

Alan Clarke's Field Notebooks CONTINUED

(INDEX) (UPDATED ON 09 AUG 2014)

(Only pages with notes are numbered)

- 22. 2002 (05-07-2002/25-11-2002)
- 23. 2002-2003 (11-11-2002/19-09-2003)
- 24. 2002-2004 (14-10-03/27-11-03) + (09-03-04/17-06-2004)
- 25. 2004 (03-08-2004/29-09-2004)
- 26. 2004-2006 (08-11-2004/19-11-2004) +
(13-03-2006/09-11-2006)
- 27. 2005-2006 (05-07-2005/10-02-06)
- 28. 2006-2007 (14-11-2006/07-11-2007)
- 28A 2008-2009 (25-02-2008/23-02-2009)
- 29. 2008 (05-03-2008/09-11-2008)
- 30. 2009 (11-03-2009/04-08-2009)
- 31. 2009 (18-08-2009/16-11-2009)
- 32. 2009 (02-12-2009/11-12-2009)
- 33. 2009-2010 (14-12-2009/19-02-2010)
- 34. 2010 (26-05-2010/17-09-2010)
- 35. 2010 (12-10-2010/12-11-2010)
- 36. 2010-2011 (24-11-2010/28-03-2011)
- 37. 2011 (07-06-2011/08-06-2011)
- 38. 2011-2012 (03-11-2011/01-03-2012)
- 39. 2012 (12-03-2012/27-04-2012)
- 40. 2012 (07-05-2012/21-08-2012)
- 41. 2012 (08-09-2012/30-10-2012)
- 42. 2012 (03-11-2012/07-12-2012)

Alan Clarke's Field Notebooks CONTINUED

(INDEX) (UPDATED ON 09 AUG 2014)

(Only pages with notes are numbered)

- | | | |
|-----|-----------|--------------------------------------|
| 43. | 2012-2013 | (07-12-2012/17-01-2013) |
| 44. | 2013 | (22-01-2013/20-05-2013) |
| 45. | 2013-2014 | (22-05-2013/27-03-2014) |
| 46. | 2014 | (09-04-2014/ 12-06-2014 and onwards) |

Alan Clarke's Field Notebooks

(INDEX) (UPDATED ON 09 AUG 2014)

(Only pages with notes are numbered)

1. 1992- 1995 (12-07-1992/19-10-1995)
2. 1995-1996 (06-11-1995/21-11-1996)
3. 1995-1996 (08-11-1995/11-03-1996)
4. 1996 (12-04-1996/29-11-1996)
5. 1996-1997 (09-12-1996/06-08-1997)
6. 1997 (13-08-1997/14-10-1997)
7. 1997-1998 (20-10-97/23-10-1998)
8. 1998 (04-05-1998/04-08-1998)
9. 1998-1999 (08-09-1998/04-02-1999)
- 9A. 1998 (09-11-1998/24-11-1998) Plus sorting of invertebs. from Muir-Unicup wetlands in 1996 & 1997).
10. 1998-1999 (30-09-1998/18-02-1999)
11. 1999 (15-02-1999/08-06-1999)
12. 1999-2000 (27-05-1999/24-02-2000)
13. 1999-2000 (29-06-1999/20-01-2000)
14. 2000 (29-03-2000/17-04-2000 and 27-09-2000)
15. 2000 (26-04-2000/15-08-2000)
16. 2000-2001 (01-05-2000/16-03-2001)
17. 2001-2002 (30-10-2000-19-07-2001)
18. 2000-2001 (06-11-2000/23-05-2001)
19. 2001 (02-04-2001/08-11-2001)
20. 2001-2002 (26-11-2001/11-04-2002)
21. 2002 (07-05-2002/25-05-2002)

08/04 - 09/04

06100-A6 100 Leaf



9 312136 800432
Made in Indonesia
Collins

①

AVO 1 hand pump

range chamber

103 map holder

②

Binnings cyclin base

2 boxes for He jets

mask for radiator

off set tape x 2

distilled water

Big W. Woodcock

2-3 strong formalin bottles

acetic anhydride 95%

circle clips

all tools

escorts medium small

welding iron

polypropylene bag max

hand clamps

(3)

Bumgaria Spring

31° 26' 12.3" N 32'

- ① 10K 1 laboratory
- ② Jerry McQuinn 1 condy?
- ③ Field paper
- ④ water stop

(4)

3/8/04

Devin Woodhead 7.15

pick up Bobb

York lunch pharmacist

Hydr. stop

Hydr - Naresman 300 Km

good road

Camp 30 west of Naresman

sampled M. Derrick rock

Grind 1800

(5)

numerous rockholes invertebrate
fauna in isolated pools. Pools
that were part of stream down
route have little or hardly any animals
Tadpoles in higher pools,
most pools had mud on bottom
collected some samples only
apparently water samples
water clear
rock pools 1.5m diameter
small than depth 15cm.
larger pools higher up
3m Di 20cm deep. Tadpoles

Q

(6)

DIVA SURVEY AUG 04

03/08/04 M'HEMIO ROCK
3:30 - 4:00 pm

Calothamnus, Leptospermum,

Kunzea Santalum acuminatum

Euc (mallee)? erythrocorys

Euc mallee (smooth bark)

Lepidosperma, Cassytha

Drosera, Acaecia (poachly)

Sedge (terete leaf 1m)

WGS 84 286458

6454903

photos 1-12

(7)

East side

Eucalyptus and eucalyptus

Callitris pine.

Quartz pieces on edges.

11 tonnes of lignum in
mudstone from to Harms lake.
mudstone grouped clumps

2nd Clayton pits 40-41
3209-552

123 08.387

granite outcrops.

(8)

4/8/04

Stone 0730

Good Narrogin BP

Fraser Range Station

Camp ground good views
from back.

HARMS LAKE 10.45.

