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18/8/09 - 16/11/09

MARKRYTE

ALL WEATHER

WATERPROOF NOTEBOOK 110

①

16/8/09

Coastguard C. 11.40 am.
loggy 40m NNW of gauge A

depth @ A = 0.98m
15-20kt NW wind

depth at loggy 1.03m
loggy physical depth 0.98m

loggy ID RB0074

stage 10px in 1.55
depth 1010mm

Bar Vals 582
loggy every 8 hrs. updated

calibration ~~816~~ zone 9943

~~9-10-11-12-1~~ open 6.38941097

0-1700m Waterproof Paper

CHAN

1545 18/8/09

depth @ PA = 93m.

depth @ logger @ 1.035m

logger spherical depth 1.0m.
wind calm

logger ID = RB0064

60m NLEB gauge B
centre of wetland

logger called

depth = 1035mm

BATT log = 582

logger time 1651

logged at 10am for
calibration data

cancel file

changed log type to 9 hrs

cancel files

CHAN

9/8/09 9:20 am

adjusting beam gauge

GPS WPT = CHAN TBRG

per esp electronic mic

lake depth @ A = 0.94 m.

depth @ B = 0.95 m.

note sample taken @ ~~1~~ logger

physical logger height 1.01 m.

logger WPT = CHAN LOSSEK.

lake depth comparison by 1 cm

average

\$170 244401³ (4)

* pH ACID + Alkalinity
HACH acidity Test Kit
model AC-6 0

\$170 cat. no. 222301. rings
eg. use.

Old Standard 1.413 ms/cm
12.9 ms/cm
* 111.9 ms/cm.

KLH pH probe solution / make
storage.

Peter Swartz
920939550

John
Barak Daves 0430 531 669
97584002 Luis Augusto
TRUK 27TH 0930, 58 Indus

5

1200 hrs 26/8/09

Buller's Shearwater
RB0091

probe length 2.5 m

Calibration 0.0 - 1.8 m

see sketch

change to 10 sec

logging

peak Spectra = 6.408332824

freq = 12212 wmts

loggers physical depth

0.81 (19 cm below 1 m mark)

14401.0

27/8/09

LAKES DAVIES

RB0075

probe length = 2 m

Depth = 4.7 m

Calibration 0.0 - 1.8 m.

peak sector = 6701110838

Zero = 10146 counts

lake depth loggs.

2/9/09 (7)

ALAN'S WTW 320

Calibration using unused type 08 probe.

4-7 range.

-57.2 mV/pH

-0 mV

pH 4 = 3.99 @ 11.3°C

Probe is OK. pH 7 = 7.08 @ 11.5

Water potential 7-10 range.

-54.4 mV/pH

-2 mV/pH

pH 10 = 10.36 @ 13.4°C OK

Test spare probe New?

7-4 range.

-57.2 mV/pH

-7 mV

pH 4 = 3.99 @ 12°C

Probe O.K.

8

Connected several 07 probes
and received error messages.
∴ all 07 probes discarded.

Calibration of Jim's 2008 probe

7-4

-57.7 mV/pH @ 12.2°C

-4mV

pH 4 = 3.99 @ 12.2 Temp O.K.

needed

New probe for Jim and Yvonne.

Jim has backup probe (as above)

3RD probe for Yvonne as backup.

Distilled H₂O, Turbidity × 3

Glass bags × 3

" " metal × 2

9

1420 ho.

8/9/09

Broadwater

RB0062

loggs depth 0.922^m

Bath Vols 591

305 entries

1510

Bath. Station RB0091

1188 entries

depth 1102^m

Bath Vols 585

10

12/19/09

Appts Gungahlin 0830

WHIN 12:30

Appt Cal B = -0.040

LBL = -0.050

strong westerly wind

temp point 0.080 deep depth station

pH calibration BWD CO2 TSC
7-10

-54.3 mV/pH

-11 mV

buffer 10 read 10.38 @ 11.6°C

pH 8.02 @ 14.5°C

LITT 1330

Appt @ A = 0.58 ≈

gph from NW wind 30Kts

pH = 8.53 @ 13.7°C

11

12/9/09

TAAR 1415

depth @ B = 0.15m

pH = 8.32 @ 14.1°C

strong NW wind

WALB 1450

depth @ B = 0.26

pH 8.46 @ 15.4°C

TAAN 1515

depth @ B = 0.33m

pH = 9.06 @ 15.2°C

DULB 1630

depth @ B = 0.89m

pH 10.69 @ 15.9°C

finish 1800 Narraggin

(12)

13/9/09

date 0730

YEAL 0900

depth @ C = 1.11 m.

