Supporting facts - Queensland deforestation campaign, 2020

Deforestation rates

Claim: “Queensland is on the list of top 10 deforestation hotspots”

Primary source:

- A major study in 2015 by WWF-International into global deforestation established the world’s top 11 deforestation fronts for the period 2010-2030.1 “Deforestation fronts” are defined in the Report as “the places where the largest concentrations of forest loss or severe degradation are projected between 2010 and 2030.”2 This factors in both recent deforestation and projected deforestation in a business as usual scenario.
- By scale of projected loss, “Eastern Australia” came in as number 10 in this study with 3-6 million hectares of projected loss in 2010-2030. The Top 11 with associated projections are extracted below.3

<table>
<thead>
<tr>
<th>Deforestation Front</th>
<th>Projected loss (million ha) 2010 to 2030</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amazon</td>
<td>23-48</td>
</tr>
<tr>
<td>Atlantic Forest/Gran Chaco</td>
<td>10</td>
</tr>
<tr>
<td>Borneo</td>
<td>22</td>
</tr>
<tr>
<td>Cerrado</td>
<td>15</td>
</tr>
<tr>
<td>Chocó-Darién</td>
<td>3</td>
</tr>
<tr>
<td>Congo Basin</td>
<td>12</td>
</tr>
<tr>
<td>East Africa</td>
<td>12</td>
</tr>
<tr>
<td>Eastern Australia</td>
<td>3-6</td>
</tr>
<tr>
<td>Greater Mekong</td>
<td>15-30</td>
</tr>
<tr>
<td>New Guinea</td>
<td>7</td>
</tr>
<tr>
<td>Sumatra</td>
<td>5</td>
</tr>
<tr>
<td>Total from 11 deforestation fronts</td>
<td>127-170</td>
</tr>
</tbody>
</table>

Sources for the figures are given in the sections on the individual deforestation fronts.

- “Eastern Australia” includes both Queensland and New South Wales. However, 

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Queensland makes up the vast majority of the 3-6 million hectare figure. Queensland alone is projected to be responsible for up to 4.7 million hectares of clearing in the report. Queensland alone therefore comes in with greater projected deforestation 2010-2030 than Choco-Darien (on the border of Colombia and Panama). This figure was based on an assumption of at least 234,000 hectares a year of clearing carrying forward every year.

- The Australian Federal Government’s Greenhouse Gas Inventory reporting supports the fact that Queensland makes up the vast majority of clearing within “Eastern Australia”. The Land Use, Land Use Change and Forestry (LULUCF) Activity Table: 1990-2018 shows that in 2018, Queensland’s clearing made up 78% of the total clearing for Queensland and New South Wales combined. While these data are based on different methodology than that used in the WWF-International report, they do provide a general relative indication of Queensland’s contribution to clearing rates.

**Claim:** “Between 2013 and 2018, over 1.6 million hectares were bulldozed in Queensland”

**Primary source:**
- According to the Queensland Government’s Statewide Land and Tree Study reports, over 1.6 million hectares of forest and bushland have been cleared in Queensland between 2013-2018.
- Queensland deforestation and land clearing rates from 2010-2018:
  - 2010-2011: 92,000 hectares
  - 2011-2012: 155,000 hectares
  - 2012-2013: 261,000 hectares
  - 2013-2014: 295,000 hectares
  - 2014-2015: 298,000 hectares
  - 2015-2016: 390,000 hectares
  - 2016-17: 356,000 hectares
  - 2017-18: 392,000 hectares

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5 The upper end estimate for Queensland alone was derived from the graph on p. 34 of WWF-International’s 2015 Living Forests Report. The estimate of 234,000 per year was derived from dividing Queensland’s upper end estimate of 4.7 million ha by the timeframe (20 years).
Claim: “An area of forest and bushland the size of the Gabba stadium is bulldozed every 3 minutes in Queensland”

Primary source:
Queensland deforestation reached a staggering 392,000 hectares in the year of 2017-2018, according to the most recent state Government data⁹.

