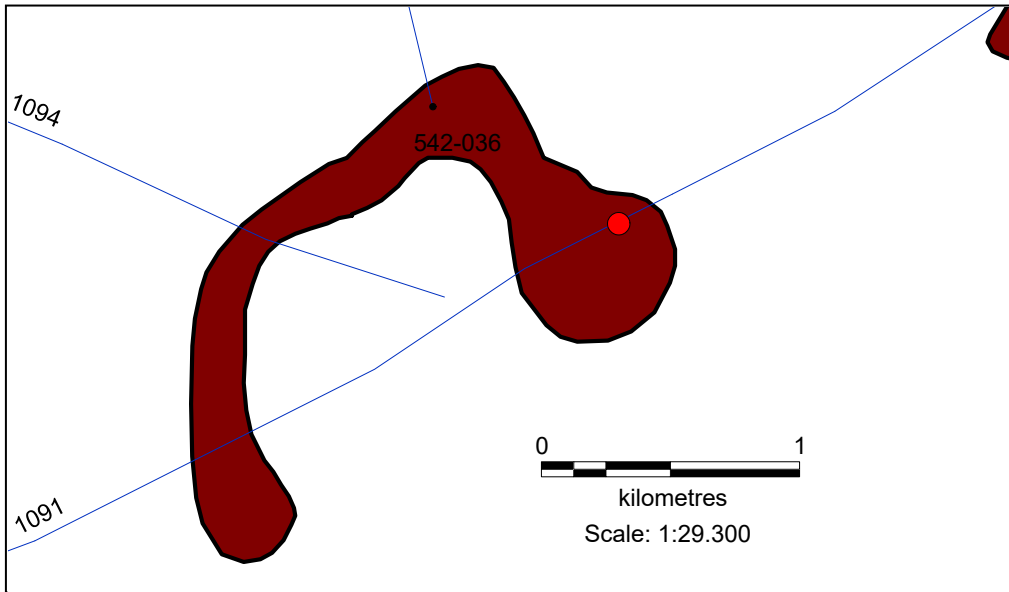
Vanddybde 20m

Seismiske linjer: 1099

Eksisterende boring: 550928.3



542-036



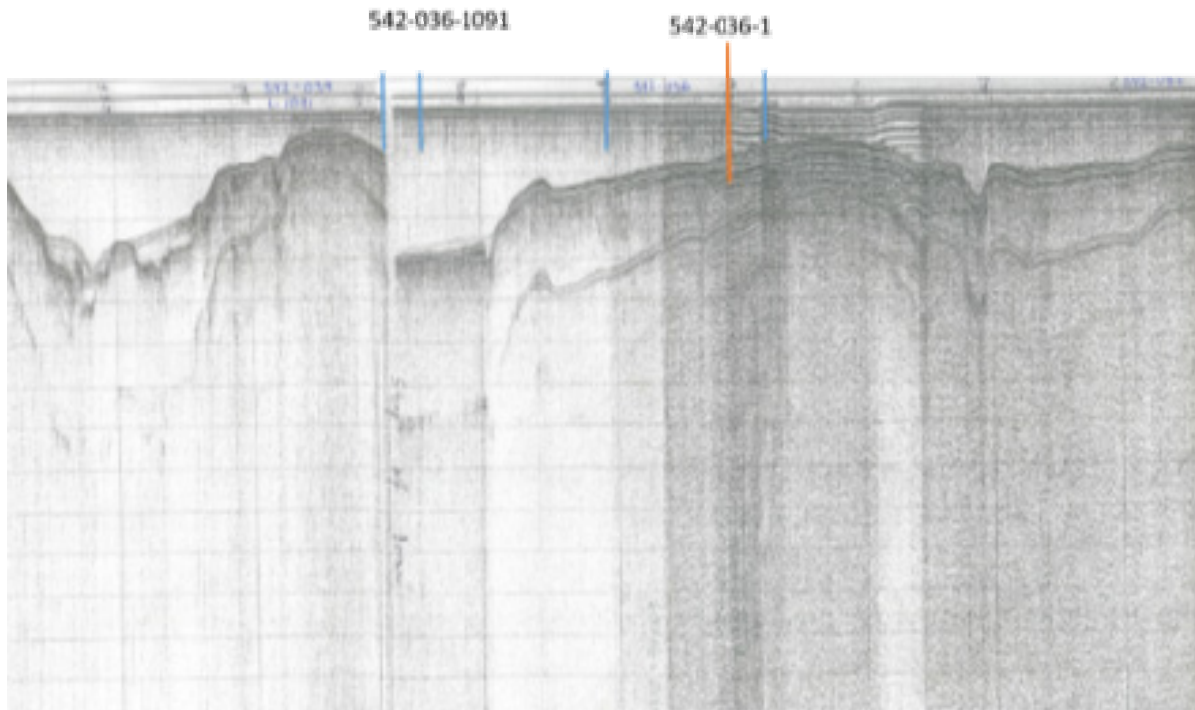
Generel info:
Postglacial saltvandsgrus.

Pos. Boring (WGS84 zone 32) :
542-036-1) 541478,64; 6109106,96

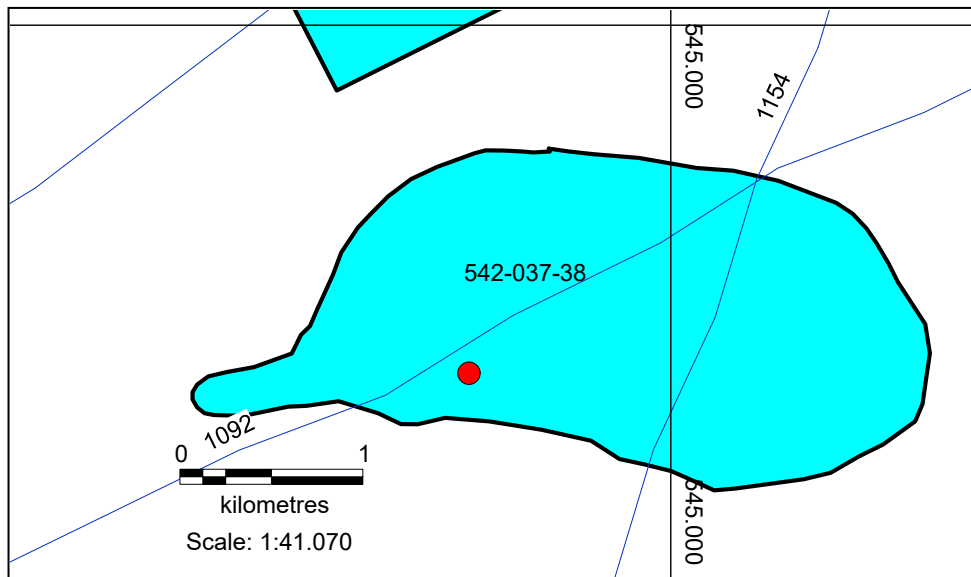
Vanddybde: 8m

Seismiske linjer: 1091

Eksisterende boring:



542-037+038



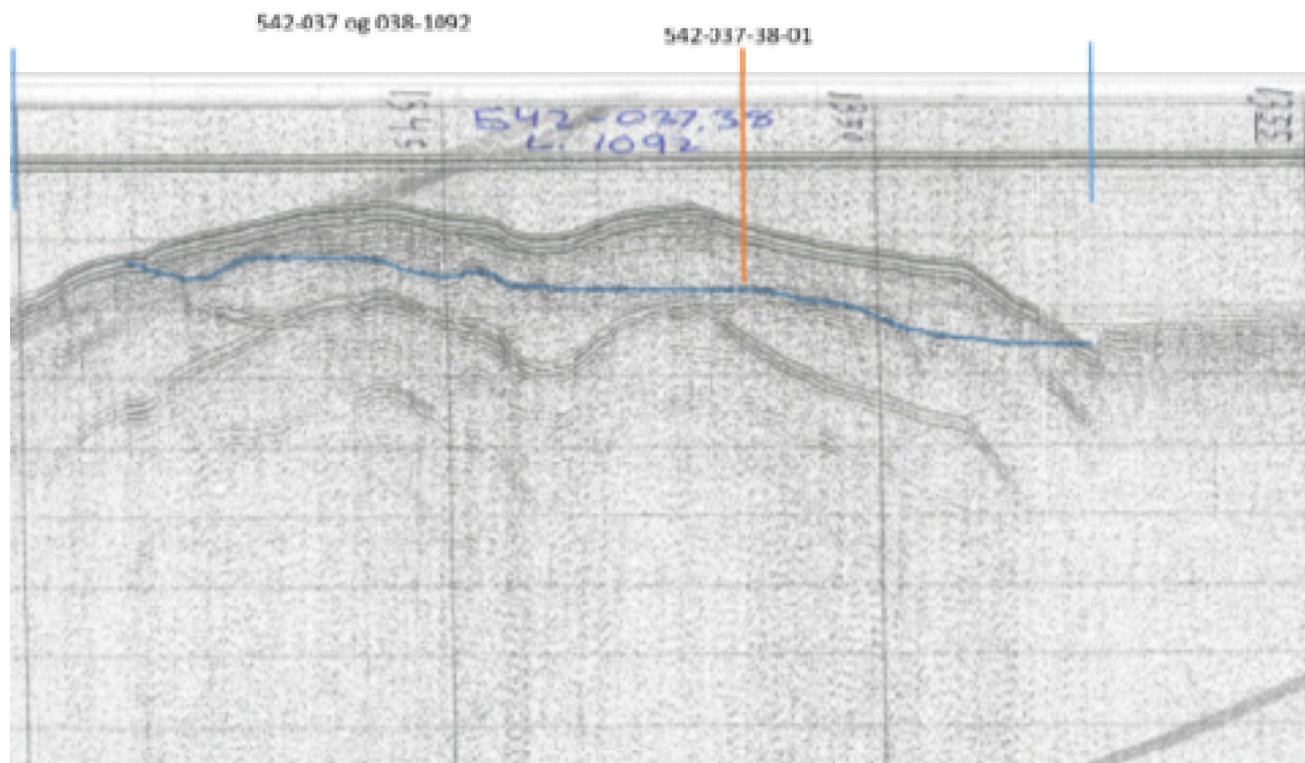
Generel info:
Postglacial saltvandssand

Pos. Boring (WGS84 zone 32): 543901,63; 6113105,94

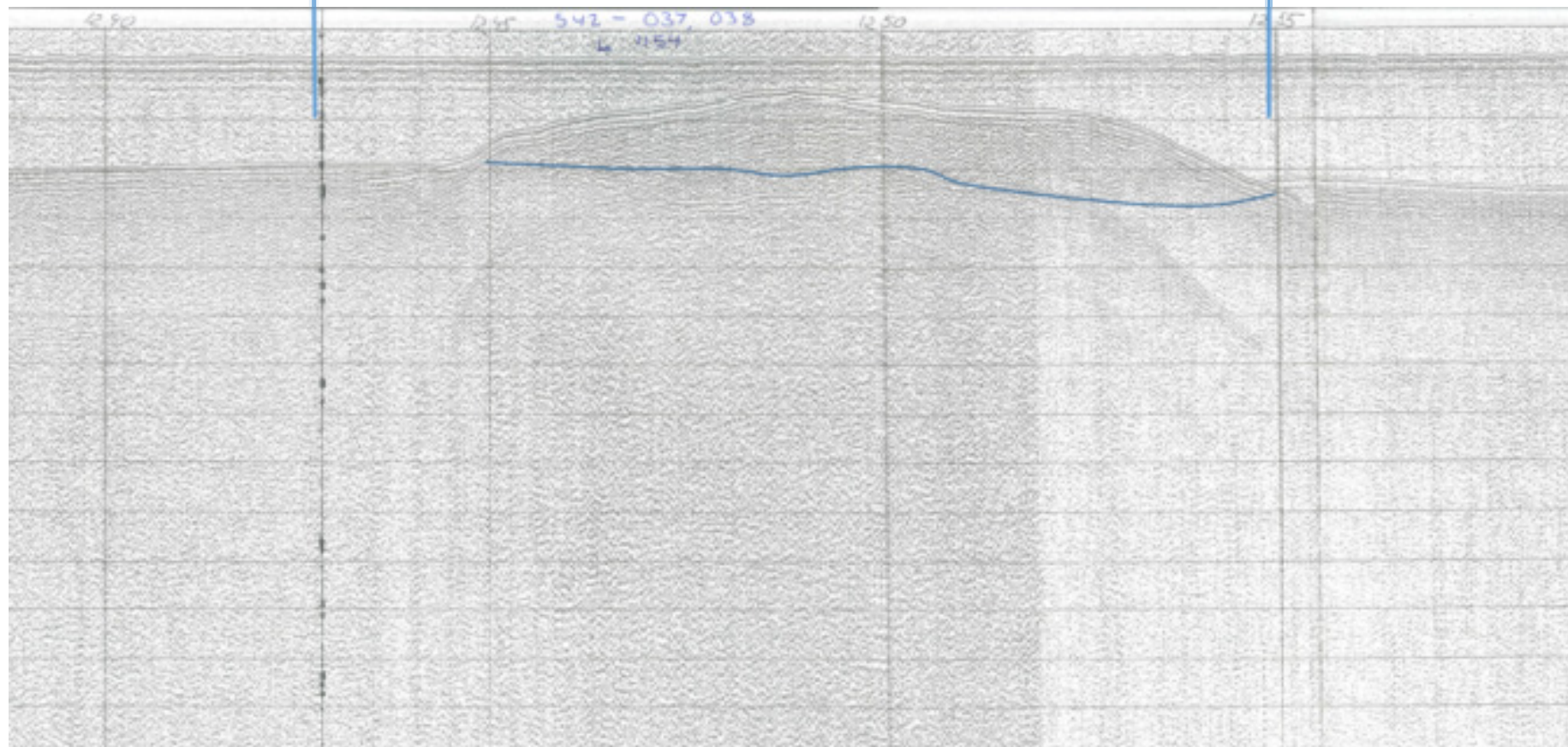
Vanddybde: 16 m

Seismiske linjer: 1154,1092

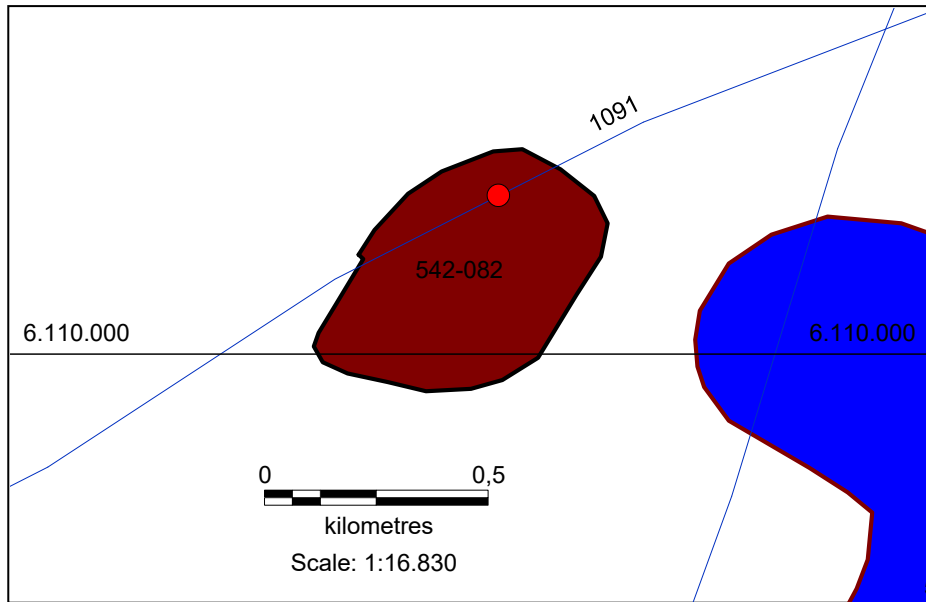
Eksisterende boring:



542-037og 038-1154



542-082



Generel info:
Postglacial saltvandsgrus

Pos. Boring 01 (WGS84 zone 32) : 543321,63; 6110148,95

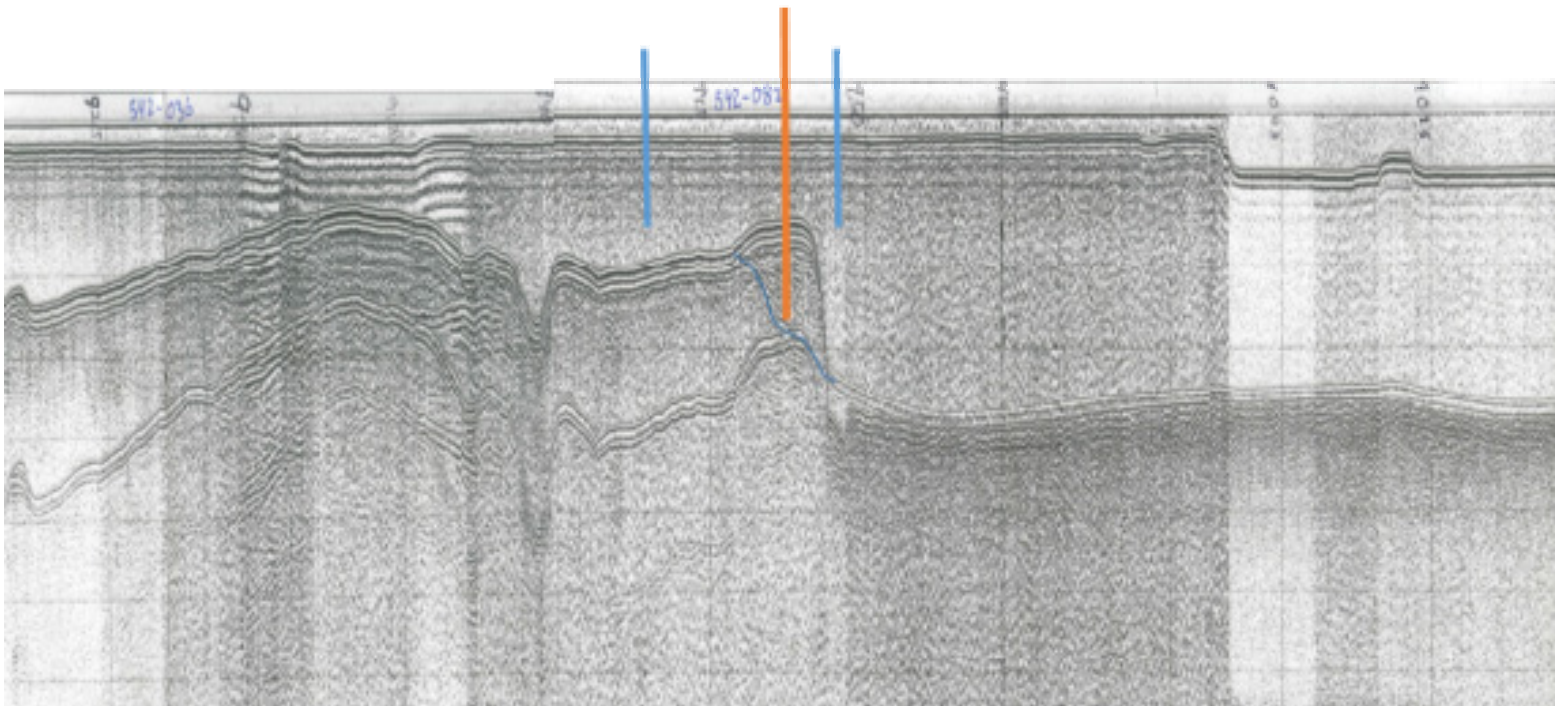
Vanddybde: 17m

Seismiske linjer: 1091

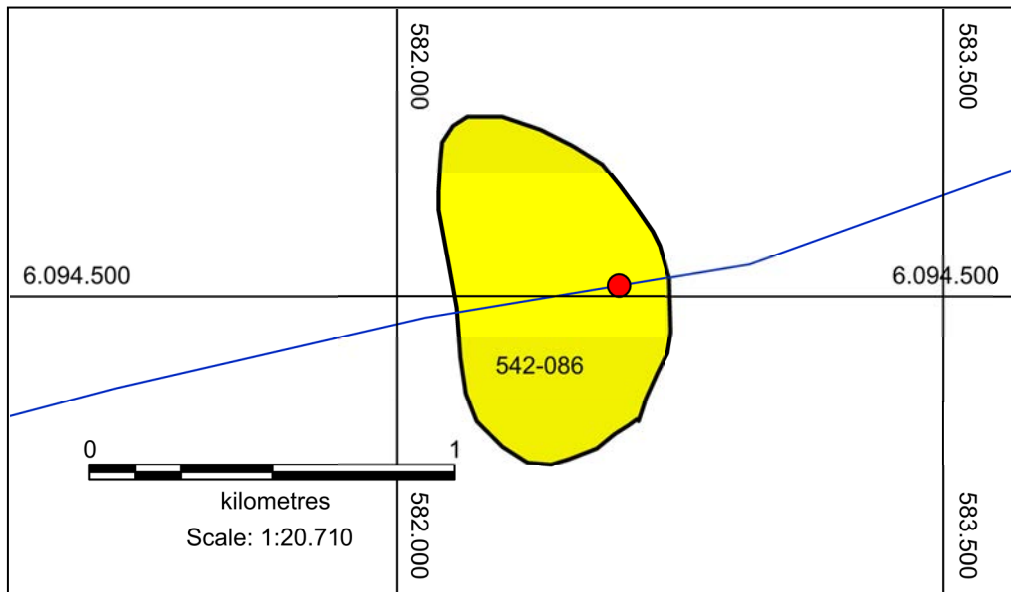
Eksisterende boring:

542-082-1091

542-082-01



542-086



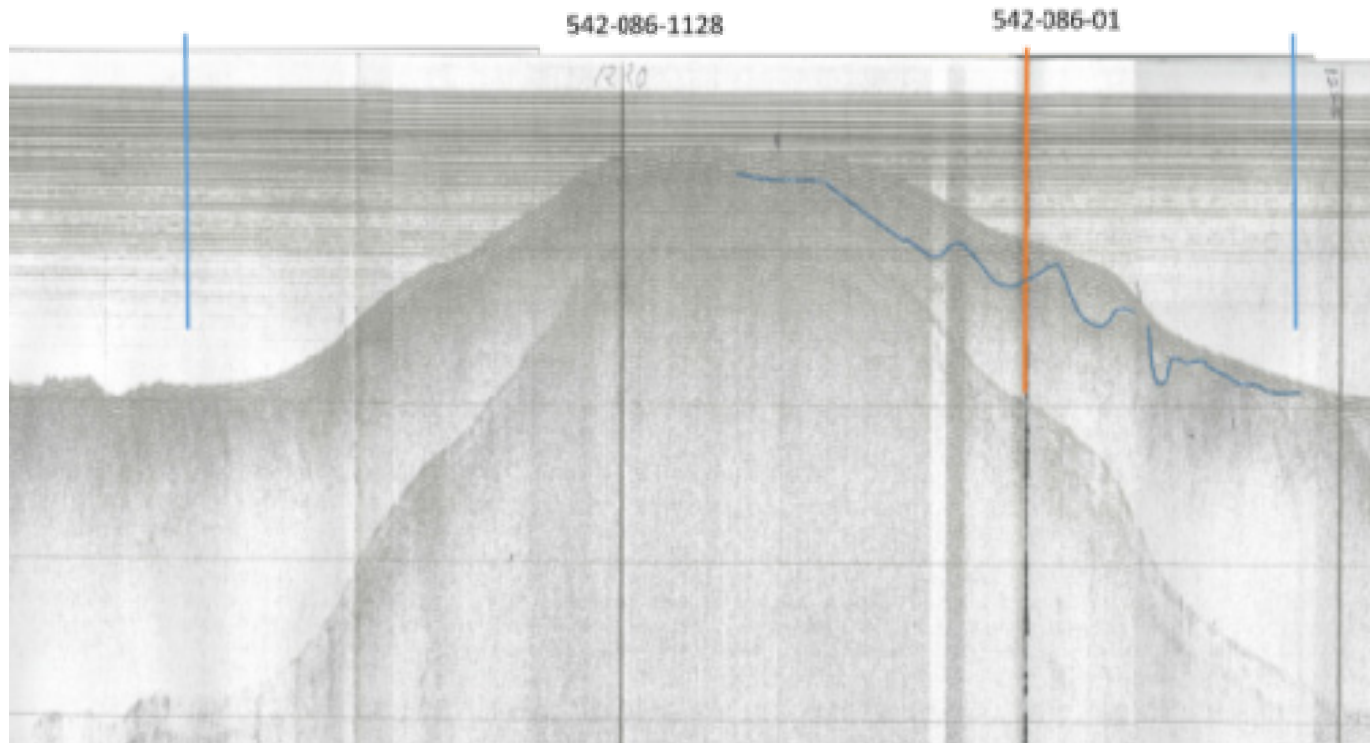
Generel info:
Postglacial saltvandssand

Pos. Boring (WGS84 zone 32) : 582527,44; 6094324,03

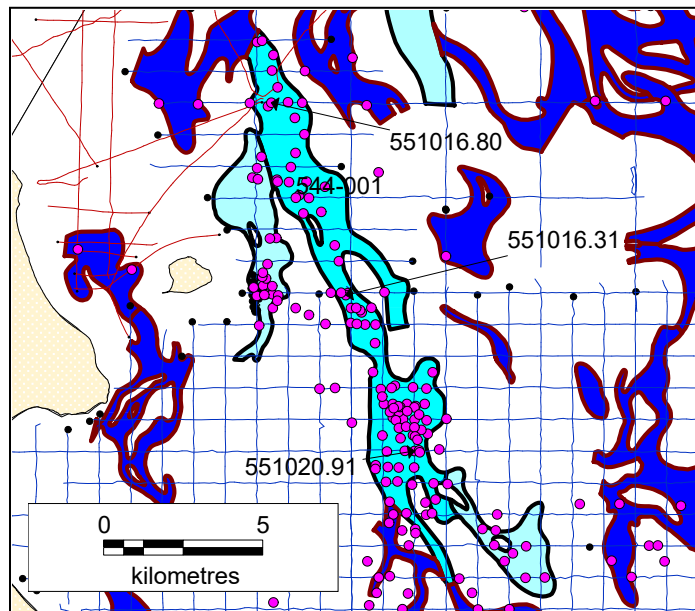
Vanddybde 10 m

Seismiske linjer: 1091

Eksisterende boring:



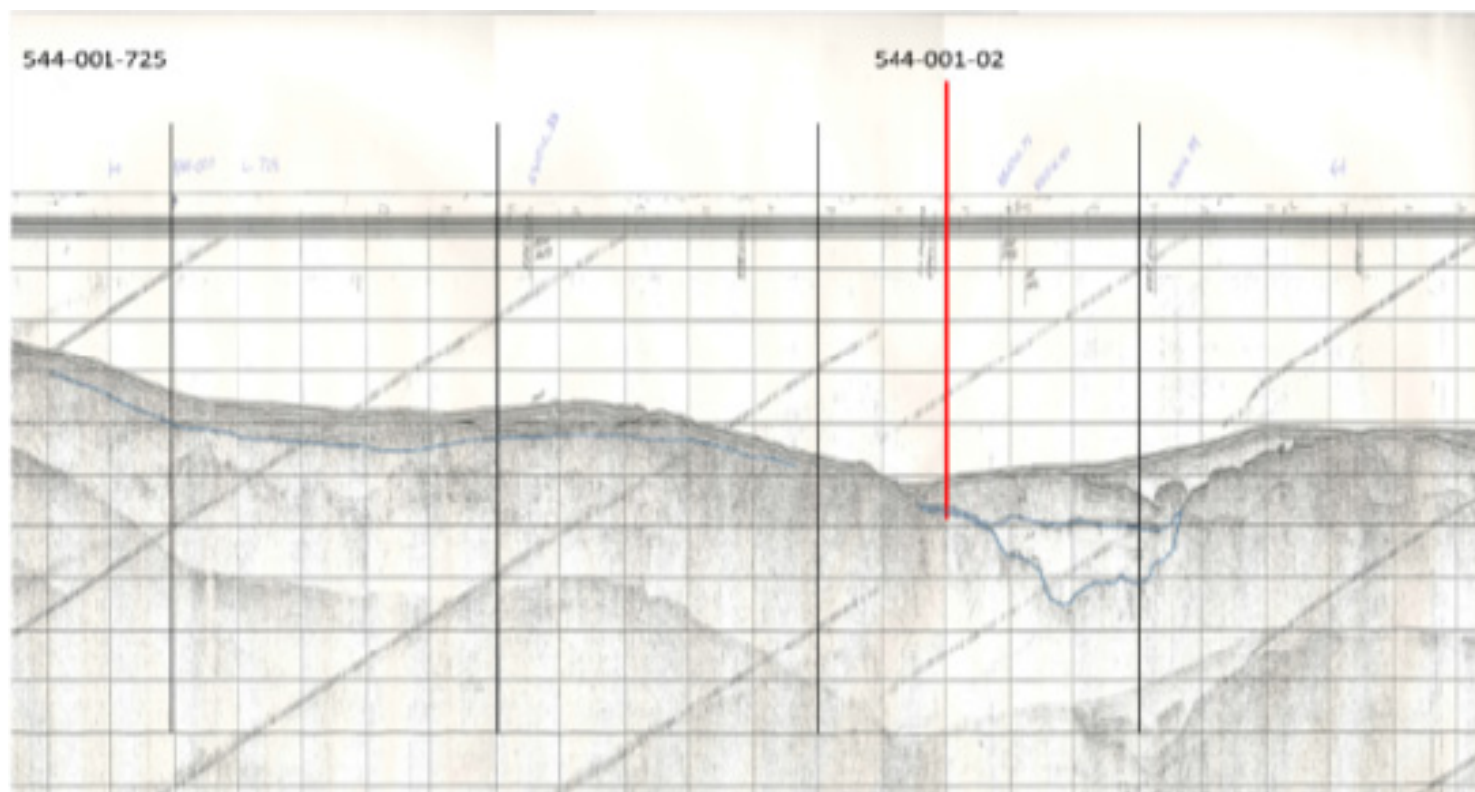
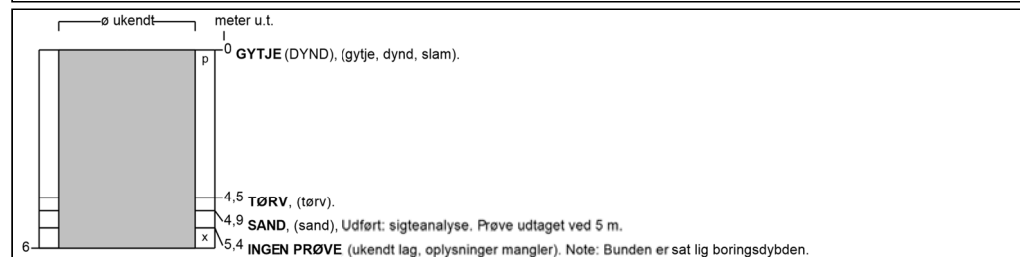
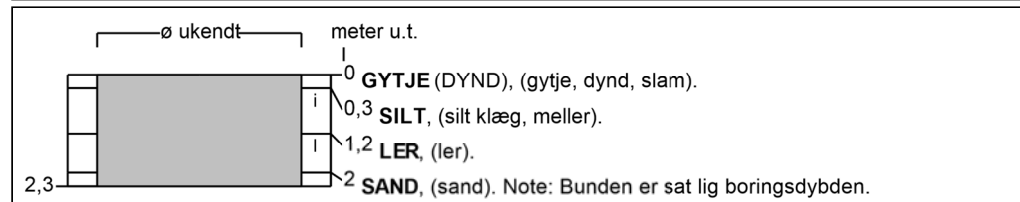
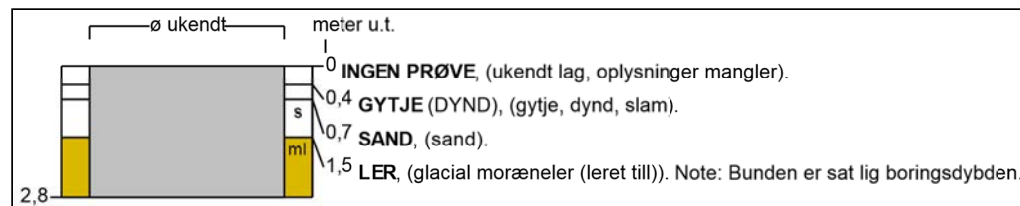
544-001



Generel info:
Grus
vanddybde: 24-40m

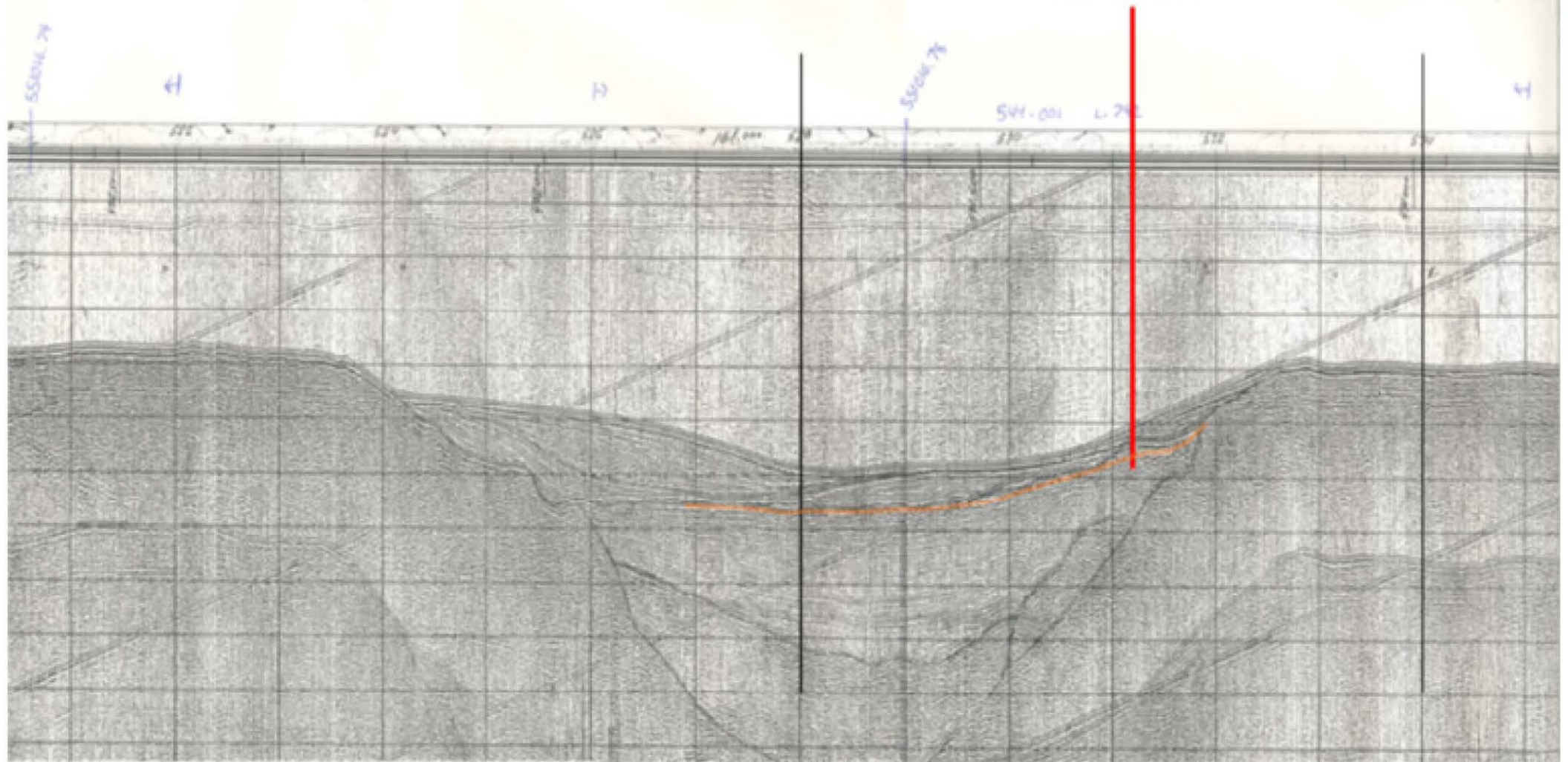
Pos. boring (WGS84
zone32):
544-001-01:
615230,28; 6159870,7
vanddybde 36,7m

544-001-02:
618056,26; 6152923,73
vanddybde 35,6m

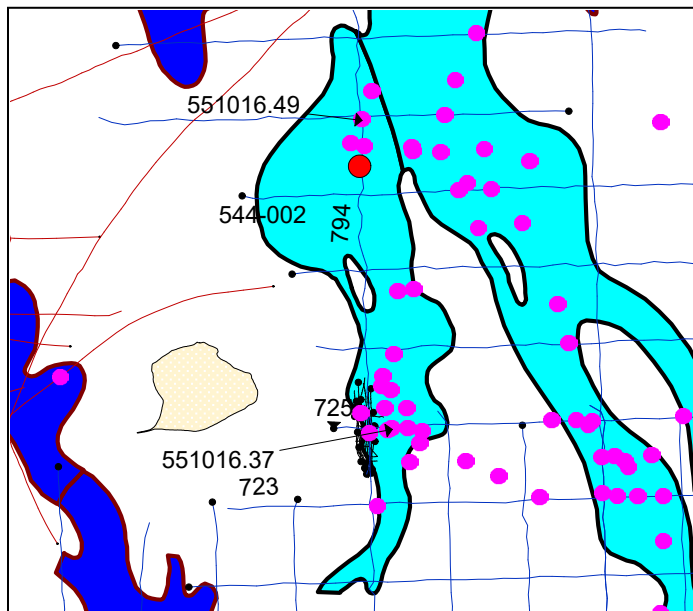


544-001-792

544-001-01



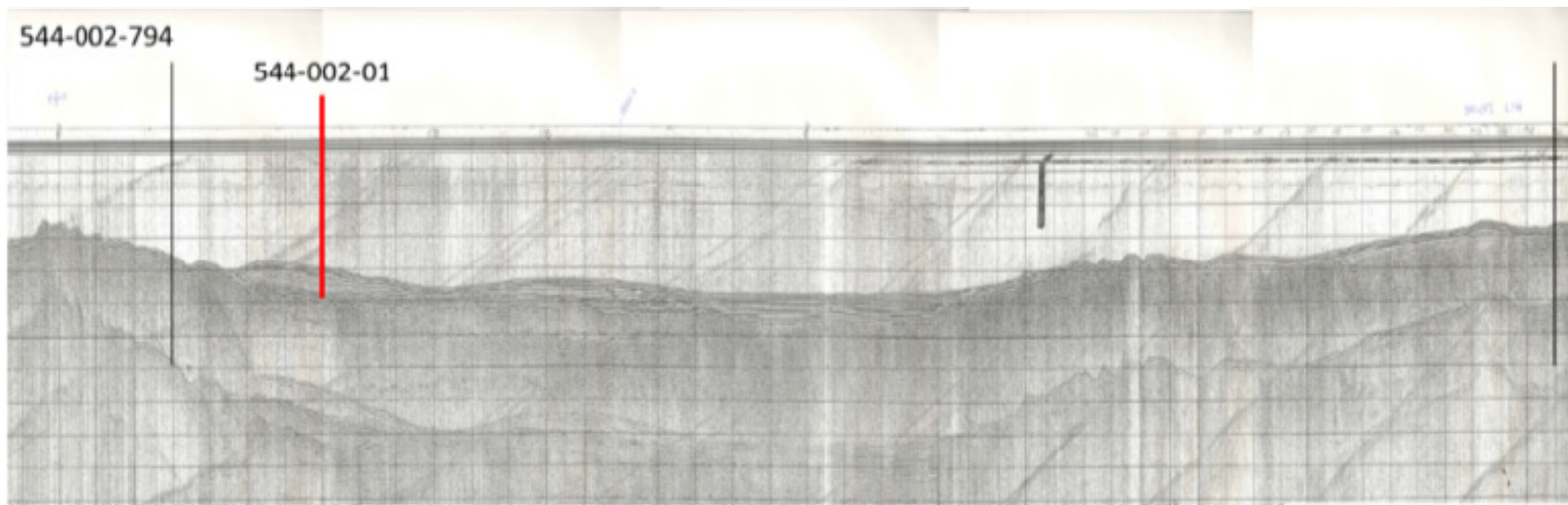
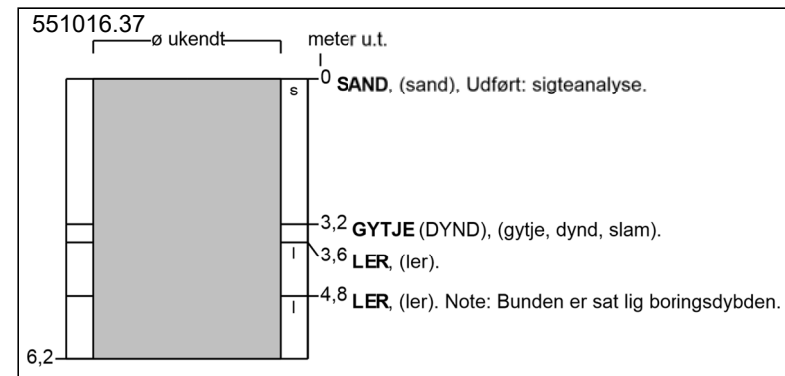
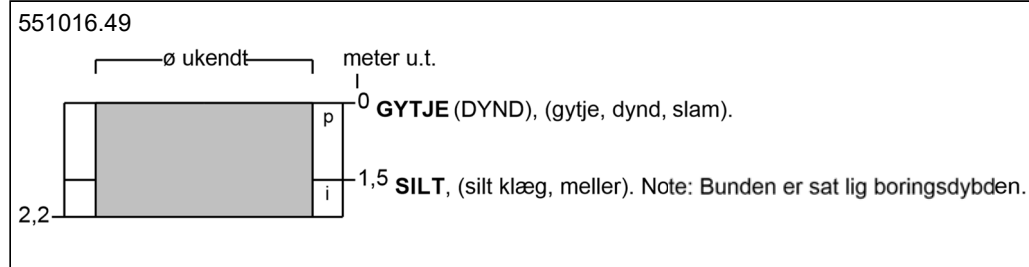
544-002



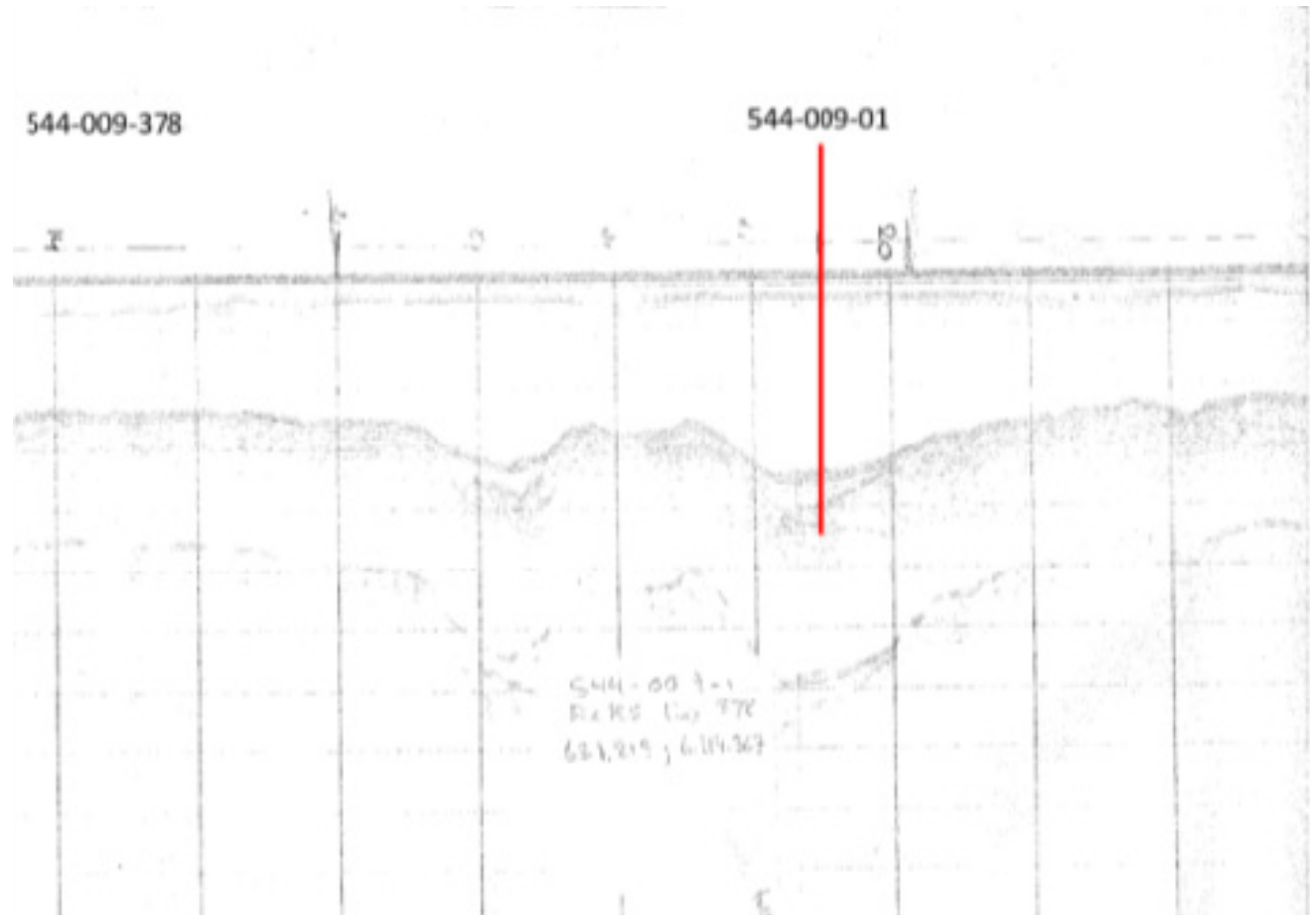
Generel info:
Grus
vanddybde: 10-30m

Pos. boringer (WGS84 zone 32):

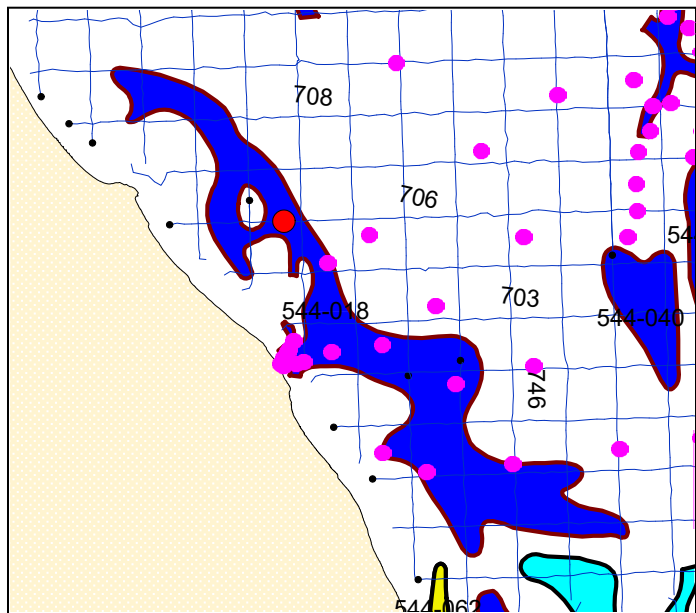
544-002-01:
615009,28; 6156191,72 vanddybde 33,5m



Pos. boring (WGS84 zone 323):
544-009-01:
631219, 6114367 vanddybde 15-20m



544-018



Generel info:

sand

vanddybde: omkring 3-22m

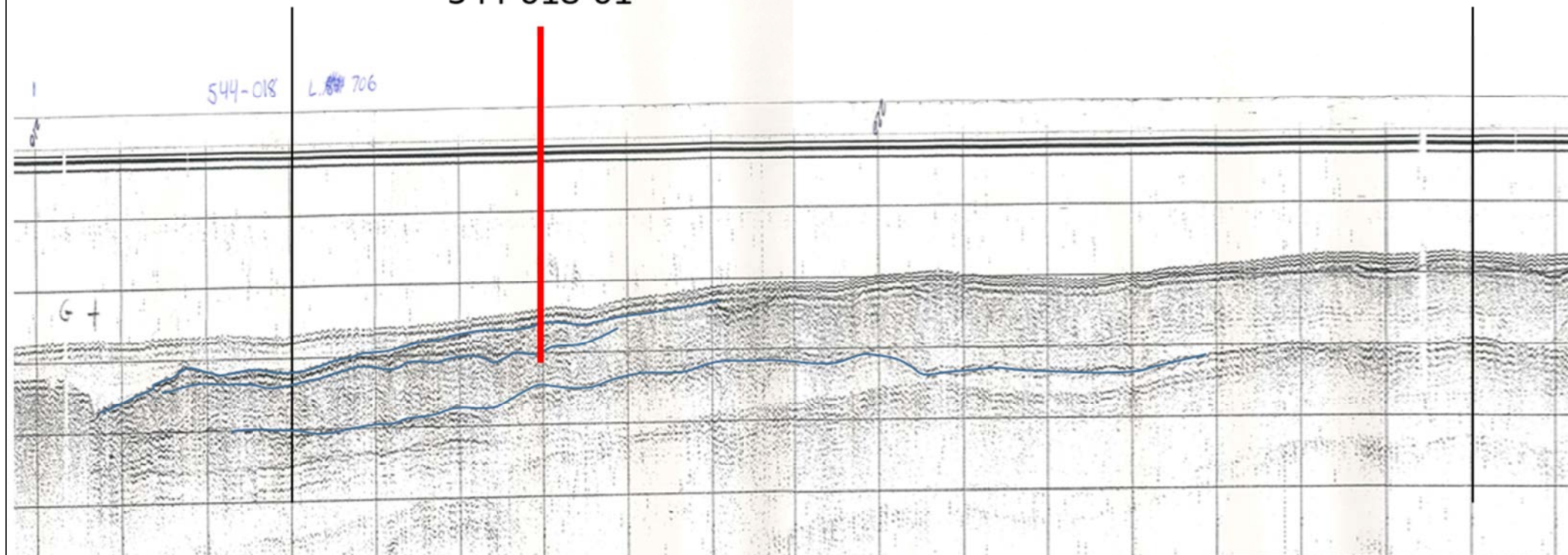
Pos. boring (WGS84 zone 32):

544-018-01:612100,29 ; 6141750,78

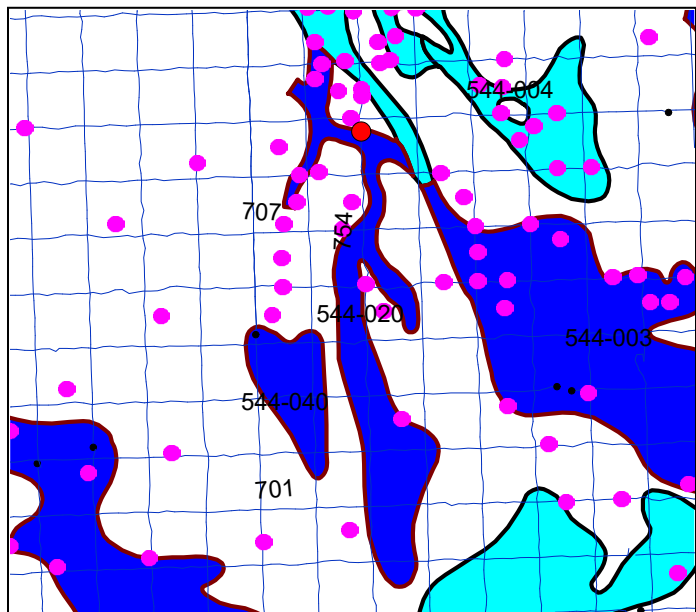
vanddybde 15,3m

544-018-706

544-018-01



544-020

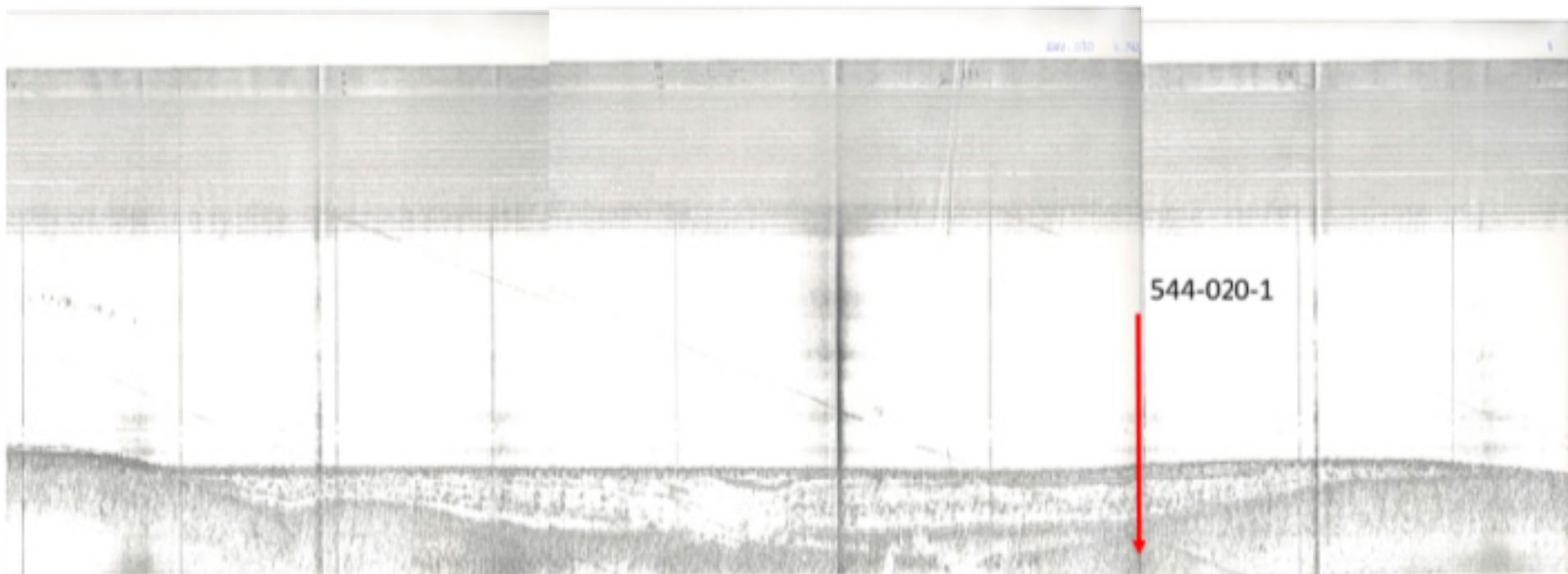


Generel info:
sand

Pos. boring (WGS84 zone 32):
544-020-01: 621.137,27 ; 6.138.026,23

vanddybde 17m

544-020-754-nord 1



544-023

Generel info:

sand

vanddybde: 5-13m

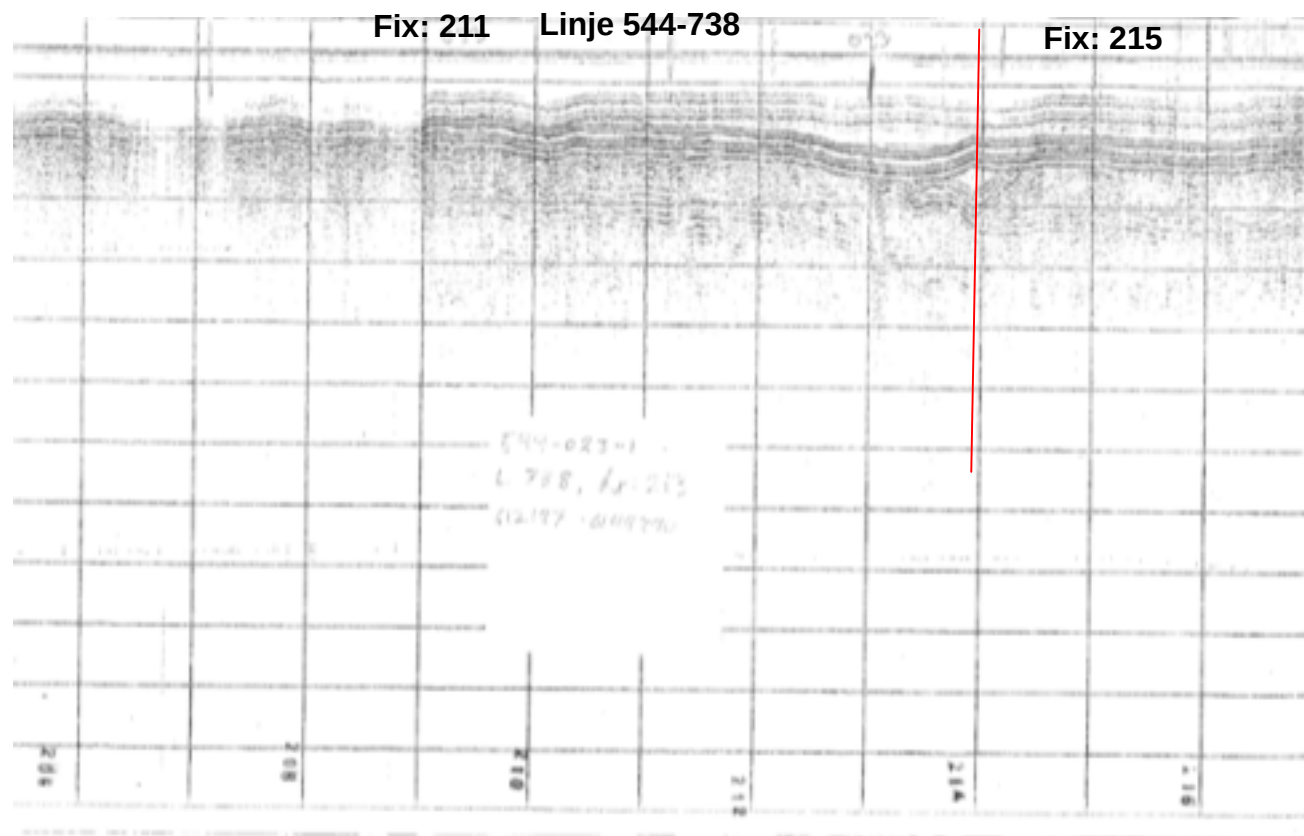
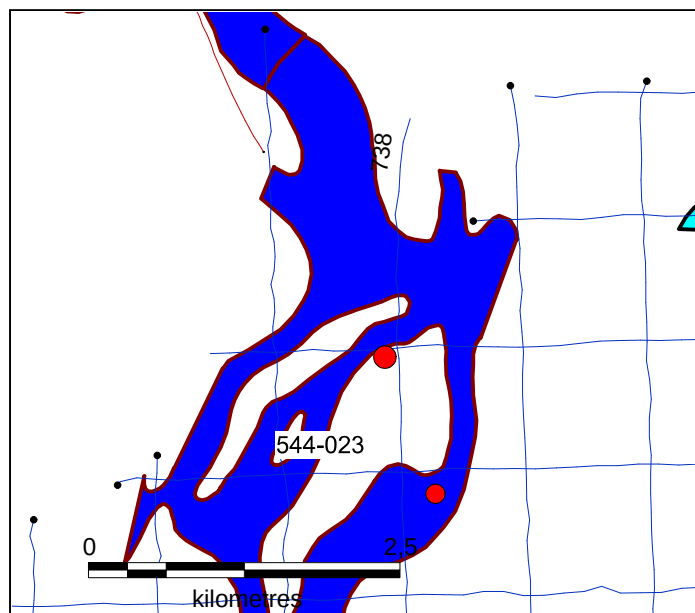
Pos. boring (WGS84 zone 32):