300+ Swans

BWS 5m

Boats 200

electrodes

pH Calibration

7-10

-55.2 mV/pH

-12 mV

buffer 10 read 10.26 @ 15.8°C

pH 7.67 @ 13.3°C

BROWN 0930

depth @ B = 0.19 m.

pH 7.68 @ 13.6°C

13

White Water 0.930
13/9/09

dry at gauge LBL = -0.010

2.5 m from gauge to water.

40 mm deep in sample pit.

sample 0-5165 from North.

PH 8.00 @ 15.5°C

BEVE 11.30

depth in 10 m g = 9.76 m

PH = 8.22 @ 16.0°C

Micro 1215

Depth @ D = 0.48 m.

PH 7.94 @ 16.5°C

13/9/09

ARDITA 1430

dry on gauge, used string + line
with up 26m below 1m mark.
∴ depth = 0.74 m.

pH Calibration

7-4

-57.2 mV/pH

-9 mV

buffer 4 read 4.00 @ 13.6°C

pH 3.66 @ 16.6°C

Red Lake 1530

depth dry on gauge
pH 10.015 deep.

Corrigan dry
Janet Heyden 10815

15

Time 0800 14/9/09

Loc 0930 hrs

Depth @ D = 0.11 m
strong WNW wind.

pH calibration
7-10

-54.4 mV/pH

-10 mV

buffer 10 read 10.34 @ 16.4°C

pH = 7.94 @ 15.5°C

Alain's 1045 hrs.

depth @ E = 1.66 m.

pH 9.71 @ 13.9°C

RONNIE RUP

depth @ C = 0.15 m.

very strong NNW wind.

pH 8.06 @ 16.9°C

14/9/09

Bennetts

depth @ A = 0.35m.

very strong North wind.

PH = 9.86 @ 15.1°C

SERD 1515

nearby BWS, Winkard turn

depth at B = 1.46m.

strong NW wind.

PH 8.16 @ 19.9°C

Esperance Hospital

90710888

North Landing

Be strong

17
Dora Mungump 0730 / 15/9/09

ESP1 26410

Wedge-tail eagle nest with
near Nidul chick x 2

BWS 200 nest of 4 eggs.

Gay tree flew out of tree hollow.
no nest. YET!

chestnut teal x 2 + 6 all in pairs
G teal 120.

swan x 2 + 4 cygnets during
daylight @ A = 0.33m.

WEH x 3 + 2 one with one moulting

Black Duck 10

another elsewhere. x 3

pH = 9.0 @ 19.8

Calibration pH % 17.9

7-10 Cond 29.45 μ S/cm

- 56.8

- 7mV

10 buffy read 10.18.219.2

81

FRL 95831400

|



19

15/9/09

Coombesbury 11.30

Depth @ B = 0.245

pH = 10.22 @ 20.7°C

GORE 1215

Depth @ C = 1.64_m

pH 8.73 @ 16.9°C

pushed up Key from Muckal
in *Sphaerium*

MORTISINUP 1430

Depth @ C = 1.70_m

pH 8.92 @ 17.2°C

very strong SW wind

SHIRK 3.45

Depth @ B = 2.41_m

pH = 8.35 @ 16.4°C

great water quality!

20

chuck hole 15/9/09

Black onion 1

Great Crested grebe x 2

mush duck x 16 + 2

Woe x 4

MH16 x 1

outrigger hen x 1

WARDEN 4.45

depth @ D = 2.39 m.

PH 8.54 @ 16.4°C

light West wind.

Wind yield 1700 hrs.

depth @ B = 1.72 m.

PH 8.54 @ 16.5°C

re fuel vehicle

shopping finish 1800 hrs.