- The rate of deforestation/land clearing in Queensland, according to the most recent statistics released by the Queensland Government, is 392,000 hectares for 2017-18.
- 392,000 hectares ÷ 365 days = 1,073 hectares cleared per day
- 1,073 hectares ÷ 24 hours = 44 hectares per hour
- 44 hectares ÷ 60 minutes = 0.7 hectares per minute
- 0.7 hectares x 3 minutes = 2.1 hectares per minute
- Gabba grounds = 1.8 hectares¹⁰
- Thus, a little over one Gabba ground is cleared every 3 minutes.
- Also, 1,073 hectares per day ÷ 1.8 hectares = 596 Gabba grounds are cleared per day

Claim: “Last time the laws got rolled back, we saw a four-fold increase in deforestation in Queensland”

Primary source:
- From 2012, the former Newman-led LNP state government systematically weakened land clearing laws. They began in 2012 by introducing area management plans that allowed clearing without permits, suspension of penalties, and slashing of compliance staff and effort.
- Then in 2013¹¹, they took the axe to the Vegetation Management Act¹² by (among other things):
  - Reversing the 2006 ban on broadscale clearing of mature forests by introducing a new loophole for “high value agriculture”;
  - Removing protections for other high conservation value regrowth bushland that had been in place since 2009;
  - Ending the need for permits for most most rural tree clearing via “self-assessable codes”; and
  - Making it harder to take action against illegal clearing.

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As a result, land clearing rates went from 92,000 hectares in 2010-11, to 155,000 hectares in 2011-12, 261,000 hectares in 2012-13, 295,000 hectares in 2013-14, 298,000 hectares in 2014-15, 395,000 hectares in 2015-16, 356,000 hectares in 2016-17 and 392,000 hectares in 2017-18. This is a more than a four-fold increase in deforestation and land clearing from 2011 (when the former laws were in place) to 2018 (the latest available data which was released just after the laws were tightened again, but does not reflect those tightened changes).

**Impacts of clearing on wildlife**

**Claim: “Australia is the worst offending country in the world for mammal extinctions”**

**Primary source:**

- As discussed in the Proceedings of the National Academy of Science, “highly distinctive and mostly endemic Australian land mammal fauna has suffered an extraordinary rate of extinction (>10% of the 273 endemic terrestrial species) over the last ~200 y. In comparison, only one native land mammal from continental North America became extinct since European settlement”\(^\text{13}\).
- As at 4/9/20, the IUCN Red List database contained 84 extinct mammals across the world. Of these, 25 were from Australia plus another 3 were from Christmas Island. This is the highest number of extinct mammals recorded in any country globally\(^\text{14}\).

**Claim: “45 million native animals were killed every year”**

**Primary source:**

- In Queensland, scientists estimated that approximately 34 million vertebrate animals lost their habitat and were presumed killed by deforestation and land clearing each year during the period 2013-15\(^\text{15}\). This estimate includes 0.9 million mammals, 2.6 million birds and 30.6 million reptiles.
- That study was later replicated based on the 2015-16 clearing rates, finding that the number of vertebrate animals presumed killed had risen to 44.7 million per annum. This equates to over one native animal being killed every single second because of deforestation\(^\text{16}\).

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\(^{14}\) Based on a filtered search of the IUCN Red List at [https://www.iucnredlist.org/search?searchType=species&scopes=1&taxonLevel=Species&legends=105,1900,1800,305,1901,1801&redListCategory=cr.en.vu&taxonomies=100041&landRegions=AU](https://www.iucnredlist.org/search?searchType=species&scopes=1&taxonLevel=Species&legends=105,1900,1800,305,1901,1801&redListCategory=cr.en.vu&taxonomies=100041&landRegions=AU). The search was based on Species and filters were added to only select Class Mammalia, Red List Category of Extinct and then explored numbers within each Land Region.


