TIWI ISLANDS FIRE MANAGEMENT PLAN 2014

Since 2006 discussions have been held in the Tiwi Land Council, and subsequently in the Tiwi Islands Fire Management Committee, about fire management for greenhouse gas abatement. There has been unwavering and unanimous resolve for the development and implementation of a fire management plan that reduces greenhouse gas emissions. These reduced emissions can subsequently be sold in carbon markets, potentially generating income that can be used for the continuing employment of Tiwi Rangers.

Greenhouse gas emissions can be reduced by burning earlier in the year, and by burning less area overall. Early season burning (before the end of July) results in cooler fires, and these fires give off less greenhouse gas. Late season fires (fires after the beginning of August) are hotter and create more greenhouse gas. In addition, cool fires burn more patchily, and are less destructive to Tiwi plants and animals.

The Tiwi Islands Fire Management Committee has been meeting regularly over the past 6 months to develop a plan to reduce the area of the Tiwi Islands that is burnt in the late dry season. On the 20th May 2014, the Committee signed off on the Tiwi Islands Fire Management Plan for 2014. The four management strategies being used to reduce late season fires are:

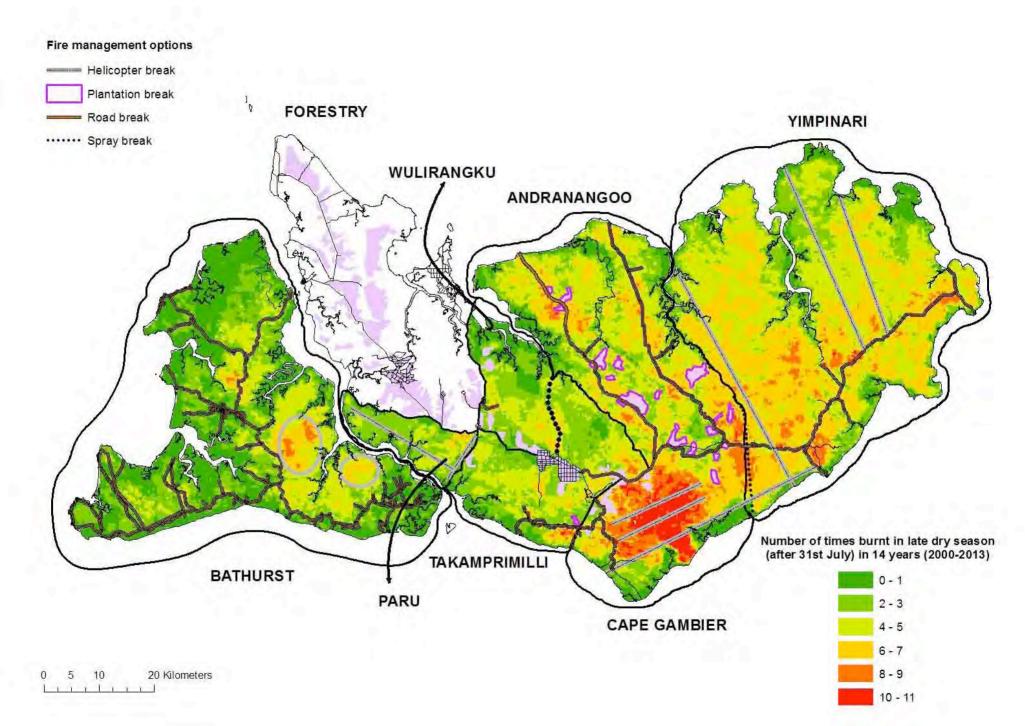
- Creating firebreaks during the late wet season by spraying the grass with herbicide and then burning while the surrounding vegetation is still green (creating a spray break);
- Helicopter burning early in the dry season to reduce fuel loads and provide patches of burnt country that stop late fires from running (creating a helicopter break);
- Ground based burning along roadsides in the early dry season to reduce fuel loads and provide patches of burnt country that stop late fires from running (creating a road break);
- Grading firebreaks around assets such as plantations (plantation break) and outstations and burning off them early in the dry season (protection burning)

