ND001: Baselining Wetland Diversity in the Avon



ABP p\$1

Water Chemistry	
Site Code RBOYR Site name Bodallin Evap Basin	Date 18/9/06
Personnel BOS + MOS	
Max depth of wetland 0.87 m	

pН		357 [H ⁺]
Temperatur	re	
Conductivit	у	18.8 (°C) 76.2 mSm (1800) S9.7 ppt
DO	(TOP) (BOTTOM)	

	Check (✔)
125 mL water sample, filtered and frozen Nutrients	
250 mL water sample, acid-wash bottles, filtered Chem centre metals analysis	
mL water sample, acid-wash bottles, filtered DoW trace metals analysis	
500 mL water sample, unfiltered lonic composition	

CHLOROPHYLL

All samples to be placed in a snap-lock bag and refrigerated

and temples to be placed in a snap-tock bag and re	irigerated	
	Check (✓)	
Water column sample	1 🗸	ne filtered 550 mI
Benthic sample Place 2 drops of MgCO₃ with sample		•
Benthic sample - replicate No MgCO3	No b	enthic mats present

^{*}TOP measurements 15 cm below water surface *BOTTOM measurements ~ 8 cm above sediment



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ABP ØØ1

Hapmat F /	
Site Code RBOYR Site name Bodallin Europ Basin Date 18/9/06	_
Personnel BOS - MOS	
site details Evaporation pandy very atypical site, not a natural wetland,	
Surranded by parture	
Photo 1 bearing (facing wetland) roughly wast Location Location	
Photo 2 bearing (facing away from wetland) (roughly cost include fence dropper in foreground of each photo include fence dropper across wetland%	
May need up to 10 quadrats in 2	
Macrophyte sheet numbers — No macrophyte present Check (1)	
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calico bags No marchyte pricent	
Macrophyte species collected and photographed Press each specimen Preserve sample in 100% ethanol, store in large zip-lock bags	
Invertebrate 250 µm sample 50 m over 200 m, sweep sediments, all habitats Preserve in 100% ethanol, store in 2 L pot	
Zooplankton 50 μm sample 50 m over 200 m, DO NOT sweep sediments, all habitats Preserve in 4% formalin, store in 120 mL polycarb vials	
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), store in square vials	
Diatoms collected Scrape spoon across any obvious benthic mats, sticks, rocks, substrate and macrophytes Preserve in 4% formalin, store in McCartney vial	
Waterbird energies Abund Broods Weterbird energies Abund Broods	1

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
NONE					
			Total species	<u> </u>	



Water Chemistry ABPOOZ
Site Code ROSYR Site name Koorda-Bull Finch Rd Date 19-09-06
Personnel BOS & MOS
Max depth of wetland $25cm$
Max depth measured at ~ 30m off shore, uniform depth across online
wetland
DH 3.60 [H ⁺]
(
Conductivity 17.99 mScm-1 (48 m) 11.7 mt
DO (TOP) 81.5 (%) ppM
*TOP measurements 15 cm below water surface *BOTTOM measurements ~ 8 cm above sediment
Check (✓)
5 mL water sample, filtered and frozen Nutrients
250 mL water sample, acid-wash bottles, filtered Chem centre metals analysis
o mL water sample, acid-wash bottles, filtered DoW trace metals analysis
500 mL water sample, unfiltered lonic composition
CHLOROPHYLL All samples to be placed in a snap-lock bag and refrigerated Check (✓)
Water column sample Volume filtered Default = 500 mL
Benthic sample Place 2 drops of MgCO ₃ with sample
Benthic sample - replicate No MgCO ₃ with sample No MgCO ₃ No Denthic mate present



Habitat	ABP	$\phi\phi^2$			"W AU"
Site Code 22572 Site name	e Koorda-	Bullfingh	Rd	Date <u>A</u>	09-06
Personnel BOS + MOS	<u>-</u> >				
Site details Large, flat wetland	, substrate	untform	sand are	r clay through	mhout,
no habitat other than bare suk	١ , .				
Photo 1 bearing (facing wetland)	-		Fence dro	opper placed?	YES/NO
Include fence dropper in foreground of each p Macrophyte cover across wetland				i <u>@GPS</u>	<i></i>
May need up to 10 quadrats in 2 Sparse macrophyte 3 4 5		Water le Water le Water le Water le Water le	evel 2evel 3evel 4evel 4		
Macrophyte sheet numbers///	MACROPHYT	E Check (✓)			
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calico bag	gs	N S	NC) N	(ACROPH)	TF
Macrophyte species collected and photophyse sach specimen Preserve sample in 100% ethanol, store in lar					<u>-</u>
Invertebrate 250 μm sample 50 m over 200 m, sweep sediments, all habita Preserve in 100% ethanol, store in 2 L pot	ts				
Zooplankton 50 μm sample 50 m over 200 m, DO NOT sweep sediments, Preserve in 4% formalin, store in 120 mL poly			•		\$*************************************
$\begin{array}{c} \textbf{Phytoplankton 35} \; \mu \textbf{m sample} \\ \textbf{10} \; \textbf{m tow, all habitats} \\ \textbf{Preserve in 1.5} \; \textbf{mL Lugols (weak tea), store in} \end{array}$	n square vials				
Diatoms collected Scrape spoon across any obvious benthic masubstrate and macrophytes Preserve in 4% formalin, store in McCartney v		□ O			
Waterhird species Ahund Bro	oods Wate	rbird species	Abund.	Bro	ods

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
NONE					
			Total species		



ABP \$93

Water Chemistry	
Site Code RZZYR	Site name Compain Rd des Elarbolting Dain Date 19-09-06
Personnel BDS +	MOS
Max depth of wetland	
Max depth measured at \sim	SOn from water's edge (~100m from Percedryger
founds come of	SOn from water's edge (~100m from Percedagger) welland; depth unitorn throughout
рН	3.11 [H ⁺]
Temperature	<u>20.9</u> (°c)
Conductivity	9.61 nSc. 1 (100) 6.1 ppt
DO (TOP) (BOTTOM)	97, 6 (%)ppMppM
<u>L</u>	*TOP measurements 15 cm below water surface *BOTTOM measurements ~ 8 cm above sediment
	Check (✓)
125 mL water sample, filtere	
250 mL water sample, acid-	
o mL water sample, acid- DoW trace metals analysis	
500 mL water sample, unfilt	ered
CHLOROPHYLL All samples to be placed in a sna	
Water column sample	Check (*) Volume filtered Default = 500 mL
Benthic sample Place 2 drops of MgCO ₃ w	ith sample
Benthic sample - replicate No MgCO ₃	No Berthic mats



Habitat Ab	<i>7</i> 003
Site Code RAYR Site name Curb	In Rd ds Elachbulling Death Date 19-09-06
Personnel BOS + MOS	
Site details Shallow flat lake num	roons dead trees in wetland, steep
artificial bank and deep drain	n surranding wetland
Photo 1 bearing (facing wetland)	Fence dropper placed? YES NO Location 44 m from road, next to
Photo 2 bearing (facing away from wetland) Aclude fence dropper in foreground of each photo Macrophyte cover across wetland	tree String
Macrophyte height at quadrat 1 May need up to 10 quadrats in 2 Sparse macrophyte 3 4 5	Water level 1 Water level 2 Water level 3 Water level 4 Water level 5
Macrophyte sheet numbers MACRO	Check (V)
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calico bags	X 3 NO MACROPHYTE
Macrophyte species collected and photograph Press each specimen Preserve sample in 100% ethanol, store in large zip-lock	ned
vertebrate 250 μm sample 50 m over 200 m, sweep sediments, all habitats Preserve in 100% ethanol, store in 2 L pot	
$\begin{array}{c} \textbf{Zooplankton 50 } \mu \textbf{m sample} \\ \textbf{50 m over 200 m, DO NOT sweep sediments, all habitate} \\ \textbf{Preserve in 4\% formalin, store in 120 mL polycarb vials} \end{array}$	s
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), store in square vi	ials
Diatoms collected Scrape spoon across any obvious benthic mats, sticks, resubstrate and macrophytes Preserve in 4% formalin, store in McCartney vial	rocks,
Waterbird species Abund. Broods	Waterbird species Abund. Broods

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
NONE					
			Total species		



Water C	hemistry	Ale	31004			
Site Code	RI9YR	Site name	CORNISH	ROAD	Date	19-09-06
Personnel	BD5 \$	MDS				
Max depth of	wetland 30	cm				
Max depth m	easured at $_$ \sim	100m Towa	RDS CENTRE	OF CAKE FO	OM DR	OPPER.
(·						
рΗ		3-78	[H ⁺]			
Temperature	:	23.9	(°C)			
Conductivity		5410	(µS cm ⁻¹)	3.3	_ ppMT	
DO	(TOP) (BOTTOM)	105 103·8	(%) (%)		ppM ppM	
Nutri 250 mL water Cher O mL water Down 500 mL water	r sample, filteredients r sample, acid-we me centre metals analystr sample, acid-we // trace metals analysis r sample, unfilted composition	*BOTTOM m d and frozen vash bottles, filt is vash bottles, filt	Check (✔ ☑ tered ☑	em above sediment		
Water colum Benthic samp Place Benthic samp	n sample le 2 drops of MgCO3 wi	Ü	Check (✔	Volume filter Default = 500 NO BENTHIC MIT	mL	<u>50</u> mL

ND001: Baselining Wetland Diversity in the Avon



Habitat ABP	004 \\\ \tag{\partial}\ \\ \tag{\partial}\ \tag{\partial}\ \\ \tag{\partial}\ \\ \tag{\partial}\ \\ \tag{\partial}\ \\ \tag{\partial}\ \\ \tag{\partial}\ \\ \tag{\partial}\ \tag{\partial}\ \\ \tag{\partial}\ \tag{\partial}\ \\ \tag{\partial}\ \\ \tag{\partial}\ \\ \tag{\partial}\ \\ \tag{\partial}\ \\ \tag{\partial}\ \\ \tag{\partial}
·	d/S playa d/S Late Boun Date 19/9/06
Personnel BOS + MOS	1 0
Site details Shallow, Flat bottom, no fringing ve	g 1 sunb , dead trees surround undland, uniform
End over day substrate transplant, occasional	,
Photo 1 bearing (facing wetland)	Fence dropper placed? YES/NO Location 100m @ 2540 fram Car
oto 2 bearing (facing away from wetland) Include fence dropper in foreground of each photo Macrophyte cover across wetland	
May need up to 10 quadrats in 2 Sparse macrophyte 3 4 5	Water level 1 Water level 2 Water level 3 Water level 4 Water level 5
Macrophyte sheet numbers	Υ/TE Check (✓)
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calico bags	NO MACROPHYTE
Macrophyte species collected and photographed Press each specimen Preserve sample in 100% ethanol, store in large zip-lock bags	
Invertebrate 250 μm sample 50 m over 200 m, sweep sediments, all habitats Preserve in 100% ethanol, store in 2 L pot	
Zooplankton 50 μm sample 50 m over 200 m, DO NOT sweep sediments, all habitats Preserve in 4% formalin, store in 120 mL polycarb vials	
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), store in square vials	
Diatoms collected Scrape spoon across any obvious benthic mats, sticks, rocks,	

