

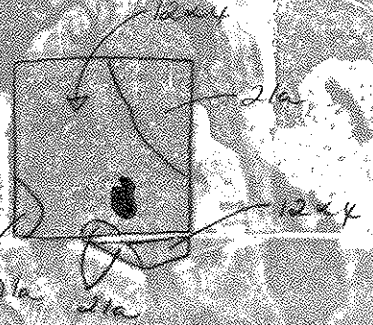
C60E



- ▣ = 2/12
- ▣ = 2/4
- ▣ = 2/21a
- = water

12049

C60W



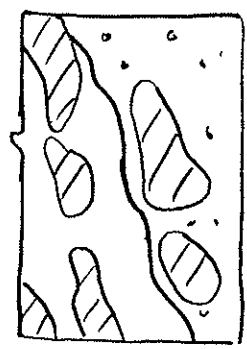
Water - road to South

12032

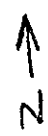
6347 B00

C60 2032 11 SW Aug 1991

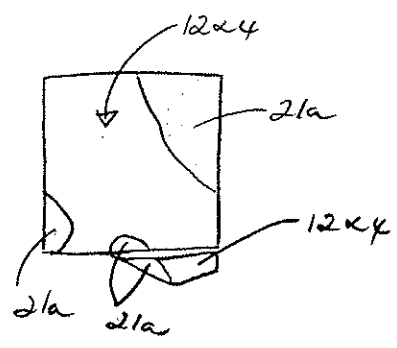
C60E



- ▨ = ? 12
- ▣ = ? 4
- = ? 21a



C60W



Note - road to South

AREA INFORMATION

System 6 Area (C or M) or Update Area (Update)

C60E

Conservation Area
Nature Reserve
Reserve No C 12049
National Park
Reserve No
Local Government
Reserve No
Other
Proposed Conservation Areas
Local Government
Reserve No
Other

Conservation Area

Nature Reserve
Reserve No
National Park
Reserve No
Local Government
Reserve No
Other

TOTAL AREA

Brushland Area 794 hectares
Completely Degraded

AREA MAPPED FLORISTIC UNITS

water 2.75 ha

Units	Site (Condition)	Code	Bound	Area (ha)
? 4 (1.5)	NO SITES field visit 1995		B	29.515
	considered similar to C60W with additional areas similar to			
? 12 (1.5)	OUTRIG & 1 condition generally as indicated but see notes.		B	17.25
? 21a (1.5)			B	29.825
	← bas. sand over Guildford F.			
	Note: all are S10 on Luv. soil			
	which could indicate detailed survey of areas would identify			
	some species associated E of plain needs spring survey to			
	identify clayey areas to present also C60E.			

CALM & System 6 boundaries are the same.

Boundaries determined by use of

aerial photograph Metro Street Directory Run 8 5009
orthophoto 2032 II SW Aug 1991
vegetation map
soil map

Melby - CALM

AREA INFORMATION

System 6 Area (C or M) or Update Area (Update)

C66W

Conservation Area	
Nature Reserve	Reserves, Hainweg, = Riverdale Rd NR
Reserve No	C12632
National Park	
Reserve No	
Local Government	
Reserve No	
Other	
Proposed Conservation Areas	
Local Government	
Reserve No	
Other	

Conservation Area

Nature Reserve	
Reserve No	
National Park	
Reserve No	
Local Government	
Reserve No	
Other	

TOTAL AREA

Bushland Area	37.2	hectares
Completely Degraded		

AREA MAPPED FLORISTIC UNITS

Units	Site (Condition)	Code	Bound	Area (ha)
12	Φ1 (15)	A, RIND	80%	21.86
14*	No site extrop from Guthrie Φ1, Lyons Φ1	} Boundary lines	20%	5.465
21a	Φ2 (2)		B	9.25
	*No site extropulation from aerial photos to C66E and Guthrie Φ1.			
		water		0.625

CALM & System 6 boundaries are the same

Boundaries determined by use of

aerial photograph	Mewo Street Directory run 7 5195
orthophoto	2032 II SW Aug 1991
vegetation map	
soil map	

MCLARTY CALM map

CONTACT DR N. GIBSON CALM WOODVALE for further information.

