



Avonvale & Cherry Gully Offset Property

Offset Area Annual Report EPBC2015/7530
August 2024



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APPENDICIES

- A Sample pest management results
- B Sample weed management results
- C Infill revegetation planting zone map



1.0 Background

The purpose of this *Offset Area Annual Report (OAAAR)* is to provide an update on the status of the offset obligations under the EPBC2015/7530 approval issued by the Department of Climate Change, Energy, the Environment and Water (DCCEEW) on 5 February 2020.

The Avonvale and Cherry Gully offset property was established in 2020 as part of the *Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)* approval associated with the residential development located at Undullah, Queensland to offset the impacts on Matters of National Environmental Significance (MNES) occurring as part of the development.

The historic Avonvale and Cherry Gully property is a privately owned 1,718 hectare (ha) property that dates back to the early 1900s, where early land uses included cattle grazing and timber harvesting. In recent history, the property has been home to a successful cattle grazing and beef farming enterprise, with an active feedlot permit allowing between 1,000 and 10,000 animals. The Avonvale and Cherry Gully property is located on Littles Road, Toogoolawah. The property is within the Somerset Regional Council (SRC) and is approximately 5.8 kilometres (km) west of the Toogoolawah township.

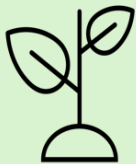
As per the updated *Offset Area Management Plan (OAMP)*, the annual reporting anniversary for the offset area is 31 August. It is important to note this *OAAAR* covers the period from 31 August 2023 until 31 August 2024 (herein referred to as 'offset reporting period'). This *OAAAR* will be issued and published on the proponent's website within 40 business days of 31 August for the life of the approval, as per Condition 9 of the approval.



In 2022 and 2023 all Tranche 1 and 2 planting activities were undertaken within the offset area – well ahead of schedule.



2.0 Action snapshot - year three



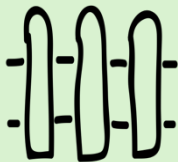
All planting completed ahead of schedule.



Four targeted feral animal control events support kolas, along with revegetation and restoration efforts.



Routine weed management activities critical to plant survival.



Regular external boundary fence inspections and maintenance proactively prevent cattle breaches.



Adaptive wildfire mitigation measures continue in accordance with the *Offset Area Wildfire Management Plan*.



Consultation with adjoining landholders on offset activities remain ongoing.

Icons sourced from Noun Project artists: Hafiz Nur Lutfianto, Yandi Rs, faisalovers, Juicy Fish, Laymik, Jono, Alina Oleynik, Asianson Design, Azam Ishaq.



3.0 Offset commitments and management actions

The approved offset area covers the dominant portions of the landholdings associated with the Avonvale and Cherry Gully property. The offset area was designed to consolidate existing and mixed habitat values on the western portion of both Avonvale and Cherry Gully and provide reconnected habitat to and along riparian gullies and on high moisture alluvial soils. Broadly, areas selected as part of the offset achieve one of the following outcomes:

- **Preservation** of existing remnant aged koala and grey-headed flying-fox habitat
- **Expansion and consolidation of remnant habitat areas** with mixed quality regrowth vegetation enhanced through a range of rehabilitation measures
- **Habitat recreation** by revegetating cleared land into habitat in logical infill locations to maximise the area and width of dedicated offset land
- **Habitat recovery and re-connection** through strategically located restoration and revegetation along site waterways, gullies and alluvial soils. Reinstating and enhancing waterway habitat also provides for direct wildlife connectivity between on/off-site habitat tracts to the east and west of the Ivory Creek Corridor.

There are nine categories of actions listed as relevant and required through the Avonvale and Cherry Gully offset area. Although in many actions there is overlap primarily the specific tasks can be considered to either reduce or remove an existing threat or improve or create new habitat opportunities. Some actions apply specifically to the koala species and others are designed to improve habitat and outcomes for both koalas and grey-headed flying fox. Some actions are limited to acute or specific locations, others apply to the entire offset area and selected actions will apply to the entire land holding, inclusive of areas retained for grazing.

Management actions which are to be completed across the offset area in accordance with the *OAMP* include:

- Management Action 1: Vertebrate pest management
- Management Action 2: Weeds of national significance (reduction and management)
- Management Action 3: Stock management
- Management Action 4: Access management, trespass and neighbouring stock mustering controls
- Management Action 5: Wildfire management
- Management Action 6: Flooding, erosion and sedimentation management
- Management Action 7: Native seed collection and propagation
- Management Action 8: Regeneration & rehabilitation management
- Management Action 9: Revegetation (habitat creation) activities.