PICTURE 17.18

11.4 km from Eyre highway to
main lake.

small rate crystals around shore
of lake, red loamy soil lake
bed. Site not mapped in

mouth end. 15.8 km from Highway
Jervis 1830

(9)

START 0700 5/8/04

Take 200 north along track from track
to turnoff → 2.6 km DP to gate in fence
remaining North south. Gate
is 30 m south of Wood
shed.

(10)

5/8/04

022742780

12456

Duck Pond 31 48.686 WGS 84

12557.410

E 779915 Zone 51

N 6476656

? specimens

Echoloma? *tomentosa*, *Scaevola*,

Halosarcia, Beard leaf Saltbush

Introduced grasses, Soft thistle

? native *oxalis* (Flowing yellow)

Successional leafed Saltbush Ready night

shed.

(11)

5/8/04

Arubidohy DAM

31 57.662

12602.448

20 km south of Amerstard

dam 20m wide 30m long

400m deep, no vegetation

stock dam, run off from road

dam excavated, water turbid

clay colour

(12)

5/8/04

come with Doug W.

sat back more up

live's man camp

right Post underground tank

4-5th. Still up to sleep

great little junction 13km 20m

optwo line wheel tracks

dam walls

Boobah cave

pic 16-17 track

carbox stacks W

13
5/8/04

EBO

turn off 15 km

west on Cape Highway from

Wachholmbeky Poodal house.

Spur 1800

6/8/04

store 0700

livestock camp

PH calibration

7:00 read 6.90 @ 17.4°C

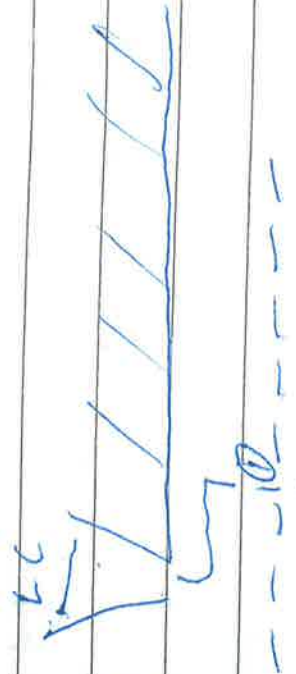
adjusted to 7.01

12 ml

10:00 read 10.02 @ 17.8°C

Not adjusted ~~to 10.02~~

-57.1 mV, 12 ml



Track along box of camp intersection with Tethya line leading to gull

at livestock camp

✓ E 256470 B 256894

N 6448087 N 6447283

rough track

6/8/04

CONIGA reholes

valentin 10^m mesh x 20^m long.

32 02. 808 266227

126 31. 447 6451696

MAX CURRENT

large circle 0.8 0.35

1st small round 0.4 0.2

2nd small round 0.35 0.06

total 0.50 0.17

photos 98-85

84+83 blank colonga holes.

(17)

contained a few mosquito
larva. walk left of both
gullies.
lower area of gully (main channel)
a large dead ~~swell~~ had been
constructed, but is now broken.
see photos. 106-112

pH 7.43 @ 14.9°C

YUDENDA ~~ESST~~

pH 7.54 @ 13.9°C

(18)

7/8/04

start 0700

Travel to Yudenda. (WEST)

32 01.784 274968 WGS 84

126 37.027 6453786

looked on both gullies

The one to the right (Joining the steep)

had one shallow (10cm) hole 0.6

x 1cm, water turn stained by over

hanging Eucalypt. contained

mosquito larva and small

Oothecids

left branch gully had a series

of small shallow rock holes

0.6 diameter 10cm deep with

algae same as Yudenda by only

(61)

8/8/04

start 0630

PTERSTYLIS 3200.964

12646.632

290058

6455624

TOONDI pH 8.98 @ 17.6°C

10" in deep

550m from main track into

start of gully. Dam on main

track then left, across creek

past old ruin, pass water

tank ruins (logmar) and up to gully

20

more

5.4 Toondi → Dog fence

Toondi main east-west track

dam, Toondi access track on left

just west of dam.

Dam. S 31 57.754 E 302872

E 126 54.843 N 6461814

PHOTO 178 Toondi Gully

(21)

9/8/04

start 0700

pH Calibration

7.00 read 7.01 @ 18.8°C

NOT adjusted to 7.01

13mV

10.00 read 9.98 @ 18.7°C

adjusted to 10.01

-56.5 mV, 13mV

N15W Road hole position on
trunk directly in front (south) of
gully.

S 31 58.446

E 126 53.474

N 300740

N 6460493

(22)

MISTLETOE 32 02.063
on Acacia 126 40.019

(23)

9/8/04

New rock hole to dog fence
2.8km.

dog fence went to archid
site on track 4-1km.

Narina Rockhole is 19.2 west
of dog fence on track.

Track. 32 02.021 E 280765

PIC 178 126 40.703 N 6453 474

Yudinda Rockhole gully 24.3km
from dog fence on track

32 02.200 E 275715

E 126 37.491 N 6453 033

PIC 179

9/8/04

Coloagna Rocked in

34.8 Km from the dog fence
on track Pic 180

S 32 03. 083 E 266024

E 126 31. 311 N 6457132

PIC 180

45.5 km from camp to dog fence

on track where track to gull

heads off main track

S 32 04. 628 E 256156

E 126 24. 998 N 6448095

5.9

Dog fence to Burnallie 54.6

and to old telegraph line 55.1

(25)

9/8/04

Choy Jence to Bernaldie
road EBB cars roads
60.5.

Travel to EBO talk to Wardens
Ken and Corina + New Huntsuits.
Travel towards Twilight
have camp 16 Km west of
EBO Jmid 1830

(26)

10/8/04

camp at Tumbheite cave
8 km east of cave.

(27)

10/8/04

Start 0630

travel towards Tumbheite cave.

24.8 from EBO to monkey hill
to look on right to Corbis's
Hut. Look towards sign Tumbheite
cave, "camping area" 27.1 km.
right turn to Corbis's Hut.