544-023-01: 612103,29, 6149684,74

544-023-03: 612511,29 , 6148583,7

vanddybde 15m

Seismiske linjer: 544717, 544738

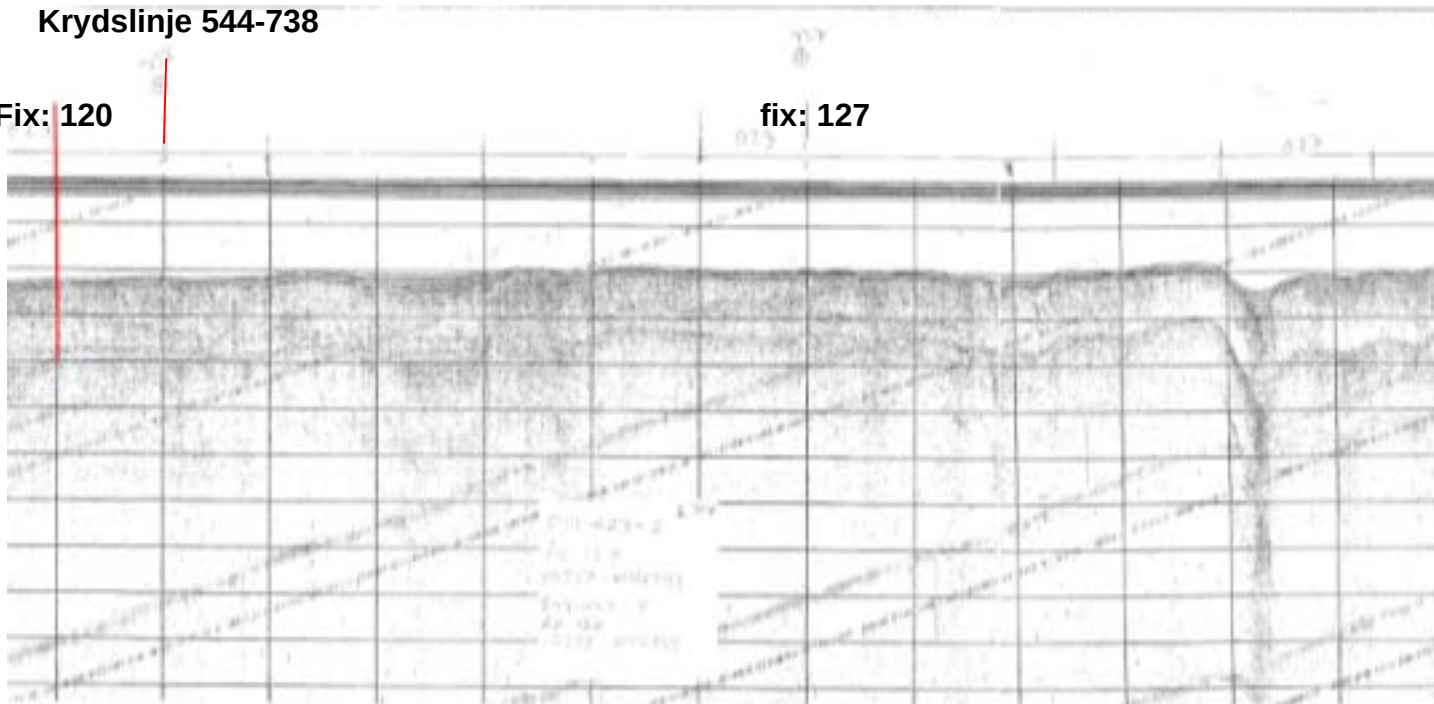


Linje 544-017

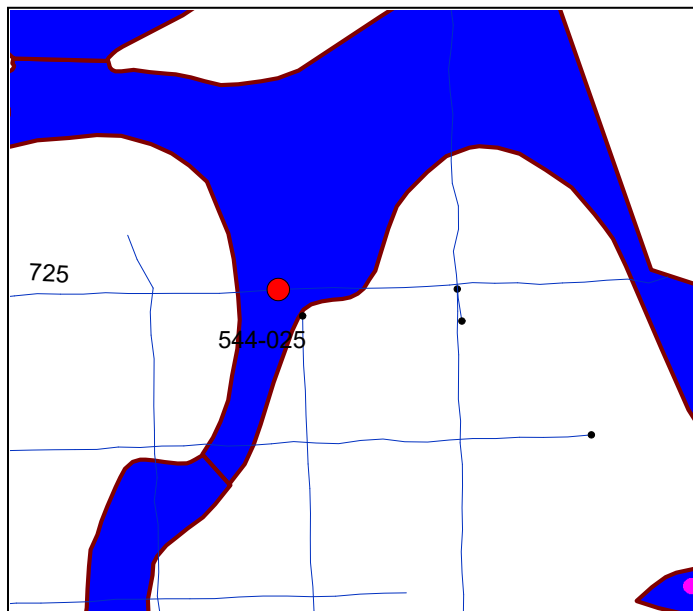
Krydslinje 544-738

Fix: 120

fix: 127



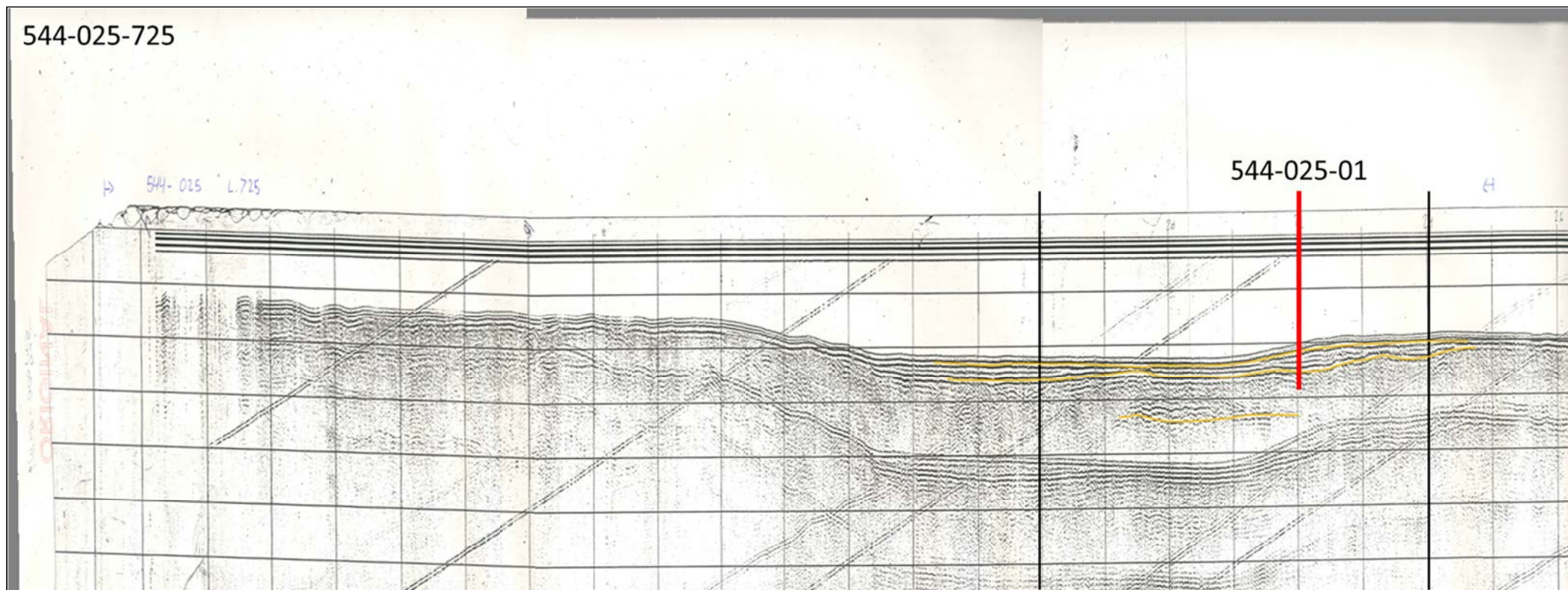
544-025



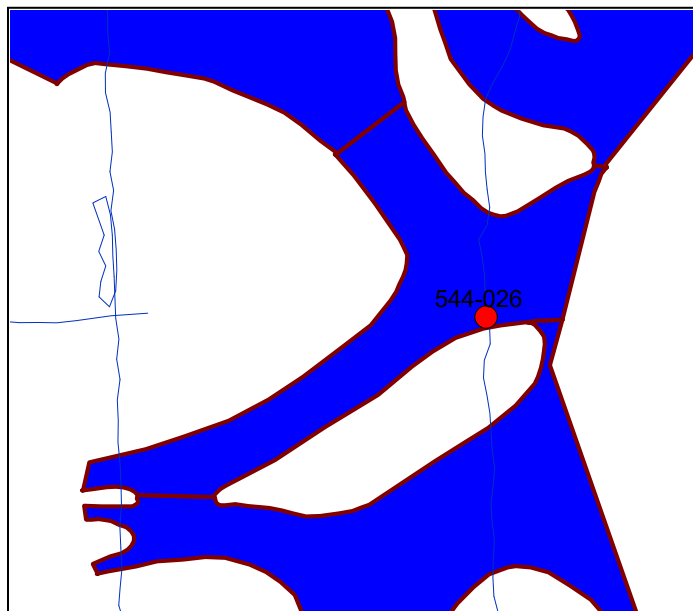
Generel info:
sand
vanddybde: 2-8m

Pos. Boring (WGS84 zone 32):
544-025-01: vanddybde 12m 628954,21; 6153240,72

544-025-725

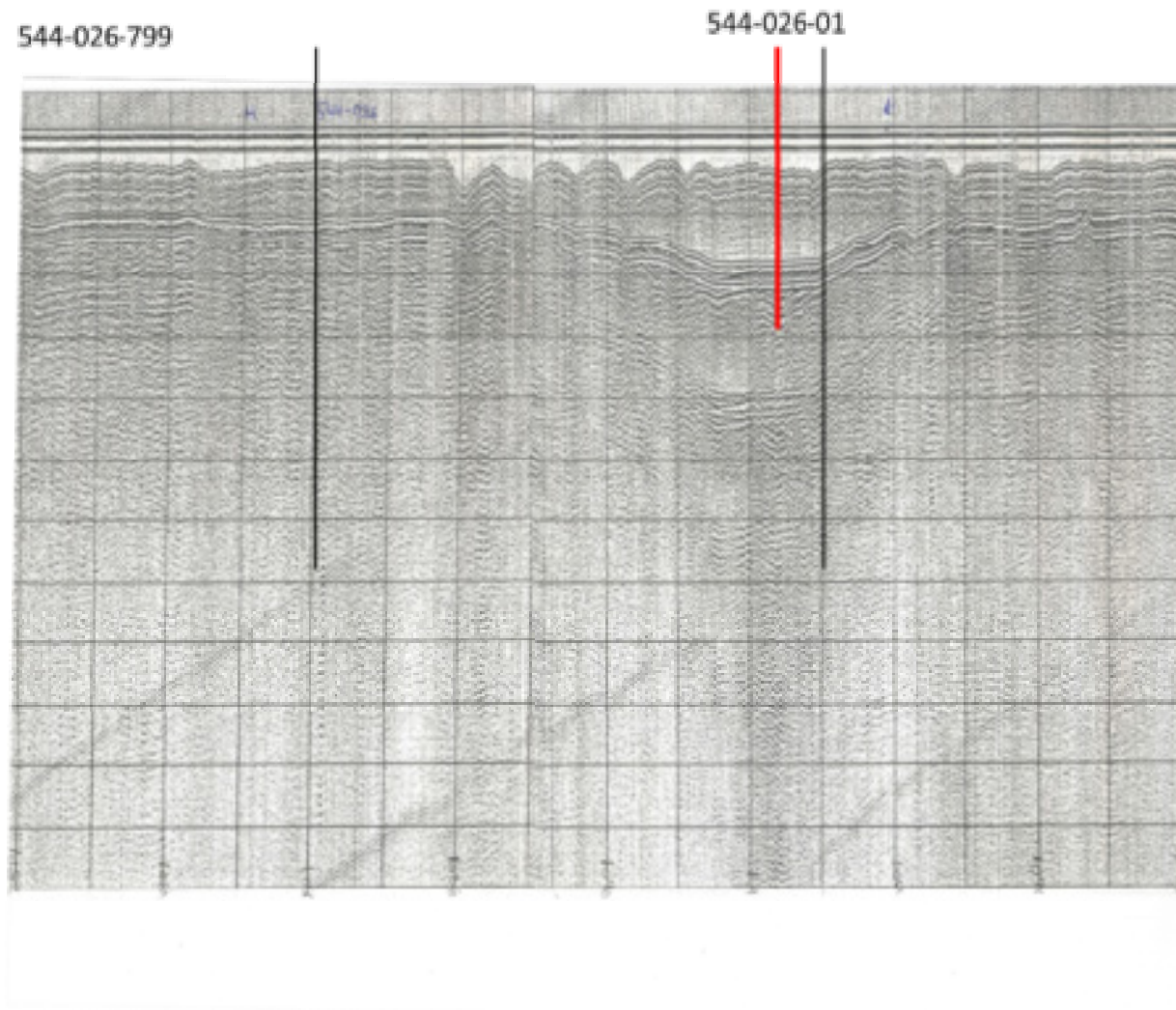


544-026

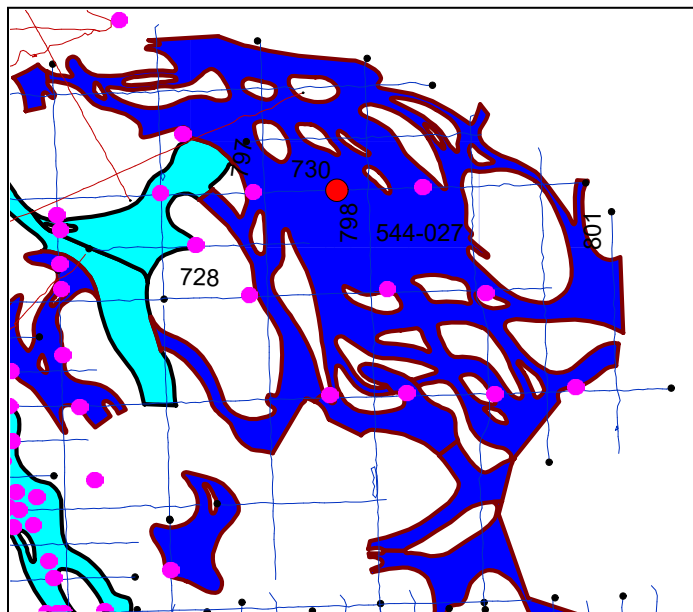


Generel info:
sand
vanddybde: 5-13m

Pos. boring (WGS84 zone 32):
544-026-01: 630029,21; 6156185,7
vanddybde 15m



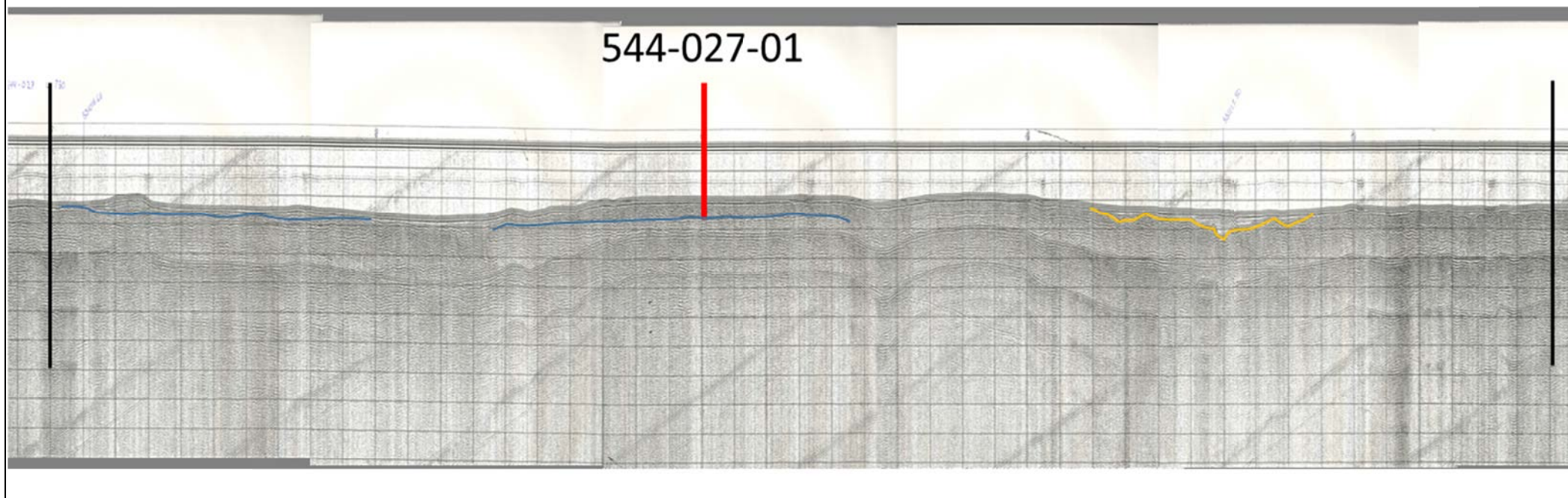
544-027



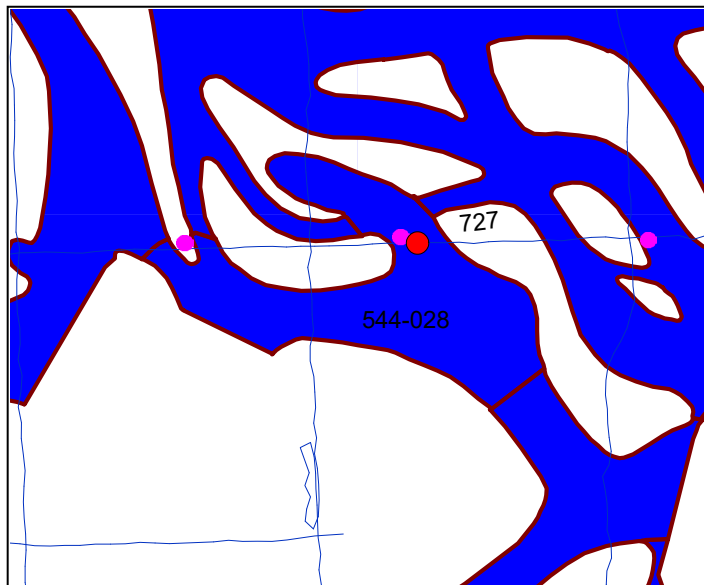
Generel info:
sand
vanddybde: 4-25m

Pos. Boring (WGS84 zone 32):
544-027-01:
625870,22; 6165148,66 vanddybde

544-027-730



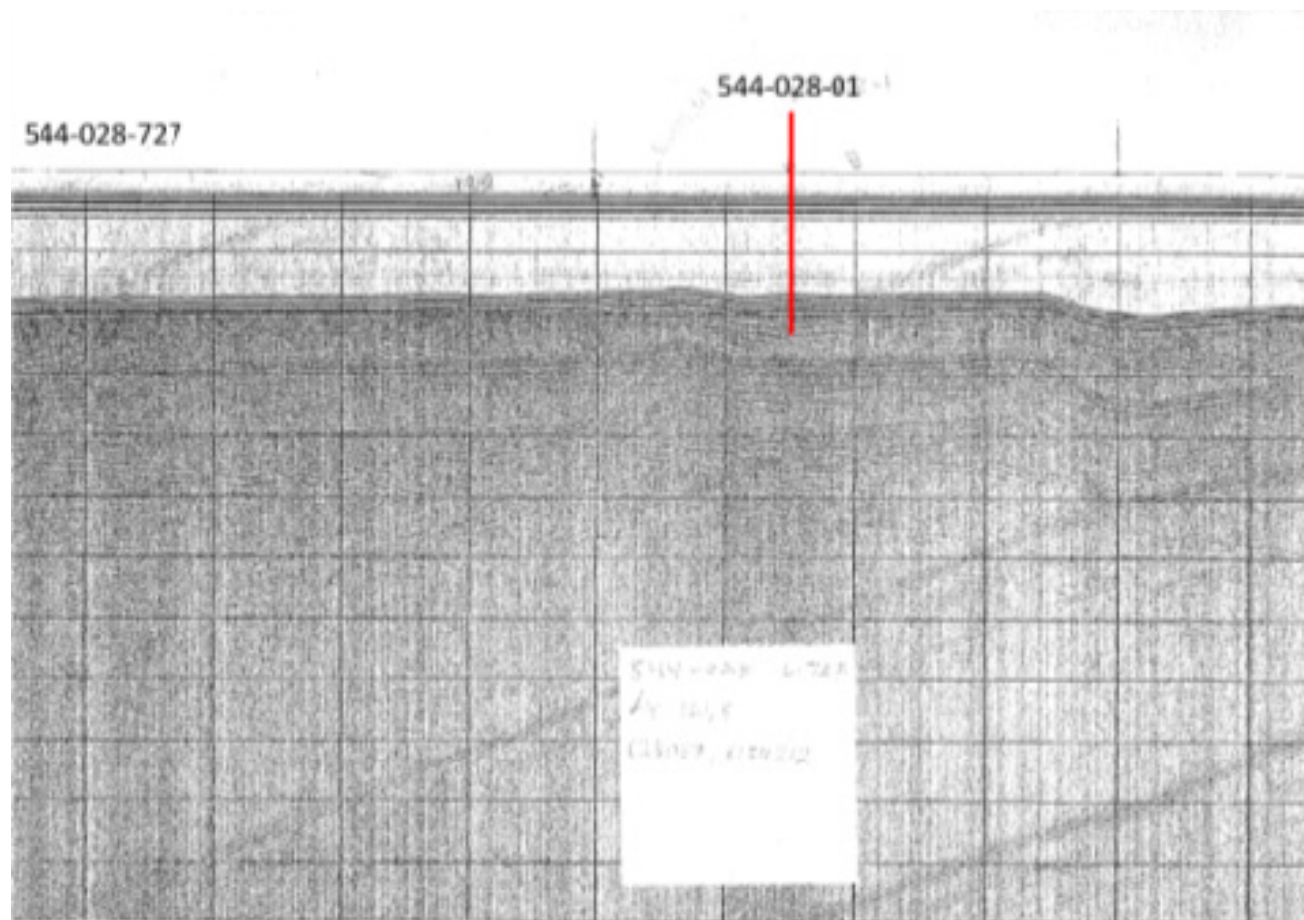
544-028



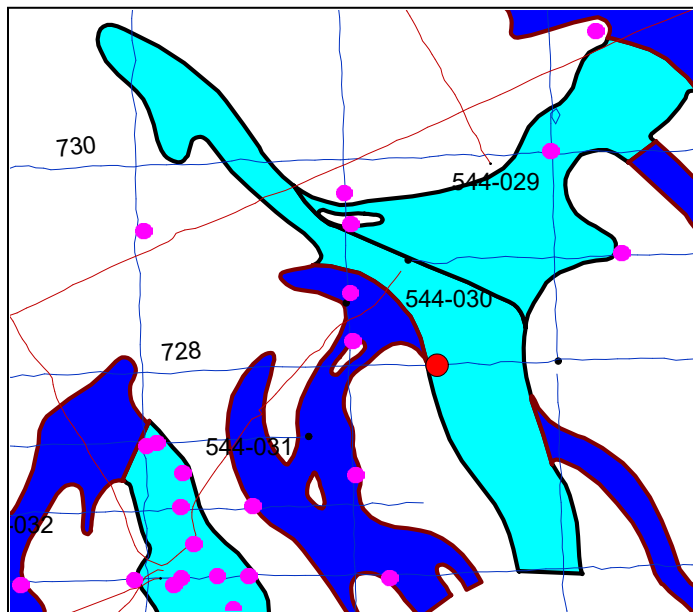
General info:
sand

Pos. Boring (WGS84 zone 32):
544-028-01: 628.067 ; 6.159.212

vanddybde 8m



544-030

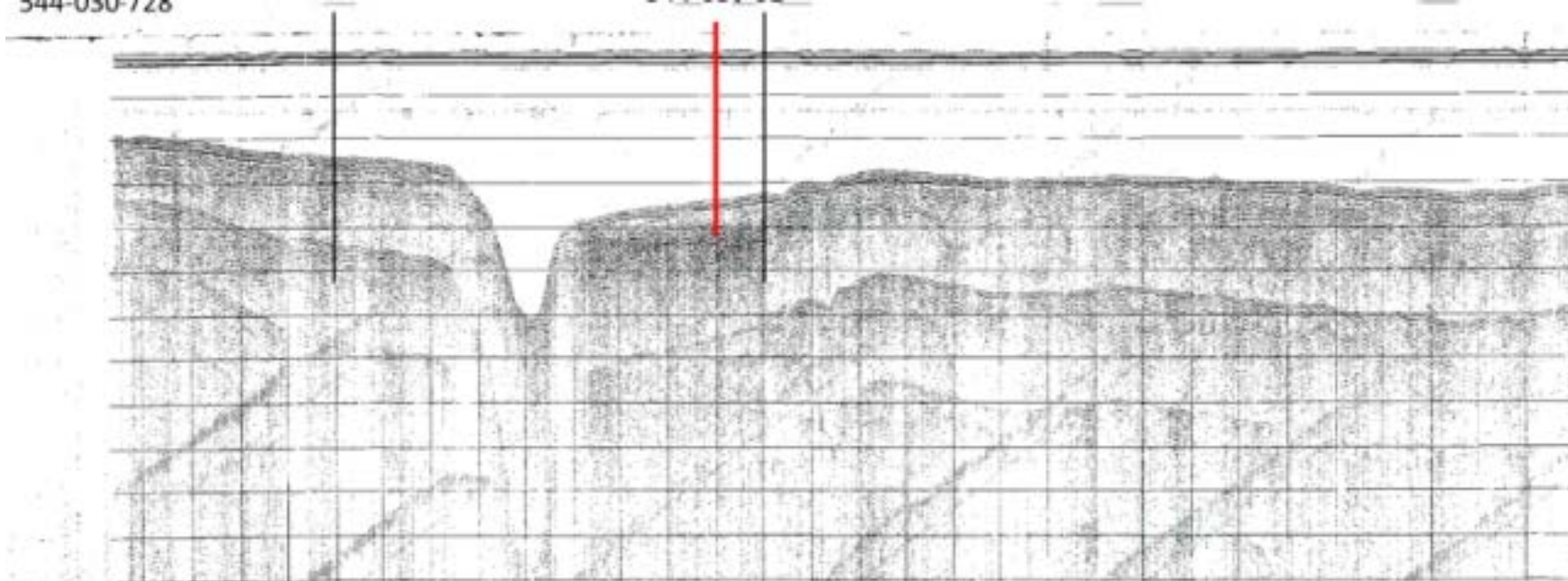


Generel info:
vanddybde: 16-34m

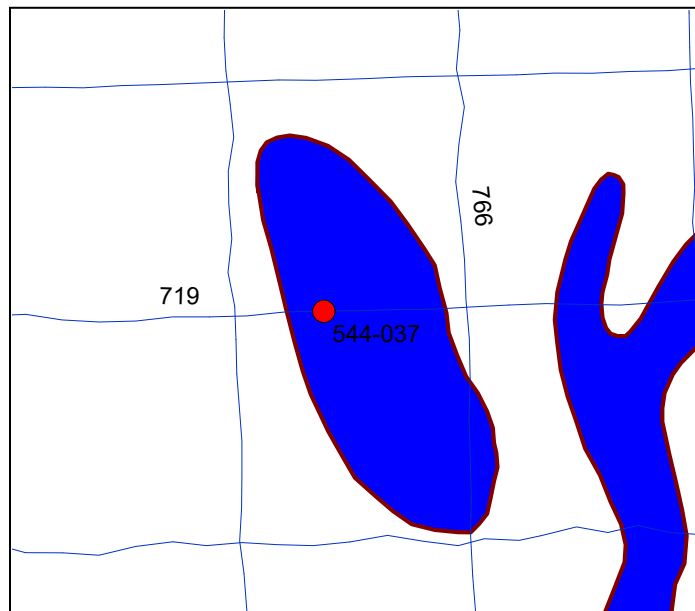
Pos. boring (WGS84):
544-030-01: 619215, 6162147
vanddybde ca 22m

544-030-728

544-030-01



544-037



General info:

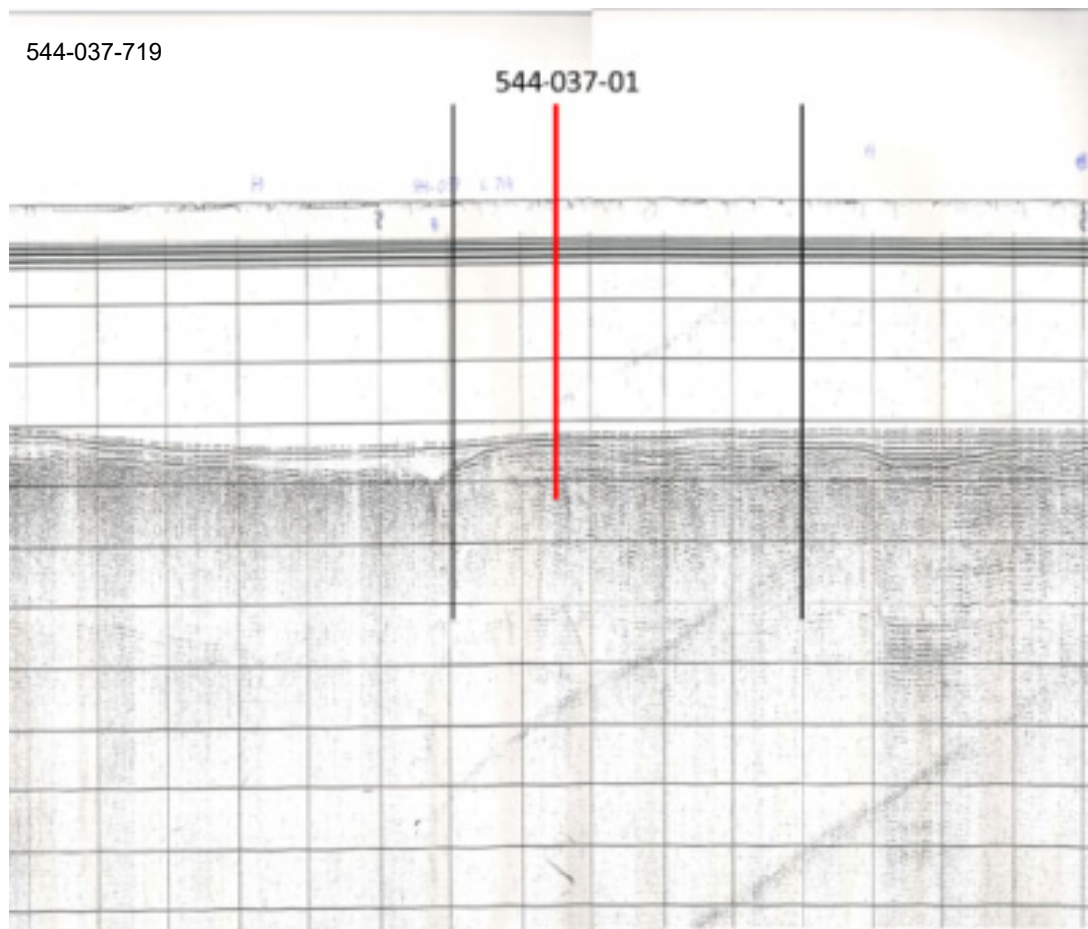
sand

vanddybde: omkring 22m

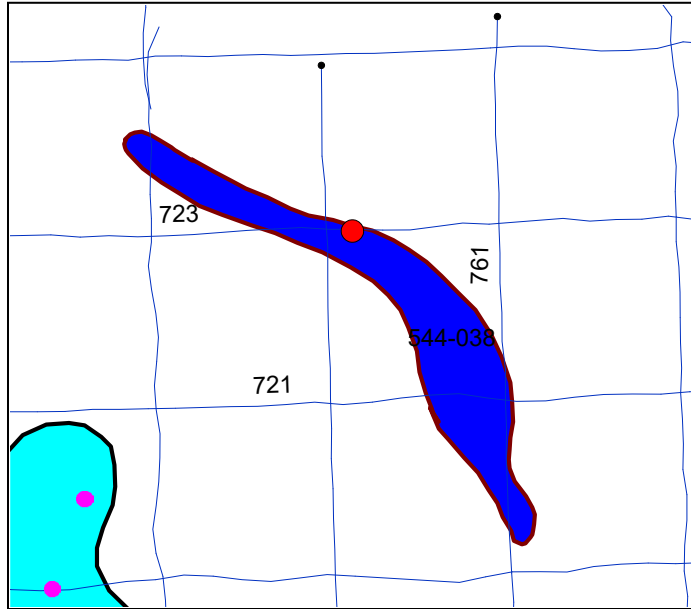
Pos. boring (WGS84 zone 32):

544-037-01: 625594,22; 6150139,74

vanddybde 21,5m



544-038



Generel info:

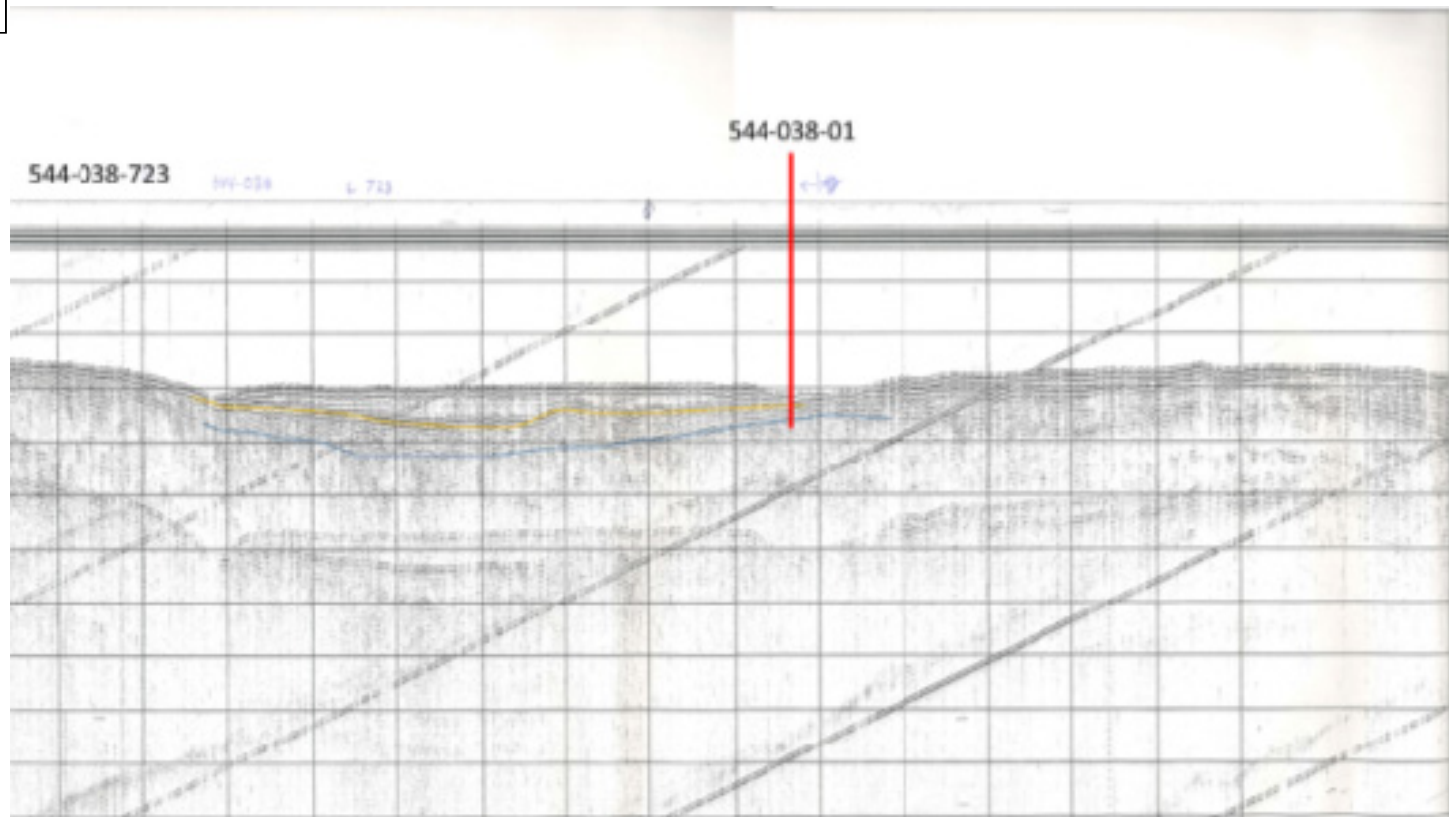
Forekomsten ligger på toppen af næsten 5 m dynd i den cyd lige ende og er relativt let tilgængelig.

Der er optaget 2 faldprøver fra forekomstens nordlige Jnd - 3162 og 3163 (bilag F62 og F63). Forekomsten indeholder fint sand og silt af marin oprindelse.

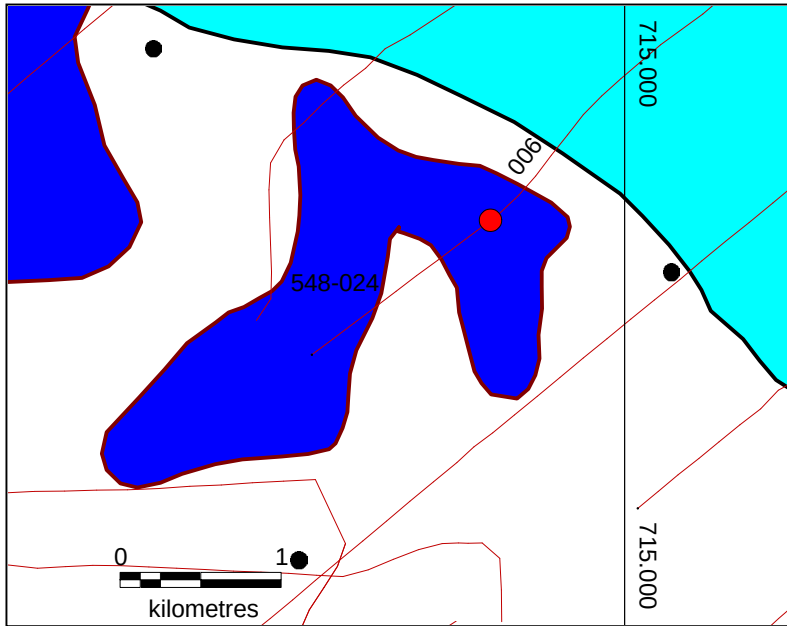
Pos. boring (WGS84 zone 32):

544-037-01: 622299,25; 6152022,72

Vanddybde 20m



548-006



Generel info:
Senglacial ferskvandssand

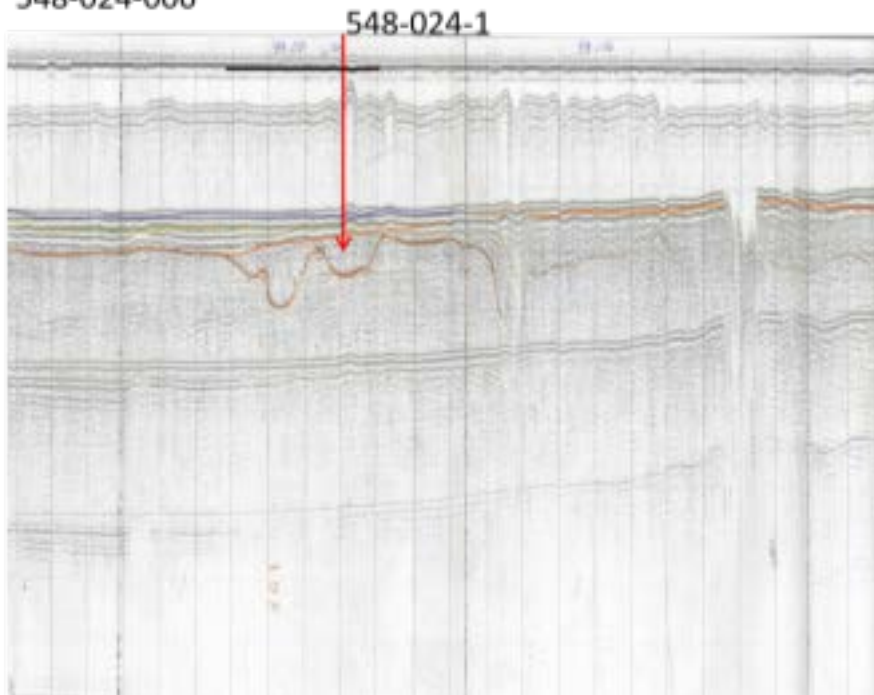
Pos. Boring (WGS84):
548-024-1) 714079,79 , 6157515,68

Approx vanddybde: ukendt

Seismiske linjer: 006

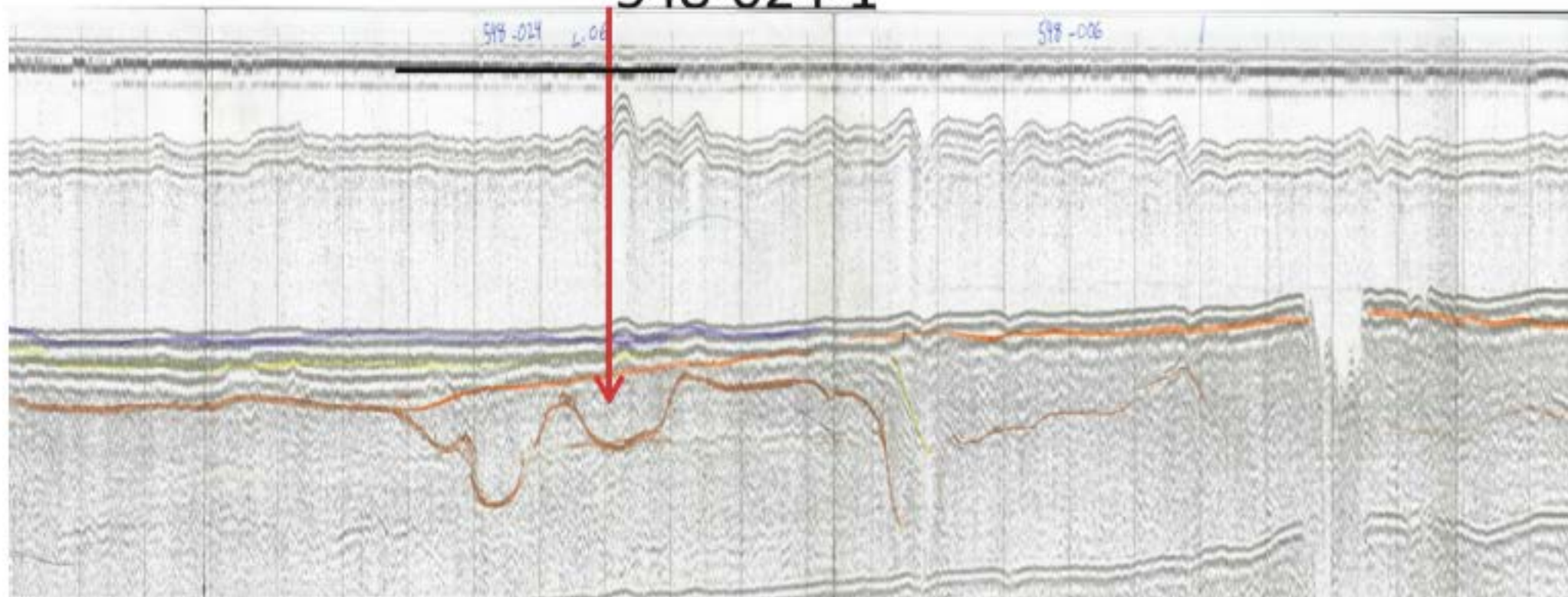
Eksisterende boring:

548-024-006

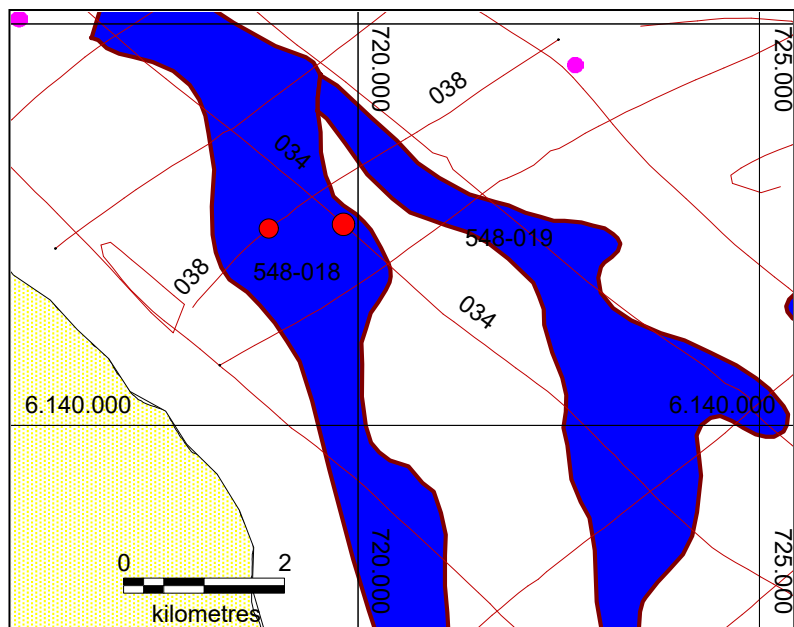


548-024-006

548-024-1



548-018



Generel info:
Glacial smeltevandssand

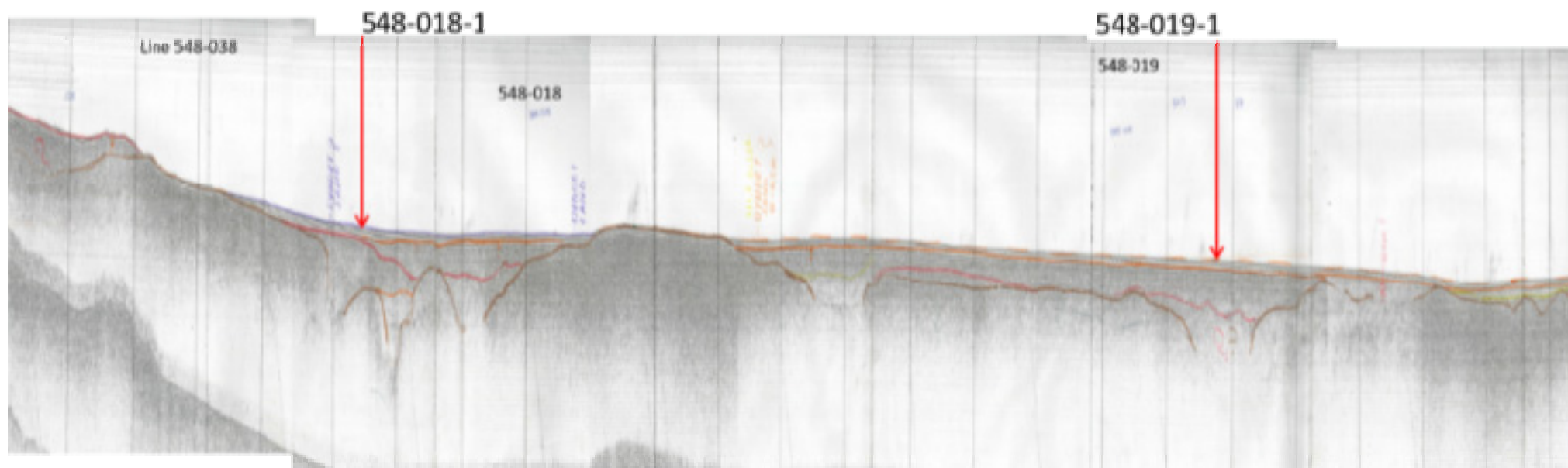
Pos. Boring (Wgs84):
548-018-1) 719733,75 , 6142298,75
548-018-2) 718801,76 , 6142247,75

approx vanddybde: 16 m

Seismiske linjer: 034, 38

Eksisterende boring:

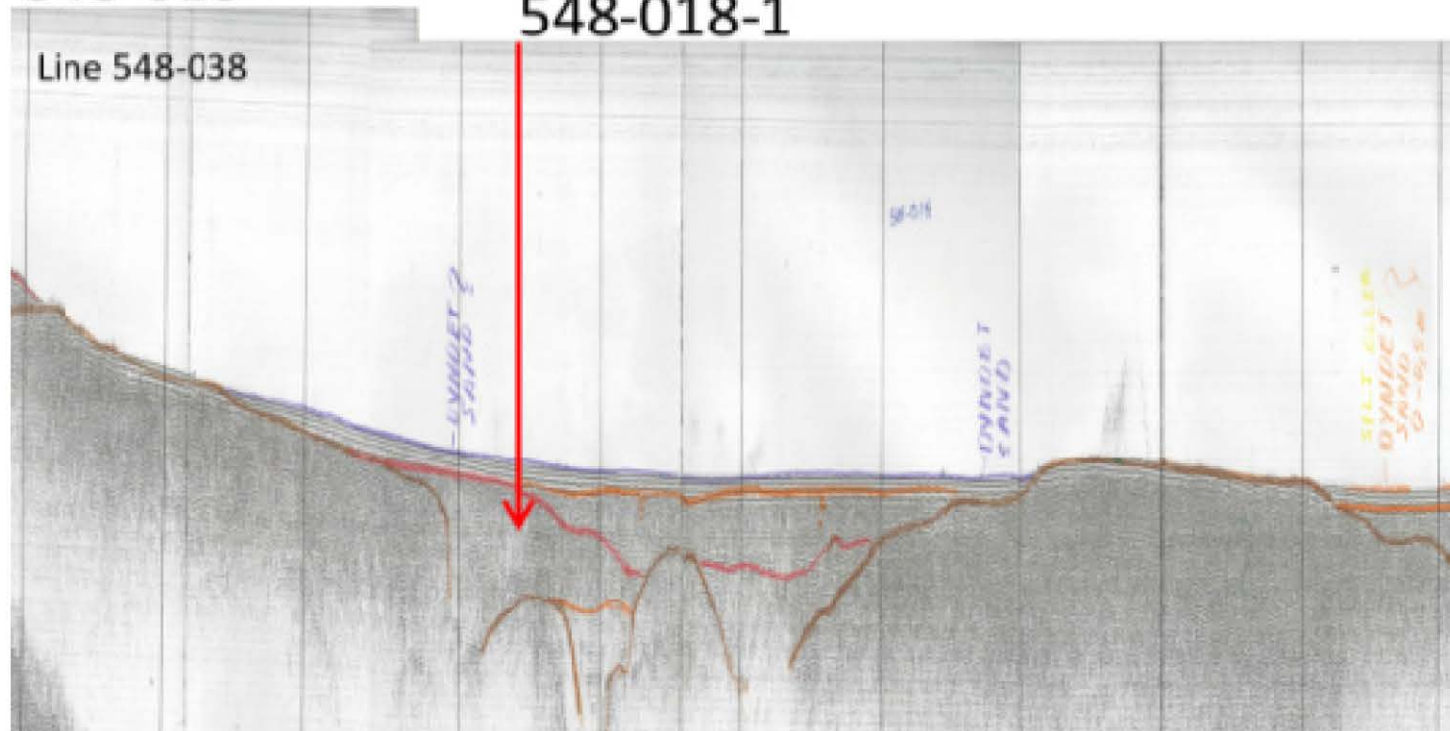
548-018 og 548-19



548-018

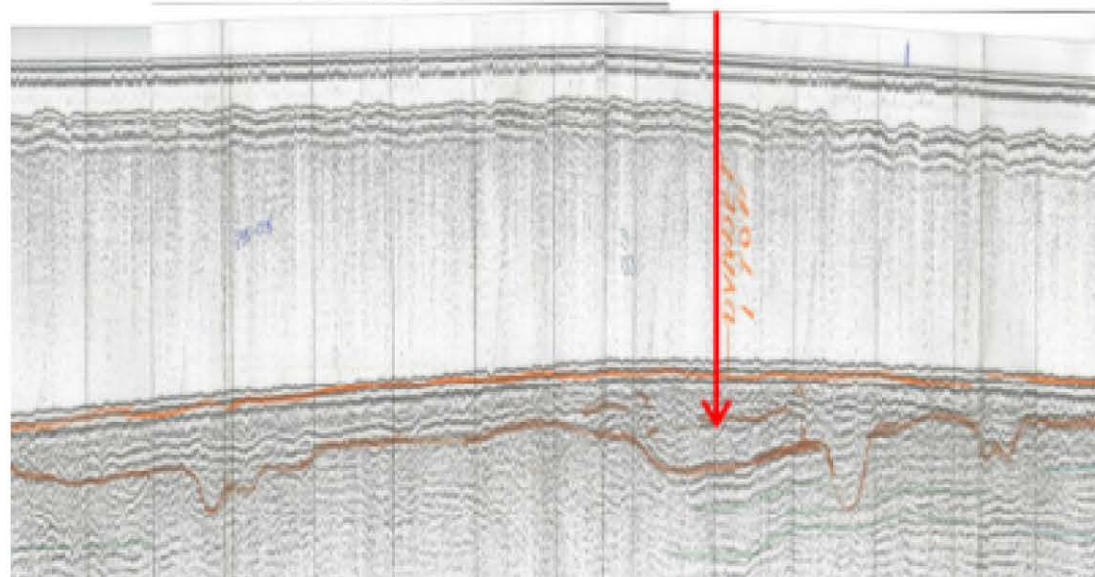
548-018-1

Line 548-038



548-018-034

548-018-2



548-019

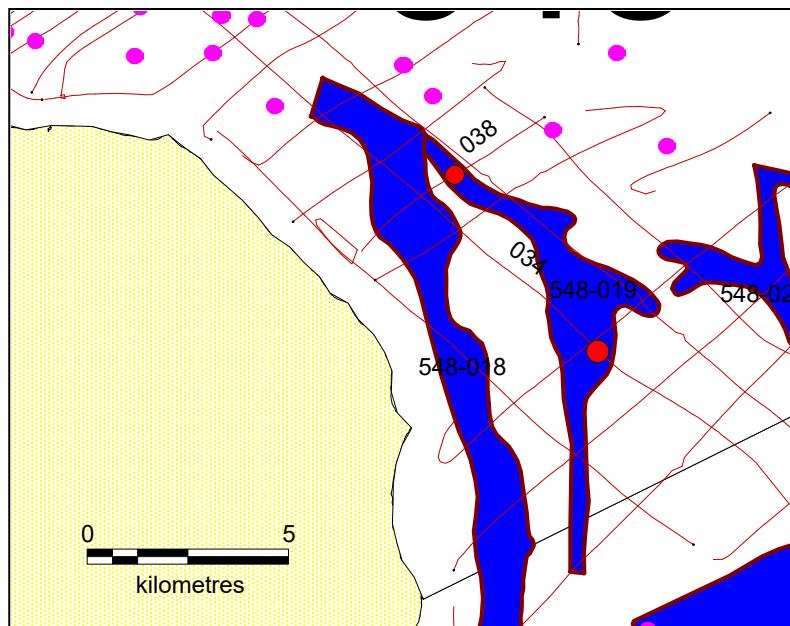
Generel info:
Glacial smeltevandssand

Pos. Boring (WGS84):
548-019-1) 723739,73 , 6138765,76
548-019-2) 720176.75 , 6143164.74

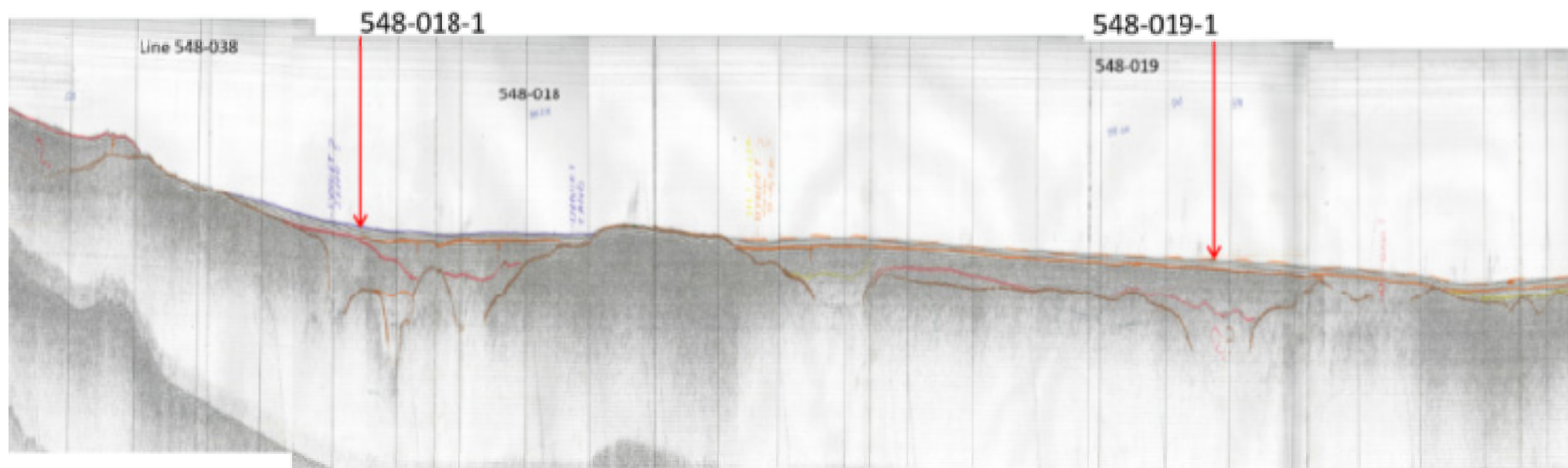
approx vanddybde : 20 - 17 m

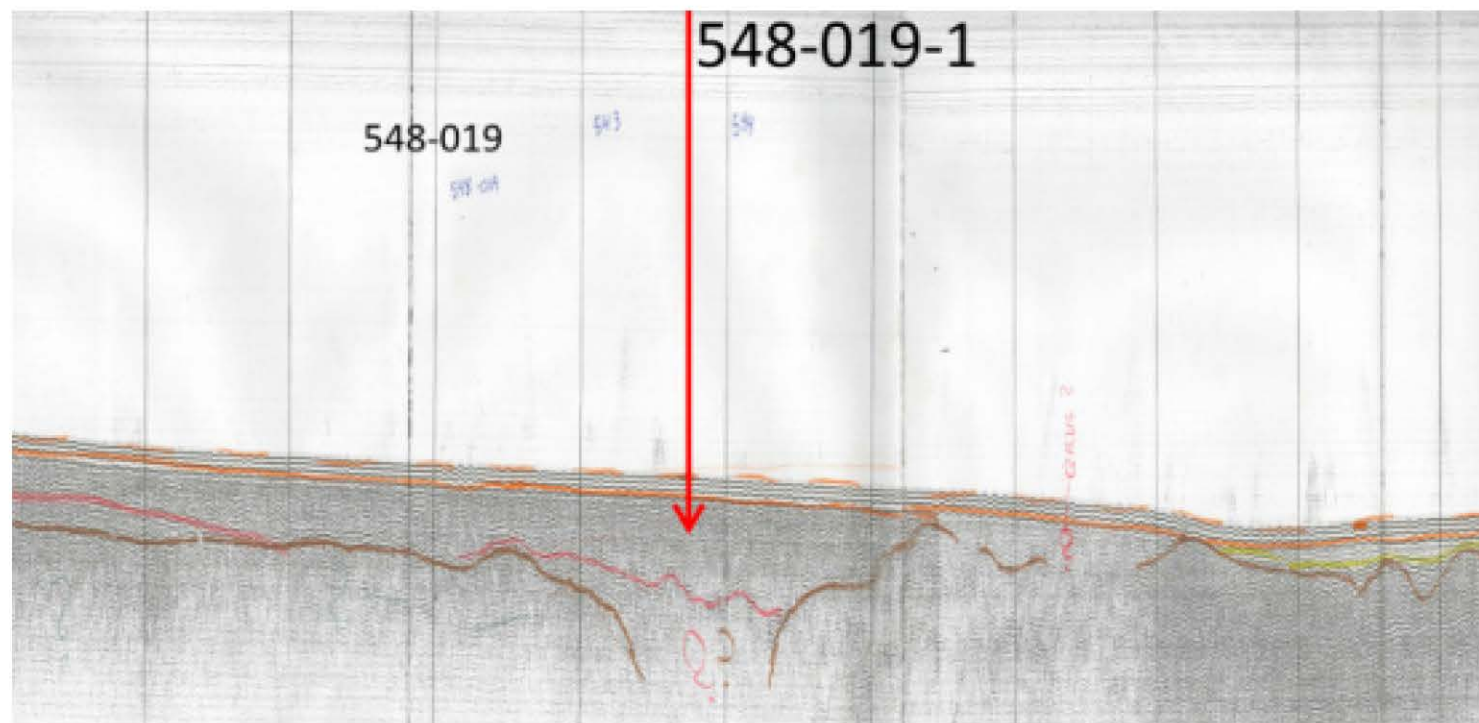
Seismiske linjer: 034, 38

Eksisterende boring :



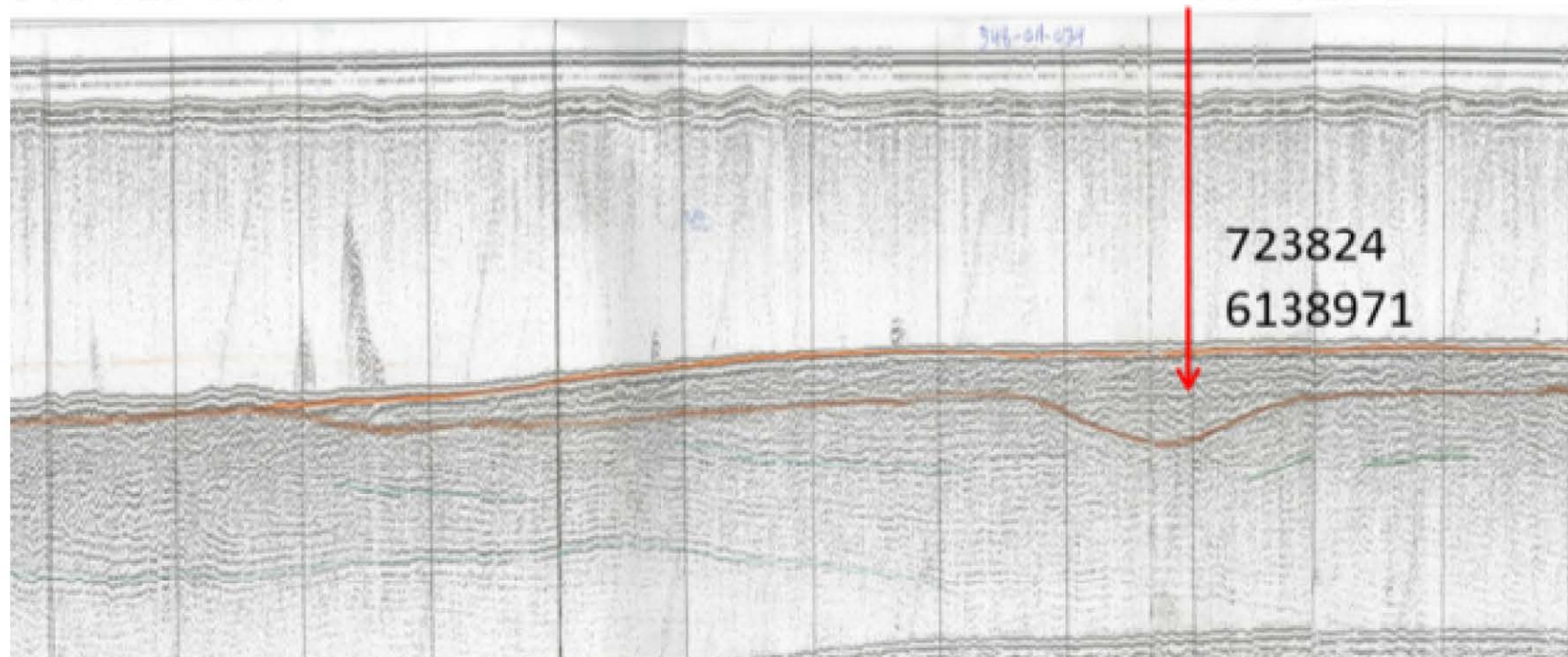
548-018 og 548-19





548-019-034

548-019-2

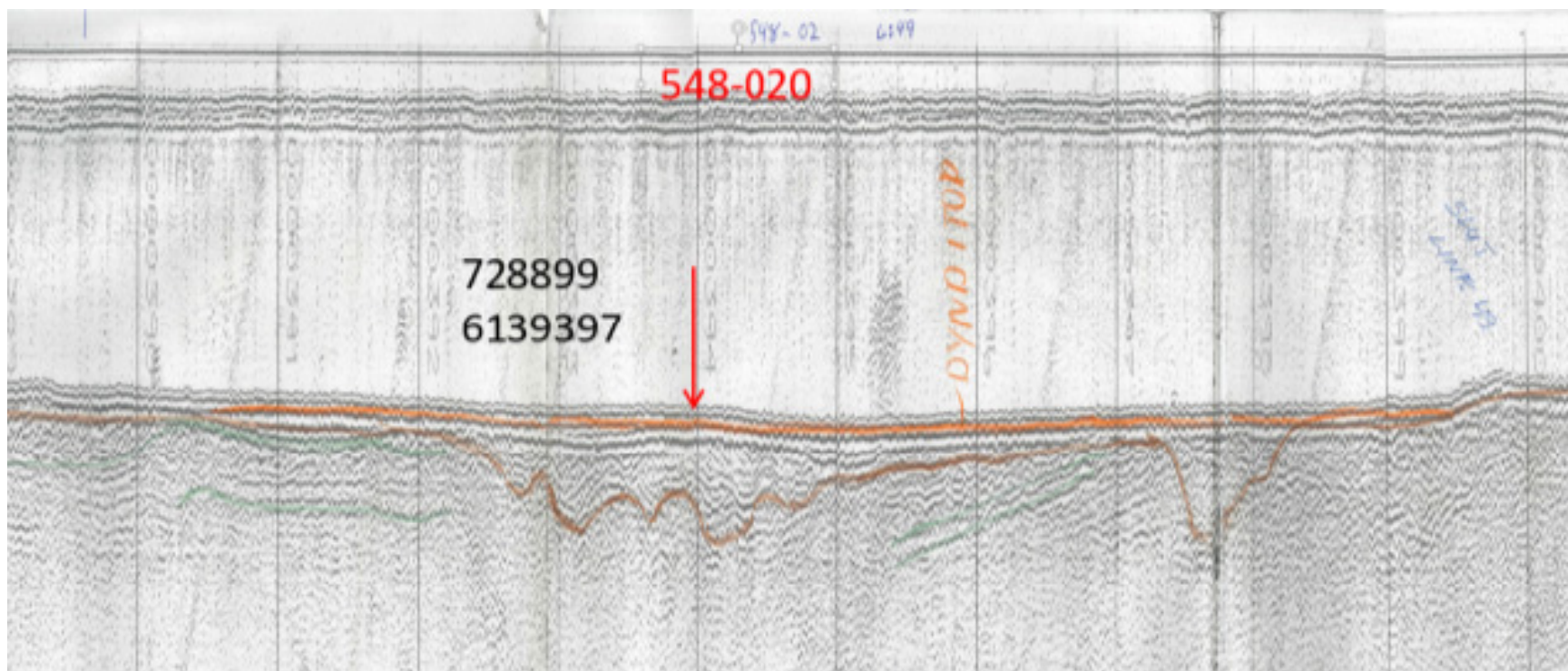
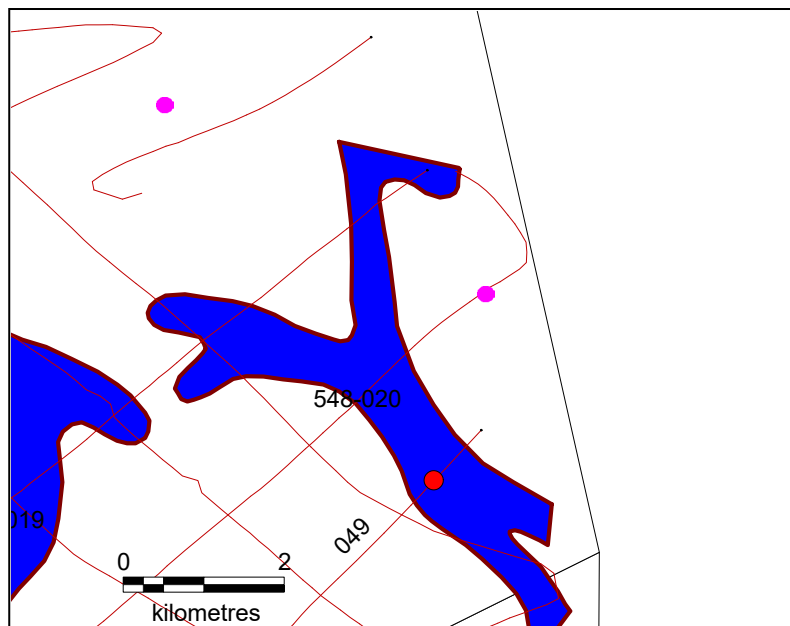


548-020

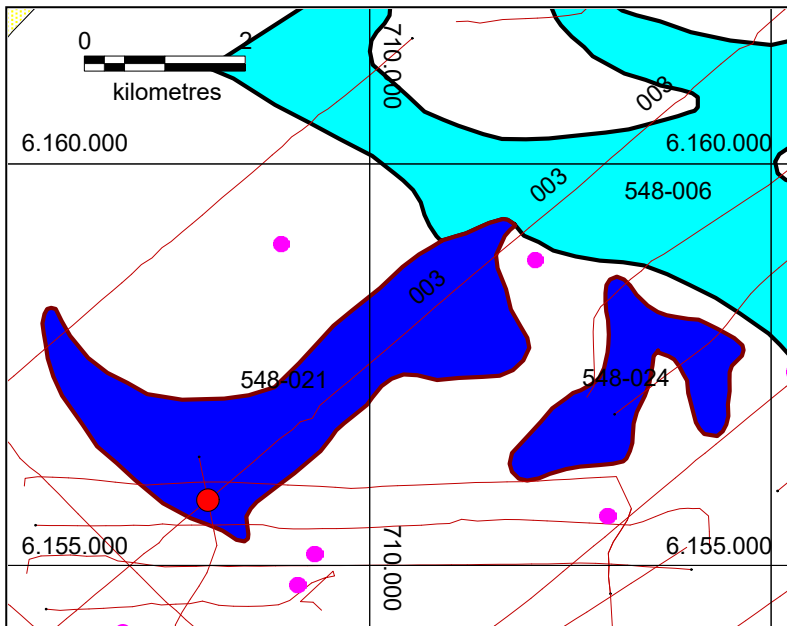
Generel info:
Glacial smeltevandssand

Pos. Boring (WGS84)
548-020-1): 728814,71 , 6139191,76

Seismiske linjer: 0049



548-021



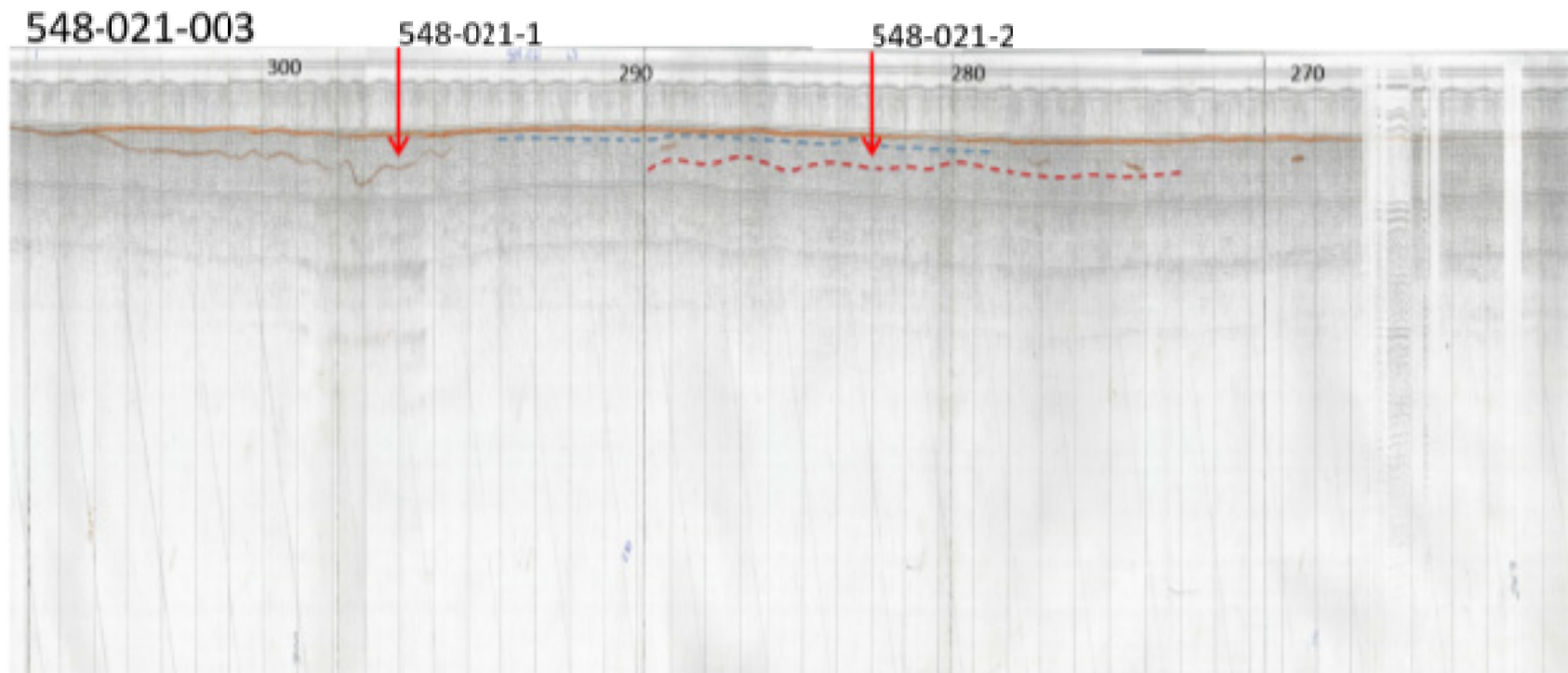
Generel info:
Senglacial ferskvandssand

Pos. Boring (WGS84):
548-021-1) 707900,82 6155607,69

approx vanddybde: 11 m

Seismiske linjer: 003

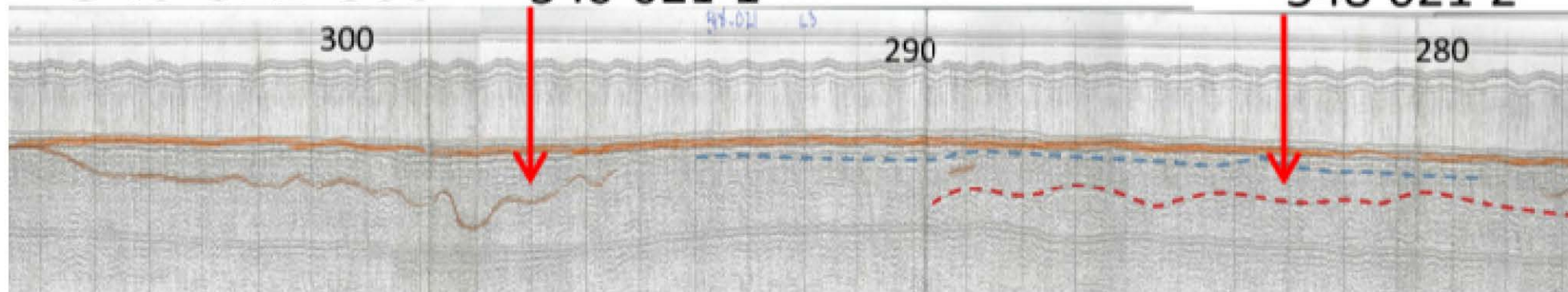
Eksisterende boring:
Omkringliggende boringer viser sand i toppen og ler under.