Flora list for C60 Riverdale Nature Reserve (extracted from Swan Coastal Plain database, Rivd 1-2, 62 taxa, 8/5/1995).

Department of Environmental Protection System 6 Update: Site Based Flora List C60 Riverdale Nature Reserve

(extracted from the CALM Swan Coastal Plain database, Rivd 1-2, 62 taxa, 8/5/95)

Apiaceae

Xanthosia huegelii

Asteraceae

- * Hypochaeris glabra
- Lagenifera huegelii
- Olearia sp. scps

Colchicaceae

Burchardia umbellata

Cyperaceae

- Lepidosperma angustatum
- Lepidosperma longitudinale
- Schoenus cruentus

Dasypogonaceae

- Dasypogon bromeliifolius
- Lomandra caespitosa
- Lomandra hermaphrodita
- Lomandra sericea

Dilleniaceae

Hibbertia hypericoides

Droseraceae

- Drosera erythrorhiza
- Drosera macrantha
- Drosera paleacea scps subsp. paleacea
- Drosera stolonifera

Epacridaceae

- Conostephium pendulum
- Leucopogon parviflorus

Euphorbiaceae

Amperea volubilis

Haemodoraceae

- Conostylis juncea
- Phlebocarya ciliata

Iridaceae

Patersonia occidentalis

Lamiaceae

Hemiandra pungens

Mimosaceae

Acacia pulchella

Myrtaceae

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Flora list for C60 Riverdale Nature Reserve (extracted from Swan Coastal Plain database, Rivd 1-2, 62 taxa, 8/5/1995).

Astartea aff. fascicularis sthct
Calothamnus lateralis
Calytrix fraseri
Eucalyptus marginata
Hypocalymma robustum
Kunzea ericifolia
Melaleuca preissiana
Melaleuca thymoides
Pericalymma ellipticum

Orchidaceae

Caladenia flava
Lyperanthus nigricans
Pterostylis recurva

Papilionaceae

Bossiaea eriocarpa
Gompholobium tomentosum
Hovea trisperma var. trisperma
Jacksonia furcellata
* Lotus sp. scps
* Lotus suaveolens
* Ornithopus pinnatus

Pittosporaceae

Billardiera variifolia

Poaceae

Amphipogon turbinatus

Polygalaceae

Comesperma confertum

Proteaceae

Banksia attenuata
Banksia ilicifolia
Persoonia saccata
Petrophile linearis
Stirlingia latifolia

Restionaceae

Hypolaena exsulca
Leptocarpus aristatus
Leptocarpus scariosus
Loxocarya flexuosa
Lyginia barbata

Rutaceae

Eriostemon spicatus

Stylidiaceae

Stylidium carnosum
Stylidium schoenoides

Tremandraceae

Tetratheca hirsuta

FOR INTERNAL USE ONLY from Gibson *et.al* 1994

3

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Flora list for C60 Riverdale Nature Reserve (extracted from Swan Coastal Plain database, Rivd 1-2, 62 taxa, 8/5/1995).