4.0 Achievements

During the offset reporting period, the following milestones were achieved:

- **Planting:** The planting of Tranches 1 and 2 have been undertaken with work completed in July 2022 and April 2023 respectively. Additional infill planting occurred within Tranche 2 in March 2024. Post-plant spraying of this area occurred in April 2024 to limit grass and weed growth around each stem and ensure the best ongoing survival rate. This completes all planting activities for this offset, ahead of schedule.
- **Targeted feral animal control:** Four targeted pest management events were undertaken across the offset property. The intent of these exercises is to remove the threat of wild dogs to the koala, and other feral animals (like pigs and rabbits), which compromise viability of the revegetation and restoration works.
- **Targeted weed control:** After the 2023 winter break, intensive weed management control activities resumed monthly from September 2023 through to July 2024. These activities primarily focussed on lantana and other dormant groundcover weeds. Unfortunately, weed spraying efforts were affected during this period due to the extreme weather, with very dry conditions experienced through end-2023 and wet conditions through early-2024 – hence the longer than normal weed spraying period.
- **Fence repair and replacement:** A full stock exclusion fencing audit was undertaken along the perimeter boundaries of the Avonvale and Cherry Gully property to proactively mitigate cattle breaches occurring from adjoining properties. A routine fencing inspection, maintenance and replacement program continues to be implemented.
- **Wildfire mitigation measures:** The Avonvale and Cherry Gully property *Offset Area Wildfire Management Plan (OAWMP)* continued to be adapted and implement. This included: widening fire breaks arounds parts of the property to 50-metres; ensuring creek and bore pumps were ready for use; and the purchase of a second portable ATV water tank and pump to expand the property's firefighting capability. A mosaic low intensity control burn was undertaken in the offset area, as well as other areas of the Avonvale and Cherry Gully property, in August 2024 to minimise wildfire risk ahead of the 2024/25 bushfire season.
- **Neighbour consultation:** Adjoining landholder consultation – including with a new adjoining neighbour - on the offset management actions and potential collaboration is ongoing, especially in relation to wildfire and pest management.



Tranche 1 is predominantly located along waterways or creek lines.



5.0 Planned activities: 2024/25

MASTER ACTION

Action	2024												2025																										
	Early-Jan	End-Jan	Early-Feb	End-Feb	Early-Mar	End-Mar	Early-Apr	End-Apr	Early-May	End-May	Early-June	End-June	Early-July	End-July	Early-Aug	End-Aug	Early-Sept	End-Sept	Early-Oct	End-Oct	Early-Nov	End-Nov	Early-Dec	End-Dec	Early-Jan	End-Jan	Early-Feb	End-Feb	Early-Mar	End-Mar	Early-Apr	End-Apr	Early-May	End-May	Early-June	End-June	Early-July	End-July	Early-Aug
Planting																																							
Assisted native regeneration and revegetation management																																							
Revegetation (habitat creation) - rip lines and pre-spraying																																							
Revegetation (habitat creation) - planting																																							
Neighbour consultation																																							
Consultation with adjoining land owners on property activities (ongoing)																																							
Fire management																																							
Bushfire management planning																																							
Controlled cool burns																																							
Maintain internal and perimeter firebreaks																																							
Property access and stock management																																							
Maintain internal access tracks through offset areas																																							
Fence (including cattle exclusion) monitoring																																							
Fencing CAPEX																																							
Weed management																																							
Weed spraying fence lines and firebreaks and internal access tracks																																							
Spraying weeds of national significance (ie lantana)																																							
Revegetation (habitat creation) - pre and post-plant spraying																																							
Integrated vertebrate pest management																																							
Wild dog, dingoes, pig, deer, rabbit shooting																																							
Erosion, flood and settlement management																																							
Maintain storm water diversion bunds on perimeter fire tracks																																							
Maintain areas revegetated for erosion control																																							



Koala (*Phascolarctos cinereus*) continue to be observed across the Avonvale and Cherry Gully offset areas.