Gully on steep with rockholes
that were dry photos taken
holes filled in with sand and debris
top of steep are trail in gully

32 15.612 223165

126 06.682 6426930

(28)

11/8/04

Start 0700

Travel to EBO

Liked for lunch and
dinner. Lunched at EBO

to report on findings

travel to Yamviri Peak

hole up steep from Green

to the junction

travel to Wokhobuddy

have shower. First time

(left at Wokhobuddy)

travel 1 hr 45 to Twilight

leave. Lunched 1830 at

camp.

12/8/04

Twilight Lava sample
water chem plate pressing
in AM raining no wind
start 0630 J

pH Calibration

7.00 read 7.01 @ 16.7°C
not adjusted.
13mV

10.00 read 10.04 @ 16.5°C
NOT adjusted ~~10.04~~
-56.5, 13mV

Yarralis rockhole

pH 7.71 @ 15.3°C

30

44808

31

12/8/04

Caribbeo Hair Receptor

3215.630

126 03.936

223565

6426908

ear mean 0.75

with depth 0.9

max depth 0.1

0.05 cm 5 mm of width from

min at time (present)

Year of pool horizontal

with hair with soil

12/8/04

holes 50m west of Rockhole
12.3km along track north of
Lackabiddy.

H1 4.3m deep to surface
0.5 hour section diameter
0.7 hole opening

H2 4.5m deep surface to bottom
0.4 x 0.25 opening
0.3 diameter 1m down

holes expand with towards
bottom and go beyond



Version 75

bottom is dry.

33

12/8/04

refuel at Coahallidun
pickup fixed spare tyre
have lunch.

Travel to Balladonia

refuel car + 2 x 20k diesel
ferries and leave tank
with unbleached.

Water and meal on Viva.

+ Breakfast

Spent 1900 hrs.

(34)

13/8/04

Stn 0730 Balladonia

68 km north on Balladonia

Zanthus road

Small dam with concrete

on edge, drainage lines

put in, ^{Pool} dam dug out

Canals, Ross's stock drink

from wetland. 31 48.910

580774 123 51.206

6479734 water clear

with two spp of macrophyte

Balladonia but little else

aquatic insects visible.

35

13/8/04

BM 246 WPT 287

Becktonia Linton road
turn off to Harris lake

NW off track is a large wetland
500m wide 800m long, crab hole
along surface. Evidence of water
regularly in crab holes.

Vegetation per Bibb collection
dominated by

580740 E Zone 51

6479893 N W6584

27.1

13/8/04 (37)

turn off to Harris lake
140km from Balladonia north
along Balladonia Zanthus RD
SV 31 15.513 563644 E
LE 123 40.108 6541541 N

9.8km track on right (heading West)

Harris lake

Hooded Plover

3 adults 4 juv.

Hard heads fluffy

pH 7.77 @ 17.6°C

13/8/04

depth 20 cm was 150m offshore

S 31 19.551 ZONE 51 558081 E

E 123 36.628 6534124 N

Young shrimp no abundant
lying in algal layers.

withstand on beach south from

harbour lake

6 shelduck

2 + Blue Billed Duck male female

HHG 1

BWS 5

39

Burroughs Spring

31 25.780 552319
 123 33.031 6522648
 ① 31 26.059 551226 E
 123 32.342 6522138 N

4.9 Km from upper creek to main track

③ 31 20.038 547051
 123 29.675 6533279

② 31 23.209 549055 E
 123 30.956 6527413 N
 2m 51

40

14/8/04

6.2 Km from track to track heading east (1st towards ②)
 12.7 to position ③ from position ① on map.

Horn's lake

31 16.915 552744
 123 33.248 6539021
 lake dry evidence of water from from large creek channel

2.1 Km Y junction take left down to lake.



Northern end of Harris Lake
was dry. Large well had
evidence of good runoff earlier this
year. Lake recedes near shore
line in places. Veg in good
condition.

14/8/04

Damphire Pool outland
road to Harris Lake.

31 20.478 558372
123 36.818 6532410

depth current max
0.5 1.2

length 40m 80m diameter

width 30m [pH 10.47 @ 16.5°C

Lake has been 0.7 higher earlier

full earlier this year.

15 oldland ponded at lake

while we were near the shore

surrounding area is Damphire

red rocks and limestone boulders

water was clear made

again by masses of micro invertebrates.

43

14/8/04

its catchment is small, with
some runoff from the road
30m to the west. Lake is
perched above surrounding
rampshire flats and low
lake beds.

27.1 Km from turn off to
Harris Lake up north to
Transition access road.

77.7 from Cattle Grid
to Balladonia - Zenthus RD

BOON AVG 2004

15/8/04

8.45 start survey
 move west along North shore
 1st Bay 300 Fredo
 20 Swans + 20 + 20 + 60
 Lesser gull 5 + 10 + 5 + 10
 great cormorant 5
 chestnut teal 10
 teal 100 + 40
 black duck 10
 Southern shoveller 4
 LRC 4
 waterfowl kite none.
 phalarope 30 + 50
 WFH 1 + 4
 great egret 1

Banded stilt 6

Musk duck 0 → 1

coot 10 + 40 + 10

20 teal 60 + 10 + 60 + 20 + 30

Black duck 10 + 5 + 10

10 + 20 shelduck 5 + 20 + 5 + 10

Swans 20 + 30 + 15

Harlequin 1

put up boat + camp.

depart Branderoo 3:30 pm

1.4 km Zanthos to

entrance to Balladonia

turn off route.

(47)

15/8/04

trav. back to Kalgowla.

Irish Tour Math. Kol.
1930 hrs

(848)

16/8/04

start 0730

travell to Parth

finish 1530 hrs.

Handwritten notes in the bottom right corner, partially obscured by a yellow stain. The text is faint and appears to be a list or set of instructions.

20/8/04 (49)

Depart Woodvale 0715

pick up Bill back to

Woodvale pick up spare

tyre. Depart Woodvale

0745

Wild Shearwaters going off.

cheaper fuel at Widdin

Payms fine fuel + fuel \$49

good haul stop water

Wells.

fuel at Murchiston

Camp 80km north of Murchiston

north of 26TH

finish 1830.

