

DUCK SHOOTING SEASONS - 1988

1. SOUTH-WEST AND EUCLA LAND DIVISIONS

No. Too dry. South west as a whole is 27% down on average rainfall for Jan-Oct 1987 period. Most Game Reserves will be dry.

2. REMAINDER OF STATE

Yes. No biological case for ending continuous open season of past 35 years.

3. OPEN SEASON ON MOUNTAIN DUCK CAUSING DAMAGE TO PROPERTY

Yes. Continuing open season is not a threat to populations of this species.

4. WOOD DUCKS CAUSING DAMAGE TO PROPERTY

Issue Damage Licences as in the past.

A full report will be presented at the Policy Directorate 30 November meeting.


J. LANE
PRINCIPAL RESEARCH SCIENTIST

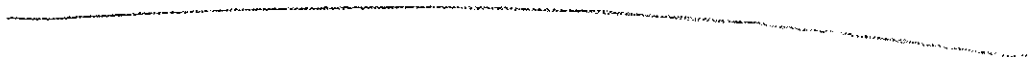
November 19, 1987

1987 RAINFALL

AND

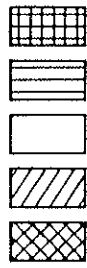
WETLAND

DATA



DECILE RANGE

Description



1

VERY MUCH BELOW AVERAGE

2-3

MUCH BELOW AVERAGE - BELOW AVERAGE

4-7

AVERAGE

8-9

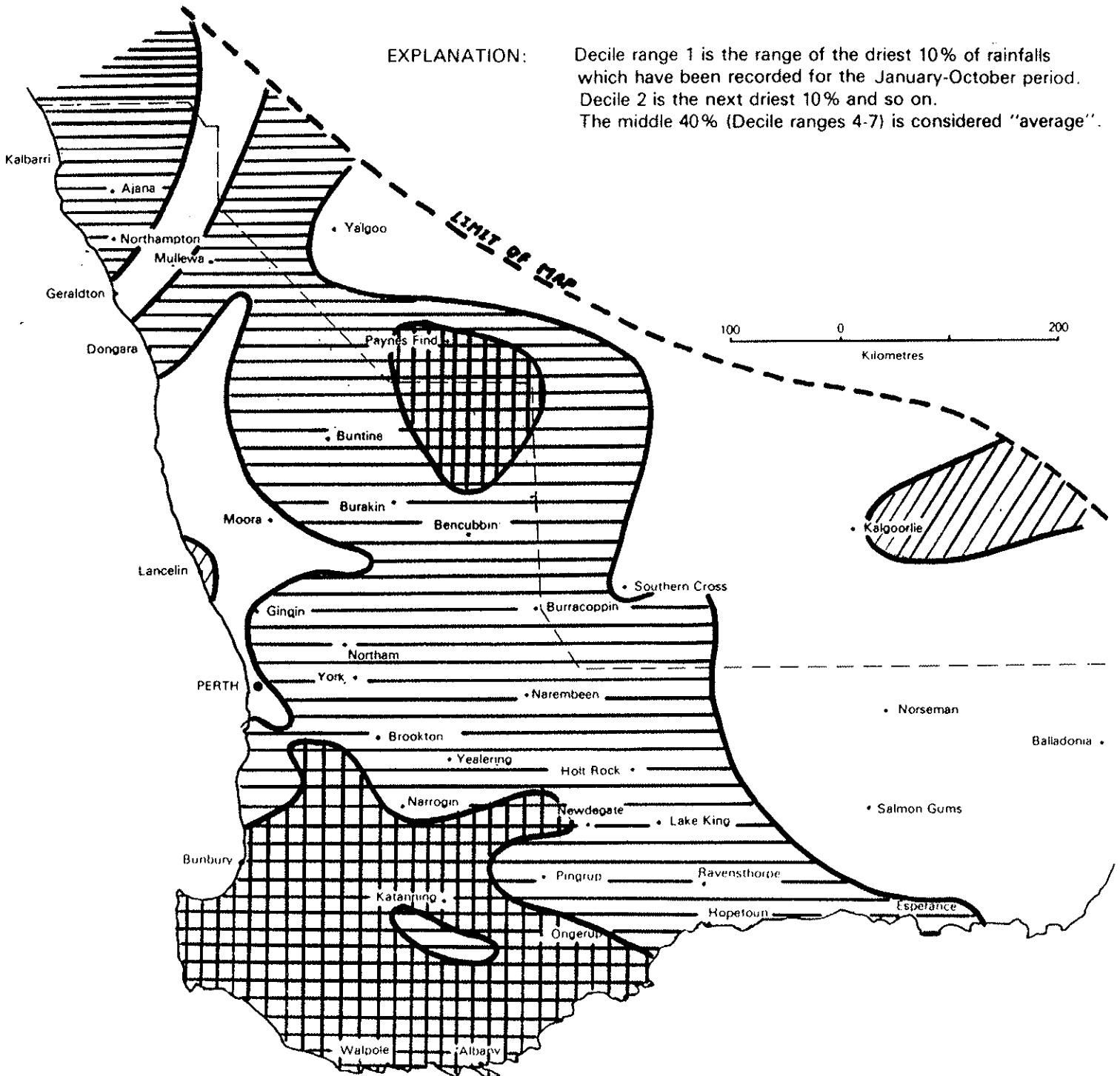
ABOVE AVERAGE - MUCH ABOVE AVERAGE

10

VERY MUCH ABOVE AVERAGE

EXPLANATION:

Decile range 1 is the range of the driest 10% of rainfalls which have been recorded for the January-October period. Decile 2 is the next driest 10% and so on. The middle 40% (Decile ranges 4-7) is considered "average".



