



5400000 mN
5390000
5380000
5370000
5360000
5350000 mN

5 800000

570000

6 00000

6 10000

6 20000

| AH | STREAM SEDIMENT | | | | | | | | | | | | | |
|-----|-----------------|----|----|---|----|----|----|----|----|----|----|----|----|----|
| | Cu | Pb | Zn | B | Ni | Ba | Sb | As | Sn | W | Ag | Au | Hg | Mn |
| 520 | 24 | 12 | 42 | x | 24 | - | - | 6 | x | x | - | - | - | x |
| 521 | 12 | 10 | 40 | x | 28 | - | - | 6 | 6 | 2 | - | - | - | x |
| 522 | 20 | 10 | 48 | x | 24 | - | - | 5 | 8 | 2 | - | - | - | x |
| 527 | 28 | 10 | 44 | x | 34 | - | - | 9 | 6 | x | - | - | - | x |
| 529 | 12 | 10 | 42 | x | 20 | - | - | 5 | 4 | 10 | - | - | - | x |
| 570 | 6 | 6 | 10 | x | 10 | - | - | 6 | 4 | 30 | - | - | - | x |
| 571 | 12 | 12 | 32 | x | 24 | - | - | 7 | 4 | x | - | - | - | x |
| 574 | 14 | 8 | 24 | x | 24 | - | - | 2 | 6 | x | - | - | - | x |
| 578 | 12 | 16 | 44 | x | 24 | - | - | 2 | 6 | 15 | - | - | - | x |
| 579 | 8 | 6 | 24 | x | 20 | - | - | x | 8 | x | - | - | - | x |
| 580 | 8 | 6 | 24 | x | 20 | - | - | x | 8 | x | - | - | - | x |



- 0-1
- 0.1-0.2
- 0.2-0.5
- 0.5-1.0
- 1.0-5.0
- 5.0-10.0
- 10-50
- 50-100
- 100-500
- 500-1000
- >1000

| | |
|-----------------|-------------|
| FORESTER | GEORGES BAY |
| 8415 | 8515 |
| ST PAULS | BREAK O'DAY |
| 8414 | 8514 |
| LITTLE SWANPORT | FOURMOUNT |
| 8413 | 8513 |



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BREAK O'DAY

8514

| | |
|-------|--------------|
| SCALE | 1:100,000 |
| DRAWN | P.D.E. |
| DATE | 7-85 12/1/85 |

BREAK O'DAY

1:100,000

929048

Panned Concentrates

Panned Concentrates

BREAK O'DAY



5 80000

570000

600000

630000

660000

540000

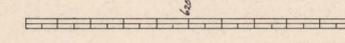
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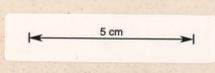
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Sn } XRF
 W }
 As }
 Sb } FAS
 Au }
 Cu }
 Pb }
 Zn } AAS
 Ni }
 Bi }
 Ag }
 Mo }

| | |
|----------------|-----------|
| FORESTER | ADAMS |
| BW15 | BS15 |
| ST PAULS | DA1 |
| BW14 | BS14 |
| LITTLE SWANLEY | REYKJAVIK |
| BW13 | BS13 |