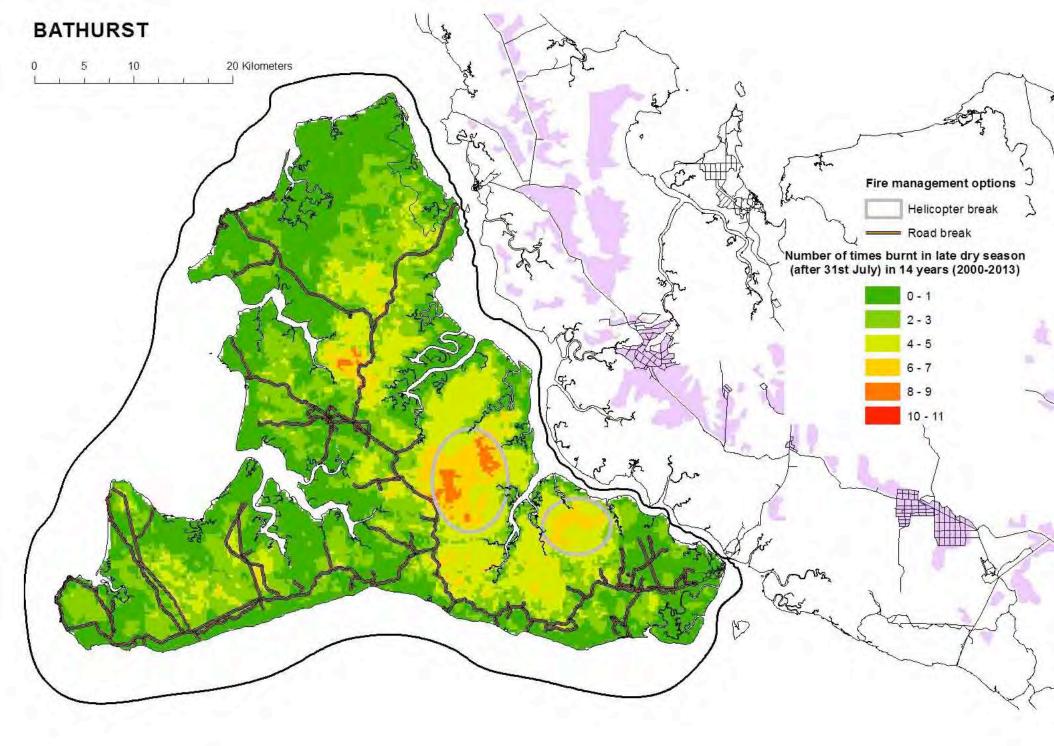
The Tiwi Islands have been split into 8 areas for the purpose of fire management; shown on the the following maps. Areas are not based on Landowning boundaries - they are split up according to the landscape and natural features. This way each area can be treated as a separate unit so that fires from one area do not run into another area.

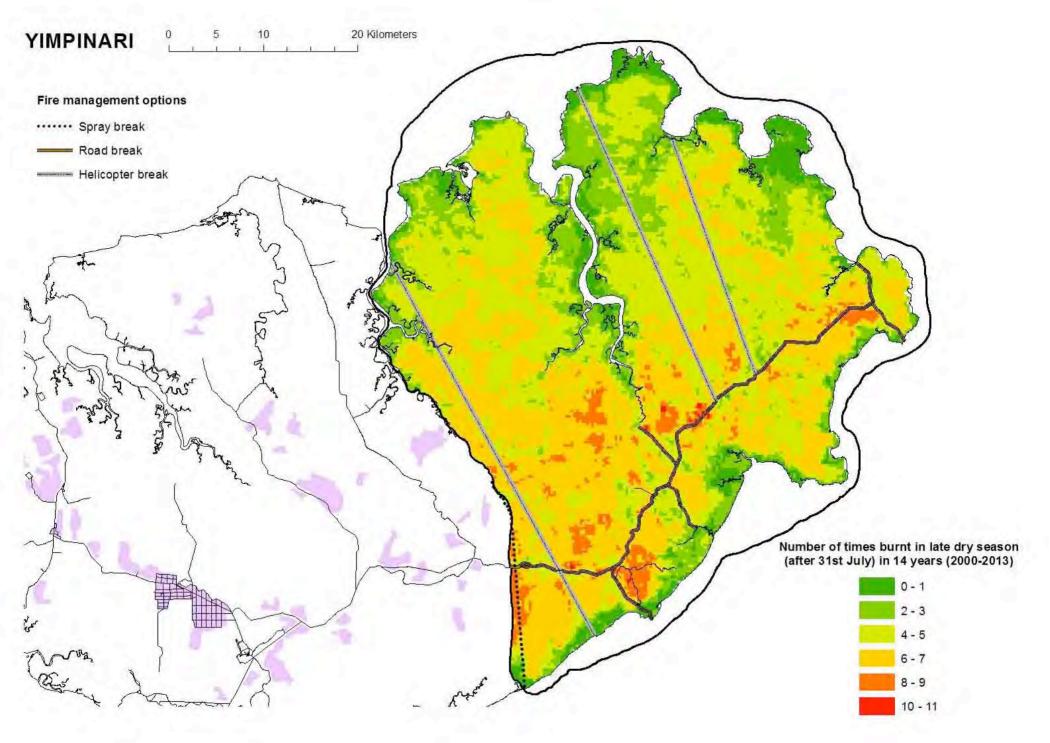
Each map shows the number of times areas have been burnt in the late dry season. Red areas have been burnt regularly in the late dry season, and are of particular focus for 2014 fire management. It is these areas that need to be burnt early to reduce greenhouse gas emissions, or protected from fire later in the season.