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
NONE					
			Total species		

substrate and macrophytes

Preserve in 4% formalin, store in McCartney vial



ABPØØ5

Site Code	2184R	Site name Lurdy Rd Playa Date 19-09-06
Personnel	BDS 9	MOS
Max depth of	wetland	2 cm
Max depth m	easured at $\stackrel{\sim}{}$	100m from ferce drapper, towards rentire of take
(bif		3.36 [H ⁺]
Temperature	2	.13.9 (°c)
Conductivity		209 mScm-1 (1800) OUT OF RANGE ppM
DO	(TOP)	23.1 (%) 2.1 ma/-1
	(воттом)	23.1 (%) 2.1 mg/-1 pp 1
		*TOP measurements 15 cm below water surface
		*BOTTOM measurements ~ 8 cm above sediment
125 mL water	r sample, filtere	Check (✓) ed and frozen
	ients r sample, acid-v	wash bottles, filtered
Che	m centre metals analys	wash bottles, filtered
DoV	V trace metals analysiser sample, unfilt	
	c composition	lered L
CHLOROPH All samples to		p-lock bag and refrigerated
Water colum	ın sample	Check (Volume filtered Default = 500 mL
Benthic sam	ple ce 2 drops of MgCO ₃ w	
Benthic sam	ple - replicate MgCO3	ith sample NO BENTHIC MATS



Habita	ıt		ABI	2005					
Site Code	RIBYR	Site	name	PURBY	RD	PLAYA		_ Date _	20-09-06
Personnel		5 4 8	365						
Site detail	s <u>SMAU</u>	SALINE	WETLAND	O NAR	ROW R	IPARIAN	veg	suledun	oth by crop on
80% (FSIDES R	EMMANT JE	4 other 2	20%.	Styclo	W; M	HABIT	AT DIJHE	SITY; SAND OVER
Photo 1 be	aring (facing	-	•			H	Fence dr Locatio	opper plac n <u>AbJ</u>	ed? YES/NO
	aring (facing and facing and faci								G (006H) ~ 15
	te cover acre			_ %			,	TOACK	المرام
May need Sparse ma	, ,	ats in 2 _ 3 _ 4 _ 5 _		O NT	Wa	ter level ter level ter level ter level ter level	4		12m@ 10° From (
Macrophy	te sheet nun	nbers	MACKO	NHA(F	Check (√)			
5 x 25 cm Macrophy Press each	rte biomass of square quadrat rte species con specimen sample in 100%	s, store in calid	l photograp		M M	? ?	10 A	MACR OP	4775
) m over	ate 250 μm s 200 m, sweep s n 100% ethanol	ediments, all h							
50 m over	ton 50 μm sa 200 m, DO NO n 4% formalin, s	Г sweep sedim							
10 m tow,	nkton 35 μm : all habitats n 1.5 mL Lugols	_	tore in square	vials	Z				
substrate	collected oon across any and macrophyte n 4% formalin, s	es		s, rocks,	I				
Water	bird species	Abund.	Broods	Waterb	ird spec	cies	Abund.		Broods
	ηE	1							

Total spēcies



Water Chemist	rv
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Site Code R17YR	Site name Doodlakaine Kumunogan Ad Date 20-9-06
Personnel BOS	+ MDS
Max depth of wetland	20cm
Max depth measured at	200m from force dapper toward cortro of wolland
Ca	3.62 [H ⁺]
p.H	10.0
Temperature	<u>/\$.8</u> (°c)
Conductivity	66.7 mScm. (180m) 50.9 pt
DO (TOP)	<u>59,0</u> (%) ppM
(воттом)	
	*TOP measurements 15 cm below water surface
	*BOTTOM measurements ~ 8 cm above sediment
	Check (✓)
125 mL water sample, fil Nutrients	tered and frozen
omL water sample, ac Chem centre metals	cid-wash bottles, filtered analysis
	eid-wash bottles, filtered
500 mL water sample, us	
ionic composition	
CHLOROPHYLL	onen lock hag and pefuiganated
An samples to be placed in a	snap-lock bag and refrigerated Check (✓)
Water column sample	Volume filtered 600 mL Default = 500 mL
Benthic sample Place 2 drops of Mg0	te NO BENTHIC MATS
Benthic sample - replica	te NO BENTHIC MATS



H	้ว	h	i	t	2	ł
	~				а	ı

Site Code R17 YR Site name DOODLAKINE	KUHUNOPPING RD Date 20-09-06
Personnel MOS + BDS	
Site details SIMILAR SAND ONER CLAY WELLAND	DE NO HABITAT DIVERSITY, FRING RIPARIAN
VER GIRROUNDED BY PASTURE YELLOW BIOFILM ON	SHOPE UNE PHOTOGRAPED. MINIMUM DETRITUS (40.012
Photo 1 bearing (facing wetland) 17	Fence dropper placed? YES/NO Location 120 m @ 300° FKOM
Photo Z bearing (facing away from wetland) 18 Include fence dropper in foreground of each photo acrophyte cover across wetland 0 %	19 YELLOW BITO FILM ON SHORE
Macrophyte height at quadrat 1	Water level 1
May need up to 10 quadrats in 2 Sparse macrophyte 3	Water level 2 Water level 3
4	Water level 4
Macrophyte sheet numbers	Water level 5 /
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calico bags	NO MACROPHYTE
Macrophyte species collected and photographed Press each specimen Preserve sample in 100% ethanol, store in large zip-lock bags	
Invertebrate 250 μm sample () m over 200 m, sweep sediments, all habitats Preserve in 100% ethanol, store in 2 L pot	
Zooplankton 50 μm sample 50 m over 200 m, DO NOT sweep sediments, all habitats Preserve in 4% formalin, store in 120 mL polycarb vials	
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), store in square vials	
Diatoms collected Scrape spoon across any obvious benthic mats, sticks, rocks, substrate and macrophytes Preserve in 4% formalin, store in McCartney vial	

Abund.	Broods	Waterbird species	Abund.	Broods
		Total enecies		
	Abund.	Abund. Broods		Abund. Broods Waterbird species Abund. Total species

ND001: Baselining Wetland Diversity in the Avon



	ARPOO.	7		,.
Water Chemist	try	,		
Site Code R31 YR	Site name Book	du Ski Lah	? I	Date 20-09-06
Personnel MOS -	BDS			
Max depth of wetland _				,
Max depth measured at	~ 100m unles edge	e, towards lake	contre (~ 200m A	on Public toiled)
рН	3.15	$[H^{\dagger}]$		
Temperature	23.6	(°C)		
Conductivity	1 ag, 000	(μS cm ⁻¹)	About UNER LIMIP	pM
DO (TOP) (BOTTOM)	17.4	(%) (%)	1.28 (mg/-) I	ppM ppM
	¥MO D			
			w water surface m above sediment	
125 mL water sample, fi	iltered and frozen	Check (✓)	
250 mL water sample, a		red 🔽		
Lo mL water sample , a DoW trace metals a	acid-wash bottles, filter	red 🔽		
500 mL water sample, unlike the sample of th	ınfiltered	V		
CHLOROPHYLL All samples to be placed in	a snap-lock bag and refrig	erated Check (√	·)	
Water column sample		V Check ()	Volume filtered Default = 500 mL	<u>800</u> mL

 $\begin{array}{c} \textbf{Benthic sample} \\ \textbf{Place 2 drops of MgCO}_3 \text{ with sample} \end{array}$

 $\begin{array}{c} \textbf{Benthic sample - replicate} \\ \textbf{No MgCO}_3 \end{array}$

NO BENTLIC MATS



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П	a	D	1	ι	a	ι

ABP \$\$7

Site Code R31YR	Site	name <u>B</u>	nder Ski Lake		Date <u>20-01-06</u>	
Personnel MOS +	BOS					
Site details wyder p	black organ	ic layer of	coose under thin I	ayer of s	and. Orange-red e	oppyde
Or algal waterial thras offstore # Photo 1-bearing (facing	ghout wetle	d collected	a photographed (ph	Fence droppe	ery had salt caust	<u>~ \$0</u> m (0)
Photo 2 bearing (facing Include fence dropper in for Macrophyte cover acro	oreground of ea	ach photo	_%	Sk	Stake Non "Welcon" Late " sign	
May need up to 10 quadra Sparse macrophyte	_	1 1 2 3 3	Water le Water le Water le Water le Water le	vel 2 vel 3 vel 4		
Macrophyte sheet nun	nbers <u>M</u>	MACROI	Check (🗸)			
Macrophyte biomass of 5 x 25 cm square quadrat		co bags	\begin{align*} \begin	No N	IACRO PHYTE	
Macrophyte species co Press each specimen Preserve sample in 100%						
Invertebrate 250 µm sa 50 m over 200 m, sweep s Preserve in 100% ethanol	ediments, all h		豆			
Zooplankton 50 μm sa 50 m over 200 m, DO NOT Preserve in 4% formalin, s	sweep sedim					\
Phytoplankton 35 μm s 10 m tow, all habitats Preserve in 1.5 mL Lugols	-	ore in square	vials			
Diatoms collected Scrape spoon across any substrate and macrophyte Preserve in 4% formalin, s	s		, rocks,			
Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods	

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
NONE					
		-	Total species		