FIGURE

Distribution of Decile Range numbers of rainfall, Jan Oct

1997

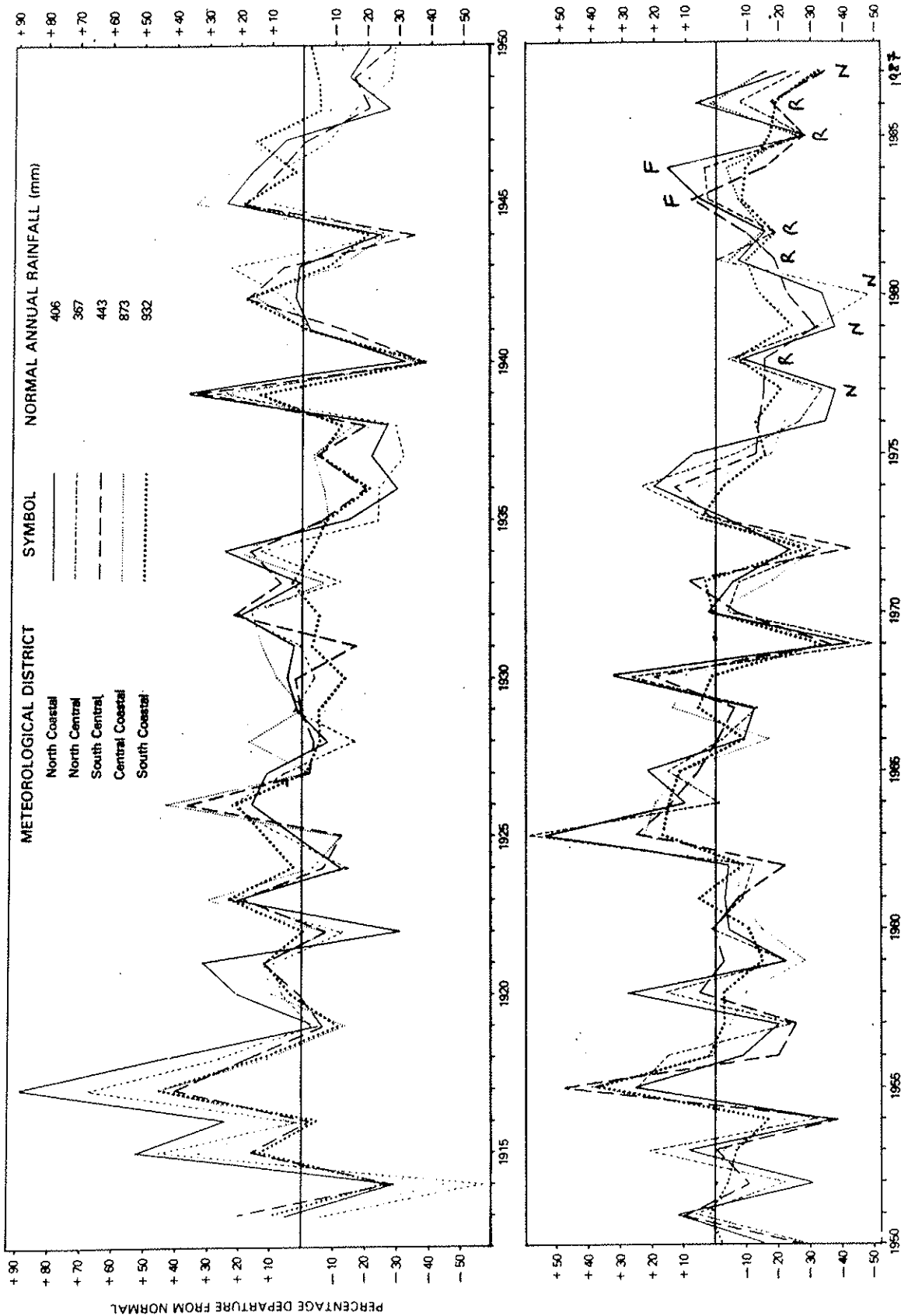


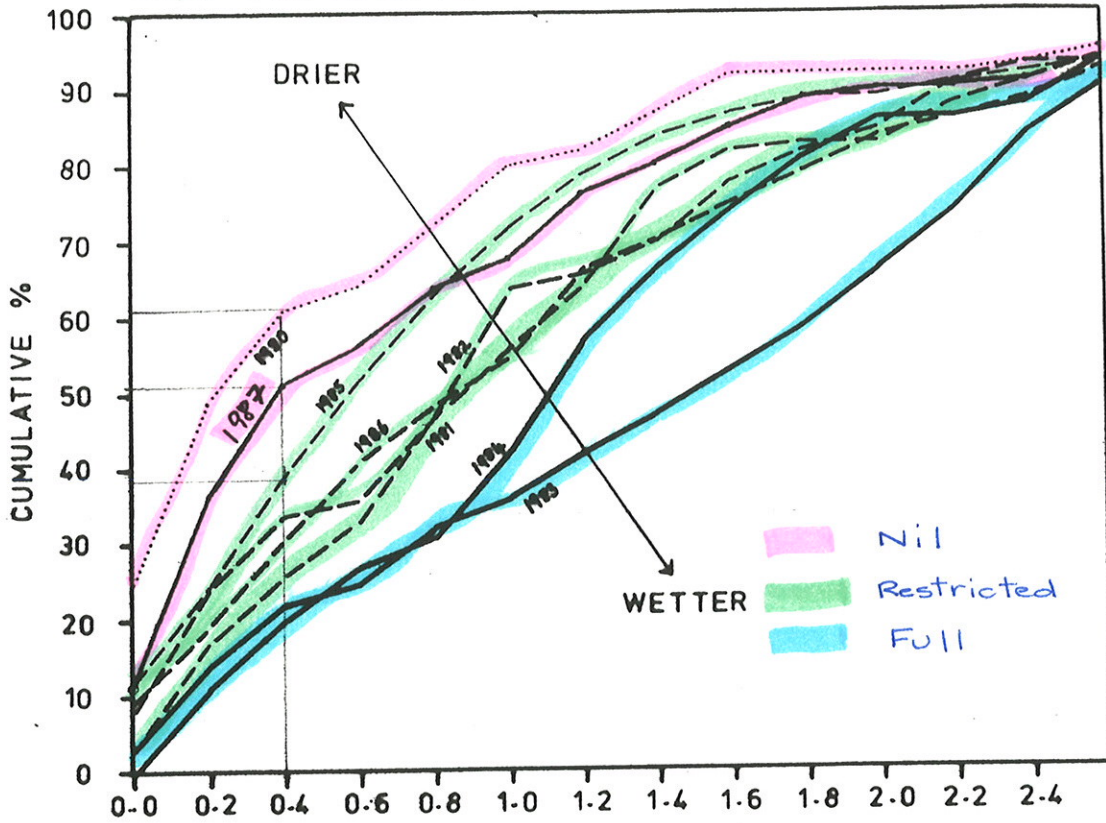
FIGURE 1. Rainfall recorded annually in each of the Meteorological Districts of the south-west, from 1913 to 1987 expressed as percentage departures from normal.

