

Printed 16/6/2014.

Alan Clarke's Field Notebooks

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(Only pages with notes are numbered)

None of these
have been scanned.

get


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2. 1995-1996 (06-11-1995/²¹⁻¹¹⁻¹⁹⁹⁶20-02-1996)*
3. 1995-1996 (08-11-1996/11-03-1996)*
4. 1996 (12-04-1996/21-11-1996)*
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*Alan to worked out the pages' order.

29/3/00 - 17/4/00



(1)

red oil
cyan
near
tomato paste

Allen Gregory BULLOCKS
ADDRESS SURVEYS
PHONE

(2)

555 receive 10m GPS aw.

Two way communication

1999 33 in 15 days

February 37

17 days

Shoe sizes

Procedures

ring Athina before entry
ring Barisic Hebanley

Die Bred again

work in NPL's

Camping / Hotel

Digital level 2x staff.

EDM for distance measurement.

Map preparation

BM's to Bulllocks SMALL DATUMS?

Get as many as possible
remains for work

(3)

25th April angus day.
Start 7.40 Trip

Office 9450

MONDAY 3/4 7.30 Bromdale
Park Albany HWY
CANN'S ~~KARROON~~ RD

opposite Pioneer village

tech angus no gauge
BM on base of lake

Bathymetry DON V photogram.

workers

Thurs 8 hours

(4)

✓

START 9.50am

5

Varse February 29/3/2000

F(5) from middle Pt.

~~BWS 7~~

~~RCP 7~~

~~Greenbank 1~~

E 527 (717)

420 BWS 30+3+3+18+190+16+20

Greenbank 2+1

(142)

8+12RCP 10+1+3+12+15+11+12+5+15

Trail 1 14 (515) 646 4 B

10.0-10.15
10.15-10.24

RNS 3+3+2+1+1+6+18+130+1+6

10.50am Varse case depth 0.24

~~London sandgrain 2+26+2~~

157

86

(94)

TX 4+12

5 mis reads

B

20V+10

+10

8+4+2 RCP 3+5+8

BOST 2

64+6+25 RNS 46+8+8

13

BWS 20+20

greenbank 1

greenbank 1

180+15 HT-34

(403)

200 m parse

finished as 1 data logger

data were dry

Good RD
BFP 5

(7)

Worming Use 30/3

9.15 plate

5(E)

~~RCP 15+16 38+32+4~~

~~RNS 1+4+80+7+7~~ (100)

~~grassland 5~~

~~BW2 54+33~~ (87)

~~wood 12~~

5(C)

~~RNS 30+30+20+8~~ (88)

~~RCP 6+8+10+8~~ (32)

~~BWS 4~~

Worming use

11.05 was 0.35

5 (W)

~~RCP 4~~

~~BWS 10+10~~

~~grassland 4+1~~

~~bar-tailed Godwin 2~~

~~grey plover 1~~

(8)

9

I
 BWS 5+4+2
 greenbank 2+2
 BGP 2+5
~~isomeric compounds~~

10

30/3/2000 Dead water ponding
12.25 #1

0.1 28.8% 22.9°C
0.2 28.8
0.4 28.7
0.6 "
0.8 "
1.0 "
1.2 "
1.4 28.6% 21.9°C

#2 0.1 28.7% 22.7°C
0.2 "
0.4 "
0.6 "
0.8 28.7% 22.5°C

(11)

DEAD WATER #3 30/3/00
 0.1 28.6‰ 23.2°C
 0.2
 0.4
 0.6
 0.8 28.6‰
 1.6 28.6‰ 23.0°C

#4
 0.1 28.9‰ 23.0°C
 0.2 "
 0.4 "
 0.6 "
 0.8 "
 1.0 28.9
 1.2 28.6
 1.3 28.7‰ 22.5°C

(12)

30/3/00 #5 DEADWATER 22.8°C
 0.1 29.7‰
 0.2 29.7
 0.6 29.7
 0.8 29.7
 1.0 29.7
 1.1 29.8‰ 22.0°C

#6 ~~29.8~~ 22.8°C
 0.1 29.8‰
 0.2 30.2
 0.4 30.2
 0.6 30.2
 0.8 30.2
 1.0 30.2
 1.2 30.2
 1.4 30.2
 1.5 30.3‰ 21.9°C

0.6

0.2

DEAD WATER

(13)

#7

30/3/2000
23.0°C

0.1 30.1 ‰

0.2 "

0.4 "

0.6 "

0.8 "

1.0 "

1.2 30.3

1.4 30.4 ‰

22.7°C

DEAD WATER

0.1 30.1

0.2 "

0.4 "

0.6 "

0.8 "

1.0 "

1.2 30.3

1.4 30.4 ‰

22.7

14

1340 hrs

Worming up for 30/3/2000
36% standard = 28.2% TPS

#1

0.1	29.1%	23.7°C
0.2	28.7	23.4°C
0.4	28.7	
0.6	28.7	
0.8	28.8%	22.3°C

#2

0.1	30.7%	24.6°C
0.2	30.7	
0.4	30.7	24.4°C
0.6	30.7%	

#3

0.1	33.0%	25.0°C
0.2	33.0%	
0.4	33.0%	
0.5	33.0%	25.0°C

WONNIGRUP ISS.