Zamiaceae

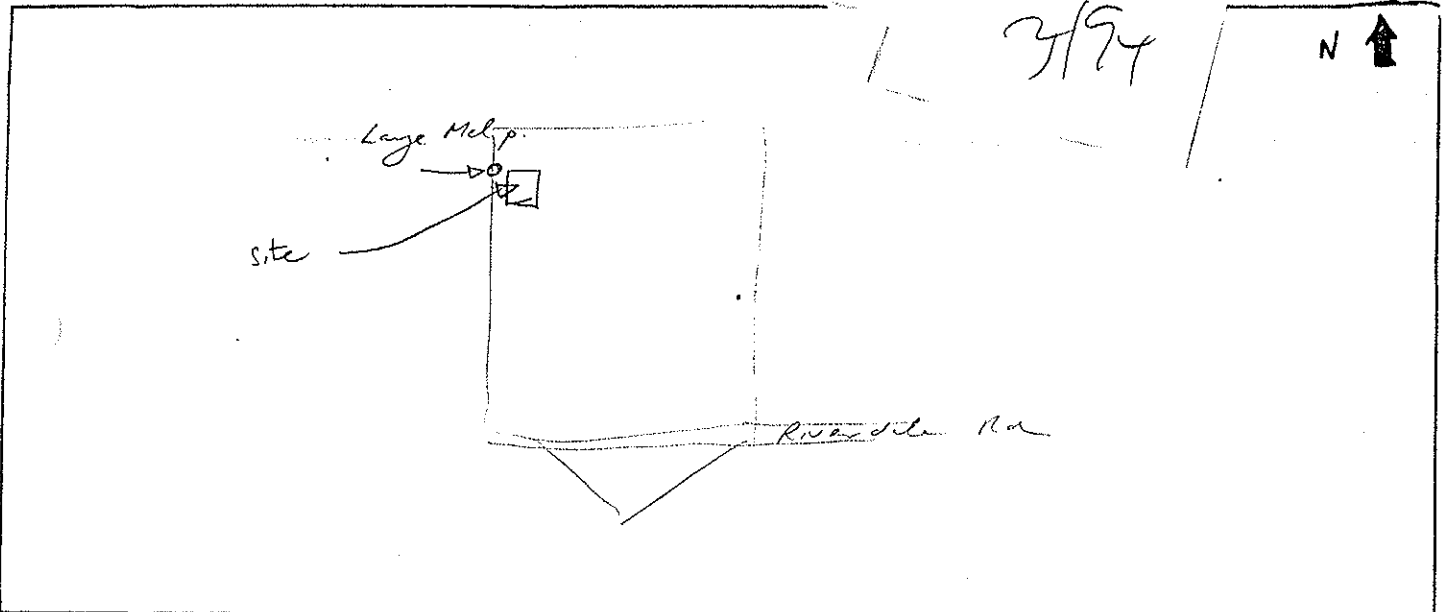
Macrozamia riedlei

QUADRAT No. RIND 02 VEGETATION TYPE Cal lat Swamps
 DATE TRIP 1/9/93 BOTANIST BJK/NA/ML
 VOLUNTEERS _____
 DATE TRIP 17/11/93 BOTANIST ML/NS
 VOLUNTEERS _____

Keighery and Keighery, 1990
 Adapted from Griffin and Keighery, 1981
 MOORE RIVER to JURIEAN SANDPLAIN
 SURVEY. WILDFLOWER SOCIETY of WA
 River

1. LOCATION of the QUADRAT

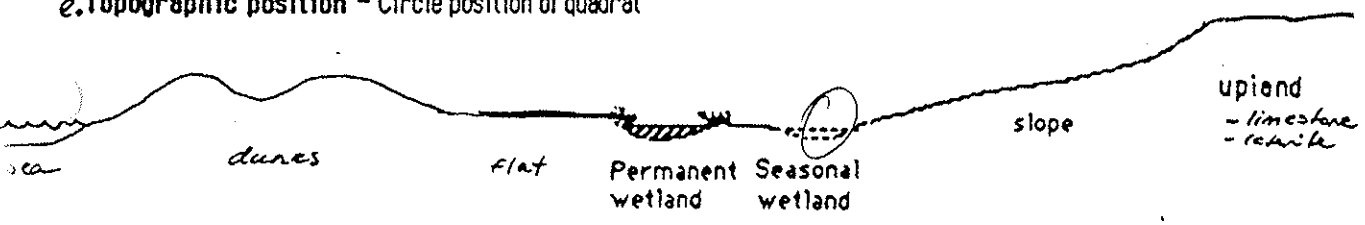
a. Mud Map Draw a sketch of the location of the quadrat