Station 0730 16/9/09

ESP B 0715

depth @ A = 0.08

heavy overnight rain, track boggy.

pH Calibration

7-4

-57.5 mV/pH

-10 mV

buffer 4 read 4.00 @ 16.5°C

pH 3.99 @ 15.7°C

STATION 1200

depth @ A = 0.74

pH = 8.92 @ 17.1°C

pH Calibration

7-10

-65.6 mV/pH

-11 mV

buffer 10 read 10.28 @ 14.5°C

22

ME the Grand. 16/9/09
1345

depth @ A = 1.85m.

pH = 6.60 @ 18.0°C.

Spurk 1700 hrs.
Mungfrip

Start 0700 17/9/09

NPAR 0730

depth @ B measured 20cm

down to water depth = 0.80m.
water calm.

pH Calibration

7-10 buffer 7 = 12°C 10 = 16°C

-53.8 mV/pH

-13 mV

buffer 10 read 10.35 @ 15.2

pH = 9.95 @ 14.3°C

73

17/9/09

Yarloop Dry

Rungs Road Dry

KENT (last lake Bryde) dry.

Lake Bryde dry.

Altham 1315

depth @ A = 0.14 m.
30-40 km NW mid.

pH 7.84 @ 19.3°C

Temperature 14.30

depth @ B = 1.24 m.
very strong North wind, nice surf!
pH 8.30 @ 15.5°C

(24)

17/9/09

Carriacou 1515

depth @ C = 1.14 m

pH 8.94 @ 16.5 °C

Camelleroys 1600

depth @ B' = 0.98 m ≈

strong wind loose waves.

pH 8.26 @ 16.1 °C

DUMBLEYUNG 1650 hrs.

depth @ D = 0.62 m ≈

30-40 kts NW wind blowing.

pH 7.89 @ 16.6 °C

Spind Main 1800

re Subekh etc.

25

start 0700

18/9/09

Parhypering 0740

pH Calibration

7-10

-56.8 mV

-11 mV

buffer 10 read 10.21 @ 18.6°C

depth @ C = 1.32 m ≈

pH = 8.05 @ 11.8°C

FLAGSTAFF 0830

depth @ B = 0.58 m.

pH = 8.31 @ 11.9°C

100 BAST, 6. teal / phd. l. l. l. l. l. l. 150

MIRIPIN 0900

depth at (1 m) 0.7 ≈

pH 9.33 @ 13.8°C

both gauges in good condition.

18/9/04

Mortmain 0730
depth @ A = 0.60m.
pH 8.58 @ 12.8°C

Wexé Arthur 1000
depth @ A = 1.00m.
pH = 8.32 @ 14.3°C

TOWER RUNNING 1045
depth @ C = 3.38m ≈
pH 8.87 @ 14.4°C

WILD HORSE 1145
depth @ 2m 0.63m.
pH = 8.28 @ 17.2°C

Bourges Breuil (KULKILIA)
depth @ A = 0.20m 1240
litter grass bird collig.

pH 7.47 @ 16.9°C
Amisk Bourges Waterproof Paper 4:30 pm.

(27)

23/9/09

McLara

notes for Thursday O'Donoghue

data logger

items required

DOWN LOGS cable

surface spray.

McLara logger 1210

RB0059

depth 765mm 14814 counts

Bat Volts 570

lathings not replaced

more wood 15 knots - 18

McLara logger depth gauge depth
= 0.76 + 0.05m.

Gauge B = 0.76m.

28

23/9/09

NINE MILE

1322 hrs.

logon depth 0.505 mm

Boat Volts 591

1985 Cald pro

cal span 6.41A10875

Depth @ B = 0.470

logon physical depth 0.500 mm

29

93011366 Dick Smith soon.

PLIE 93094771

232A

PDA adoption

Harvey Norman. 93013311

Office works jumblebox
93018600

(30)

13/10/09

Start Bussis off 0815.