Water Chemistry		
Site Code 1101	Site name Lockhat River	- Kwolyn Hill Date 20-9-00
Personnel BDS 4	MOS	
Max depth of wetland		
Max depth measured at	astrom of bridge	, dept @ gauge
pH (Temperature	S,64 [H ⁺] 20,2 (°C)	
Conductivity	6. 95 m Scm. 1 (115 ent)	4.3pt -pp4
DO (TOP) (BOTTOM)	E3 error (%)	ppM ppM
	*TOP measurements 15 cm belo *BOTTOM measurements ~ 8 c	cm above sediment
125 mL water sample, filtered Nutrients		
250 mL water sample, acid-w Chem centre metals analysi	rash bottles, filtered	
o mL water sample, acid-w DoW trace metals analysis	ash bottles, filtered	
500 mL water sample, unfilted lonic composition	ered	
CHLOROPHYLL All samples to be placed in a snap-	-lock bag and refrigerated Check (✔	
Water column sample		Volume filtered mL Default = 500 mL
Benthic sample Place 2 drops of MgCO ₃ wit	h sample	7
Benthic sample - replicate No MgCO ₃		S NO BENTHIC MATS

ND001: Baselining Wetland Diversity in the Avon



Habitat ABPOO8	
Site Code LL\$1 Site name KWOLYIN HILL (LOCKHART R) Date 20-09-06	
Personnel MDS + BDS . NOT A WETLAND BUT RIVERINE ADD TO A BRIDGE H	SIR
Site details AND GAUGING STATION SAMPLED UPSTREAM. CONSTRUCTION RUBLE (BOYLDERS) D	<u>um</u> les)
Photo 2 bearing (facing away from wetland) Include fence dropper in foreground of each photo Macrophyte cover across wetland May need up to 10 quadrats in Sparse macrophyte YES/NO Water level 1 Water level 2 Sparse macrophyte Water level 4 Water level 5	
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calico bags Macrophyte species collected and photographed Press each specimen Preserve sample in 100% ethanol, store in large zip-lock bags	
Invertebrate 250 μm sample 50 m over 200 m, sweep sediments, all habitats Preserve in 100% ethanol, store in 2 L pot Zooplankton 50 μm sample 50 m over 200 m, DO NOT sweep sediments, all habitats Preserve in 4% formalin, store in 120 mL polycarb vials	0
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), store in square vials Diatoms collected Scrape spoon across any obvious benthic mats, sticks, rocks, substrate and macrophytes Preserve in 4% formalin, store in McCartney vial	
Waterbird species Abund. Broods Waterbird species Abund. Broods	

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
NOHE					
			Total species		



ABP 9009

V	V	ate	· Ch	emis	stry
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Site Code RIZEM Site name TRAYNING RD Date 21 -09-0	<u>6</u>
Personnel MDS & BDS (ACTUALLY FLEMING RD)	
Max depth of wetland 9cm	
Max depth measured at CENTRE OF WETLAND	
NOTE: WETLAND ONLY 100M X 130M MAX	
Tymperature 17.7 (°C)	
Conductivity 117800 (µS cm-1) ABOVE UPPER ppM	
DO (TOP) 102.5 (%) ppM Mg/L+	
*TOP measurements 15 cm below water surface *BOTTOM measurements ~ 8 cm above sediment	
Check () 125 mL water sample, filtered and frozen Nutrients	
250 mL water sample, acid-wash bottles, filtered Chem centre metals analysis	
o mL water sample, acid-wash bottles, filtered DoW trace metals analysis	
500 mL water sample, unfiltered lonic composition	
CHLOROPHYLL All samples to be placed in a snap-lock bag and refrigerated Check ()	
Water column sample Volume filtered 800 mL Default = 500 mL	
Benthic sample Place 2 drops of MgCO ₃ with sample	
Place 2 drops of MgCO ₃ with sample Benthic sample - replicate No MgCO ₃ No MgCO ₃	

ND001: Baselining Wetland Diversity in the Avon



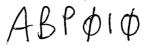
** 1 °		Λ	QP MAG		AN AUS
Habitat		M	or per 1		·
Site Code RIZEM	Site 1	name <u>ly</u>	-ayning Rd	Date	21-09-06
Personnel BDS	+ MD	<u>S</u>	<i></i>		
Site details Very shall	low ~ 1	Ocm & n	100m x 130m wx	de. Sm wie	de buffer melelegra
brokilm on margin	fen dead	tros N	lininal habitat dire	exity Sand/sill-	ore day, Yellow
Photo 1 bearing (facing v Photo 2 bearing (facing a clude fence dropper in fo Macrophyte cover acro	way from w	ach photo	7 7 _%	Fence dropper pla Location 7m 6	
Asy need up to 10 quadrate Sparse macrophyte			Water leve Water leve Water leve Water leve	el 2 el 3 el 4	
Macrophyte sheet num	lbers <u>V</u> () MAC	LOPHYTE Check (✓)		
Macrophyte biomass co 5 x 25 cm square quadrats		o bags		NO MACA	COPHYTE
Macrophyte species col Press each specimen Preserve sample in 100% of					
vertebrate 250 μm sa 50 m over 200 m, sweep se Preserve in 100% ethanol,	ediments, all h				
7 oplankton 50 μm sar) m over 200 m, DO NOT Preserve in 4% formalin, st	sweep sedim				
Phytoplankton 35 μm s 10 m tow, all habitats Preserve in 1.5 mL Lugols	-	ore in square	vials		
Diatoms collected Scrape spoon across any of substrate and macrophytes Preserve in 4% formalin, st	3		, rocks,		
Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
INONE					

Total species



100 did

ABT WI W
Water Chemistry
Site Code RISEM Site name Lackman Rd Date 21-09-06
Personnel BOS + MOS
Max depth of wetland $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$
Max depth measured at ~ 50m towns centre of wetland from fence
dropper
<u>3,55</u> [H ⁺]
Temperature
Conductivity 207mScm-1 (HS-em-) ABOVE LIMIT PPM
DO (TOP) 23.1% (E7)(%) 179mg1.1(E1)ppM (BOTTOM) (%) ppM
(воттом)(%)ррМ
*TOP measurements 15 cm below water surface *BOTTOM measurements ~ 8 cm above sediment
Check (✓)
125 mL water sample, filtered and frozen Nutrients
250 mL water sample, acid-wash bottles, filtered Chem centre metals analysis
mL water sample, acid-wash bottles, filtered
500 mL water sample, unfiltered
Ionic composition
CHLOROPHYLL
All samples to be placed in a snap-lock bag and refrigerated Check ()
Water column sample Volume filtered 550 mL Default = 500 mL
Benthic sample Place 2 drops of MgCO ₃ with sample
Benthic sample - replicate No MgCO ₃





Habitat

Site Code KBEM Site name LACKI	AH KD Date 21-09-06
Personnel MDS & BD5	
Site details SHALLOW SALINE WETLAND; SALT	CRUST OVER SAND OVER CLAY & BLACK
DEGADICS WATER RECEDED FROM SHORE	CIDE MINIMUM RIPARIAN MINIMUM HABITAT
r noto i bearing (tacing wettand)	Fence dropper placed? YES/NO DIVERSA
Photo 2 bearing (facing away from wetland) 29 Include fence dropper in foreground of each photo Macrophyte cover across wetland%	BENTHIC Location
crophyte height at quadrat 1 May need up to 10 quadrats in 2 Sparse macrophyte 3 4 5	Water level 1 Water level 2 Water level 3 Water level 4 Water level 5
Macrophyte sheet numbers	Check (✓)
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calico bags Macrophyte species collected and photographed Press each specimen Preserve sample in 100% ethanol, store in large zip-lock bags	NO MACROPHYTE
Invertebrate 250 μm sample 50 m over 200 m, sweep sediments, all habitats Preserve in 100% ethanol, store in 2 L pot	
50 m over 200 m, DO NOT sweep sediments, all habitats Preserve in 4% formalin, store in 120 mL polycarb vials	
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), store in square vials	
Diatoms collected Scrape spoon across any obvious benthic mats, sticks, rocks, substrate and macrophytes Preserve in 4% formalin, store in McCartney vial	

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
NONE					
			T-4-1		
•			Total species		



Habitat		AB	6P020 smj 19/71	07	
Site Code RGNM	Site	name			Date 22-6-09
Personnel J. Co.	CKING +	HB	ARRON		
Site details			Marcan		
Photo 1 bearing (facing	wetland)	14			per placed? YES/NO
Photo 2 bearing (facing Include fence dropper in formacrophyte cover across	oreground of	each photo		Location <u>o</u>	sed carring 1000
Nacrophyte height at a lay need up to 10 quadra Sparse macrophyte	ats in 2		_ Water Water Water	level 1 level 2 level 3	
Macrophyte sheet num	5.		_ water	level 5	
Macrophyte biomass of 5 x 25 cm square quadrate		ico bags		AL	
Macrophyte species co Press each specimen Preserve sample in 100%		-			
Invertebrate 250 µm ss 50 m over 200 m, sweep s Preserve in 100% ethanol Zoplankton 50 µm sa	sediments, all , store in 2 L				
J m over 200 m, DO NO Preserve in 4% formalin, s					
Phytoplankton 35 μm : 10 m tow, all habitats Preserve in 1.5 mL Lugols	•	store in square	e vials		
Diatoms collected Scrape spoon across any substrate and macrophyte Preserve in 4% formalin, s	s		s, rocks,		
Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
NONE OBSER	VEO.				