b Road Location	c. Latitude	Longitude
	32° 59' 22.0"	115° 46' 49.6"
		Altitude
		20m ± 100m

d. Photograph Photographer's name NG Photo No 101

e. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

Slope flat gentle steep

Aspect

N	NE	E	SE	S	SW	W	NW
---	----	---	----	---	----	---	----

Surface soil peaty grey sand

Sub-surface soil ? clay EG = 5/0

Drainage well mod poor Wet All year winter/spring

Litter (% cover) 0% % Bare ground 5%

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

Cover Class - percentage classes

0%	under 2%	2-10%	10-20%	20-30%	30-50%	50-70%	over 70%
----	----------	-------	--------	--------	--------	--------	----------

LIFE FORM	TREES	MALLEES					
	<p>15m</p> <p>10m</p> <p>5m</p>	<p>under 5m</p>	<p>MALLEE SHRUB less than 8m</p>	<p>MALLEE TREE 8m or more</p>			
COVER CLASS (%)	<p>> 15m</p> <p>5-15m</p>						
Dominant Species	<p>ADT scattered Mel peas over Lepid long use Mallee formations as below</p>						

LIFE FORM	SHRUBS					SHRUBS	
	<p>3m</p> <p>2m</p> <p>1m</p> <p>Height (metres)</p>	<p>over 2m</p>	<p>2.0-1.5m</p>	<p>1.5-1.0m</p>	<p>1.0m - .5m</p>	<p>under 5m</p>	
COVER CLASS (%)		50-70%					
Dominant Species		<p>Cal lat</p> <p>Ast fasc.</p> <p>Pari ellip</p>					

LIFE FORM	BUNCH GRASSES	HERBS	SEDGES	
	<p>2.0m</p> <p>1.5m</p> <p>1.0m</p> <p>.5m</p>	<p>under .5m</p>	<p>under .5m (except creepers)</p>	<p>over .5m</p>
COVER CLASS (%)			30-50%	
Dominant Species			<p>Lepid long</p> <p>Lepid.</p>	

4. VEGETATION CONDITION

PRISTINE		<p>Comments</p> <p>Few fires no evidence weeds.</p>
EXCELLENT	✓	
VERY GOOD		
GOOD		
DEGRADED		

1. NOTED PRESENCE

QUADRAT No.
RVD 01

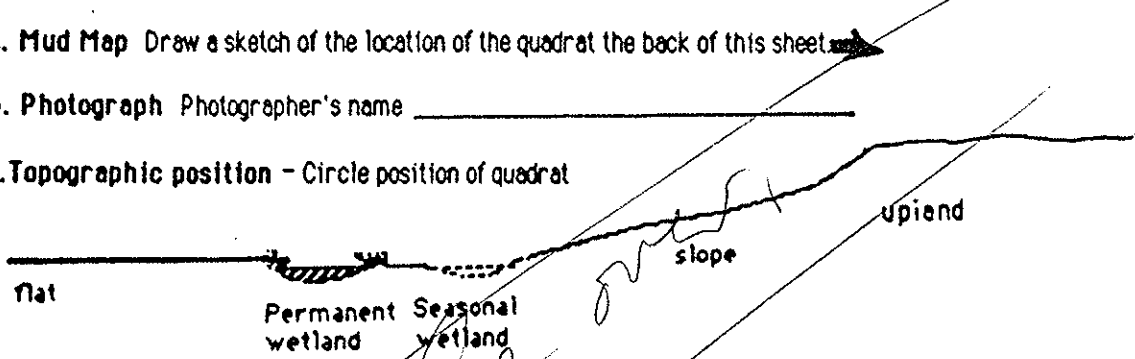
- within each stratum try to record the most common species first and the most uncommon last.
- as each species is collected label it with a numbered tag and use this number on your recording sheet
- indicate if the species is in flower