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BREAK O'DAY

SCALE _____
 DRAWN _____
 DATE _____

8514

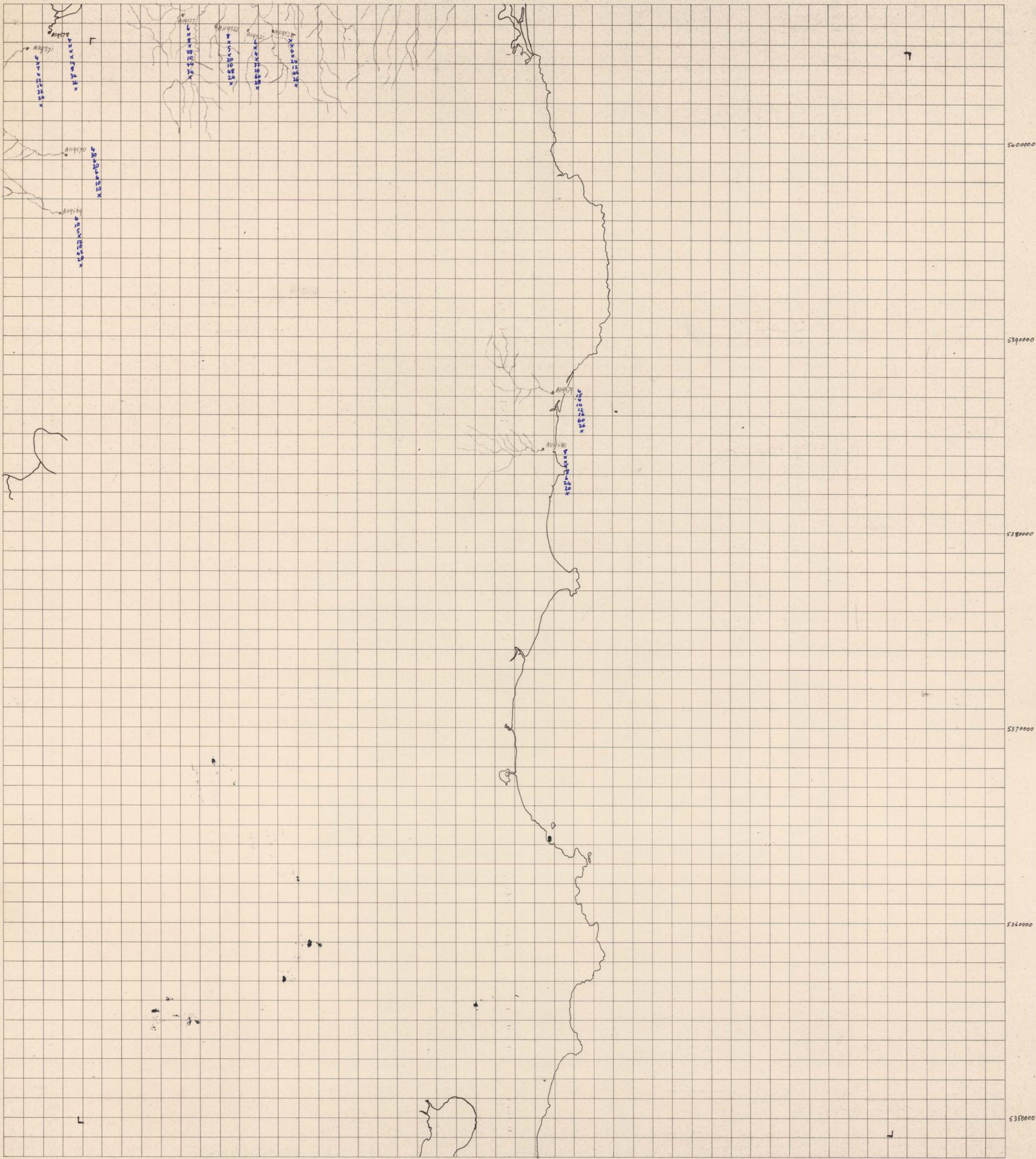
BREAK
O'DAY

1:100,000 929049

STREAM
SEDIMENT.

Stream Sediment

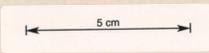
Break O Day



Sn } XRF -20+80#
 W }
 As }
 Mo }
 Cu } AAS -80#
 Pb }
 Zn }
 Ni }
 Bi }

| | |
|----------|---------|
| FORESTER | 462045 |
| 9415 | 8515 |
| ST | 8088 |
| PAULS | 807 |
| 9416 | 8516 |
| LITTLE | 8074047 |
| SWAMPY | 8513 |

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BREAK O DAY
 95/4
 SCALE
 DRAWN
 DATE



| SAMPLE NO. | STREAM | | | | | | | | | | SEDIMENT | | | | | | | | | | | | |
|------------|--------|----|----|---|----|----|----|----|----|----|----------|----|----|----|----|----|----|----|---|----|----|----|----|
| | Cu | Pb | Zn | B | Ni | Ra | Sb | As | Sn | W | Ag | Au | Hg | Mn | Ra | Sb | As | Sn | W | Ag | Au | Hg | Mn |
| 511 | 24 | 12 | 46 | X | 26 | - | - | 6 | X | X | - | - | X | X | - | - | 6 | X | X | - | - | X | X |
| 525 | 20 | 10 | 68 | X | 26 | - | - | 5 | 8 | X | - | - | - | X | - | - | 8 | X | X | - | - | - | X |
| 527 | 28 | 10 | 84 | X | 34 | - | - | 8 | 6 | X | - | - | - | X | - | - | 8 | X | X | - | - | - | X |
| 549 | 12 | 10 | 82 | X | 26 | - | - | 5 | 6 | 10 | - | - | - | X | - | - | 8 | X | X | - | - | - | X |
| 576 | 6 | 6 | 10 | X | 10 | - | - | 6 | 8 | 10 | - | - | - | X | - | - | 6 | X | X | - | - | - | X |
| 571 | 12 | 12 | 81 | X | 26 | - | - | 7 | 4 | X | - | - | - | X | - | - | 6 | X | X | - | - | - | X |
| 578 | 14 | 8 | 26 | X | 26 | - | - | X | 6 | X | - | - | - | X | - | - | 6 | X | X | - | - | - | X |
| 579 | 12 | 16 | 64 | X | 26 | - | - | X | 6 | 15 | - | - | - | X | - | - | 6 | X | X | - | - | - | X |
| 580 | 8 | 6 | 26 | X | 26 | - | - | X | 8 | X | - | - | - | X | - | - | 8 | X | X | - | - | - | X |