#4

0.1	32.5%	24.3°C
0.2	32.5	
0.3	32.45%	24.3°C

#5

0.1	31.5%	1455 ^h hr	25.0°C
0.2	31.5%		
0.4	31.5%		25.0°C

36% standard = 27.5 pp.R ^{TPS}

phil 93021911

phil

Bernie Halenby
90713683

wednesday

King Allen Gregory

King See regarding funds
back from districts etc.

SALE ~~Robert~~ 97568260

0412553895

Anthony Sutton

9354

9397544331

Ballance RD

ROBIN POOLE

(17)

[Faint blue ink scribbles and illegible text]

(18)

~~WTW calibrated to 1413 μ S/cm~~

WTW TPS
~~#1~~
~~#2~~

WTW TPS
34.5% #1 dead water
34.7% #1 warm up est. 30.1%
37.6% #5 warm up est. 34.5%
35.8% dead water #7 31.5%

20%
20.0%
19.7
21.1%

(19)

USING
↓

see Geotech to determine
calibration techniques.

GEOTECH WTW SAL. METR

31/3/00

VALE

11.15_{am}

#1

20.2°C

0.1 34.9‰

0.2 34.9‰

0.4 4

0.6 4

0.8 "

1.0 "

Bottom 1.2 34.9‰

20.0°C

#2

21.5°C

0.1 37.0‰

0.2 37.0

0.3 37.0‰

Bottom

21.5°C

#3

20.6°C

0.1 39.6‰

0.2 39.6‰

0.4 39.7‰

Bottom

20.6°C

0.5 40.6‰

Bottom

20.6°C

21

3/3/00 #4 Varr ex
 0.1 43.9% 23.4°C
 bottom 0.2 43.9% 23.4°C

#5
 0.1 47.5% 24.2°C
 bottom 0.2 47.5%

#6
 0.1 56.4% 23.6°C
 bottom 0.15 56.4% 23.6°C

#7
 0.1 60.0% 24.2°C
 bottom 0.12 60.0% 24.2°C

(22)

3/13/00

#10 Ford RD

0.1 0.1%₀₀ 24.3°C

0.2 "

0.4 0.1%₀₀ 24.3°C

WTW may not be sensitive enough
Spinich 1-4-5 check with
Cognator.

CHRIS RIDLEY
TRANSPORT

(23)

$Im = 0.982$

Calm datum was leaning over
near tree possibly root
lifting datum

gauge board may also
have dropped in the mud
bank

(24)

3/4/00
depart Currambine 6.45 am

Arrived at 7.30 am

meet Allan Gregory 7.40

Jack up de Williams BP
travel to Townsley Lake

replace 1m gauge
travel to Wild Horse.

north access not possible
south access used.

Calm datum and gauge in good
condition.

Dola Bin installed and levelled

The gauges and datum (Calm)
swathed in foam locked gate.
has level 1.30-2.00

travel to Napitchup

3/4/00

Nipitcheep

installed Dola BM and
one gauge deeper point 10m
in from lake edge, centre of lake
is high, very shallow lake
may not have water regularly

Just 4.40 pm travelled to
Ongoyu. Wawaan park
(arrived 6.30 pm)
and 8.00 to Allan Gregory.
*meal in Roadhouse.
Camped

4/4/00

start 7.20am

Travel to Gwonggump
Lahn datum good

Lahn gauge - post good plate readable!
gauge - 1mm from datum

AHD height brought in from existing
Dale BM to new BM

Travelled to Kumbungup.

Lahn datum good, Lahn gauge 1 angle

good gauge unreadable - 1.5mm
from datum

Two gauge board O.K. Thi. or better
1m plate readable, 2m plate (standby)

no point left 1m mark - 4.5mm

Dale BM with RM's installed and
levelled to Lahn datum.

Travel to Gwonggump level up BP

(27)

4/4/00

Travel to Cranbrook 25812
Access via dam near fence head
went to 1st dam head north of
past 3rd dam on the boundary of
- lake.