Claim: “Deforestation is the greatest threat to many native animals in Queensland”

Primary source:
- Scientists found that habitat loss was the greatest danger facing Australia’s threatened species with 81% of species at threat by this process. In many of Queensland’s coastal and subcoastal bioregions, over 80% of the threatened species were impacted by deforestation and land clearing.
- The Queensland Government’s Species Technical Committee Report into the impact of land clearing on threatened species demonstrated that over 130 endangered and vulnerable wildlife species in Queensland had lost more than half their original habitat extent.
- Expert advice to the Federal Government that summarised the state of the environment stated that tree clearing, inappropriate burning and inappropriate grazing were the biggest threats to Queensland’s threatened wildlife. The report stated “Land clearing for pasture is the greatest pressure on threatened flora and fauna”. The report also highlighted that “pressures interact in complex ways, often compounding the threat to biodiversity”. For example, deforestation removes habitat which may be replaced by agriculture. In turn, grazing cattle or polluted run-off from cropping chemicals may then further damage any remaining habitat.

Impacts of clearing on koalas

Claim: “Koalas numbers have declined by over 50% across Queensland”

Primary source:
- In 2012, expert knowledge was used to estimate koala population trends across Eastern Australia for the past three generations (around 15-21 years) and the next three generations. The researchers found that Queensland koala populations had suffered an estimated 53% decline during that time.
- These estimates are supported by research commissioned by WWF-Australia into koala population trends across Queensland. This work found that koala populations across Queensland had fallen by 49% from 2001 to 2018.

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Claim: “Deforestation is the greatest threat to koalas in Queensland”

Primary source:

- The koala is currently listed at the Commonwealth level as vulnerable in Queensland, NSW and the ACT under the Environment Protection and Biodiversity Conservation Act (1999). At the state level, it is listed as vulnerable in Queensland under the Nature Conservation Act (1992).22
- According to the Queensland Government’s own Species Technical Committee Report into the impact of land clearing on threatened species, “Habitat loss is the most serious threat to koalas in Queensland and New South Wales (Martin and Handasyde 1999).”23 The report states that clearing leads to many direct deaths whilst also exposing koalas to additional threatening processes through habitat fragmentation.
- The final Queensland Koala Expert Panel report (September 2017) highlights the need to stop deforestation and land clearing, the main stressors for koalas.24 The report warned of dramatic declines in koala populations in South East Queensland, including 80% in the Koala Coast area (Gold Coast to Sunshine Coast and west to Ipswich), and singled out land clearing as a major cause. The report said “that loss of koala habitat is considered to be the threat having the greatest impact on koalas.”
- About 84,000 hectares of critical koala habitat was destroyed between 2013 and 2015 in Queensland and New South Wales, with an estimated 180 koalas killed in South-East Queensland alone during this time.25

Impacts of clearing on climate

Claim: “Bulldozing forests is a major contributor to Australia’s carbon emissions”

Primary source:

- The Australian Federal Government releases regular reporting on the nation’s Greenhouse Gas Inventory. Specifically, the Land Use, Land Use Change and Forestry (LULUCF) Activity Table: 1990-2018 shows the following data for Australia’s 2018 emissions from land use change and forestry.26

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○ Direct emissions from primary forest clearing: 10.1 million tonnes of carbon dioxide equivalent gas (Mt CO2-e)
○ Direct emissions from secondary forest clearing: 10.5 Mt CO2-e
○ Emissions from decay on previously cleared lands: 19.4 Mt CO2-e

**Policy positions**

**Claim:** “The LNP want to bring back permits for high value agriculture which saw widespread destruction last time they were in place”

**Primary source:**
- A media release from Mrs Deb Frecklington, Leader of the Opposition, said that the LNP wants to improve opportunities for “economically significant agricultural development”.
- During the former Newman LNP government, this type of development was called “high value agriculture” and allowed landholders to grow large scale crops, such as for cattle feed. Under the former Newman government, high value agriculture permits were approved on a massive scale—sometimes 30,000 hectares at a time, in Great Barrier Reef catchment areas and even in remnant, threatened species habitat. These permits were never rescinded, so clearing continues on those footprints today.

