Dryanda, Perup Survey. . .

INCREAS ENCOURAGIN

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THE NUMBER of Woylies and some other mammals in the Dryandra and Perup State forests has increased over the past few years.

This was indicated by a survey completed recently Manjimup by research staff.

In June, 1984, a three-week field survey was carried out to investigate the role of fire in the main-tenance of ecological processes in the Dryandra forest.

Because fire is the chief means of environmental manipulation available to the manager of a fire-prone environment, the survey environment, the survey was designed to provide in formation to managers and enable the production of a detailed management plan.

The survey revealed that fire originating from Dryandra forest has not posed threat to surrounding farmers in the past.

Low fuel loadings

accumulation rates and the distribution and structure of fuels confirms that fire control criteria are con-siderably different in Dryandra than in the jarrah and karri forest, but there is still the need to prevent wildfires. The very slow

The very slow response of rootstock species, the poor crown recovery of poor crown trees, the high proportion of fire sensitive species and the slow rates of ground litter accumulation suggest the relative infrequency of fire in this

environment.

Hence, frequent fires have serious implications for some important vege-tation associations in

Dryandra. Many rare species of marsupials depend on the variety and pattern in the vegetation of Dryandra forest.

In the survey, trapping was carried out to obtain species lists and relative abundances of some species in different vegetation types.

The Woylie is readily trapped in those areas where it occurs at any time of the year, so the survey team was able to compare trapping success with other years, seasons and areas years, seasons for this species.

Previous trapping revealed low numbers Woylies in Dryandra. numbers

Trapping rates of only 2.8 percent were obtained in Dryandra in 1971-72 and no animals were caught during 158 trap nights in 1975.

The recent survey had relatively high capture rates of 9.7 percent, with a 15.3 percent rate in lateritic upland areas.

Woylies have been

Woylles have been trapped regularly since 1972 in the Perup forest, 40km east of Manjimup. Populations have been increasing since 1977 and are now at a relatively high level.

The periods of low and high numbers in the Perup

correspond with previous low and high captures in Dryandra.

Other species in the Perup are currently higher than in previous years and when the poulation of one species is high, many others may also be high.

During the survey at Dryandra, high capture rates of several species were arienced: 30 Phasrates of several experienced: 30 Phase experienced: (Phascogale (Phascogale cogales (Phascogare calura), 25 Mardos (An-techinus flavipes) and 4 (Trichosurus vulpecula).

The high rates for several species not usually caught in large numbers in Perup should not lead us to

complacency.

If populations have been low at one time, they can be low again. There is much less flexi-

bility in management when animals are at low population densities.

If populations of these species change, it is impor-tant to know at what level populations exist when carrying out management operations that are likely to affect them.

Monitoring of populations through trapping will, therefore, become an im-portant responsibility for a manager.

Specialist branches would assist with estab lishing the operation and with interpreting the data.

Regular monitoring and a historical perspective will provide a valuable insight into the state of environ-mental health of the

It also improves the managers' knowledge and understanding of the ecology of their forest.

ON April 6, CALM Collie was challenged by Greening Australia 2 limited overs cricket match.

CALM won the toss and sent the Greenies into bat and struggled hard to dismiss the

opening pair.
Once this was achieved wickets tumbled regularly and the Greenies were all out for 107

The best contributors for the Greenies was their skipper John Hughes who made 29 and wides 25.
CALM's innings

started well with an opening partnership of

From this point on the batsmen took com-plete control and a top score of 40 by John McKenzie Snr. was fol-lowed by Mark Humble on 32, Charlie Chapman on 29, Peter Conlan on 24, with all others get-

ting reasonable scores. CALM was dismissed

for 197. A great day was had by all and as usual the victory keg followed which was most enwhich was most en-joyable after a long day in the field.

WDA tours forest

THE South West Development Authority committee was taken on a familiarisation tour of the karri forest and an inspection of bush and mill operations by the Forest Products Association this month.

SWDA advisory committee chairman John Mumme said he was satisfied that all the community's interests were catered for in the forests of the South West.

Mr Mumme said the tour was most worthwhile as it placed the advisory committee members in a better position to give first hand advice on timber industry matters.