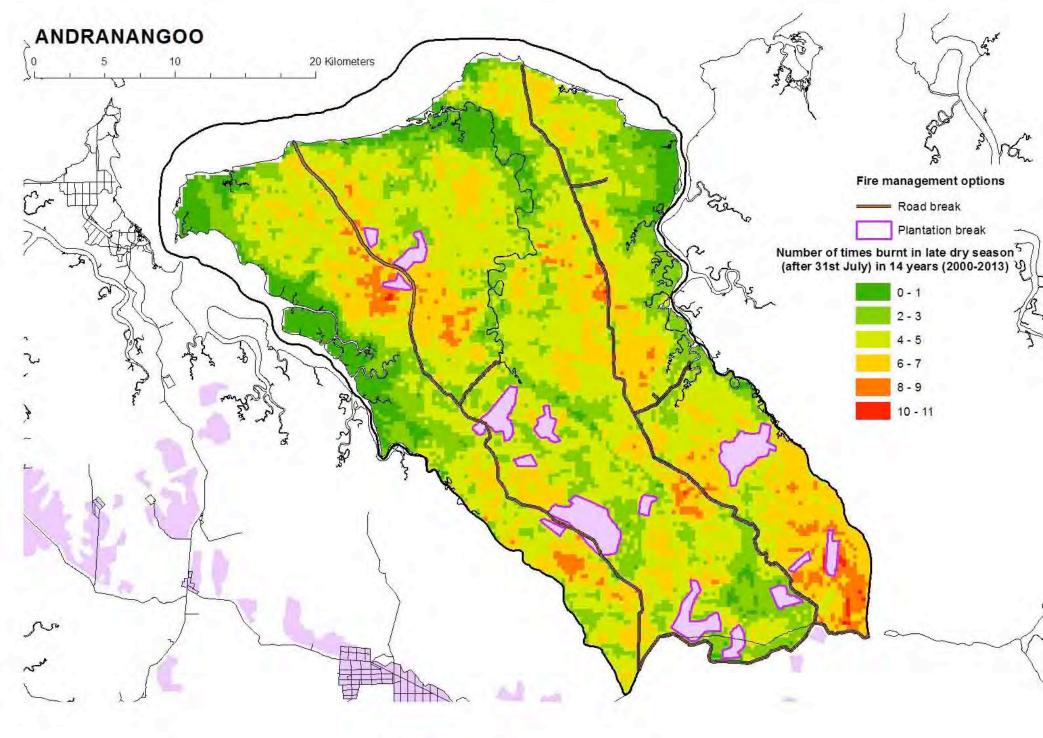
Management strategies for reducing late season fires are shown on the maps as Helicopter Break (grey line), Plantation Break (purple line), Road Break (Brown line) and Spray Break (dotted line). The timing of operations and resources required are listed in a table following the maps.