6.0 Offset management action milestone tracking

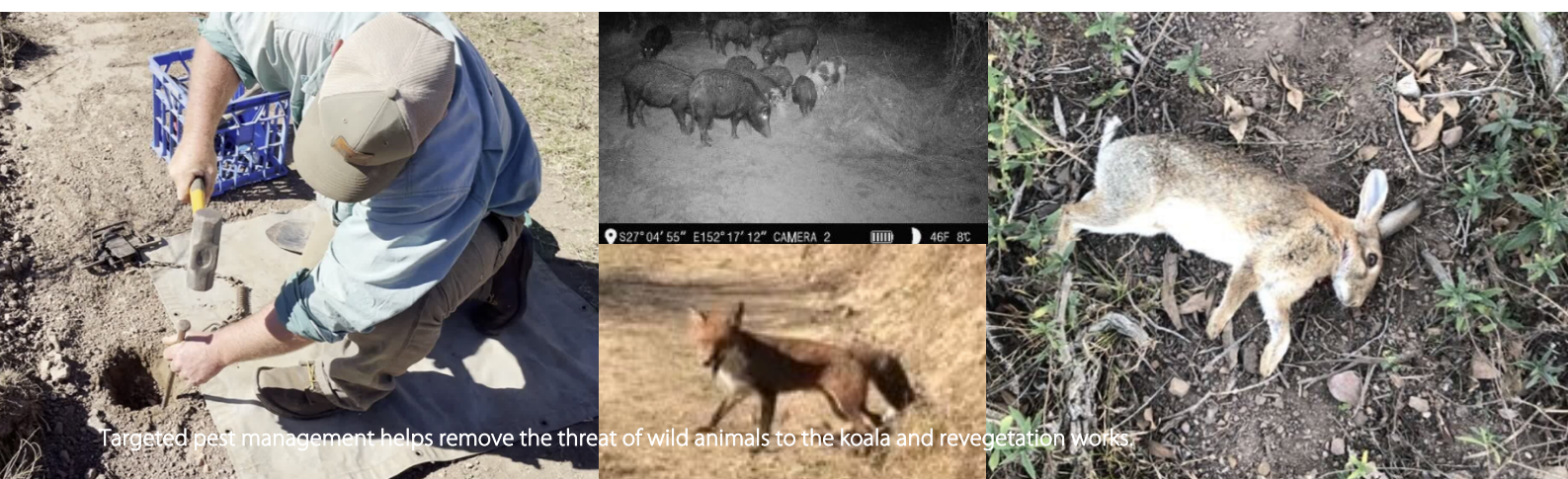
A summary of the status of management action implementation as per the approved management actions in the *OAMP (2022)* is provided below:

Management action 1: Vertebrate pest management

Management action requirement	Year required	Comments
Detailed baseline surveys	Year 1	Detailed baseline surveys were conducted from August 2020 until 2 March 2022. Results of the detailed baseline surveys were included in the updated <i>OAMP</i> .
Develop on-site monitoring program	Year 1	A <i>Feral Animal Register (FAR)</i> has been developed to record all anecdotal and targeted sightings and cullings of feral animals.
Consult with Somerset Regional Council (SRC)	Year 1	Contact was made with Somerset Regional Council (SRC) Pest Management Specialist (PMS). The SRC PMS attended site and commenced the 1080 baiting program on 23 March 2022. This program is to be implemented on a quarterly basis.
Develop initial <i>Pest Management Implementation Strategy (PMIS)</i>	Year 2	The <i>PMIS</i> was developed in accordance with the SRC PMS and an engaged pest management expert. The current pest management strategy involves undertaking quarterly targeted baiting and trapping programs with the use of specially trained tracking dogs.
Undertake targeted pest management activities	Year 1	Targeted pest management has been undertaken in accordance with the <i>PMIS</i> . Further, a quarterly baiting program has been established with the SRC and commenced on 23 March 2022.
Undertake targeted pest management activities	Year 2	During Year 2, four targeted pest management events were undertaken across the offset property.
Undertake targeted pest management activities	Year 3	<p>Although a 1080 baiting program was initially implemented in collaboration with SRC, the results were deemed ineffective. This, combined with immediate neighbour concerns from using poisoned baits, resulted in the introduction of an intensive trapping and shooting program through adaptive management practices. This practice is now implemented within the offset area and across the entire Avonvale and Cherry Gully property.</p> <p>During Year 3, four targeted pest management events were once again undertaken across the offset property, in line with the agreed and revised <i>PMIS</i>.</p> <p>The intent of these exercises is to remove the threat of wild dogs to the koala, and other feral animals (like rabbits and pigs), which compromise viability of the</p>