Total species



ABP020 SMJ 19/07

Water	Ch	emi	strv

Site Code R6NM	Site name		Date _	22-6-09
Personnel J cock N	C + H. BARRON		-	
Max depth of wetland				
Max depth measured at	1100LE (see	dieg rem)		
pН	4·28 [H ⁺]			(
/ mperature	(°C)			
Conductivity	61.2 m sc	m-1) 30.	7 pp®7	-
DO <u>(TOP)</u> (BOTTOM)	<u>93.)</u> (%)	8.4	7 ppM ppM	
(BOITOM)	(/0)		ppwi	
		5 cm below water surface ents ~ 8 cm above sedim		
	Ch	neck (√)		
125 mL water sample, filtere				
250 mL water sample, acid-v				
250 mL water sample, acid-v DoW trace metals analysis	vash bottles, filtered			
500 mL water sample, unfilt				
terne compound.		_		
CHLOROPHYLL All samples to be placed in a snap				
Water column sample	Ch		Intereu	00 mL
Benthic sample Place 2 drops of MgCO ₃ wi	ith sample	Default	= 500 mL	
Benthic sample - replicate No MgCO ₃	****			

ND001: Baselining Wetland Diversity in the Avon



< 101 /

Habitat	H	SPOIS SMJ	19/7/07		W 40°
Site Code <u>R5NM</u>	Site	name		Date	22-9-06
Personnel HJB					
Site details Site is	very #	shallow, i	no macephytes. Wil	1 be dry in ser	veral
days.			•		
Photo 1 bearing (facing	wetland)	7 NIK	0N	Fence dropper pla	ced? YES NO
Photo 2 bearing (facing Include fence dropper in Macrophyte cover act crophyte height at May need up to 10 quadr parse macrophyte	foreground of coss wetland quadrat 1	each photo	% Water le Water le Water le Water le Water le	1	ced? (YES)NO of lat-long by g taken on road, dose to trees).
Macrophyte sheet nur	mbers	1	***************************************		
Macrophyte biomass 5 x 25 cm square quadra		ico bags	Check (✓)		
Macrophyte species c Press each specimen Preserve sample in 100%					
Invertebrate 250 μm s 50 m over 200 m, sweep Preserve in 100% ethano oplankton 50 μm sa 50 m over 200 m, DO NO	sediments, all l, store in 2 L _l ample	oot	tats $\sqrt{}$		
reserve in 4% formalin, Phytoplankton 35 μm 10 m tow, all habitats Preserve in 1.5 mL Lugol	store in 120 m sample	L polycarb via	ls 🗸		
Diatoms collected Scrape spoon across any substrate and macrophyte Preserve in 4% formalin,	es		s, rocks,		
Waterbird species NoNせ	Abund.	Broods	Waterbird species	Abund.	Broods
•					

Total species



ABPO19 SMJ 19/7/07

Site Code	R5NM	Site name			Date <u>22</u> -	9-06
Personnel	HJB J	52				
	f wetland	-				
Max depth m	neasured at	NE of mic	ldle see ma	ρ		
pН		7.28	[H ⁺]			
mperature	e	<u> </u>	(°C)			
Conductivity	•	156.9	m5 (µæcm⁻¹)	74.4	ppM	
DO	(TOP) (BOTTOM)	81.9	(%) (%)	7.40	ppM ppM	
		*TOD moogu	rements 15 cm below	votov ovyfo oo		
			neasurements ~ 8 cm :			
	r sample, filte ients	red and frozen	Check (√)			
	r sample, acid	-wash bottles, fil	ltered 🗸			
mL wate	r sample, acid V trace metals analy	-wash bottles, fil	ltered 🗸			
	er sample, unfi c composition	ltered	\Box			
CHLOROPHY All samples to l		ap-lock bag and ref	rigerated Check (✔)			
Water colum	n sample			Volume filter Default = 500		mL
Benthic samp	ple e 2 drops of MgCO₃	with sample	\square			
	ple - replicate MgCO ₃					

ND001: Baselining Wetland Diversity in the Avon



Habitat	ABP018	SmJ 19/7/07		
Site Code R4NM	Site name		Date _ 21 -	9-06
Personnel HJB 3	JSC + 40D	The second secon		
Site details				
Photo 1 bearing (facing	wetland) NIKON 001		Fence dropper placed? Location	YE (NO)
Photo 2 bearing (facing Include fence dropper in the Macrophyte cover acr	foreground of each photo			
Lacrophyte height at lay need up to 10 quadra Sparse macrophyte	quadrat 1 Q ats in 2 3 4 5 5	Water le Water le	evel 1 O evel 2 evel 3 evel 4 evel 5	
Macrophyte sheet nur	nbers	Check (✓)		
Macrophyte biomass o 5 x 25 cm square quadra		Check (V)		
Macrophyte species co Press each specimen Preserve sample in 100%	ollected and photogra	بحر		
Invertebrate 250 µm s 50 m over 200 m, sweep s Preserve in 100% ethano	sediments, all habitats	Ø		
	a mple T sweep sediments, all hab store in 120 mL polycarb vi			
Phytoplankton 35 μm 10 m tow, all habitats Preserve in 1.5 mL Lugols	sample s (weak tea), store in squar	re vials		
Diatoms collected Scrape spoon across any substrate and macrophyte Preserve in 4% formalin, s		ks, rocks,		
Waterbird species	Abund. Broods	Waterbird species	Abund. Broo	ods
NONE				

Total species



	ABP OIR SMJ 19	17/07		JA AUS	
Water Chemistry				ate <u>21-9-06</u> .	
Site Code RUNM	Site name		D	ate	
Personnel HSB づらし					
Max depth of wetland	o cm				
Max depth measured at/	Middle				_
рН	7·53 [H ⁺]				
mperature	(°C)				
Conductivity	<u>(0314) MS</u> (μse	m') <u>51</u>	9 pp+ p1	oM−	
DO (TOP) (BOTTOM)	<u>94.0</u> (%)		7\ 75 p	pM pM	
	*TOP measurements 1 *BOTTOM measureme				
125 mL water sample, filtere		neck (√)			
Nutrients 250 mL water sample, acid-v					
Chem centre metals analys	sis				(
ComL water sample, acid-v DoW trace metals analysis					
500 mL water sample, unfilt lonic composition	ered				
CHLOROPHYLL All samples to be placed in a snap					
	Cł	neck (√) V	olume filtered	62 <u>5</u> mL	
Water column sample			Default = 500 mL		
Benthic sample Place 2 drops of MgCO ₃ w	ith sample	M		\cap	
Benthic sample - replicate No MgCO $_3$		Jacht,	to do du	e to filter paper.	•



Habitat ABPOTT	2
Site Code Y/6 Site name Beverly	Ski Lake Date 26-09-06
Personnel BOS + MOS	
Site details Active Ski lake, Super-as	burdence of Ostacoda washed
up on shore ten dead trees	On Margh
Photo 1 building (facing wetland)	Fence dropper placed?
Photo 2 bearing (facing away from wetland) Include fence dropper in foreground of each photo	Location Photo lake & SIGN
Macrophyte cover across wetland%	
Macrophyte height at quadrat 1 1ay need up to 10 quadrats in Sparse macrophyte 3 10 10 10 10 10 10 10 10 10	Water level 1 30cm Water level 2 30cm Water level 3 50cm Water level 4 50cm Water level 5 50cm
Macrophyte sheet numbers $\frac{5}{2}$ $\frac{7}{6}$ $\frac{7}{2}$ $\frac{6}{2}$ $\frac{1}{2}$	
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calico bags	
Macrophyte species collected and photographed Press each specimen Preserve sample in 100% ethanol, store in large zip-lock bags	
Invertebrate 250 μm sample 50 m over 200 m, sweep sediments, all habitats Preserve in 100% ethanol, store in 2 L pot	
7 oplankton 50 μm sample J m over 200 m, DO NOT sweep sediments, all habitats Preserve in 4% formalin, store in 120 mL polycarb vials	
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), store in square vials	
Diatoms collected Scrape spoon across any obvious benthic mats, sticks, rocks, substrate and macrophytes Preserve in 4% formalin, store in McCartney vial	

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
Grey Teal	50				
Silver anll	5				
Shellduck	12				
Wasal duck					
Black-Kented dotterel	1				
		,	Total species	5	



Water Chemistry	ABI	2017			
Site Code YY6	Site name	SKI LAKE		Date 26.09.06	
Personnel MDS B	08				
Max depth of wetland	-35				
Max depth measured at	SEPTY GAUGE				
рН	9-32	_ [H ⁺]			
7. nperature	19.5	_(°C)			
Conductivity	46400	_ (μS cm ⁻¹)	33-7	_ ppMT	
DO (TOP) (BOTTOM)	137.6 166-3	(%) (%)	14-71	ppM ppM ng(&	
		ements 15 cm below v easurements ~ 8 cm a			
		Check (🗸)			
125 mL water sample, filtere Nutrients	ed and frozen	\square			
250 mL water sample, acid- Chem centre metals analy		ered			
250 mL water sample, acid- DoW trace metals analysis		ered 🔽			
500 mL water sample, unfilt	tered	ď			
CHLOROPHYLL All samples to be placed in a snap	p-lock bag and refr	igerated Check (✓)		0.5-	
Water column sample			Volume filte Default = 500		
Benthic sample Place 2 drops of MgCO ₃ w	ith sample	X			
Benthic sample - replicate No MgCO ₃		Ø			



Habitat		ABPC	016				
Site Code	Site	name Wes	tern Share	Channel	Lates	Date _	26/09/06
Personnel BOS +	MOS						
Site details Lage, "	deep" lak	e; sandb	or breaking a	ill a i	couple of	smalle	lakes ; very low-
lying scrub fringing	late; ~	50 m wid	e riparians	tripon	western	boder	of lake
Photo 1 bearing (facing		47			Fence drop	per place	/ ' ' ' .
Photo 2 hearing (facing a lnclude fence dropper in for .crophyte cover acro	oreground of e	ach photo	48 _%			Rom	car
Lacrophyte height at of 14ay need up to 10 quadra Sparse macrophyte			W W W	ater leve ater leve ater leve ater leve	12		
Macrophyte sheet nun	nbers <u>NO</u>	MACR	OPIYTE Check	: (✓)			
Macrophyte biomass c 5 x 25 cm square quadrat		o bags	E	7	NO	MACI	2004YTF
Macrophyte species co Press each specimen Preserve sample in 100%			خر	r 5	, • =	, ,,,	
Jevertebrate 250 μm sa J m over 200 m, sweep s Preserve in 100% ethanol	ediments, all h		L	Y			
Zooplankton 50 μm sat 3 m over 200 m, DO NOT Preserve in 4% formalin, s	sweep sedim			Y			
Phytoplankton 35 μm s 10 m tow, all habitats Preserve in 1.5 mL Lugols	•	ore in square v	vials	ľ			
Diatoms collected Scrape spoon across any substrate and macrophyte Preserve in 4% formalin, s	S		rocks,				
Waterbird species	Abund.	Broods	Waterbird sp	ecies	Abund.		Broods

	Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
	PBD	l l	0			
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
έ.						
				Total species		