(50)

White Wells lunch
rock dam creek

Cue - 49 woz

Walga rock +

Big bell goat down
Newman

Rings cheese

Misamis carrots

bread board

Bread x 2

eggs 210

Bacon? ?

* change tyres / fuel

(51)

sun with 2/8/04

camp 45km north of Mackabara
OD 81770km

start 0700

photos Kosmanina RH.

see Bill for true running

newman to Ethel creek turn off
57k sign

turn off 75 to Bedford Downs

Palawana turn off.

114 to Tokkuna trail T. off

230.3 camp track.

good camp on open flat track SAND.

finish 1800

(52)

21/8/04

gracilis yellow Sparrow
checked nests from Sparrows
very good photo taken

Tahamona front guard, 80-90km
some sections 60km hour 3rd year

(53)

22/8/04

start 0700 comp 9km in/out
stopped at dug out dam.

22 53.743 398393

122 00.560 7467682

backswimmers, Greidax,
not much else, water depths
0.4m 2 large swimming pools,
photo

125km west of Ballgar D. road T.
3 roadheads in pool

Potlall river 268.0 turnoff

Parrington community turnoff

296.3km. Tallamona track

smaller lower track.

Stopped frequently to look
at plants and take photos
Six Greg of plants of
interest

22/8/04

refuel 82600 Km
well 23.

track well 30-40 km/hr
lunch at Georgia Cove
CRA 1991 lat 1 at Cove
very good. Water warm,
lots of wasps and bees, but
O.K. Travel along track
slow. Corrigations see photo.
camp at well 21 with

Army progress. arrive camp 1730
Sun 1830.

part 3 vehicles in the pm
coming north

2 motor bikes and 9 Army vehicles.

23/8/04

82664 km start this day.

Start 0700 road 7.25

stopped twice looking for *Junco*
stopped at Chapman to collect
dry *Orthocentrus*.

stopped in salt marsh (recently
mud) and had to wait for
sunny to change a type.
could not go around.

* share site on bottom of dome to
the right, assume to include wet
area on main trail (Bill photo)

wet marsh very boggy at track.

Back Disappointment Banded *Alcedo*

death of juvenile birds.

030

will be in *Junco* *Junco*

(57)

23/8/04

6 rechecks

Travelling north to south.

Manal Savary CK @

Lake Disappointment.

23° 21' 44" S 146° 56' 82" E.

122° 39' 855" E. 7416881 N

Calibration pH metre

7.00 read 7.00 @ 21.3

not adjusted

13mV

10.00 read 9.95 @ 22.3

adjusted to 9.98

55.9°C 13mV

depart after lunch
in water clam and rompk
of Lake Otago
1515 hrs.

stopped to change Bricks
stopped to tie wood on
roof down, drove around
Bunny because vehicle on
Track you lose roots
Moths for 23 29. 877

122 33.033

454110 7401298

8/2/79

13/1/79

10/1/79

(59)

Buo (food) around water
rock hole visited regularly
by travellers.
granite rock area.

pH 6.78 @ 19.0°C

(60)

24/8/04

ONLEGUNYAH Rockhole,

start 0730 food leavings
and equipment rearrangement
until light impacts on rockhole
which is in a small gully.

23 33.151 455995

122 34.130 7395248

Zebra finches drinking from water
water flows from plateau above
rockhole into rockhole and when

gull surfs down into creek

line 50m to west of the camp

Kangaroo took previous evening
but we cannot, which camped
over night near our camp.

Clay Pan 500m north of
 Orelguyel rock hole 150m ~~in~~
 diameter max depth 1m recently,
 current 10-15cm. One Grey Teal,
 Pink ear Sparrows found around
 edge. water muddy claypan.
 could not detect and aquatic
 invertebrates with my eye
 when sweeping with net.

24/8/04

OD 82767

travell to Durba springs 42km
 one flat tyre replaced.
 frequent stops to take flora
 pictures and collect specimens.
 lunch at 2.30-3.00
 sampled camp/1st pool.

Bahriamodidae observed with
 tanks when setting fish traps
 at night.
 lizard retrieved from pool and
 fixed in 10% formalin.

(63)

24/8/04

Dunbar Springs

pH 7.38U @ 18.4°C

23 45.269 450693

122 30.969 7372871

max depth 2m current 1.5m

10m wide by 150m long:

rocky shore, little areas of sand,

shallow entrance (outflow area had

macrophyte (collected) and some

algae. Punks over sampling into H₂O

people swimming in pool everyday,

and collecting water

set nets in 1.5m / camp pad after

dinner

(64)

25/8/04

Start 0700 pm 0700

Clean food box repair because
of broken zipper, clean fridge
gunge from bottom.

check traps x 3 only leather
packed camp by gear and ~~soiled~~
up the Durba gorge.

2nd pool longer deeper than
camp pool 500m \approx from camp.

characteristics very similar but
less disturbed. Climbed rock

face/fall up to small rock ledge
(eye size) 2nd pool larger

deeper 30m x 10m x 1m deep. 3rd pool

deeper 30m long 20m wide deep

(65)

75/8/04

3RD pool sampled

S 23 45.649 449832 E

E 122 30.460 7372168 N

Depth

Catchment is pavement gully
reaching 1 km back into plateau.

pool max. height additional 0.4 m
before flowing into 2ND pool

absence of all pools/tracks

being blocked by high water

flow through gully late

marks and damp areas along

gully. algae lightly covering rocks

in pool. average depth point

1.3 m. P70

(66)

00 82819km → START → 25/6/04

gully above 3rd rock hole sample
route, another gull branches of 50^m
up on left for 400^m photos

500^m up main gully to 2nd

left branch gully 400^m. Rockhole

another half way up gully. Gully
extends about 700^m with

3 small open size rockholes. Each

has similar visible aquatic invertebrates
and water when in characteristics

gull extends to further 500^m.

pH 6.25 @ 22.5°C well

5km from Dumbia to V17 tunnel

well 17 turn off to Bella spring tank

7.4km.