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Bulk GWP
0.1 Au
40 Cu
2 Ag

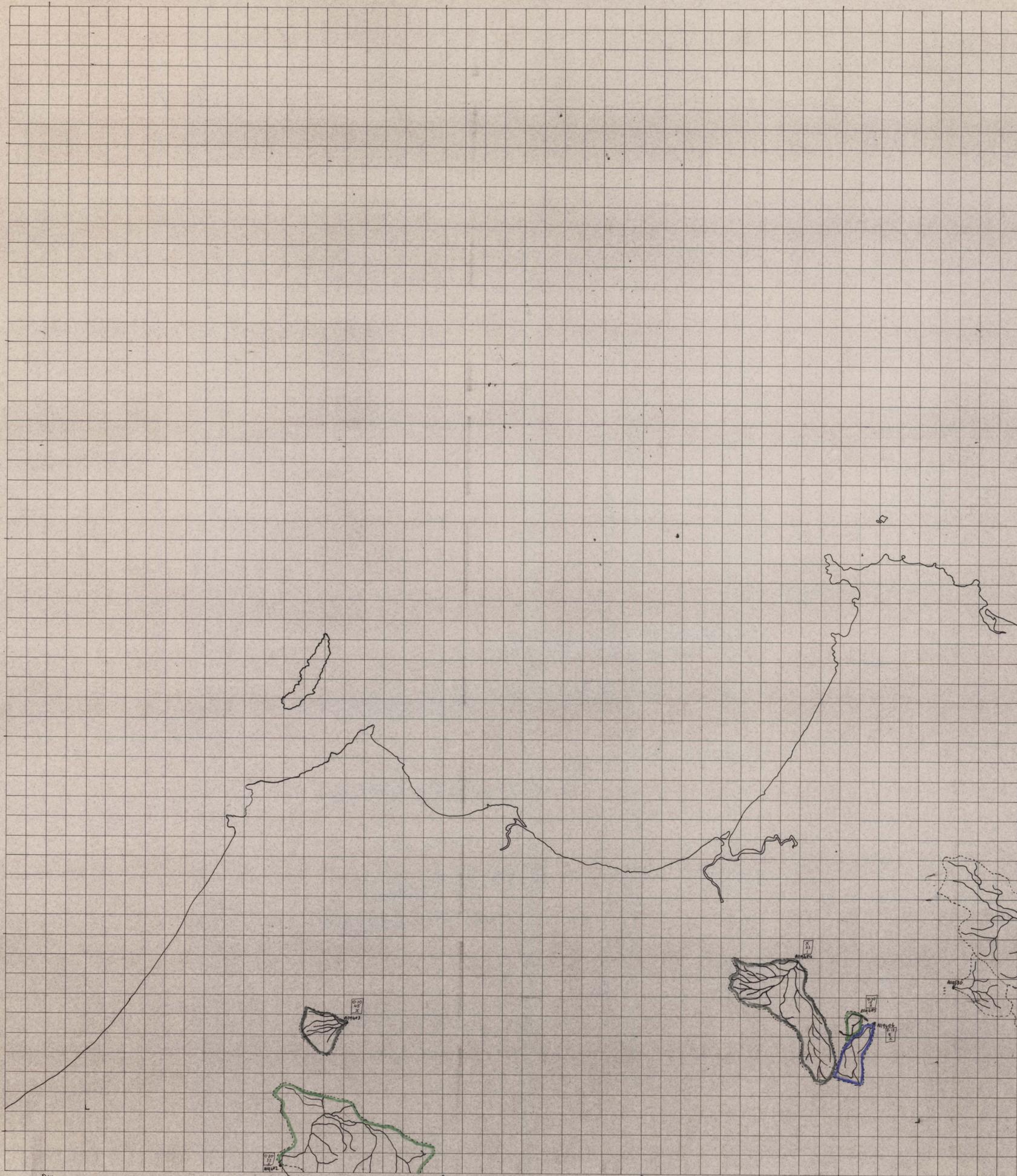
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BREAK O'DAY

8514

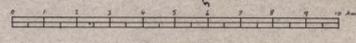
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|-------|--------------|
| SCALE | 1:100 000 |
| DRAWN | P.D.E. |
| DATE | 7-85 12/9/85 |

| | |
|--------------|------|
| FORESTER BAY | 8515 |
| ST PAULS BAY | 8516 |
| LITTLE SWAMP | 8517 |



STREAM SEDIMENT

| | Cu | Pb | Zn | Bi | Ni | Ba | SS | As | Sm | W | Ag | Au | Mo | Hg |
|--------|-----|----|----|----|----|----|----|----|----|---|----|----|----|----|
| 419402 | 18 | 6 | 20 | X | 16 | - | 2 | 1 | 20 | - | - | 16 | - | - |
| 4203 | 14 | 10 | 28 | X | 24 | - | 3 | 4 | 45 | - | - | 4 | - | - |
| 426 | 130 | 12 | 24 | X | 28 | - | 2 | 6 | 35 | - | - | 18 | - | - |
| 447 | 28 | 16 | 26 | X | 4 | - | 2 | 9 | 50 | - | - | 4 | - | - |
| 448 | 43 | 40 | 24 | X | 10 | - | 2 | 8 | 20 | - | - | 16 | - | - |
| 530 | 14 | 10 | 44 | X | 20 | - | 3 | X | X | - | - | 4 | - | - |