Keighery and Keighery, 1990
Adapted from Griffin and Keighery, 1989
MOORE RIVER to JURIE SANDPLAIN
SURVEY. WILDFLOWER SOCIETY of WA

Trees	No	ID	SHRUBS	No	ID	Herbs	No	ID
ADJ Mel. preussiana			12/11/95 Most of plot under sun water. Oenothera sp. of triflorum pendulata vs ✓					
Mallees								
SHRUBS								
Colo. latifolia	1							
Panicum ellipt.	1							
Astragalus fasci.	1							
			Bunch Grasses					
			Weedy grass					
			Herbs					
			Hypochaeris glabra					
			Chrysanthemum (weedy) Swainsonia					
			Thalictrum (weedy)					
						Sedges		
						Lepidosperma long.		
						Lepta cingis scarious (JSP)		
						Ventridium ? aristatum (JSP)		
						Hypochaeris exsulca		
						ADJ		
						Schoenus nuntius		
						Amperea volubilis		
						NOT IN PERTH FLORA !!		

QUADRAT NO. _____
 DATE FIRST TRIP 1/9/93 VOLUNTEERS MC NG WJA
 DATE SECOND TRIP 17/11/93 VOLUNTEERS MC NG
 BOTANIST: _____

1. LOCATION of the QUADRAT




























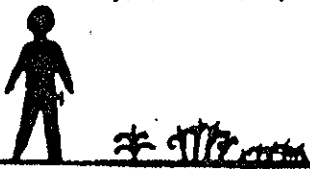
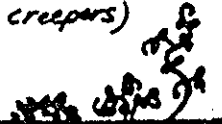

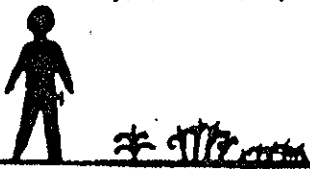
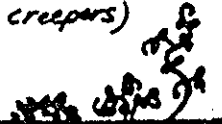


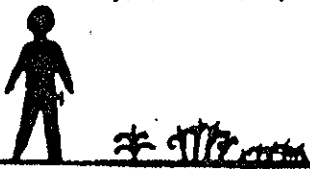
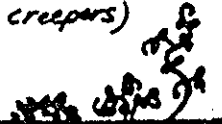

- a. Mud Map Draw a sketch of the location of the quadrat the back of this sheet. 
- b. Photograph Photographer's name _____
- c. Topographic position - Circle position of quadrat

Keighery and Keighery, 1990
 Adapted from Griffin and Keighery, 1989
 MOORE RIVER to JURIE SANDPLAIN
 SURVEY. WILDFLOWER SOCIETY of WA