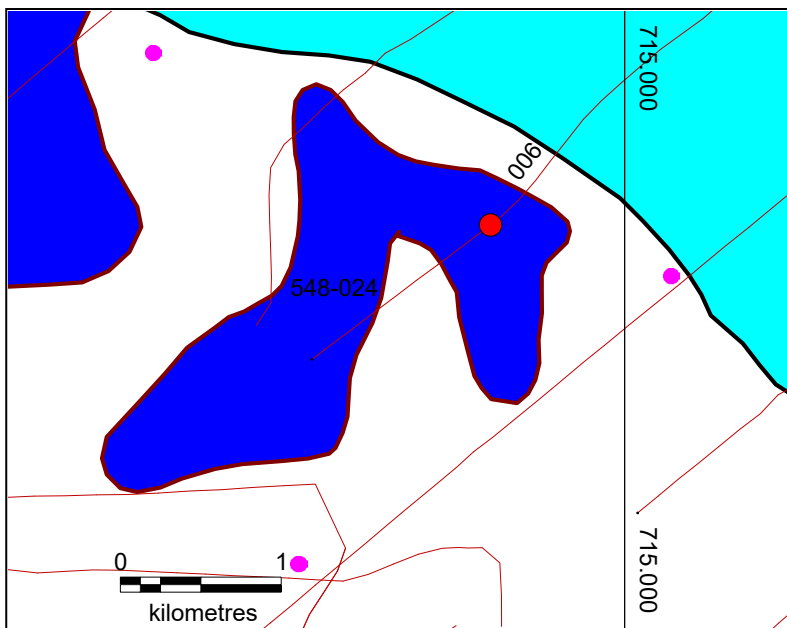
548-021-003

548-021-1

548-021-2



548-024



Generel info:
Senglacial ferskvandssand

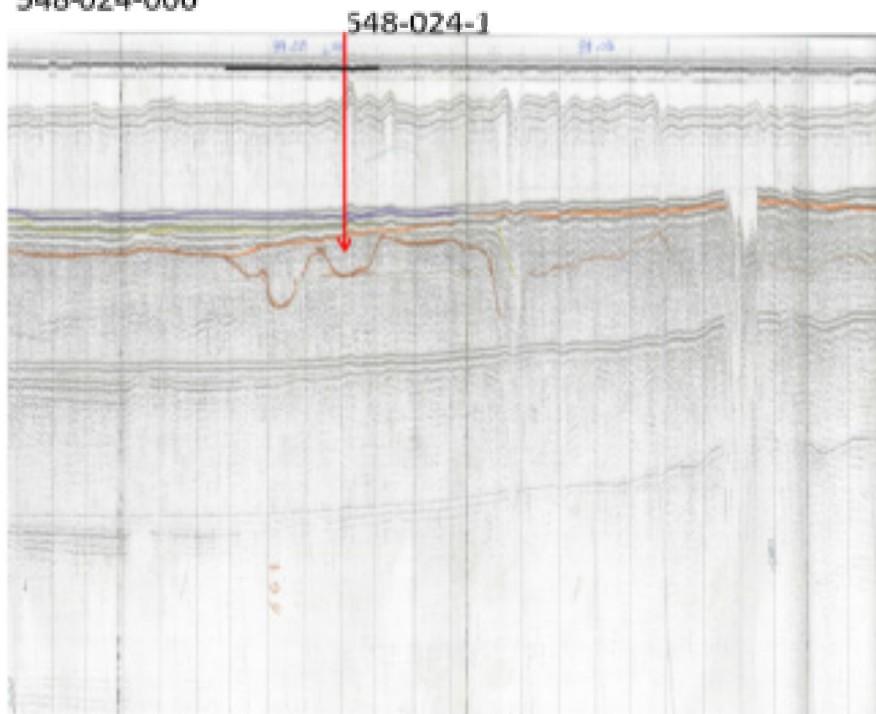
Pos. Boring (WGS84):
548-024-1) 714079,79 , 6157515,68

Approx vanddybde: ukendt

Seismiske linjer: 006

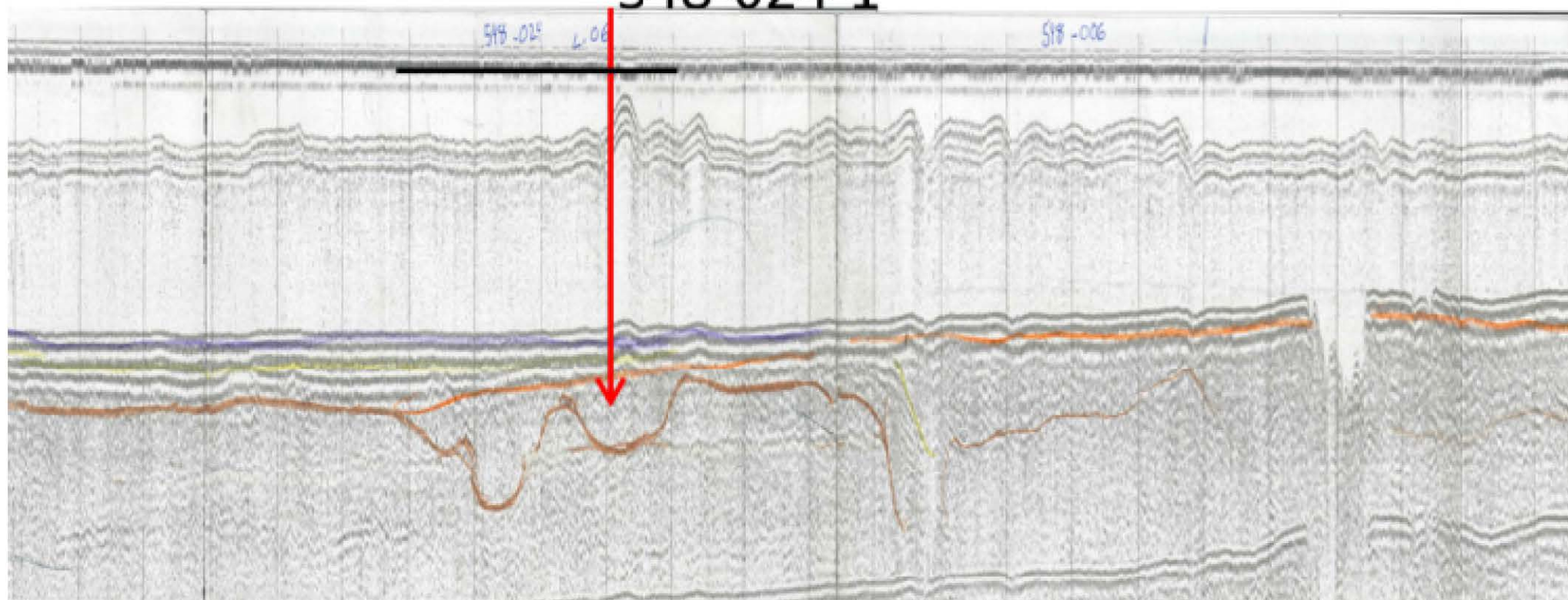
Eksisterende boring:

548-024-006

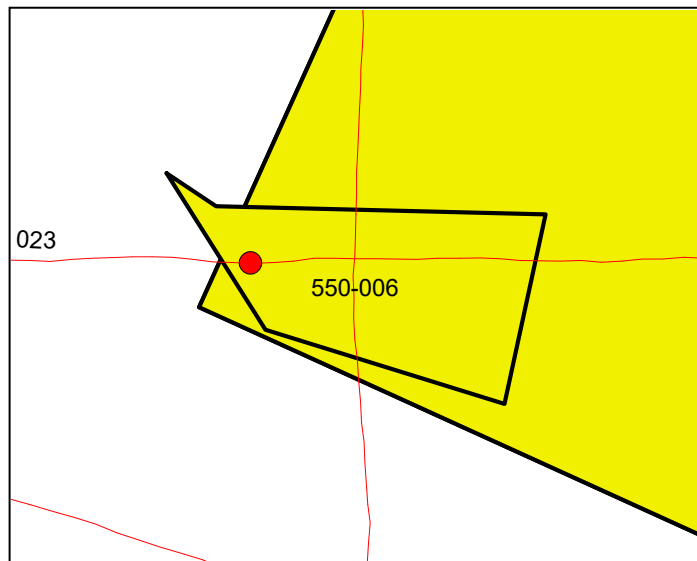


548-024-006

548-024-1



550-006



Generel info:

Forsættelse af smeltevandssand-ressourcen 550-GA mod nordvest, 550002. Dækket af et tykkere dynddække, og ikke praktisk indvindelig. Det formodes også, at tynde ukonsoliderede flydemoræner dækker visse dele af af forekomsten.

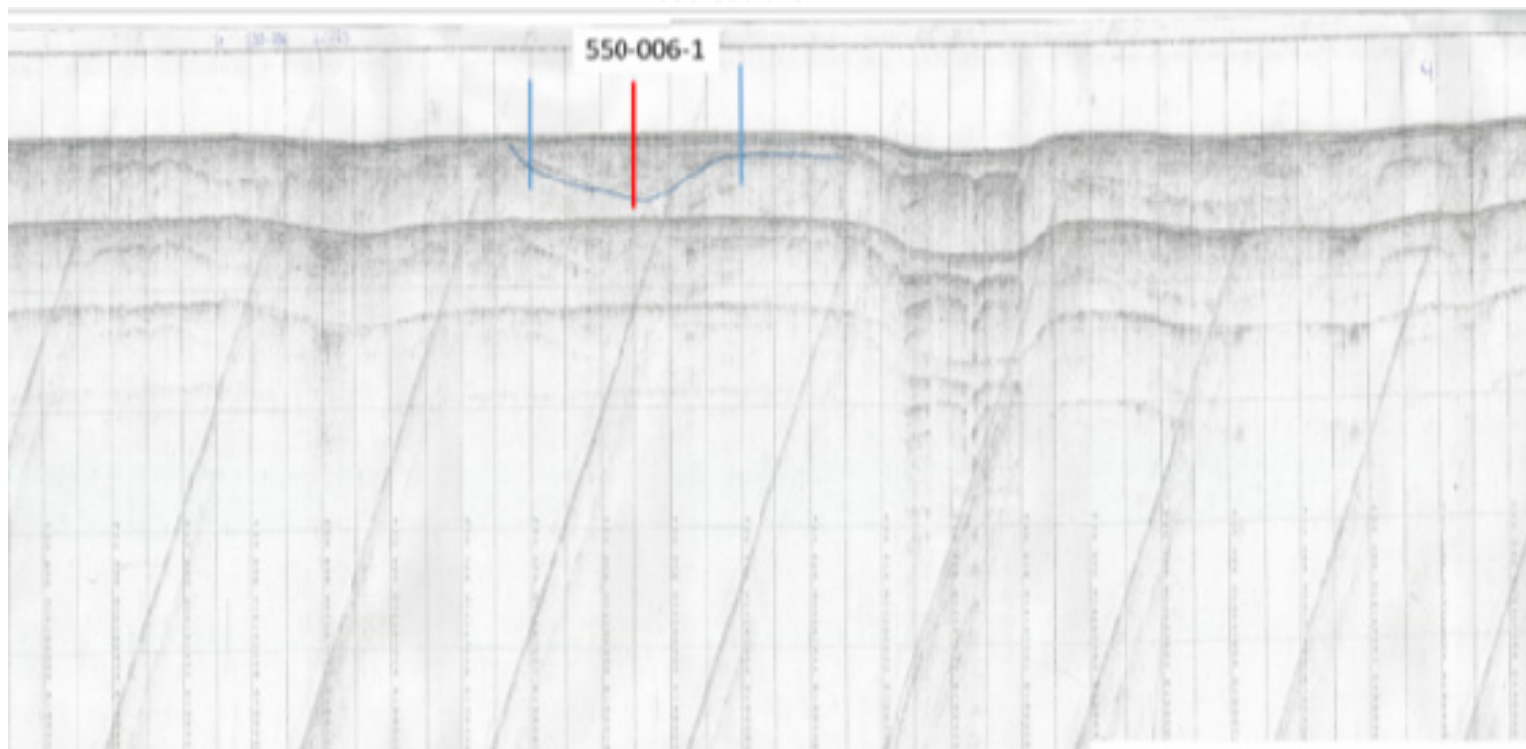
Eksisterende borer:

Pos. borer (WGS84):

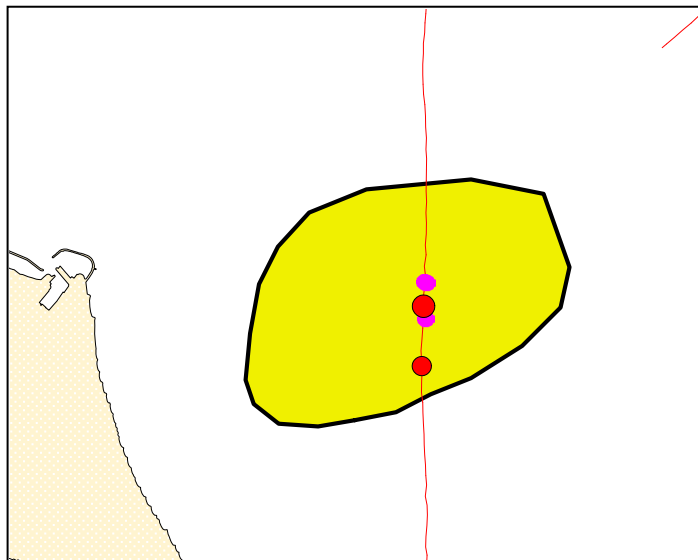
550-006-01: 583611,44 , 6166788,66

vanddybde 13,6m

550-006-023



550-009



550-009-019

Generel info:

Forsættelse af smeltevandssand-ressourcen 550-GA mod nordvest, 550002. Dækket af et tykkere dynddække, og ikke praktisk indvindelig. Det formodes også, at tynde ukonsoliderede flydemoræner dækker visse dele af af forekomsten.

Pos. borer (WGS84):

550-009-01: 565903,53 , 6174385,62

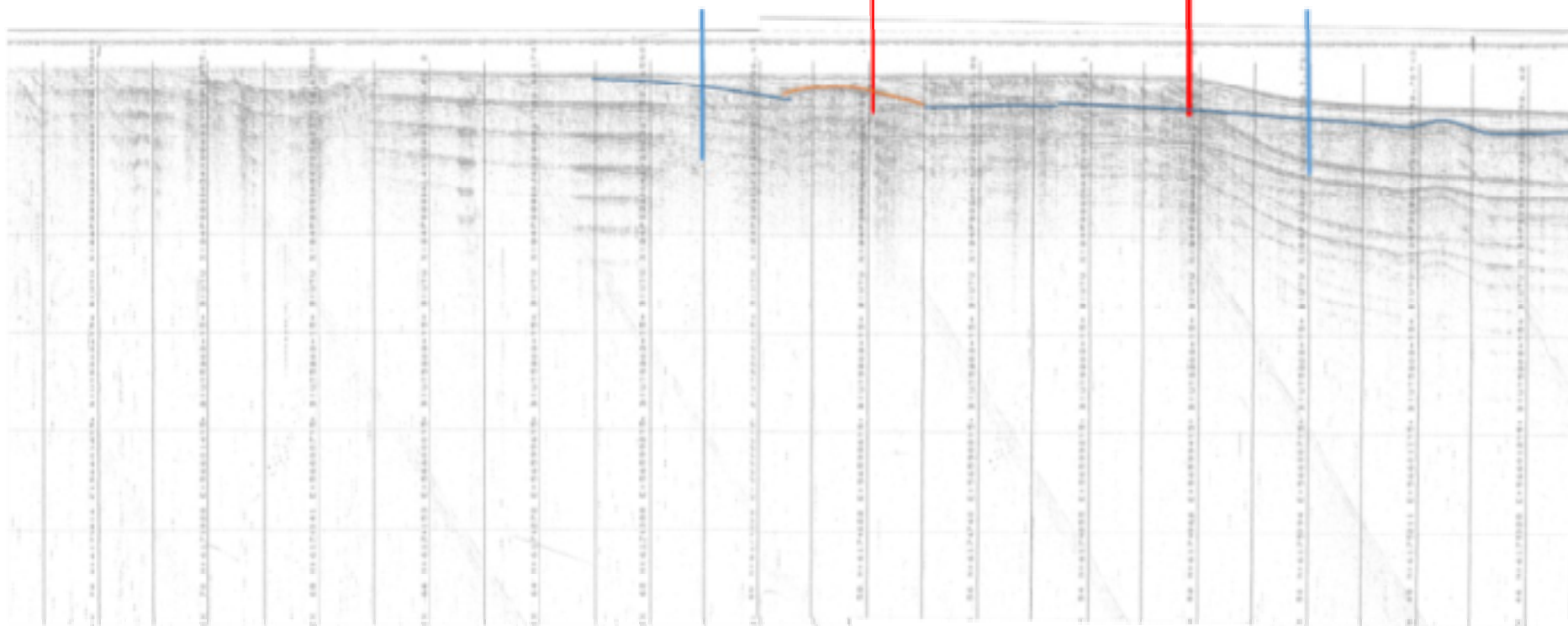
500-009-02: 565913,53 , 6174719,62

Eksisterende borer:

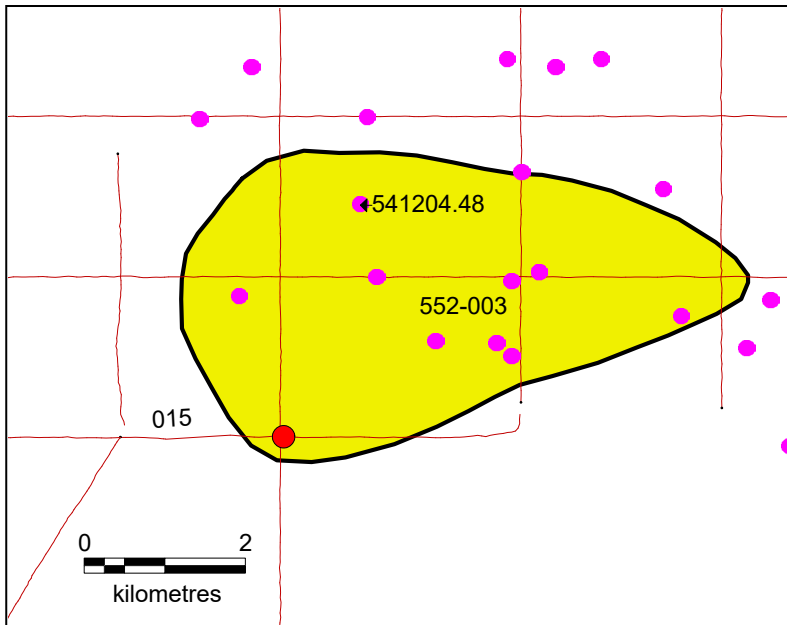
Mangelfulde borer.

550-009-1

550-009-2



552-003



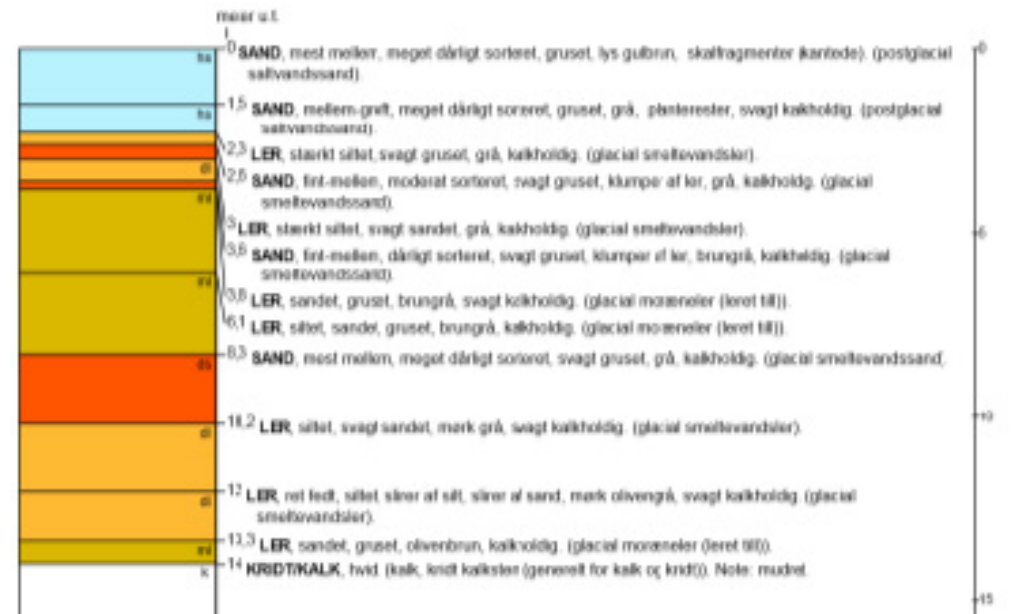
Generel info:
Postglacial saltvandssand

Pos. Boring : (WGS84)
552-003-1) 741958,63 , 6097802,96

approx vanddybde : 31 m

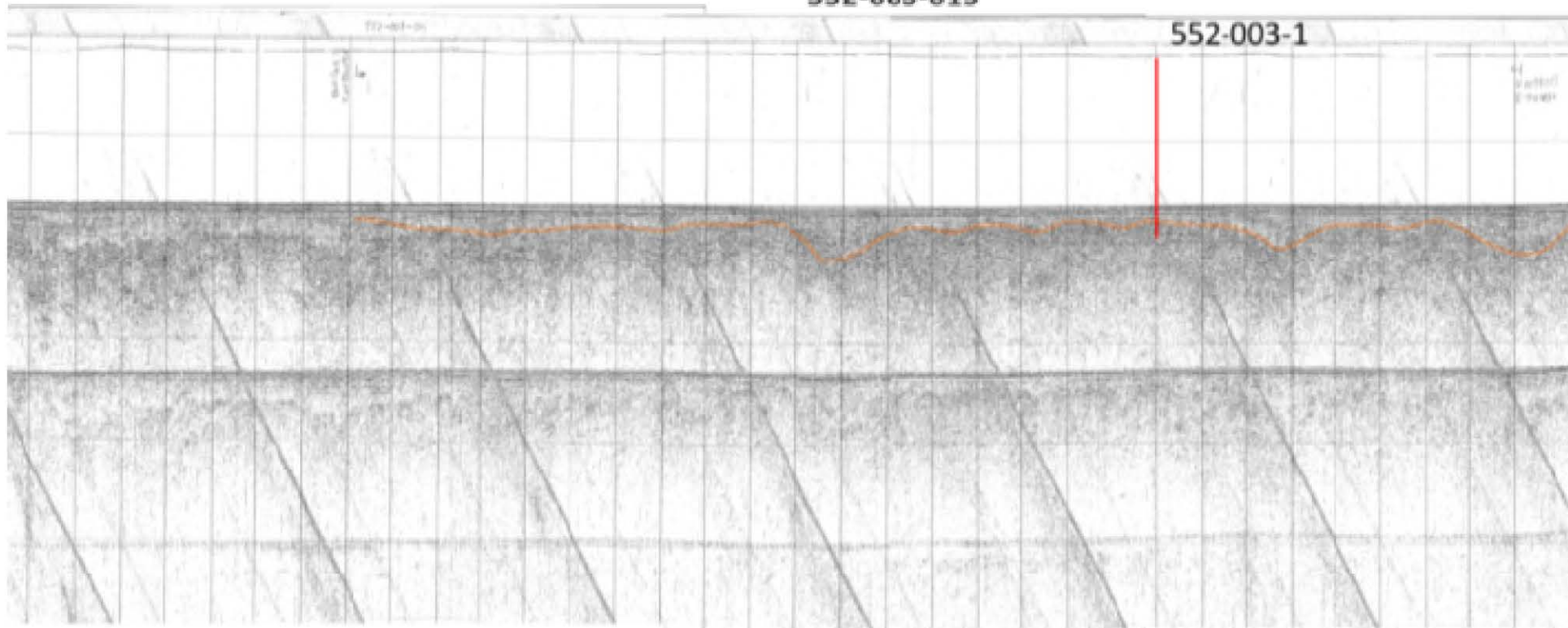
Seismiske linjer: 015

Eksisterende boring: 541204.48



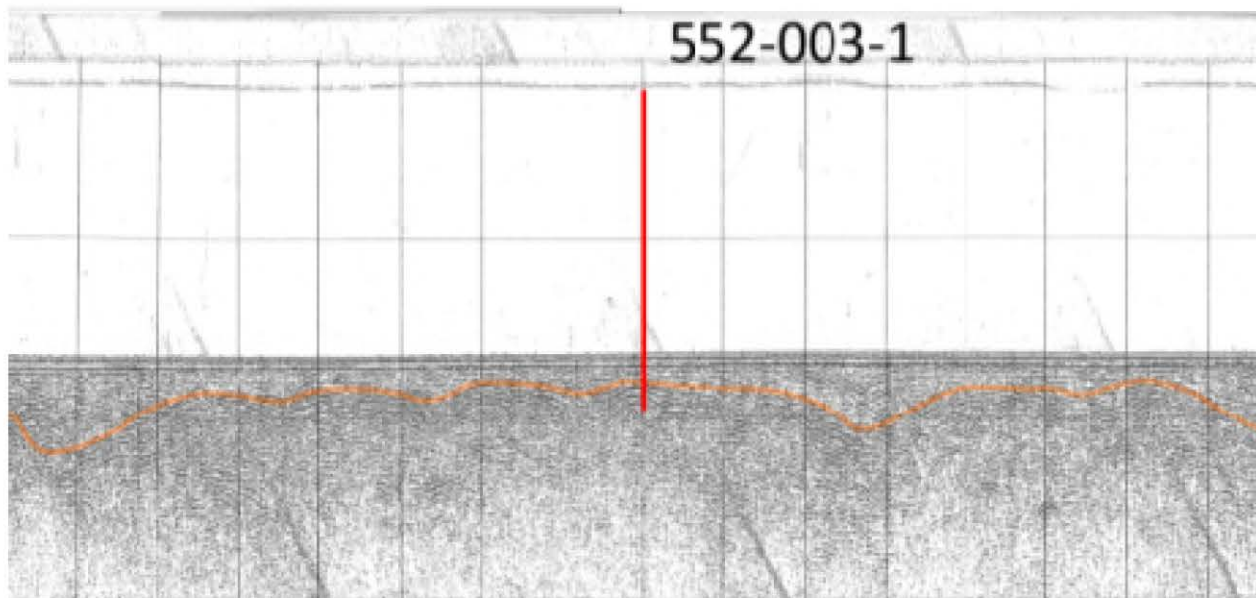
552-003-015

552-003-1



552-003-015

552-003-1



552-004

Generel info:

Postglacial saltvandssand

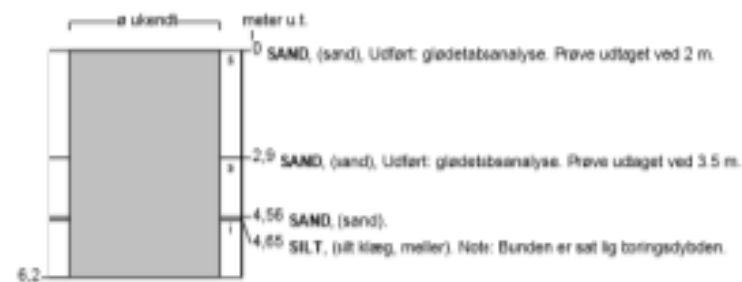
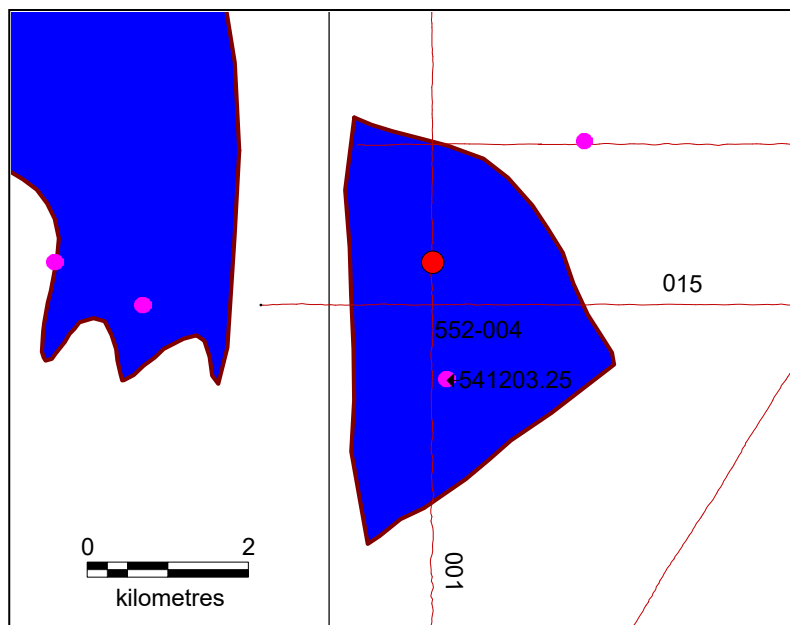
Pos. Boring (WGS84):

552-004-2) 734922,66 , 6098322,96

approx vanddybde: 23 m

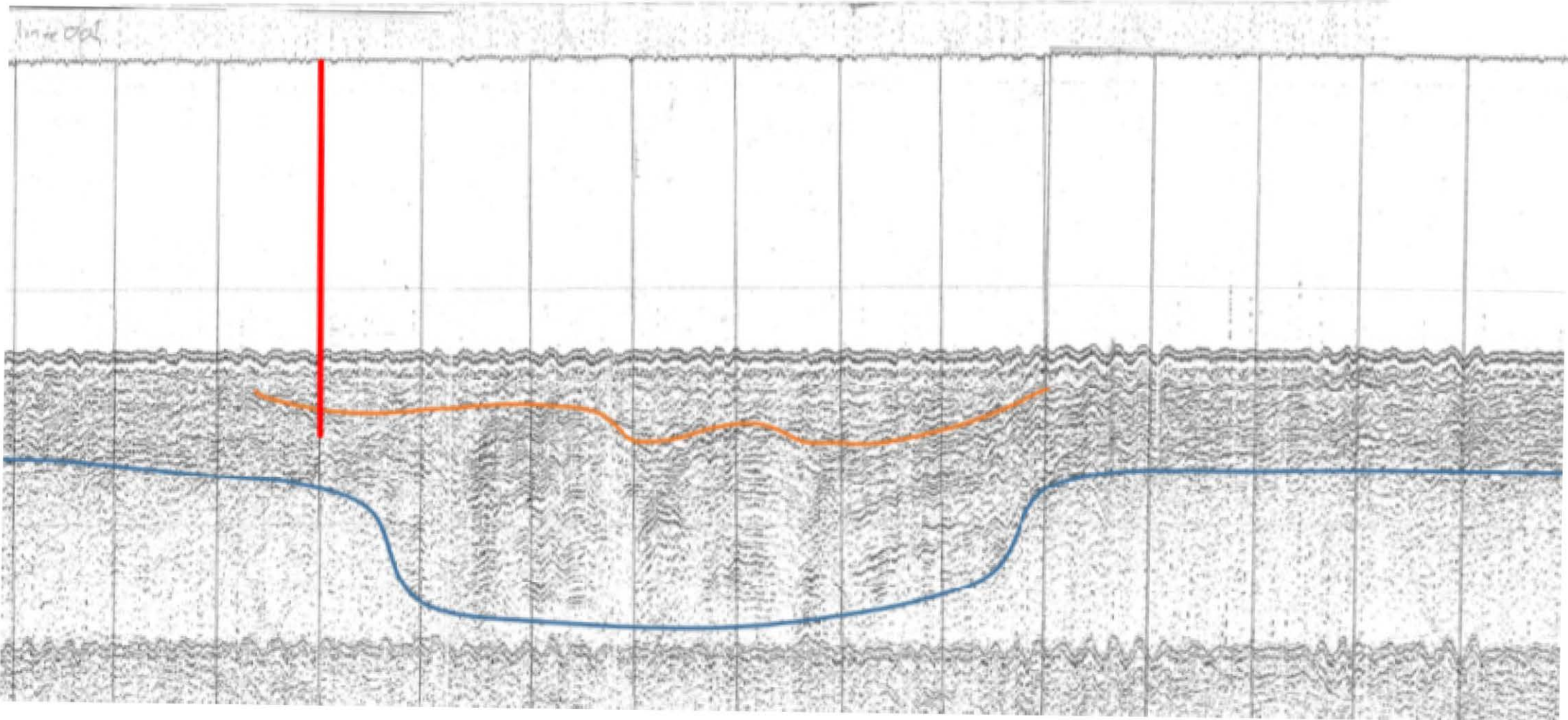
Seismiske linjer: 001, 015

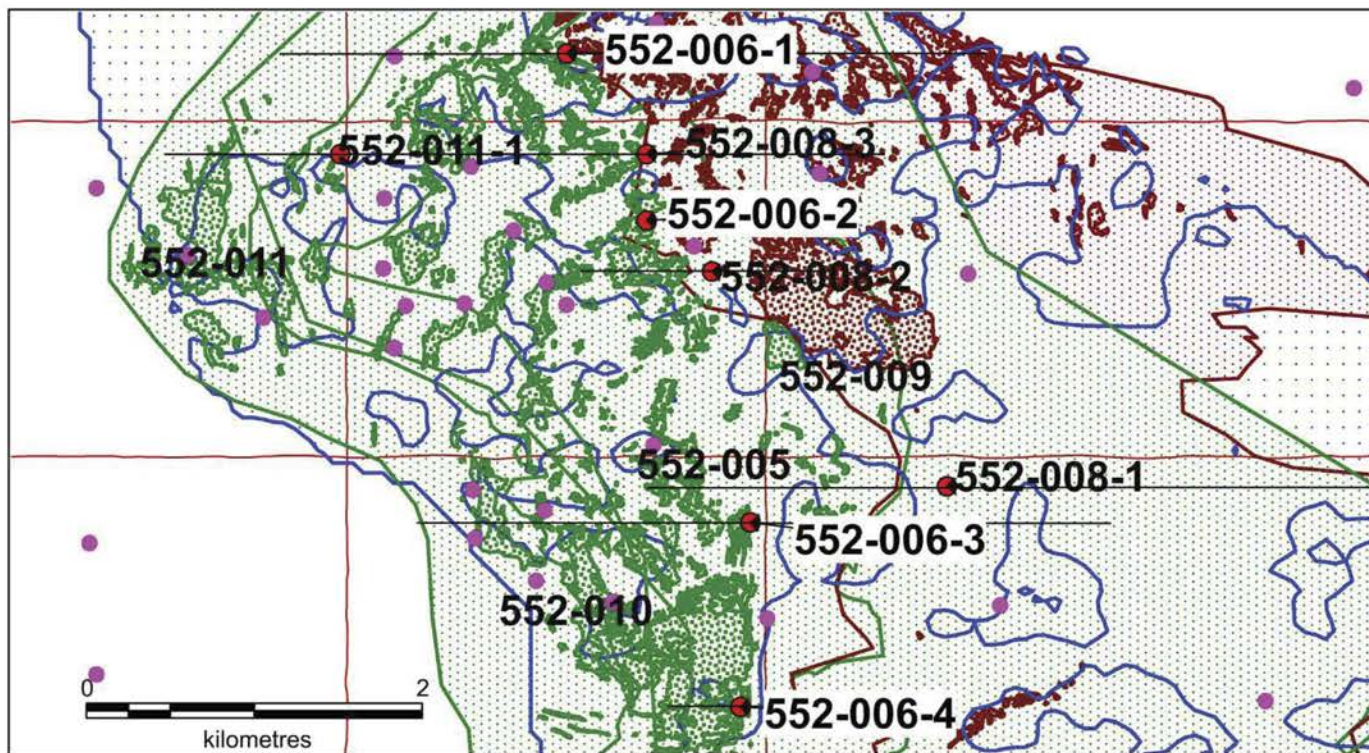
Eksisterende boring: 541203.25



552-004-1

552-004-001





552-006

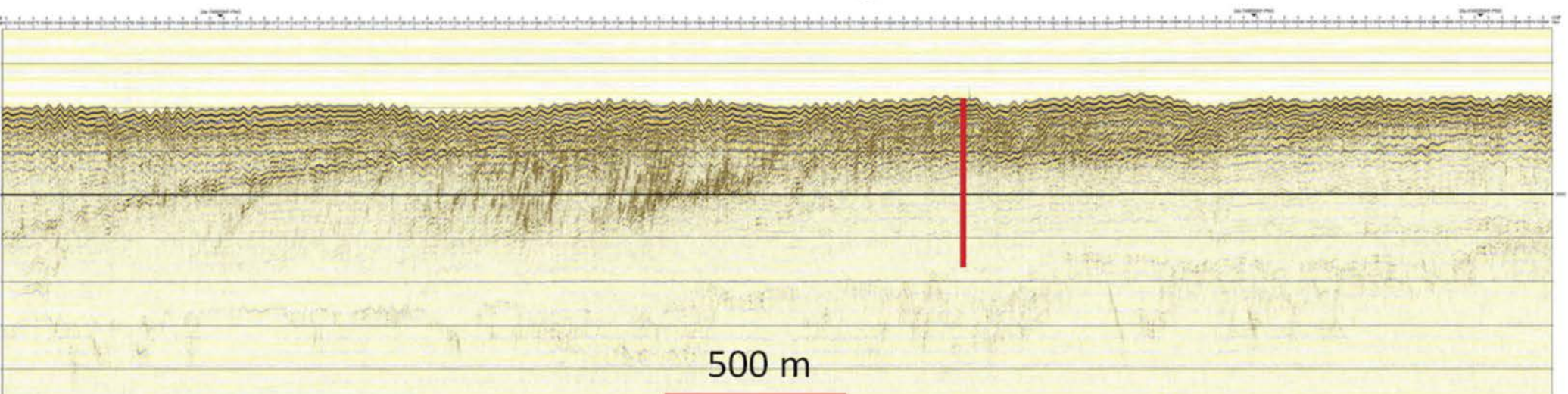
Generel info:
Ingen information

Pos. Boring : UTM 32
 552-006-1) 749205, 6105600
 552-006-2) 749204, 6105202
 552-006-3) 749826, 6103400
 552-006-4) 749765, 6102300

Seismiske linjer: 6106200 , 6106300 , 6106400
 6106200

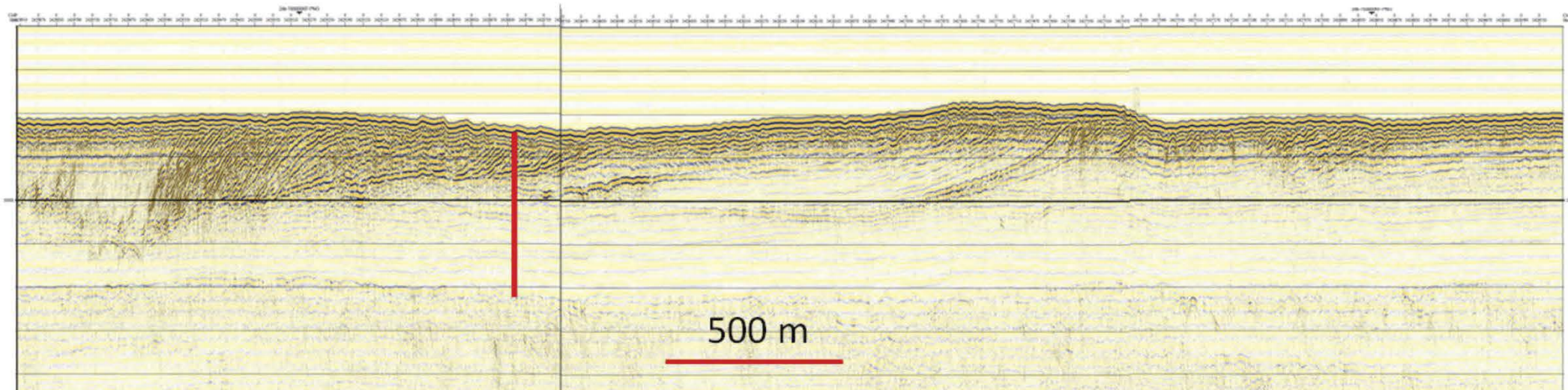
Linje 6106200

Borring 552-006-1



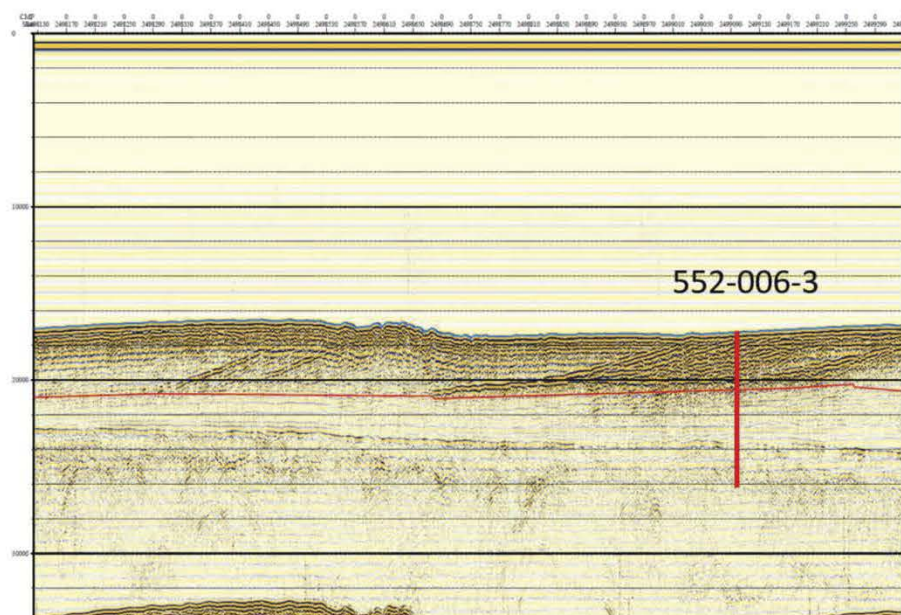
Line 6105200

552-006-2



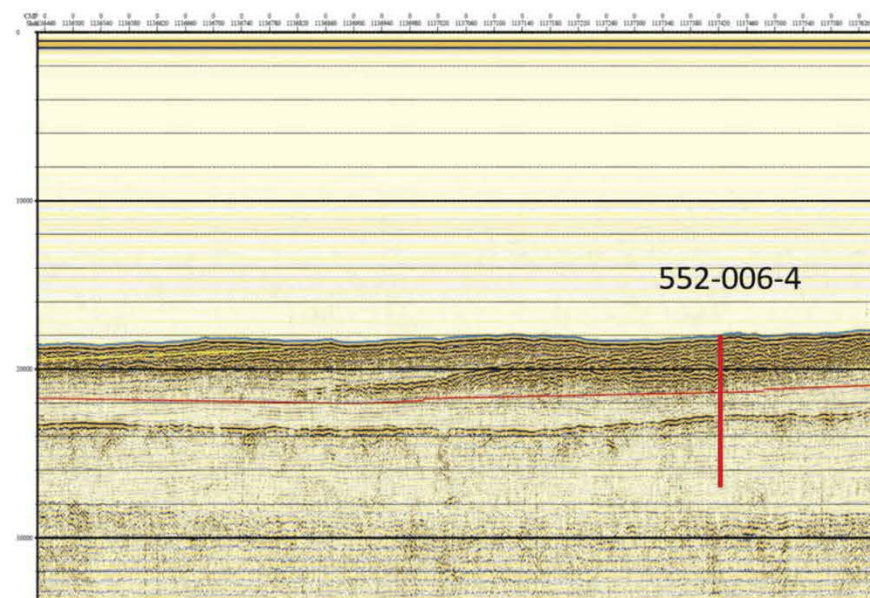
Line 6103400

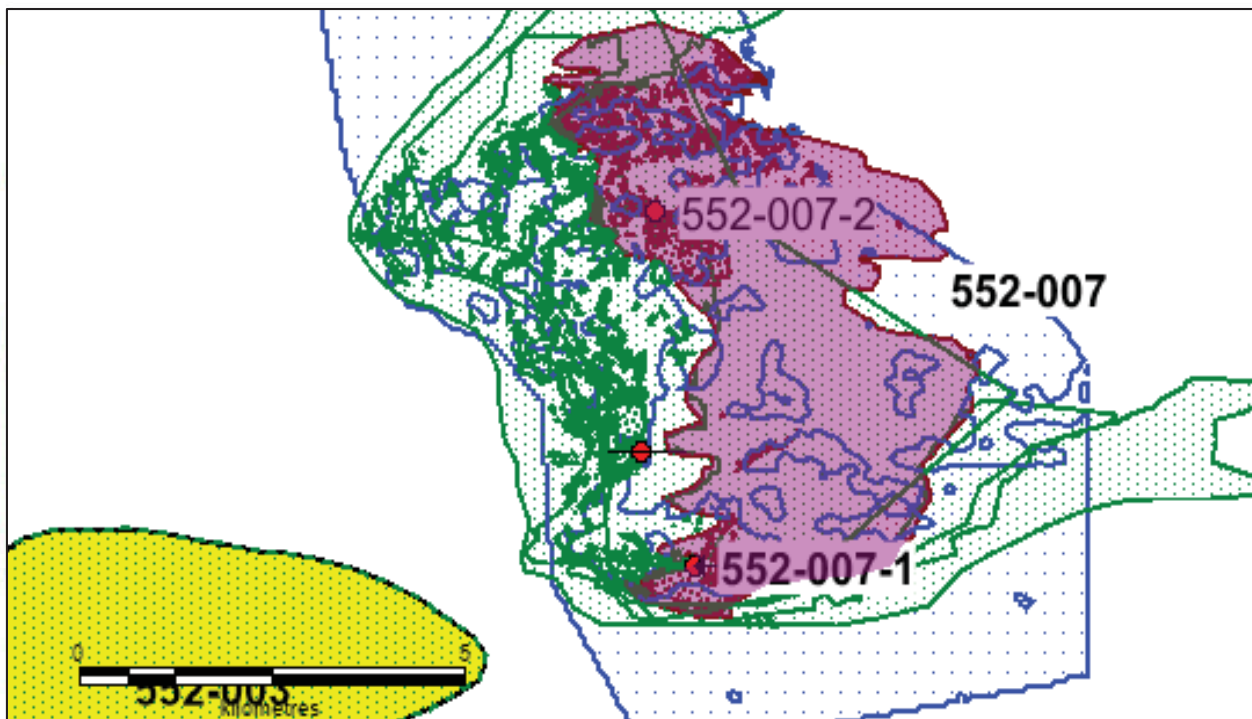
552-006-3



Line 6102300

552-006-4





552-007

Generel info:
Ingen information

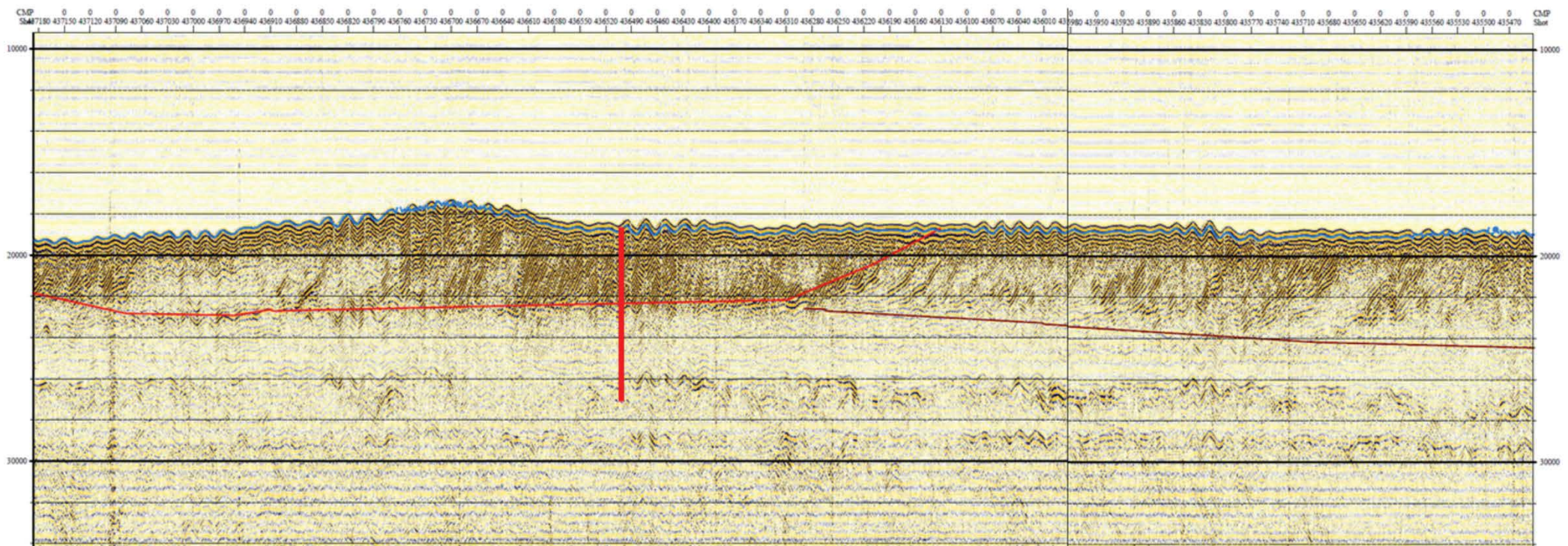
Boring navn:
522-007-1
Pos. Boring : UTM 32
750462, 6100898

Seismiske linjer: 6100900

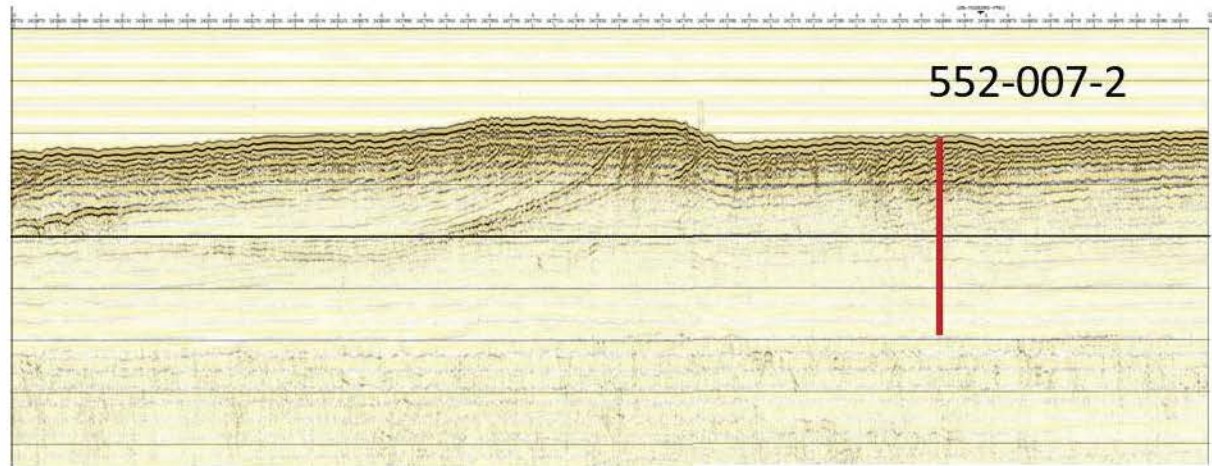
522-007-2:
749943 , 6105199

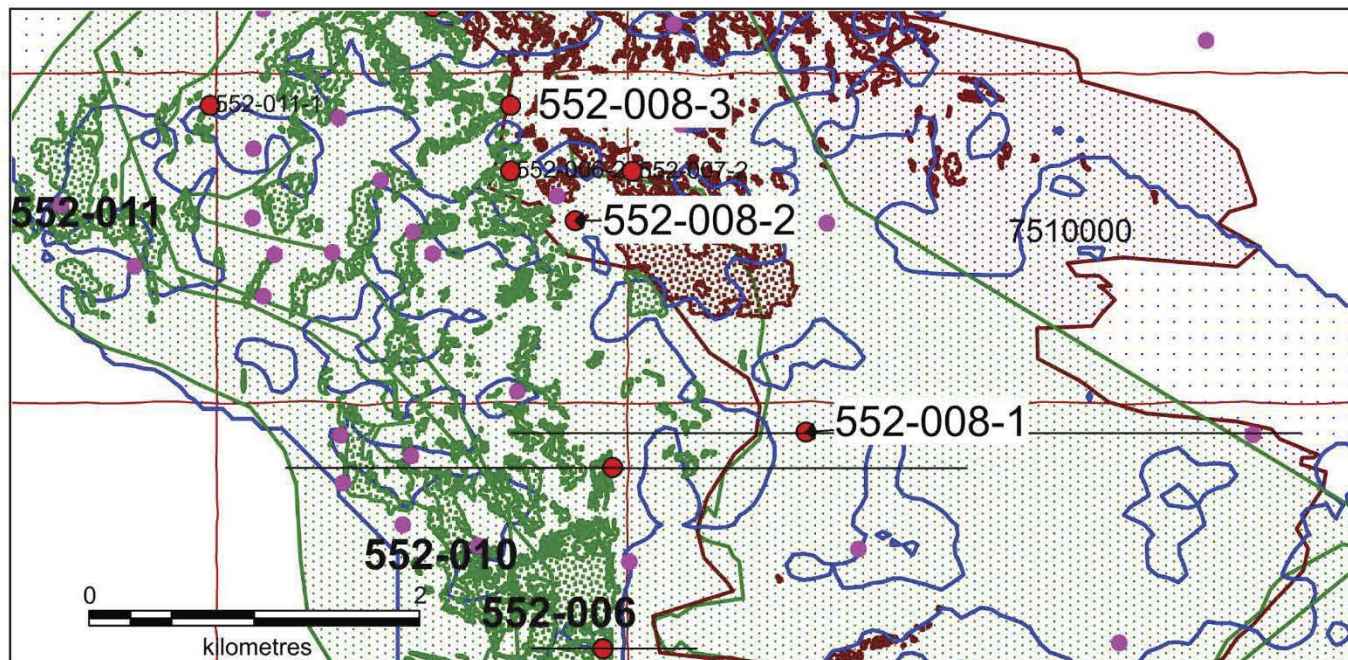
Line 6100900

552-007-1



Line 6105200





552-008

Generel info:
Ingen information

Boring navn UTM 32:

552-008-1
751000, 6103616

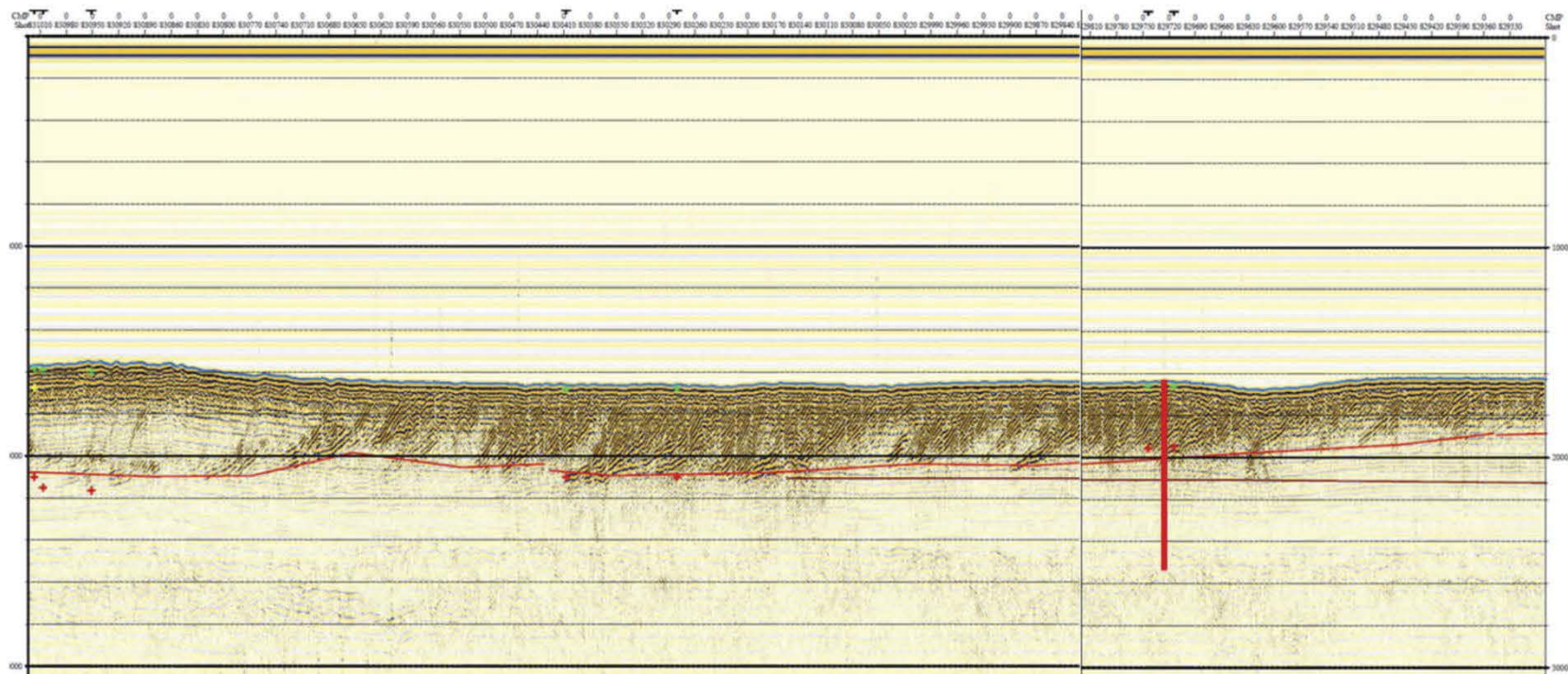
552-008-2
749.680,44 , 6.105.105,02

552-008-3
749.289,43 , 6.105.806,07

Seismiske linjer: 7510000, 6104900, 6105600

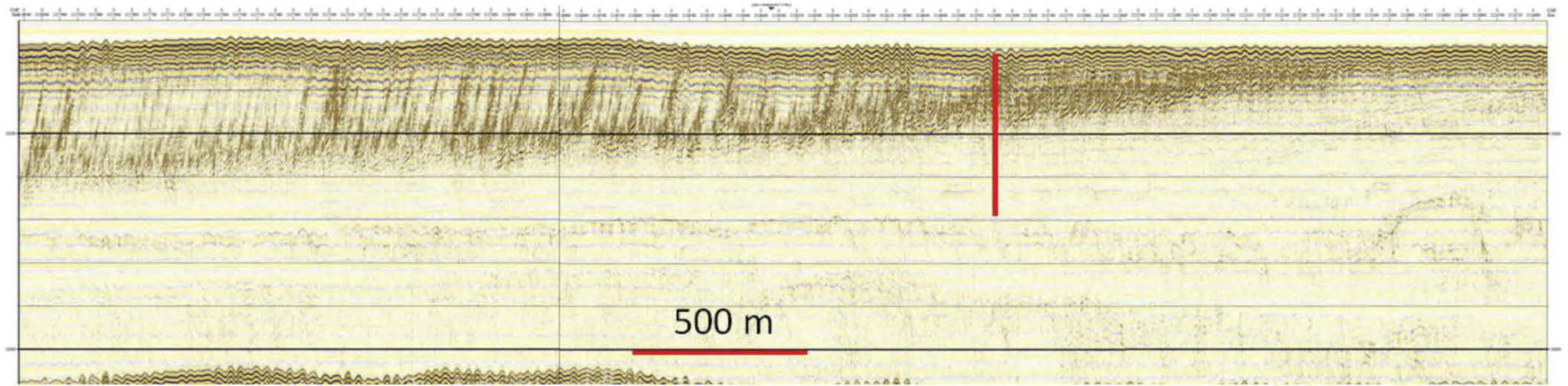
Line 7510000

552-008-1



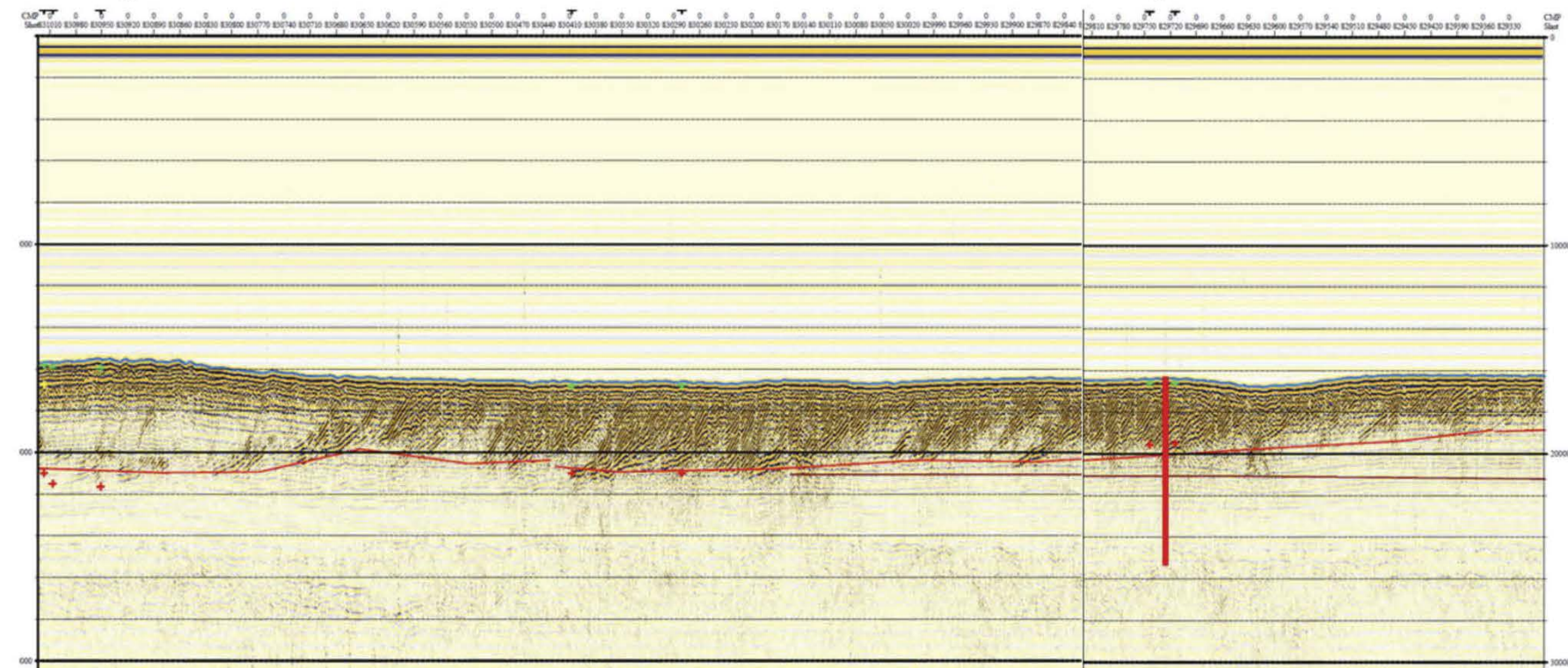
Linje 6105600

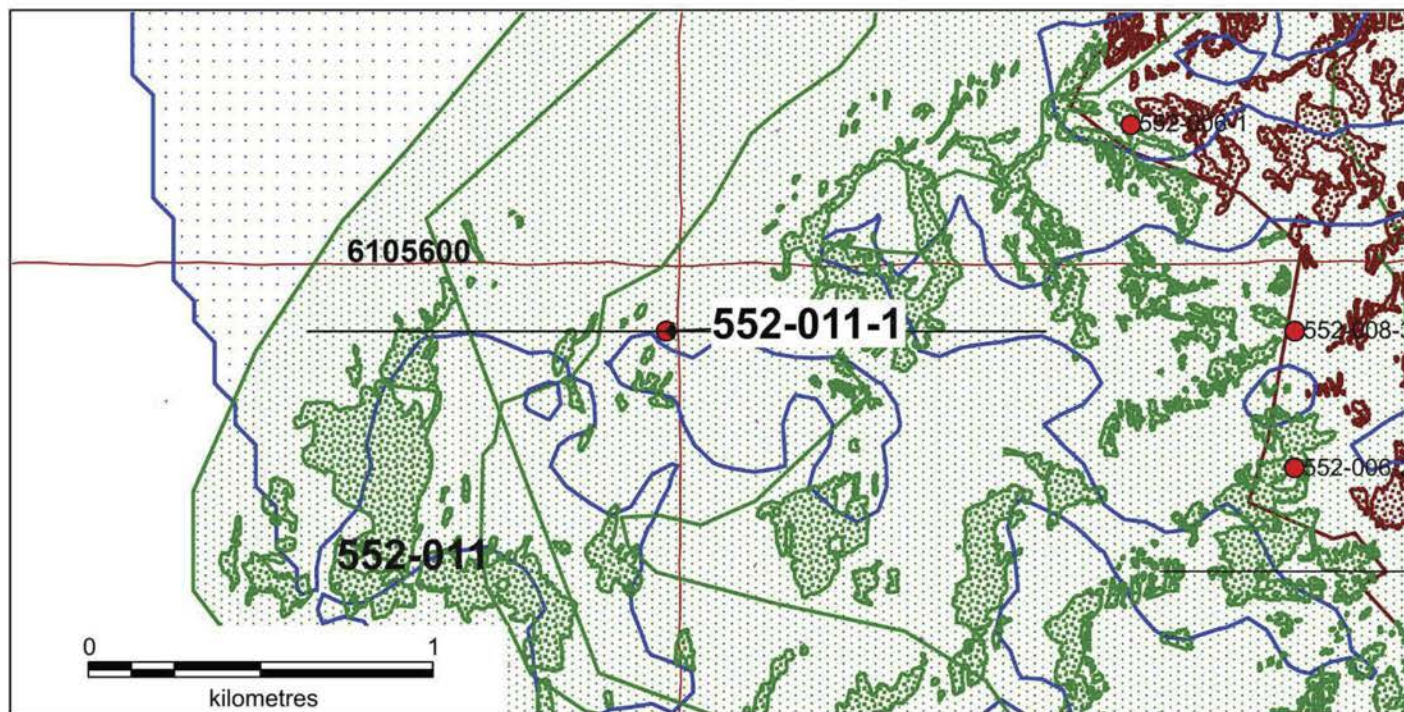
Borring 552-008-3



Linje 6104900

Borring 552-008-2





552-011

Generel info:
Ingen information

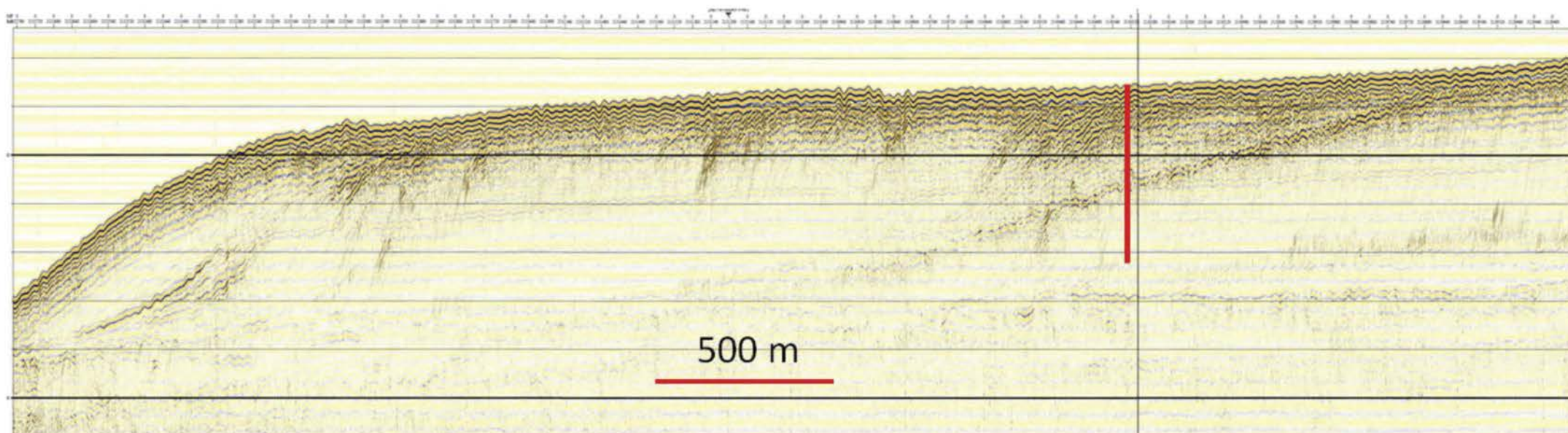
Boring navn:
522-011-1
Pos. Boring : UTM 32
522-011-1) 747373, 6105601

Seismiske linjer: 6105600

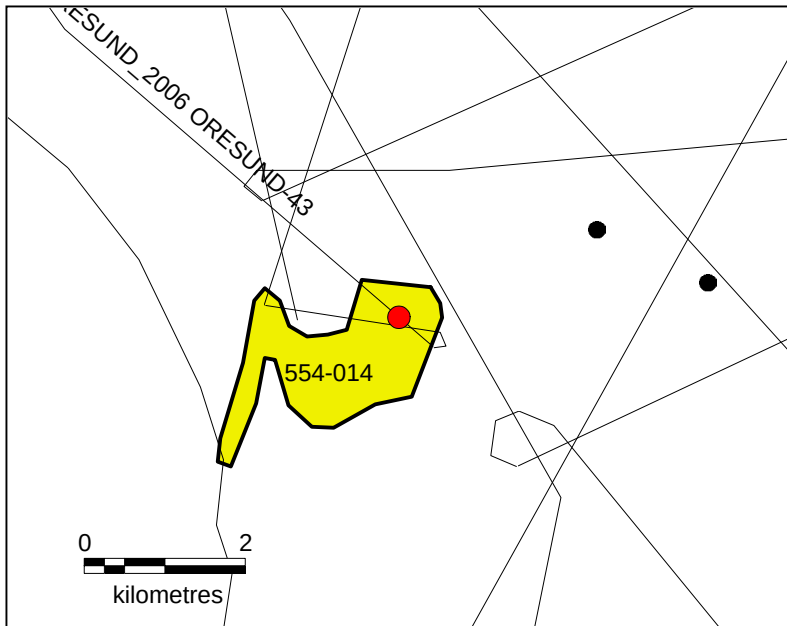
Vanddybde: ukendt

Linje 6105600

552-011-1



554-014



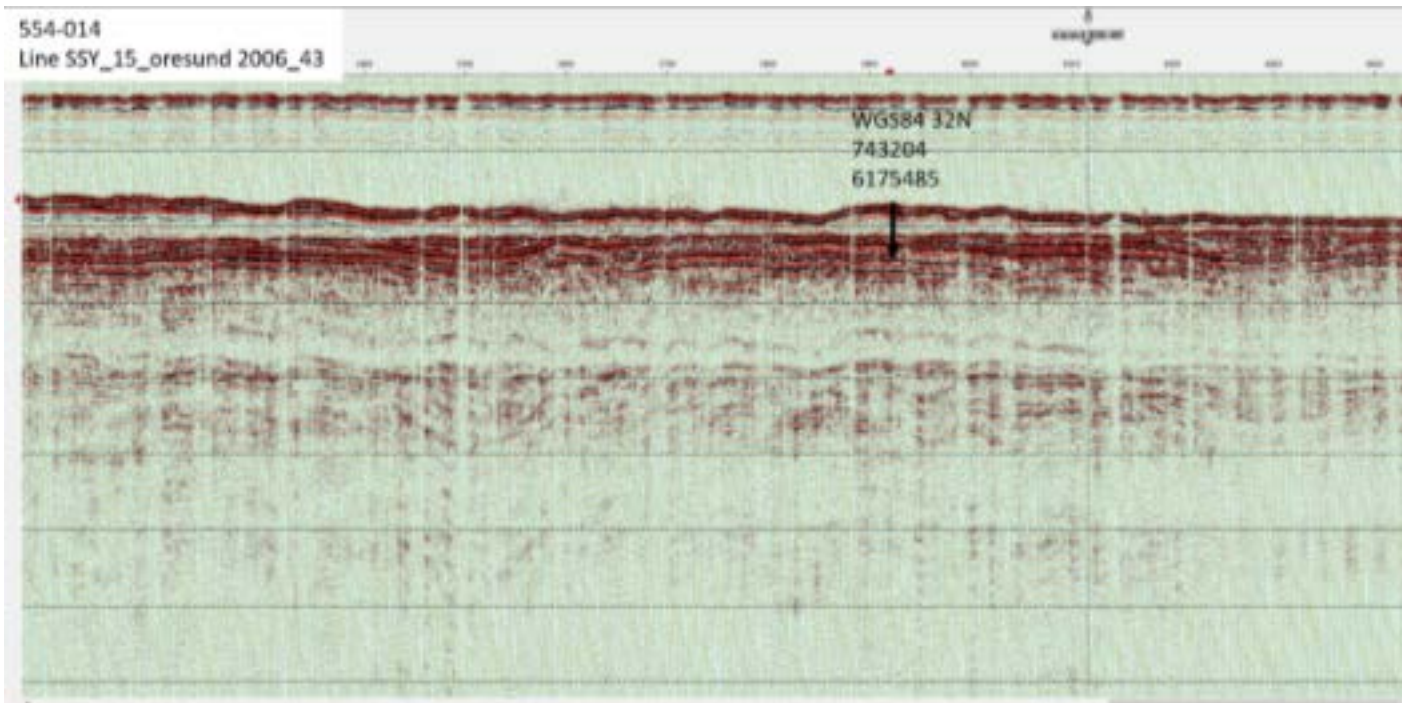
Generel info:
Postglacial saltvandssand

Pos. Boring (WGS84):
554-014-1) 743204 ; 6175485

approx vanddybde: Ukendt

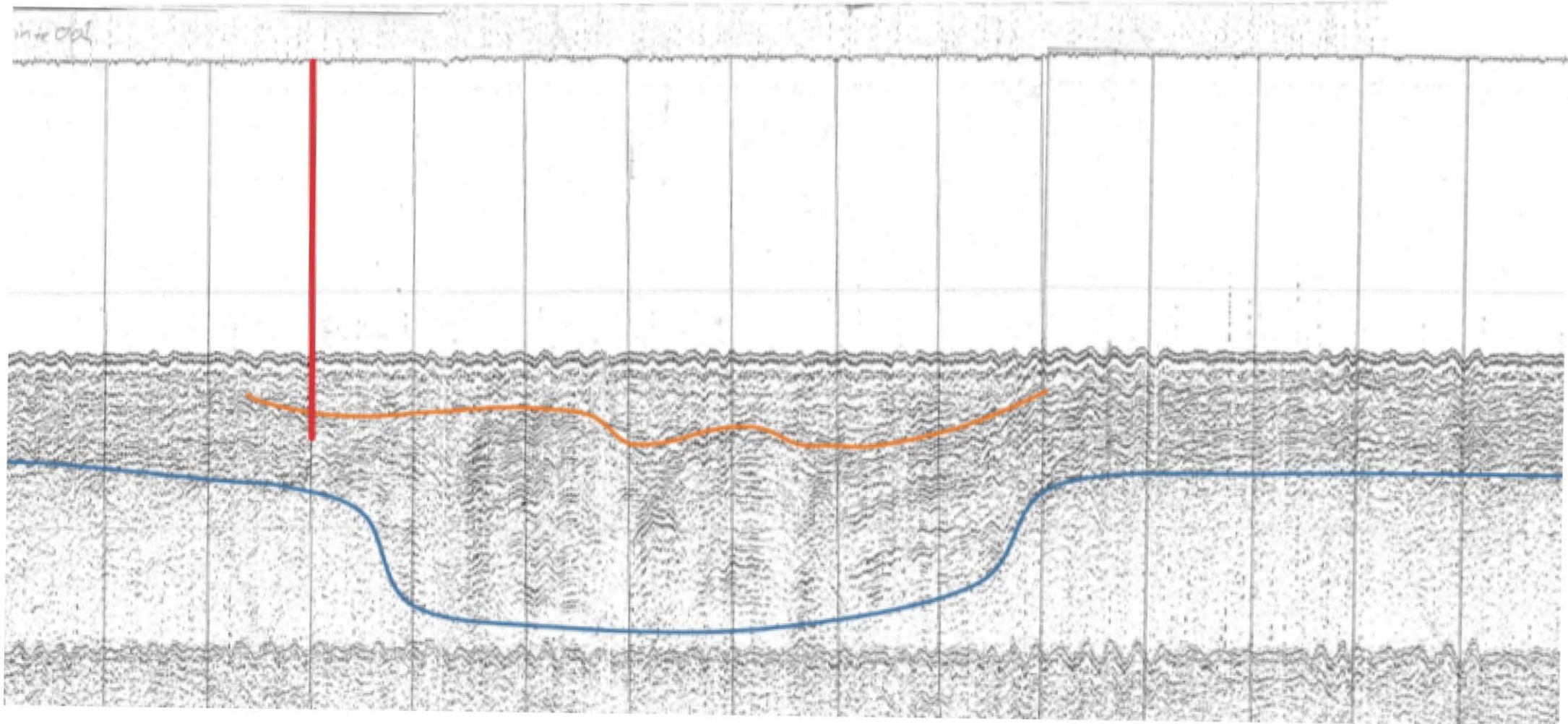
Seismiske linjer: Øresund 2006

Eksisterende boring:



552-004-1

552-004-001



560-001

Generel info:

Postglacial saltvandssand

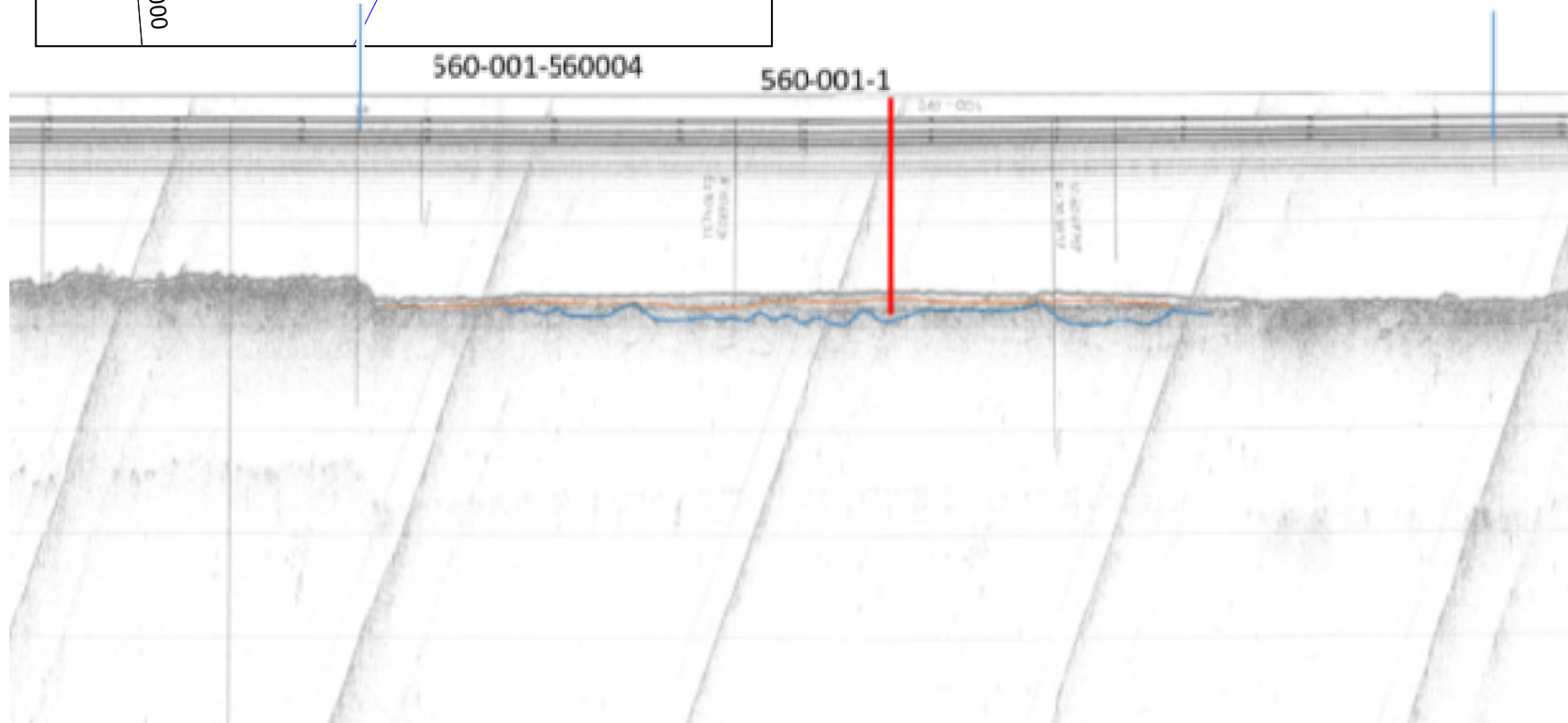
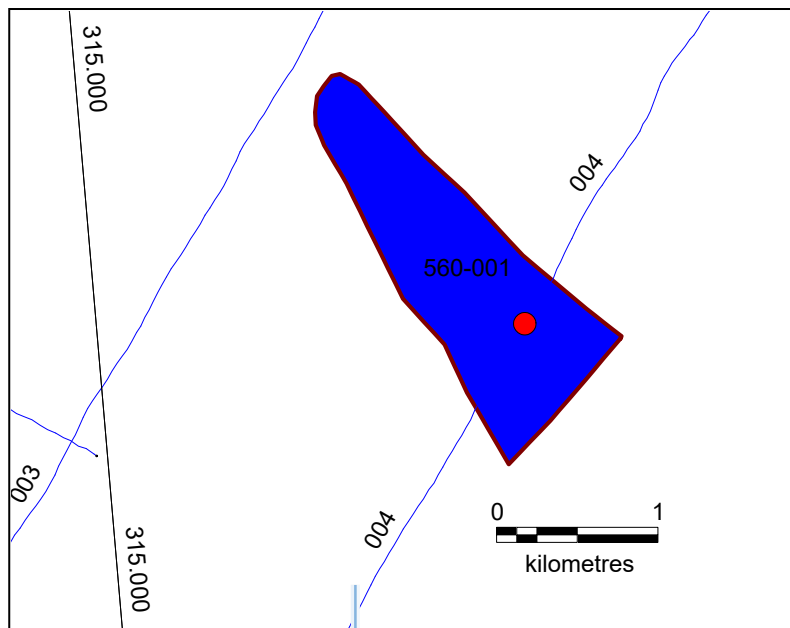
Pos. Boring (WGS84):

560-001-1) 704047,8 , 6067834,13

approx vanddybde : 18 m

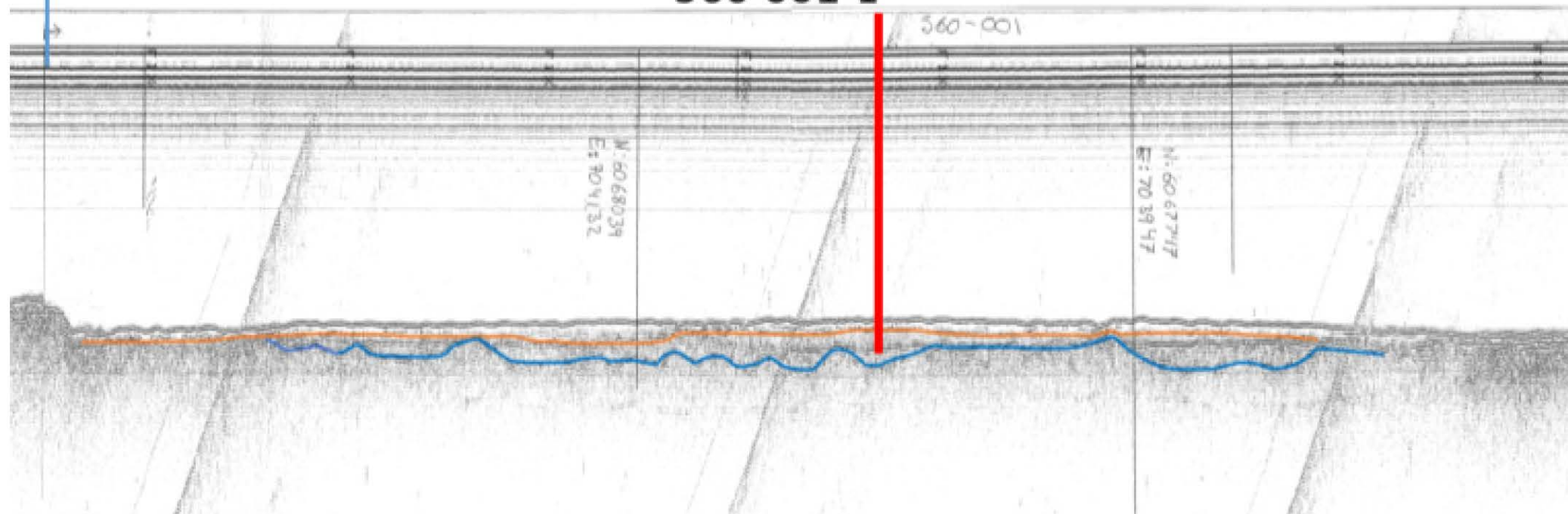
Seismiske linjer: 004

Eksisterende boring:

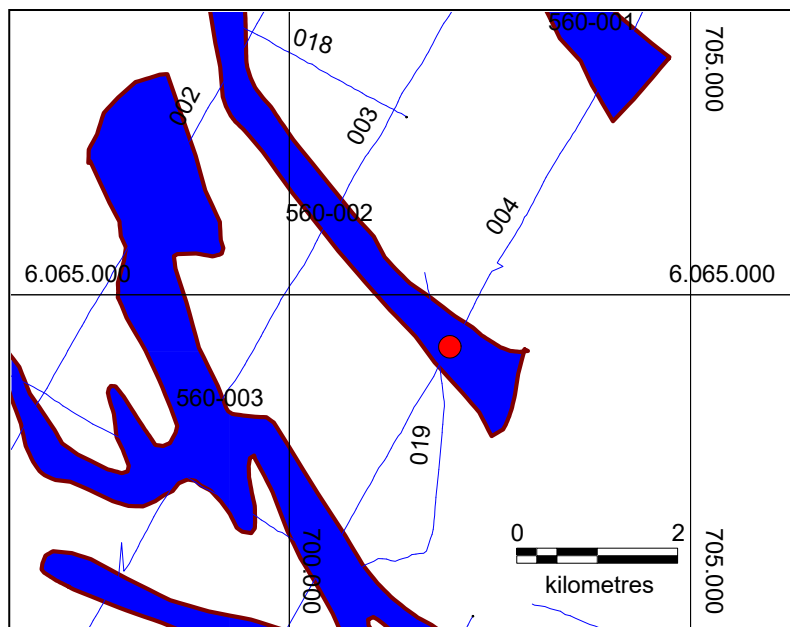


560-001-560004

560-001-1



560-002



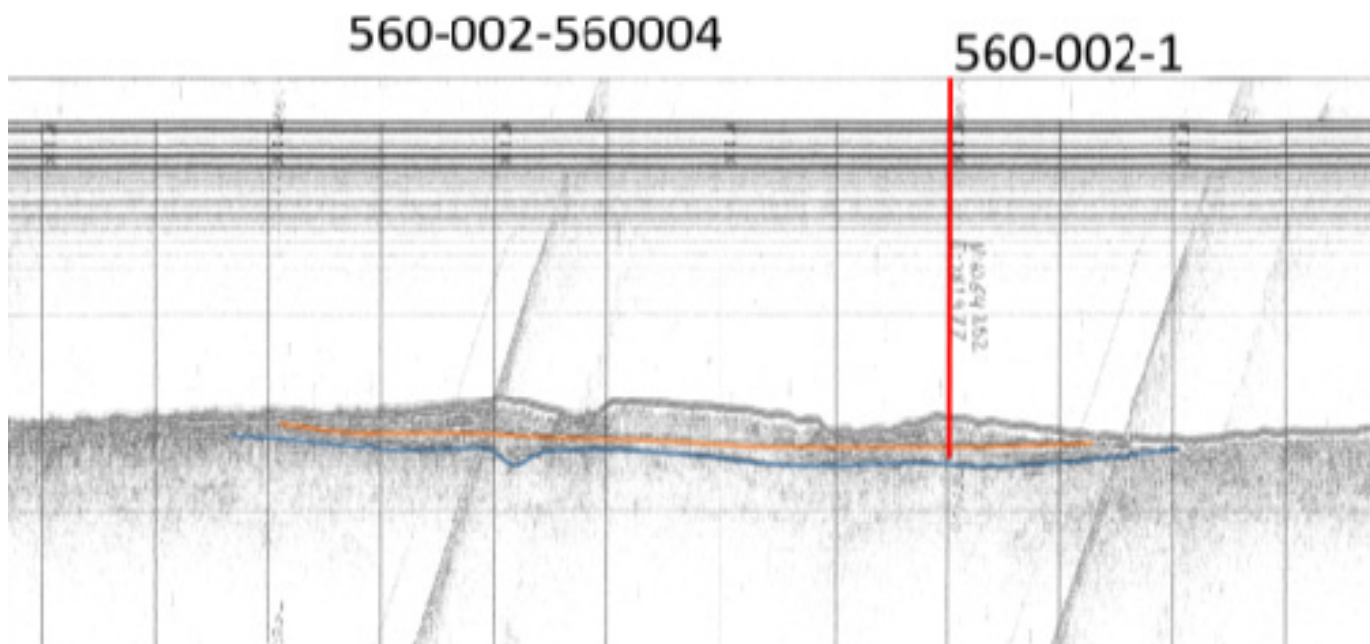
Generel info:
Postglacial saltvandssand

Pos. Boring (WGS84):
560-002-1) 701915,82 , 6064147,15

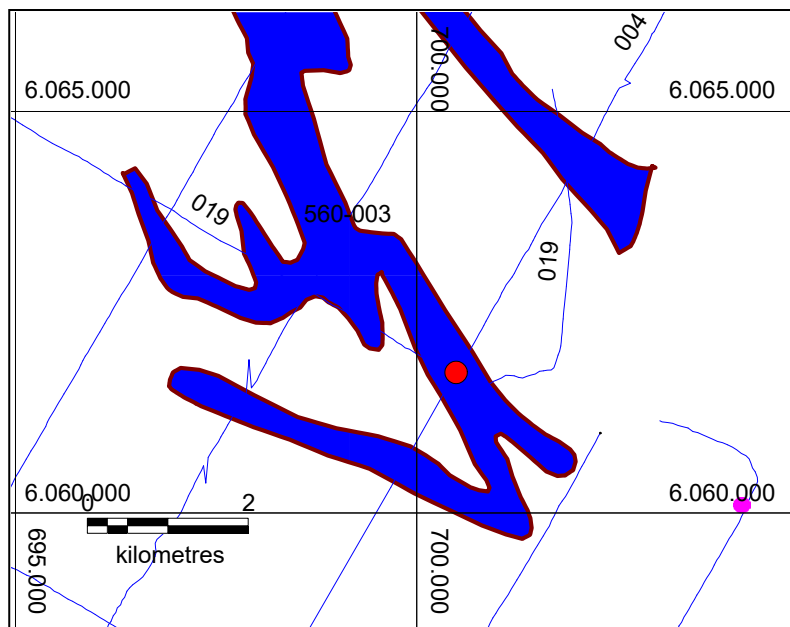
approx vanddybde : 17 m

Seismiske linjer: 004

Eksisterende boring:



560-003



Generel info:
Postglacial saltvandssand

Pos. Boring (WGS84) :
560-003-1) 700405,82 , 6061545,16

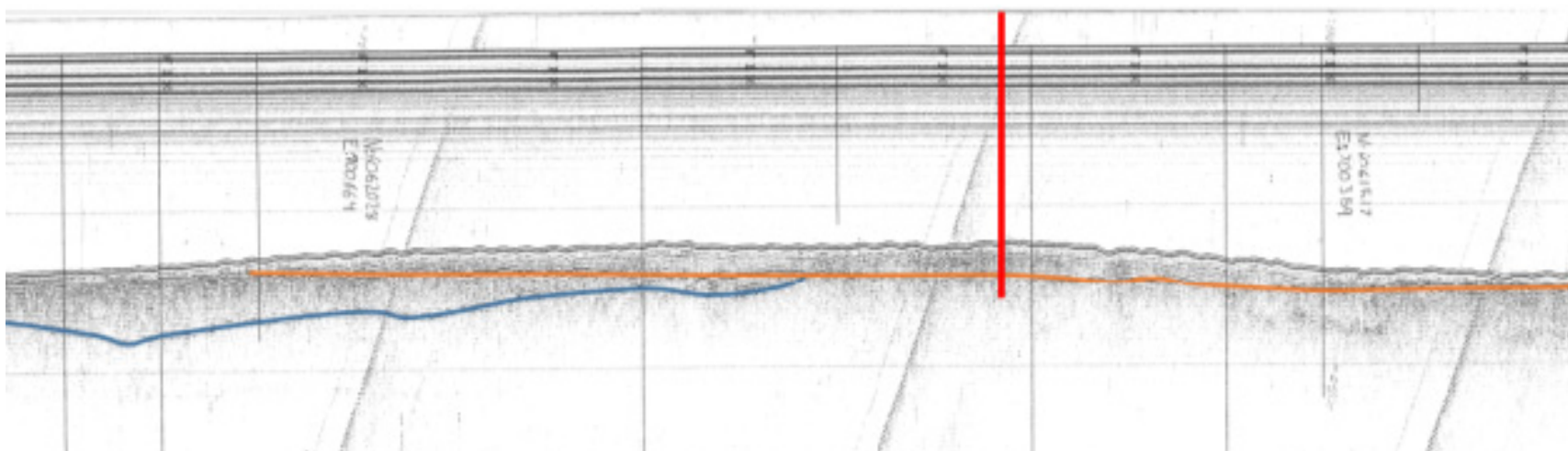
approx vanddybde 15 m

Seismiske linjer: 004

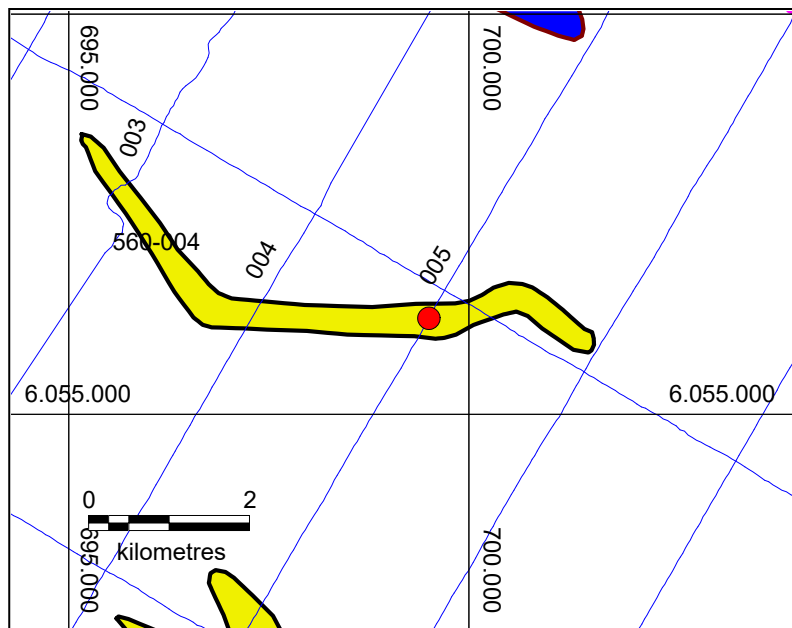
Eksisterende boring:

560-003-560004

560-003-1



560-004



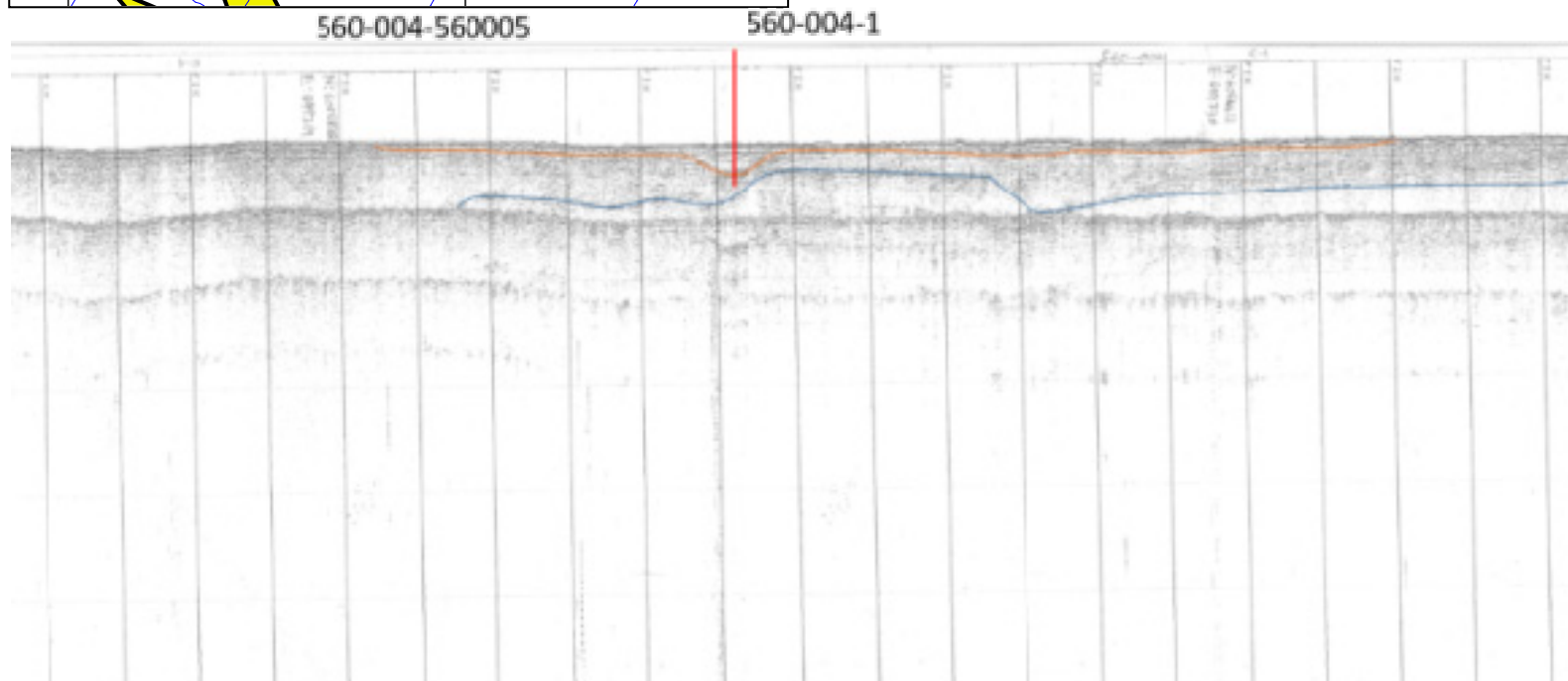
Generel info:
Postglacial saltvandssand

Pos. Boring (WGS84):
560-004-1) 699415,82 , 6055995,19

approx vanddybde : 14 m

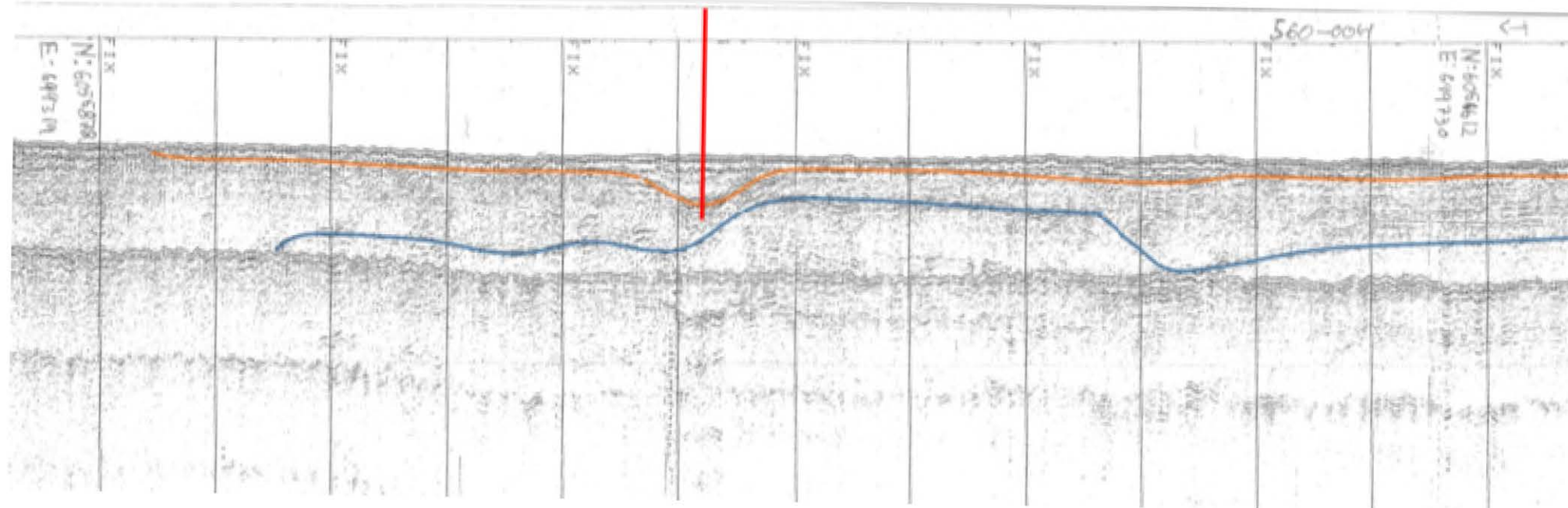
Seismiske linjer: 005

Eksisterende boring:



560-004-560005

560-004-1



560-005b

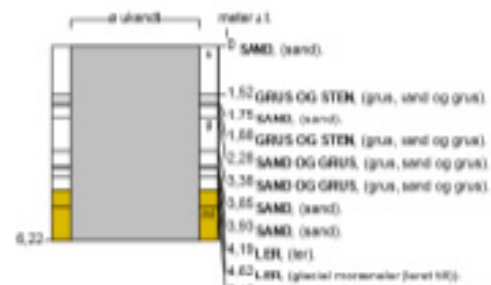
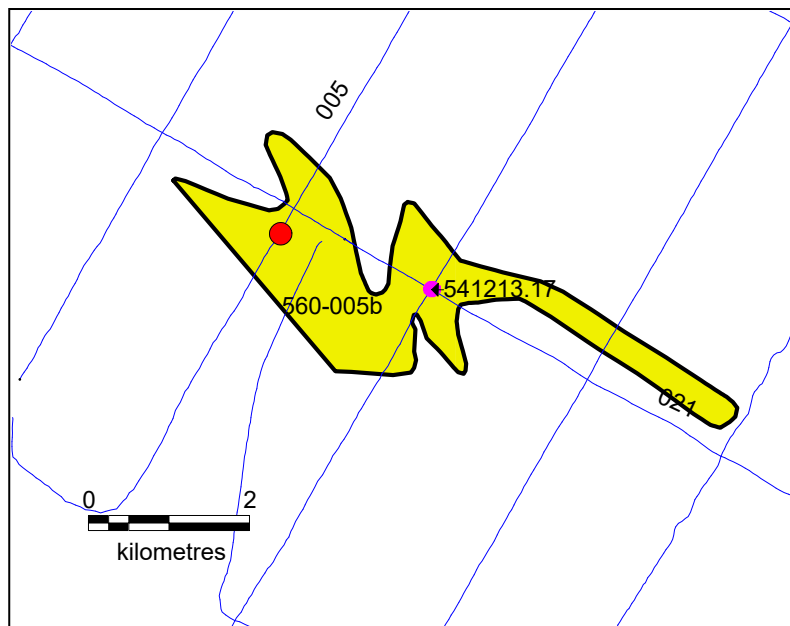
Generel info:
Postglacial saltvandssand

Pos. Boring (WGS84):
560-005b-1) 696851,84 , 6051577,22

approx vanddybde : 10 m

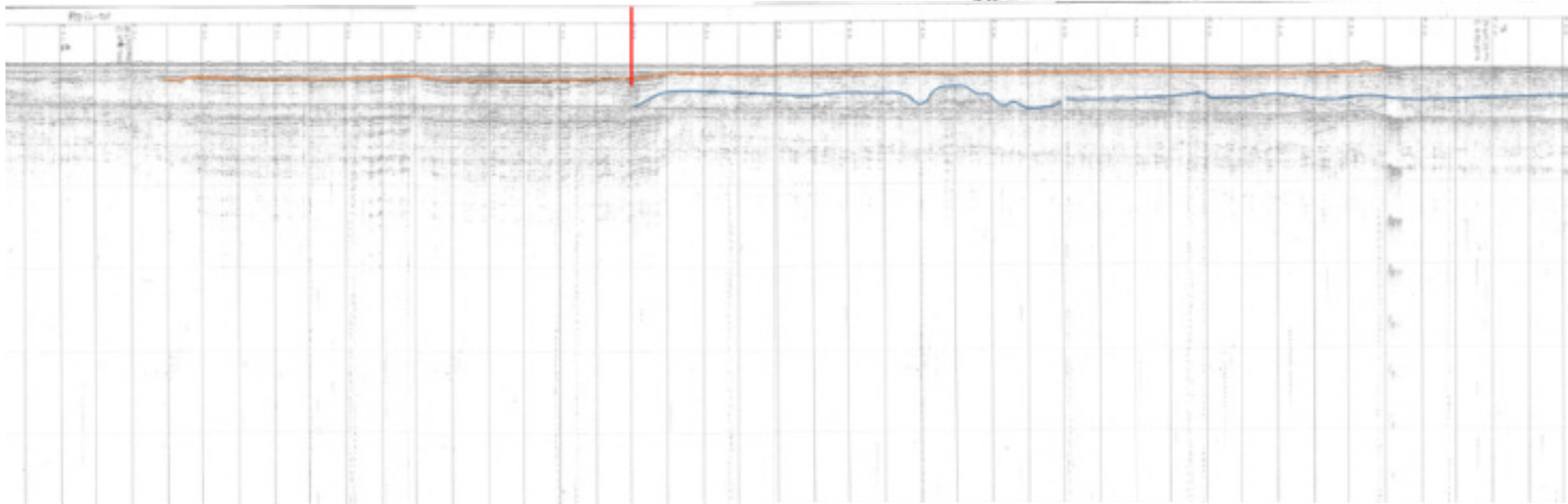
Seismiske linjer: 005 , 021

Eksisterende boring: 541213.17



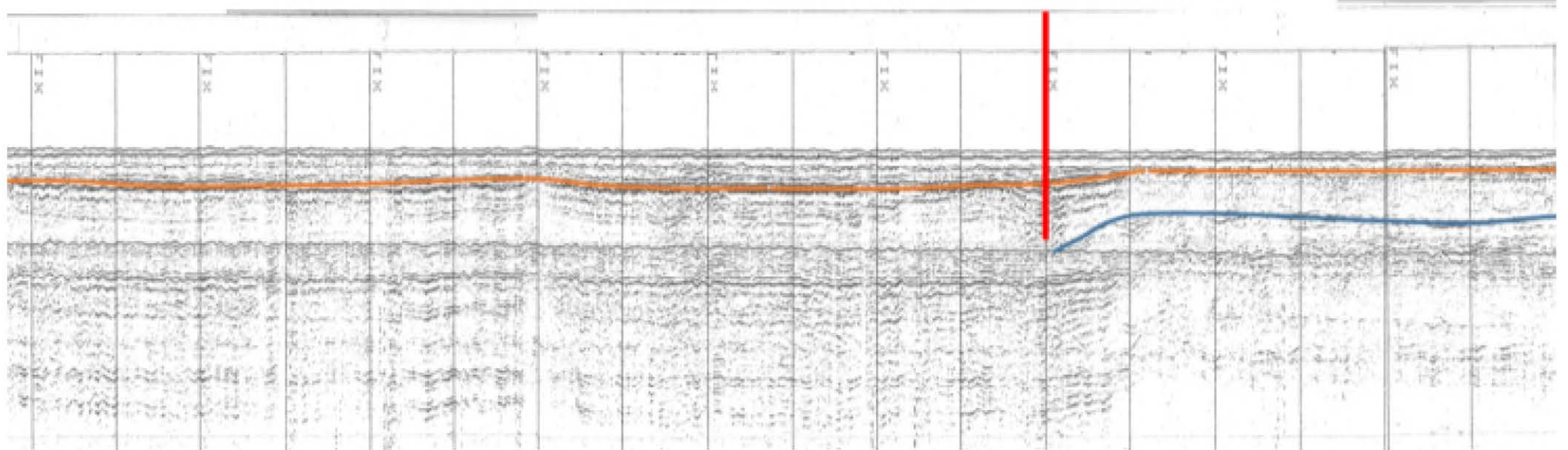
560-005-560005

560-005-1



560-005-560005

560-005-1



564-002

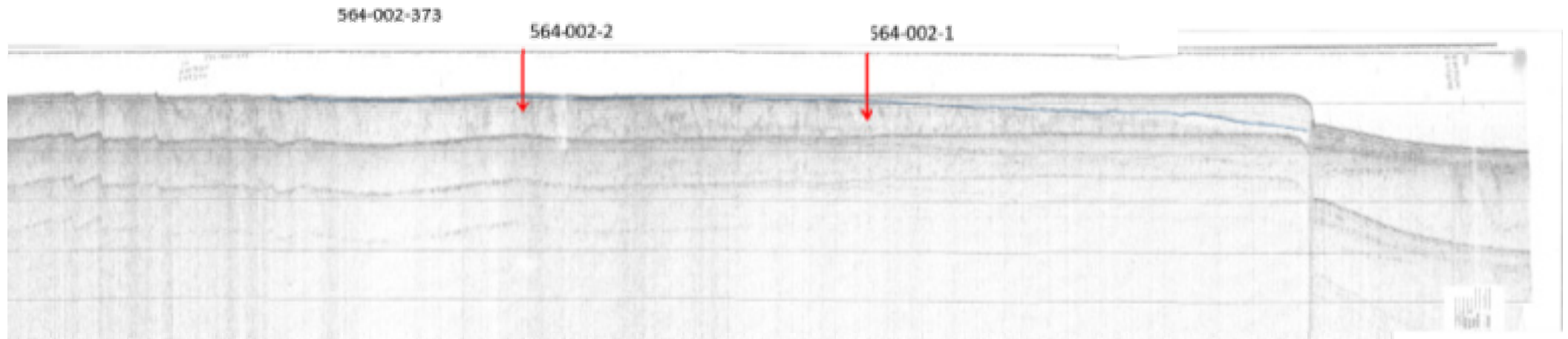
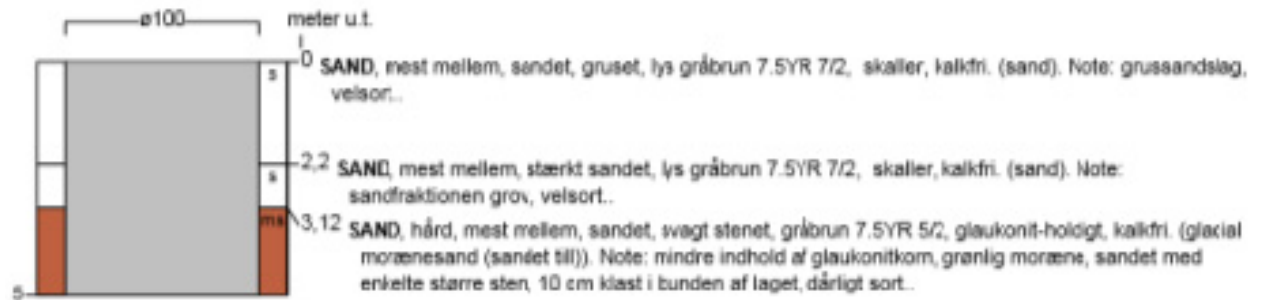
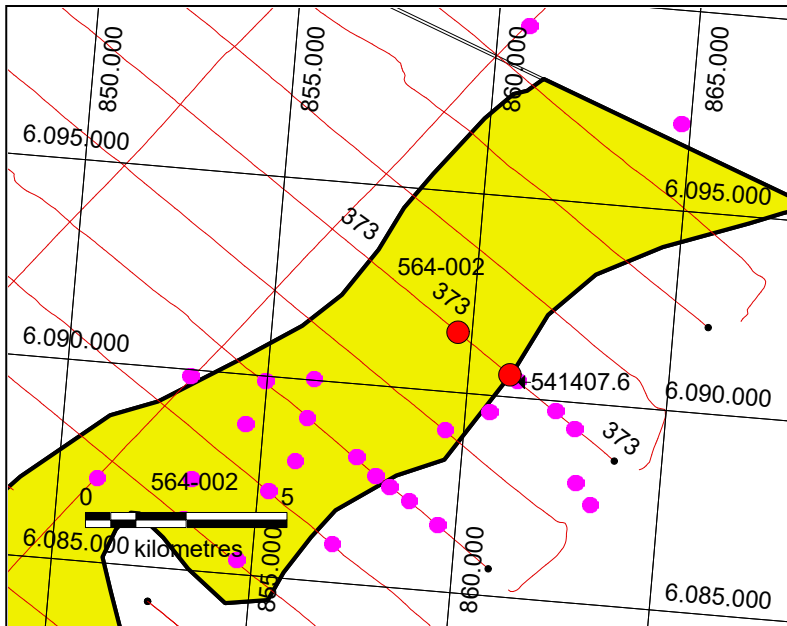
Generel info:
Postglacial saltvandssand

Pos. Boring : (WGS84)
542-002-1) 474411 , 6076981,78
542-002-2) 475705 , 6075918,77

approx vanddybde: 16 m

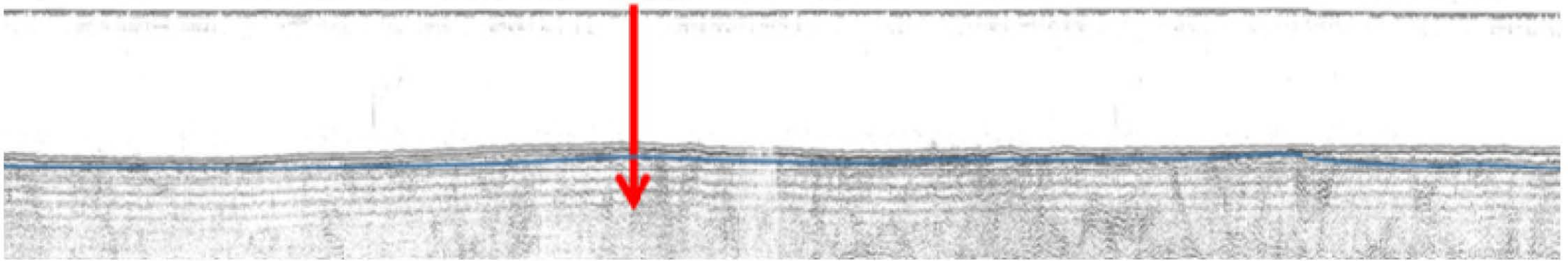
Seismiske linjer: 526

Eksisterende boring: 541407.6

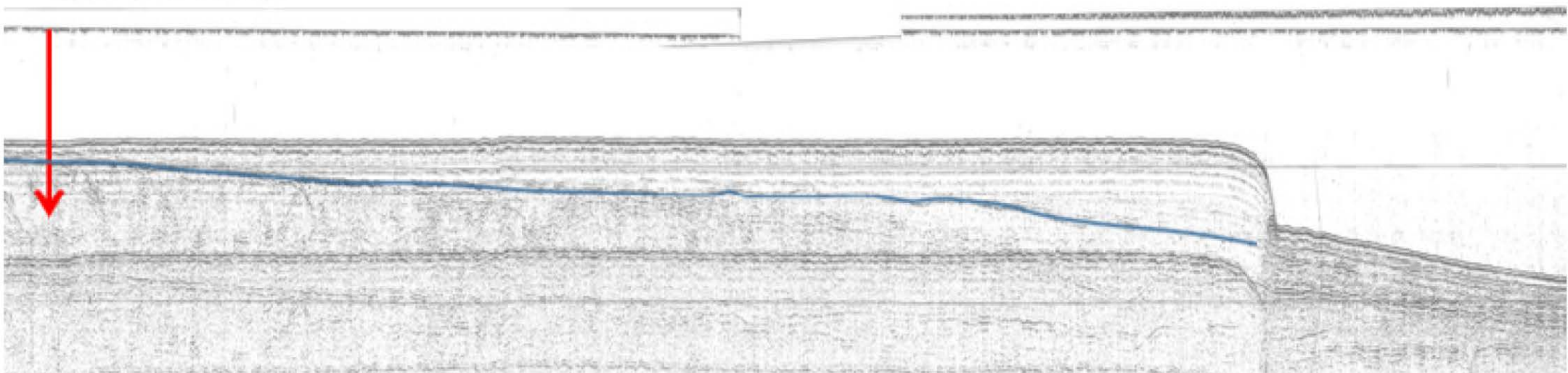


564-002-373

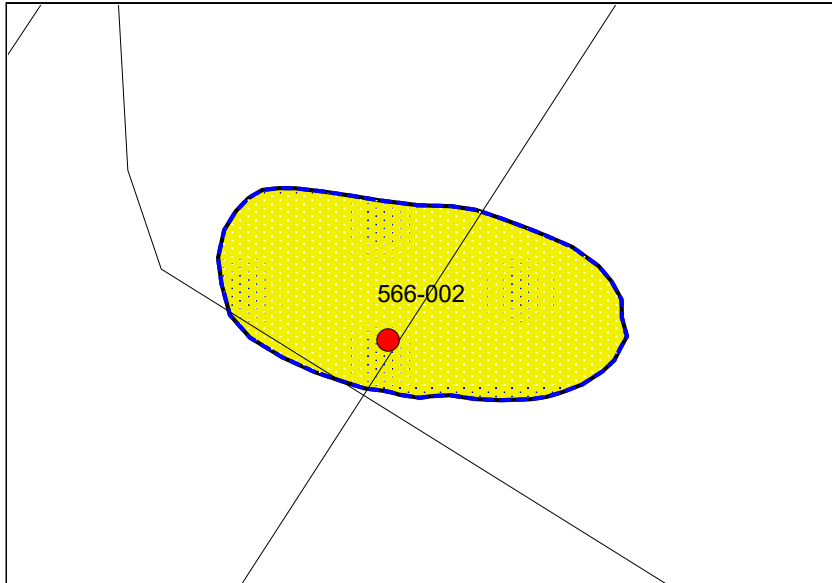
564-002-2



564-002-1

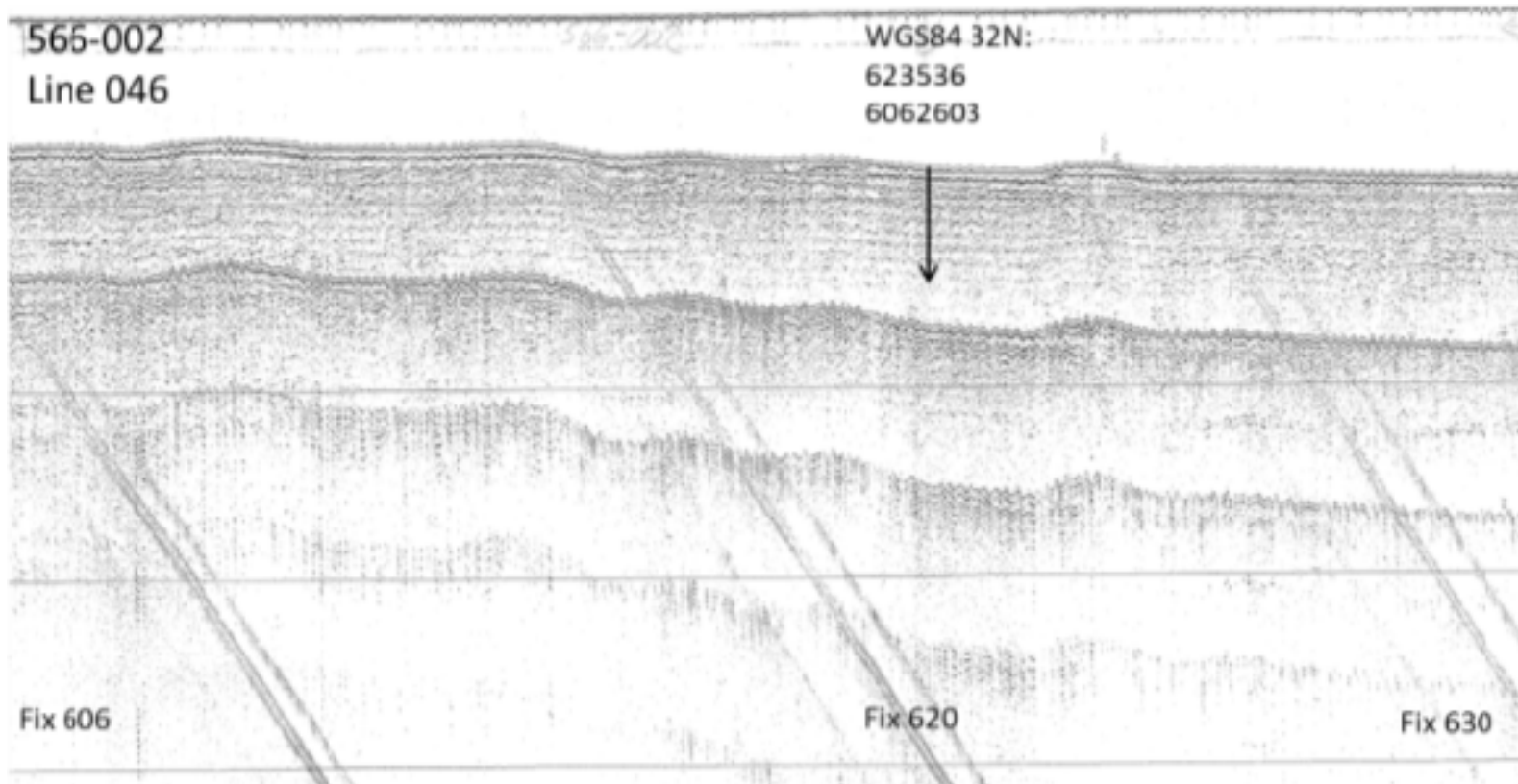


566-002

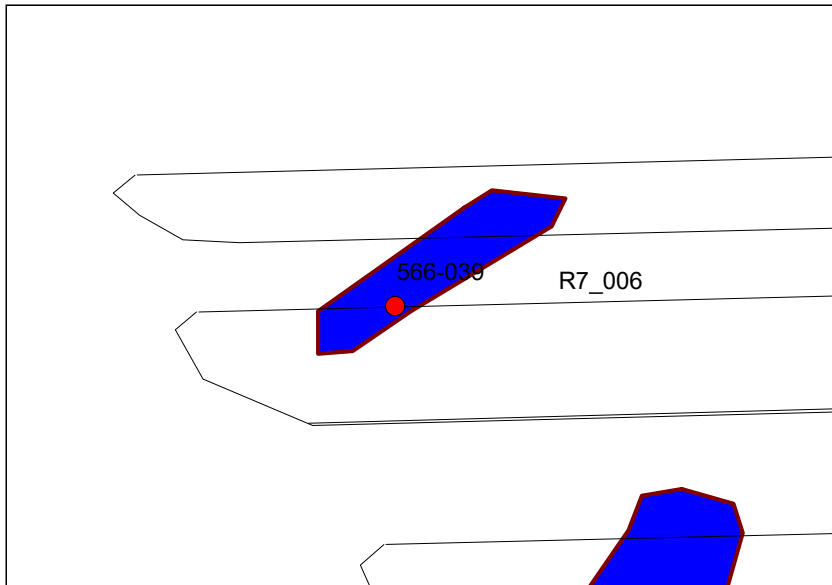


General info:
postglacial saltvandssand

Pos. boring (WGS84 32N):
566-002-1) 623536 , 6062603



566-039

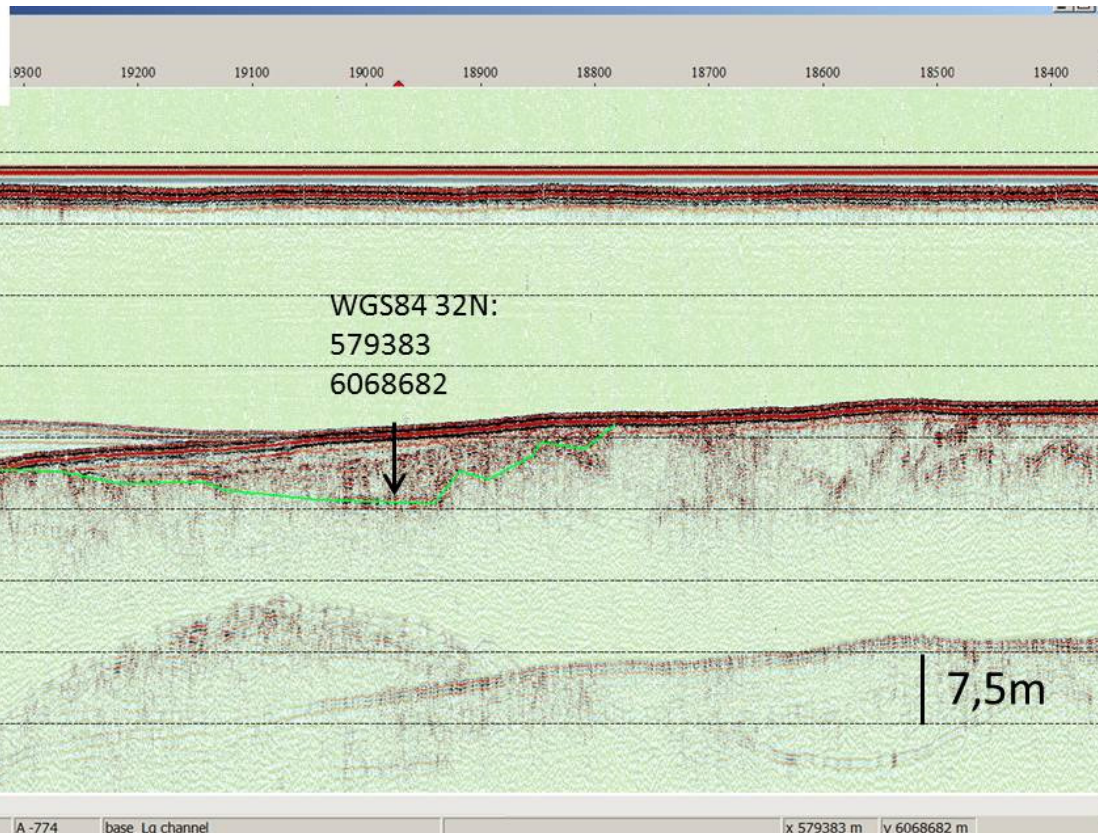


Generel info:
senglacial ferskvandssand

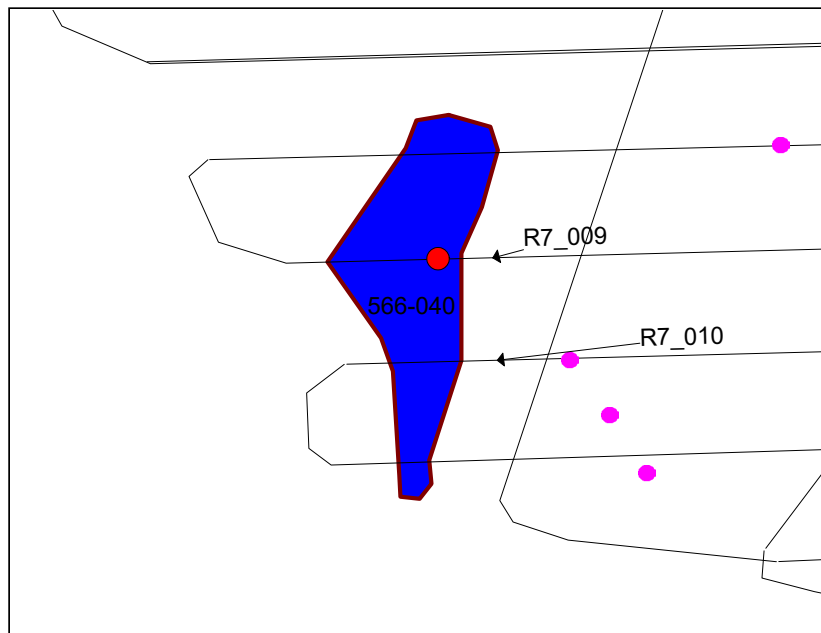
Pos. boring (WGS84 32N):
566-039-01: 579383, 6068682