Level datum next to old tower
which had fallen over. Damage
to datum horizontal and right
though level O.K.

Gauge board O.K. plate 50%
readable 1 m mark = 1.002 to
datum.

Dale BM installed with RM's
and leveled to OOLM datum.
Travel to Camel Lake

4/4/00

Camel lake

Caln datum good cond.

Lab gang board good cond.

" plate faded badly,

Im = 0.9999

Delta BM with RM's installed

access along east → then north →

Access walked in from old

north track.

finish 5:30 pm

(28)

photo's 1
north to high peak
photo 2 SW to lake proper

(29)

5/4/00

Start 7:30

travel to Pillonego

used new track up hill
can't to meet with south track
travelled north to T junction
walked east to half way
along bend of track

walked SW \approx 200m to lake

proper edge

walked 30m west through to
open lake - weathered maladuca

over low rock (juncos)?

depression point 0.39m 50m

from edge of tall boma in
Maladuca Thicket WSW of

entrance through beama.

photo's 4 + 5 - NW to peak.

WSW to Thicket

photo 7 back to lake entrance
east looking

(31)

Date 5/4/00

Height of BM 0.749 m \rightarrow
lake depth

depth gauge SW from lake BM
200 m west

BM 8 m off western wheel rut

691 pass along track from
yellow tape which is on both
sides of the track.

grava p.
93877276

deposit
Bernie's malik

(32)

(33)

lake gauge 5/4/00
access to lake must be cleared
with two purple bay ranger (Miel date
track

lake datum not found. Machinery
had been used over area of
datum. gauge in good cond. ∴
used gauge 1m plate as datum.

2.645 BM lake high
transferred from 1m height from
gauge.

Gardner

access sheds key from ranger
at two purple bay
datum good cond. Both gauges in
reasonable cond.

Gauge 1 3m plate = 3.007

Gauge 2 2m plate = 2.0065

lake BM and 2 BM's
installed

(34)

5/4/00

Gardner Lake

water good 3.00 m

grad. cond. gauge 1 3.007 m

gauge 2 2.0065 m

depth 2.005 m

arrive accommodation 7.15 pm.

35

6/4/00

Depart Day Park Motel ^{am} 7:45
Fuel vehicle

Travel to Albany 26358

gauge 1 good cond. 2.005 m

gauge 2 ~~is~~ just readable 1.005 m

installed Dola BM with RMS
inline and up slope from lake
bottom (good cond.)

White Lake Albany

gauge 1 good cond. 2.009 m

gauge 2 readable 1.020 m

dry

deton slope angle rounded at
base

beams swamp vegetation base. This
on lake floor, may have parked up
gauge 2, gauge 1 wood board base

(36)

Chester Beach.

chaletos non school holiday

\$64.00 night

school Hols. \$75.00

money now very nice

all cards supplied

74

7

448

(37)

6/4/00

in ground.

installed Dola BM with RM's

depth approx 0.300

ALBANY

Travel to 27157 (Keype beach)

data good cond.

gauge 1 good cond. 0.969 m

wood gauge board would be slipping in

gauge 2 good cond. 1.022 m strain?

possible reason for drop

wood board high same as previous

lake with board in beam in deep

vege. layer possibly floating up.

6/4/00

Mutter lake

gauge 1 0.988 on tree - 12m

gauge 2 0.995 gauge good; star iron
rusted.

top of angle line 1.558 gyl

new gauge 1 installed 1m

plastic gauge used. 8m in to
lake from gauge on tree

new gauge 2 installed 1m next to

old gauge 2. S. steel gauge used.

Dela BM and RM's installed

camped in Loga Richie \$5 charge.

Final 6.45-7.00

38

7/4/00

Separate layer Richie 7.45
\$10.05 good Wellstead

good drinking water good ugrics

Grassmangrass (stirring range)
bottom reasonable sand.

gauge / 0.995 wood board
in poor to medium cond. bottom plate
unreadable, Top plate O.K.!

Dola BM installed with RM's
access good.

40

Digger Swamp
level 9.25

7/4/00

surveyed deposit point.
installed angle line and plastic gauge
see access diagram

Dota BM lake height 1.233 m
levelled AHD in from nearest BM
lake height 0.0 m = 71.115 AHD

photos 10, 11, 12 digger swamp

travelling to Sarawungyo
finish 5.00
across motor,

(41)

8/4/00
depart Terremungyo 7.40
across via Dumot Rd

landings lake

used plate on gage to level to ^{datum} ~~chase~~
datum 13_{mm} below gage.

gage read 1.013 m

datum in wet stopper mud.

lake height Data BMT 2.513_m

Data BMT installed 200_m

Arrival at lake 10.35am

Travel to Range RD

used level to find deepest point
which was 1.76 m in the middle of the
lake, depth readings expressed as true
depth.