2. SITE DATA - Circle the correct response
 Slope flat gentle steep Aspect N NE E SE S SW W NW

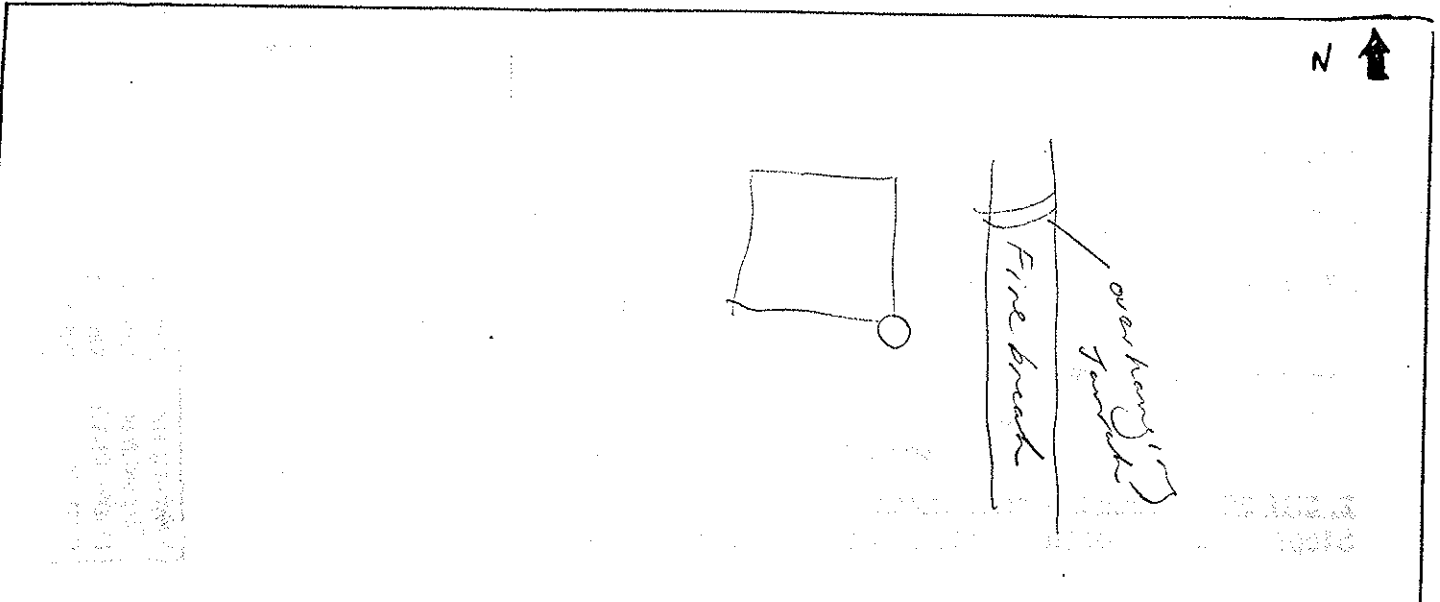
% Bare ground _____ Drainage well mod poor Wet All year winter/spring
 Litter (% cover) _____ Surface soil _____ Sub-surface soil _____

3. VEGETATION STRUCTURE AND COVER Record appropriate cover class

Cover Class - Percentage classes	over 70%	<table border="1"> <tr> <th>TREES</th> <th colspan="2">MALLEES</th> </tr> <tr> <td> LIFE FORM > 15m 5-15m  </td> <td> Under 5m  </td> <td> MALLEE SHRUB less than 8m  </td> <td> MALLEE TREE 8m or more  </td> </tr> <tr> <td>COVER CLASS (%)</td> <td> > 15m Jarrah 10-20% 5-15m Banksia 30-50% </td> <td></td> <td></td> <td></td> </tr> </table>				TREES	MALLEES		LIFE FORM > 15m 5-15m 	Under 5m 	MALLEE SHRUB less than 8m 	MALLEE TREE 8m or more 	COVER CLASS (%)	> 15m Jarrah 10-20% 5-15m Banksia 30-50%				15m 10m 5m
	TREES	MALLEES																
	LIFE FORM > 15m 5-15m 	Under 5m 	MALLEE SHRUB less than 8m 	MALLEE TREE 8m or more 														
COVER CLASS (%)	> 15m Jarrah 10-20% 5-15m Banksia 30-50%																	
30%	<table border="1"> <tr> <th>SHRUBS</th> </tr> <tr> <td> LIFE FORM Kunz.eric over 2m  </td> <td> 2.0-1.5m  </td> <td> 1.5-1.0m Ac. pul Mel. thy  </td> <td> 1.0m - .5m  </td> <td> under 5m Hibb hyp  </td> </tr> <tr> <td>COVER CLASS (%)</td> <td>2-10%</td> <td>2-10%</td> <td>2-10%</td> <td>20-30%</td> </tr> </table>				SHRUBS	LIFE FORM Kunz.eric over 2m 	2.0-1.5m 	1.5-1.0m Ac. pul Mel. thy 	1.0m - .5m 	under 5m Hibb hyp 	COVER CLASS (%)	2-10%	2-10%	2-10%	20-30%	3m 2m 1m		
SHRUBS																		
LIFE FORM Kunz.eric over 2m 	2.0-1.5m 	1.5-1.0m Ac. pul Mel. thy 	1.0m - .5m 	under 5m Hibb hyp 														
COVER CLASS (%)	2-10%	2-10%	2-10%	20-30%														
0% under 2%	<table border="1"> <tr> <th>BUNCH GRASSES</th> <th>HERBS</th> <th>SEDGES</th> </tr> <tr> <td> LIFE FORM under .5m  </td> <td> Ly. p. nig flat occ under .5m (except creepers)  </td> <td> over .5m  </td> </tr> <tr> <td>COVER CLASS (%)</td> <td>2-10%</td> <td>2-10%</td> </tr> </table>				BUNCH GRASSES	HERBS	SEDGES	LIFE FORM under .5m 	Ly. p. nig flat occ under .5m (except creepers) 	over .5m 	COVER CLASS (%)	2-10%	2-10%	Lyg. barb Hyp. exul. under .5m 	2.0m 1.5m 1.0m .5m			
BUNCH GRASSES	HERBS	SEDGES																
LIFE FORM under .5m 	Ly. p. nig flat occ under .5m (except creepers) 	over .5m 																
COVER CLASS (%)	2-10%	2-10%																

