

Changing Landscapes Starts by Changing Ourselves

UMCCC Forum 2016

Managing Your Land for the Future

Resilience and Adaptation for Climate Change

David Marsh, Boorowa NSW

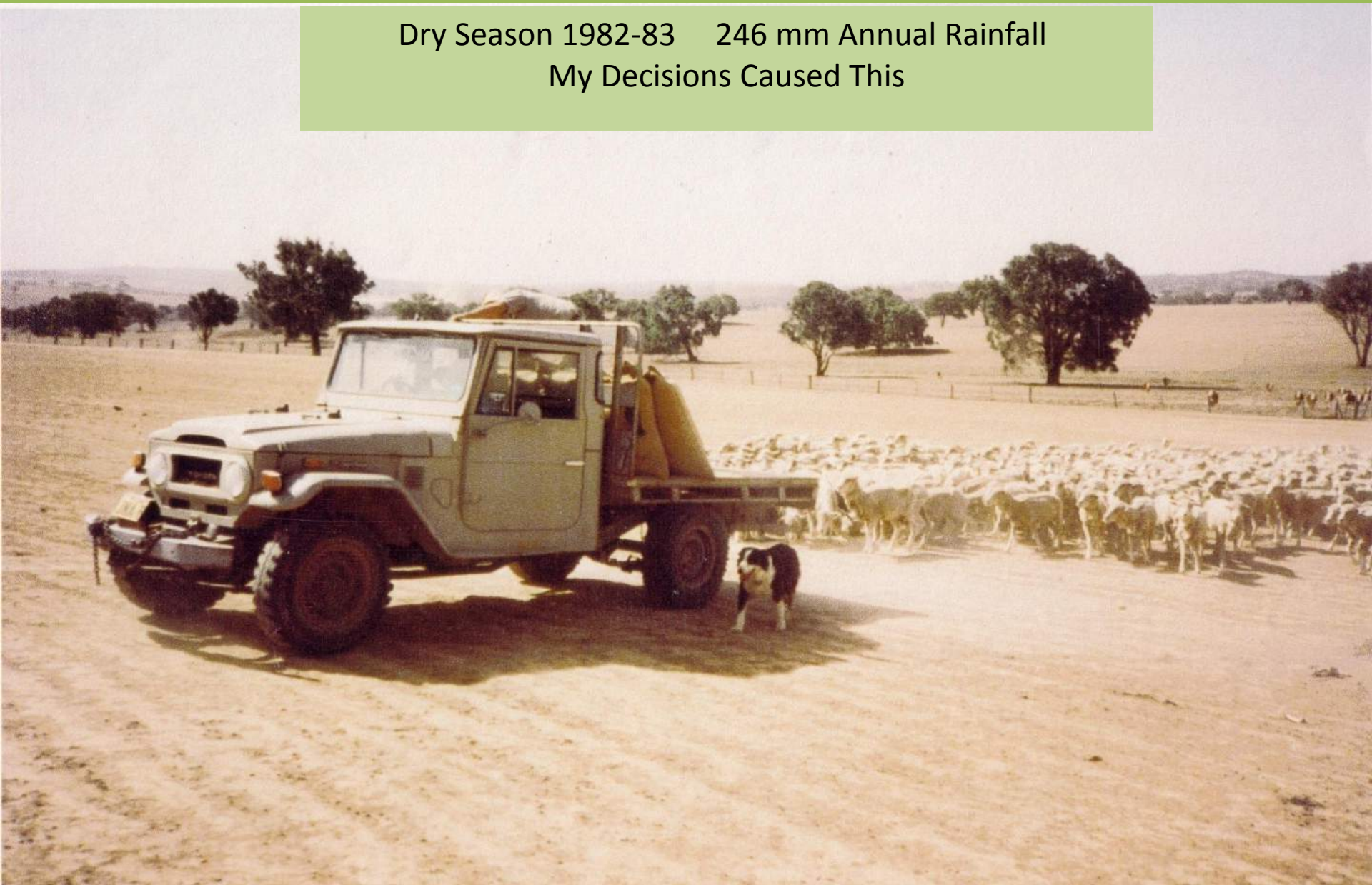
0429400706

ARLASH.com.au

Allendale, Boorowa



Dry Season 1982-83 246 mm Annual Rainfall
My Decisions Caused This

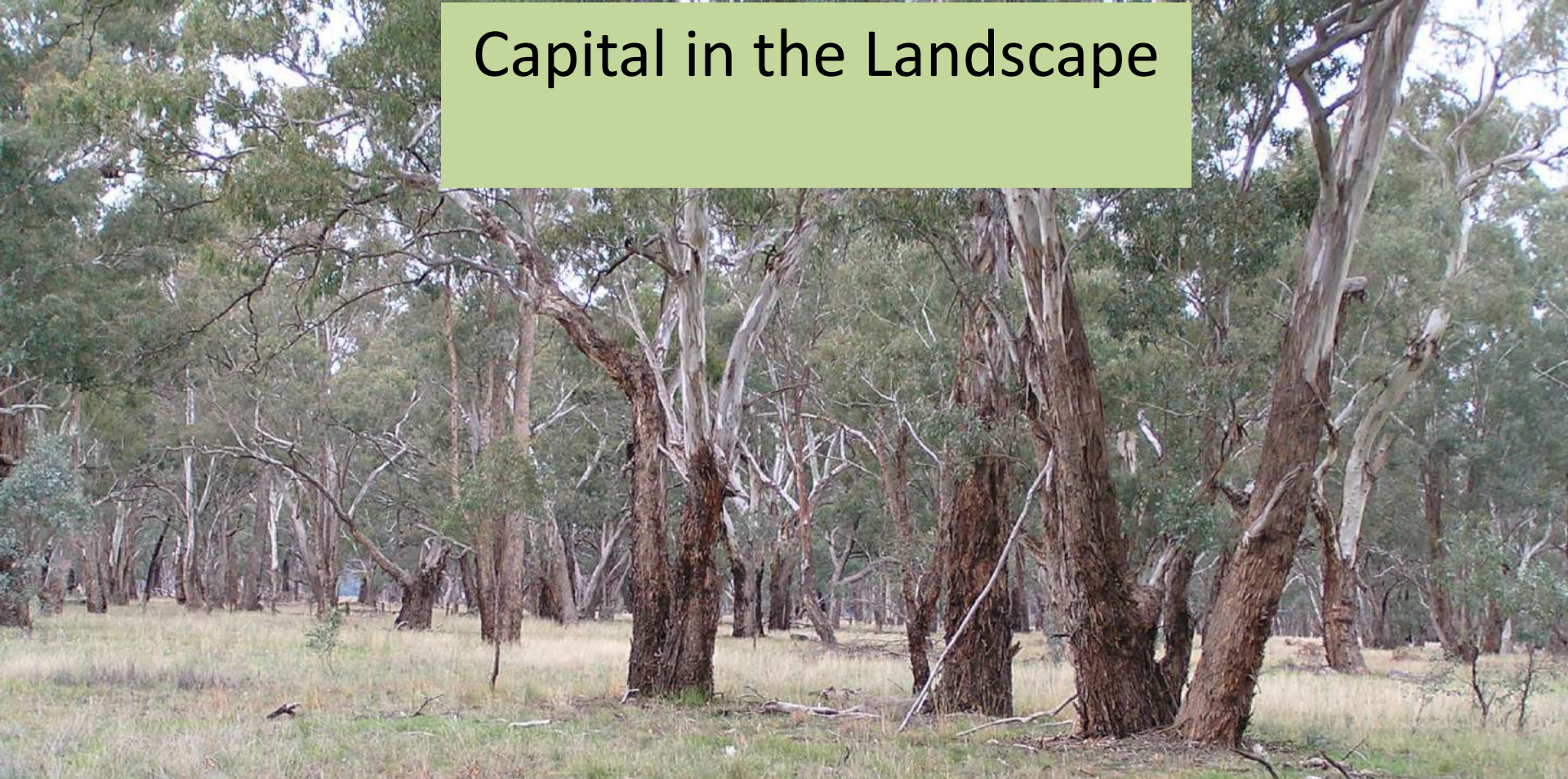


The Natural Tendency of Evolution

has been to

Elaborate and Diversify the Biota

Capital in the Landscape



Living organisms use less than 1% of the solar energy that bathes the world each day

Complex Communities Expend 33% of Absorbed Solar Energy to Maintain Structure and Diversity

Ecosystem Building Blocks

Water cycle

Mineral cycle

Energy flow

Community
dynamics

The Simplified Agricultural Landscape Requires Annual
Inputs of Purchased High Energy Products to Keep it in this
Disturbed Early- Successional State



Biological breakdown is slow, in a brittle temperate climate



Capital liquidation