One depth gage installed 15m
west of force line out in clear

(42)

8/4/00

water (with black colour)
gates and drying materials.
Dala BM with RM's installed
15m A/E to gauge.

lunch 1.30-2.00

travel to East Lake Bridge.

Calcu datum 5m below water

levelled out to gauge 1m mark

1.013 m gauge 1m faded needs

replacing gauge 2m good but edges

wearing. Left gauges at original

height is still 13mm too high

from datum.

Installed Dala ~~BM~~ BM with RM's

lake height 1.675 m

lake depth 0.56 m

travel to Nausdygate Jimik 6.00 pm

43

9/4/06

noon meal at Newington hotel

depart 7.20am for

lake Bidder

lake Jull had to use level

datum O.K. [3]

with depth 1.75m

installed Dola BM with RM's

2m gauge height? ~~1.998~~ 2.001

parallel to 2.001

Lake Allham

datum O.K.

Gauge board (wood) good.

2" plate facing top plate good.

1m mark on gauge = 0.998m

worked in angle line at back of

wood board to secure board

replaced ganges with plastic

(44)

marked 100 ft ✓
15 angle lines
plastic gauges 20
Lake King
Pomunup HF contact

(45)

Altam depth 0.31m 9/4/00
gauges, and resurveyed.
levelled new Dola BM to
existing BM on road east 1.5 Km
Travelled to Kondishin lake.
road cut by water
travelled by boat to detour
area. 1.5 m of water covered
area around datum, no gauges
were visible
cut depth of lake 3.5 m!
Accom. Kondishin Hotel
Finish 6:20 pm

(46)

10/4/00

depart Kundhim 7.30 am

lake Varley

post lake height 1.419 near

New No. 1 gauge.

old gauge good cond. wood
and plates datum (C.M.) good.
lake depth 1.12 m.

installed new gauge on edge
of lake proper, 2m high
near adjacent to fence leading
out to lake.

installed Dola BM with RM's

leveled back to water datum from

new gauge.

old gauge 1 m = 0.9987 m

wood good cond. plates, both,

good cond.

travelled to acc.

(47)

10/4/00

ACE Lake.

depth of water 2m

wood board in good cond.

2m plate difficult to read.

Station good ~~com~~ calm datum

was movable when pushed

laterally soil has eroded

around box. 2m mark on

gauge was 1.9998m to calm

datum.

Installed Dola BM with RMs

back up slope ~150m. small

accessions blocked by slab

had to go around through

patches. access in future through

new road 500m west of gate

on fence running east-west.

Travelled to Parkburg.

48

10/4/00

Patterson Lake.

waters good.

1 m datum good cond.

2 m gauge level good cond.
plate good cond.

1 m mark was 0.988. to

1 m datum,

lake depth 0.55^m

installed Data BM with RM's

travelled to Lake King

across in motel.

(49)

Depart Lake King 7:45 11/4/00

Albino Swamp

water depth 4.95m

Photo No. 21

Top of gauge 6 m on fence line
used pipe to find depth point
labelled Dola BM with R.M.'s.

Swamp

water depth 2.35m

used pipe to obtain depth in middle

of lake using line and weight.

Installed gauge to right of trail

top of gauge 3m

used args to get across lake.

11/14/00

Lowmollidgeup

depth 3.12

surveyed depth using point
installed gauge at right of
trail 4 m top of gauge.
deepest point in ~~low~~ middle
of lake.

Dala BM installed with RMS
AHD brought in from BM on
road see Allan Gregory.

Finish 6:30 pm

accom expense Hospitality in
meal Pils Hotel.

(51)

shopping Fredland.
bread
tomato
eggs
Wheat flour
long deft milk

(52)

Agave cupping 2/4/00
Montezuma
7.45 am

started go to site along river
30m from road entering the lake

was my Brian White

before 0800 after 1700
90759011

90765046

last 150m of track was ^{on road} ~~use~~ ^{white} ~~white~~

BM height 3.922 lake height

depth point found using line

* and weights depth point

in middle of large ~~lake~~

and north of point of lake

middle of lake near young

placid is only 10m shallow

than main lake

lunch then into town shopping

Mc Legend.