- < 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 5.0
- 5.0 - 10
- 10 - 50
- 50 - 100
- 100 - 500
- 500 - 1000
- > 1000

| GRID | LABY |
|------|------|
| 4200 | 4000 |
| 4210 | 4010 |
| 4220 | 4020 |
| 4230 | 4030 |
| 4240 | 4040 |
| 4250 | 4050 |
| 4260 | 4060 |
| 4270 | 4070 |
| 4280 | 4080 |
| 4290 | 4090 |
| 4300 | 4100 |

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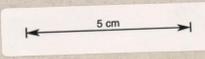
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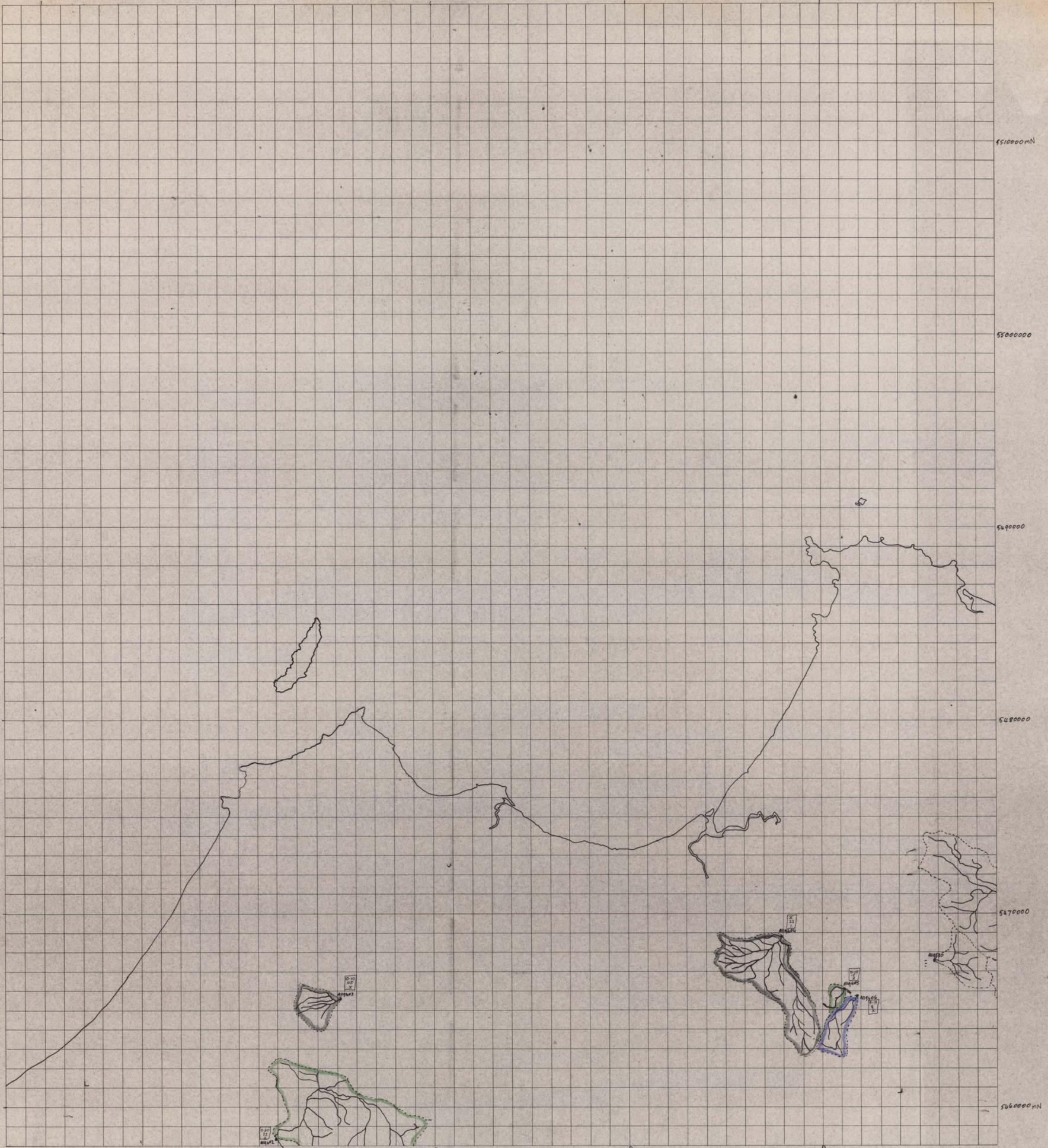
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CAPE PORTLAND

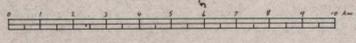
84/16

SCALE 1:100000
 DRAWN P.D.E.
 DATE 7-85 4/5/85





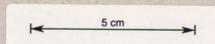
| STREAM SEDIMENT | |
|-----------------|---------------|
| Site | Concentration |
| 100 | 28 |
| 101 | 20 |
| 102 | 28 |
| 103 | 22 |
| 104 | 16 |
| 105 | 42 |
| 106 | 16 |



- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1.0
- 1.0 - 5.0
- 5.0 - 10
- 10 - 50
- 50 - 100
- 100 - 500
- 500 - 1000
- > 1000

| | |
|------|------|
| EL10 | EL11 |
| EL12 | EL13 |
| EL14 | EL15 |
| EL16 | EL17 |
| EL18 | EL19 |
| EL20 | EL21 |
| EL22 | EL23 |
| EL24 | EL25 |

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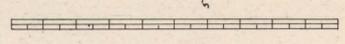
CAPE PORTLAND

84/6

| | |
|-------|-----------|
| SCALE | 1:100,000 |
| DRAWN | P.D.E. |
| DATE | 7-85 |

929054

Stream Sediments CAPE PORTLAND



Sn } xRF -20+800
 W }
 As }
 Mo }
 Cu } AAS -800
 Pb }
 Zn }
 Ni }
 Bi }

| | |
|---------------|-------------|
| CAPE PORTLAND | LADY BARKER |
| 9217 | 9217 |
| CAPE PORTLAND | SHAW |
| 9216 | 9216 |
| CAPE PORTLAND | SHAW |
| 9215 | 9215 |



02_4819

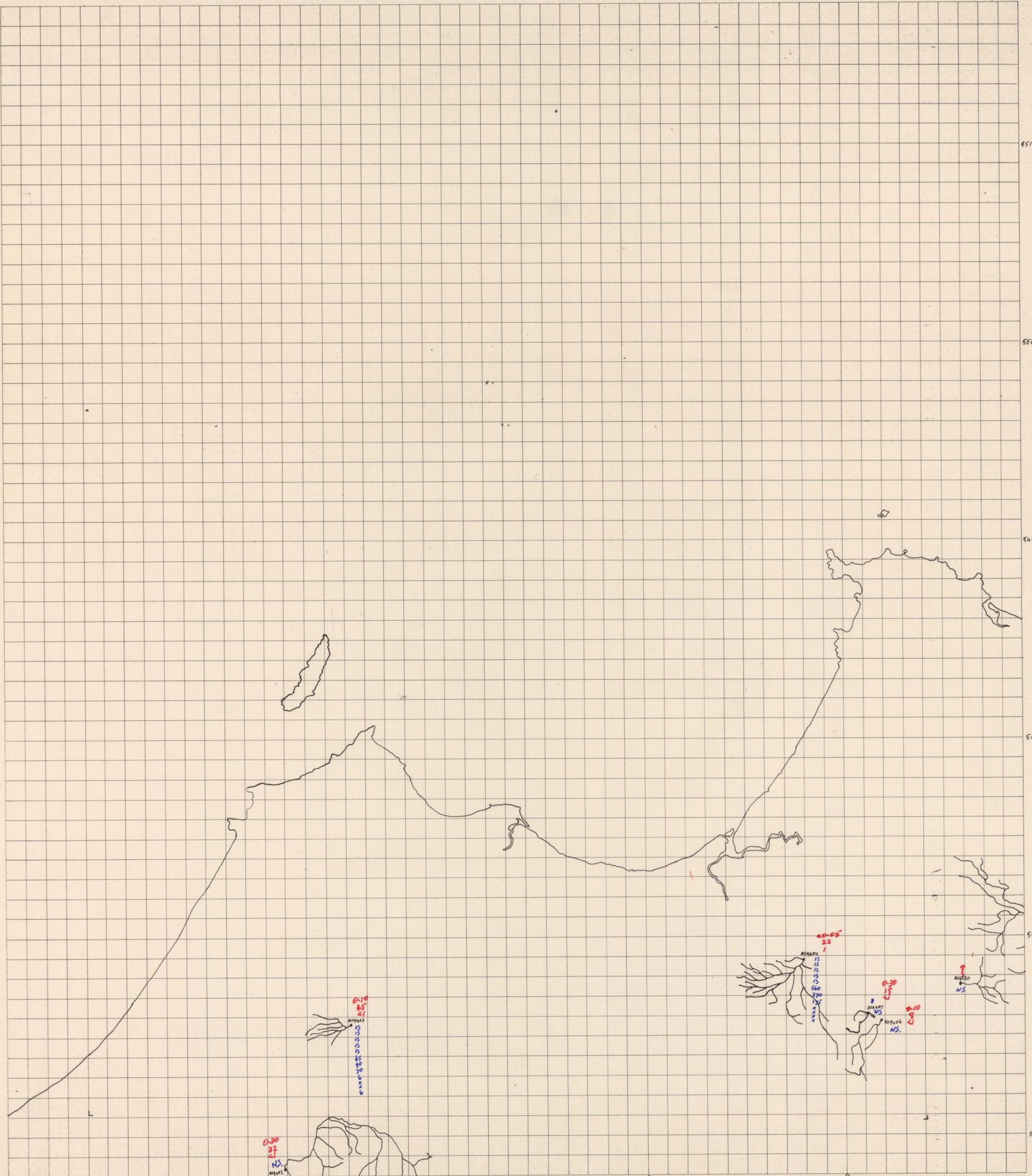
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CAPE PORTLAND