Cachero 1500

depth at B = 1.100 m.

fine sand mixed 15-18 l/tons.

log depth 1146 mm

Bar pellets 573

Cal. yrs 9943

open 6.38941097 $\mu\text{m}^2/\text{m}^3$

(31)

Handbags
13/10/09
downloaded logs J.K
1708 hours

Depth @ A =

MCHA 14/10/09 12:30
USB into port 2 (last left)

MCHA
get recorded data
loading data
Serial 9133

Block No. 2
appending data
most data being converted
into graphs.
export
- B6F

Darius 16/10/09
RB0075 14/30 hrs

log depth 730_m = 1503_{counts}

Butt bolts 567

cal zero 10146
cal span 6.70110838

Power board saved

numbers
writing not changed.
memory reset completed.

lake depth @ A = 4.56 m

33

Leave 0700 9/11/09

Pickup loads and take to
shed, install drain hose

take pickup into recovery gear
open shed office, check gph.

pick up office books etc.

talk with Yvonne. re gear.

buy load 16A

Report Beurlton 9.00a.

MAIN day.

LITS A = 0.33m 12.30pm.

Calibration

7-10 buffer

-57.6mV @ 24.30C

-16mV

buffer 10 read 10.07 @ 24.7°C

pH = 8.75 @ 24.7°C

314

TAAR 9/11/09

1.40 pm.

TAAN 1450 hrs

depth @ A = 0.1 m.

pH 7.88 @ 33.1°C

DULB 1515 hrs

depth @ B = 0.66 m.

pH 9.54 @ 31.5°C

WALB dry.

↓ 7. READ chicks + 1 adult day old.

Truck to Narvegin

fuel car, wash windows

finish 1700 hrs.

35

Start 0730 10/11/09

Yearling 0900
Depth $\Delta D = 0.89m$

Calibration WTM320
buffer 7.00 read 7.04 @ 19.9°C
7-10 slope
-56.8mV @ 21.7°C
-20mV

probe replaced

*1000 BAST

run probe
7-10 slope
-56.4mV
-7mV

buffer 10 read 10.13 @ 22.8°C

pH = 7.48 @ 22.2°C

36

10/11/07

BROWN
DRY.

WHITE WATER
DRY.

Beverly 1130 ho.

Depth @ (10) = 9.51 m

pH 7.99 @ 25.7°C

MEARS 1230

depth string and line 10m to
water from 1m marker - 60cm.

depth = 0.3m ≈
pH 7.67 @ 33.1°C

37

10/11/09

Workday DRY

Grind Lake King 1800 lbs.

Start 0800 11/11/09

ALIS not accurate errors
substant wrap on very hot day.

ATKINS 10:00 hrs.

depth @ A = 0.44 m. PHOTO
E = 1.44 ¹⁰⁰

Calibration WTW 320 25/11/09

7-10 mV

-58.9 mV @ 28.2 °C

-4 mV

buffer 10 read 9.96 @ 28.4 °C

pH 10.00 @ 25.7 °C

38

11/11/09

RONNIERUP

DRY 10.45 am

BENNETTS 11.30 am

depth @ A = 0.17 m.

PH 7.93 @ 29.8°C

Sed 1430

LBL of B = 0.03 m.

PH 8.28 @ 22.8°C

1.23 m measured 23 cm up from top of gauge board

NPAR 4.15

depth @ A = 0.61 m.

PH = 10.20 @ 25.1°C

Gravel Mangrove 1700 hrs.

Time 0730 12/11/09

ESP1 0830 start bird count
still, cloud.

arrived x 2

BWS 114 + 30 inc 2 x 50V

Sharp-tailed Sandpiper 10 + 6 + 7

Raptor on nest, 500 ft
spoke 7

Black-fronted Plover: 2 + 6

curlew sandpiper

3 x wedgetailed eagles.

Red Headed Duck x 2 + 6

Greenshank x 2 + 2 + 1 + 2

Mashed kapparing 1

2 Black Swans 4 x Egrets

#1 46 x 32

#2 45.8 x 32.8

1 + 2 x Chestnut teal flew in!

40

12/11/09

ESPIZ (CONT.)

Calibration W.T.W 320

7-10 days

-58.1 mV @ 24.4°C

-5 mV

buffer 10 read 10.05 @ 24.5°C

pH 8.06 @ 25.7°C

depth @ A = 0-16m.