**Claim:** “The LNP want to start an overhaul of Queensland’s deforestation laws within their first 30 days of office, if elected”

**Primary source:**
- A media release from Mrs Deb Frecklington, Leader of the Opposition, said that the LNP “is committed to reviewing and reforming Labor’s laws”. Additionally, they will “launch the consultation process within its first 30 days, with the intention of delivering the review’s findings by mid-2021.”

**Claim:** “The LNP want to make it a lot easier to bulldoze our forest and bushland—often without needing any government approvals at all”

**Primary source:**
- A media release from Mrs Deb Frecklington, Leader of the Opposition, said that the which acts as a carbon sink.

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LNP wants a “re-establishment of mulga and fodder area management plans with balanced self-assessable codes”. Additionally, during her Rural Press Club speech, Mrs Frecklington also said they “will not keep legislation that makes it a crime to feed mulga to starving cattle.”

- Self-assessable codes are an instrument currently in force which allow landholders to “self assess” their proposed clearing in certain circumstances. These proposals do not require government approval. Rather, the landholder notifies the government that they will be undertaking clearing and the government must confirm that they have received that notification—which is usually done within 24 hours.

- Self-assessable codes are intended to only be used for clearing that has a low impact on the environment. However, despite a recent review of most self-assessable codes, some codes still allow significant clearing to take place. For instance, under the fodder harvest codes, landholders can put in a notification for 500 hectares, of which 200 hectares can be cleared (the remaining 300 hectares must be retained for 10 years). But there is no limit on the number of notifications a landholder can make—effectively meaning they could clear thousands of hectares with no approvals necessary and little, if any, government oversight. Given the scale of the impact, any weakening of the fodder harvest code could not be considered to have a low environmental impact. Instead, broadscale clearing such as this should be subject to an approval process to ensure appropriate mitigation actions are addressed.

Claim: “The LNP want to make it easier to clear forest and bushland—including mature regrowth which is really important for supporting healthy ecosystems”

Primary source:
- A media release from Mrs Deb Frecklington, Leader of the Opposition, indicated that, if elected, the LNP will review Queensland's landscape management laws with an eye to making it easier for landholders to clear their land. The release

states that the review would create a “sensible definition of high-value regrowth vegetation”.  
- The current definition of high-value regrowth vegetation is based on science and includes vegetation that has not been cleared for at least 15 years AND which is also an endangered, of concern or least concern regional ecosystem.
- In fact, international definitions of High Conservation Value forests are much stronger than that currently in place in Queensland. For example, the HCV Resource Network’s definition includes threatened species habitat and riparian zones along waterways.
- Science demonstrates that as forest and bushland regrows and matures, it can become important habitat for wildlife—sometimes equally important as remnant habitat that has never been cleared.

Claim: “The Greens have indicated that they support stronger deforestation laws”

Primary source:
- Correspondence from the office of Mr Michael Berkman (Greens MP for Maiwar) stated that:

> As spokesperson for the Queensland Greens, and a former Environment Defenders Office lawyer, I thank you for setting out your agenda and confirm I'm pleased to support the following:

1. Strong laws that protect remnant and High Conservation Value regrowth forests and threatened species habitats from destruction.
2. Improved incentives for land restoration with positive biodiversity and carbon benefits.
3. Mapping and protecting koala habitat right across Queensland, not just in South East Queensland.
4. Continuing improvements in methods and technology to detect and publicly report on forest cover change, deforestation and enforcement of laws.

Note: No commitments on Queensland deforestation laws have yet been publicly released by the Queensland ALP or other minor parties.

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38 For example, refer to Bruton et al (2013). Regrowth woodlands are valuable habitat for reptile communities. Biological Conservation, 165, 95-103.
39 A copy of the letter is attached to the end of this document.
An LNP Government will review and reform Queensland's landscape management laws to support more regional jobs and protect the state's valuable eco-systems.