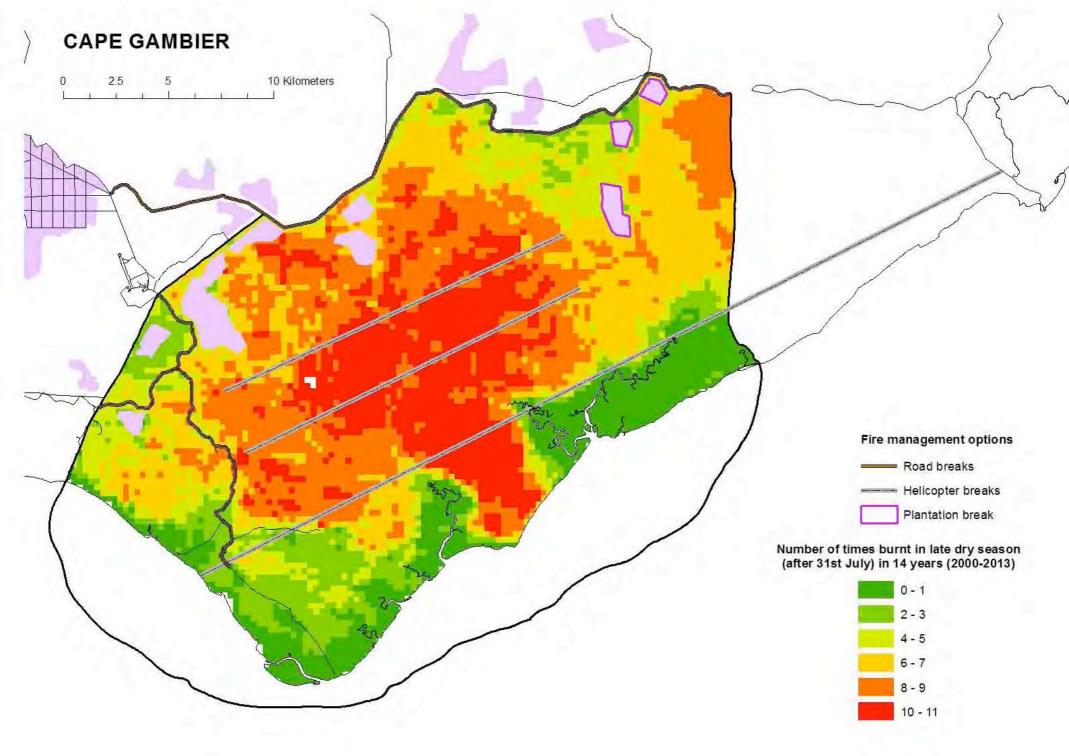
The northwest area of Melville Island is not inlouded in this fire management plan. This is the area where most of the plantation forestry is located, and forestry managers implement a separate fire protection plan for the plantations. The Tiwi fire crew will be working closely with forestry fire crews in this area, and may undertake additional burning once the plantations are adequately protected.