Vanddybde ca. 25m

Vejsnæs syd– 566-039
Line: Vejsnaes_R7_006



566-040

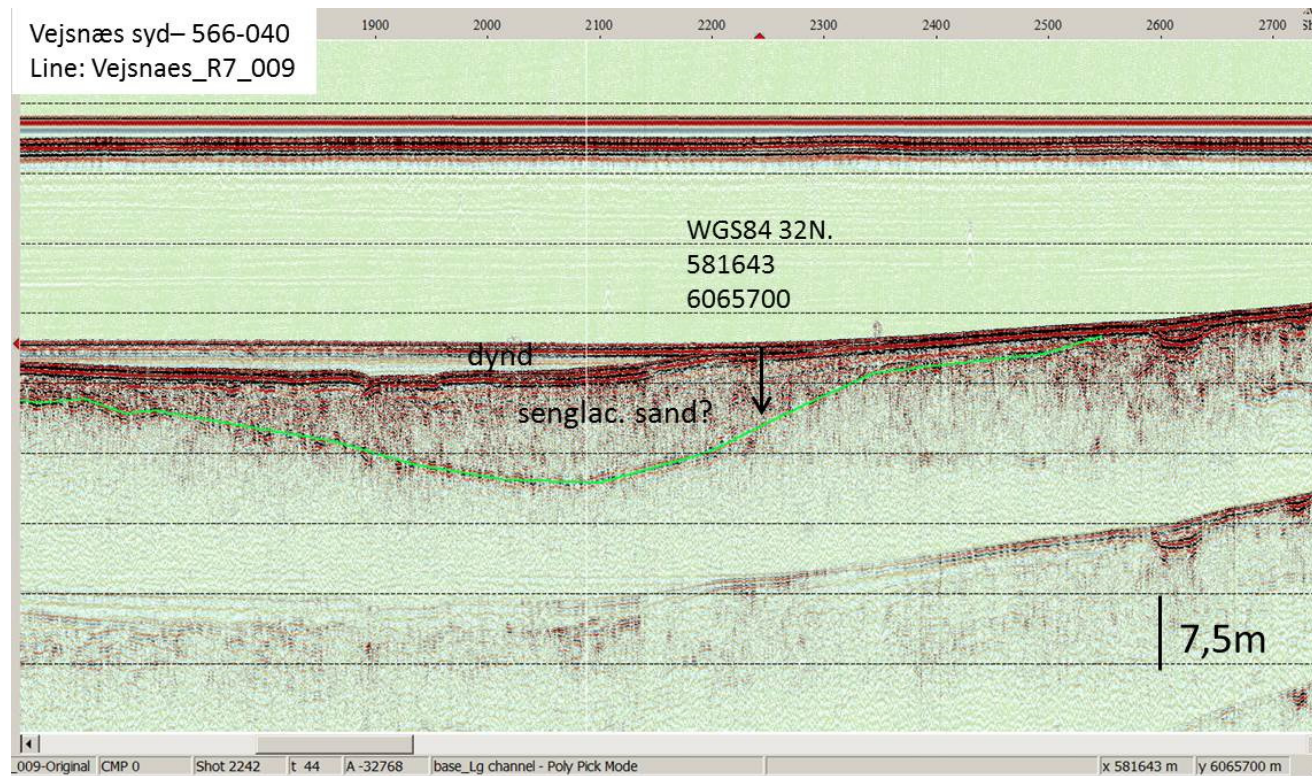


Generel info:
senglacial ferskvandssand

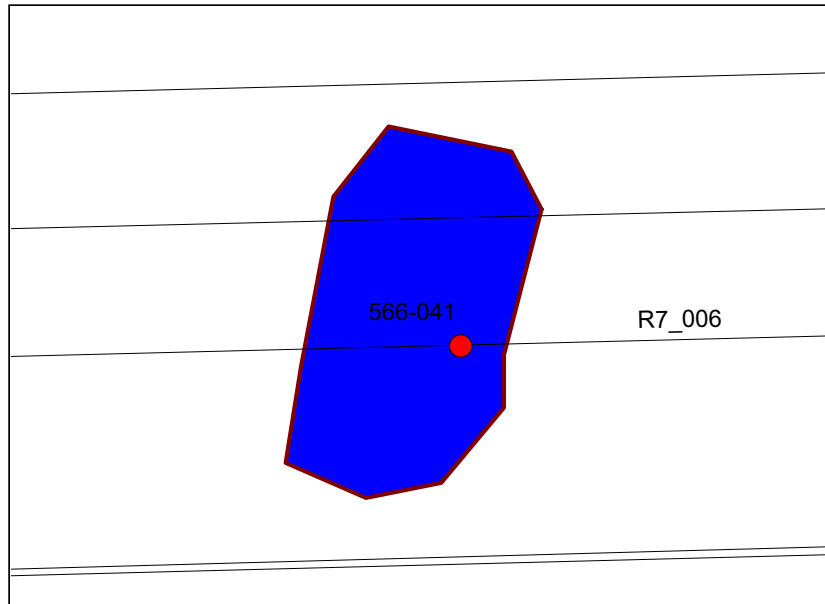
Pos. boring (WGS84 32N):
566-040-01: 581643 , 6065700

vanddybde ca. 23m

Vejsnæs syd- 566-040
Line: Vejsnaes_R7_009



566-041

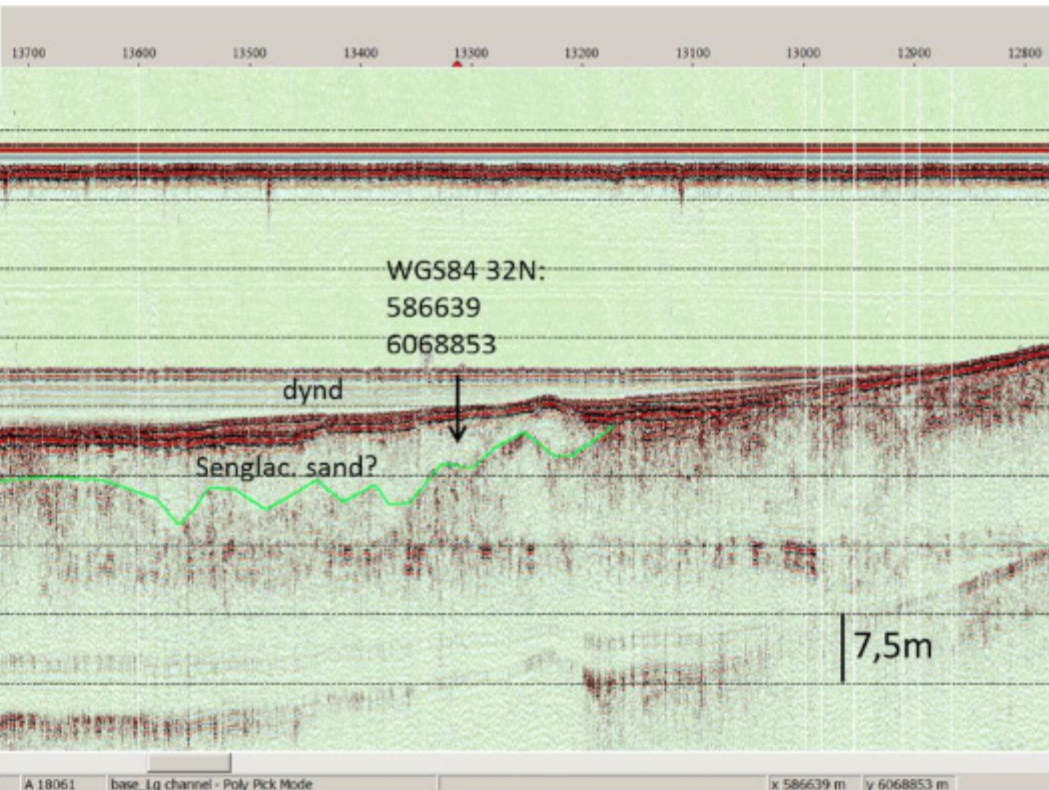


Generel info:
senglacial ferskvandssand

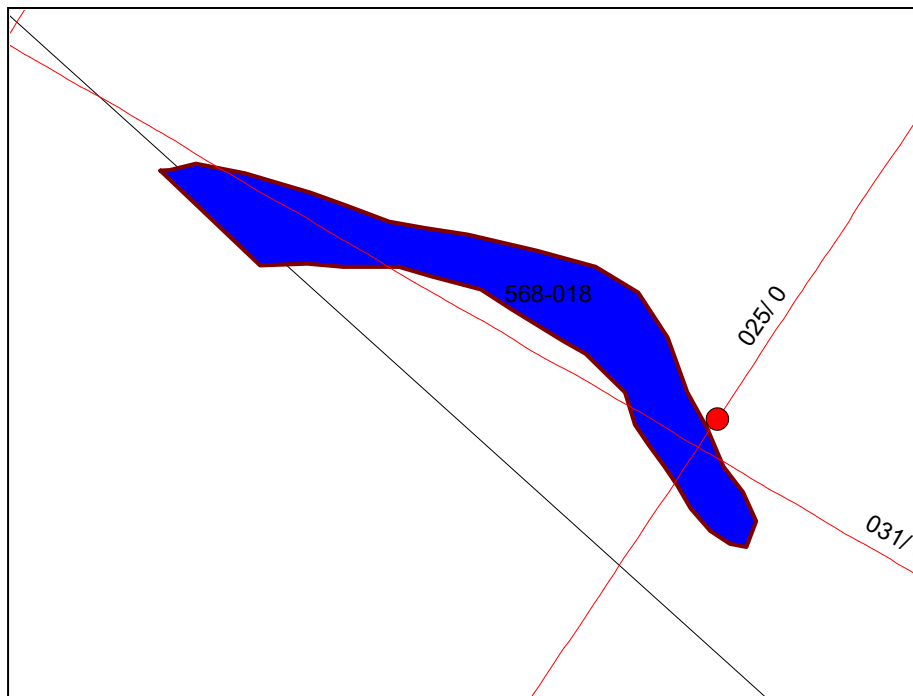
Pos. boring (WGS84 zone 32N):
566-039-01: 586639, 6068853

Vanddybde ca. 23m

Vejsnæs syd- 566-041
Line: Vejsnaes_R7_006

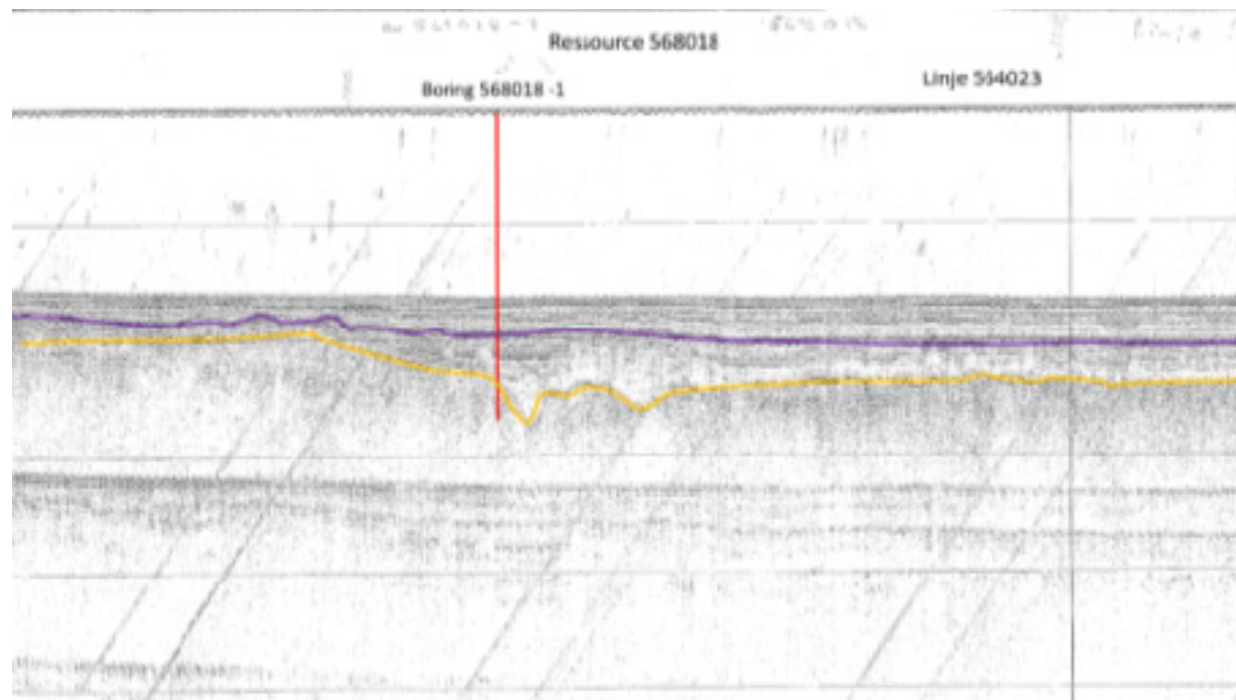


568-018

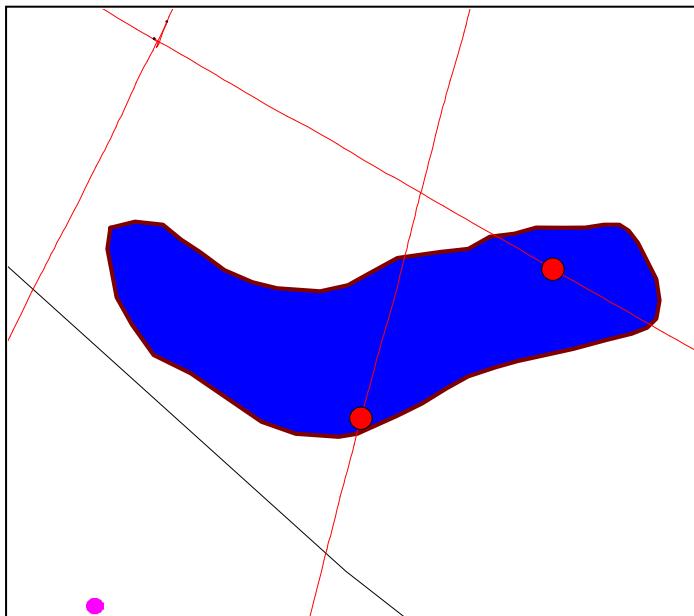


General info:
senglacial ferskvandssand

Pos. boring (WGS84 zone32):
568-018-01:
655296,05 ; 6046210,26
Vanddybde: 30 m



568-019



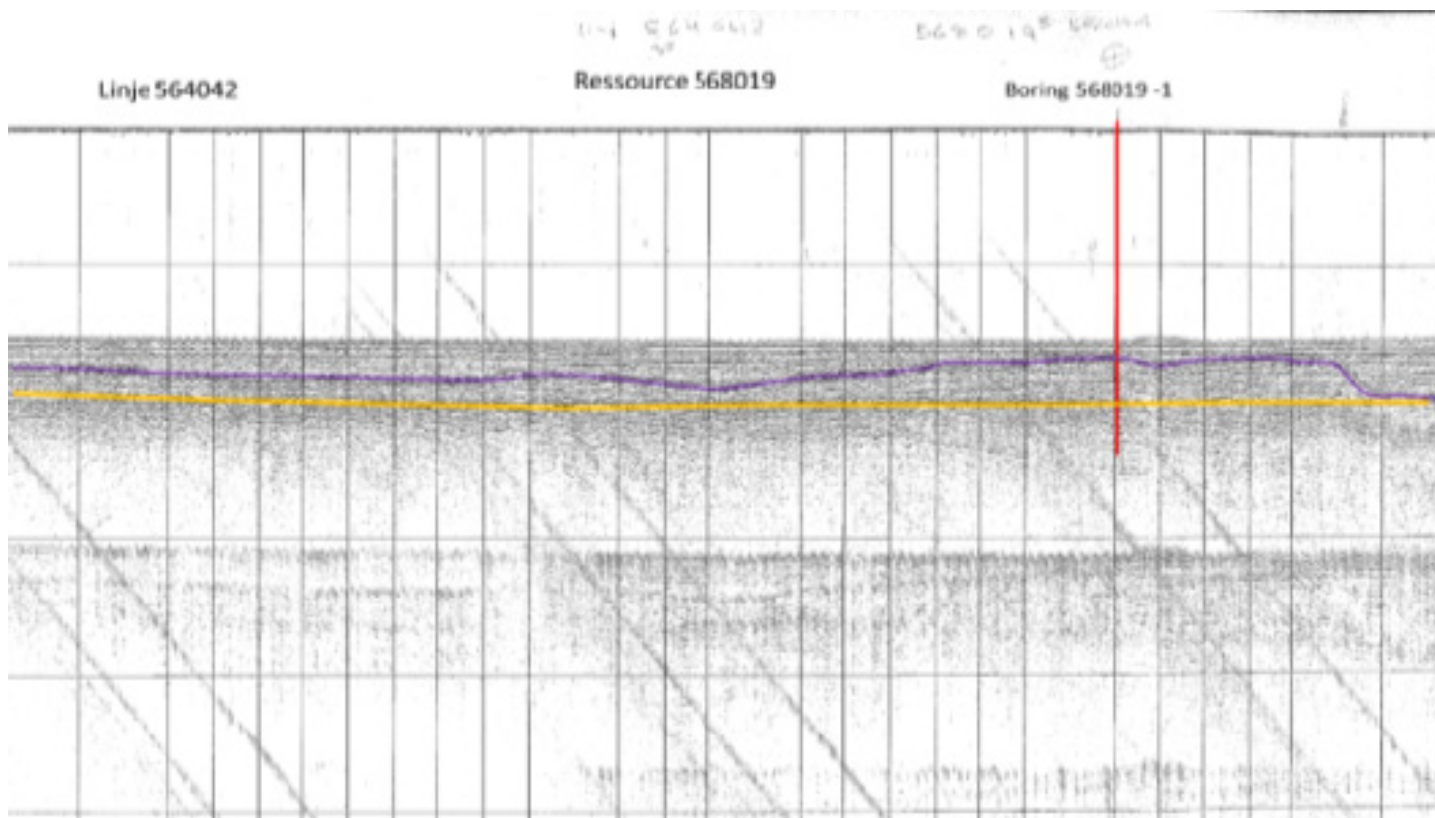
Generel info:
senglacial ferskvandssand

Pos. boring (WGS84 zone32):

568-019-01:
660784,02 ; 6040871,29

568-019-02:
662173,02 ; 6041948,28

Vanddybde: 30 m



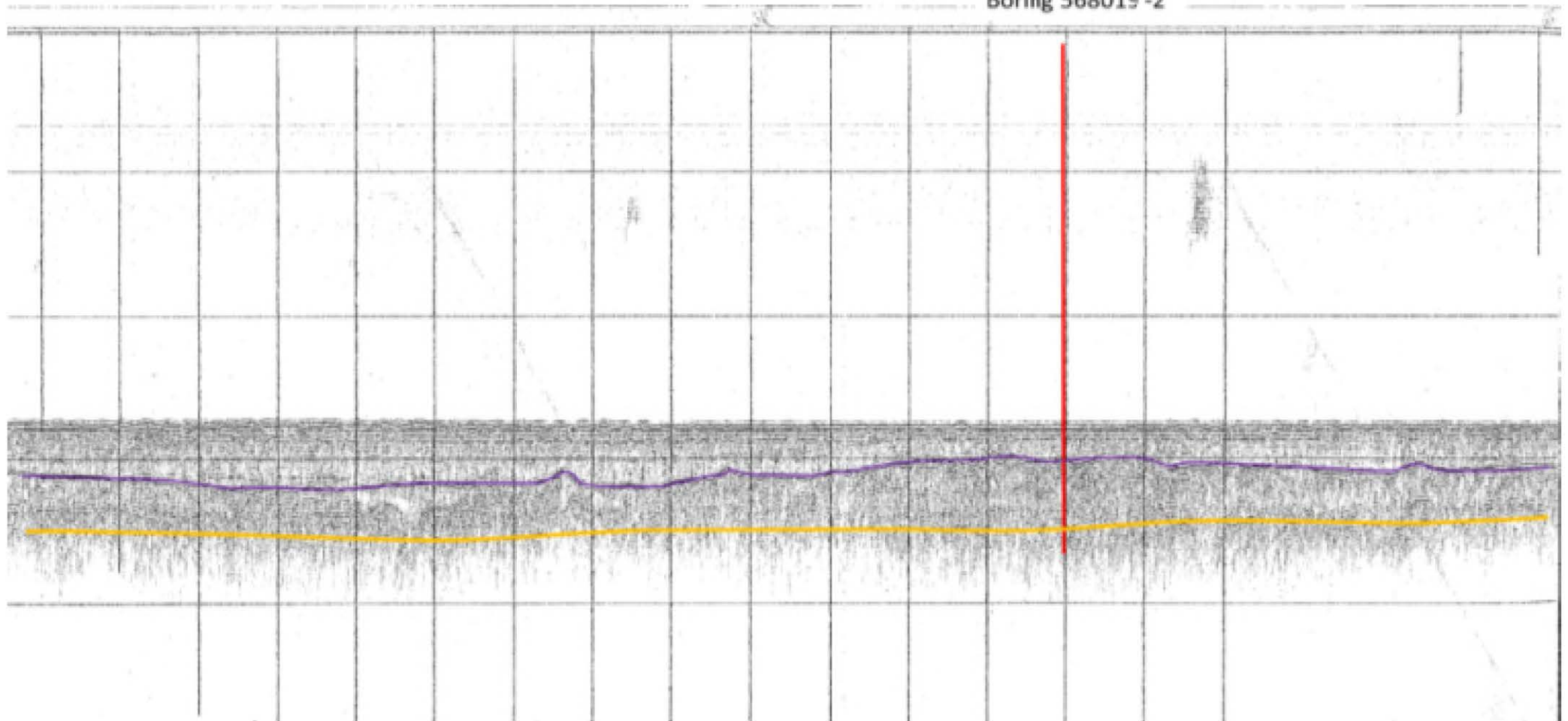
Linje 564023

568019-2

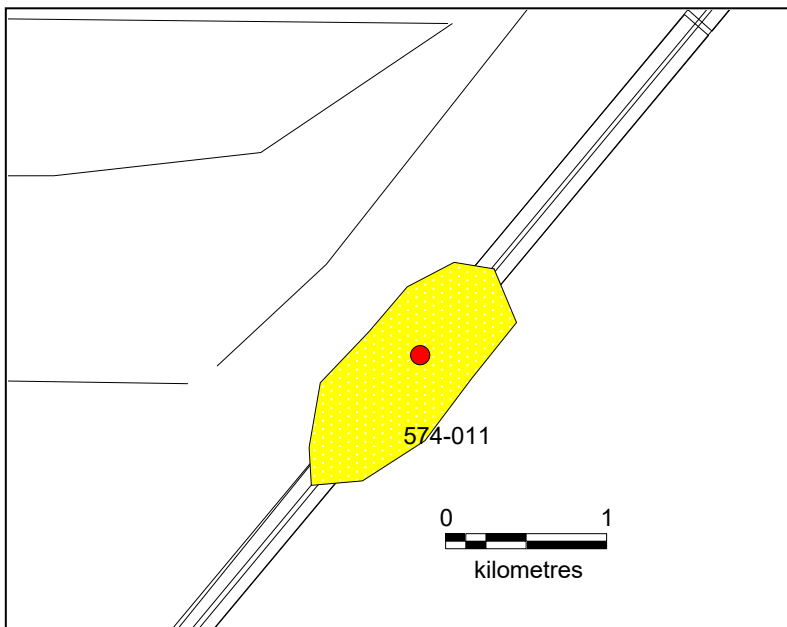
Ressource 568019

Linje 564023

Boring 568019-2



574-011



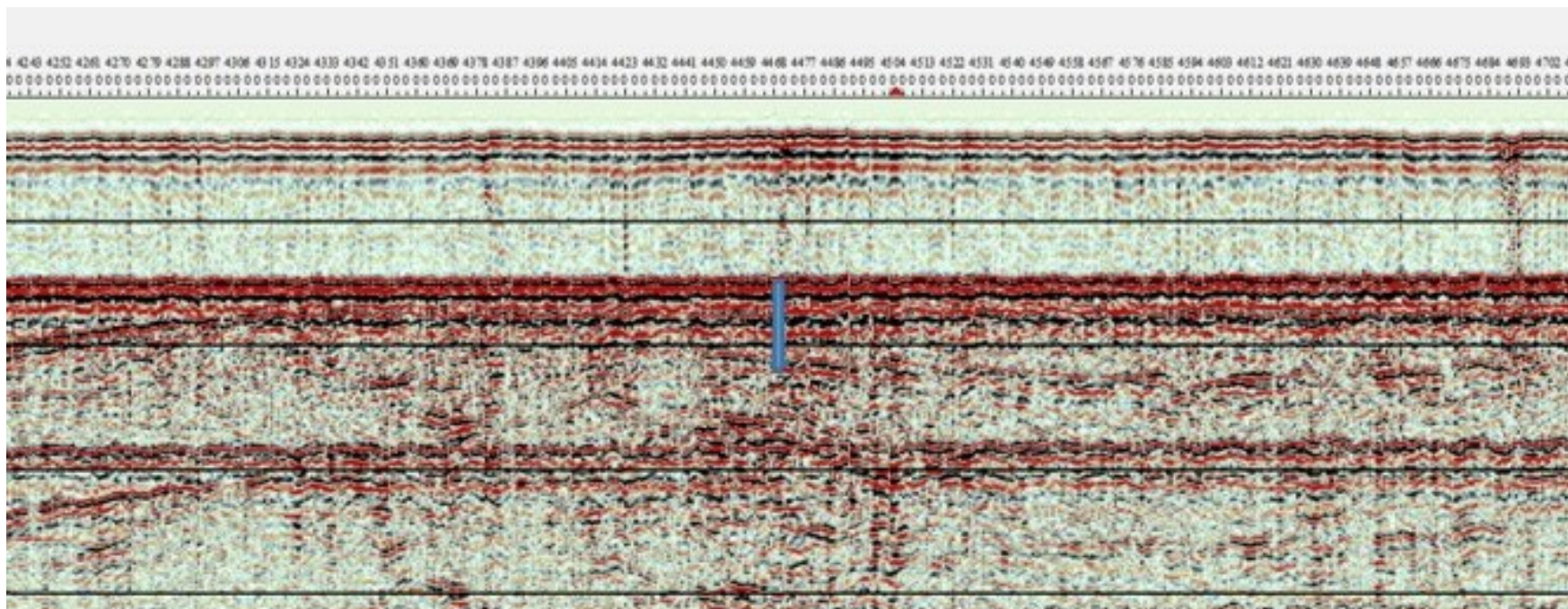
Generel info:
HS

Pos. Boring (WGS84):
574-011-1) 642891 , 6327665

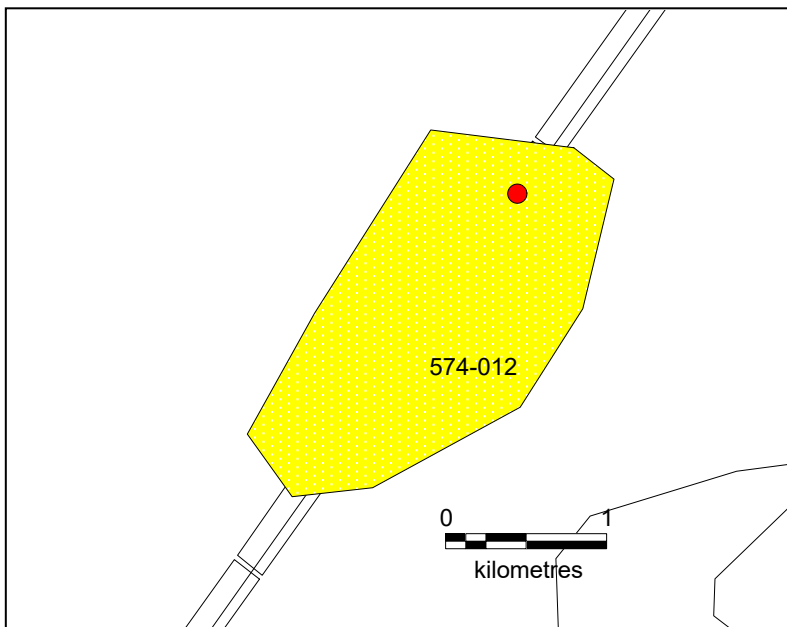
approx vanddybde : ?

Seismiske linjer: 2007 KATTEGAT_NCC_2007

Eksisterende boring:



574-012



Generel info:
HS

Pos. Boring (WGS84):
574-012-2) 643735,04 , 6322076,19

approx vanddybde :

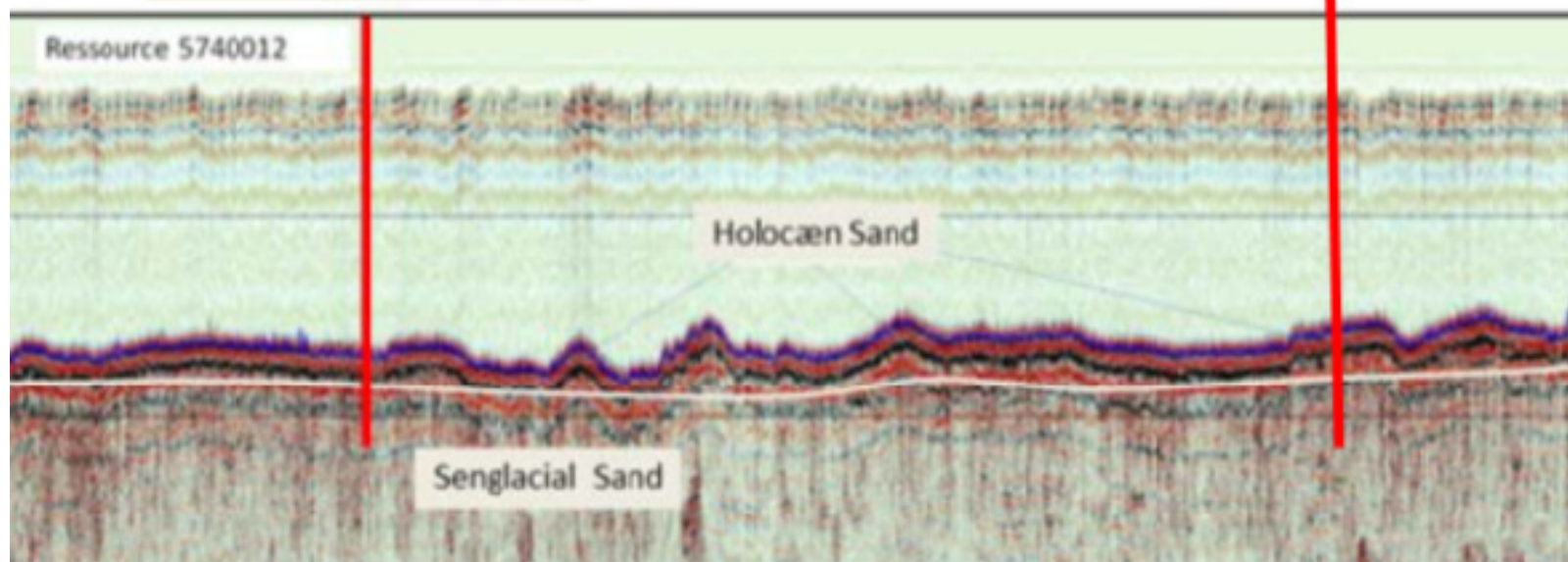
Seismiske linjer: 2007 KATTEGAT_NCC_2007 NCCb

Eksisterende boring:

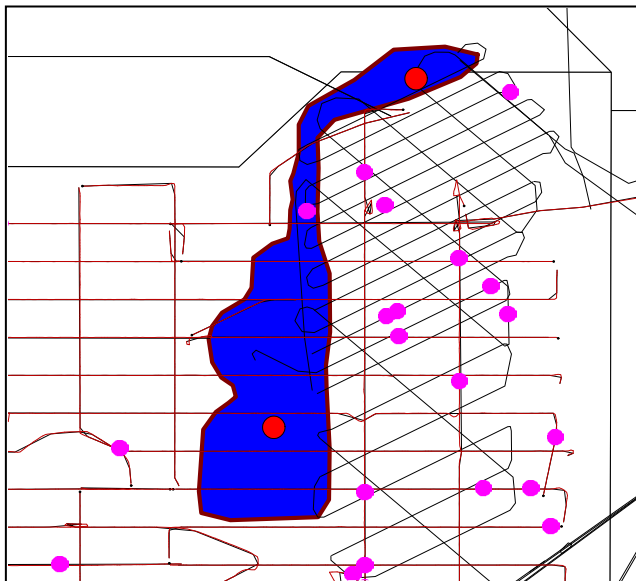
Seismisk linje Kattegat 2007 NCC_d

Boring 574012-1

574-012-2



AAB HS 11



Generel info:

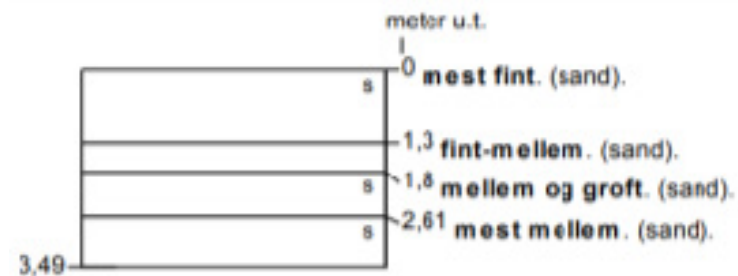
Pos. boring (WGS84 zone32):

AAB_HS_11-1:

610131 ; 6276058

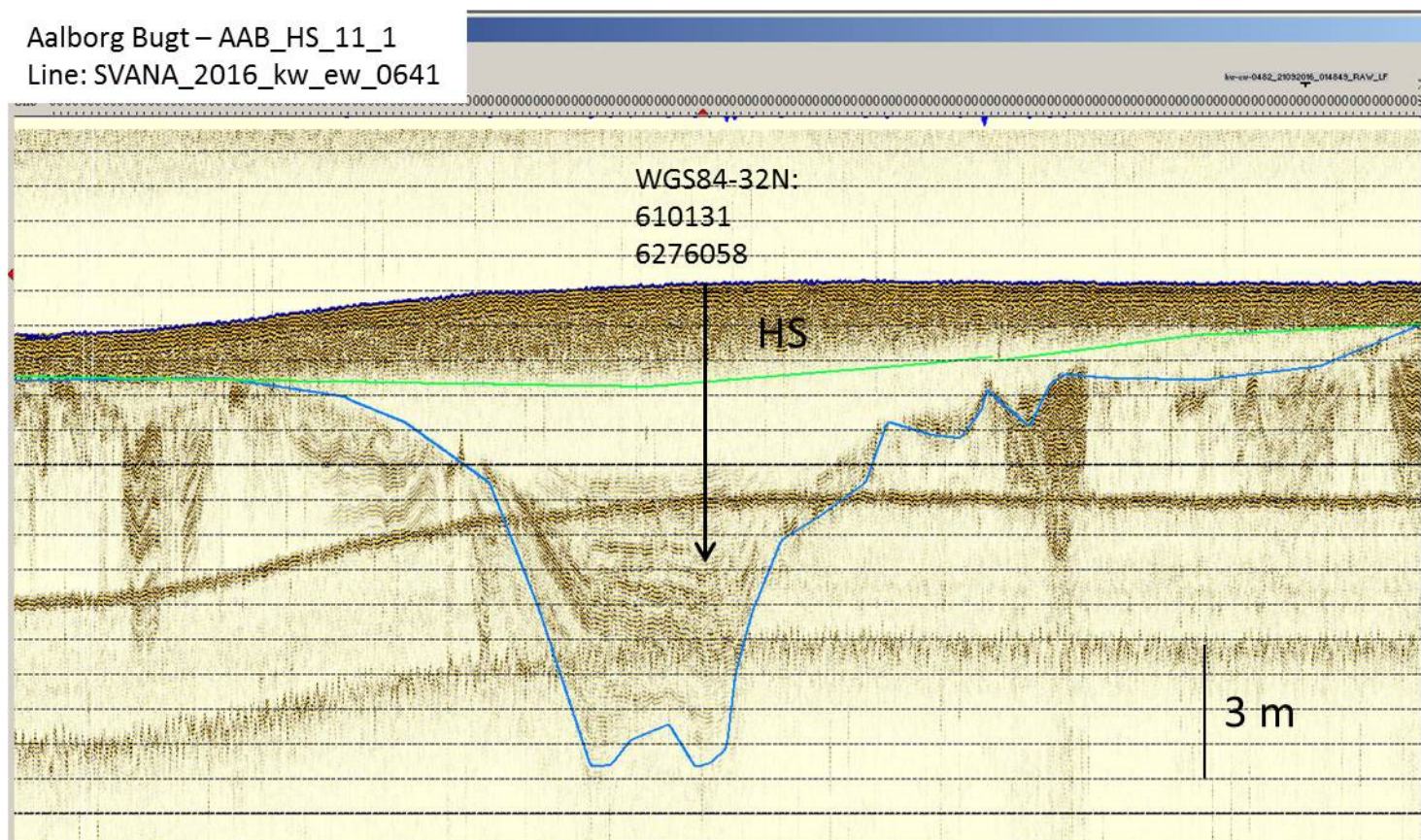
AAB_HS_11-3:

617634 ; 6294432

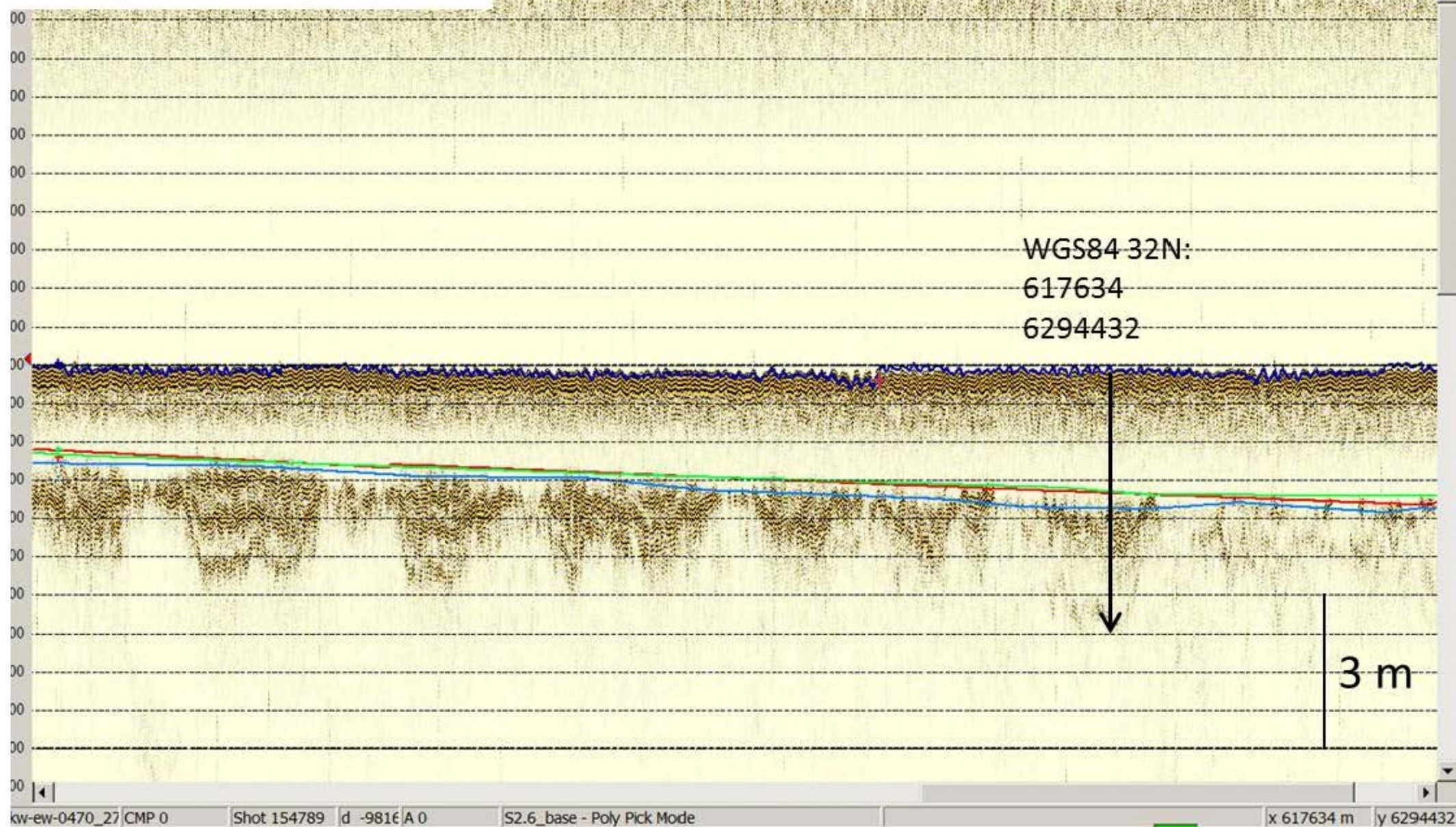


Aalborg Bugt – AAB_HS_11_1

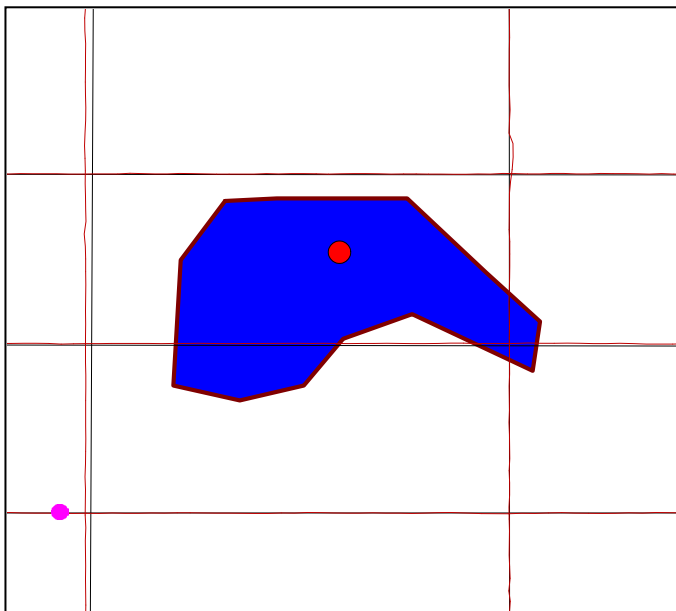
Line: SVANA_2016_kw_ew_0641



Aalborg Bugt – AAB_HS_11_3
Line: SVANA_2016_kw_ew_0470



AAB HS 13



General info:

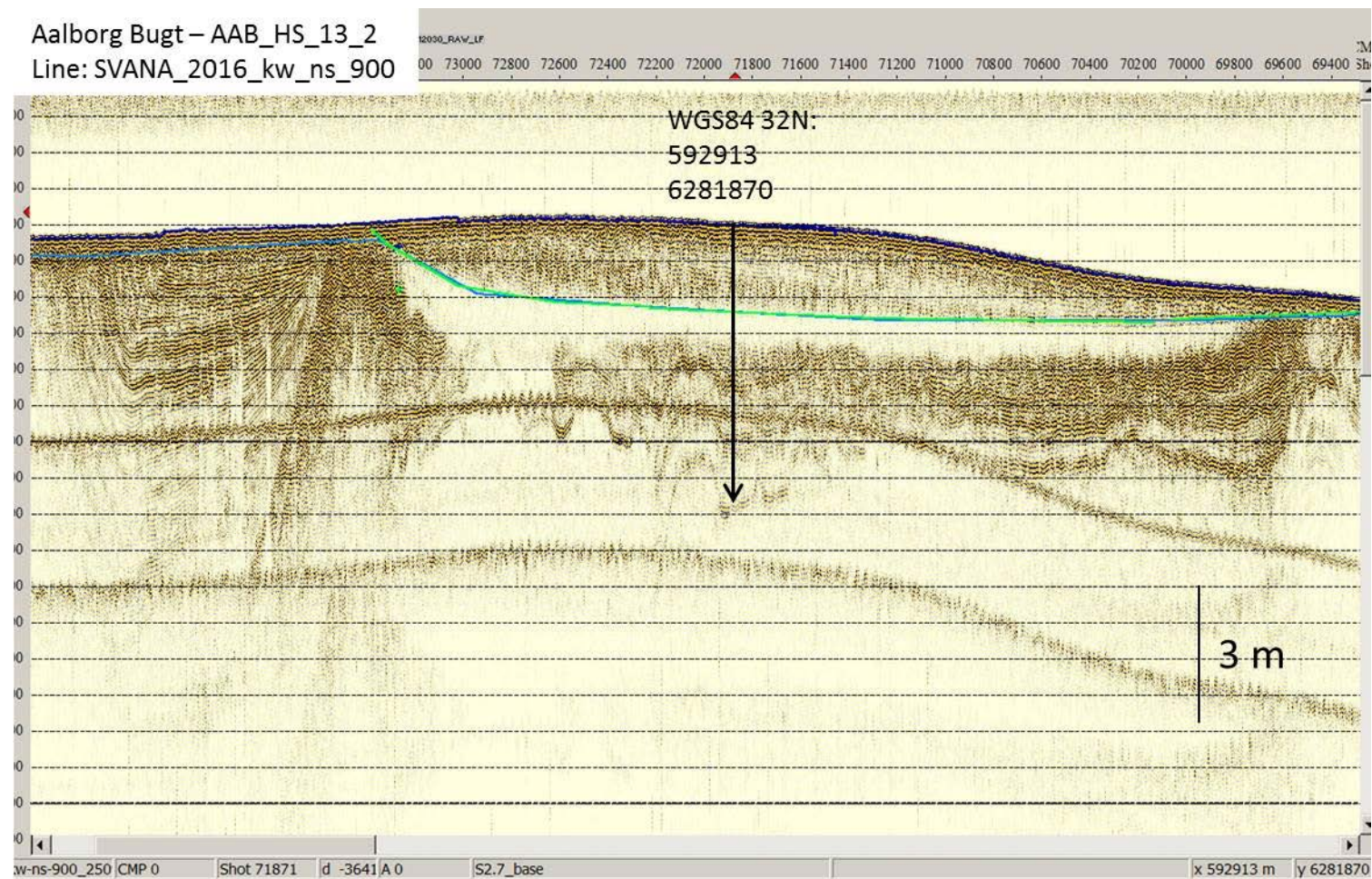
Pos. boring (WGS84 zone32):

AAB_HS_13-2:

592913 ; 6281870

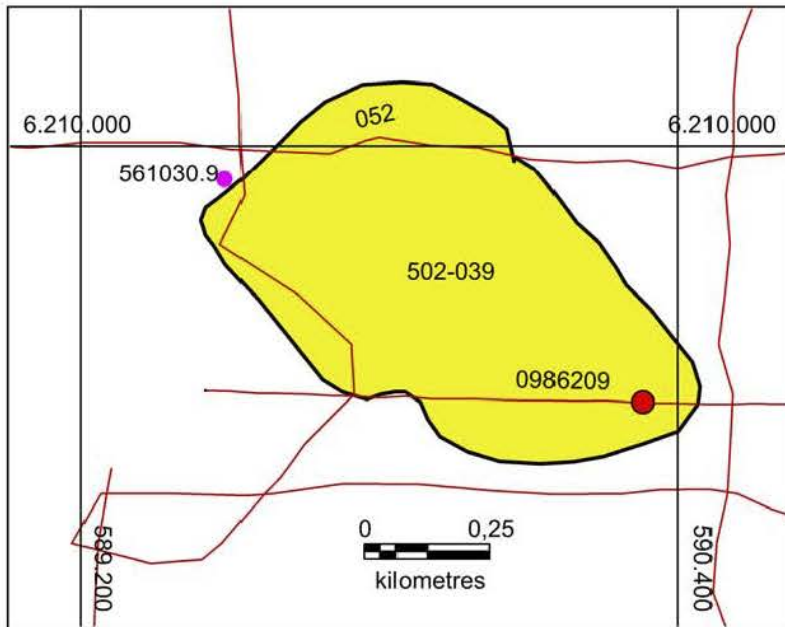
Aalborg Bugt – AAB_HS_13_2

Line: SVANA_2016_kw_ns_900



Bilag 2

502-039



Generel info:

Formodes at bestå af postglacialt fint-mellemkornet grusholdigt sand

Pos. Boring : (WGS84)

502-039-1) 590245.41 , 6209278.45

Vanddybde: 14 m

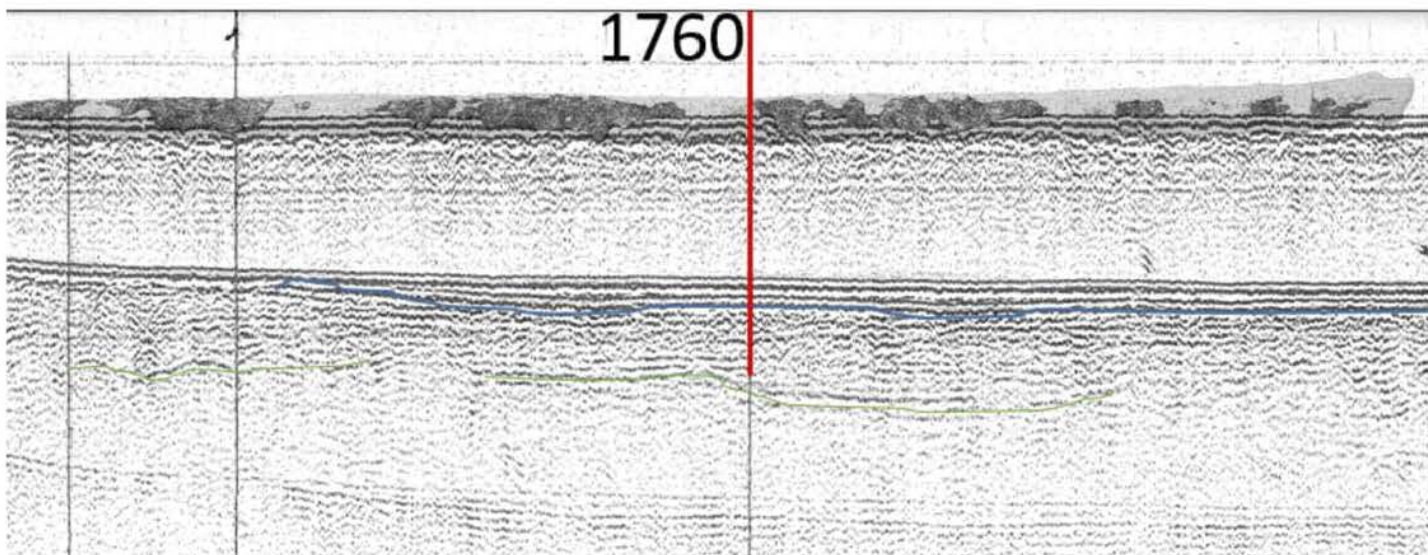
Seismiske linjer: 052, 98

Eksisterende boring: 561030.9

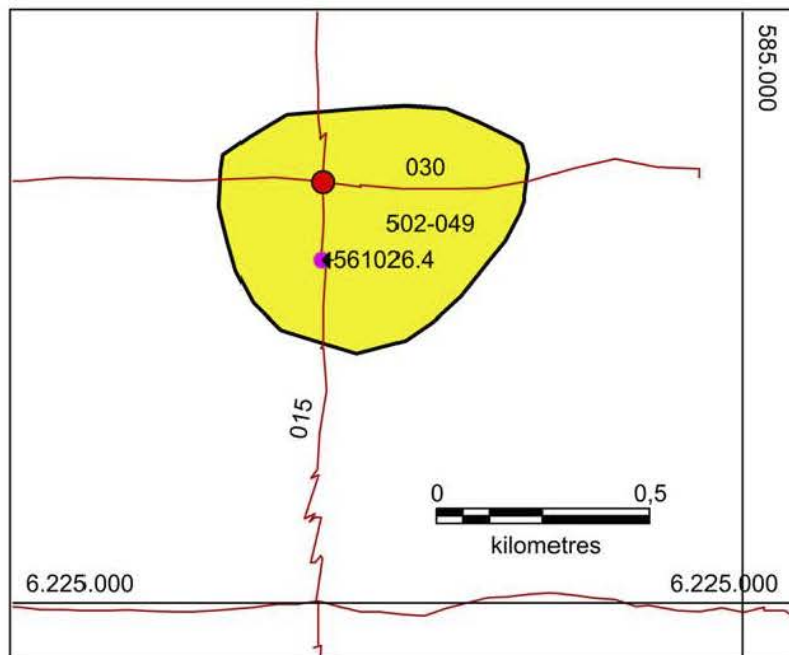


502-039-98

502-039-1



502-049

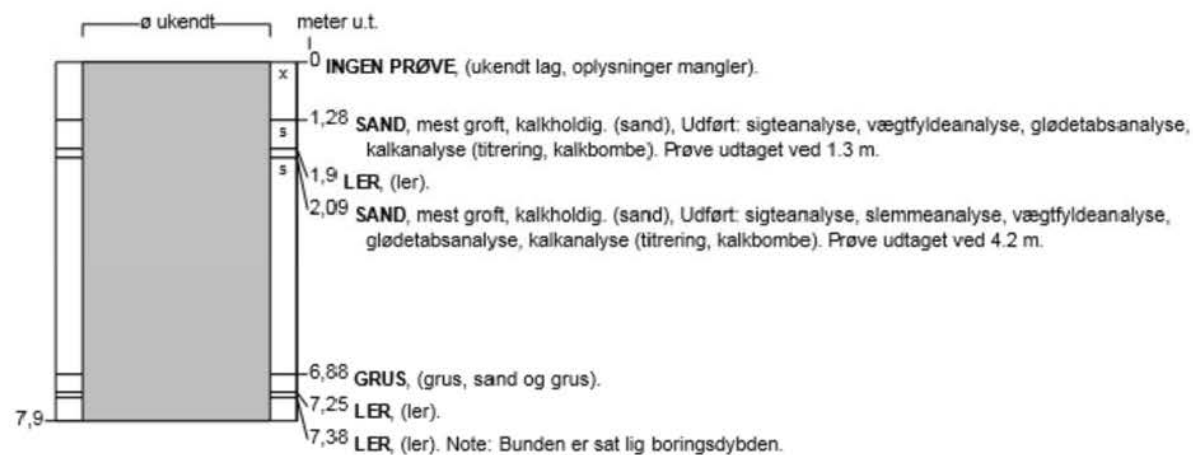


Generel info:
Senglacial ferskvandssand.

Pos. Boring : (WGS84)
502-049-1) 583928.45 , 6225787.37
Vanddybde: 13 m

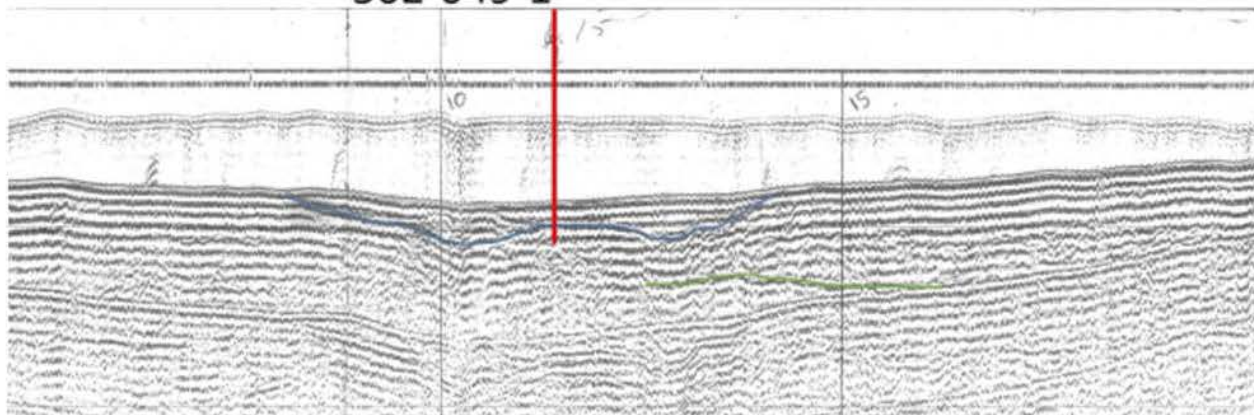
Seismiske linjer: 015, 030

Eksisterende boring: 561026.4

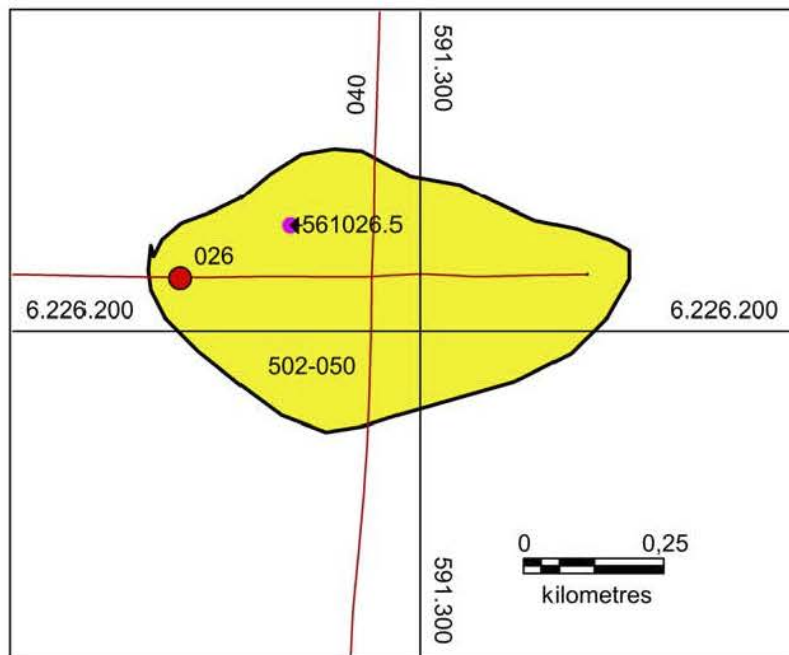


502-049-030

502-049-1



502-050



Generel info:

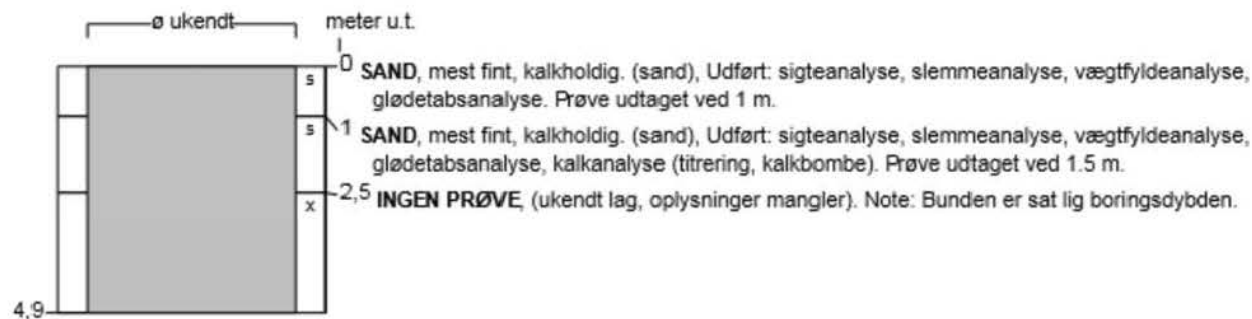
Senglacial ferskvandssand. Sedimenterne, der formodes at være aflejret i et senglacialt dødislandskab, består overvejende af fint-mellemkornet sand. Boring 561026.5 viser således potentielle mægtigheder på 2-3 meter bestående af fint sand. Dårlig boring.