12/4/00

Top of angle iron to water
is 590 mm

Scum on surface thick with veg.
on lake floor

water too deep to walk

edge of scum lower limit of
depth. at this point 1.1 m deep.
oval shaped lake.

no gauge plate installed

in dryer conditions accurate
depth of the lake can be transferred
to angle iron.

lake 50 m in from road. Old Dale

BPM at legend iron post probably
destroyed as no AHD connection

travelled back to expense

Finish 6:50 pm across Hospitality inn
meal Pine Hotel.

(52)

Time ↓ 13/4/00

Depart Exponne 7.40 pm for
Exponne 32128

Lake very full. track leads
to flat granite rock track
to station under over 2m of water
and station found too deep.

Data BM with RM's installed
height from BM to water was
recorded.

would have to find old track
to station runs in and out to the
south and back around to the
east.

Travel to Exponne 32778

Mr New RD access numerous
holes on road muddy bottom
used arge for it. In one way
1970

(55)

cont.

13/4/00

Calm datum O.K. cement eroding away
from base

Gauge wood board deteriorating
support high iron rusting in
base in water level

Gauge plate good. Im mark = 0.995
from calm datum

Installed Duka BM with RM's
Tied wheel barrow on back of
logs on a trailer set up.
worked well.

Travelling to Salmon Gums
accom + meal at Hotel

Finish 6.30 pm

(57)

A 32778

14/4/00

went off main road - travel
down two wheel main track for 500m
turn right and travel around
edge of sample flat turning out
and on to gauged method in
end of flat. This track is poor.
used arge to get in.
datum in good cond. soil eroded
away from base. gauge in good
cond. both plates.

1m mark on gauge = 0.999 from
Calo datum. Data BM with
RM's installed.

water depth 0.090m
Travelled to Truslowe
LUMCH

(58)

11/4/00

TRISLONE

acres good approx from one
water bearing near hole $\frac{1}{2}$ - $\frac{3}{4}$
wheel height surface hard, easy
to cross.

Calm datum good cond., soil eroded
away from base.

gauge in O.K. condition 1 m = 0.999 m
from calm datum.

wood board cracked and rotten
at base (beginnings of hole
still solid supports were
rusting at base but solid

replaced 1 m plate because it was
loose and nails rusted with plating

water depth 0.145 m

entrance to hole marked with blue
flagging tape.

(59)

TRUSLOWE CONT. 14/4/00

Dola BM and RM's installed
trawled to exposure.

Wheatfield

sumner for depth using line +
weight in point deepest point
in middle of lake basin sloped
bottom.

water depth 1.68

installed 2m gauge 30m to right
north of track / Ramps into lake.

installed Dola BM with RM's

Sumner 6.00 pm

Accom at Hospitality Bradford
meat at Teachers Inn.

(60)

15/4/60

Alison Chapman 8.00 am

Just at BP
travel to Sharn

wed arge to get to detour and

gauges from gravel road.
old track overgrown

detour in good cond. eroded soil
at base.

gauge one (1) good cond. $I_m = 0.999$

gauge two (2) good cond $I_m = 0.992$

gauge three (3) wood board O.K.

plate faded and rusted unreadable.

$I_m = 1.028 m$

installed Dola BM and R.M.'s at

edge of lake proper

travelled to North Parryup

(61)

North Paving

15/4/00

Sound clearest point in middle

of lake using in depth gauge

working around in the water

depth water = 0.66m

installed in gauge at the

point

installed. Data BM with Pins

3m to right / west of track

entering lake.

62

16/4/00

Novell

Bar Harbor.

running up by 1.020

63

2-247

Travel to Weymouth
Leaves 5:15 pm

Turbine pump 2.42 gauge
with lead

transit photol 100m from
beginning of tall brown marked
by white flagging tape.

(65)

Bygone transect BY2 is about
to depth gauges.

transect BY1 is further south
near 'Prison Rock Area' sign.
end in lake marked by blue
flagging tape.

Bygone depth gauge 1.98

(66)

17/4/60

Muir

rough line 1.123
water depth 0.55
gauge 1 0.991 near 0.991
gauge 2 0.986 near 0.999

Travel to Manginup
Finish 6.40 pm

(67)

Calibration 26/9/00
WTW pH 320 Simm Lanes
ASY method BDH buffers AC's
7.00 = ~~7.00~~ ^{6.98} @ 20.8°C

R/E 6mV
R/E SLO

10.00 = 10.21 @ 20.5°C
changed 10.00
R/E -56.6 mV pH
7mV

using SIMMONS buffer

7.00 = 6.95 @ 21.8°C

R/E 10mV
R/E SLO

10.00 = 9.98 @ 21.2°C

did not change
-56.6 mV/pH
10mV