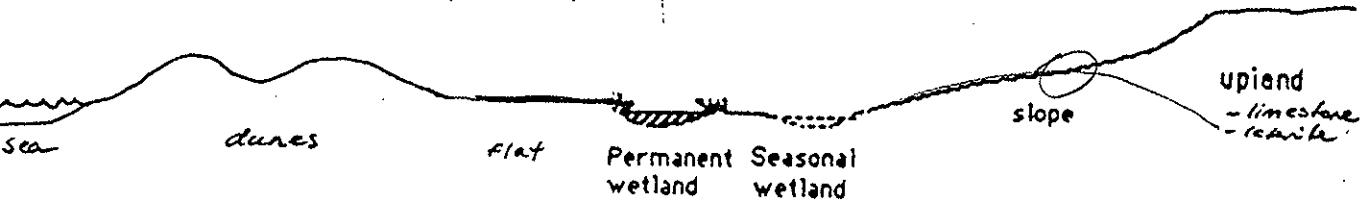
Height (metres)

a. Mud Map Draw a sketch of the location of the quadrat



b Road Location	c. Latitude	Longitude
	32° 59' 30.5"	115° 47' 14.6"
d. Photograph Photographer's name <u>NG</u> Photo No <u>10</u>	Altitude <u>25m ± 100m</u>	

e. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

Slope flat gentle steep

Aspect

N	NE	E	SE	S	SW	<u>W</u>	NW
---	----	---	----	---	----	----------	----

Surface soil grey sand

Sub-surface soil White Sand EG = 510

Drainage well mod poor

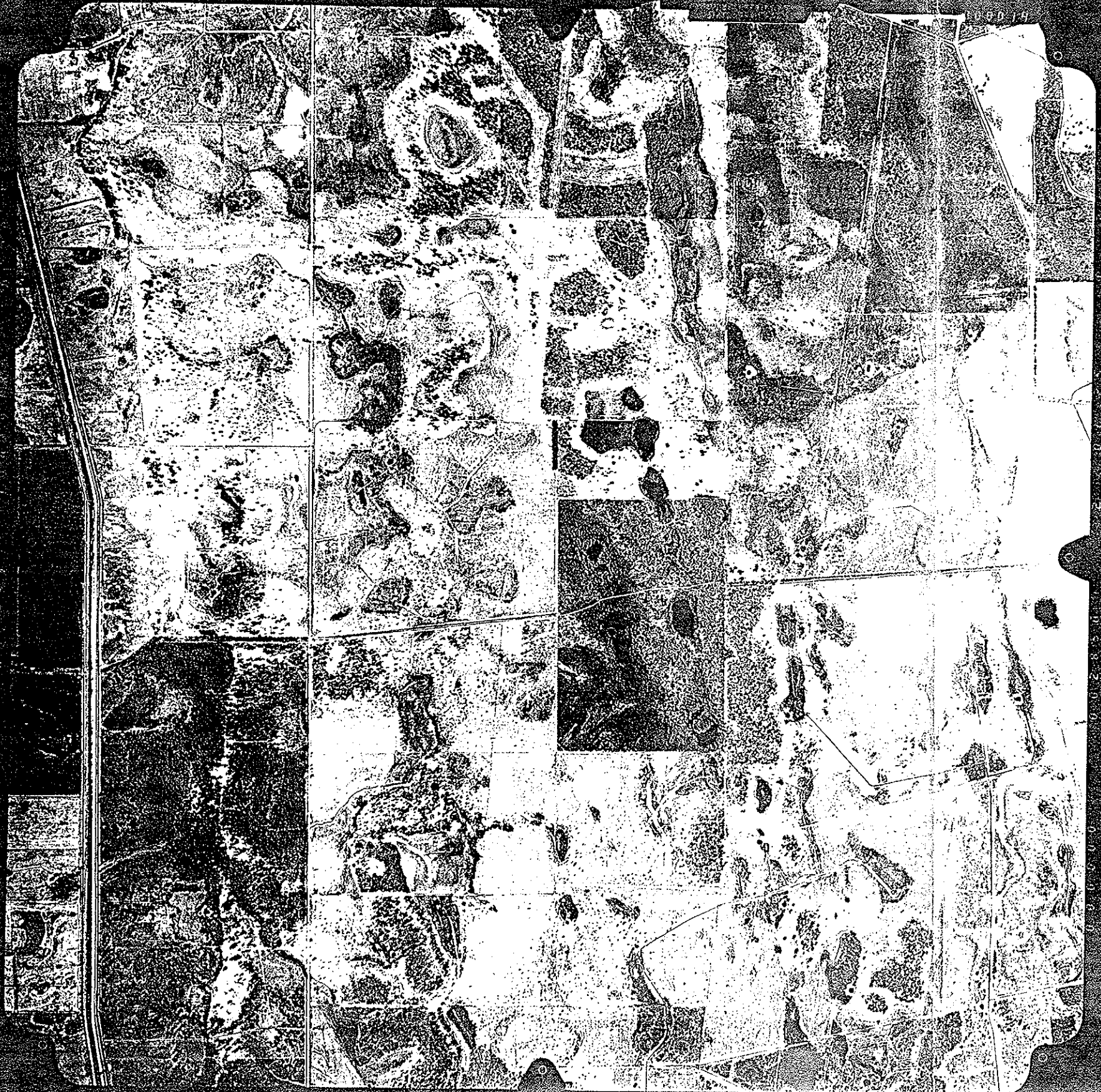
Wet All year winter/spring

Litter (% cover) 100%

% Bare ground 0%

4. VEGETATION CONDITION

EXCELLANT	<input type="checkbox"/>	Comments Adj Bank at, Jorral, bank ill deaths. (to south) many small jorral x Seedlings
VERY GOOD	<input checked="" type="checkbox"/>	
GOOD	<input type="checkbox"/>	
POOR	<input type="checkbox"/>	
VERY POOR	<input type="checkbox"/>	





5195 WA 2939(C) METRO STREET DIRECTORY & EXT. RUN 7 (5102-5203) 1:20000 5.1.91 910400

Check location site ②
RIVERDALE Nat Res.