Management action requirement	Year required	Comments
Decommission and remove any pest species denning, foraging or breeding features	Years 1 – 5	<p>regeneration and restoration works. Refer to Appendix A for a sample of the pest management activities.</p> <p>Where appropriate, dens, foraging and breeding features are removed or destroyed. However, some of these are deliberately retained to control regular pest monitoring and trapping activities, and prevent pests expanding their denning network. Destroying certain features can be futile as pests will re-establish existing and new features elsewhere, which makes pest management more difficult.</p> <p>Further, several dens have been found in physically constrained areas, like steep rocky outcrops, which cannot be safely removed using heavy equipment, or in protected koala habitat, like hollow gum trees. These areas are routinely monitored for shooting and trapping activities.</p> <p>A highly skilled team of small specially bred dogs that target underground tunnels and burrows assist the property's pest management expert to execute the <i>PMIS</i>.</p>
Undertake targeted pest management activities	Years 4 -5	
Replicate detailed baseline surveys	Year 5	
Undertake targeted pest management activities	Years 6 – 10	
Replicate detailed baseline surveys	Year 10	
Undertake targeted pest management activities	Years 11 - 15	
Replicate detailed baseline surveys	Year 15	
Undertake targeted pest management activities	Years 16 - 20	
Replicate detailed baseline surveys	Year 20	



Targeted pest management helps remove the threat of wild animals to the koala and revegetation works.



Management action 2: Weeds of national significance (reduction and management)

Management action requirement	Year required	Comments
Complete detailed baseline surveys	Year 1	Antenna based GPS surveys and detailed ortho-rectified drone aerial imagery were undertaken across the offset area. Results of the detailed baseline surveys were included in the updated <i>OAMP</i> .
Exclude stock from the offset area	Years 1 - 5	Cattle were removed from the offset area in 2021.
Detailed weed management control activities	Year 2	Intensive weed management control activities were undertaken monthly from September 2022 to March 2023.
Detailed weed management control activities	Year 3	After the 2023 winter break, intensive weed management control activities resumed monthly from September 2023 through to July 2024. These activities primarily targeted lantana and other dormant groundcover weeds. Unfortunately, weed spraying efforts were affected during this period due to the extreme weather, with very dry conditions experienced through end-2023 and wet conditions through early-2024 – hence the longer than normal weed spraying period. Refer to Appendix B for a sample of the weed control activities.
Detailed weed management control activities	Years 4 - 5	
Replicate detailed baseline surveys	Year 5	
Detailed weed management control activities	Years 6 - 10	
Replicate detailed baseline surveys	Year 10	
Detailed weed management control activities	Years 11 - 15	
Replicate detailed baseline surveys	Year 15	
Detailed weed management control activities	Years 16 - 20	
Replicate detailed baseline surveys	Year 20	



Intensive weed control is undertaken across the offset property, while post-plant spraying ensures each stem has the best chance of survival.



Management action 3: Stock management

Management action requirement	Year required	Comments
Fencing in accordance with the indicative <i>Offset Area Fencing Plan (OAFP)</i>	Year 1	Internal fencing of the offset area has not yet commenced. As per management action three. Instead, all livestock have been removed from the entire Avonvale and Cherry Gully property. Discussions have commenced with DCCEEW to amend Condition 13 of the approval to remove the requirement to fence the offset area, if all livestock have been removed from the Avonvale and Cherry Gully property.
Fencing in accordance with the indicative <i>OAFP</i>	Year 2	Discussions continued with DCCEEW to amend Condition 13 of the approval to remove the requirement to fence the offset area, if all livestock have been removed from the Avonvale and Cherry Gully property.
Fencing in accordance with the indicative <i>OAFP</i>	Year 3	Still awaiting approval of Condition 13 variation application from DCCEEW. This approval would remove the requirement to fence the offset area boundaries given the Avonvale and Cherry Gully property has perimeter boundary fencing, and all livestock was removed from property in 2021. No internal boundary fencing is required between adjoining offset areas within the Avonvale and Cherry Gully property. A full stock exclusion fencing audit was undertaken along the perimeter boundaries of the Avonvale and Cherry Gully property to proactively mitigate cattle breaches occurring from adjoining properties. A routine fencing inspection, maintenance and replacement program continues to be implemented.
Entirety of offset area fencing to be installed	Year 3	See above.
Fence inspection and report or confirmation all livestock removed from Cherry Gully property	Years 4 – 20	