8/16

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| SCALE | |
| DRAWN | |
| DATE | |



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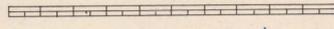
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Ferruginous Gravels
 Sn
 W
 As
 Sb
 Au
 Cu
 Pb
 Zn
 Ni
 Bi
 Ag
 Mo

Bulk Gold
 Au
 Cu
 Ag

| | |
|------|--------|
| 5460 | LADY |
| 5470 | BARRON |
| 5477 | 5517 |
| 5478 | 5518 |
| 5479 | 5519 |
| 5480 | 5520 |
| 5481 | 5521 |
| 5482 | 5522 |
| 5483 | 5523 |
| 5484 | 5524 |
| 5485 | 5525 |
| 5486 | 5526 |
| 5487 | 5527 |
| 5488 | 5528 |
| 5489 | 5529 |
| 5490 | 5530 |
| 5491 | 5531 |
| 5492 | 5532 |
| 5493 | 5533 |
| 5494 | 5534 |
| 5495 | 5535 |
| 5496 | 5536 |
| 5497 | 5537 |
| 5498 | 5538 |
| 5499 | 5539 |
| 5500 | 5540 |

5 cm

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84/16

| | |
|-------|--|
| SCALE | |
| DRAWN | |
| DATE | |

929056

CAPE PORTLAND 1:100 000 SAMPLES

CAPE PORTLAND



| Aliquots | STREAM SEDIMENT | | | | | | | | | | | | | |
|----------|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | Cu | Pb | Zn | Bi | Ni | Ba | Sb | As | Sn | W | Ag | Au | Mn | Hg |
| 18 | 6 | 20 | X | 14 | - | - | - | 2 | 6 | 20 | - | - | 16 | - |
| 402 | 66 | 70 | X | 20 | - | - | - | 3 | 6 | 45 | - | - | 6 | - |
| 404 | 100 | 12 | X | 28 | - | - | - | 2 | 6 | 35 | - | - | 18 | - |
| 405 | 28 | 14 | X | 16 | - | - | - | 2 | 9 | 50 | - | - | 16 | - |
| 406 | 42 | 10 | X | 10 | - | - | - | 2 | 8 | 20 | - | - | 16 | - |
| 410 | 14 | 10 | X | 20 | - | - | - | 3 | X | X | - | - | 8 | - |



| | | | |
|------|---------------|------|------|
| 5400 | LADY ISLAND | 5417 | 5417 |
| 5410 | CAPE PORTLAND | 5410 | 5410 |
| 5415 | CAPE PORTLAND | 5415 | 5415 |
| 5420 | CAPE PORTLAND | 5420 | 5420 |



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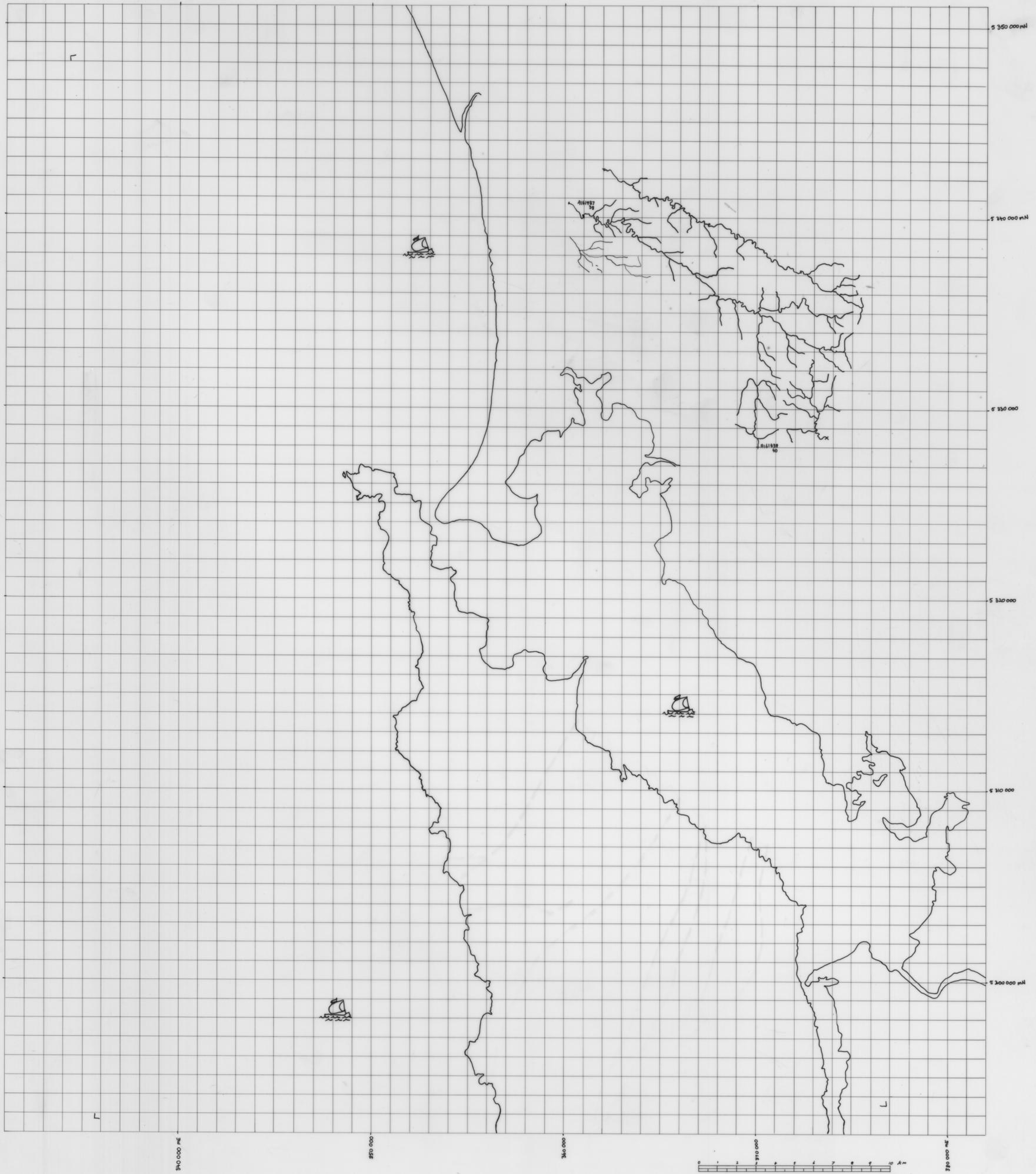
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CAPE PORTLAND