67

25/8/04

Buella rock pool I

23 46.102 445070

122 27.655 7371315

max depth 2.5

current depth 1m

20m long 5m wide trough shape

max 50m long 15m wide, clear

water, algae.

pH 6.67 @ 21.1°C

(68)

25/8/04

Biella pool 2

23 46.115 445498

122 27.907 7371292

current depth 1.10 m.

max depth 2m

30 x 20 m ~~max~~

max 40 x 40

star ~~to~~ macrophyte collected

pH 6.69 @ 19.1°C

car park to Biella gorge is

2.4 Km from Storb Route

position on black route where

track to Biella gorge leads east

23 45.093 443021

122 26.452 7373167

finish 1900 hrs.

69
0D 82833 26/8/04

Start 0700

walk 16 to Biella track

Position west Poob Colant R.

track junction of main track

23 58.253 4726685

122 43.905 7349103

Track ends 150m in.

Contains headland track turn

off ~~the~~ 6th level to west poob

12m off.

9.1 (cumulative) to turn off to

west trap pool / gull

Small, shallow, very clear with

2 x 3 0.3

70

26/8/04

Reeps running in to etc.
photos 160-158

(71)

00 82908

27/8/04

T junction SR to Calvert

range ring read 83 57.825

471931 122 43.446

7349760

1.8 km from here north to

camp pool gauge.

pH calibration

7.00 read 7.01 @ 18.2°C

NOT adjusted ~~7.01~~

13 mV

10.00 read 10.05 @ 18.0°C

adjusted to 10.02

-56.6 (3 mV)

pH 4.0 read 3.85 @ 18.8

72

27/8/04

pH Calverton Camp 6.18 @ 18.30

junction of Calverton ring road
and Longstone headland track

23 57.869 477025

122 46.451 7349687

93

bottom rocky for aead
max survey depth
max depth near rock wall
was muddy

pH 6.01 @ 19.3°C

camels

74

00 82974

28/8/04

stone 0700

camped at gorge
walked up gully to Moongooloo
rockhole.

max depth + 1m. solid rock face
at upstream end. water clear, but
appears black because of black stained
rock bottom, algae near shallow end.
camels + donkey unable to reach rock
wall 200 down stream from rockhole.

516899 251 24 04.165

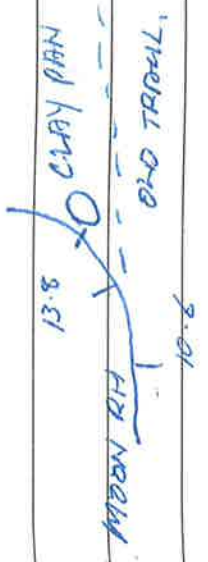
7338078 123 09.92A

rock art on walls somewhat
weathered. H x 5m across, 25-30cm
long 2.6m deep current.

28/8/04

10.6 km from water creek to
Mungwabolos Rockhole track spine.

13.8 from Moon. RH old track



CLAY PAN 24 01. 727

123 05. 642

509562 good example.

7342584

54.6 to Mungwabolos from
Cubert track. (turn)

76

28/8/04

36.7 Km CSR

to Calverton Range.

position of truck heading east

to Calverton Range.

S 23 52.709

442325 E

E 122 26.009

7359128 N

Camped at well 15 good H₂O

Finish 0600 filled water

graves with wood around.

(77)

used 9 cattle windmill

Pasture country = Bare ground
no Janaro, grasses chewed back
erecter

lots of Red Rocks close to
track just cutting them
found to catch a hundred
the track has interesting fauna
well 9

(78)

00 83121 29/8/04

START 0700. camped at well 15
well 13 good camp
well 9 great camp spot

lunch

tried to move to Cameron Range
at Stock Route is 12km south
of Pierre Spring

301561

25 19.289

7197994

121 01.715

camped 25km west of Stock Route
finish 1830

cloth bags (calico) for
bills and lots more etc.

Food

anyone meat chicken, store bag
anything

VHF channel 40 - U

x 2 when expanding to look for
3 km range. Things.

eggs in fridge

water provided at our taps

rod mules mowing

wood boxes for regis

fire grate for cooking

NAAN bread, Porridge

resemble flat bread

collect wood along the way.

Paper.

6-8 ply types.

(81)

reps from pool wall down hill side
in to a series of small pools low long
0.5 wide 0.2 deep beets observed etc.
only.

mouthwater samples from

pool 2 3 5
water from
pool 3, 2.

25 16.626 267572
120 41.512 7202368
depth point 1.4 at inflow
slopes up to out flow area 0.3
mass 2.1 m

(82)

01083359 30/8/04
33.8 from stock Route
to 1st trail right heading north
to Range. Walk for 1 hr up and back
one small pool 0.2 deep 1 m diameter

feed from seeps into creek here
2.6 from trail into gully SE
3.4 along creek back to samples
1.30 km NORTH
1st hole
25 16.685 lower hole 267572
120 41.511 7202259

Pool 2 down slope circular
pool 6m diameter
Pools 3 (A+B) circular, 1 long thin

25 16.558 767535

120 41.491 7202494

25 16.517 767555

120 41.504 7202570

3

Pool 1 water ~~shallow~~ ^{max 2m}
~~shallow~~ long pool 9 x 1m + 1m deep

rock pool 3 x 2 + 1m deep max 1.2 deep.

Pool 5 banana shape rock over
hang clear 15m diameter

pond buildings on west end and

centre deep 1.2 + under rock ledge
with crystals clear

Pool 4 thickish platform

did not sample

30/8/04

Calibration of pH metre

7.00 read 7.08 @ 12.2°C

adjusted to 7.03

10mV

10.00 read 10.02 @ 12.5°C

adjusted 10.07

-55.8mV 10mV

Common Range Eastern pools.

pool 3 pH 7.45 @ 16.4°C

pool 2 pH 5.62 @ 17.4°C

(86)

30/8/04

Drove into Trench recently pushed in to
spectacular gorge. Vertical solid
rock walls heavily vegetated.
no rock holes 1.5 hours very
difficult walk through thick veg
and steep climb.