Pos. Boring : (WGS84)

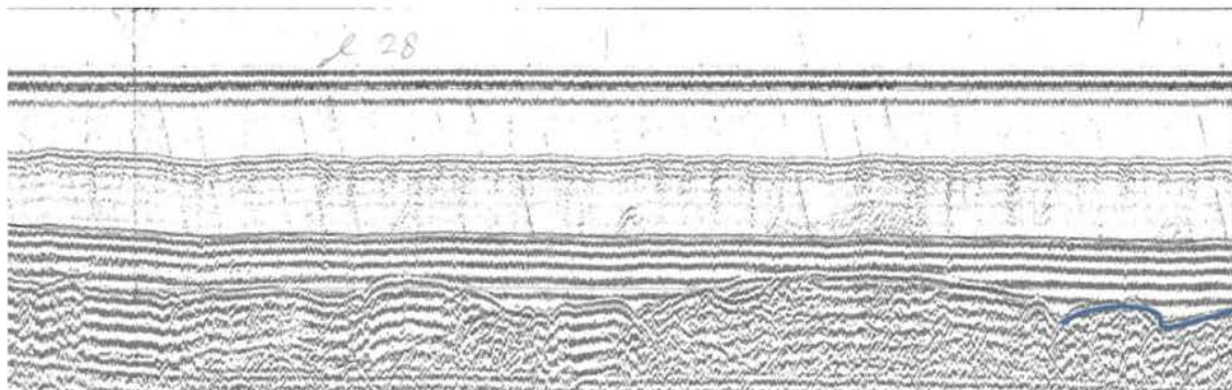
502-050-1) 590785.41 , 6226089.37

Vanddybde: 9 m

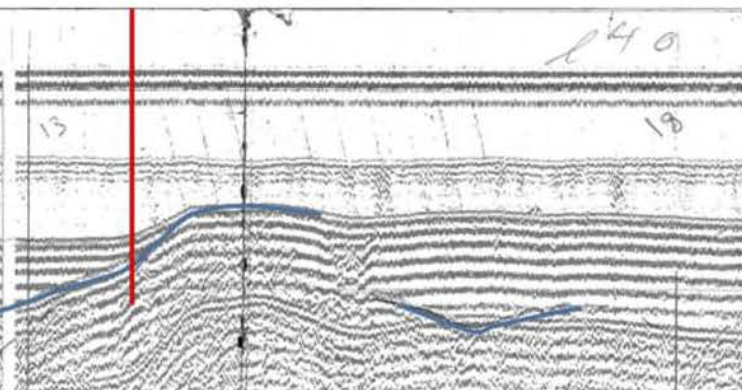
Seismiske linjer: 026, 040



502-050-026



502-050-1



502-051

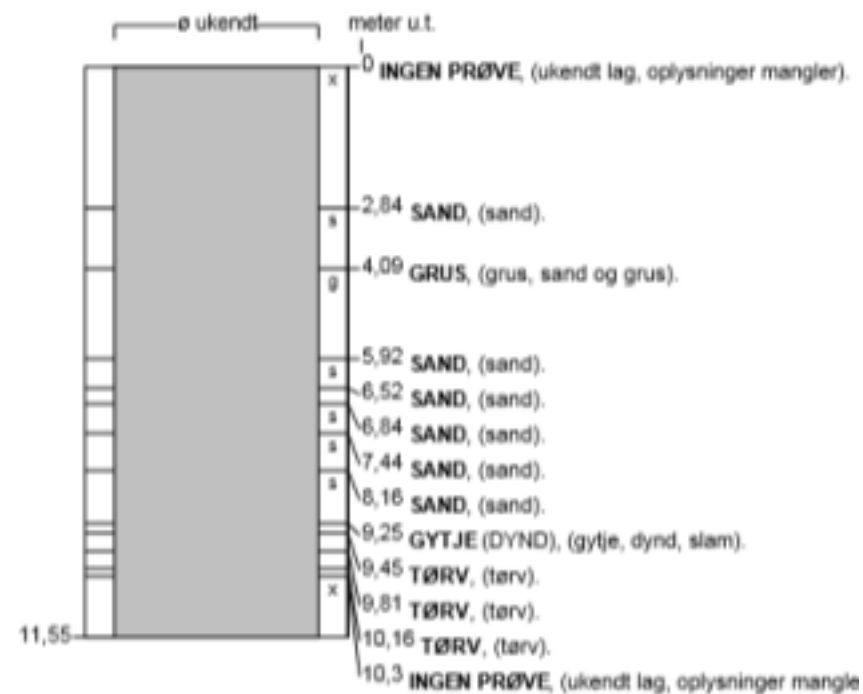
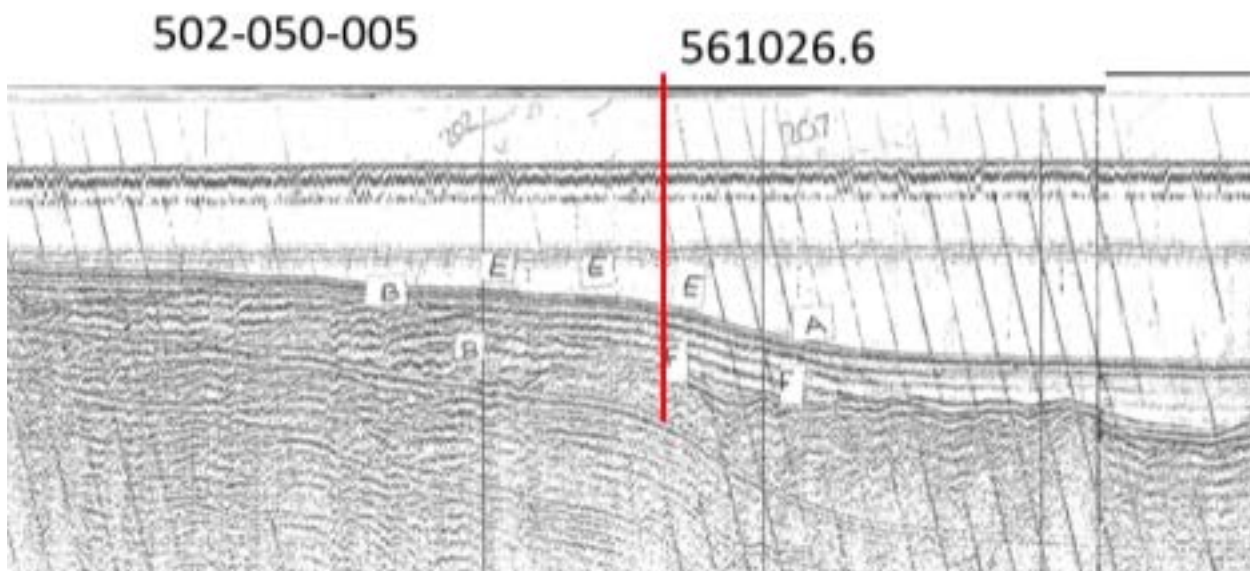
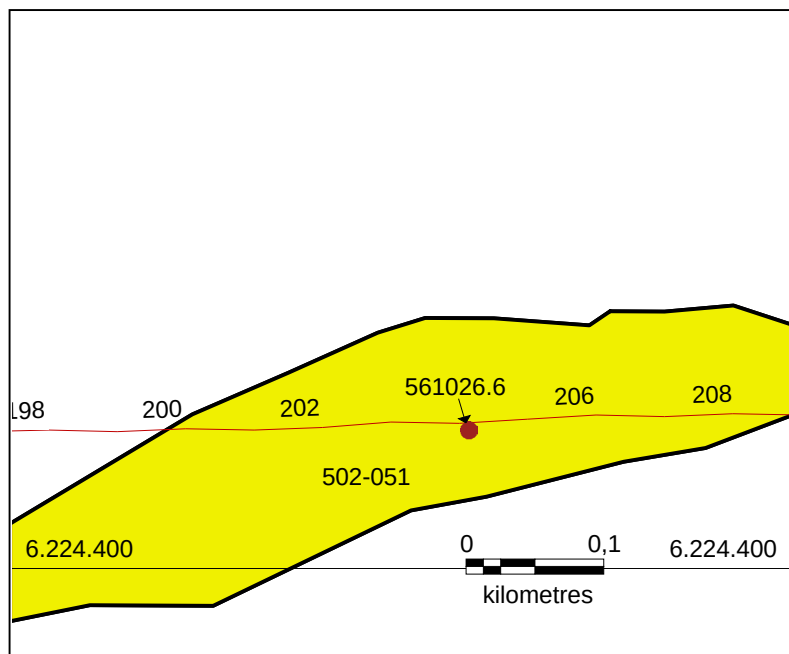
Generel info:

Postglacial saltvandssand. Sand og grus aflejret som et postglaciale akkumulationsflak potentielle mængtigheder over 9 meter. Boring findes men dårlig beskrivelse

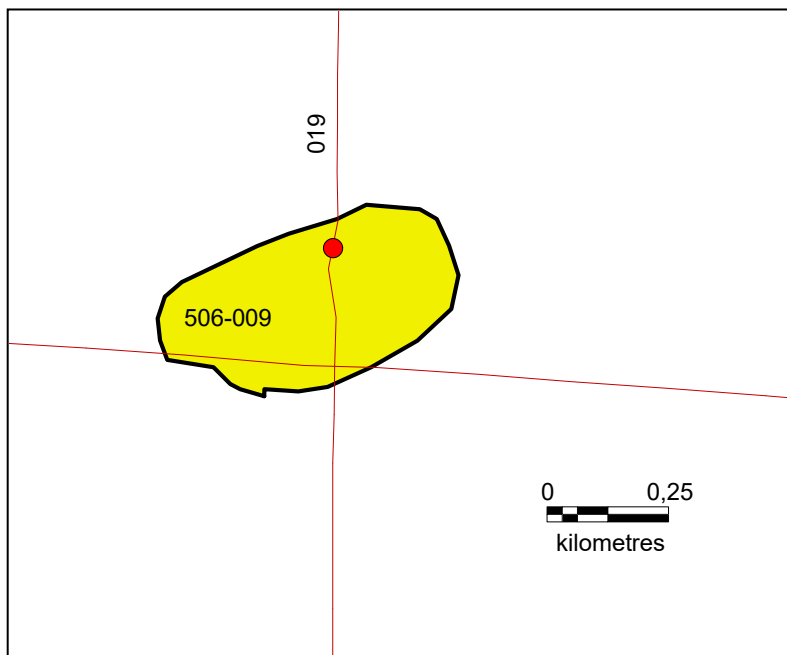
Pos. Boring :

Seismiske linjer: 005

Eksisterende boring: 561026.6



506-009



Generel info:

Postglacial saltvandssand. Meget lille akkumulationsflak

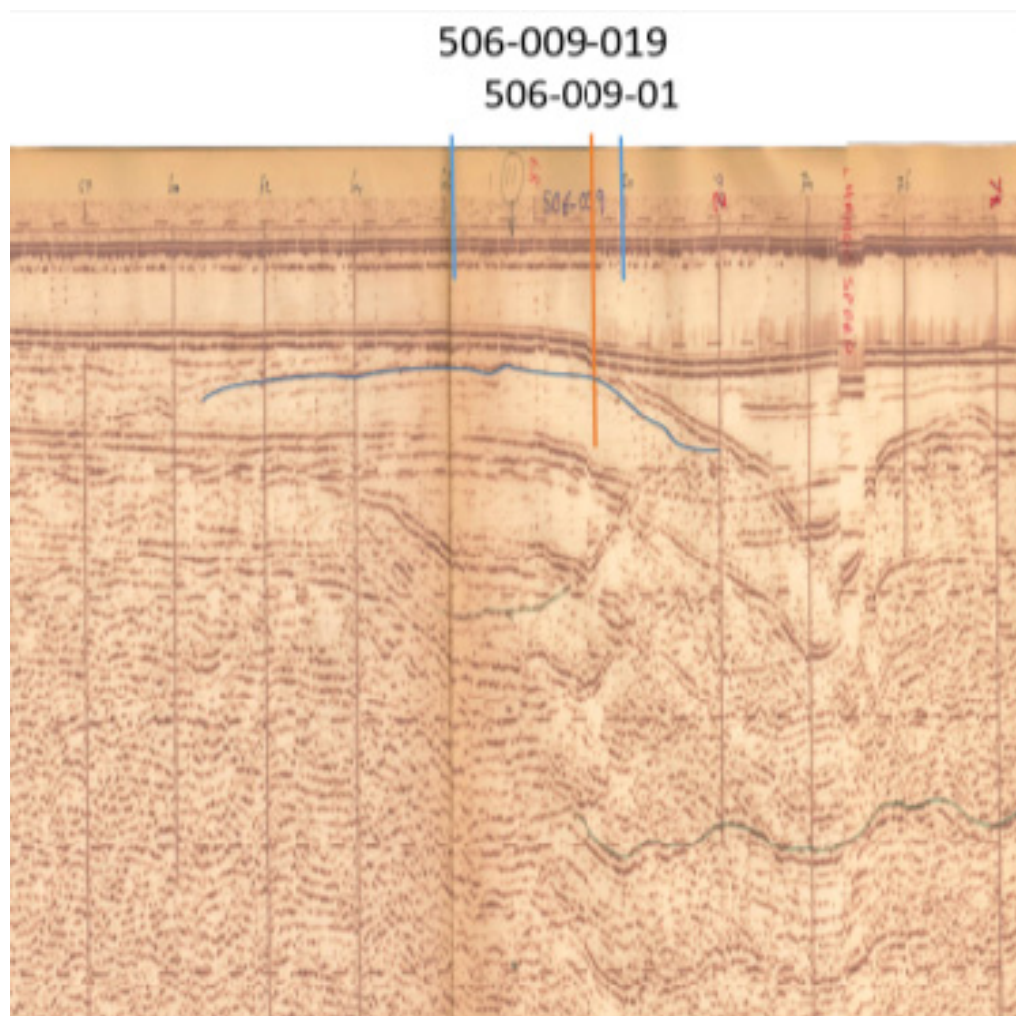
Pos. Boring (UTM 32) :

506-009-1) 615913,28 , 6206236,46

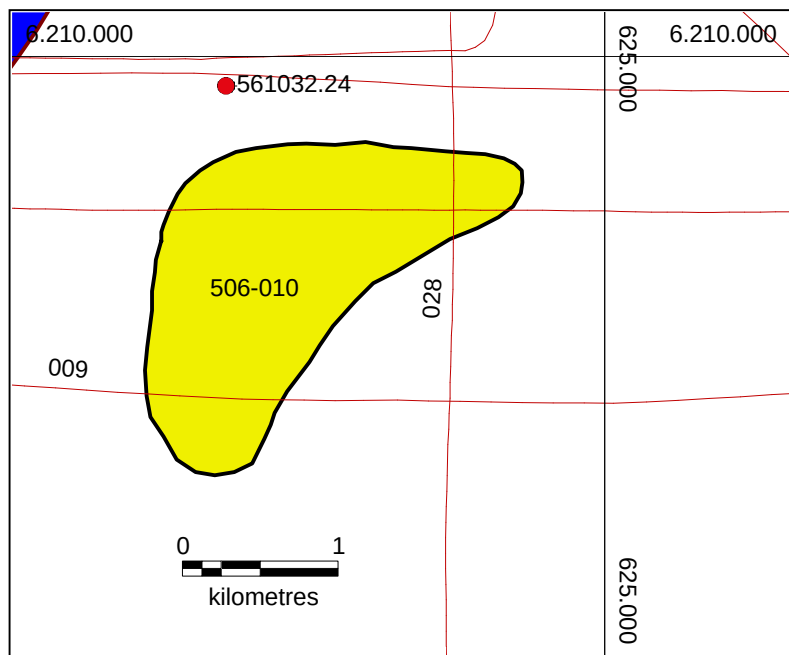
Vanddybde: 20 m

Seismiske linjer: 019

Eksisterende boring:



506-010



Generel info:

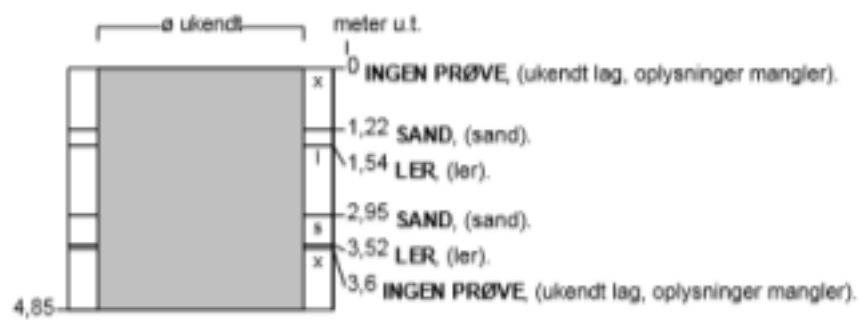
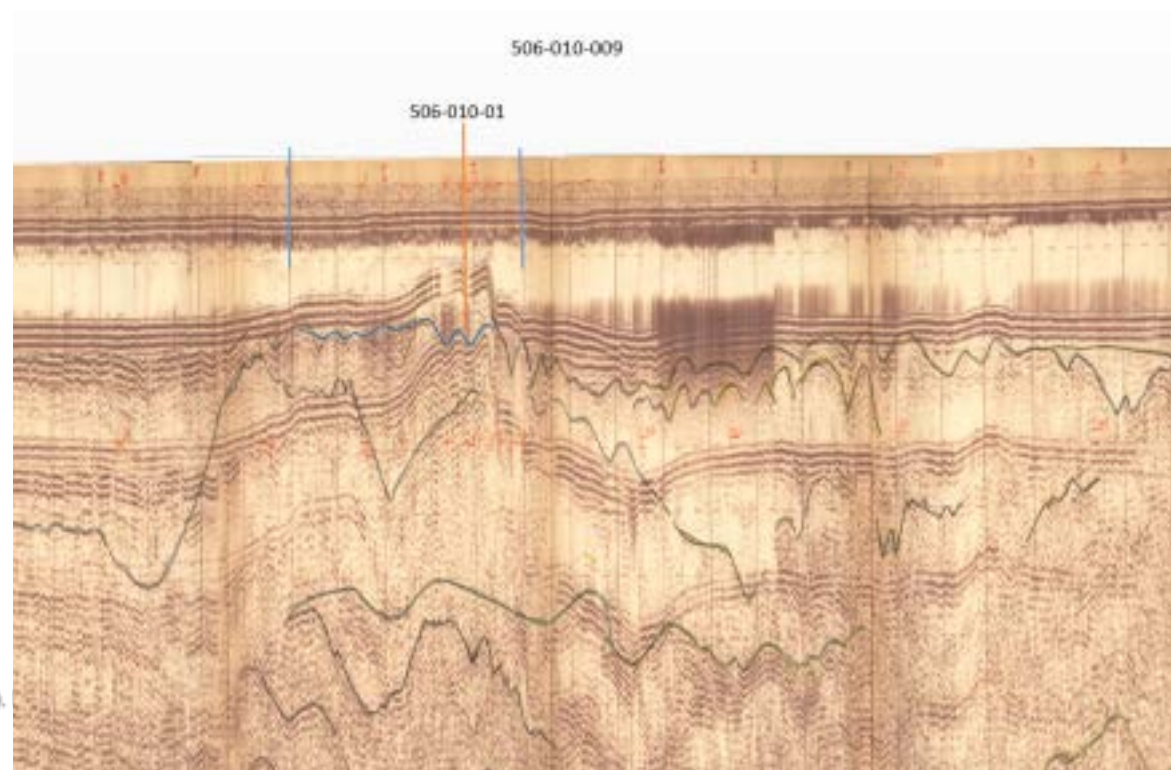
Senglacial ferskvandssand. Overlappende med Marthe Flak-2015
ress.omr. 5

Pos. Boring (UTM 32): 622.231,12 6.207.817,14

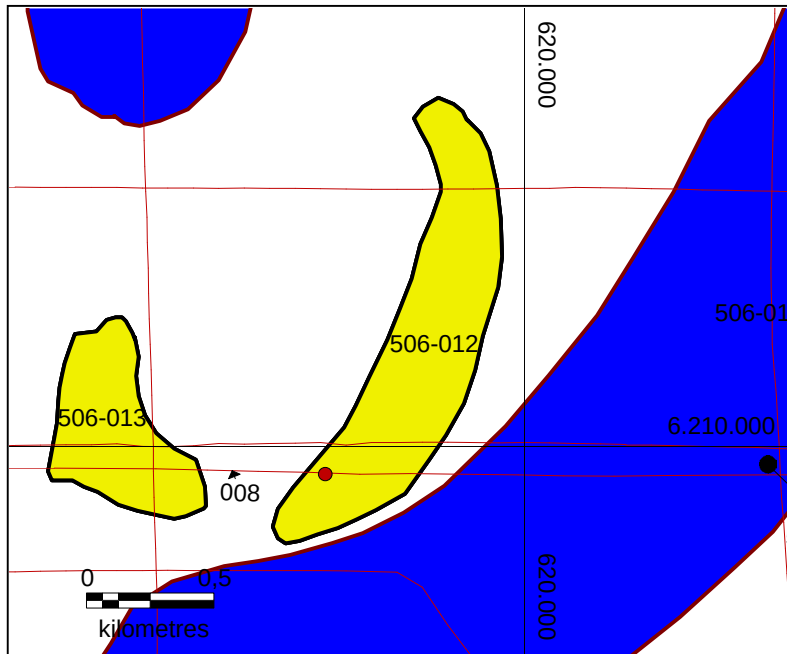
Vanddybde 13m

Seismiske linjer: 009, 028

Eksisterende boring: 561032.24



506-012



Generel info:

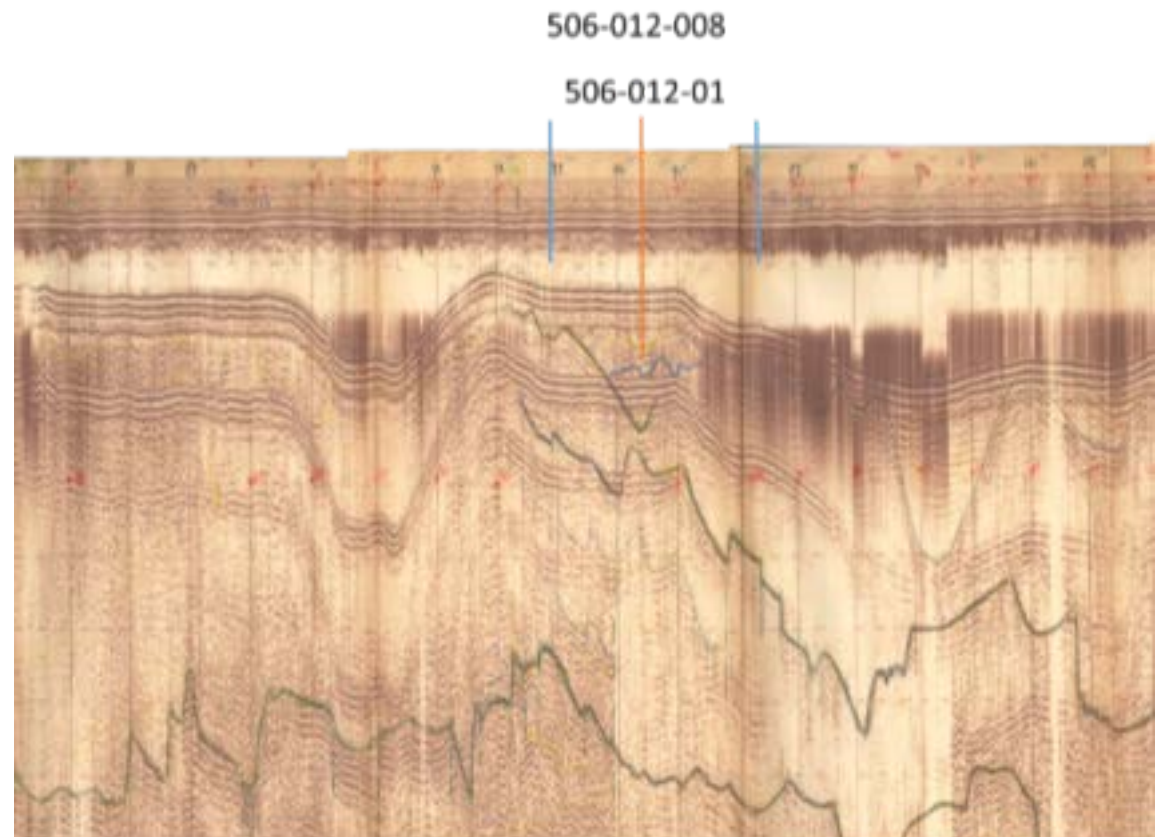
Postglacial saltvandssand. Delvis overlappende med Marthe Flak-2015
ress.omr. 2

Pos. Boring (UTM 32) : 619.223,73 6.209.896,68

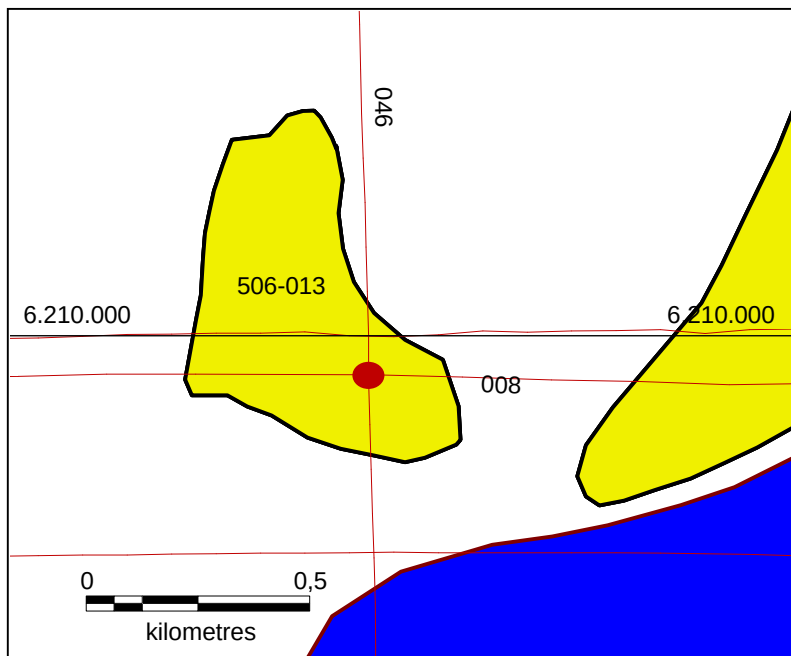
Vanddybde: 14 m

Seismiske linjer: 008

Eksisterende boring:



506-013



Generel info:

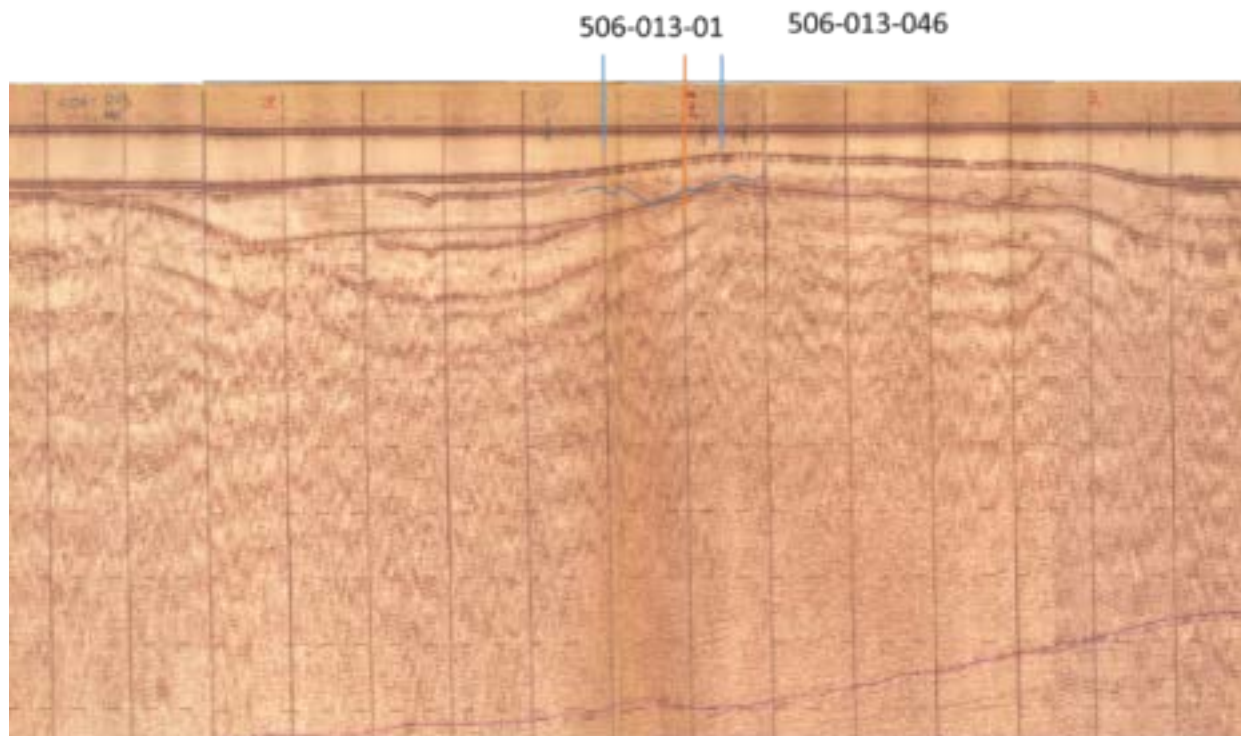
Postglacial saltvandssand. Delvis overlappende med Marthe Flak-2015 ress.omr. 2

Pos. Boring (UTM 32): 618.543,20 6.209.913,23

Vanddybde: 12 m

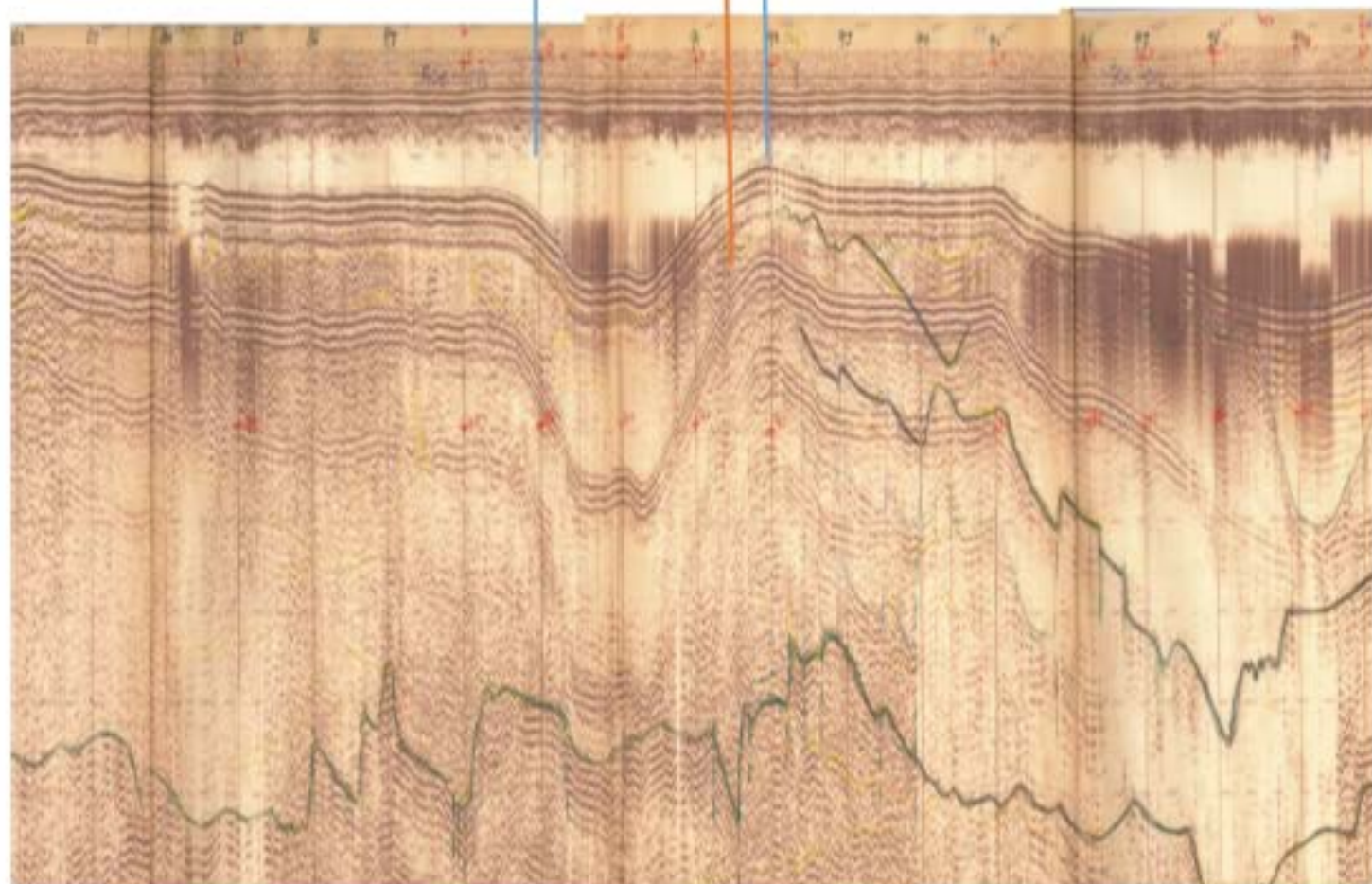
Seismiske linjer: 008, 46

Eksisterende boring:

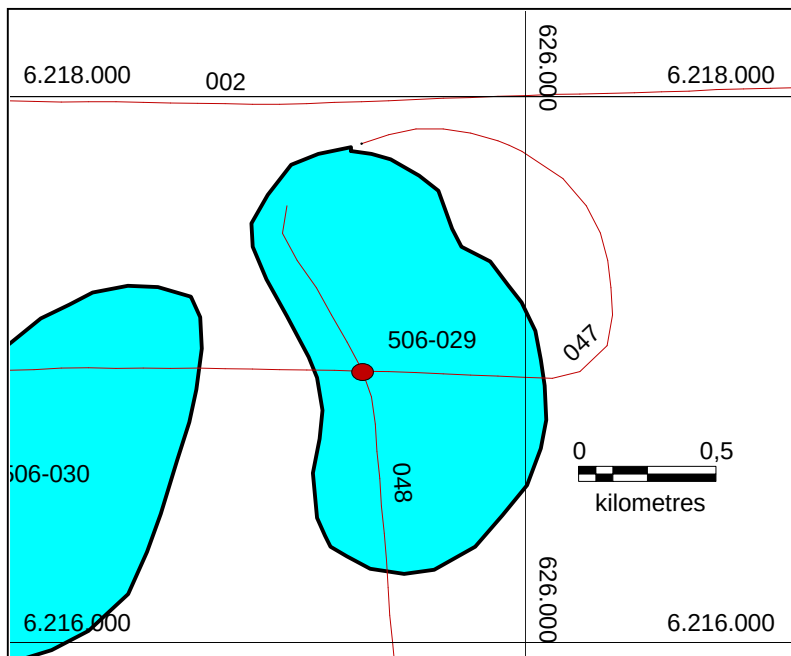


506-013-008

506-013-01



506-029



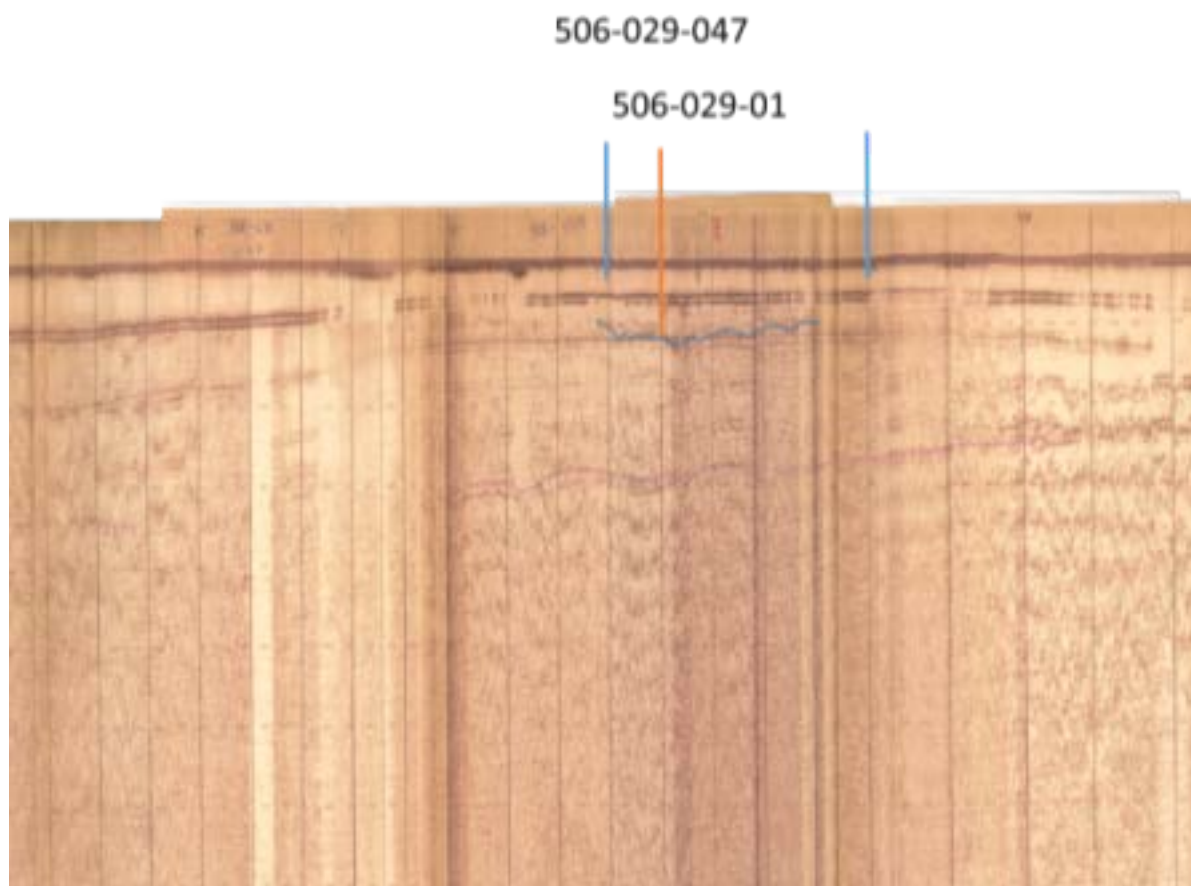
Generel info:
postglacial saltvandsgrus

Pos. Boring (UTM 32) : 625.393,10 6.216.997,62

Vanddybde: 12 m

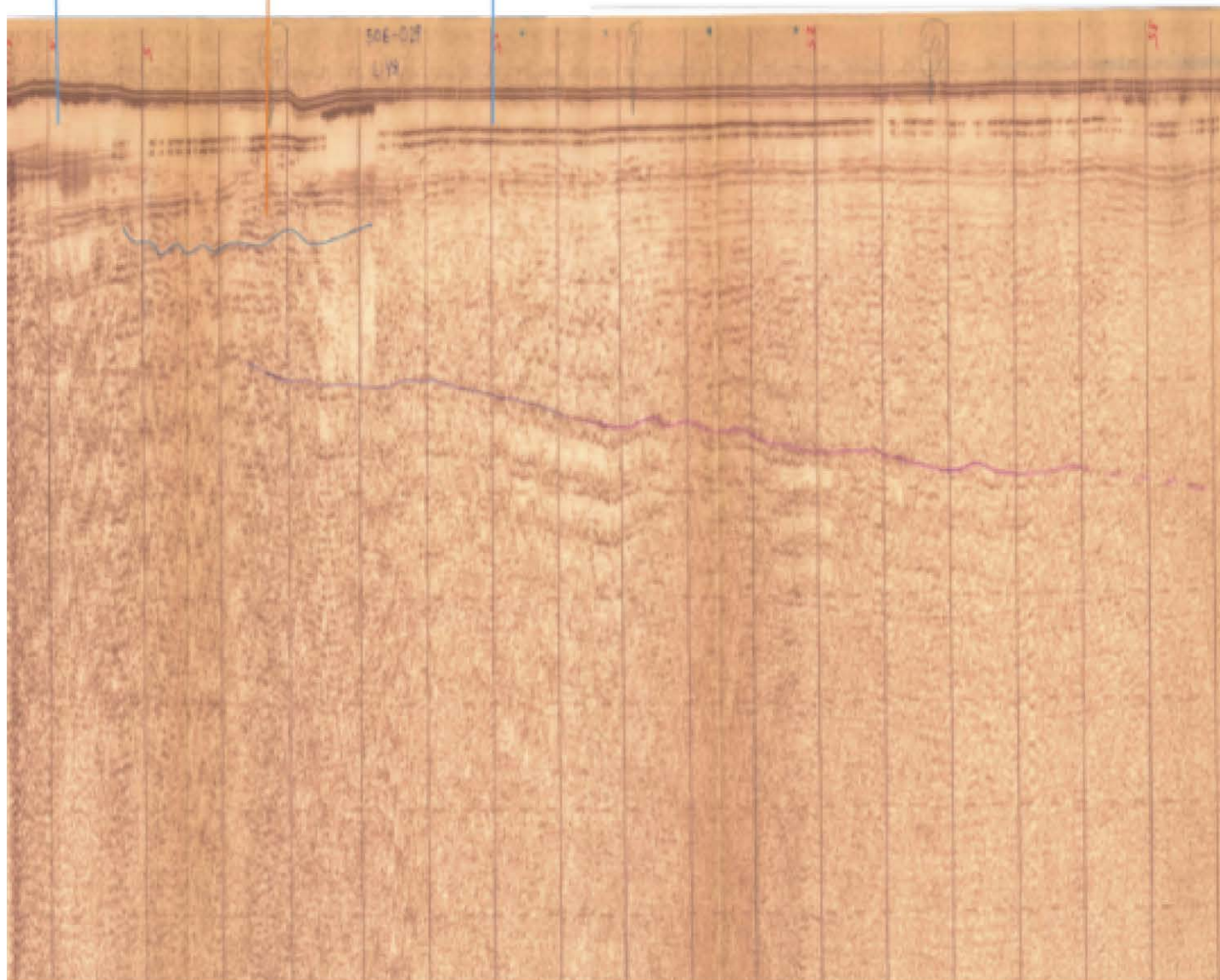
Seismiske linjer: 048, 047

Eksisterende boring:

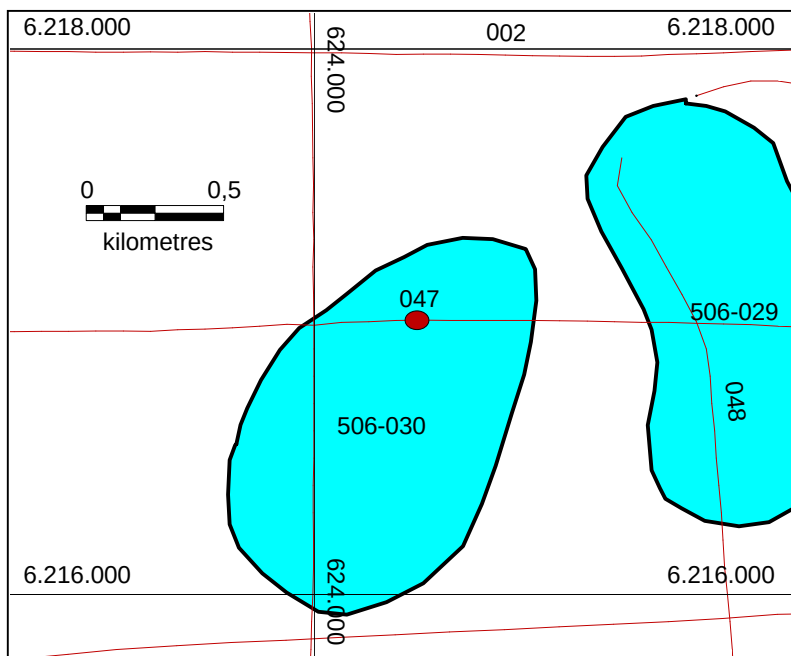


506-029-048

506-029-01



506-030



Generel info:
postglacial saltvandsgrus

Pos. Boring (UTM 32) : 624.371,20 6.217.004,65

Seismiske linjer: 047

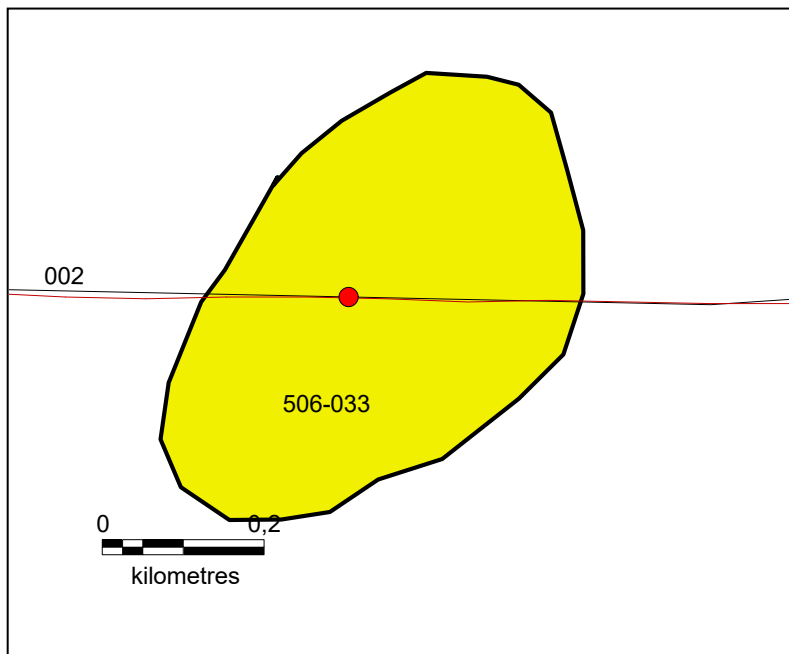
Eksisterende boring:

506-030-047

506-030-01



506-033



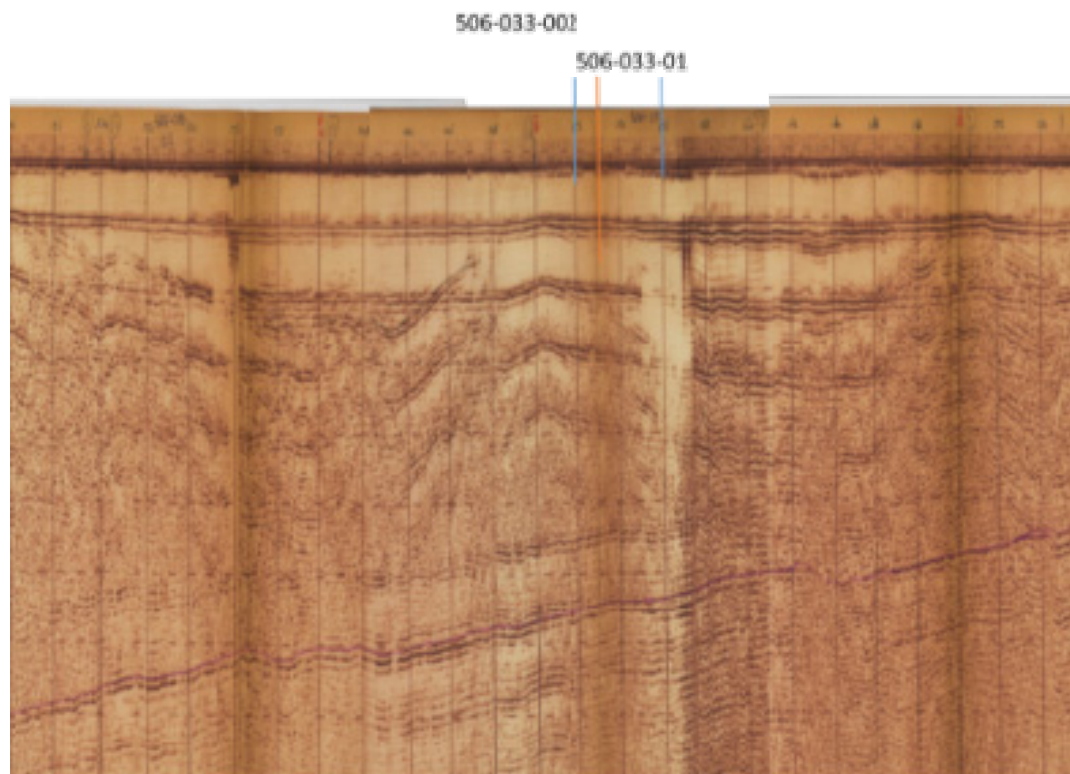
Generel info:
postglacial saltvandssand

Pos. Boring (UTM 32) :
506-033-1) 611168,31 , 6217666,41

Vanddybde: 10 m

Seismiske linjer: 002

Eksisterende boring:



506-042

Generel info:

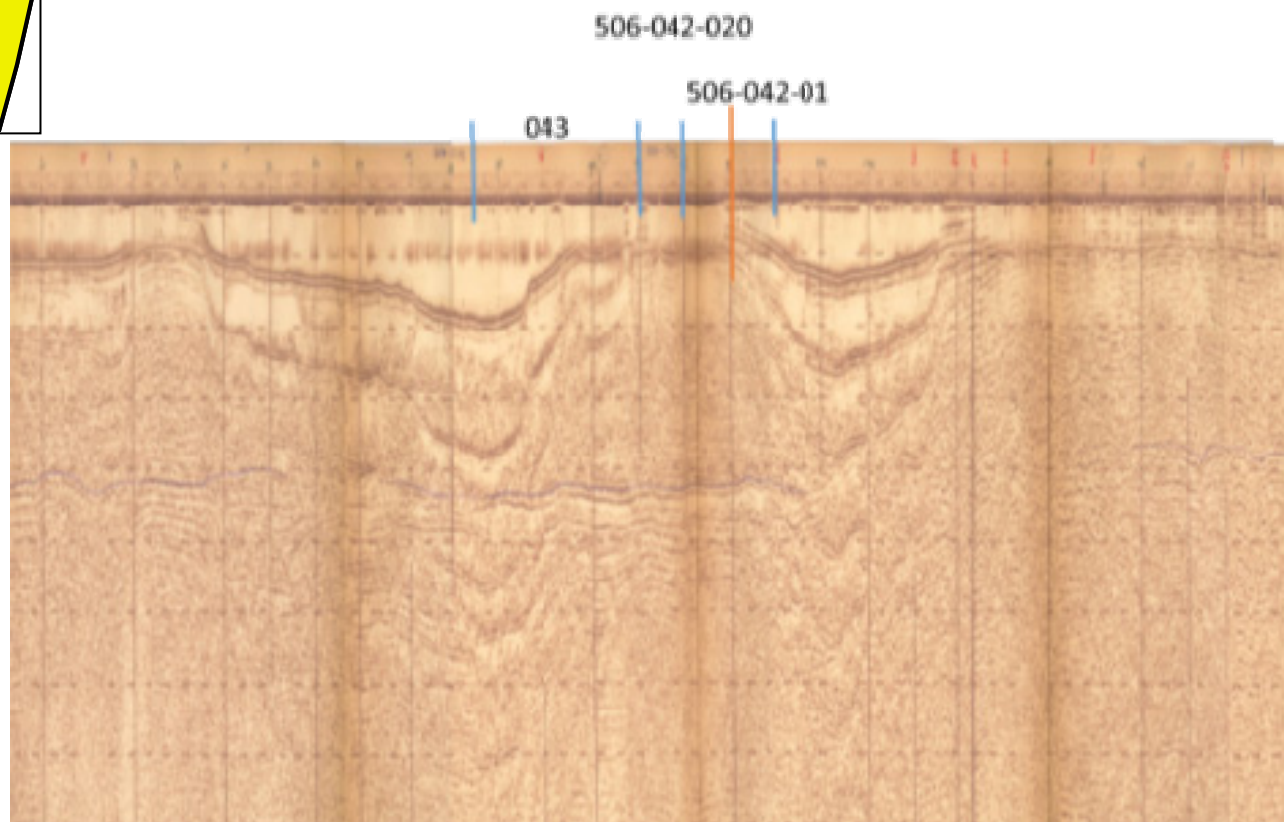
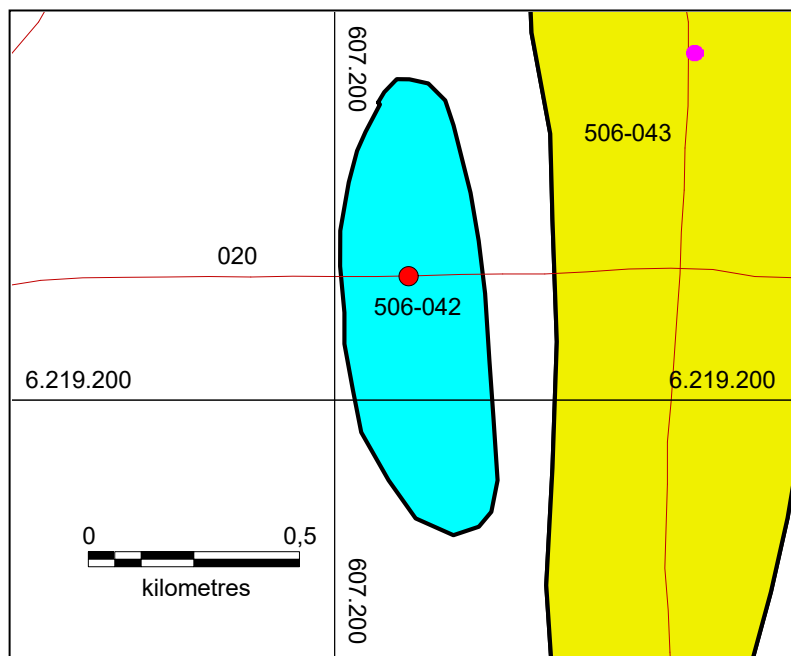
Postglacial saltvandsgrus.

Pos. Boring (WGS84) : 607291,33 , 6219288,39

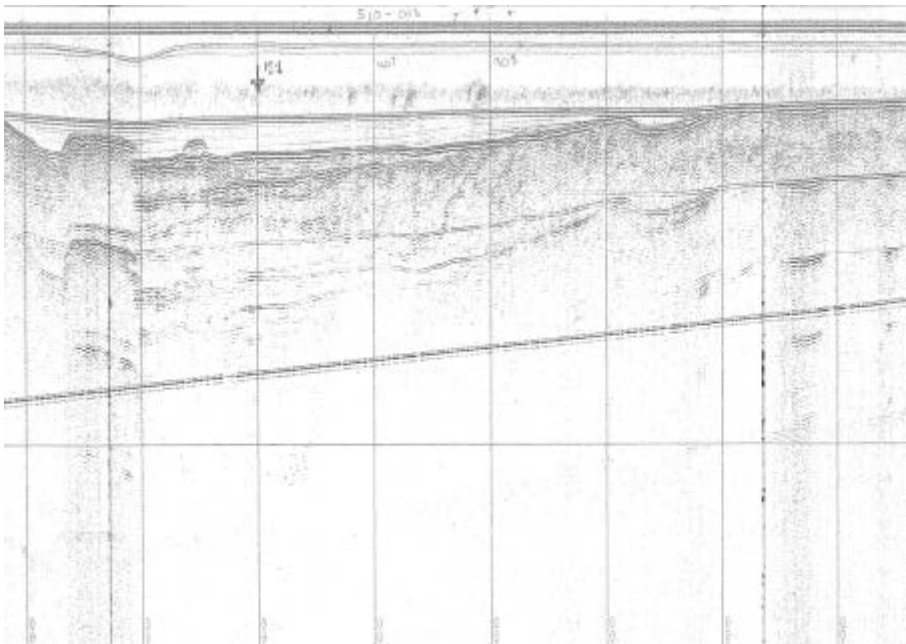
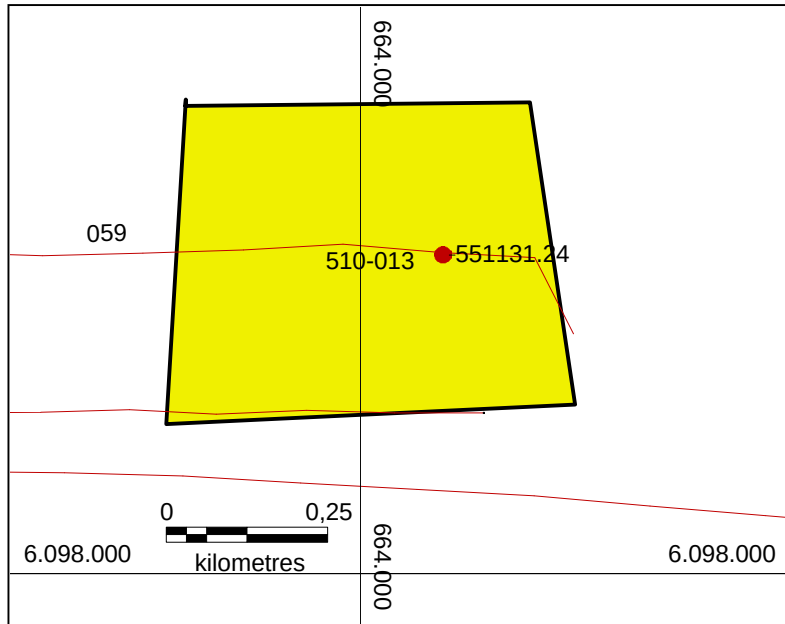
Vanddybde: 10 m

Seismiske linjer: 020

Eksisterende boring:



510-013

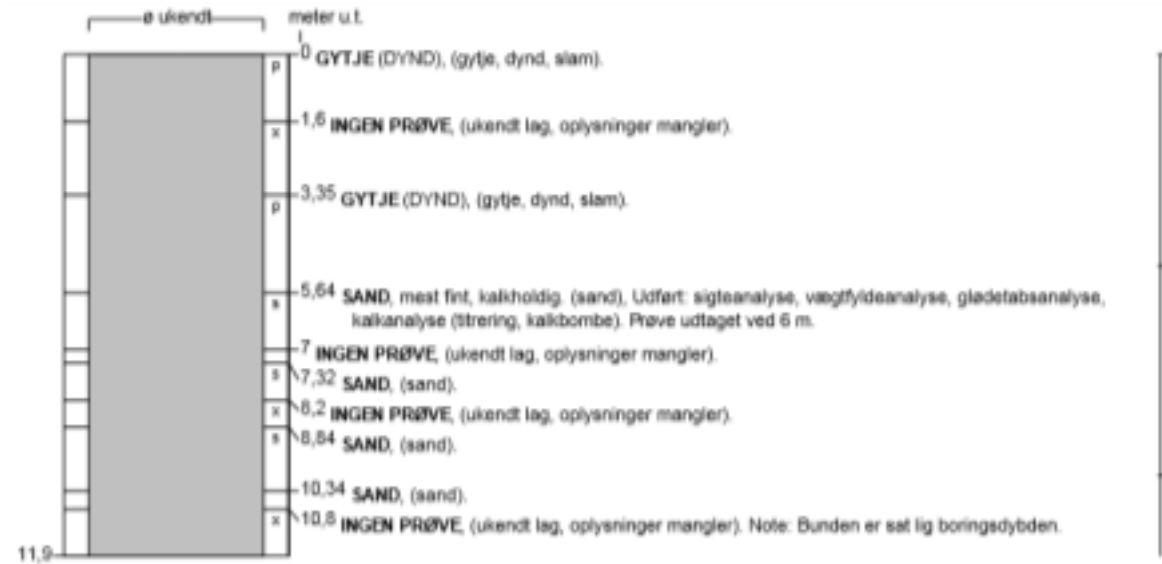


Generel info:
Senglacial ferskvandssand. .

Pos. Boring : (UTM 32) kan ikke nås med 6 m corer. Eksisterende boring 551131.24 viser 5.6 m gytje over 5.3 m sand

Seismiske linjer: 13

Eksisterende boring: 551131.24



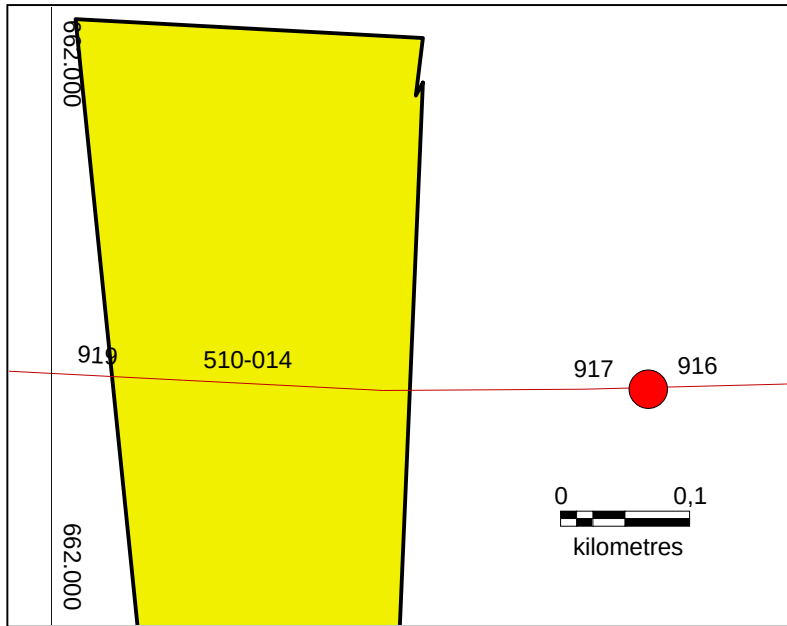
510-014

Generel info:
Postglacial saltvandssand.