Water Chemistry ABPOLO
Site Code YY Site name Western Store Channel Lakes Date 26/09/06
Personnel BDS + MDS
Max depth of wetland Soco
Max depth measured at ~50-100 m off "Share" of lage lake
7.75 [H ⁺]
7 nperature
Conductivity \(\frac{160,600}{100} \) (\(\mu \) S cm ⁻¹ \)
DO (TOP) 300 (F7error) (%) 28.1m/- (F7arar) PPM (BOTTOM) 258 (") (%) 23.3m/- (") PPM
*TOP measurements 15 cm below water surface *BOTTOM measurements ~ 8 cm above sediment
Check (✓)
125 mL water sample, filtered and frozen Nutrients
Chem centre metals analysis
250 mL water sample, acid-wash bottles, filtered DoW trace metals analysis
500 mL water sample, unfiltered lonic composition
CHLOROPHYLL All samples to be placed in a snap-lock bag and refrigerated Check (✓)
Water column sample Volume filtered Default = 500 mL
Benthic sample Place 2 drops of MgCO ₃ with sample
Benthic sample - replicate No MgCO ₃ with sample No MgCO ₃ No MgCO ₃

ND001: Baselining Wetland Diversity in the Avon



Habitat	ABROIS		Λ,γ	VA.
Site Code YY8 Si	ite name		Date <u>26-09-0</u>	<u> </u>
Personnel MW BW				
Site details SMALL WETCHED 14	SYSTEM PASTURE ON C	THE SIDE ; OTHER	WETLANDS ON OTHER;	ENIPERCE
OF ALGAL BLOOM OF MARGIN	,		,	\sim 1
Photo 1 bearing (facing wetland) Photo 2 bearing (facing away from Include fence dropper in foreground Macrophyte cover across wetland)	m wetland) 45 of each photo	Loca	e dropper placed? YE tion EXISTING FENCE AT & MACROPHYTE	S/NO POST
Sparse macrophyte	2 4 CM 3 4 CM 4 4 CM 5 4 CM	Water level 1 Water level 2 Water level 3 Water level 4 Water level 5	9 cm 9 cm 9 cm	
Macrophyte sheet numbers		heck (✓)	0	V
Macrophyte biomass collected 5 x 25 cm square quadrats, store in o		过	BUT LAKEBED 1 THAN OTHER OCCAPIC (
Macrophyte species collected a Press each specimen Preserve sample in 100% ethanol, st		回	SAMPLED PREVIOUS. S OF RIPARIAN ON PA	
Invertebrate 250 μm sample 50 m over 200 m, sweep sediments, Preserve in 100% ethanol, store in 2				
oplankton 50 μm sample 30 m over 200 m, DO NOT sweep se Preserve in 4% formalin, store in 120	diments, all habitats mL polycarb vials			
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), store in square vials	回		
Diatoms collected Scrape spoon across any obvious be substrate and macrophytes Preserve in 4% formalin, store in Mcd		d		
Waterhird species Ahund	Broods Waterbin	d spacies Abun	d Broods	

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
GOLY TEAL.	13				
SHELL DUCK	i				
SILVER GULL	Ī				
1					
		-	Total species		



Water Chemistry ABPOIS	
Site Code Site name	Date 26-09-06
Personnel BOS) MOS	
Max depth of wetland	
Max depth measured at M Centre of lake	
	
рн <u>7.92 [н</u> ⁺]	
Conductivity $26,900 \text{ (}\mu\text{S cm}^{-1}\text{)}$ $18.2\rho\rho^{+}$	- Padd
DO (TOP) 67, 5 (%) 6.7 mg/-(_ ppM
*TOP measurements 15 cm below water surface	
*BOTTOM measurements ~ 8 cm above sediment	
Check (✓) 125 mL water sample, filtered and frozen Nutrients	
250 mL water sample, acid-wash bottles, filtered Chem centre metals analysis	
o mL water sample, acid-wash bottles, filtered DoW trace metals analysis	
500 mL water sample, unfiltered lonic composition	
CHLOROPHYLL All samples to be placed in a snap-lock bag and refrigerated Check (✓)	
Water column sample Volume filtere Default = 500 m	ed <u>800</u> mL
D 11:	
Benthic sample - replicate No MgCO ₃ No MgCO ₃	WTHIC MATS



Habitat		"W AU"			
Site Code YY()	Site	name		Date _	25-09-06
Personnel BOS .		5			
Site details		, (dady, Smill amour	d of ripon	veg fringing,
numerous dead +	100) in	water			
Photo 1 bearing (facing where Photo 2 bearing (facing a linclude fence dropper in formacrophyte cover across	away from woreground of e	ach photo	<u>3</u> _%	Fence dropper place Location APS &	ced? SENO holes taken from "Stepping-Stone" jette
crophyte height at of lay need up to 10 quadra Sparse macrophyte	ts in 2 _ 3 _ 4 _ 5		Water leve Water leve Water leve Water leve	el 2 el 3 el 4	
Macrophyte sheet nun	nbers/\	10 WEG	Check (V)		
Macrophyte biomass c 5 x 25 cm square quadrate Macrophyte species co Press each specimen Preserve sample in 100%	s, store in calid	photograp	hed D	NO MAGRO	PHYTE
Invertebrate 250 μm sa 50 m over 200 m, sweep s Preserve in 100% ethanol	ediments, all h				
oplankton 50 μm sat J m over 200 m, DO NOT Preserve in 4% formalin, s	sweep sedim				
Phytoplankton 35 μm s 10 m tow, all habitats Preserve in 1.5 mL Lugols	_	tore in square	vials		
Diatoms collected Scrape spoon across any substrate and macrophyte Preserve in 4% formalin, s	S		, rocks,		
Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
COCH TEM	00				1

	Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
	GREY TEAL	90	0			
	Shellduck	4				
Sec.				Total species		



Water Chemistry	ABPC	14			
Site Code $YYI\phi$	Site name			Date 25-09-0	06
Personnel MIS	DS				·····
Max depth of wetland70)				
Max depth measured at	150 FROM BEAR	СН			
рН	8·75 [F	$\mathbf{H}^{+}]$			
i nperature	20.5 (°	°C)			
Conductivity	28500 (p	uS cm ⁻¹)	Sal 19-7	_ ppMc	
DO (TOP) (BOTTOM)		%) %)		ppM ppM	
	*TOP measuremen *BOTTOM measur				
		Check (✓)			
125 mL water sample, filtered Nutrients	l and frozen	o j			
250 mL water sample, acid-w Chem centre metals analysi		d 🗹			
) mL water sample, acid-w DoW trace metals analysis	ash bottles, filtere	d 🗹			
500 mL water sample, unfilted lonic composition	ered				
CHLOROPHYLL All samples to be placed in a snap-	-lock bag and refriger	ated Check (✔)		,	
Water column sample			Volume filter Default = 500 r		L
Benthic sample Place 2 drops of MgCO ₃ with	n sample		No MATS		
Benthic sample - replicate No MgCO ₃			MO LIVID		



Habitat	ABP013			
Site Code 12 Site	name Lake	Yengenning	Date 25/0	1/06
Personnel BOS + MD	5			
Site details Surrounded by	pasture. Rimm	ed by veg	etated send dure a	withde
Oldined basin. Few dood t	rees in water	. Ripaian in	good condition	
Photo 1 bearing (facing wetland)	40		Fence dropper placed? (Location 180m@ OW)	YESYNO
Photo 2 bearing (facing away from we include fence dropper in foreground of e Macrophyte cover across wetland	ach photo		ten ca-	18 mape
Macrophyte height at quadrat 1		Water leve Water leve Water leve Water leve	12	
Macrophyte sheet numbers N_{ℓ}) MACLOP	リケフト Check (イ)		
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calle	co bags	X 3	NO MACROPHYT	E
Macrophyte species collected and Press each specimen Preserve sample in 100% ethanol, store			·	
Invertebrate 250 μm sample 50 m over 200 m, sweep sediments, all h reserve in 100% ethanol, store in 2 L p				
oplankton 50 μm sample 50 m over 200 m, DO NOT sweep sedim Preserve in 4% formalin, store in 120 ml				
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), s	tore in square vials			
Diatoms collected Scrape spoon across any obvious benth substrate and macrophytes Preserve in 4% formalin, store in McCar				

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
aly ten	207				
Shellowck	25	0			
Ped-reduct Avoat	80				
Blade-would Stilt	3				
		- =	Total species	4	



ABPO13

V	V	ato	er	Ch	em	is	try

Site Code YL 1	Site name	LAKE	YENYEHHING	Date 25-09-	-06
Personnel MDS	305			0-11	·····
Max depth of wetland	27cm				
Max depth measured at	CENTRE WETL	AND			
C.	8-11	_[H ⁺]			
nperature	22.4	_(°C)			
Conductivity	84400	_ (μS cm ⁻¹)	·	ppM	
DO (TOP) (BOTTOM)	127	_ (%) (%)	10-26	_ ppM mg/G-	
(2.2.2.2)	1 20 120	_ (/0)	10.0	PPA mg/A	
*TOP measurements 15 cm below water surface *BOTTOM measurements ~ 8 cm above sediment					
		Check (√)		
125 mL water sample, filtered and frozen Nutrients					
250 mL water sample, acid-wash bottles, filtered Chem centre metals analysis					
250 mL water sample, acid-wash bottles, filtered DoW trace metals analysis					
500 mL water sample, unfiltered lonic composition					
CHLOROPHYLL All samples to be placed in a sr	nap-lock bag and refrig				
Water column sample Check (*) Volume filtered 750 mL					
Benthic sample		M M	Default = 500	mL	
Place 2 drops of MgCO ₃ Benthic sample - replicate No MgCO ₃	3 with sample] NO BENTHIC	MAT.	