Percentage departures from normal for 1987 are based on January-October rainfall.

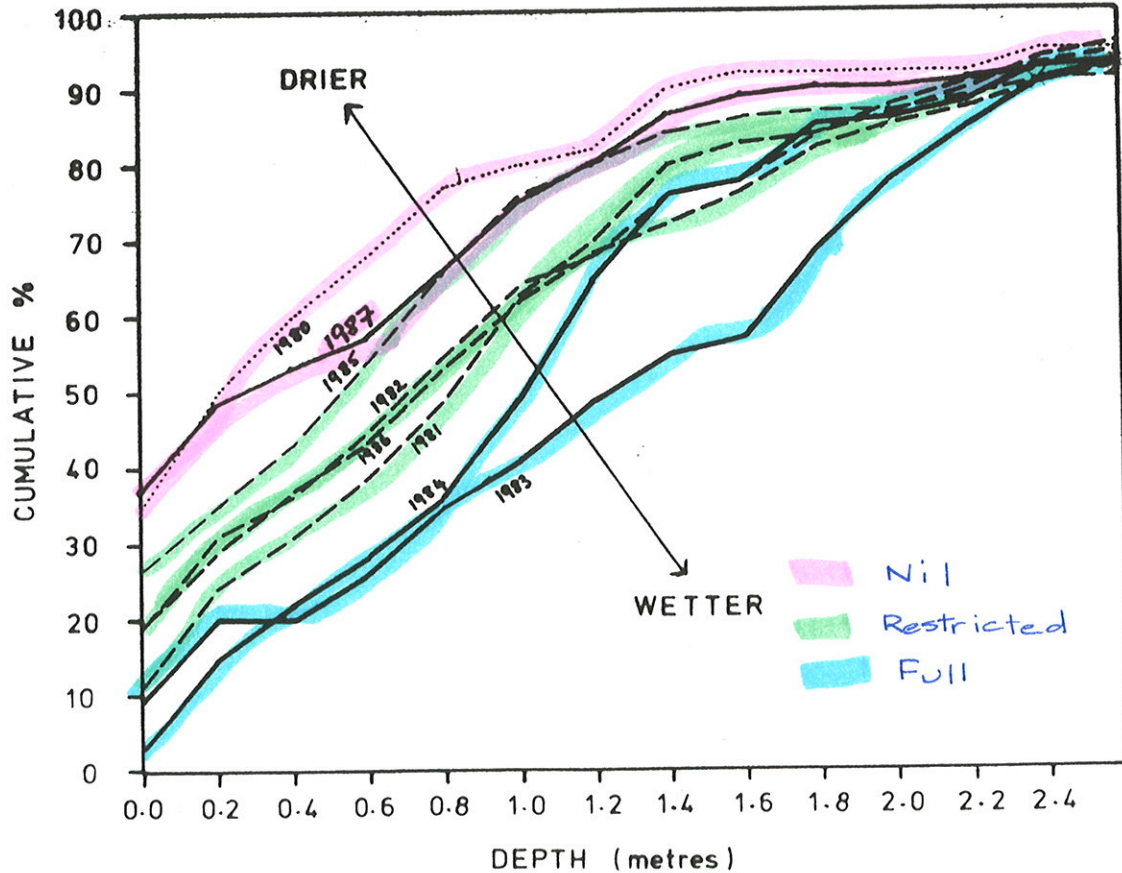
Normal rainfalls for this period are 93-96% of annual totals.

CUMULATIVE PERCENTAGES OF WETLAND DEPTHS
IN SEPTEMBER AND NOVEMBER EACH YEAR FROM 1980-1987.

SEPTEMBERS



NOVEMBERS



[Eg: In September 1985 38% of ganged wetlands were less than 0.4 m deep
 " " 1987 51% " " " " " " " "
 " " 1980 61% " " " " " " " "]

APPENDIX I : NOVEMBER DEPTHS OF MONITORED WETLANDS; 1980-87.