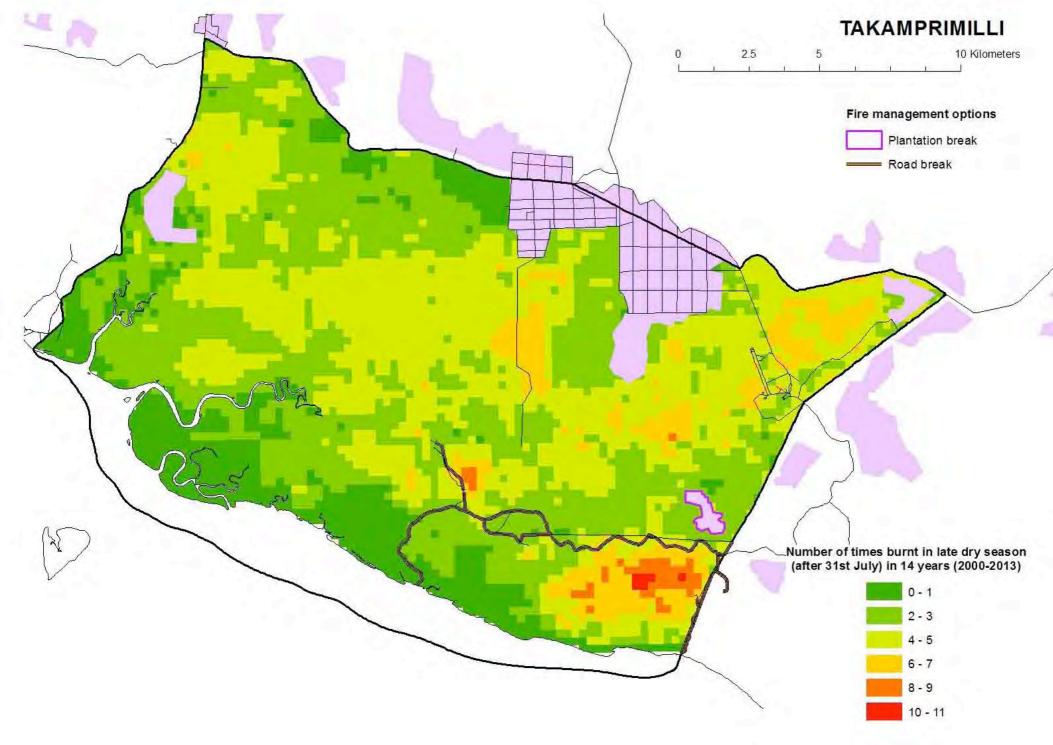


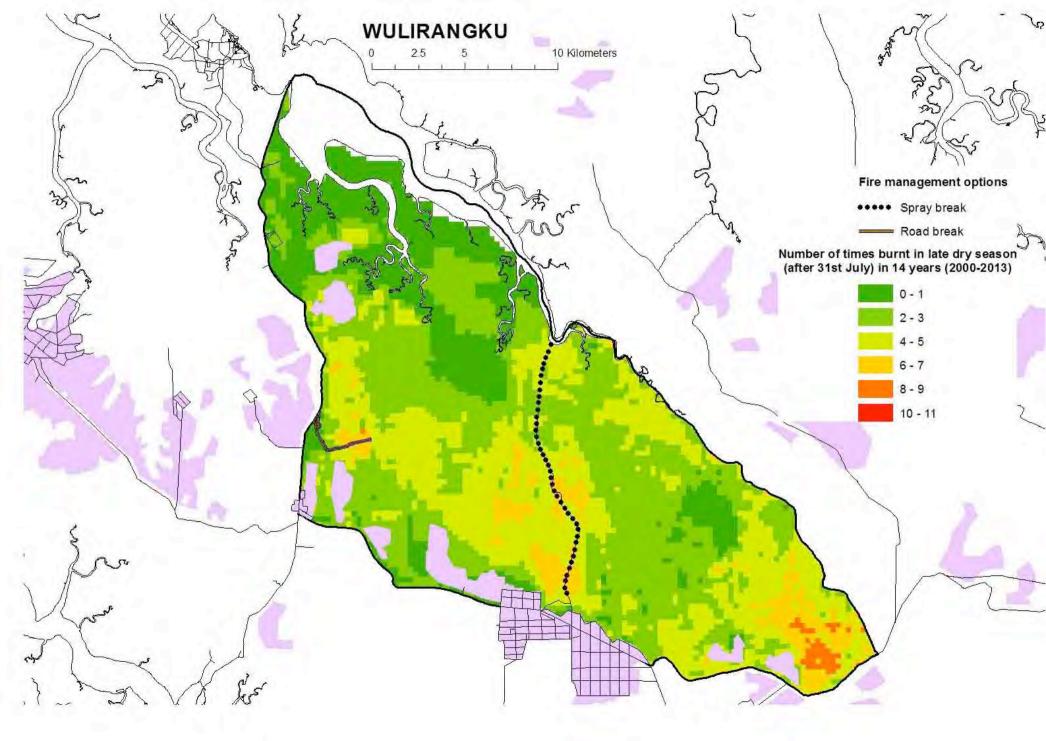


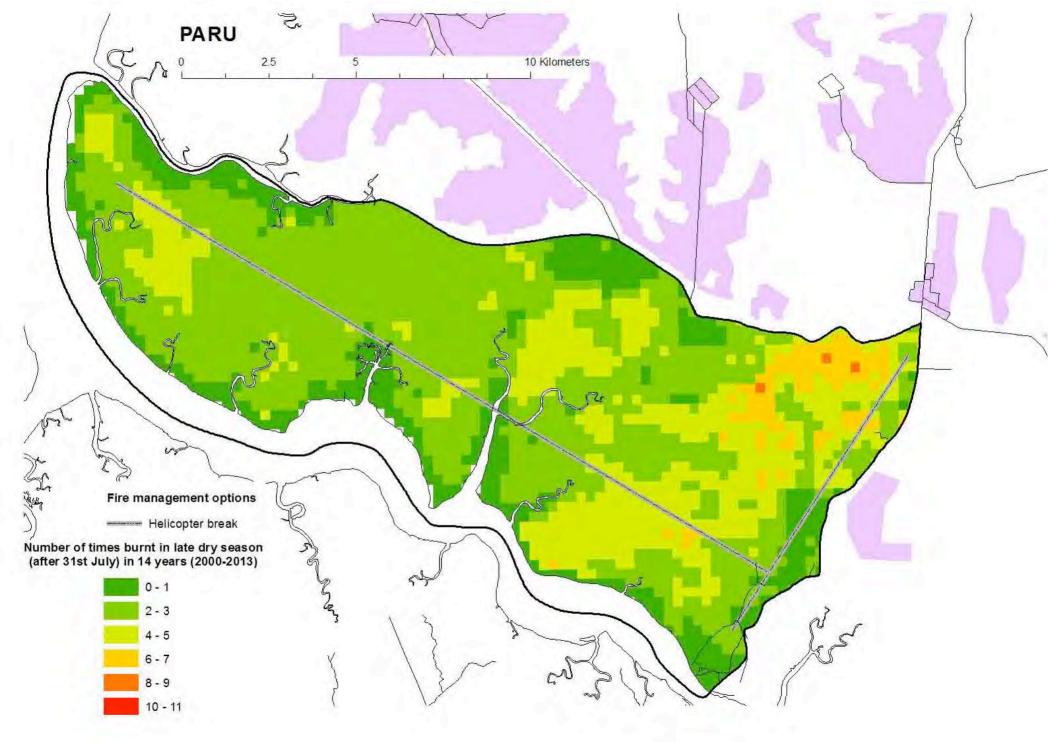












TIMING

	Activity					
1	Spray breaks in Yimpinari and Wulirangkuwu					
2	Check country for dryness in Yimpinari and Bathurst					
3	Grade plantation breaks around Pickertaramoor 9, Jessie 1-4, Andranangoo 3-12 and Bonkalji 1-3 in this order					
4	Protection burn around Paru and Taracumbi					
5	Protection burn around Telstra tower					
6	Burn roadsides in Bathurst and Yimpinari					
7	Helicopter burning in Bathurst, Yimpinari and Paru					
8	Protection burning around plantation boundaries in Andranangoo and Jessie plantations					
9	Protection burn around Tiwi College. Burn roadsides in Takamprimili and Andranangoo					
10	Helicopter burning Cape Gambier (after plantation boundary protection burns by forestry at Pickertaramoor and Andranangoo 1-2)					
11	Redo helicopter burning where required in Bathurst, Yimpinari and Paru, including any extra runs in Yimpinari					
12	Burn roadsides in Cape Gambier - include any missing main road areas					