4th gorge west end of range
then trail to small rough
turn around. long walk 3/4 to
top, no real lakes or seeps
looked further down gully, no H₂O

(87)

Carlton Peckholes turned to road
heading north into mid peer ranges

3.30 Km ✓

(88)

WA Museum

Sepants' Glen 30/8/04

Good Camp ~~Ballhole~~

263567 25 15.760

7203899 120 39.143

pH 5.26 @ 13.7°C

→ deeps small chain of shallow clear pools with samples taken.

pool at base of gully
(Camp spot) turbid, no macro
invertebrates present no samples
taken 10m long 2.5 wide 0.4 deep.

(89)

START 0700
OD 83393 (90) 31/8/04

refuel which 2 x 60lt
tanks in to both car tanks
need a better system than
the jigger to capture fuel.
suggest boat pump line.
Bill collected and pressed
some plants.

depart Goodcamp 0800

0.6km from Goodcamp site to landfall
to north we arrived on east. 100m

small rock hole 7m long up/down stream

6m wide 1m deep lots of animals drunk

25 15. 488 263578 from this hole

120 39.155 7204401 Stations around
hole.

large
Plastic
1 Bag for diesel oxygen and
fuel

colymine.

large long low rock
Goodcamp

some aquatic fauna

lots of Notonectidae, alga, general

Charabrochus some as 6.5m prob CA

max depth 2m

(91)

30/8/04

T junction at CR coming from
good camp leading to good
camp north hole trail heading
north to Y junction 13.9 Km.

25.08.549 267985

120 41.910 7217294

we too left south

2ND south 17.3 (cumulative)

25.06.921 267929

120 41.907 7220300.

took right fold

Yamada water hole Km from track

25.06.415 269526

120 42.860 721239

(92)

sandstone ripples in rocks
 series of shallow few cm's to
 large pools 10m long 2m wide to
 a depth of 1m, very clear ponds
 some with algae clear warm water
 feed by seeps from rocks on sides of
 gully and main seep in top part
 sandy vegetated areas slanted
 water movement algae above ponds -
 Eucalyptus growing in ponds with roots
 mats contained large insects. Body of
 was found in deeper pool half way up
 white scorpion seen on surface in top
 pool. Raptor feathers in gully and
 other feathers from smaller birds
 around ponds. large white thistle

(93)

3/8/04

VIGIN SPRINGS

SAMPLES Pool Bottom H₂O CHLOR. 270453

2506.957

120 41.408 7220286

7m x 3m by deep. last Pool.

GPS of pool at base of seep

Top pool (water samples taken)

270420 25 07 179

7219866 120 43.384

30 separate ponds connected by flowing

low at bottom of seep.

270316 25 06.905

7220370 120 43.327

(94)

3/18/04

on rocks from Peyton or other big
birds. Burdard South Island
half way up gully. 2 water
samples collected in deep pool
lower area. Does not appear to
be any micro crustacea.

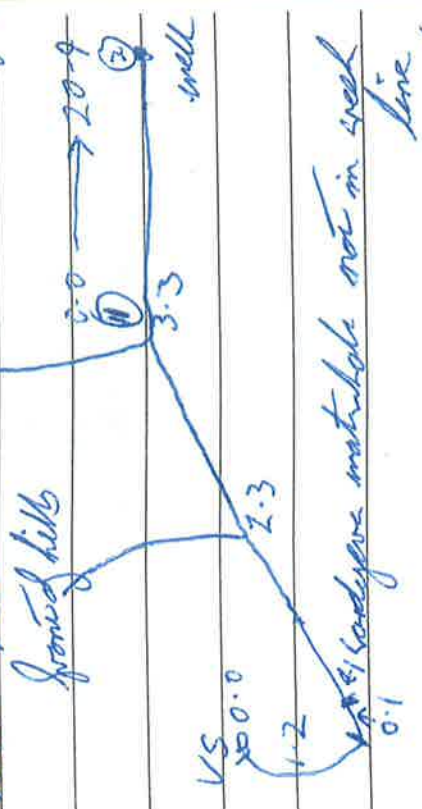
pH Top pool 4.10 @ 23.5°C
pH Bottom pool 4.66 @ 22.8°C

Spink 1800

START 0645. (95) 1/9/04
010 83421

Virgin Springs to cross road.

Virgin Springs tunnel 1.2 km to Kordyana
water hole (CARNORON Range)



① 268009 25 06.907

7220328 120 41.955

② Zebimaya well.

53.2 km right north side.

(96)

1/9/04

62.3 turn right / old spur

line on west side of road

79.0 turn left / present to present

25 02.414 198109 ^{at 7}

120 00.493 2227259

60 km home track to GNH

(47)

206-204 Bentard

203 scenic route to SR Jewell's

202 ALSO Geo.

201-197 well 15 camp and well

(48)

Virginia Springs 298 - 276

KADYARA 275

MS MISTH-DTAA 274-273

272-267 good camp rockhole

266-265 picnic

herpents gln deep 284-260

gully north of ↑ picnic 259-256

257 & 251 picnic gully walked up

250-226 Eastern rockholes? some

225 flowers

224-223 15 gully walk CR

222-218 Camp on road to CR from SR

215-213 Thamy Devil

212-210 picnic

209-207 Red Roo.

69

7/6/72

OD 84082

6/72 - 24/9

Commonwealth 94618545

6/72

26/9 Greg Russell - 98849225

MON

See

DM

Jim mobile

Margaret

weekend time?