LNP Leader Deb Frecklington said her aim was to restore balance to Labor's flawed laws, allowing Queensland to both improve food security and create more jobs for young people growing up in the bush.

"The LNP’s plan for Queensland will support our regions by building the New Bradfield Scheme and developing water infrastructure projects across our state,” Ms Frecklington said.

“I want Queensland to produce more food and fibre to make our country less reliant on overseas imports and create more jobs here at home.

“But the Palaszczuk Labor Government’s unfair and unworkable anti-farmer laws have hurt agriculture and destroyed jobs in our regions.

“That’s why the LNP is committed to reviewing and reforming Labor’s laws.

“The LNP will restore balance to our laws and deliver a long-term, sensible environmental landscape management policy for all Queenslanders.”

LNP Shadow Minister for Natural Resources Dale Last said an LNP Government would launch the consultation process within its first 30 days, with the intention of delivering the review's findings by mid-2021.

Mr Last said an LNP Government's approach would be based on:

- Providing certainty of process to encourage investment
- Acknowledging and accommodating Queensland’s diverse and varied biodiverse ecological regions
- Restoring sensible property rights for landholders
- Supporting regional economic development, jobs and food security
- Considering the impacts of drought, bushfires and flooding

“If elected in October an incoming LNP Government will work with all agricultural, community and environmental stakeholders throughout this review,” Mr Last said.
“This will ensure our vitally-important environmental assets are protected, while allowing new jobs to be created in agriculture.

“These laws will fix the issues farmers have faced around harvesting fodder during this devastating drought, as well as supporting landholders in undertaking appropriate bushfire mitigation activities.”

Mr Last said the review would address a number of specific issues of concern to farmers, including:

- Administrative accountability from government departments
- Restoring sensible ‘right to enter’ requirements to protect landholder property rights
- A sensible definition of high-value regrowth vegetation
- Opportunities for considered and economically significant agricultural development
- The development of a Landscape Restoration Code
- The re-establishment of mulga and fodder area management plans with balanced self-assessable codes
- Improving the quality of vegetation mapping in Queensland
- The development of common-sense laws to allow for appropriate bushfire mitigation clearing

“Only an LNP Government will introduce balanced laws that secure the future of farmers and regional communities,” Ms Frecklington said.

“Only the LNP has a plan to stimulate the economy, create a decade of secure jobs and drag Queensland out of this recession.”

**Media Contact:** Stuart Sherwin 0438 011226
30 September 2020

Revel Pointon
Special Counsel, Environmental Defenders Office
Via email: revel.pointon@edo.org.au

Protecting and restoring Queensland’s world-class forest and bushland

Dear Revel,

Thank you for your email of 9 September 2020, setting out issues relating to deforestation on behalf of the Environmental Defenders Office, WWF and the Wilderness Society.

As spokesperson for the Queensland Greens, and a former Environment Defenders Office lawyer, I thank you for setting out your agenda and confirm I’m pleased to support the following:

1. Strong laws that protect remnant and High Conservation Value regrowth forests and threatened species habitats from destruction.
2. Improved incentives for land restoration with positive biodiversity and carbon benefits.
3. Mapping and protecting koala habitat right across Queensland, not just in South East Queensland.
4. Continuing improvements in methods and technology to detect and publicly report on forest cover change, deforestation and enforcement of laws.

I very much appreciate the time you’ve taken to expand on the detail of these issues, and to meet with me to discuss your priorities.

The Queensland Greens and I look forward to continuing to work with you in the next Parliament, whatever the outcome, to achieve the best possible outcomes for Queensland’s natural environment.

The Queensland Greens’ policy on Biodiversity and the Environment emphasises the critical importance of these issues.

I hope this information assists. Please do not hesitate to contact my office on 07 3737 4100 if you would like to discuss this matter in more detail.

Kind regards,

Michael Berkman MP