Comollied group

DRY 81

GORE 1145

depth @ C = 1.48m

pH 8.77 @ 24.9°C

(41)

12/11/09

Wheatfield 1500 hrs.

depth @ B = 1.56m.

pH = 8.51 @ 25.6°C

STATION 1545

depth @ A = 0.58m.

pH = 8.25 @ 26.2°C

MTLG 1700

depth @ A = 1.63m.

pH = 6.99 @ 24.7°C

Finish 1800 hrs.

Start 0800 13/11/09

Warden: 0900
depth @ D = 2.2m.

Calibrate WTW 320

7-10

-59.0 mV @ 29.2°C

-3 mV

buffer 10 read 9.97 @ 29.4°C

pH 8.33 @ 25.8°C

Trashed probe in water = 8.30
Temp?

Shork Lake. 9.45

little grass tree valley
5 x little B C

2 x Great crested grebe
2+2+4+ Black Duck x 4 1 monthly

Swamp hen 2 valley
Loon x 4

great Egret x (+1) (2)

depth 2.79 m

2+ marsh Duck x 2 0+ 0+

marsh of S marsh Duck nest 1 egg
pine trees. Open pitfall 70m x 45m

Black Swan x 2 with 6 eggs

modi. water

3 x Swamphen nests finished

Swamphen nest with 3 eggs

near water side of farm boat ramp!

4th empty Swamphen nest 3m away

5th empty nest 5m from 4th

2 NO little grass tree nest + 3 RD

6th empty swamphen nest

side

marsh

N Weaver sparrows make

↳ grass bird

barrier on north west end

↳ north South landing

7TH swamper nest empty and?

missed duck egg found nearby

nearby

3x1 sparrow make SW corner

like bill Duck x 1 0 →

swamper nest near side

all empty dam - empty.

PH 8.61 @ 27.7°C

Wind 1150m.

(45)

ESP3 1250 13/11/09
depth @ A = 0.05m.

Calibration

7-4 slope. 7 buffer read 6.97 @ 32.7°C
57.2 @ 32.3°C
-5 mV

buffer 4 read 4.03 @ 37.3°C
pH = 3.70 @ 35.4°C

Mertzingen 3.45 pm.

depth @ C = 1.57m.

Calibration WTW 320 * failed 1st time
Slope 7-10

-61.6 mV @ 32.3°C
-5 mV

buffer 10 read 9.84 @ 32.3°C

pH 8.92 @ 28.6°C

Mertzingen Spix 1800

46

Munshing
date 10800
14/11/09

Crejicms 1330
depth @ B = 1.03m.

Calibration wt N 320

slope 7-10 7.00 buffer read 7.03 @ 24.9
-58.8mv @ 25.1°C
-8mv

buffer 10 read 10.02 @ 25.2°C
pH = 9.16 @ 25.1°C

Capacitance 1400 hrs
depth @ C = 0.90m
pH = 9.78 @ 28.3°C

Creomell ~~1445~~ 1445
depth at B = 0.80m

measures 20cm down from 1m mark.
pH = 7.80 @ 26.3°C

147

14/11/09

Dumbkeying 1545

depth @ D = 0.42 m.

pH 7.37 @ 28.1°C

Jinich Wagon 1730 hrs.

store Wagon 0800 15/11/09

Parkeying 0815

depth @ C = 1.14 m.

Calibration WTW 320

slope 7-10 buffer 7 read 6.95 @ 18.3°C

-57.0 mV @ 20.4°C

-5 mV

buffer 10 read 10.19 @ 20.5°C

pH = 8.23 @ 23.0°C

48
Flycatcher 0915 15/11/09

depth @ B = 0.39 m.
pH = 8.49 @ 21.5°C

Martins 0945
depth @ B = 0.39 m.
pH = 9.71 @ 22.2°C

Went to the 11.30
depth @ A = 0.79 m.
pH = 9.46 @ 24.8°C

TO Wharfedale 12.00
depth @ C = 3.03 m.
pH = 8.84 @ 27.0°C

Banyon 1330
depth @ A = 0.11 m.
Burred - remove loss from 1730.
Janish 1730

(49)

Star 0980

16/11/09

Flight from Brunetta Airport
over Vase and Wiggwong
Entwines. photos taken at
1000 ft. (no 2) photos made
along east / north edge and then
on south edge, only a few photos
taken along north edge.
15-18 / hour activity with
up and down.
Flight start 1015 - finish 1045.