8216

SCALE 1:100000
DRAWN P.D.E.
DATE 7-85 4/1/85

929057



| | |
|------|-------|
| 7912 | 5071A |
| 7913 | 5071B |
| 7914 | 5071C |
| 7915 | 5071D |
| 7916 | 5071E |

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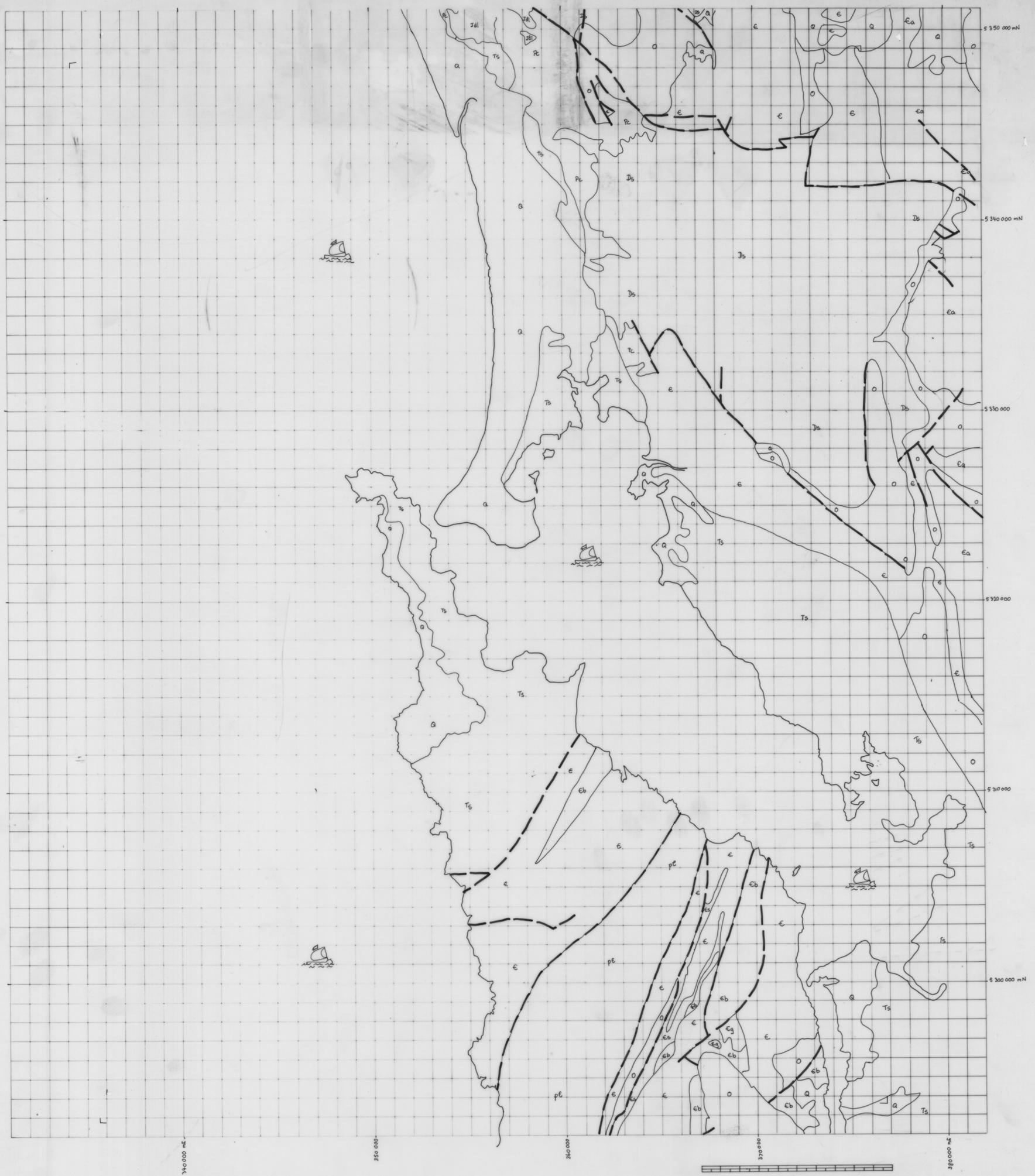
CAPE SORRELL