Pos. Boring : (UTM 32)
662464 , 6098492

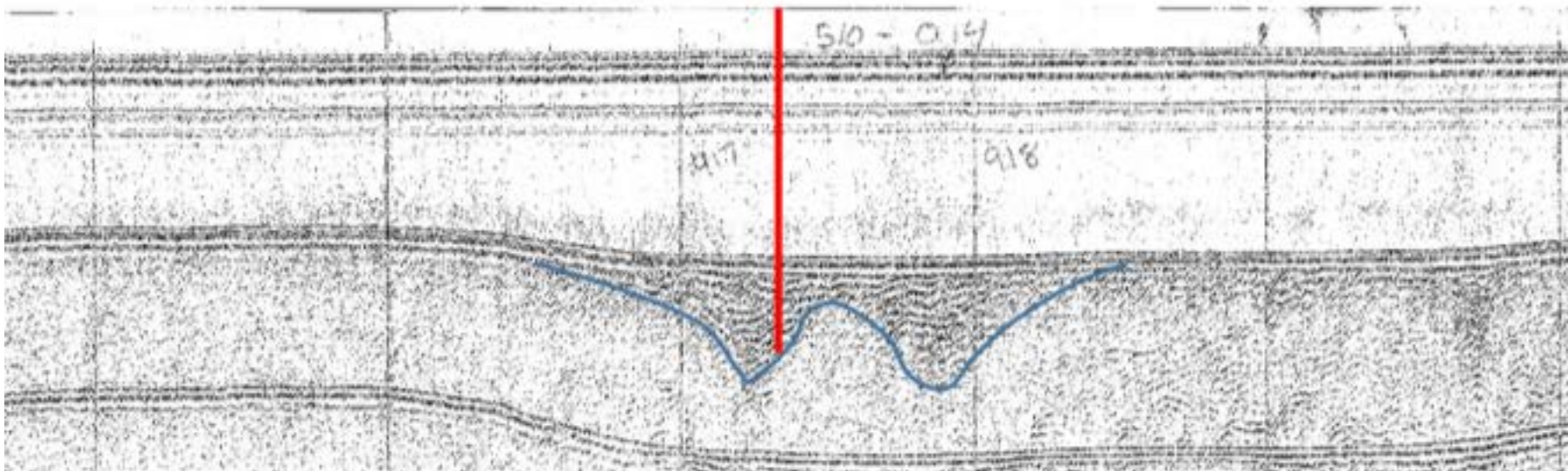
Seismiske linjer: 59

Eksisterende boring:

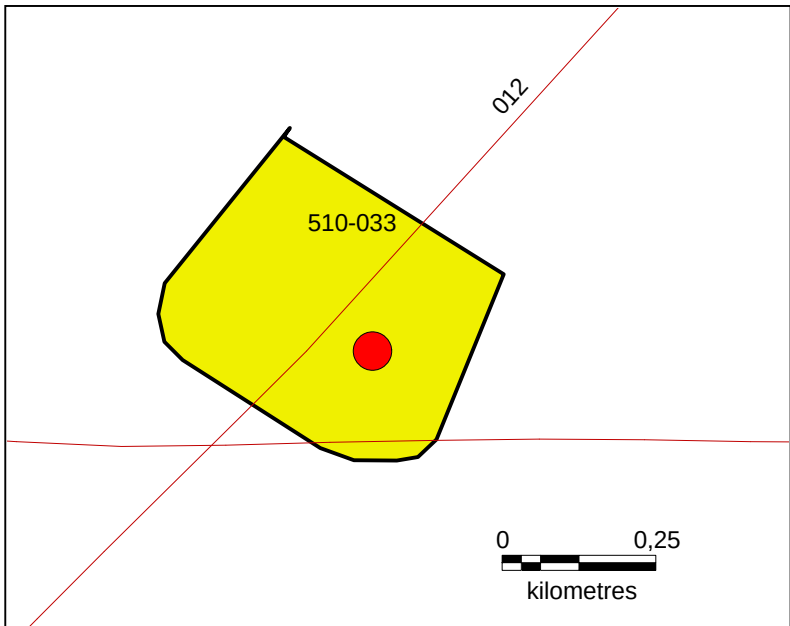


510-014-059

510-014-1



510-033



General info:

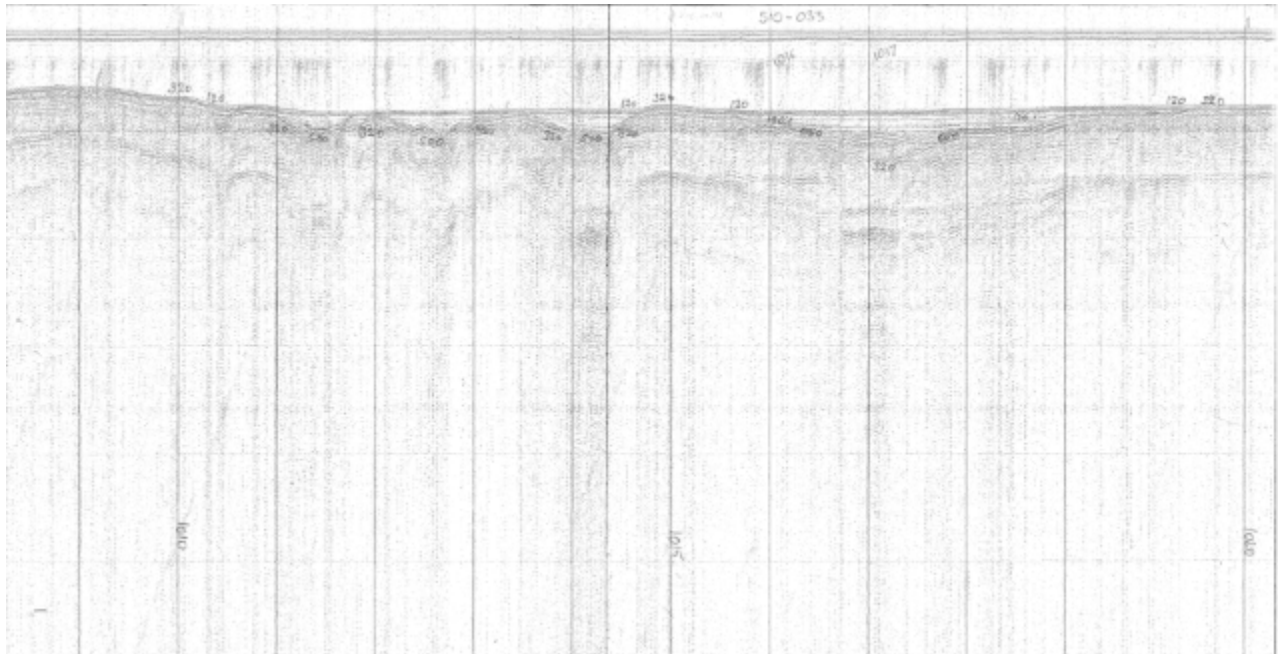
Postglacial saltvandssand. Mindre spekulative ressourcer. Ingen boreriger og få seismiske data gør ressourcerne meget spekulative.

Pos. Boring : (WGS84)

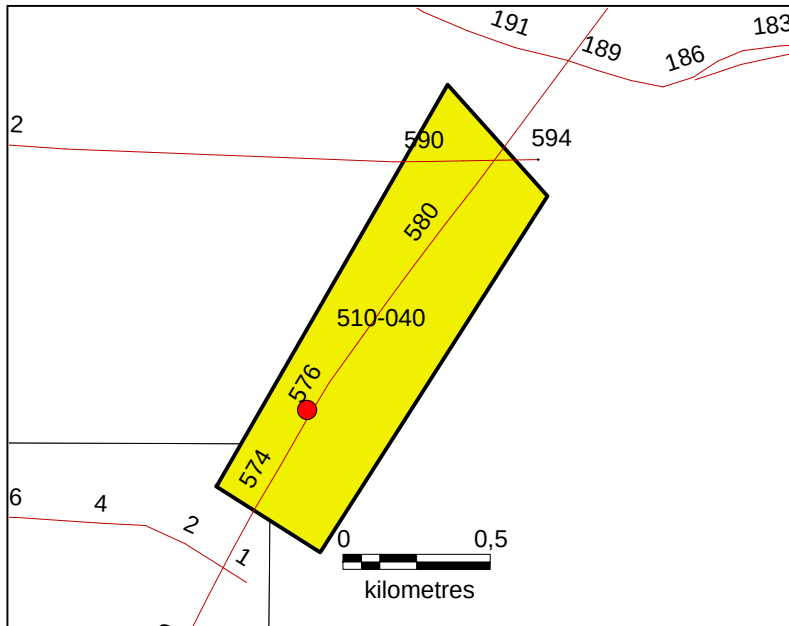
510-033-1) 672049,98 , 6099889,98

Seismiske linjer: 012

Eksisterende boring:



510-040



Generel info:

senglacial ferskvandssand. Spekulativ forekomst af senglacial oprindelse. Der er ingen tilgængelige borer fra forekom-sten, og tolkningen er kun baseret på en enkelt seismisk linje. Det meget sparsomme data-grundlag gør ressourcen til meget spekulativ.

Pos. Boring : (WGS84)

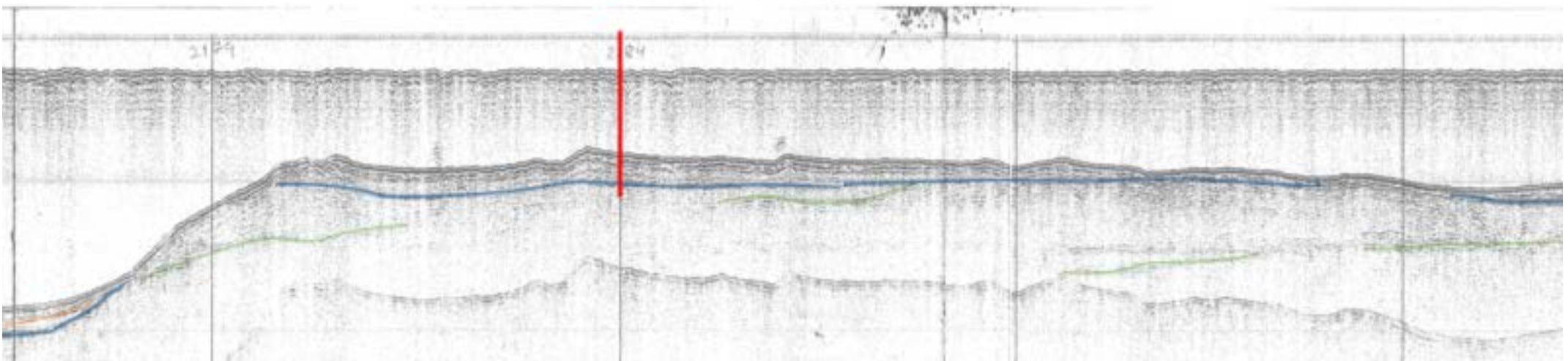
510-040-1) 647102,1 ; 6101003,98

Seismiske linjer: 510014

Eksisterende boring:

502-022-103

502-022-1



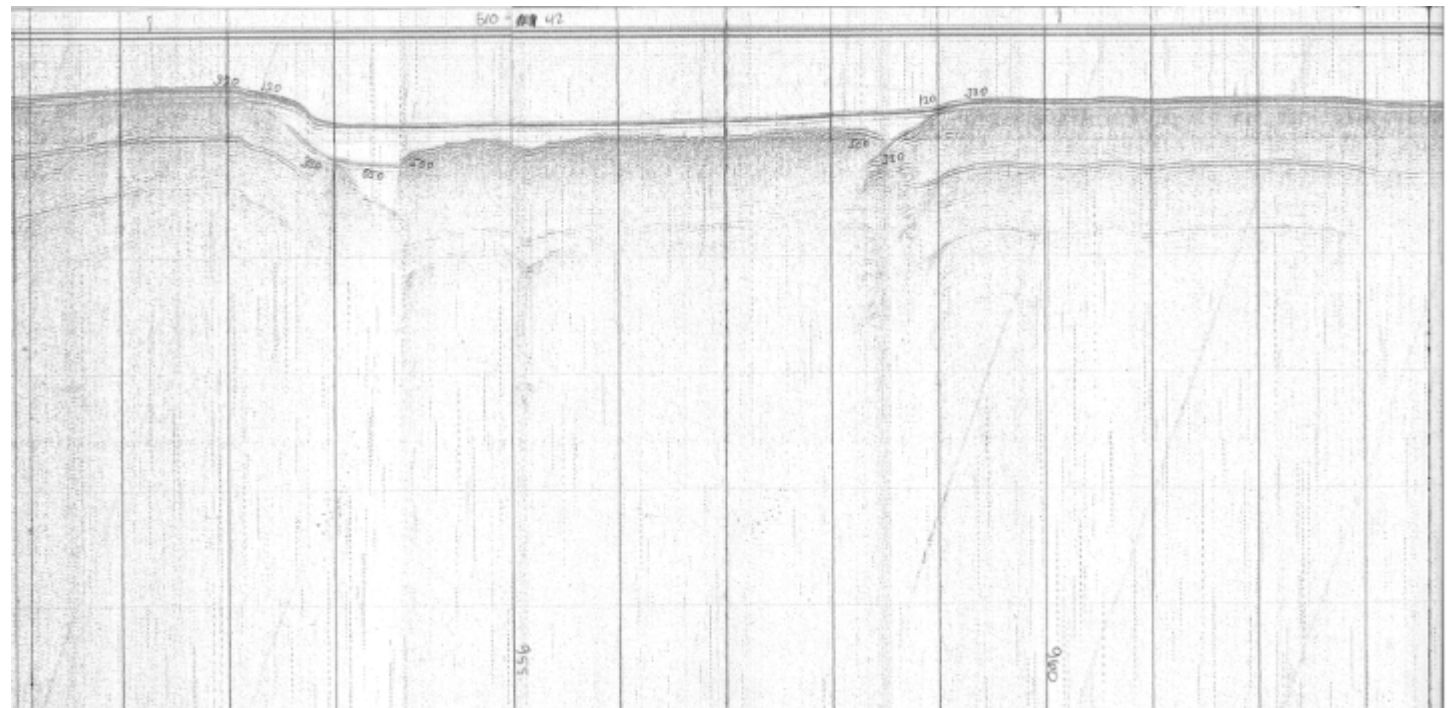
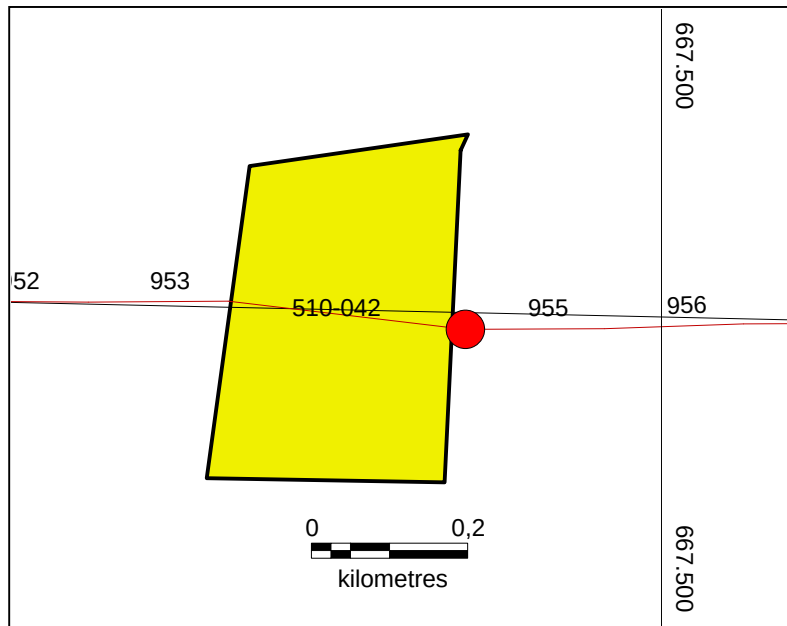
510-042

Generel info:
Postglacial saltvandssand.

Pos. Boring : (UTM 32)
1) 667249 , 6103925

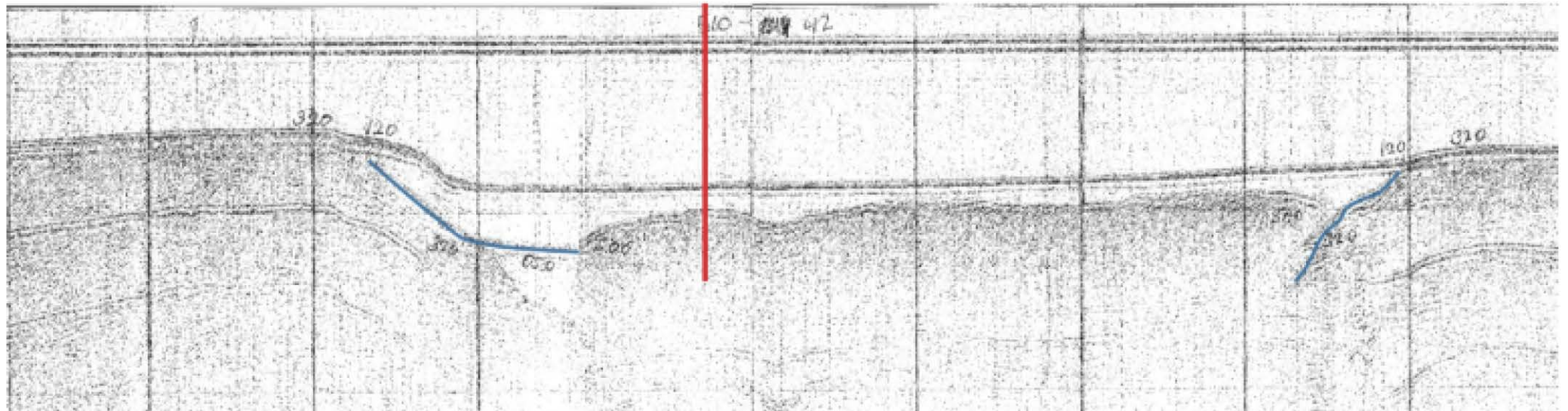
Seismiske linjer: 004

Eksisterende boring:

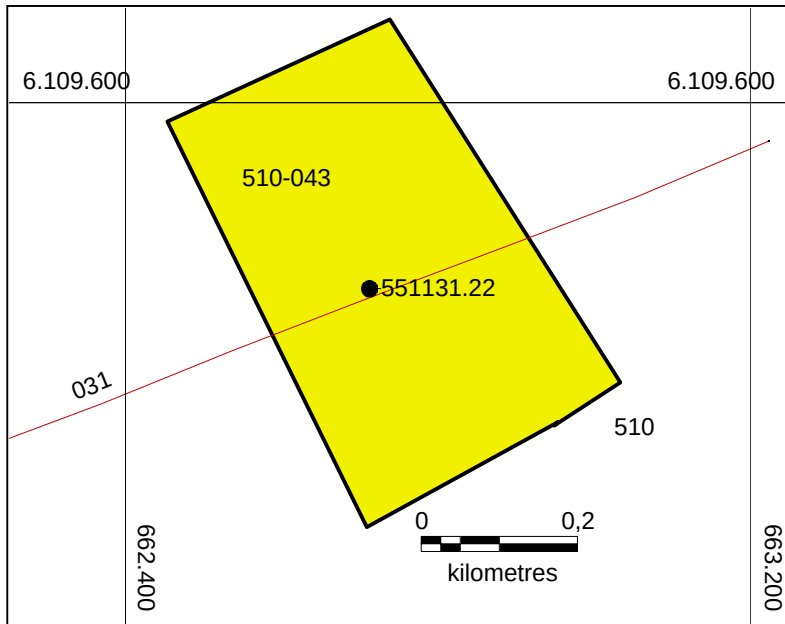


510-042-004

510-042-1



510-043



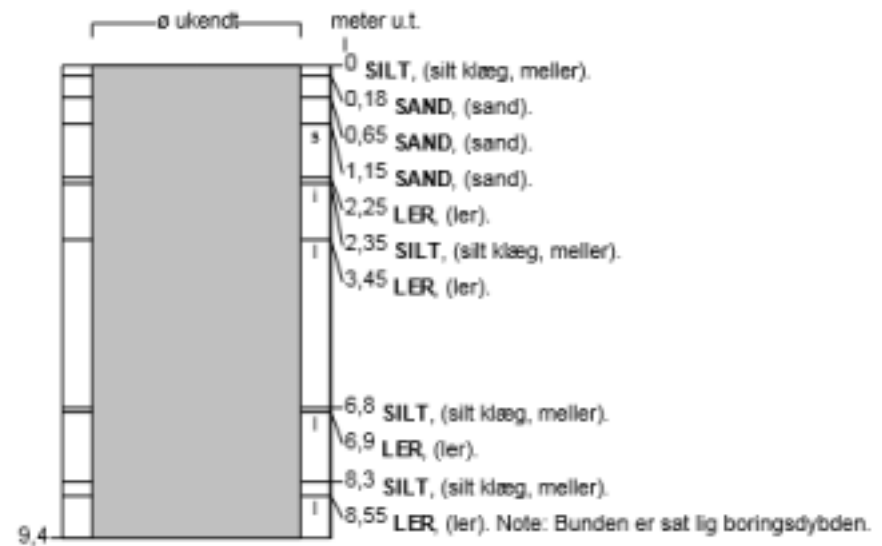
Generel info:

Senglacial ferskvandssand. Sandforekomst på ca. 2 meter under- og overlejret af ler og silt.

Pos. Boring : (UTM 32) Bores ikke da boring 551131.22 er godt beskrevet.

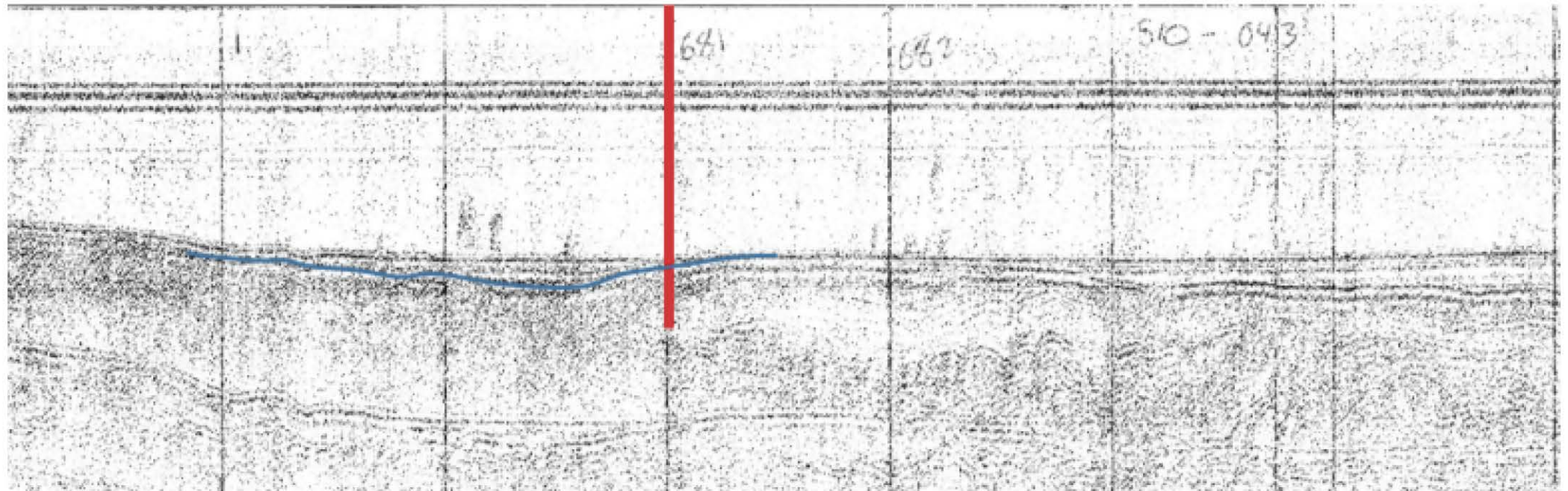
Seismiske linjer: 031

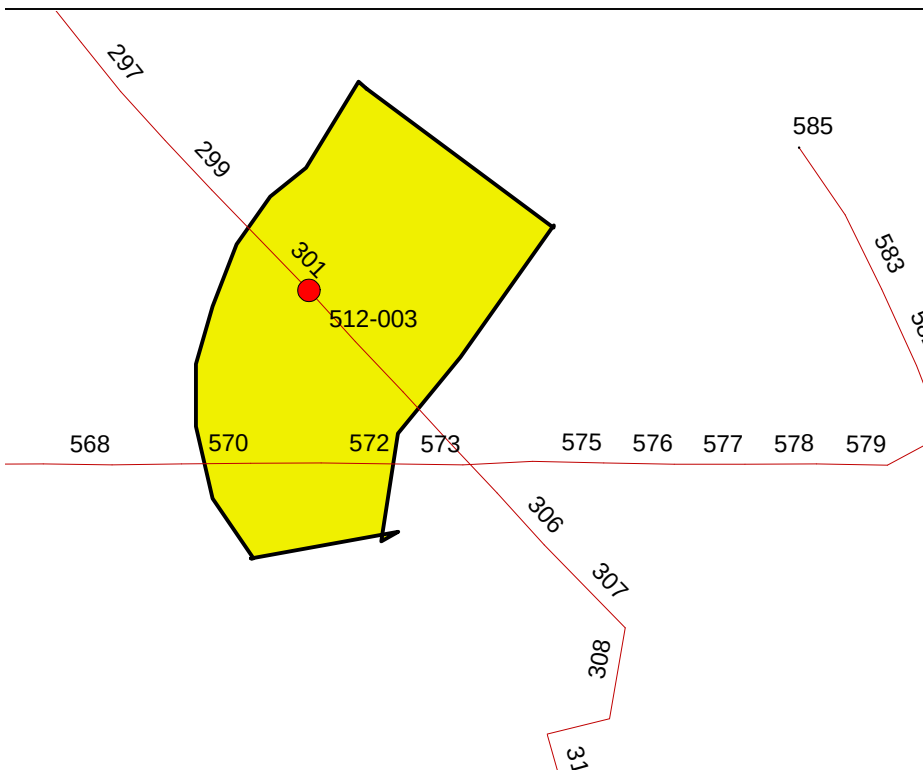
Eksisterende boring: 551131.22



510-043-031

551131.22





512-003

Generel information:
Ingen information

Resource Type: Sand

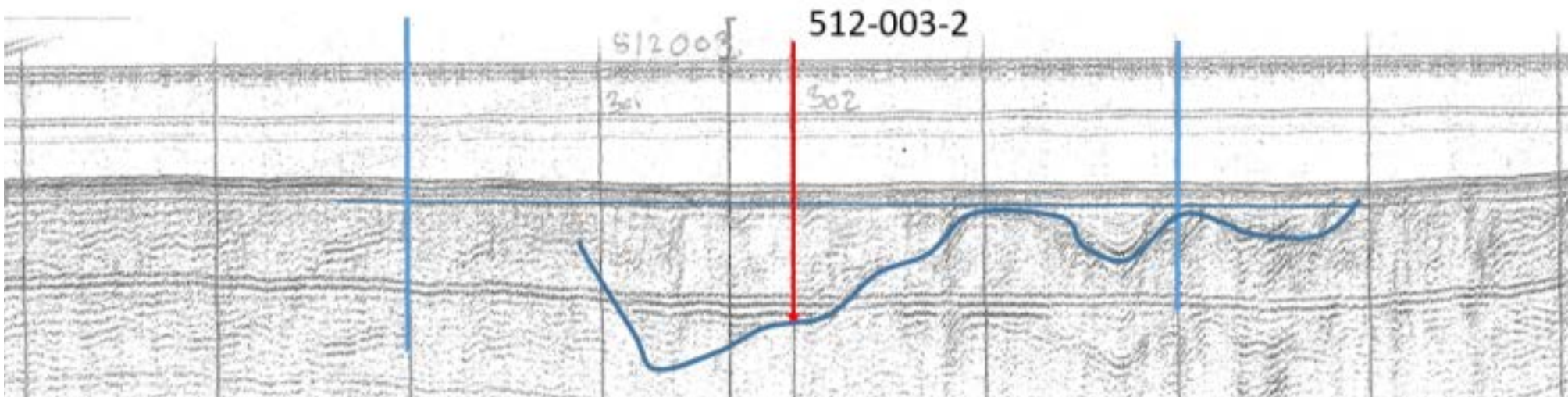
Borring position:
512-003-1) 625313,21 , 6072153,13

Estimeret vanddybde: 8,5 m

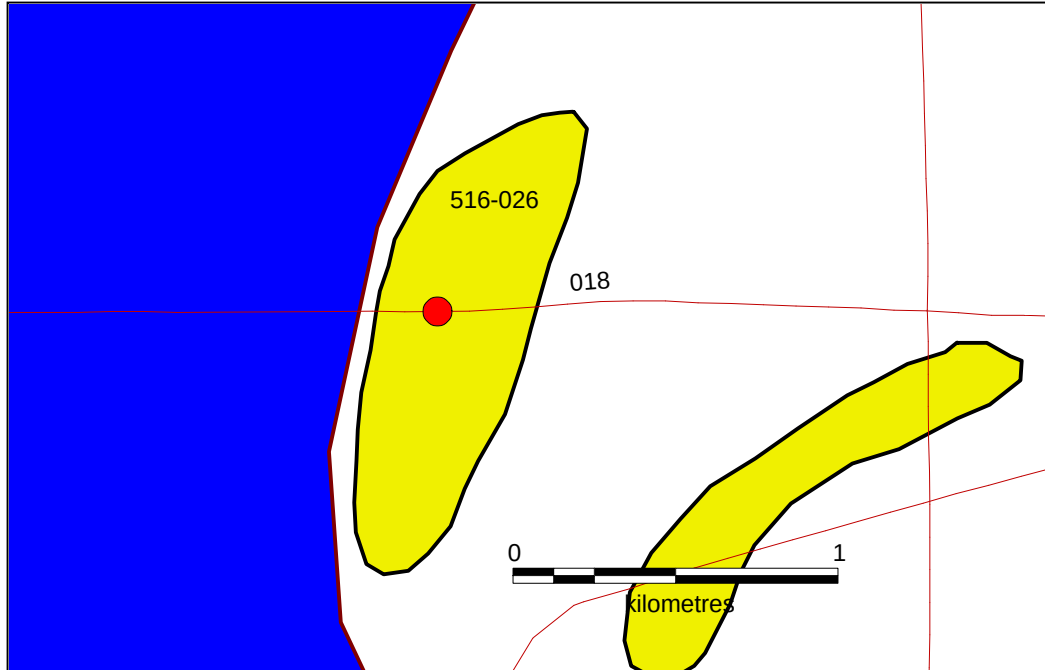
Seismiske linjer: 017, 024

Eksisterende boringer:
Ingen

512-003-024



516-026



Generel information:
akkumulationsflak

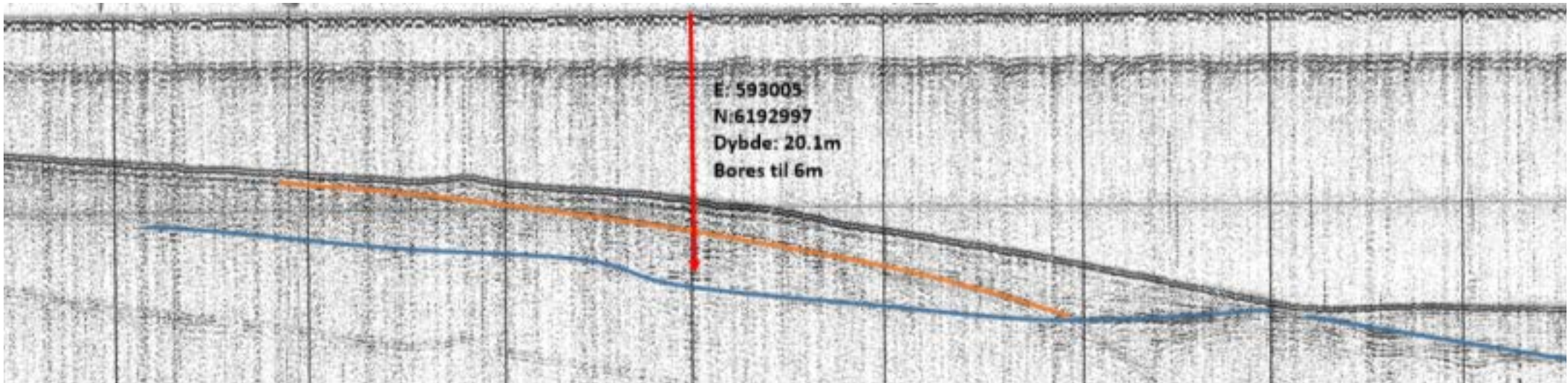
Resource Type: Sand

Seismiske linjer: 018

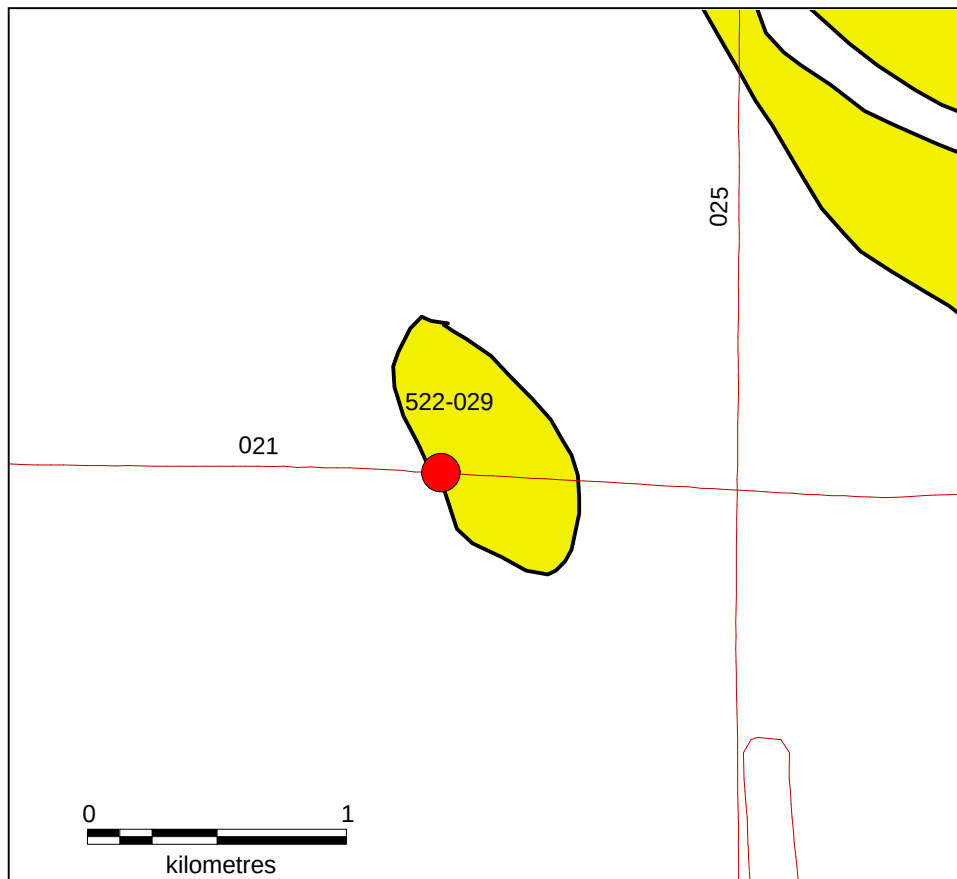
Borring position og vanddybde: (UTM 32 / ED 50)
E: 593003 N: 6192997
Vanddybde: 20.1m

Eksisterende boringer:

Sejllinje 546026



522-029



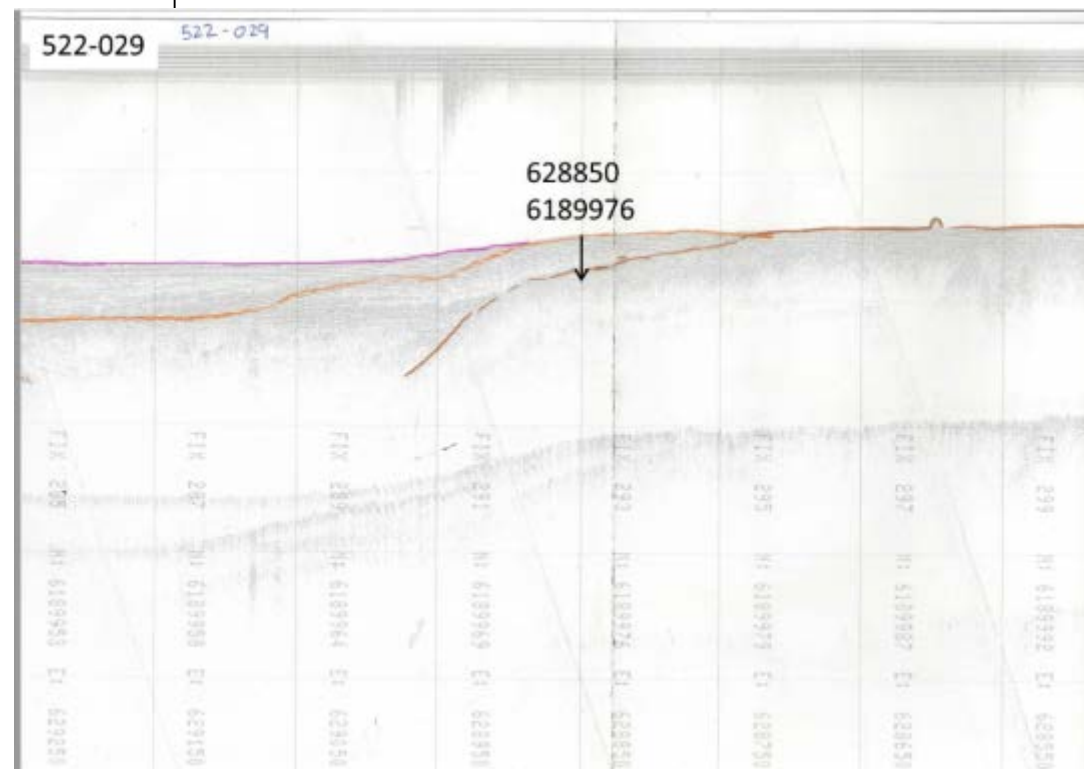
Generel information:
akkumulationsflak

Resource Type: Sand

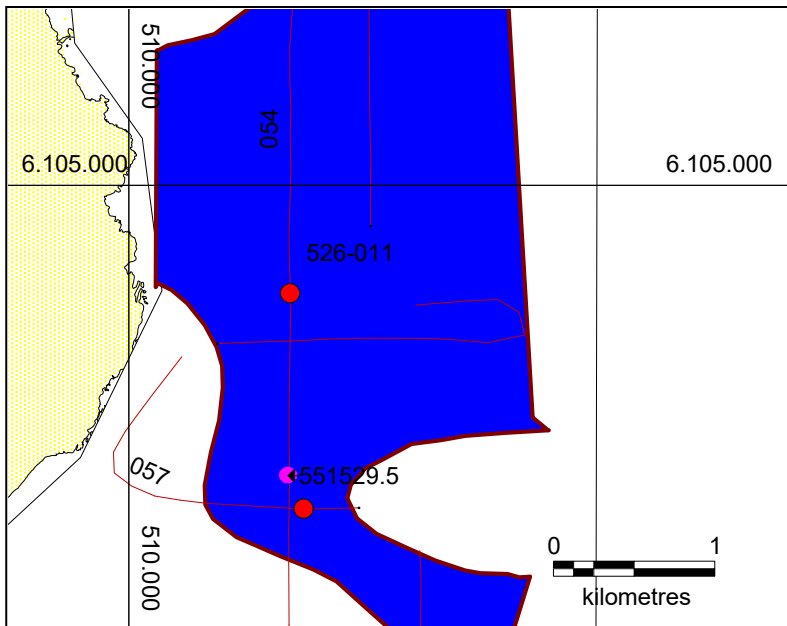
Borring position: 628850 , 6189976
Estimeret vanddybde:

Seismiske linjer: 15 m

Eksisterende borringer:
ingen



526-011



Generel info:
Postglacial saltvandssand

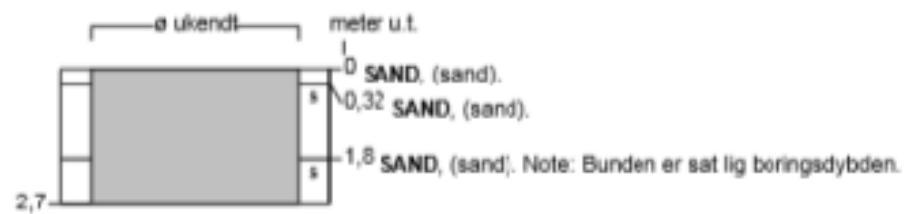
Pos. Boring : (WGS84)
526-011-1) 510930,84 , 6104130,66

526-011-2) 511014,84 , 6102791,66

Approx vanddybde: 40 m

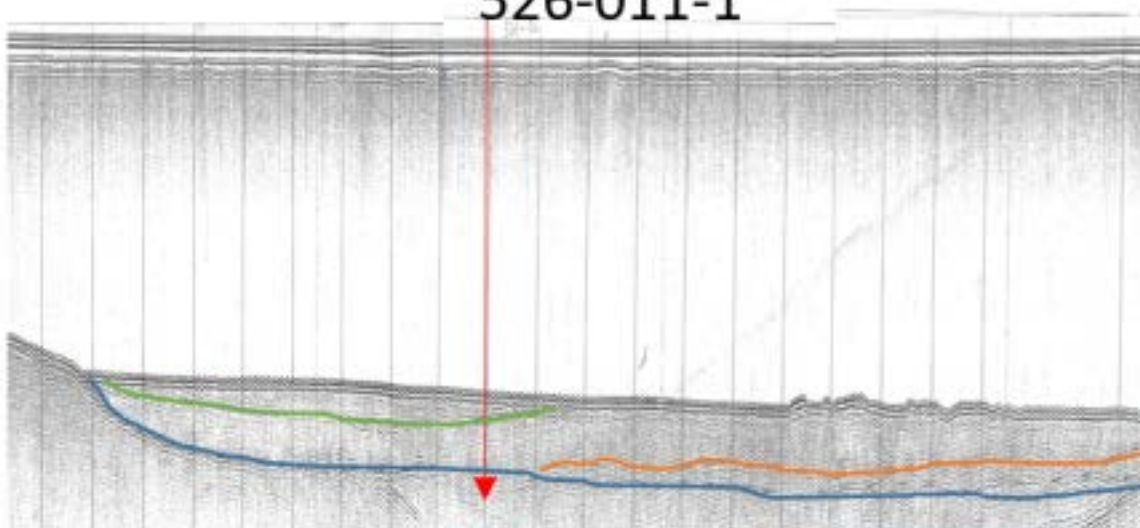
Seismiske linjer: 57, 54

Eksisterende boring: 551529.5



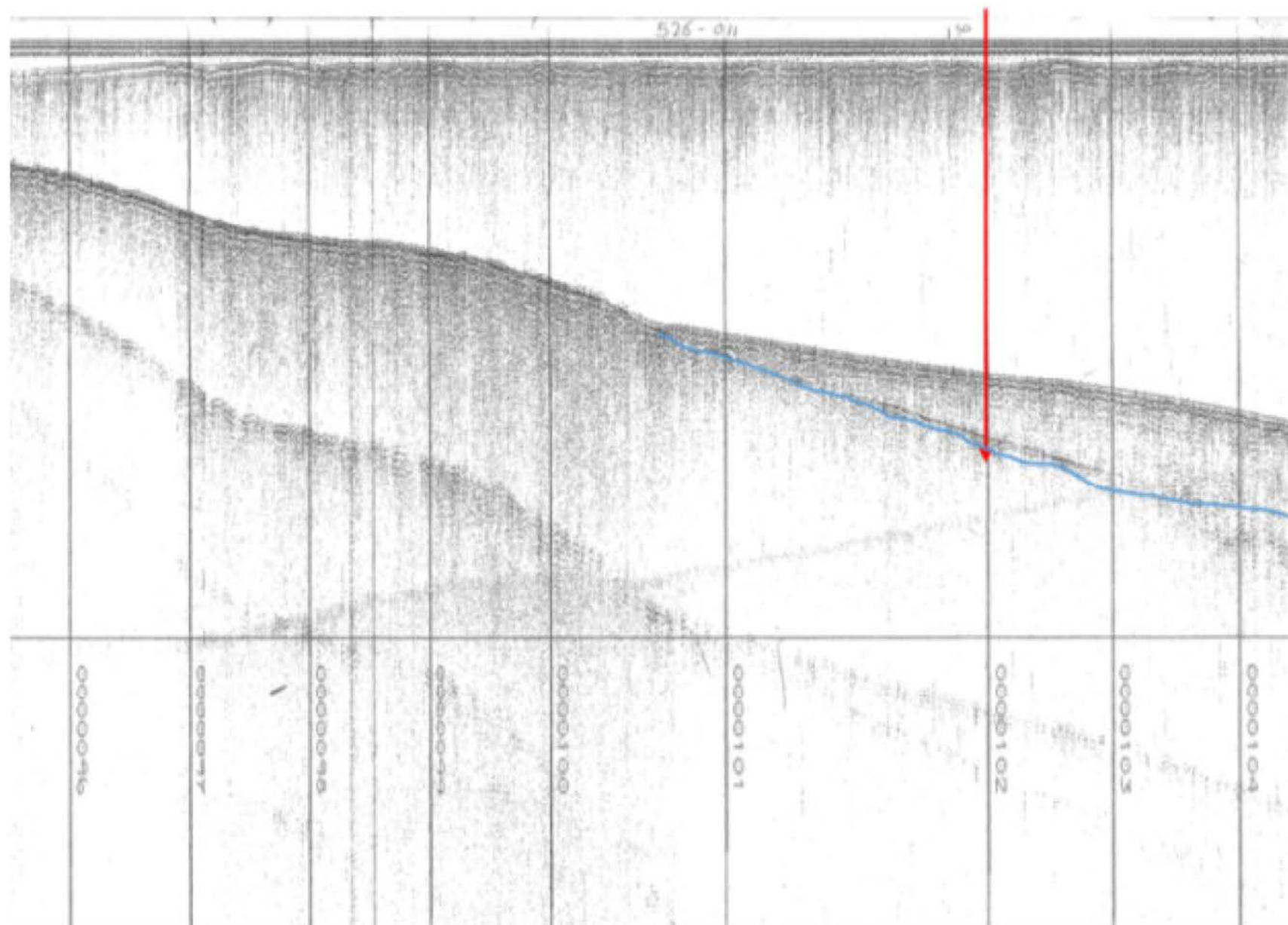
526-011-054

526-011-1

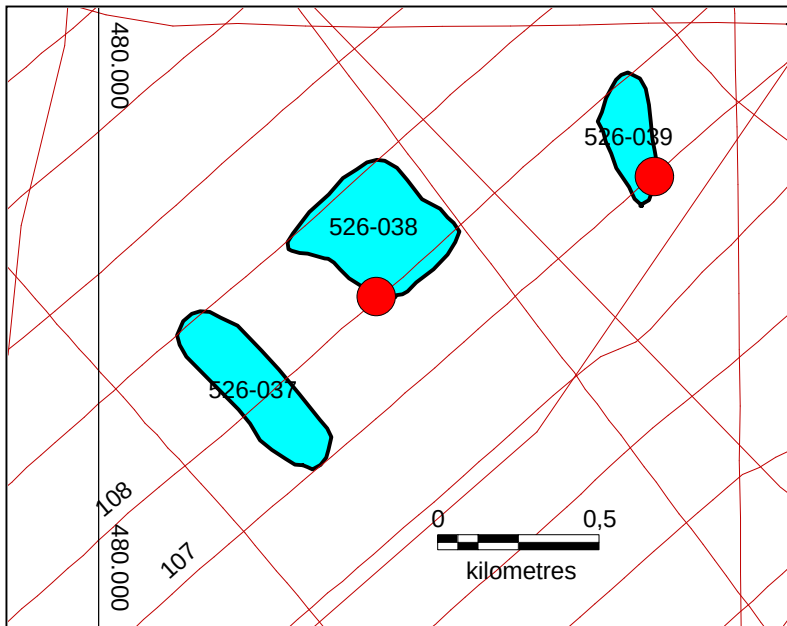


526-011-057

526-011-4



526-039,038,037



Generel info:

senglacial ferskvandsgrus

(EVT. BORES kun en af de sammenlignelige res -037, 038, el. -039.

Pos. Boring : (UTM 33)

526-038-1 : 479394 , 6103851

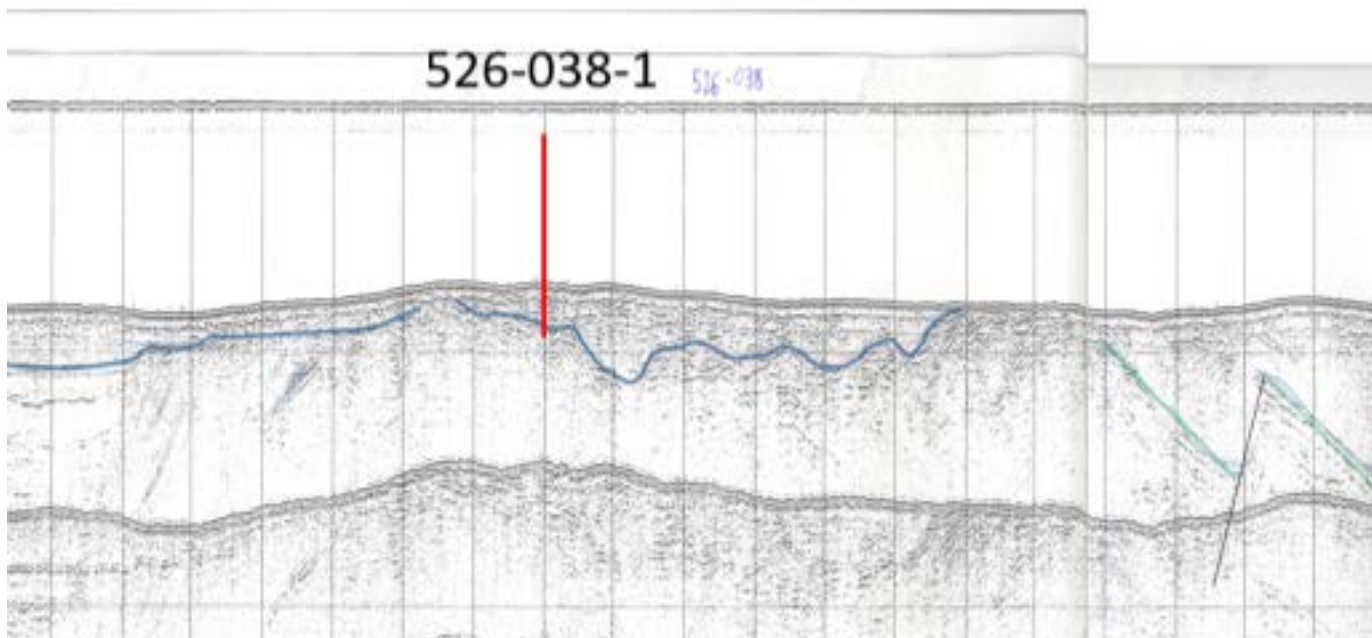
526-039-1 : 481728 , 6101527

Approx vanddybde: 14 m

Seismiske linjer: 108 , 107

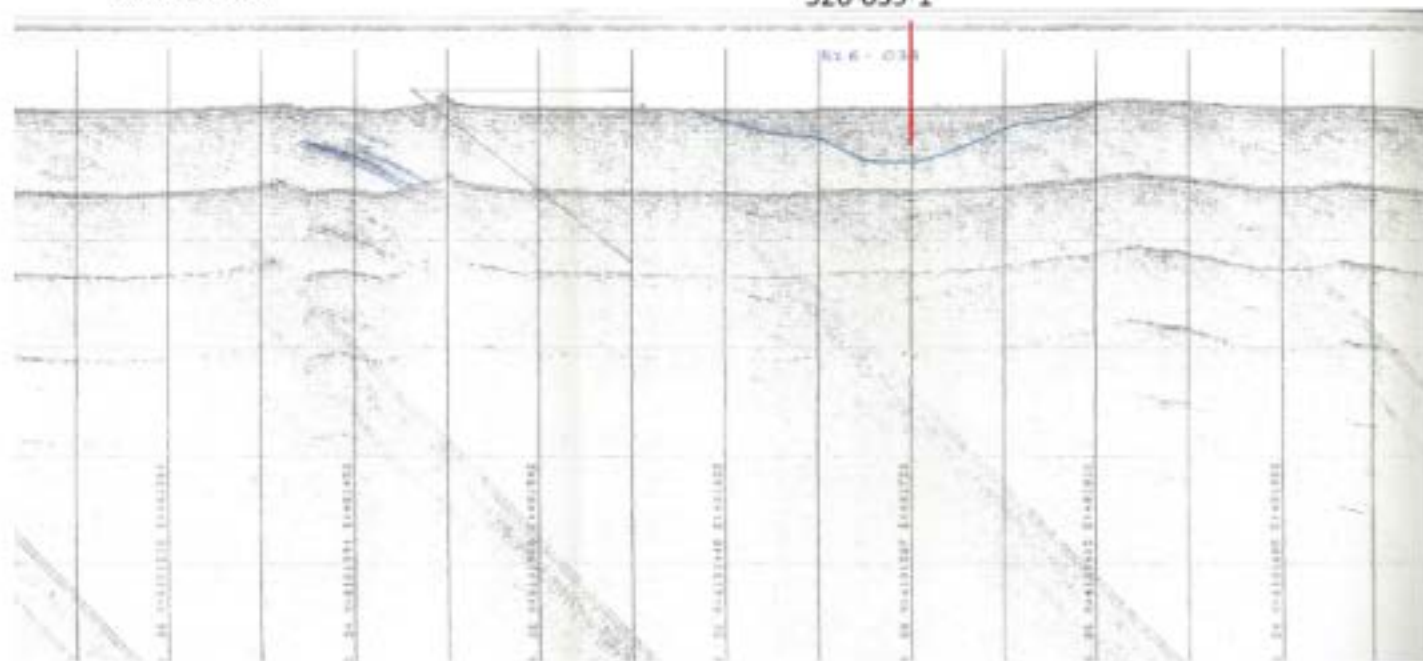
Eksisterende boring:

526-038-108

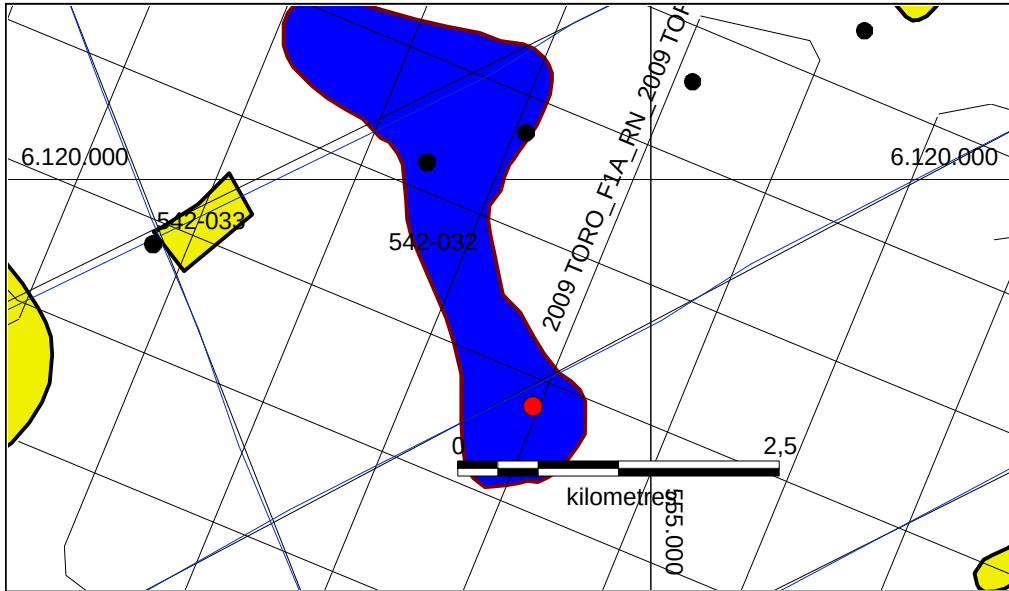


526-039-107

526-039-1



542-032



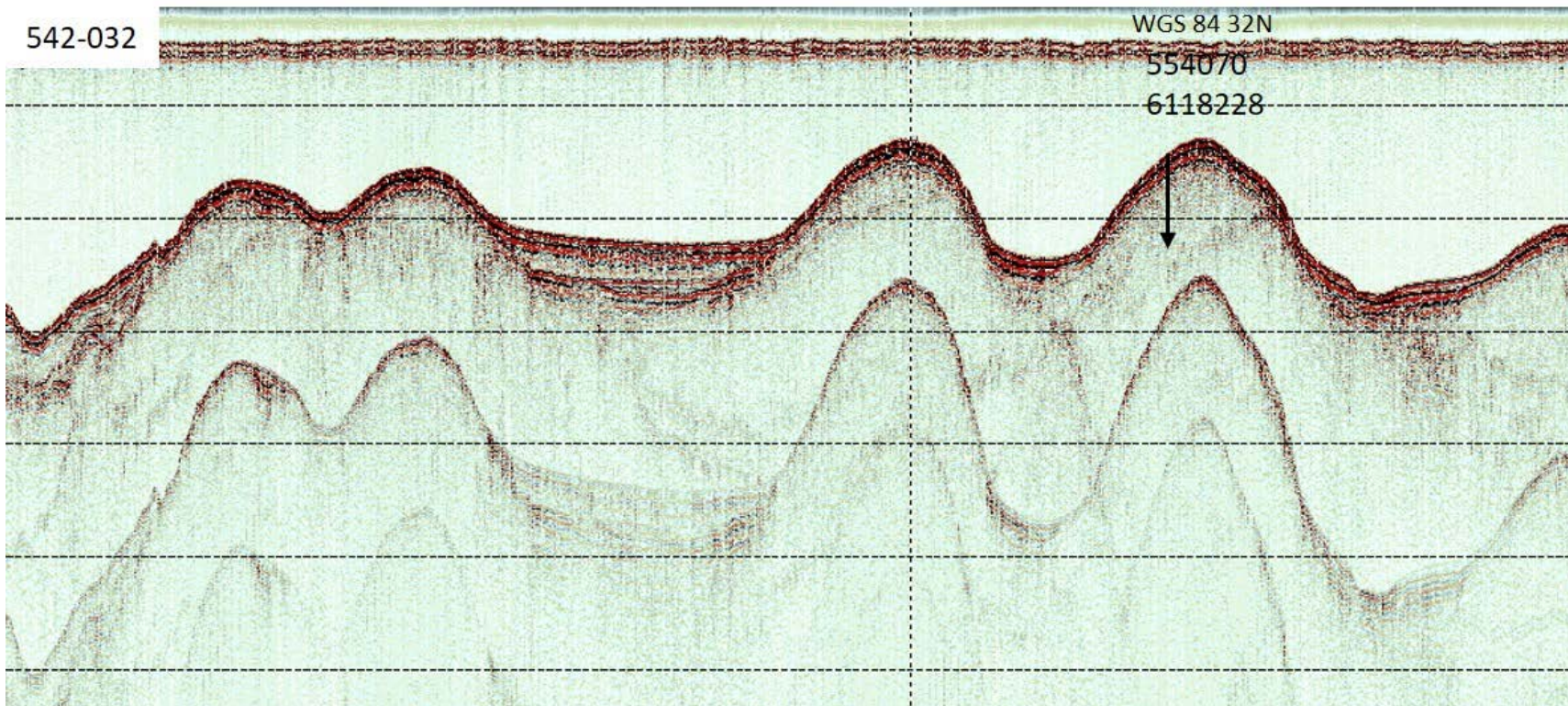
Generel info:
Postglacial saltvandsgrus.

Pos. Boring (WGS84 zone 32) : 553997,66 ; 6118029,59

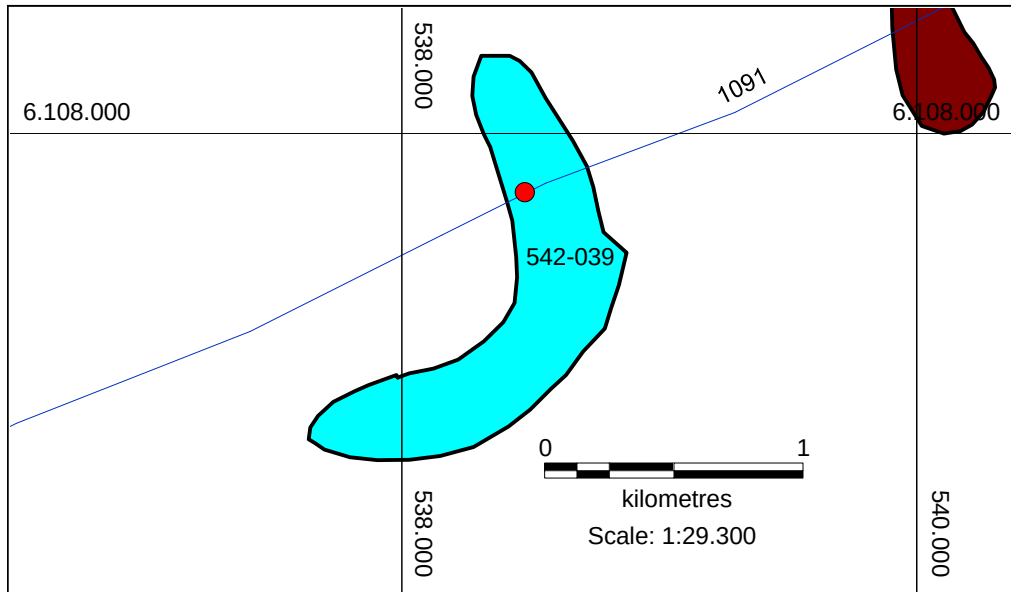
Vanddybde: 8m

Seismiske linjer: 1091

Eksisterende boring:



542-039



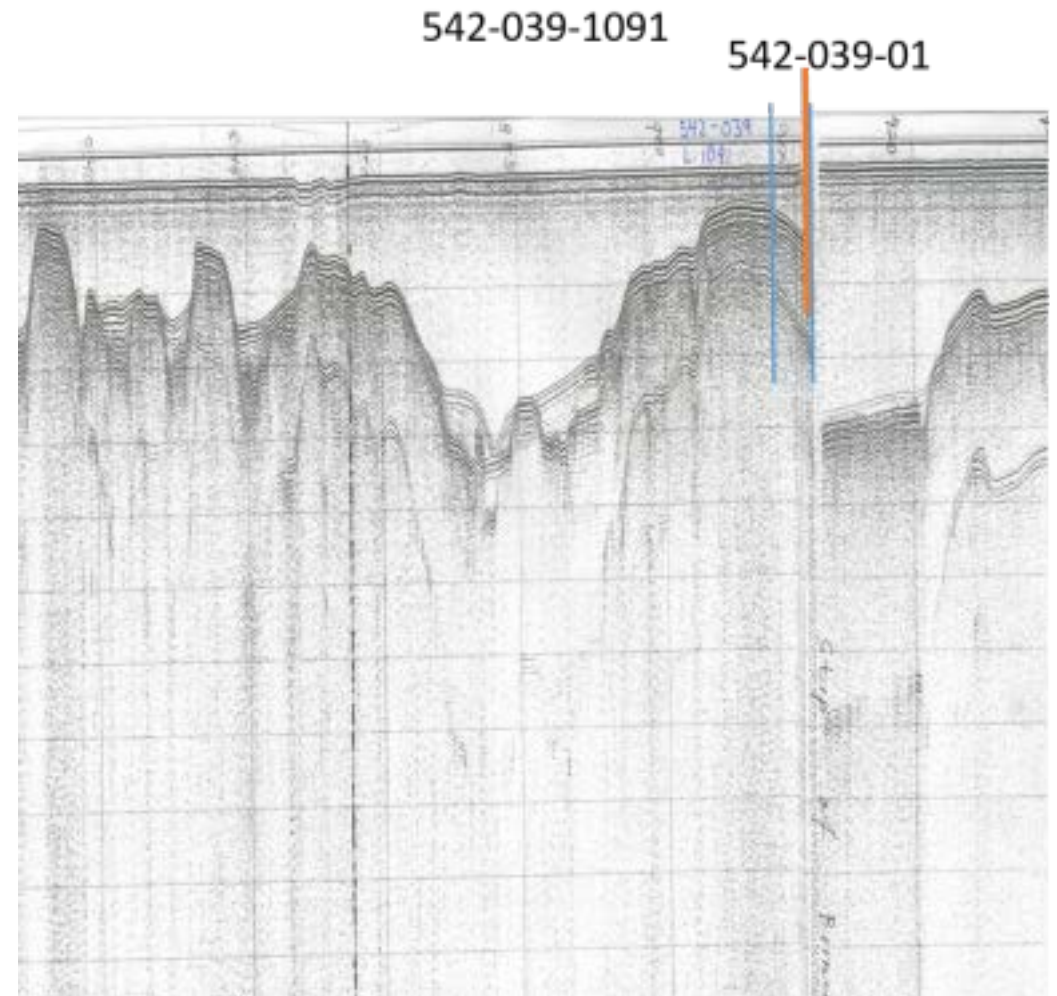
Generel info:
Postglacial saltvandsgrus.