13	Redo helicopter burning where required in Cape Gambier					

	Responsibilities/resources	Week starting											
Activity		May 26th	June 2nd	June 9th	June 16th	June 23rd	June 30th	July 7th	July 14th	July 21st	July 28th	Aug 4th	
1	Tiwi Fire crew & helicopter												
2	Tiwi Fire crew & TO												
3	Contractor & forestry												
4 & 5	Tiwi Fire crew & forestry												
6	Tiwi Fire crew												
7	Tiwi Fire crew & helicopter												
8	Tiwi Fire crew & forestry												
9	Tiwi Fire crew												
10 & 11	Tiwi Fire crew & helicopter												
12	Tiwi Fire crew												
13	Tiwi fire crew & helicopter												

TIWI ISLANDS FIRE COMMITTEE

Chair	Willie Rioli					
NT Bushfires Council representative and TLC Chairman	Gibson F Illortaminni					
Members	Desmond Bruppacher Christopher Burak David Guy Colin Kerinaiua Vivian Kerinaiua Jack Long Vincent Mungatopi Jose Puruntatameri Willie Roberts Dennis Tipakalippa Connell Tipiloura Brian Tipungwuti John Wilson Kim Wommatakimmi Pedro Wonaeamirri					
Tiwi Islands Fire Coordinator	Bruce Holland					
TLC Environment Manager	Kate Hadden					
CSIRO	Anna Richards					