ND001: Baselining Wetland Diversity in the Avon



Habitat	AB	SP012			
Site Code <u>22NM</u>	Site	name <u>Dov</u>	verih- Kalannie	Rd Dat	e <u>22-09-06</u>
Personnel BDS	+ MC)S			
Site details 80-100	n diame	ter circ	cula lake. Homogen.	ears sand o	ver clay substrate
No habitat divers welland Large Photo 1-bearing (facing # Photo 2-bearing (facing	wetland)away from v	vetland)	y vea Small Si Poek-hand salt — 39	Vabs & a legar in Centre Fence dropper p Location Parts	
Include fence dropper in f Macrophyte cover acr	-		%		
Crophyte height at May need up to 10 quadra Sparse macrophyte			Water lev Water lev Water lev Water lev Water lev	vel 2 vel 3 vel 4	
Macrophyte sheet num		VO P	NACROPHY 71 Check (*)		
Macrophyte biomass of 5 x 25 cm square quadrate		co bags) > No M	ACROPHYTE
Macrophyte species co Press each specimen Preserve sample in 100%			– – – –		merchan (E)
Invertebrate 250 µm s 50 m over 200 m, sweep s Preserve in 100% ethanol	ediments, all h				
Συορlankton 50 μm sa 50 m over 200 m, DO NO Preserve in 4% formalin, s	Г sweep sedim				
Phytoplankton 35 μm : 10 m tow, all habitats Preserve in 1.5 mL Lugols	-	ore in square	vials		
Diatoms collected Scrape spoon across any substrate and macrophyte Preserve in 4% formalin, s	s		, rocks,		
Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
INDINE					

Total species



Water Chemistry ABPO12	
Site Code 22NM Site name Dowern - Kalannie Rd Date 22-09-06	
Personnel BOS + MOS	
Max depth of wetland SOco	
Max depth measured at centre of wetland (~40 m west of road)	
р н <u>2.69</u> [н ⁺]	(
'i emperature	160
Conductivity 205 mScm 1 (HSem) AROVE LIMIT ppM	
DO (TOP) 102. S (57 error) (%) 11.67 may - (67 or r) pp M (BOTTOM) 117.3 (") (%) (0.66 may - 1") pp M	
*TOP measurements 15 cm below water surface *BOTTOM measurements ~ 8 cm above sediment Check (✓)	
125 mL water sample, filtered and frozen Nutrients	
250 mL water sample, acid-wash bottles, filtered Chem centre metals analysis	<i>E</i> 100
omL water sample, acid-wash bottles, filtered DoW trace metals analysis	
500 mL water sample, unfiltered lonic composition	
CHLOROPHYLL All samples to be placed in a snap-lock bag and refrigerated Check (✓)✓	
Water column sample Volume filtered Default = 500 mL	
Benthic sample	
Place 2 drops of MgCO ₃ with sample Benthic sample - replicate No MgCO ₃ No MgCO ₃	



Habitat	Ale	SPO11		
Site Code RHEM	Site name	amble Rd	Date	:21.09.06
Personnel 605	+ MOS			
Site details Eviden	ce of recent al	al ploom: do	ied-out algo	e A Sheets in
Photo 1 bearing (facing	eights. Very deep	(n75cm) jeston	rely why the Fence dropper pl	tubid
Photo 2 bearing (facing Include fence dropper in facrophyte cover acres	away from wetland) oreground of each photo oss wetland	34 _%	Location Pak	
May need up to 10 quadra Sparse macrophyte	ats in 2	Water lev Water lev Water lev Water lev Water lev	vel 2	
Macrophyte sheet num	nbers	MACROPHYTE Check (*)		
Macrophyte biomass of 5 x 25 cm square quadrate		A 3	NO MAC	ROPHYTE
Macrophyte species co Press each specimen Preserve sample in 100%	ollected and photograpethanol, store in large zip-lo			
Invertebrate 250 µm ss 50 m over 200 m, sweep s Preserve in 100% ethanol	sediments, all habitats			
	mple I sweep sediments, all habit store in 120 mL polycarb vial			
Phytoplankton 35 μm s 10 m tow, all habitats Preserve in 1.5 mL Lugols	sample s (weak tea), store in square	vials		
Diatoms collected Scrape spoon across any substrate and macrophyte Preserve in 4% formalin, s		s, rocks,		
Waterbird species	Abund. Broods	Waterbird species	Abund.	Broods

Total species



Water Chemistry	. A	BP011	Walker II	
Site Code RI4EM	Site name	GAMBLE	R b	Date 21-09-06
Personnel MAS &	BAS			- Alexano Mi
Max depth of wetland $\frac{75}{}$	icm		,	, i.e. 5
Max depth measured at	or two mo	CENTRE OF	= WETCALLD FR	OM WATER LINE
			The Committee of Control of Salary	<mark>nggari sanggar sagar saka nagari saka 1</mark> an agari Roma samanggari sa agari saka nagari sa
pН	3-16	[H ⁺]		method is to be to the state of the control of
1 emperature	19.5	<u> (</u> (C))	N 14	A MANAGE AND
Conductivity	121900	(μS cm ⁻¹)	UPPER LIMITS	ppM
DO (TOP) (BOTTOM)	68.5	(%) (%)	5.89 5.67	_ ppM mg let _ ppM mg let
	VMO. 19			
		neasurements ~ 8	cm above sediment	and the second with the second second
		Check (✔		
125 mL water sample, filtere	d and frozen			enser Motorian (1700) en ander en
250 mL water sample, acid-w Chem centre metals analys	vash bottles, fil	tered	285 - 1907 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 190 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 1908 - 190	e de la composição de la Composição de la composição de la composiç Composição de la composição de la compos
o mL water sample, acid-w DoW trace metals analysis	vash bottles, fil	tered 🔽		The second of th
500 mL water sample, unfilted lonic composition	ered	र्	The Audit State of the London State of the London	ar mengana sa milih 1990 ke Palin dan Sandaran Kabupatèn dan Palin
	Sa Ch		and the second s	Algebra bylk filology – fraktikanskopper († 6. 1866 - Santa – Sonorski Filology († 1866) 1864 - Frank Halley – albebrik filology
CHLOROPHYLL All samples to be placed in a snap	-lock bag and ref	rigerated Check (✓	V	<mark>के के के क</mark> िया है। Electric को किस किसी किसी
Water column sample		Ø	Volume filter Default = 500	
Benthic sample Place 2 drops of MgCO ₃ with	th sample		a de la companya della companya della companya de la companya della companya dell	
Benthic sample - replicate No MgCO ₃	Turk in week to		\$ 100	
		(righter)		And the second second

DEPARTMENT ON THE MENTAL WE NOT CONSERVATION ND001: Baselining Wetland Diversity in the Avon



Habitat	A89017 A	ger ^{ther}			
Site Code RELLA	Site		and the second second second second		Date 75-9-06
Personnel V	on and dad	DCEME			
Site details	र ४४ च सुक्तान्त्रकारम् स्थापना वर्षा निर्माण वर्षा निर्माण विकास स्थापना स्थापना स्थापना स्थापना स्थापना स्था स्थापना स्थापना स्थापन	lui	on a construction with the construction and a set of section of the section of th		
Photo 1 bearing (facing	wetland) 45				pper placed? YES(NO)
Photo 2 bearing (facing a include fence dropper in for Macrophyte cover acre	oreground of each p	heto			
	er namen an energe en		Mataula	vol 1 7 a	
.crophyte height at a			Water le Water le	*	
Sparse macrophyte	***	and account of an account of the second of t	Water le		
			Water le Water le		
Macrophyte speet nun	abers	ality parallel and consistent amount of contribution of the contri			
			Check (√)		
Macroplyte Mamass c 5 x 25 cm squipe quadrat			S. J.		
Magrophyte sincles co Press each specimen Preserve sample in 100%			1	photo	149-151
Invertebrate 250 µm si 50 m over 290m, sweep s (edifilents, all habita				
Zooplankton 50 µm sa 50 m over 200 m, DO NO Preserve in 4% formalin, s	Sweep sediments.			·	
Phytoplankton 35 µm i 10 m tow, all habitate Preserve in 1.5 ml. Lugols		square vials.			
Diatoms collected Scrape spoon across any substrate and macrophyte Preserve in 4% formalin.	s i		Estante de la constante de la		
Waterbird species	Abund Bro	ods Water	chird species	Abuad.	Broods
Black Swan			programme and a second of the company of the compan		
White Face Heron	<u> </u>		kinnyydd din hallann a'r yddin failiff y charllen y din y charl a charl a charl a charl a charl a charl a charl		
	er faste - an east o optionalisans and susceptibilities absolute an east of the second		mand demonstration of the property of the second se		



		AVENUE OF	'AN AUS'
	A 0 001	7	isids
Water Chemistry	ABPULT		gith in the following the second
a summer of the state of the st		Silve force of the State of the	
Site Code BALR	Site name	Da	nte 25-9-06
A	na	A CONTRACTOR OF THE PROPERTY O	ii turiggi d <u>a</u> pirati ja <u>liitiin.</u> Pr atama n taraha Haritika inta
Personnel -UB JS	> <u>C</u>		Site details Bearing
Max depth of wetland 3			
Max depth measured at	anywhere		
	V **	ter en	स्वत्यक्षणां क्षा । प्रमुद्दे वृष्ट्य क्षा क्षा क्षा । १८ व्या व प्रतिकृतिकारः । १०० व प्राप्ति व व । १९५५
			, gold Segil (self Self Sect S egges)
<u> </u>		In a steer traderial	Horas on an employed State of the page
pH	9.99	H ⁺]	Mac onlyin this start attention
P11		·	THE STATE OF THE PARTY OF
Temperature	25.1	- Property of the Control of the Con	ni Elektrika i ingrama yango ya
		a see any contract of the second of the seco	+
Conductivity	31.3	(HS cm-1) 15.63 pp	TA TANK
Conductivity		(pas ciri) pp	
DO (TOP)	177.1	(%) <u>4.C</u> pp	oM .
(воттом)		(%) pr	oM
		7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
`.	1		tandiativa consensació destrución con ocido.
. Gyw feith a channaid	*TOP measurem	ents 15 cm below water surface urements ~ 8 cm above sediment	
		Check (V)	
125 mL water sample, filtere	d and frozen		Freseive camass was delight
Nutrients	· ·		in eretetaken ilikain sanak
250 mL water sample, acid-v	vash bottles, filter	ed 🗇	aciderense në miriti tevo ni 65
Chem centre metals analys			PRODUCTION OF THE PROPERTY OF
່. ຼວ mL water sample, acid-v	vash bottles, filter	ed T	Arka abado fil odkanska
DoW trace metals analysis	그 사람들은 사람들이 되었다.	ALL CONTROL SECTION OF THE	THE PROPERTY OF THE PROPERTY O
500 mL water sample, unfilt	ered Man Man.		
- Tomo Gompoonion	Same of the same o	May regard to the second to	etologise unifolialist (skolonisti kristian til
j dem		Secretary of the secret	
CHLOROPHYLL	Section 1		Approximately and the second of the second o
All samples to be placed in a snap	707		The state of the s
	Threat is	Check (🗸)	
Water column sample		Volume filtered	mL
· _		Default = 500 mL	
Benthic sample Place 2 drops of MgCO ₃ wi	th sample	with Karasia and the	The second of th
· -	ar-sampio 🐃	Was I Provide The State of the	F 12 - 26 - 27 - 18
Benthic sample - replicate No MgCO ₃	to an a total man and a supplication of the su		
- 			Allen U Krall
7	and the second second	- gaz Marchillana - Li	