Unnamed Wetlands are referred to by Shire and Reserve Number (eg. Wetland No. 7 : Mt Marshall 26687). See Appendix 2 for wetland locations.

| WET- LAND No. | WETLAND NAME | DEPTH (metres) | | | | | | | | PROBABLE DEPTH JAN 1988* |
|---------------------|-------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------------------|
| | | NOV 1980 | NOV 1981 | NOV 1982 | NOV 1983 | NOV 1984 | NOV 1985 | NOV 1986 | NOV 1987 | |
| 1 | LOGUE | DRY | 1.55 | 0.48 | 2.00 | 1.24 | DRY | 0.24 | DRY | DRY |
| 2 | EGANU | DRY | 2.28 | 2.00 | 2.33 | 2.24 | 0.89 | 2.30 | 0.82 | 0.25 |
| 3 | PINJARREGA | DRY | 2.14 | 0.85 | 2.13 | 2.06 | 0.82 | 0.99 | DRY | DRY |
| 4 | STREETS | DRY | 1.21 | 0.12 | 1.23 | 1.22 | 0.03 | 0.92 | 0.93 | 0.40 |
| 5 | HINDS | DRY | 1.00 | <0.20 | 1.34 | 1.10 | 0.32 | 0.75 | 0.22 | DRY |
| 6 | NINAN | DRY | 1.96 | 0.78 | 2.13 | 1.72 | 0.60 | 1.73 | 0.94 | 0.35 |
| 7 | MT MARSHALL 26687 | - | 0.03 | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 8 | WALYORMOURING | DRY | 0.51 | <0.08 | 0.63 | 0.51 | 0.06 | 0.42 | DRY | DRY |
| 9 | CAMPION | DRY | 0.65 | 0.21 | DRY | 0.63 | DRY | DRY | DRY | DRY |
| 10 | NOONYING | DRY | 1.18 | 0.48 | 1.19 | 1.13 | DRY | 1.15 | 0.29 | DRY |
| 11 | DOBADERRY | DRY | 0.49 | 0.14 | 0.58 | 0.48 | DRY | 0.52 | 0.31 | DRY |
| 12 | BEVERLEY | 0.24 | 1.70 | 1.24 | 1.63 | 1.68 | 0.56 | 1.68 | 0.71 | 0.25 |
| 13 | MEARS | DRY | 1.00 | 0.66 | 2.03 | 1.58 | 0.24 | 1.02 | DRY | DRY |
| 14 | WHITE WATER | - | 1.08 | DRY | 1.70 | 0.66 | DRY | DRY | DRY | DRY |
| 15 | BROWN | DRY | 1.46 | 0.65 | 1.75 | 1.08 | DRY | DRY | DRY | DRY |
| 16 | YEALERING | 0.32 | 1.94 | 1.61 | 2.15 | 1.08 | 0.78 | 1.02 | 1.08 | 0.50 |
| 17 | TOOLIBIN | DRY | 1.35 | 1.05 | 1.93 | 1.11 | DRY | DRY | DRY | DRY |
| 18 | TAARBLIN | DRY | <0.08 | DRY | 2.00 | 1.12 | 0.15 | DRY | DRY | DRY |
| 19 | LITTLE WHITE | 0.47 | 0.81 | 0.81 | 1.30 | 0.69 | 0.41 | 0.16 | 0.63 | 0.30 |
| 20 | KWOBRUP | DRY | DRY | 0.71 | 1.06 | 0.33 | DRY | DRY | DRY | DRY |
| 21 | COYRECUP | <0.13 | 0.35 | 1.89 | 2.24 | 1.69 | 1.13 | 0.21 | DRY | DRY |
| 22 | CASUARINA | <0.49 | 0.90 | 0.60 | 0.94 | 0.95 | 1.05 | 0.94 | DRY | DRY |
| 23 | COBLININE | 1.27 | 1.21 | 2.60 | 5.06 | 4.11 | 3.22 | 2.25 | 1.23 | 0.85 |
| 24 | DUMBLEYUNG | 0.13 | 0.25 | 2.00 | 4.45 | 3.51 | 2.62 | 1.60 | 0.54 | 0.15 |
| 25 | GUNDARING | 0.67 | 0.95 | 1.65 | 2.12 | 1.34 | 1.54 | 0.79 | 0.88 | 0.40 |
| 26 | PARKEYERRING | <0.10 | 0.60 | 1.28 | 1.84 | 1.06 | 1.25 | 0.33 | 0.09 | DRY |
| 27 | FLAGSTAFF | 0.14 | 0.26 | 1.64 | 1.62 | 0.90 | 0.71 | 0.10 | 0.02 | DRY |
| 28 | WARDERING | 0.66 | 0.99 | 0.70 | 1.02 | 1.03 | 1.04 | 0.45 | DRY | DRY |
| 29 | MARTINUP | 0.24 | 0.33 | 1.34 | 1.72 | 1.28 | 1.32 | 0.42 | DRY | DRY |
| 30 | WEST ARTHUR 5456 | DRY | 0.80 | 0.51 | 0.82 | 0.85 | 0.85 | DRY | DRY | DRY |
| 31 | TOWERINNING | 0.54 | 1.10 | 3.14 | 3.40 | 3.17 | 3.32 | 2.57 | 1.56 | 1.05 |
| 32 | CORRIGIN 12900 | - | - | 0.19 | 1.20 | 0.59 | DRY | 0.75 | DRY | DRY |
| 33 | KONDININ | DRY | 0.62 | 0.25 | 1.99 | 0.87 | <0.18 | 0.16 | 0.15 | DRY |
| 34 | GOUNTER | DRY | 0.10 | 0.10 | 0.18 | 0.18 | DRY | 0.33 | DRY | DRY |
| 35 | VARLEY | | DRY | DRY | DRY | 0.04 | DRY | DRY | DRY | DRY |
| 36 | PALLARUP | DRY | <0.07 | DRY | DRY | DRY | DRY | DRY | DRY | DRY |
| 37 | BRYPDE | DRY | DRY | DRY | 1.54 | 0.81 | DRY | DRY | DRY | DRY |
| 38 | ALTHAM | - | DRY | DRY | 1.07 | 0.21 | DRY | DRY | DRY | DRY |
| 39 | YAALUP | - | - | 1.28 | 1.69 | 1.33 | 0.59 | DRY | DRY | DRY |