7913

| | |
|-------------------|--------|
| SCALE 1:100 000 | |
| DRAWN B.D. P.B.C. | |
| DATE 1/86 | 2/1/86 |

929058

CAPE SORELL 1:100 000 GEOLOGY



KEY

- Q** Quaternary Alluvium sand, gravel and talus. Till, fluvio-glacial, periglacial and associated deposits.
- Ts** Tertiary Non-marine sequences; marine limestone.
- Pc** Triassic Permian U-carboniferous Fluvio-lacustrine sequences of sandstone, mudstone with carbonaceous sequences. Fresh water sequence with some coal measures. Upper glacio-marine sequence of pebbly mudstone, pebbly sandstone and limestone. Lower glacio-marine sequence of pebbly mudstone, pebbly sandstone, minor limestone. Tournaisian oil shale and basal tillite.
- Jd1** Jurassic Dolerite and related rock types.
- E** Cambrian
 - Eg - Granitic rocks.
 - Es - Serpentine, peridotite and associated rocks.
 - Ea - Acid with intermediate volcanic and associated rocks.
 - Eb - Basic-intermediate volcanic and associated rocks.
- pE** pre-Cambrian comparatively unmetamorphosed sequences. Mudstone-sandstone sequences.
- Igneous Rocks**
- Ds** Devonian-Silurian Some quartz sandstone sequences and siltstone-shale sequences. Devonian limestone-siltstone.
- O** Ordovician Limestone sequence with siltstone in some areas. Siliceous terrestrial conglomerate, marine quartz sandstone and siltstone.
- E** Cambrian Middle upper Cambrian fossiliferous usually greywacke turbidite sequences; horizon with fossiliferous upper Cambrian shallow water deposits; probably Cambrian unfossiliferous usually greywacke turbidite sequences; probably Cambrian unfossiliferous orthoquartzite sequence.

340 000 mE

350 000

360 000

370 000

380 000 mE

| | |
|------------------------|------------------|
| DIEMIN 7914 | SOPHA 9014 |
| CAPE SORELL 7915 | FRANKLIN 8013 |
| 9980 7912 | 016A 802 |



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SCALE 1:100 000
DRAWN S.D.
DATE 1-86



KEY

Quaternary
 Qa - Alluvium - dominantly sandy loam, derived with associated soil from tephritic basaltic and other with beach lag, river terrace gravel deposits, man made deposits at Circular Head.
 Qs - Older alluvial beach and dune sand.
 Es - Windblown sand of predominantly coastal plain with terrace, lute and swamp margins.

Cambrian
 Es - Interbedded siltstone, mudstone, greywacke, minor tuff and basic volcanic breccia, matrix with rounded clasts of basic igneous and other rock types, amygdaloidal siltite commonly with pillow.

Precambrian
 P - Smithton Volcanic of quartz and dolomite.
 P1 - General Cambrian and Quartzite.
 P2 - Predominantly white micaceous quartzite and a basal quartz conglomerate.
 P3 - Turbidity flow.
 P4 - Siltstone of black mudstone with rare siltstone horizons.
 P5 - Volcanic Quartzite of cross bedded orthoquartzite with siltstone horizons.
 P6 - Coarse siltstone of dominantly fluid laminated siltstone with sequences of laminated quartzite.

igneous Rocks
 T - Basalt, rare coarse grained andesite bearing basalt.
 Esp - Amygdaloidal siltite commonly with pillow.

Precambrian
 P - Conspicuously unmetamorphosed sequences. Mudstone - sandstone sequences, mudstone, orthoquartzite, quartzite, horizontal, acoustically, conglomerate, dolomite (P4).
 P5 - Metamorphic rocks. Pelitic sequences, metaquartzite sequences with some plucky quartzite units.

— Fault



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| | | |
|-----------|--|--|
| THURSDAY | | |
| WEDNESDAY | | |
| TUESDAY | | |
| MONDAY | | |
| SUNDAY | | |
| SATURDAY | | |

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CIRCULAR HEAD

7916

SCALE 1:100 000
 DRAWN R.D.
 DATE 7-85