Pos. Boring (UTM 32) : 538.478,17 6.107.770,49

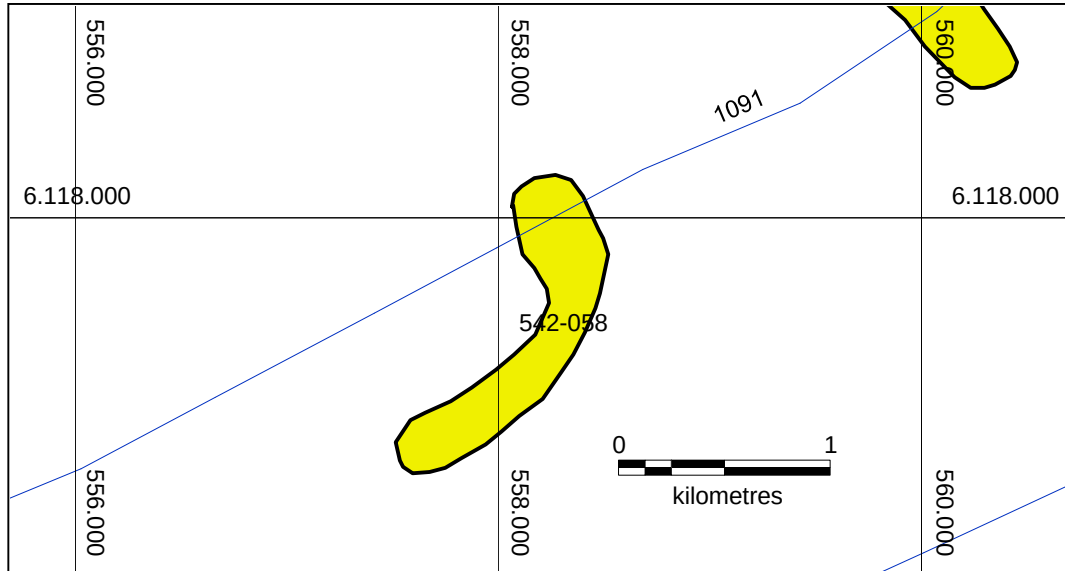
Vanddybde: 16 m

Seismiske linjer: 1091

Eksisterende boring:



542-058



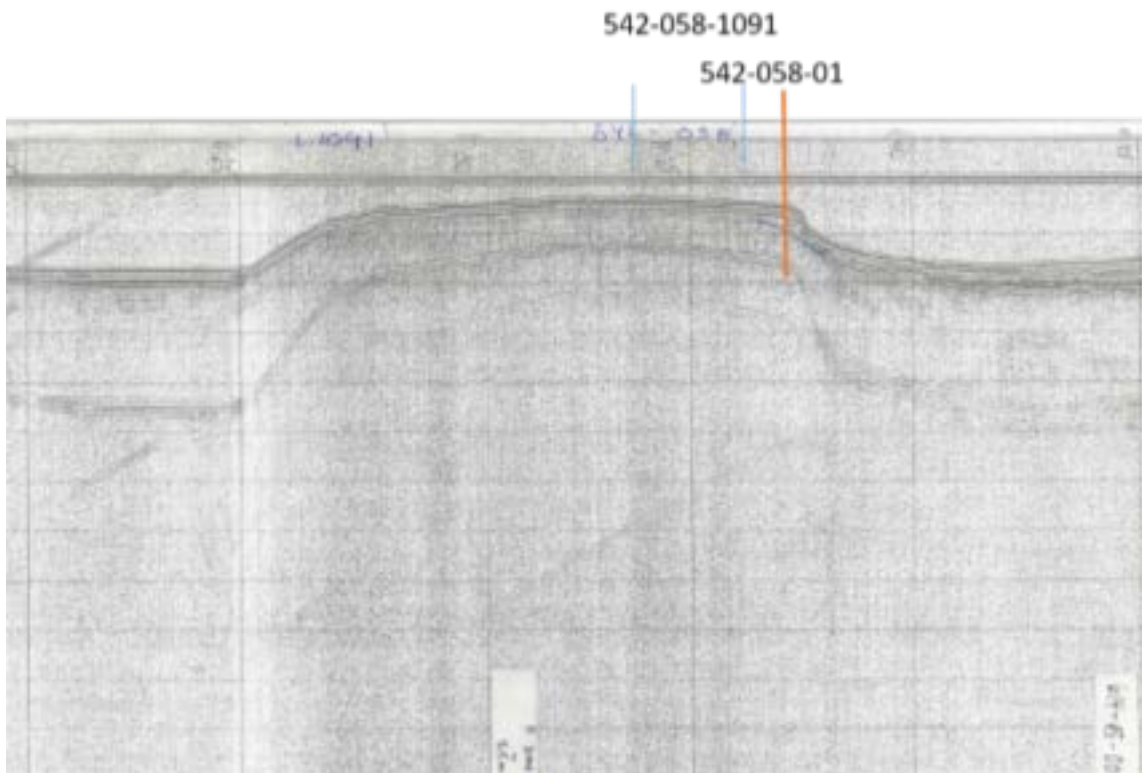
Generel info:
Postglacial saltvandssand.

Pos. Boring (UTM 32) : 558.241,58 6.117.997,78

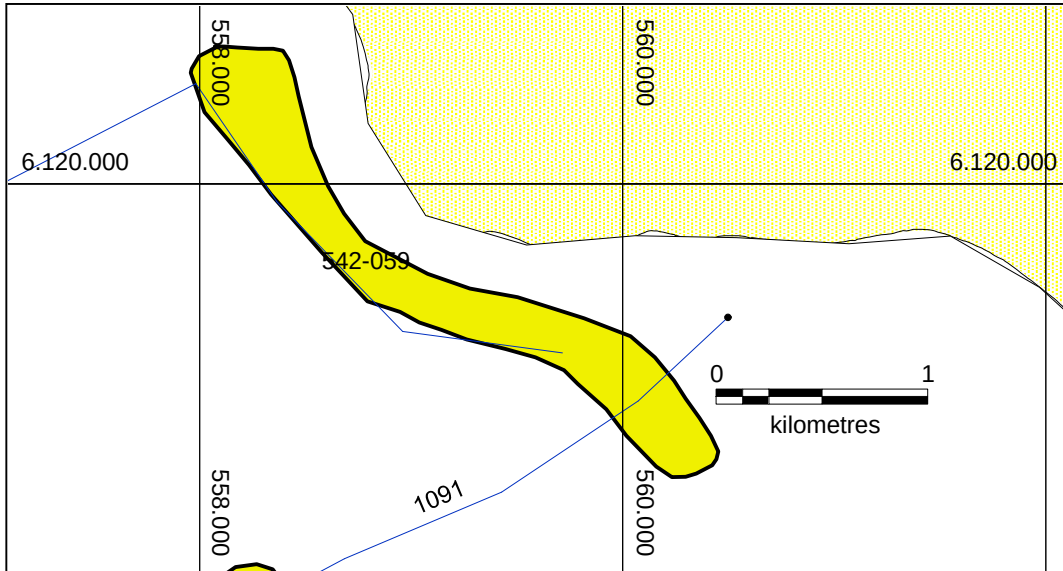
Vanddybde: 8m

Seismiske linjer: 1091

Eksisterende boring:



542-059



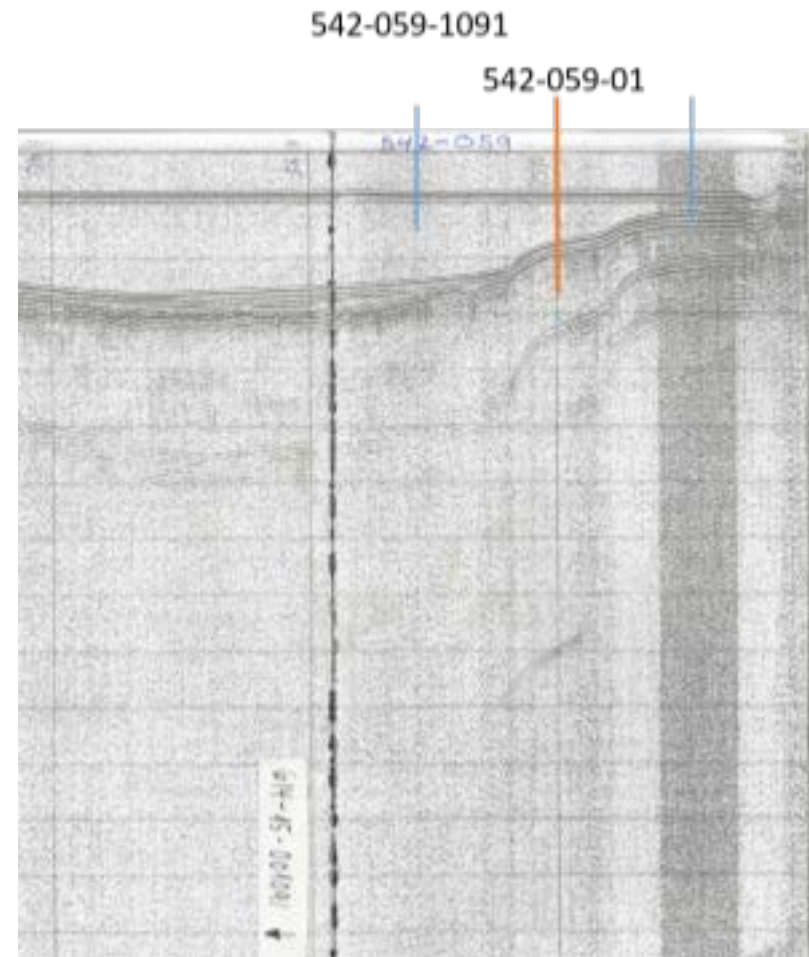
Generel info:
Postglacial saltvandssand.

Pos. Boring (UTM 32) : 560.002,37 6.118.932,44

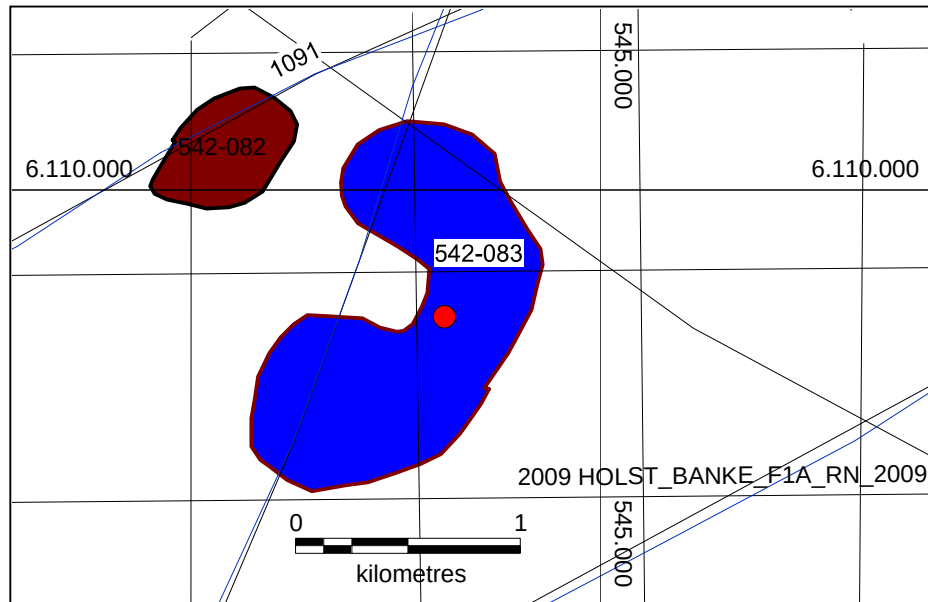
Vanddybde: 10m

Seismiske linjer: 1091

Eksisterende boring:



542-083



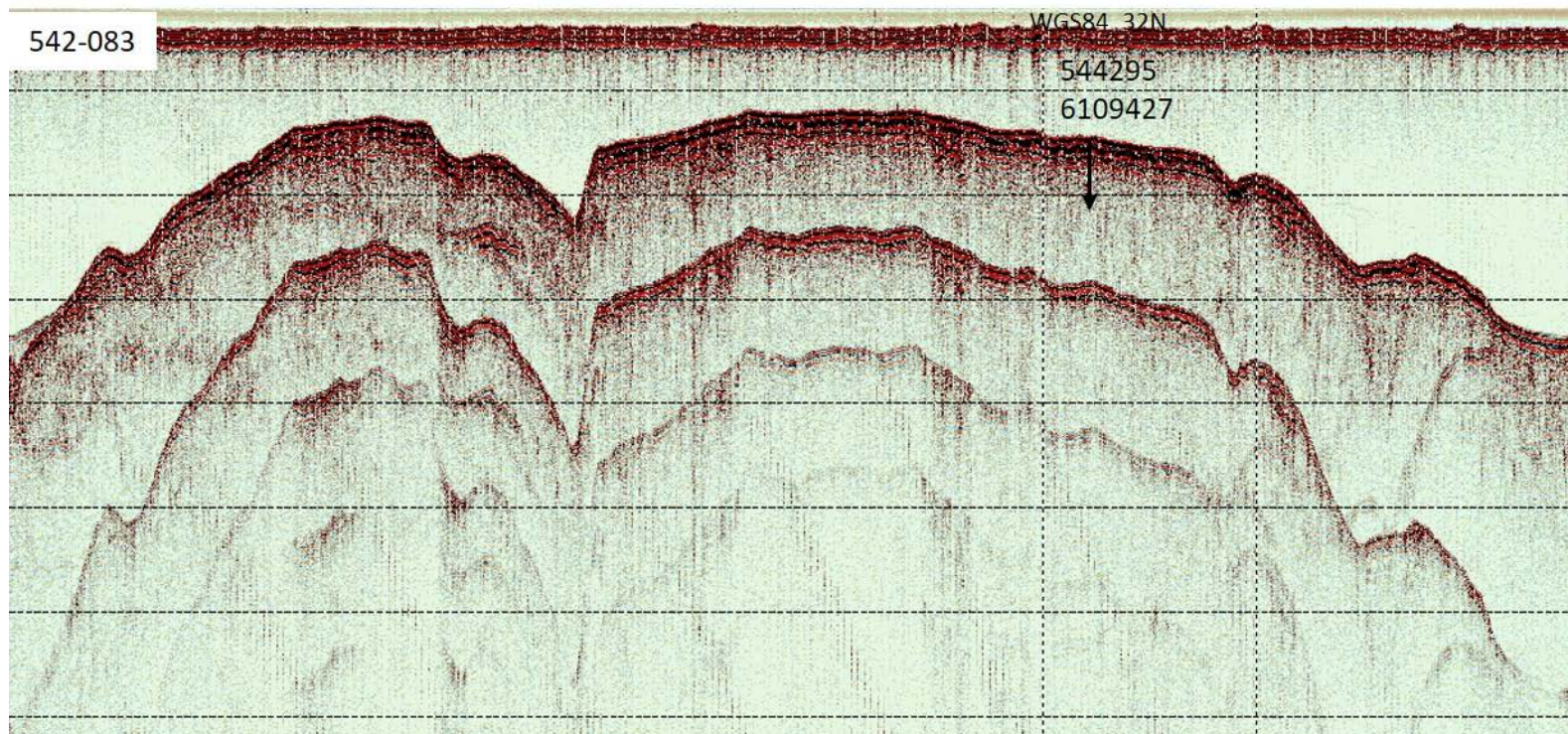
Generel info:
Postglacial saltvandsgrus

Pos. Boring 01 (WGS84 zone 32) : 544222,69 ; 6109228,63

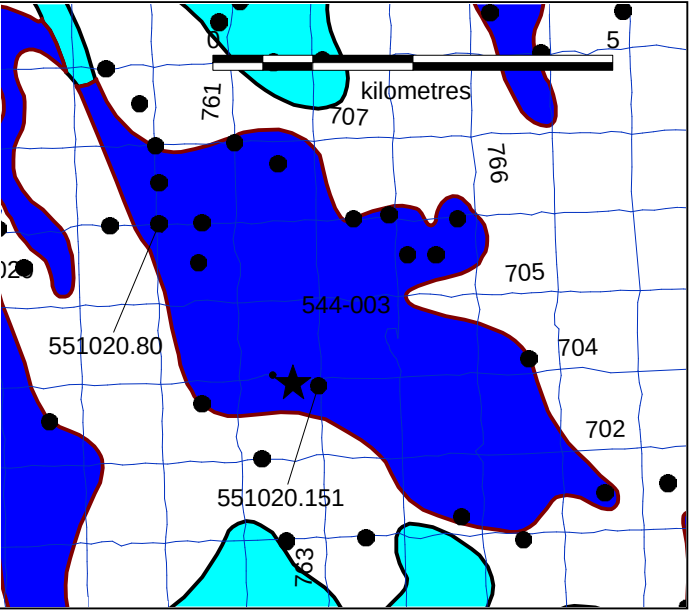
Vanddybde:

Seismiske linjer: Holst Banke

Eksisterende boring:

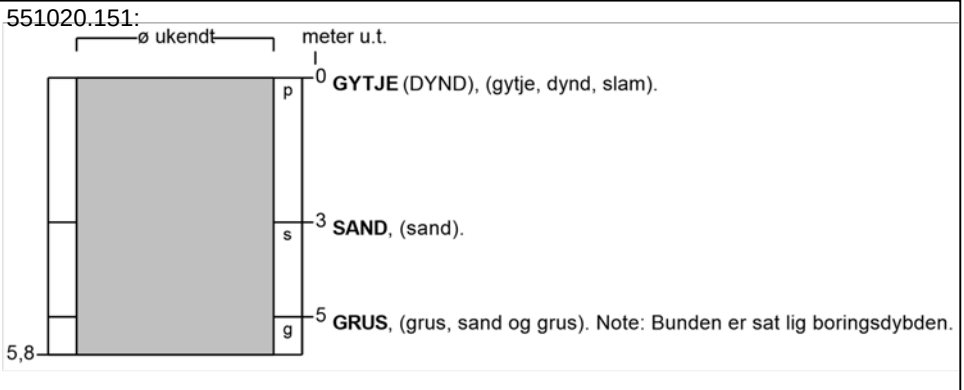
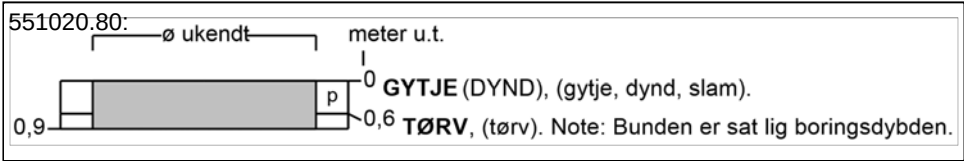


544-003

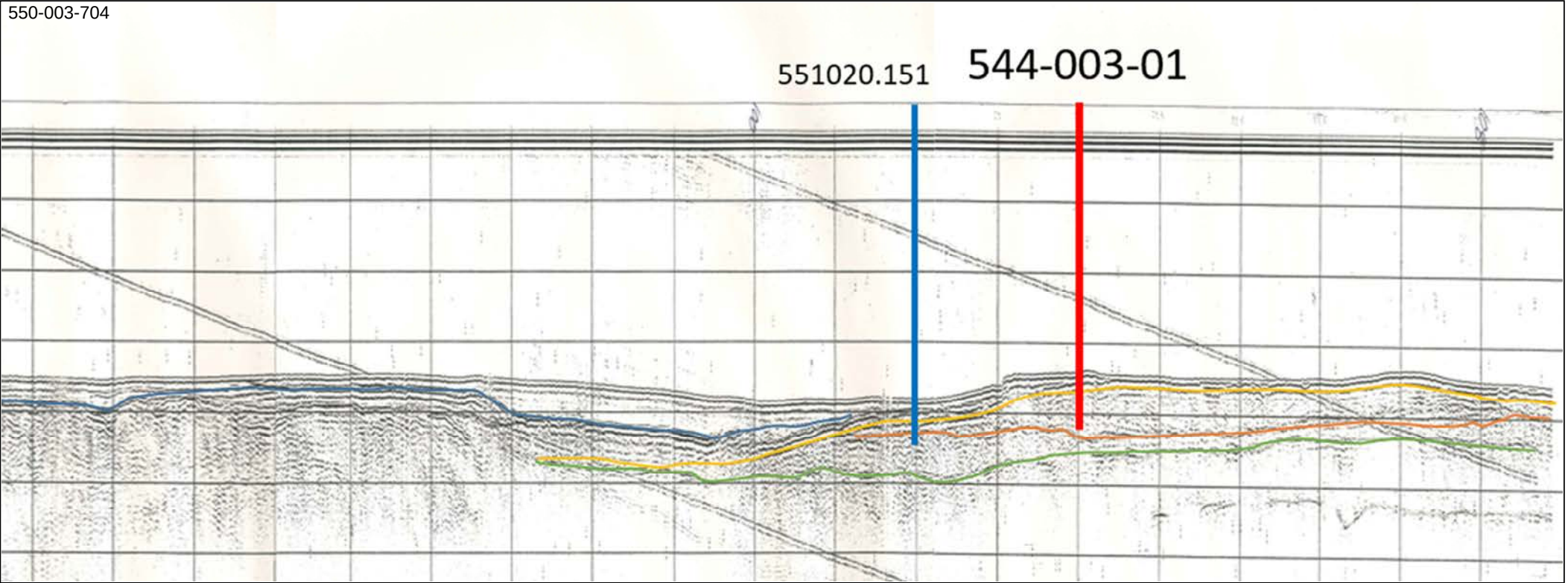


Generel info:
sand
vanddybde: omkring 20-27m

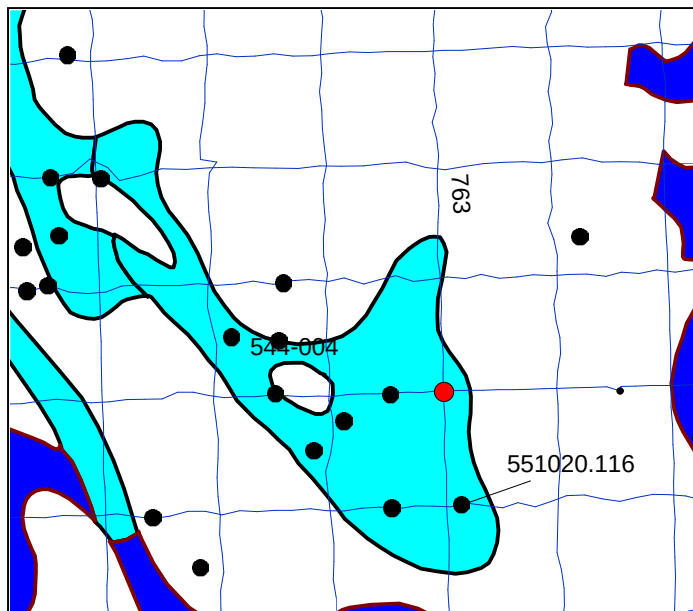
Pos. boring (UTM32 ED50):
624.223, 6.140.279
vanddybde 25m



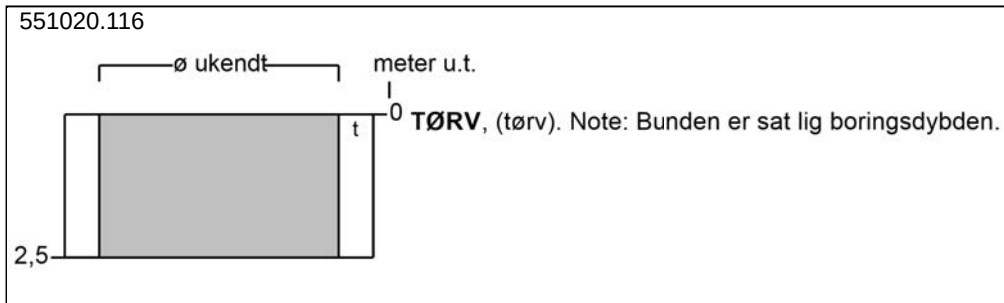
550-003-704



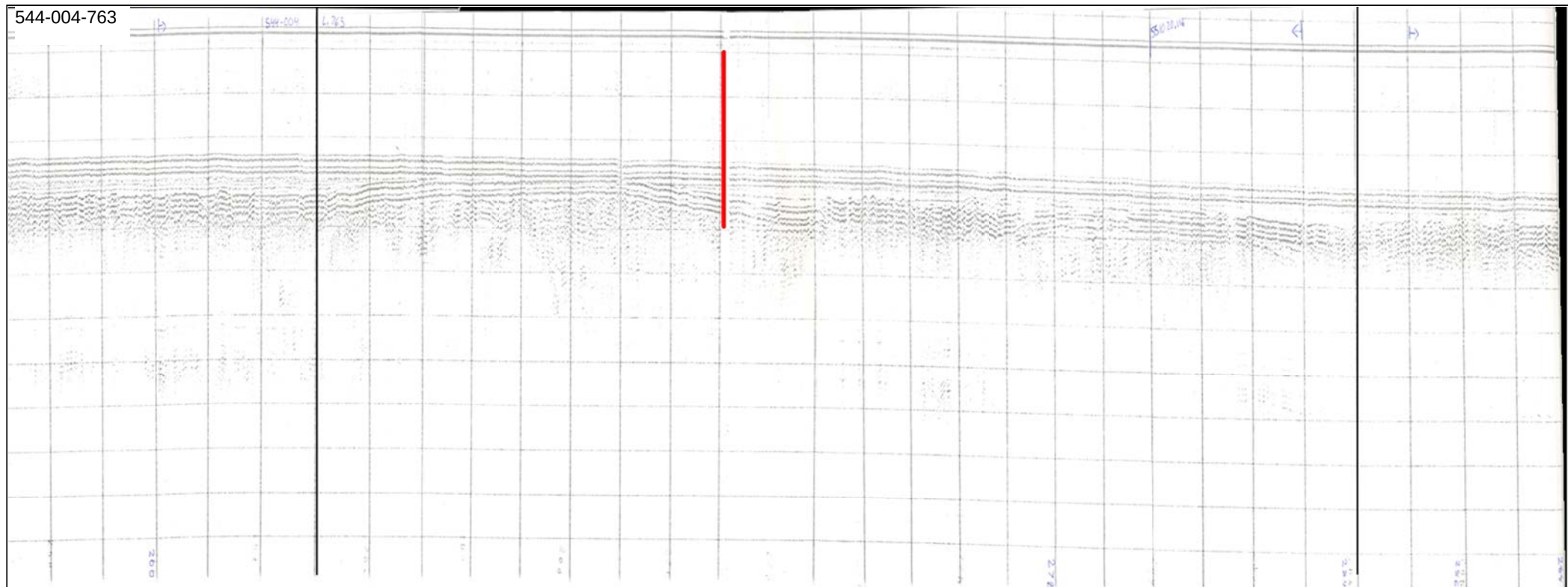
544-004



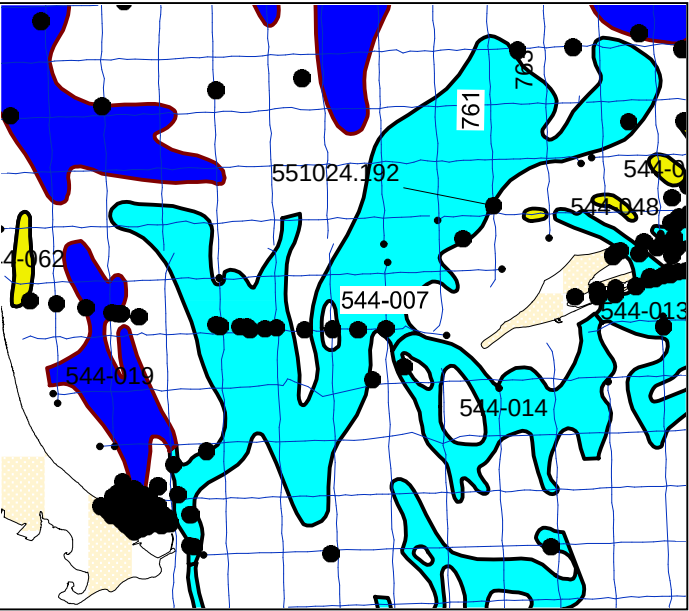
Generel info:
Postglacialt saltvandssand
vanddybde: omkring 20-25m



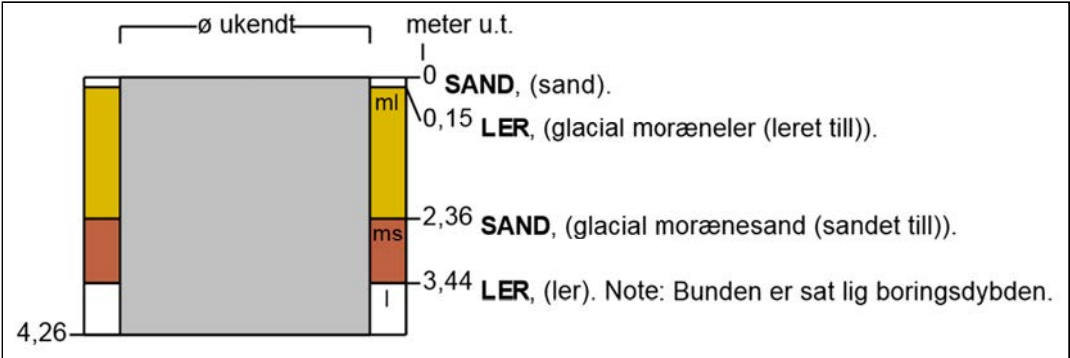
544-004-763



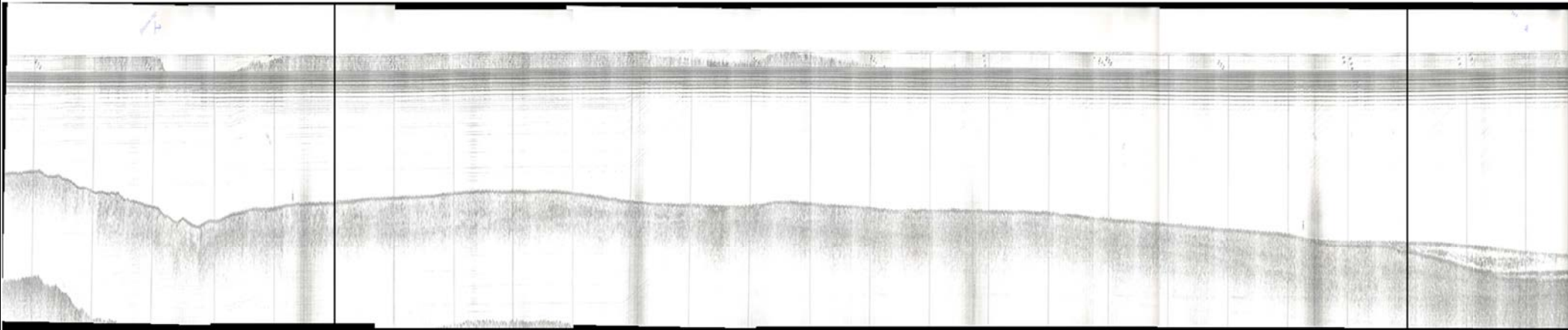
544-007



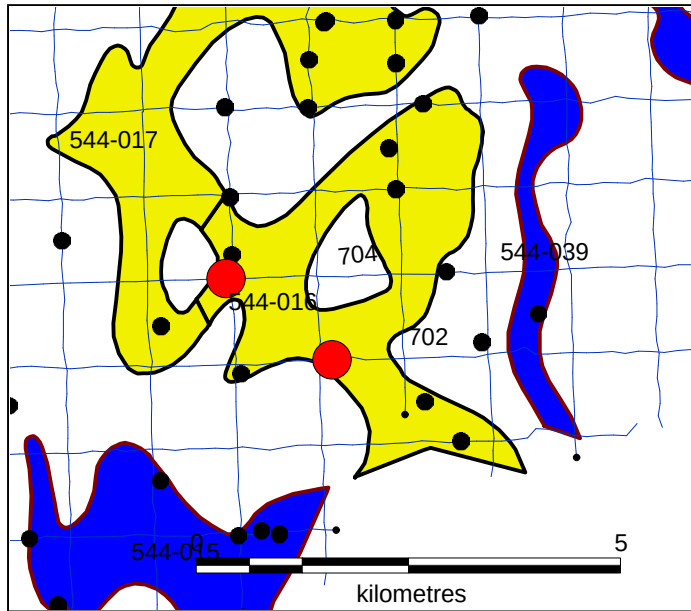
Generel info:
intet



544-007-761



544-016



Generel info:
intet

Pos. boringer (UTM32 ED50):

544-016-01:

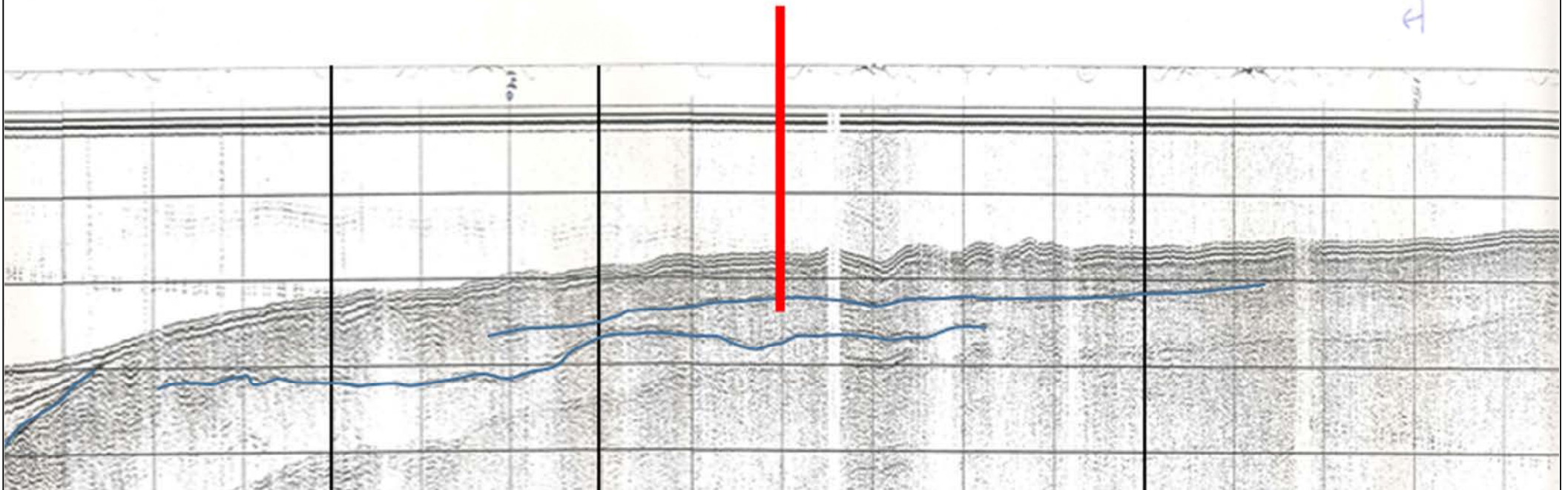
631.491, 6.140.508 vanddybde 15,6m

544-016-02:

632.742, 6.139.547 vanddybde 9,1m

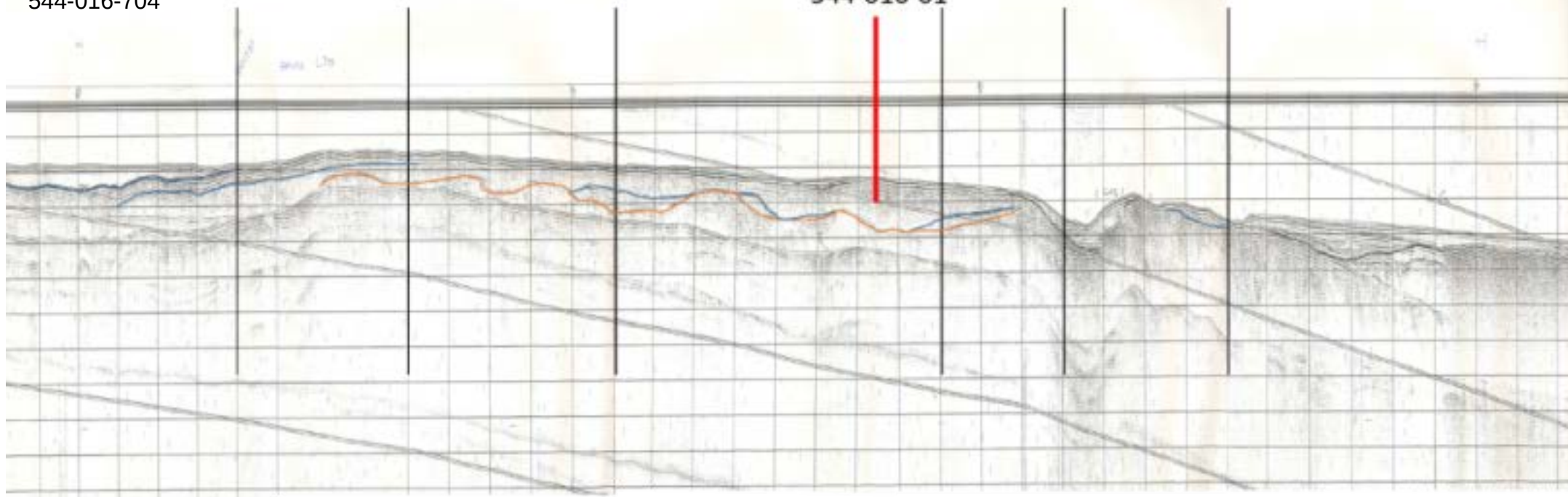
544-016-702

544-016-02



544-016-704

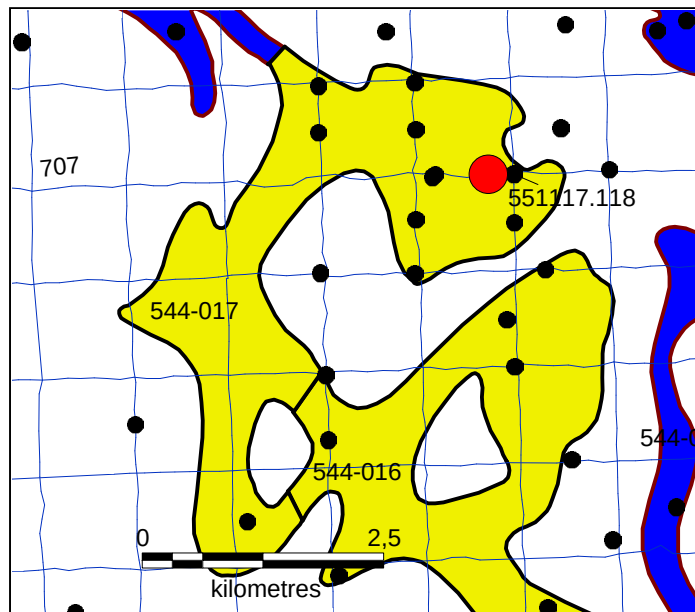
544-016-01



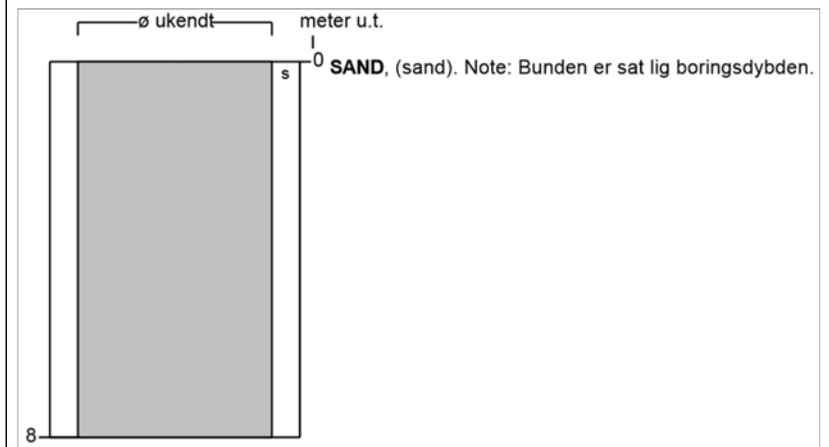
544-017

Generel info:
intet

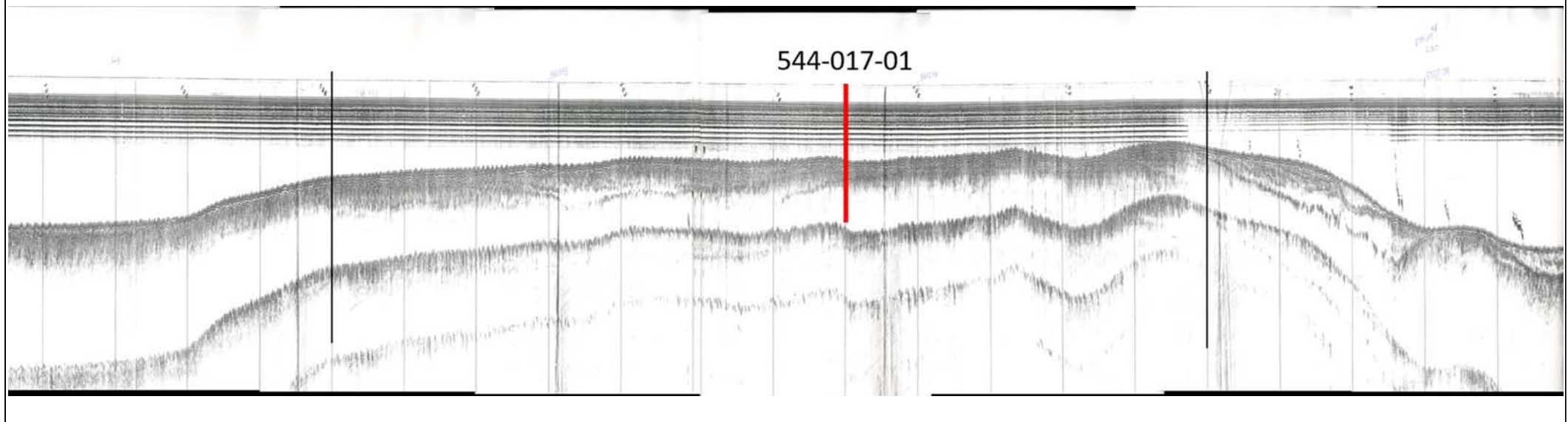
Pos. boring (UTM32 ED50):
633.224, 6.143.562 vanddybde 6,5m



551117.118



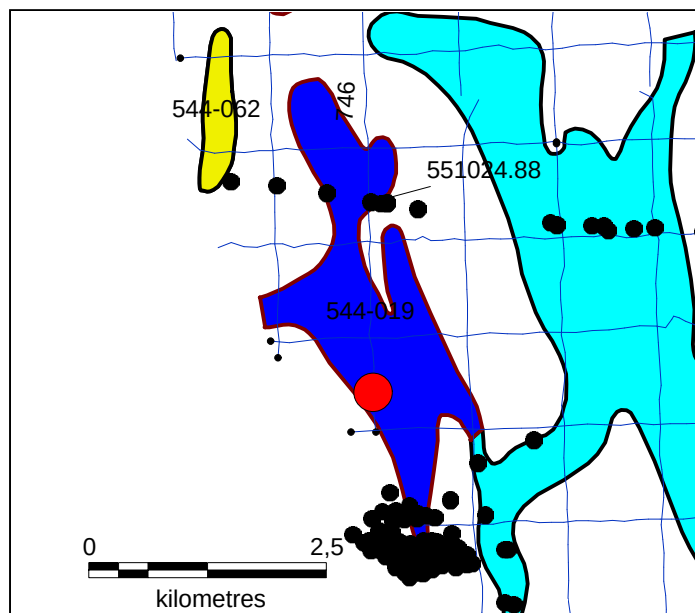
544-017-707



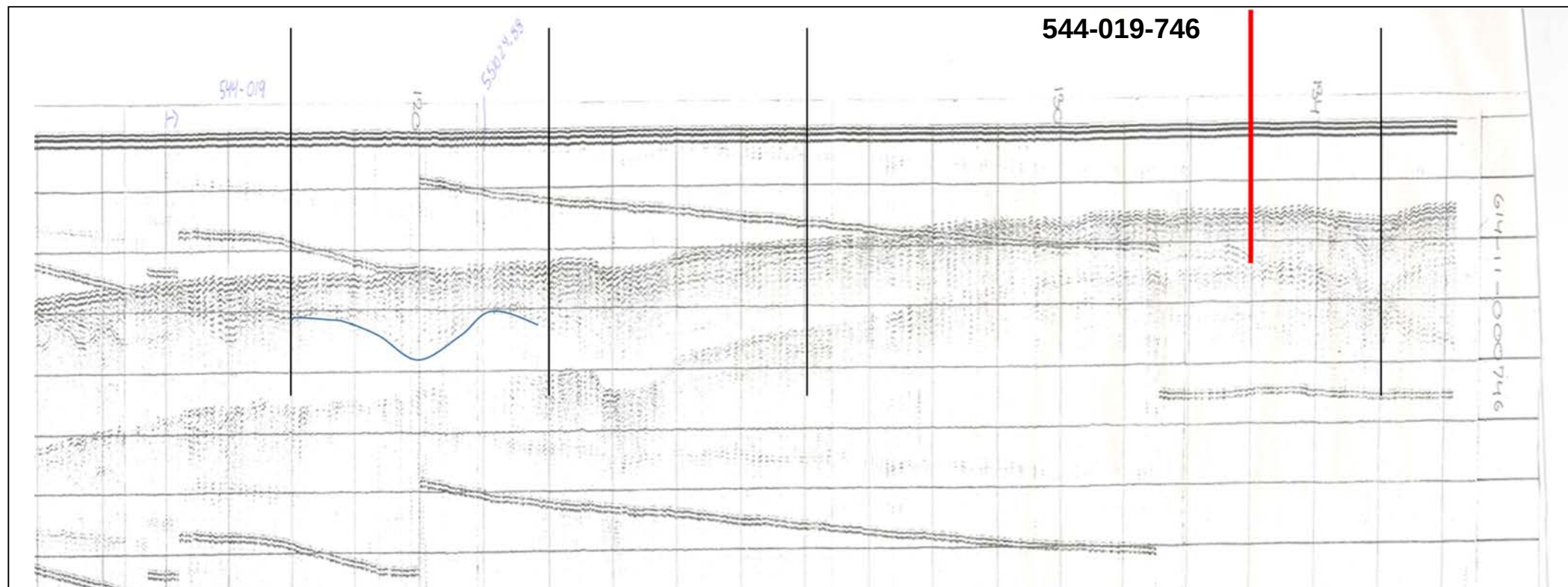
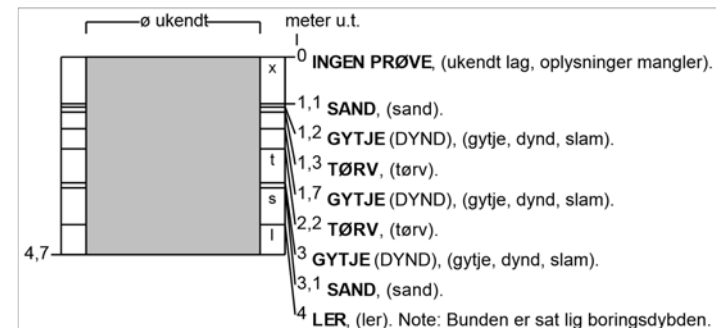
544-019

Generel info:
intet

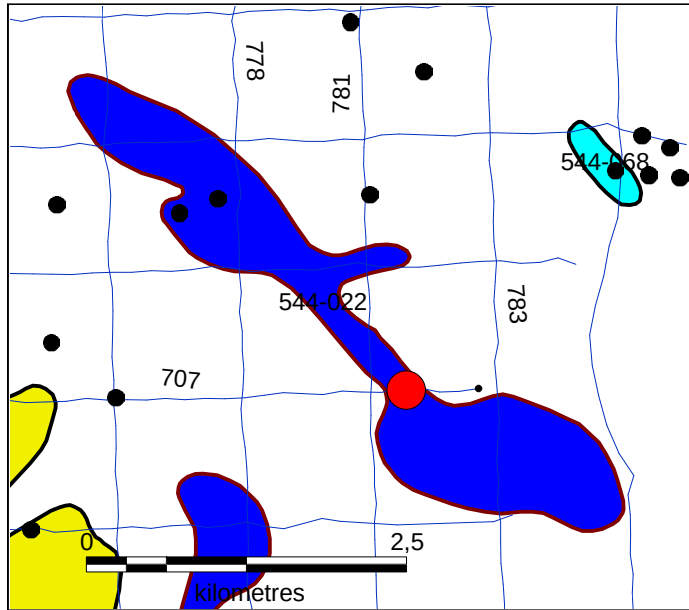
Pos. boring (UTM32 ED50):
544-019-01:
616.808, 6.131.508 vanddybde 7,2m



551024.88

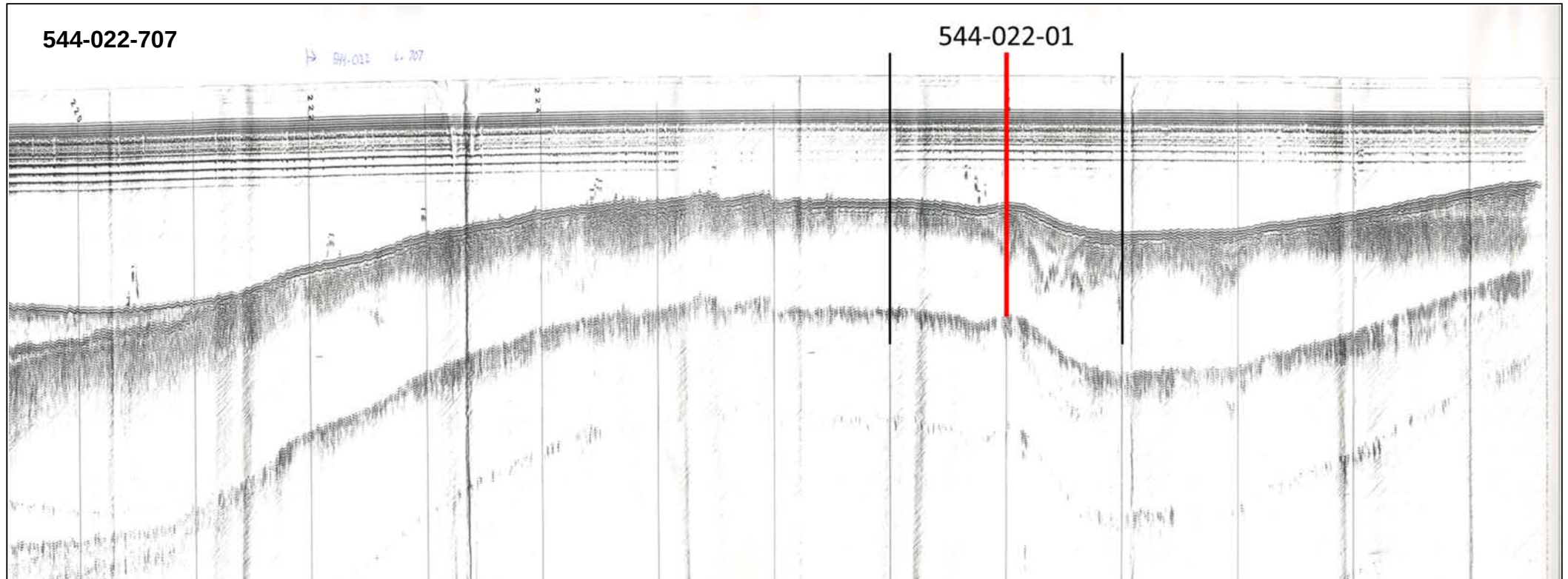


544-022

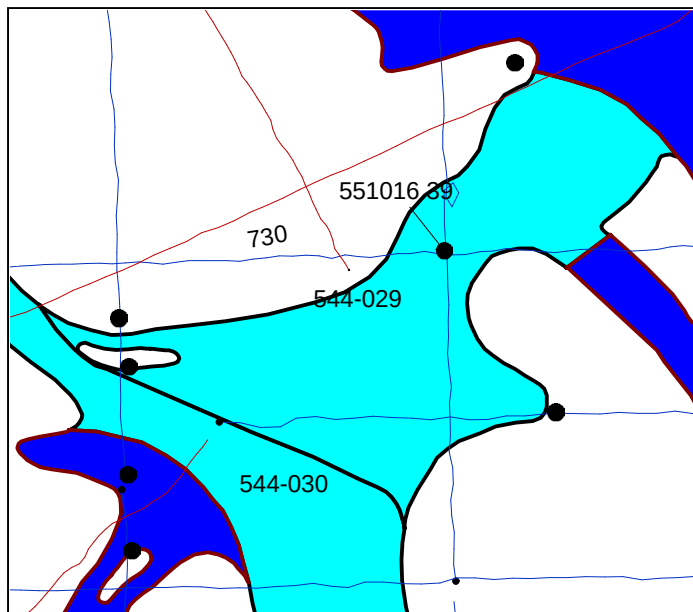


General info:
sand

Pos. boring:
544-022-01: vanddybde 6,8 UTM32 636756, 6143666

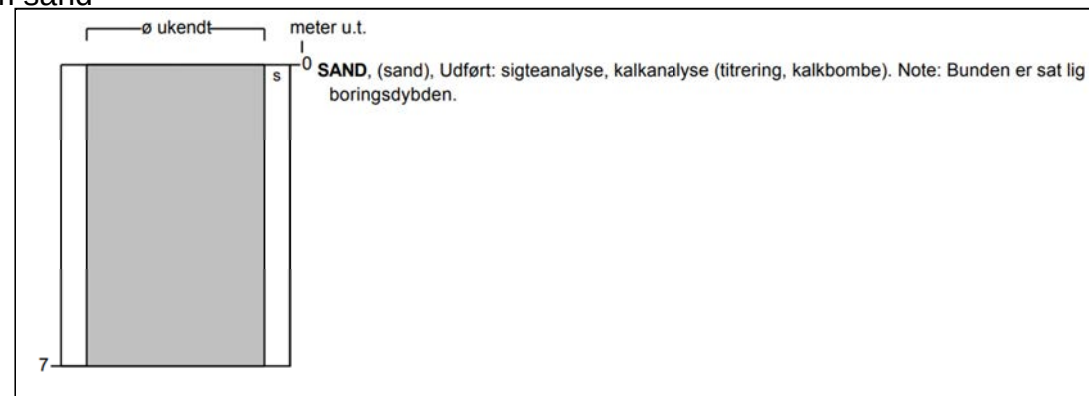


544-029

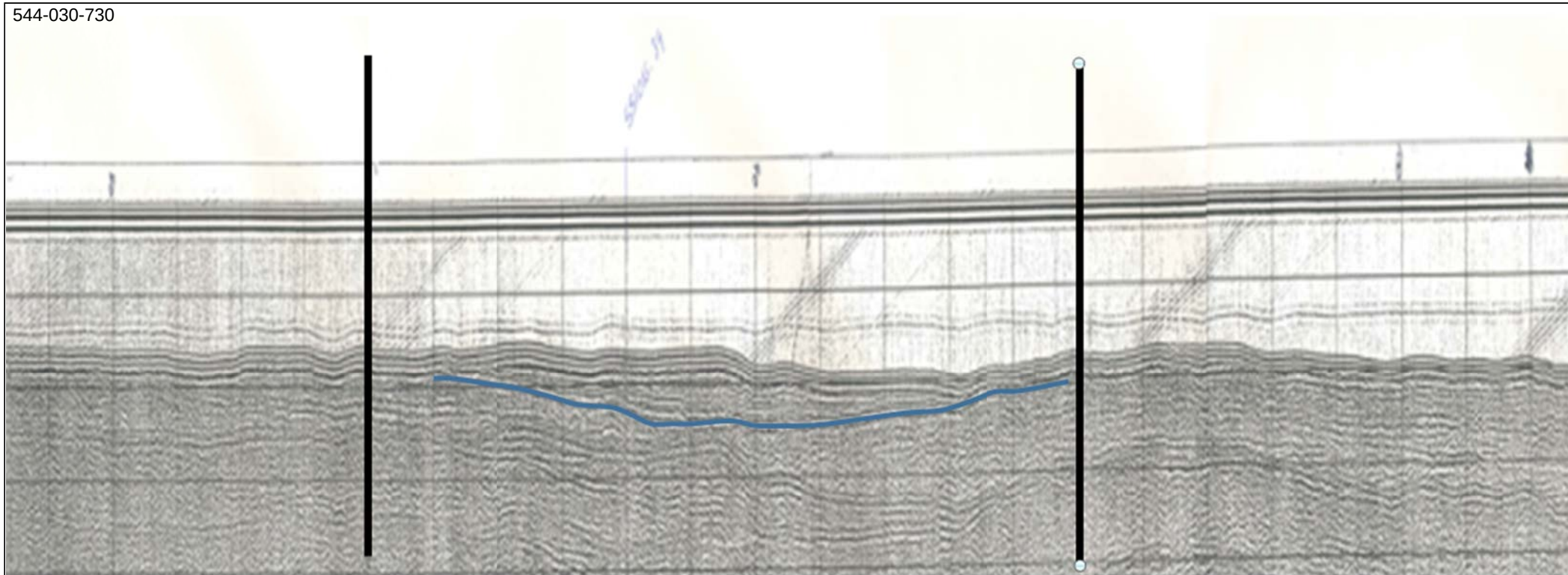


Generel info:
grus
vanddybde: 9-16m

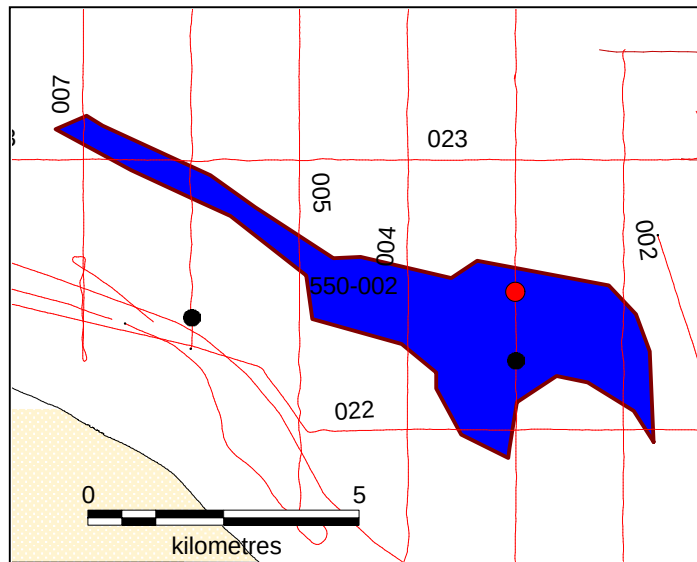
Eksisterende boring:
551016.39 viser 7m sand



544-030-730



550-002



Generel info:

Forsættelse af smeltevandssand-ressourcen 550-GA mod nordvest, 550002. Dækket af et tykkere dynddække, og ikke praktisk indvindelig. Det formodes også, at tynde ukonsoliderede flydemoræner dækker visse dele af af forekomsten.

Eksisterende boringer:

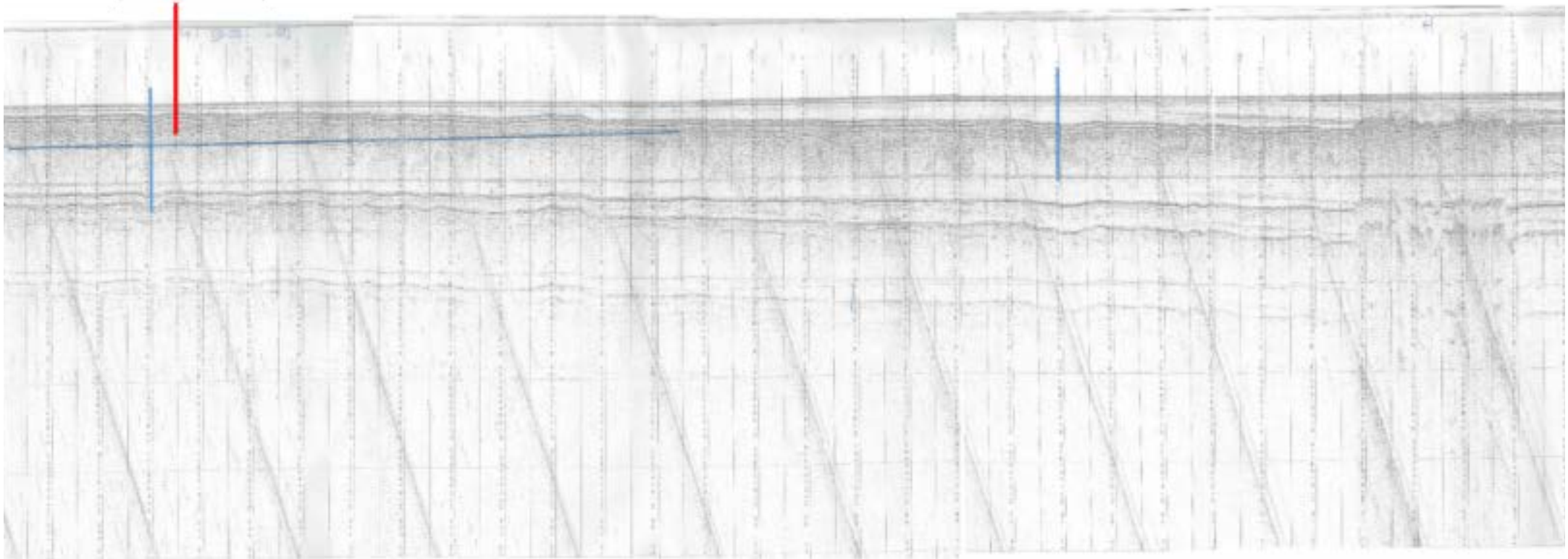
551015.16 viser ingenting

Pos. boringer (WGS84): 595910,57 , 6164349,66

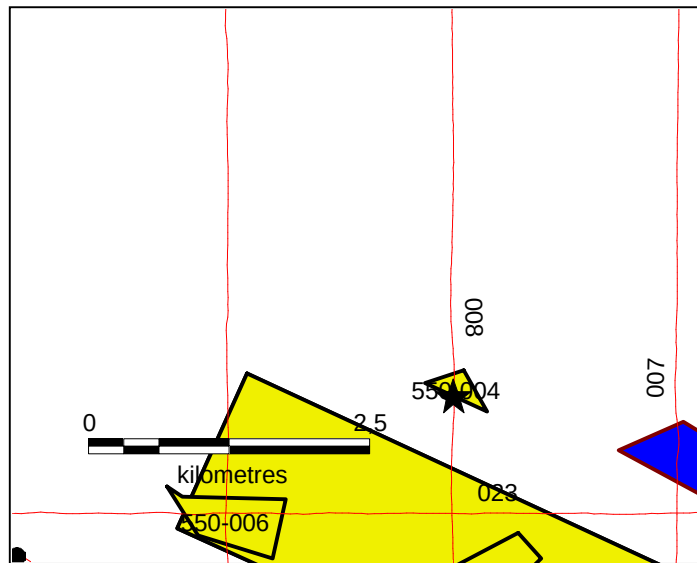
550-002-01: vanddybde 17,1m

550-002-1

550-002-002



550-004



Generel info:

Forsættelse af smeltevandssand-ressourcen 550-GA mod nordvest, 550002. Dækket af et tykkere dynddække, og ikke praktisk indvindelig. Det formodes også, at tynde ukonsoliderede flydemoræner dækker visse dele af af forekomsten.

Eksisterende borer:

Pos. borer (ED50 32):

550-004-01: 586008, 6168051 vanddybde ca 20m

550-004-008

550-004-1