* Probable depth (rounded to nearest 0.05 m) at commencement of 1988 Duck Shooting Season (i.e. 9 or 10 January 1988).

↑ if it were declared

APPENDIX I - cont'd...

| WET- LAND No. | WETLAND NAME | DEPTH (metres) | | | | | | | | PROBABLE DEPTH JAN 1988* |
|---------------------|-------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------------------|
| | | NOV 1980 | NOV 1981 | NOV 1982 | NOV 1983 | NOV 1984 | NOV 1985 | NOV 1986 | NOV 1987 | |
| 40 | ANDERSON | - | 0.20 | 2.12 | 1.61 | 1.00 | 0.53 | 0.61 | 0.14 | DRY |
| 41 | GNOWANGERUP 26264 | 0.07 | DRY | 0.84 | 0.10 | <0.06 | DRY | <0.05 | DRY | DRY |
| 42 | YELLILUP | - | - | - | - | - | 0.75 | 1.73 | 1.14 | - |
| 43 | ENEMINGA | DRY | 2.42 | 1.39 | 2.52 | 1.35 | 0.19 | 2.11 | 2.46 | 1.90 |
| 44 | GURAGA | - | - | 2.14 | 2.40 | 1.80 | 0.70 | 1.81 | 1.52 | 1.10 |
| 45 | CRACKERS | DRY | 0.05 | DRY | 0.96 | 0.96 | 0.96 | 1.00 | 0.97 | 0.60 |
| 46 | WANNAMAL | 1.24 | 1.23 | 1.30 | 1.32 | 1.28 | 0.92 | 1.32 | 1.28 | 0.85 |
| 47 | YURINE | 0.66 | 2.20 | 1.42 | 1.75 | 1.50 | 0.32 | 1.58 | 1.66 | 1.05 |
| 48 | BAMBUN | 2.31 | 2.32 | 2.26 | 2.35 | 2.25 | 2.30 | 2.46 | 2.20 | 1.70 |
| 49 | CHANDALA | 0.82 | 0.70 | 0.81 | 0.79 | 0.73 | 0.76 | 0.76 | 0.78 | 0.35 |
| 50 | JANDABUP | 1.22 | 1.27 | 1.15 | 1.12 | 1.11 | 0.98 | 1.35 | 1.23 | 0.80 |
| 51 | JOONDALUP | 2.88 | 2.92 | 3.03 | 3.02 | 3.02 | 2.78 | 3.11 | 3.08 | 2.75 |
| 52 | THOMSONS | 0.86 | 0.90 | 0.92 | 0.78 | 1.03 | 0.78 | 1.24 | 1.10 | 0.65 |
| 53 | FORRESTDAL | 0.79 | 0.93 | 0.64 | 0.76 | 0.78 | 0.55 | 1.08 | 0.66 | 0.20 |
| 54 | CLIFTON | - | - | - | - | - | 4.35 | 4.37 | 4.09 | 3.70 |
| 55 | NINE MILE | - | 1.37 | 1.77 | 1.96 | 1.83 | 1.61 | 1.45 | 1.08 | 0.70 |
| 56 | HARVEY 12632 | 1.16 | 1.08 | 1.47 | 1.38 | 1.05 | 1.22 | 1.11 | 0.66 | 0.10 |
| 57 | EGRET | - | - | - | - | - | 0.44 | 0.39 | DRY | DRY |