100

KNECHTNER

CL 98492670

MC90

[Faint blue ink scribbles]

(101)

Visa applications for 1 year
from OZ or better from FR
cost of 1 year visa
3 month visa than 1 year different?
can she work on 3 month visa?
one year visa?
can she get CALM contract
work. or private or contract
job sponsorship.
with Jim
Boris Baden tourism job

(102)

8/9/04

air survey Volgas IBERA
engine start 8.55 am.
land at Thundara Station
stop at 11.26
start 11.44

20/9/04

Ring Sue re Gibson Desert NR
talk with Stuart

Adrian

OT TA forms

Grant Experience NOV

transcribe aerial survey

copy CD with air survey photos
in post.

Yulgers notes (others other than survey)
Kad notes to be confirmed.

John Morris

Amerson manual.

Yvonne - Mathilde

Email Davian

Water samples to be organised
and sent to Chem centre.

GBP to do Relevance Analysis
app gang run.

Karl Yulgero

Guild advice form week-long

Sun to talk with Kelly Gullin

re Yulgers Guild work.

have you phoned Greg when you have
been doing it

Bill of Karl/Madler field
work. Talk to Greg.

Combion man.

Vehicle clean, water, taking to ground.
TONIC, BT skin
JTB papers

~~refuel to motor~~

Email Tim about change over
A vehicle good to leave Monday
Page 20 - we should drop off.

Drop off photos in film camera
in Beldoni.

John pinch 180-190 nice P's

13/9/04

Calibration pH meter

7.00 read 7.03 @ 21.8°C

mV adjusted

10 mV

10.00 read 10.10 @ 12.8°C

-57.1 mV

10 mV

Yeading, Brown, White

Loosgin

Sandabup 13/9/04

WRC 16.82 g(A) 0900

pH 7.77 @ 15.6°C

Sandabup 11.11 pm

44.77 (B)

pH 5.69 @ 16.9°C

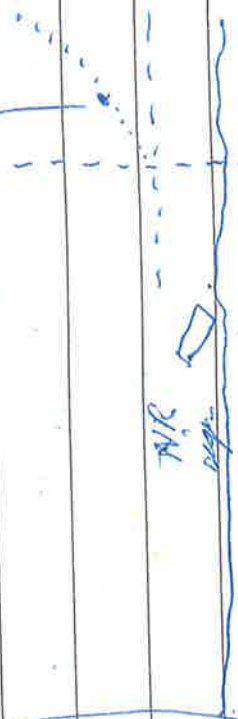
CHONDALA 12.45

depth gauge A 1.0m

pH 6.25 @ 18.7°C

(109)

Blue Spring



WSS 84 zone 50

Truck to Graceros of Namagora

366002

6579959

(110)

13/9/01

Bambun 1330

Depth 2.48 m (A)

pH 9.33 @ 18.4°C

Gracheros 1510

water is 0.30 below 1.4m mark

gauge has been burnt and

needs replacing, no longer

operational gauge (B)

pH 7.24 @ 18.4°C

Georoga 1620

gauge (B) (2m) no plate

water 80cm down from [Z]

∴ 1.2m depth

lots of rain cars

(111)

940311914
940311792

(112)

13/1/04

Gragga (cont.)
lots of Southern shoveller.
Total pTN not filtered
pH 9.01 @ 18.5°C

Leaman Jovi 6:30 pm

(113)

14/9/04

CALIBRATION pH meter

7.00 read 7.6 @ 17.4°C

adjusted down to 7.1

8 mV

10.00 read 9.99 @ 13.9°C

Adjusted up to 10.06.

-55.9 mV/pH.

(114)

14/9/04

Start 0700

leave 0800

extensive area (dry) of pools of water
on west side.

LBL 2 1m gauge 0.04m (B) ?

BWS, Gannet Bank, wooded

champanis, large Terns,

water 50.04

YARRA YARRA 0930

pH 7.48 @ 14.9°C

Gauge B. 0.23m

LBL gauge (C) is 0.22m.

115

116

14/9/04

Exonk 1130 hrs

depth @ (3) is 2.39

pH

mud Duck, swans, Black duck

low numbers

8.37 @ 17.2°C.

Geology 1415

depth 0.1m (A)

pH 7.87 @ 23.2°C

Blue Gum 1615

depth 0.41m at (B)

pH 8.97 @ 22.7°C

B needs replacing.
because numbers are skewed.

(117)

14/9/04

Wannemad 5.45 pm

depth 1.50m @ (A)

pH 10.01 @ 17.9°C

NINAY 1855

depth @ ~~(B)~~ (C) 1.02 m. on shore off.

pH 8.17 @ 17.9°C

Base at gauge site \approx 300

BWS 60

Swish @ Mangrove Hills 7.15 pm.

(118)

Calibration

7.00 read 6.98 @ 16.8°C
adjusted to 7.01

9 mV

10.00 read 10.03 @ 17.6°C

adjusted to 10.02

-56.2 mV

9 mV

Ca

(119)

15/9/04

START 0700

HINDS 0815

depth 0.81 at Impey. (C)
7.88 pH @ 13.4°C

Wakymanning 1015

depth 0.44 @ (C)
pH 9.56 @ 15.8°C.

Frazer 11.00

depth @ B 0.16 m
total P+N nae filtered
pH 8.24 @ 15.4°C

(120)

Calibration

7.00 read 7.02 @ 19.0°C

adjusted to 7.01

8 mV

4.00 read 3.82

adjusted to 4.00

-59.6 mV

8 mV

(121)

15/9/04

Sample 1415

depth @ C (1m) 0.53 m

pH 3.17 @ 21.5°C

AROAATH 1600

depth @ A 1.21 m.

pH 3.82 @ 17.8°C

Red lake.

Very thin film of water

in middle of lake water sample

not possible to be taken

122

Calibration

7.00 read 7.01 @ 23.0
not adjusted
8 mV

10.00 read 9.80 @ 22.8°C
adjusted to 9.97
-56.1 mV
8 mV

123

15/9/04

Corvagin 1730

Depth @ (C?) 0.10 m.