DESCRIPTION ND001. Baselining Westand Diversity in the Avon



Habitat

APROBLEM

marketing Of the second of the	The second state of the second	0.66
Site Colding BELLS Site manuse Week Filler	NTH Date 25	7-06
Personnes Ry Sagrany & De Coellange	de la francisco de cara de la frança de la frança de la companya de la frança de la	
Site details. VAZIO, V. NE OF CERCE		
Photo 1 bearing (facing wetland): 1485	Fence dropper placed? Location	VES/NO
Photo 2 bearing (facing away from wetland) 42 Include feace dropper in foreground of each photo Macrophyte cover across wetland 80 %.	of ere sampled)	. 1 왕
Acrophyte height at quadrat 1 301 May need up to 40 quadrats in 2 40 Sparse macrophyte 3 30 4 15 5 15	Water level 1 70 Water level 2 70 Water level 3 60 Water level 4 50 Water level 5 57	
Macrophyte sacet numbers	Theck (✓)	
Macrophyte Louross evilected 5 x 25 cm square quadrats; staré in calico bage	Scarce Control of the	
Macrophyte species collected and photographed Press each specimen Preserve sample in 100% ethanol, store in large zip-lack bags	143, 144 photos	.*
Invertebrate 258 pm sample 50 m over 200 recovery and account, all ancitates reserve in 400% ethanick store in 2 k pot		
plankton 50 μm sample 50 m over 200 m, DO NOT sweep sediments, all habitats Preserve in 4% formalin, store in 120 mL polycarb vials	Total Marie Control of the Control o	ě
Phytoplankton 35 µm sample 10 m tow all habitats Preserve in 1.5 mL Lugois (weak too); store in square vials		
Diatoms collected Scrape spech across any obvious benthle mats, sticks, rocks, substrate and macrophytes Freserve in 4% formalin, store in McCartney vial	granuary.	

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
Bleck Swens	43		Hoery Heads	4)	·
Eurasian Cook	ু চনক	5.	Music Durela-	L	
Hard Heads	130	· · · · · · · · · · · · · · · · · · ·	Int Equel	3	
(Ny Tao)	390		Silver Winds Full)	1
Shall duck	3.5		Shaw New)	
Dish. 221	55	7.2	(millsmede)		

ND001: Baselining Wetland Diversity in the Avon



ABPOZE

Water	Chei	mistry
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Site Code R35LR	Site name	KURRENKUTTE	Dat	e 25-9-06	
Personnel HSB 350					
Max depth of wetland	0				
Max depth measured at		14.13.44			-
pН	10:15	[H ⁺]			
mperature	19.3	(°C)			
Conductivity	27.9	/^\$ (≱ \$ cm ⁻¹)	14.6 pp	F	
DO (TOP)	125 , 9	(%)			
(воттом)	152.6	(%)	13.92 ppM	/1	
		rements 15 cm below v neasurements ~ 8 cm a			
		/			
125 mL water sample, filtered	d and frozen	Check (✔)			
250 mL water sample, acid-w		ltered			
o mL water sample, acid-w DoW trace metals analysis	vash bottles, fil	ltered			
500 mL water sample, unfilted lonic composition	ered				
CHLOROPHYLL All samples to be placed in a snap	o-lock bag and re				
Water column sample		Check (✓)	Volume filtered Default = 500 mL	500ml mL	
Benthic sample Place 2 drops of MgCO ₃ wi	th sample		Dolutin - 500 IIIE		
Benthic sample - replicate No MgCO ₃	•	\square			



Habitat

ABP025

Site Code <u>R37LK</u> Site name <u>KOND(N)</u>	IN LAKE STH Date 24-9-06
Personnel 1-1 BARRON + J. COCKIN	JG .
Site details Approx 5 km E c	of Kondinin Townish on
southern edge of Kondinin Lake.	
Photo 1 bearing (facing wetland)	Fence dropper placed? YES/NO Location
Photo 2 bearing (facing away from wetland) 13 Include fence dropper in foreground of each photo Macrophyte cover across wetland 90 %	
Crophyte height at quadrat 1 10 May need up to 10 quadrats in 2 70	Water level 1 25 Water level 2 5
Sparse macrophyte 3 20 4 10 5 20	Water level 3 30 Water level 4 50 Water level 5 50
Macrophyte sheet numbers 32,36,42,46	PHOTO 132 - 134 , 140 Check (✓)
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calico bags	
Macrophyte species collected and photographed Press each specimen Preserve sample in 100% ethanol, store in large zip-lock bags	
Invertebrate 250 μm sample 50 m over 200 m, sweep sediments, all habitats Preserve in 100% ethanol, store in 2 L pot	
50 m over 200 m, DO NOT sweep sediments, all habitats Preserve in 4% formalin, store in 120 mL polycarb vials	
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), store in square vials	
Diatoms collected Scrape spoon across any obvious benthic mats, sticks, rocks, substrate and macrophytes Preserve in 4% formalin, store in McCartney vial	

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
Black Swan	277		Herd Head Duck	10	
Cry Teel	420		Hoery Headed Gribe	7	
Shell Duck	84		Eurasian Coote	745	
Musk Duck	3		White Face Heron	14	
Black Duck			Silver Coul)	2	
Shoveller Duck	18		Total species 12	100 April 100 A	

Whistling Kite

3



Water Chemistry	ABPO	25			77 40	
Site Code R37 U		KONDININ L	AKE STH	Date <u>2</u> (4-9-06	
Personnel J. LOCKING	1 + H.B	ARRON				
Max depth of wetland <u>&</u>						
pH Temperature	8.93	[H ⁺]	_			
Conductivity	36.9		18.2	て pp朝		
DO (TOP) (BOTTOM)	92.1	(%) 3(%)	8.72 8.43	ppM ppM		
		urements 15 cm belo measurements ~ 8 c	m above sediment			
125 mL water sample, filter	red and frozen	Check (V)			
250 mL water sample, acid Chem centre metals ana		iltered 🔽				
o mL water sample, acid	-wash bottles, f	iltered 🗾				
500 mL water sample, unfi						
CHLOROPHYLL All samples to be placed in a sn	ap-lock bag and re	efrigerated Check (√	'			
Water column sample			Volume filt Default = 50	ered <u>5</u> 20	mL	
Benthic sample Place 2 drops of MgCO ₃	with sample					

Benthic sample - replicate No MgCO $_3$



Habitat ABP024			, , , . .
Site Code Ryock Site name Lek Personnel H. Berron - J. Cock	e Counter.	Date _	24-9-06
Personnel H. Berron - J. Coch	cing		
Site details			
Photo 1 bearing (facing wetland) # 69 Photo 2 bearing (facing away from wetland) # 9	 to	Fence dropper plac Location 30 m S	th of boot acces
Include fence dropper in foreground of each photo Macrophyte cover across wetland	%		
.crophyte height at quadrat 1 May need up to 10 quadrats in 2 Sparse macrophyte 3 4 5	Water leve Water leve Water leve Water leve	el 1 el 2 el 3 el 4	
Macrophyte sheet numbers	Check (✓)		
Macrophyte biomass collected 5 x 25 cm square quadrats, store in calico bags	- NA		
Macrophyte species collected and photograph Press each specimen Preserve sample in 100% ethanol, store in large zip-lock	1 NA		
Invertebrate 250 μm sample 50 m over 200 m, sweep sediments, all habitats Preserve in 100% ethanol, store in 2 L pot			
Zooplankton 50 μm sample 50 m over 200 m, DO NOT sweep sediments, all habitat Preserve in 4% formalin, store in 120 mL polycarb vials	s		
Phytoplankton 35 μm sample 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak tea), store in square vi	ials		
Diatoms collected Scrape spoon across any obvious benthic mats, sticks, substrate and macrophytes Preserve in 4% formalin, store in McCartney vial	rocks,		
Waterbird species Abund. Broods	Waterbird species	Abund.	Broods

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
		a c P			
			Total species	The state of the s	



W	ater	Chemistry	
V V	atti	Chemistry	

Site Code	RYOCK	Site name	LAKE GOUN	TER	Date 24-9-08	
Personnel _	HOB 5	<u> </u>				
Max depth of	f wetland <u>4</u> (3cm				
Max depth m	neasured at	epth gauge.				_
pН		2.65	_[H ⁺]			
Temperature	2	22.7	_(°C)			
Conductivity		191.3	м s _(#S cm ⁻¹)	96.1	pp ğ +	
DO	(TOP) (BOTTOM)	92.8	_ (%) _ (%)	7.8	ppM ppM	
Nutr 250 mL wate Che 250 mL wate Dov	r sample, filtere ients r sample, acid-v m centre metals analys r sample, acid-v V trace metals analysis	*BOTTOM me d and frozen vash bottles, filte sis vash bottles, filte	, L			
	er sample, unfilted composition	ered	. <u> </u>			
CHLOROPH All samples to	<u>YLL</u> be placed in a snap	o-lock bag and refri	gerated Check (✓)			
Water colum	n sample			Volume filte Default = 500		
Benthic samp	ple ce 2 drops of MgCO₃ wi	th sample				
	ple - replicate			i		

ND001: Baselining Wetland Diversity in the Avon



Habitat	ABP023	SMJ 19/7/07	ROCK LAKE		γγ AU 3
Site Code R39CR	Site name _	GRAHAM	ROCK LAKE	Date _	24-9-06
Personnel JSC+HJB					
Site details					
Photo 1 bearing (facing wetlar	nd) 54			ce dropper plac eation_ <i>yot_ye</i> z	
Photo 2 bearing (facing away include fence dropper in foregrous Macrophyte cover across we	and of each photo			USE "HI	impy" pickeys.
Acrophyte height at quadr May need up to 10 quadrats in Sparse macrophyte	2 30 cm 3 20 cm 4 20 cm 5 20 cm	<u>m</u> 	Water level 1 _ Water level 2 _ Water level 3 _ Water level 4 _ Water level 5 _	25 cm 25 cm 25 cm	
Macrophyte sheet numbers	R39CR	2a + 2b	neck (√)		
Macrophyte biomass collec 5 x 25 cm square quadrats, store		Ci			
Macrophyte species collecters each specimen Preserve sample in 100% ethano	-	-			
Invertebrate 250 μm sample 50 m over 200 m, sweep sediment or or seerve in 100% ethanol, store	nts, all habitats		Ž		
Σοοplankton 50 μm sample 50 m over 200 m, DO NOT swee Preserve in 4% formalin, store in					
Phytoplankton 35 μm samp 10 m tow, all habitats Preserve in 1.5 mL Lugols (weak		uare vials			
Diatoms collected Scrape spoon across any obvious substrate and macrophytes Preserve in 4% formalin, store in		sticks, rocks,			

Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods
HOODED PLOVER	2	PAIR			
BLACK WINGED STILT	1	IMM.			
		. •	Total species		



Water Chemistry	ABP023 SMJ 19/1/07	
Site Code 23960	Site name GRAHAM LOCK LAKE Date 24-9-06	
Personnel H5B 550		
Max depth of wetland	•	
Max depth measured at/	1 iddle.	
рН	7·86 [H ⁺]	(
Temperature	17·8 (°C)	Van
Conductivity	170:4 ms (18 cm-1) 59.7 pp +	
DO (TOP) (BOTTOM)	102.5 (%) 9.40 ppM 103.4 (%) 9.53 ppM	
(DOTTOM2)		
	*TOP measurements 15 cm below water surface *BOTTOM measurements ~ 8 cm above sediment	
	Check (✓)	
125 mL water sample, filtered Nutrients	l and frozen	
250 mL water sample, acid-w Chem centre metals analysi	rash bottles, filtered	r
o mL water sample, acid-w DoW trace metals analysis	ash bottles, filtered	
500 mL water sample, unfilte	ered	
CHLOROPHYLL All samples to be placed in a snap	-lock bag and refrigerated Check (✓)	
Water column sample	Volume filtered 500 mL Default = 500 mL	
Benthic sample Place 2 drops of MgCO ₃ wit	th sample	
Benthic sample - replicate No MgCO ₃		

ND001: Baselining Wetland Diversity in the Avon



H	2	h	i	t	9	t
	7	.,	•	L.	а	ı.

ABP022 SMJ 19/7/07

			ŗ								,
Site C	ode _	LC18	Site	name				Date	23-	9-	06
Perso	nnel	JSC +	HJB								
Site de	etails					****		A A A A A A A A A A A A A A A A A A A			
Photo	1 bear	ing (facing	wetland)					e dropper pla			ES/NO
Inclu	de fenc	ing (facing a e dropper in fo e cover acro	reground of e		37%						
May	need up	e height at on to 10 quadra rophyte	ts in $\begin{bmatrix} 2 \\ 3 \end{bmatrix}$	- 6 - 7 - 8 30 cm 9 - 10	30 cm	Water Water Water	level 2 level 3	30 cm	6 7 8 9	30 30 10	
Macro	ophyte	sheet nun	nbers		Ch	eck (✓)					
		e biomass c quare quadrat		co bags	Cii		4	1 % ια	rel	10	throws
Press	s each s	specimen		l photograp			Photo:	s : 38-4	/		
50 m	over 20	te 250 μm s : 30 m, sweep s 100% ethanol	ediments, all l								
50 m	over 20		r sweep sedin	nents, all habita L polycarb vial							
10 m	tow, all	t on 35 μm s I habitats 1.5 mL Lugols	_	tore in square	vials	ď					
Scra subs	ipe spoo strate ar	llected on across any nd macrophyte 4% formalin, s	s	nic mats, sticks	s, rocks,						
W	/aterbi	ird species	Abund.	Broods	Waterbire	d species	Abu	nd.	Brood	ls	
		, , , , , , ,)								

Total species



ABP 022 SNJ 19/7/07

		//
TATALAM	Chemistry	,
water	CHEHHSUY	

Site Code	LC18	Site name			Date	
Personnel	JSC+ 1	1JB				
Max depth of v	wetland	70 cm		•		
Max depth me	asured at					A
AND THE RESIDENCE OF THE PARTY OF THE PARTY						
рН		3.74	_[H ⁺]			
Temperature		22.5	_(°C)			
Conductivity		68.5	(A S cm ⁻¹)	34.1	_ pp № T	
	(TOP)	103.2	(%)(%)	8.98	_ ppM	
,	(воттом)	<u> </u>	(%)	+ . 48	_ ppM	
		*TOP measur *BOTTOM m	ements 15 cm belo easurements ~ 8 ci	w water surface n above sediment		
			Check (✓)		
125 mL water s		ed and frozen		,		
250 mL water	sample, acid centre metals ana	-wash bottles, filt lysis	tered			
(. 250 mL water : DoW to	sample, acid	-wash bottles, filt	ered 🔲			
500 mL water lonic c	sample, unfi	ltered				
CHLOROPHYI All samples to be		ap-lock bag and refr	•	.		
Water column	sample		Check (✓	Volume filter		mL
Benthic sampl	-	with sample		Default = 500 n	IIL.	
Benthic sampl	e - replicate	·	X	N/A		



smJ	19/7/07
	SMJ

Sit	e Code <u>R7NM</u>	Site	name		D	Pate 22-9-06
Per	rsonnel HJB	JSC				
		T-MATE NOV				
Ph	oto 1 bearing (facing	wetland) <u>M</u>	Kw 17		Fence dropped	r placed? YES/NO
l)	oto 2 bearing (facing nclude fence dropper in f acrophyte cover acr	oreground of	each photo	11Kau 18	200000	
<i>r</i> :	erophyte height at lay need up to 10 quadr	ats in 2		Water I Water I	evel 2	
S	parse macrophyte	3 4 5		Water I Water I Water I	evel 4	
Ma	crophyte sheet nur	nbers		Check (✓)		
	crophyte biomass of x 25 cm square quadra		ico bags			
Р	acrophyte species coress each specimen Preserve sample in 100%			ш,,		
5	v ertebrate 250 μm s O m over 200 m, sweep s Preserve in 100% ethano	sediments, all		☑ ́		
(,	oplankton 50 μm sa 3 m over 200 m, DO NO Preserve in 4% formalin,	T sweep sedir				
1	ytoplankton 35 μm O m tow, all habitats Preserve in 1.5 mL Lugol		store in square	e vials		
S	atoms collected crape spoon across any ubstrate and macrophyte reserve in 4% formalin,	es		s, rocks,		
	Waterbird species	Abund.	Broods	Waterbird species	Abund.	Broods

Total species.

ND001: Baselining Wetland Diversity in the Avon



ABPO21 SNJ/19/7/07

W	ater	Ch	emis	stry
---	------	----	------	------

Site Code R7NM	Site name			Date _ 2	22-9-06	
Personnel HJB J	54					
Max depth of wetland						
Max depth measured at	niddle.					
рН	<u>2.56</u> [1	I ⁺]				
nperature	24.5 (C)		,		
Conductivity	113.4 (ıS cm ⁻¹)	56,5	pp h		
DO (TOP) (BOTTOM)		%) %)	7.72	ppM pM		
	*TOP measureme *BOTTOM measu				-	
		Check (✓)				
125 mL water sample, filtere Nutrients	d and frozen					
250 mL water sample, acid-v Chem centre metals analys		d 📗			(°	
250 mL water sample, acid-v		d 🔟				
500 mL water sample, unfiltered lonic composition						
CHLOROPHYLL All samples to be placed in a snap	o-lock bag and refriger	ated Check (√)				
Water column sample			Volume filter Default = 500 r		mL	
Benthic sample Place 2 drops of MgCO ₃ wi	ith sample	$\boxtimes \setminus$	Jo mat p	resent.		
Benthic sample - replicate No MgCO ₃		\square	,	· • · ·		



ABPO28 Water Chemistry

Site Code	<u>4414</u>	Site name		Annual Annua	Date <u>26-9-06</u>		
Personnel	HOB -	556					
Max depth of	wetland	Dom					
Max depth m	easured at	middle.					
рН		8.08					
Temperature		23.4	_(°C)				
Conductivity		115.6	_ (μS cm ⁻¹)	57.9	DDA PPT		
DO	(TOP) (BOTTOM)	92.4	_ (%) (%)	7.81	_ ppM ppM		
			~				
		*TOP measure *BOTTOM me	ments 15 cm below asurements ~ 8 cm	water surface above sediment			
Check (✓)							
125 mL water Nutri	sample, filtere ents	ed and frozen	1				
250 mL water Cher	r sample, acid-n	wash bottles, filte sis	ered 🛮				
	r sample, acid-v	wash bottles, filte	ered				
500 mL water sample, unfiltered lonic composition							
CHLOROPHYLL All samples to be placed in a snap-lock bag and refrigerated Check (✓)							
Water colum	n sample			Volume filter Default = 500 r			
Benthic samp	ole e 2 drops of MgCO₃ w	rith sample					
Benthic samp	ole - replicate ^{MgCO} 3						





ABP 029

Matan	Chemistry	
water	Chemistry	

Site Code _	YY3	Site name _	Locxy	LAXE		Date_	26-9-06
Personnel	H. Berron	+ J. Coch	ing				
Max depth	of wetland\.	5 m					
Max depth	measured at 🔆	150m N of	peg.			***************************************	
рН		9.63	[H ⁺]				
1 emperatu	re	22.6	(°C)			/	
Conductivit	y	61.6	(μS cm-1	·) _	30.9	_ ppM	
DO	(ТОР) (ВОТТОМ)	12.54	(%)************************************		135.7	ppM ppM	
		*TOP measu	irements 15 cr	n below v	vater surface		
		"BOLIOM I			bove sediment		
	er sample, filter	ed and frozen	Chec	k (√)			
250 mL wat	er sample, acid- nem centre metals analy	wash bottles, fi	ltered	3			
() mL wat	er sample, acid- W trace metals analysi	wash bottles, fi	ltered	Í			
	ter sample, unfil	tered		<u>J</u>			
CHLOROPI All samples to	HYLL) be placed in a sna	p-lock bag and re	-	k (√)			
Water colur	nn sample				Volume filter Default = 500 r		<u>D</u> mL
Benthic san	iple ace 2 drops of MgCO ₃ v	vith sample	-	Ź			
Benthic sam	nple - replicate MgCO ₃	•	Ē	白			