| 58 | BOYUP BROOK 18239 | <0.05 | DRY | DRY | 0.65 | 0.13 | DRY | DRY | DRY | DRY |
| 59 | BROADWATER | - | - | - | - | - | 0.84 | 0.68 | 0.52 | DRY |
| 60 | JASPER | - | - | - | - | - | 9.40 | 9.58 | 9.14 | 8.80 |
| 61 | UNICUP | 0.60 | 0.64 | 0.19 | 0.94 | 0.70 | 0.34 | 0.17 | 0.06 | DRY |
| 62 | MUIR | 0.17 | 0.52 | <0.02 | 0.42 | 0.26 | 0.20 | 0.05 | 0.20 | DRY |
| 63 | TORDIT-GARRUP | 2.75 | 2.88 | 2.65 | 2.49 | 2.54 | 2.29 | 1.94 | 1.29 | 1.00 |
| 64 | YARNUP | 0.80 | 0.94 | 0.80 | 0.94 | 0.95 | 0.97 | 0.96 | 0.67 | 0.45 |
| 65 | WARRINUP | 0.21 | 0.12 | DRY | 0.14 | 0.19 | DRY | 0.13 | DRY | DRY |
| 66 | KWORNICUP | 0.26 | 0.39 | <0.09 | 0.14 | 0.51 | 0.14 | 0.36 | 0.07 | DRY |
| 67 | POWELL | - | 0.96 | 0.94 | 0.69 | 1.00 | 0.71 | 0.84 | 0.86 | 0.60 |
| 68 | PLEASANT VIEW | 1.52 | 1.15 | 0.79 | 0.46 | 0.39 | 0.48 | 0.72 | 0.08 | DRY |
| 69 | MOATES | 4.51 | 4.32 | 4.22 | 4.26 | 4.34 | 4.38 | 4.38 | 4.32 | 3.85 |
| 70 | METTLER | - | - | 0.44 | 0.11 | 0.15 | 0.25 | 0.47 | 0.13 | DRY |
| 71 | JERDACCUTTUP | 1.30 | 0.62 | <0.45 | 0.78 | 1.11 | 0.54 | 3.15 | 2.64 | 2.25 |
| 72 | SHASTER | 0.17 | 0.20 | DRY | 0.20 | 0.40 | 0.36 | 1.00 | 0.34 | DRY |
| 73 | ESPERANCE 26410 | - | DRY | DRY | DRY | 0.14 | DRY | 1.97 | 1.33 | 1.20 |
| 74 | GORE | 1.35 | 1.32 | 1.04 | 0.58 | 1.67 | 1.50 | 1.68 | 1.55 | 1.15 |
| 75 | SHARK | 2.25 | 2.29 | 2.22 | 1.66 | 2.34 | 2.13 | 2.36 | 2.25 | 1.95 |
| 76 | WARDEN | <0.84 | 0.66 | 0.40 | <0.19 | 1.34 | 0.63 | 1.65 | 0.98 | 0.55 |
| 77 | MULLET | 0.57 | 0.53 | 0.58 | 0.05 | 0.56 | 0.66 | 0.64 | 0.65 | 0.25 |
| 78 | DUNDAS 33113 | <0.32 | <0.24 | DRY | DRY | <0.34 | DRY | DRY | DRY | DRY |
| 79 | ESPERANCE 27985 | - | DRY | DRY | DRY | <0.02 | DRY | 0.08 | DRY | DRY |

APPENDIX 2.

LOCATION OF GAUGED
WETLANDS

See Appendix 1 for wetland names.