Total PON not filtered
9.14 @ 18.9°C

(124)

Calibration

7.00 read 6.98 @ 16.9°C

adjusted to 7.01
10 ml

10.00 read 9.98 @ 18.5

adjusted 10.01

-55.7 mV

10 ml

Total P_{CO2} not filtered -

(125)

16/9/04

Plant Corrosion 0700 Seeding

Brown 0745 Base * 1000

LBL & B (1m) 0.14 gauge dry

water is 85m from gauge into

lab. pool of water 0.08m.

PH 7.96 @ 13.4°C

White 0830

dry

Yellowing 0850

→ In gauge depth 0.55

LBL & gauge 0.45

PH 7.88 @ 13.5°C

lots of R.P., phragmites, + BWS.

(126)

16/9/04

Meard 1020

depth @ D 0.3 (m)

LBL & D is 0.3 m.

pH 7.87 @ 15.1°C

Burwell 11:00

depth at C (9) 8.90 m.

pH 8.10 @ 17.8°C

gates closed.

Geonyping 1240

depth @ A 0.64 m.

pH 6.03 @ 18.0°C

(127)

40/6/91

Dalrymple 1.50 pm

Depth at 1.50 offshore.

0.33m.

pH 6.32 @ 19.6°C

28/9/04 (128) LACE ≈ 5 km S of

YALGOO

Calibration

7:00 Read 7.02 @ 18°C

Not adjusted 6.99 @ mV

10 read 10.07 21.8

adjusted to 9.98

-56.6, 9 ml

macrophyte swamps and choa.
steep (opbeep)

lake edge.

476000 28 23.906

6858635 116 45.300

TDS 58000 mg/l

(129) YALGOO 28/9/04

waterbird count Telescope Bushel
north side of lake.

Base 900 270 108 189 11 +30

59 412 250 1508

BWS 30 170 +30 250

RIP 62 +40 +5 +10 412

~~shelduck 811 +21 2229~~

~~Swan 3 Black (ranked) 2~~

Sharp-tailed sandpiper 1

grey teal 50 +4 +34

~~Lesser Shoveller 10 Haddock.~~

Whiskered Tern 9 Black belly.

pH 8.79 @ 26.1°C

depth up to 1st ridge on Boat

near top. 0.3m

(130)

28/9/04

Blago 37.5 km off north
Yalpo Pond 15.9 km Gabar

YUIN CLAYPAN

pool/lake (found on Sprengel R)

418976 27 57. ~~468~~ 469

6907198 116 10.576

Grey Teal 2

JBWS 2+4

Black Quainted. Plover 4+2+4

Pacific Heron 1

depth 0.30 near 1.2 m.

inflon N/E + west sides

large catchment area.

turbid clay water

(131)

28/9/04

Total P not filtered

OH 7.82 @ 24.9c

Spud 6.30

Camp air for Yuin station

29/9/04 AC7

Sprengel river pool ~~NANGARRONG~~

dam stream clear pool (soaking) ~~POOL~~

419083 27 59.213

6903978 116 10.628

swan x 2

Antaligam 0.7 breeding, not material
grebe x 2 with juv 2

Ducks x 4

WEH 11 cool x 2

132

very eroded med.

clear pool cont.

Sambucus

Amelanchier

depth 2m + macrophyte

width 10-15 m. 70

length lat. GPS readings

Typha, *Juncus* spp.

Carex

Braided channels and separated pools

Clay pool ^{in between} north of ~~MINNESAPARROW~~

up from clear pool. *Typha*

10-15 m wide

rock edges, ~~to~~ rushes.

deep 2m plus.

133

29/9/04

clear/clay pool cont.

goats shed

2 water samples taken

Ymin phone. 99637982

Pool below crossing

1.5+ m deep narrower, but

longer, case, *Panic. Grebe*

upstream clear pool

27 59.106

419145

116 10.667

6904177

Centre clay pool

27 58.895

419322

116 10.777

6904565

(134)

~~WATER SAMPLE~~ SITE 2

29/9/04

BOTTOM Pool at Base of Chandel Area

WFAH ~~in~~ between Curdys

LRC 7 Curdys Rocks and

Wood and 7 Wangarong

SWATH ~~pool~~ springs

HHG 4

LOWE 7

418342 27 59.743

6902994 116 10.172

pH 8.68 @ 24.8°C

MILUTHA (135)

THIRD Pool ~~135~~ POOL

410286 27 59.480

6903472 116 05.258

water sample taken

YUN Claypan

Geolos Claypan

over flow drainage into Greenough



Wangarong S.

(136)

Billilly 30/9/04

345367 27 07.116

6999468 115 26.395

pH 7.73 @ 16.6°C

Depth 0.6m

± 20m wide, 800m long

A 40628 15Km to the east

cons. ♂+♀ 35Km diameter

elbow

p9300109

111

112

113

114

(137)

Woolan ✓ Bathing
Sun TUE 28/9

TUE 28 8.15

John Alexander WED

0412 893 801

WED 7.00pm

1943

Tectaria

venulosa

Yallahy

Marchman R.

(138)

ALAN'S PH METER PROBE
NEW

Buffer 7 read 7.10 @ 16.4°C
adjusted to 7.04
0 mV

Buffer 10 read 10.21 @ 16.4°C
adjusted to 10.24
-54.4 mV
0 mV

ALAN'S PH METER OLD PROBE

Buffer 7 read 7.00 at 16.2°C
not adjusted
0 mV

Buffer 10 read 10.17 @ 16.2°C
adjusted to 10.24
-57.8 mV
0 mV

(139)

BRENT'S OLD PROBE

Buffer 7 read 7.09 @ 16.5
adjusted to 7.04
-7 mV

Buffer 4 read 3.73 @ 16.3
adjusted to 4.00
-57.9 mV
-7 mV

BRENT'S OLD PROBE

Buffer 7 read 7.6 @ 16.4°C
adjusted to 7.04
-3 mV

Buffer 10 read 10.00 @ 16.4°C
adjusted to 10.24
-54.0 mV
-3 mV