Management action 4: Access management, trespass and neighbouring stock mustering controls

Management action requirement	Year required	Comments
Inspection and rectification of all external fence boundaries	Year 1	All external fence boundaries were inspected during Year 1. No external fence boundaries required rectification.
Adjoining landowners notified of offset areas, purpose and outcomes	Year 1	All adjoining owners of the offset area have been notified of the purpose and outcomes, which are sought to be achieved. Communication with adjoining landholders is ongoing.
Access gates and signage to be installed and maintained where the offset area fencing crosses tracks required for external land holder access	Year 3	There are no instances where offset area fencing crosses tracks required for external land holder access. Adjoining offset areas that have access gates are regularly inspected and maintained to ensure access for management activities.



Management action requirement	Year required	Comments
No new access tracks through the offset area unless to support offset outcomes	Years 2 - 20	All access tracks required for the offset area have already been created, with all access tracks regularly maintained.

Management action 5: Wildfire management

Management action requirement	Year required	Comments
Continuation of existing fire break infrastructure maintenance (firebreaks and trails)	Year 1	Existing firebreaks and fire regimes were continued during Year 1. External property boundaries were cleared to maintain the existing fire management lines.
Develop an <i>Offset Area Wildfire Management Plan (OAWMP)</i>	Year 2	Wildfire mitigation measures, such as firebreaks, fire management lines and low-intensity burns, have been implemented in accordance with the direction of the Queensland Rural Fire Service (QFRS) recommendations. These wildfire mitigation measures will continue to be implemented and best practice used to inform any future mitigation measures. The <i>OAWMP</i> has been developed and implemented in accordance with recommendations.
Implement <i>OAWMP</i>	Years 3 - 20	Wildfire management mitigation measures continue to be implemented within the offset area, and right across the entire Avonvale and Cherry Gully Property. These measures are in line with the <i>OAMP</i> actions, which have been endorsed by representatives of the QFRS.



In August, a mosaic low intensity control burn was undertaken in the offset area, as well as other areas of the Avonvale and Cherry Gully property to minimise wildfire risk ahead of the 2024/25 bushfire season.



Management action 6: Flooding, erosion and sediment management

Management action requirement	Year required	Comments
Identify and map on-site locations of erosion and flood risk within the Offset Area	Year 1	Erosion point locations within Ivory Creek on the Avonvale and Cherry Gully properties were mapped during Year 1 and included on the <i>Avonvale Erosion Point Locations and Revegetation Map, Cherry Gully North Erosion Point Locations and Revegetation Map and Cherry Gully South Erosion Point Locations and Revegetation Map</i> within the amended <i>OAMP</i> .
Incorporate mapped flood/erosion risk areas into revegetation plans and programs	Year 1	Erosion point locations within Ivory Creek on the Avonvale and Cherry Gully properties was mapped during Year 1 and included on the <i>Avonvale Erosion Point Locations and Revegetation Map, Cherry Gully North Erosion Point Locations and Revegetation Map and Cherry Gully South Erosion Point Locations and Revegetation Map</i> within the amended <i>OAMP</i> .
Finalise EMZ 4 detailed revegetation and replanting plans and programs	Year 1	The detailed revegetation and replanting plan and program was finalised for EMZ4. Planting within the Tranche 1 area commenced in April 2022 and was completed in July 2022.
Progressively implement stabilisation methods of high-risk planting areas, avoid planting between high bank or high-water mark during summer months	Year 2 - 20	Stabilisation works and erosion mitigation methods have been implemented along the Ivory Creek banks in the identified erosion locations.

Management 7: Native seed collection and propagation

Management action requirement	Year required	Comments
Develop a seed collection program for EMZ1 and EMZ2 areas	Year 1	Collection of seed was prioritised based on a radius of koala observations on-site. Where a koala was observed on-site, priority seed collection areas have been identified. Priority of seed collection is as follows: <ul style="list-style-type: none"> • High Priority - 100m of koala observation • Medium Priority - 500m of koala observation • Low Priority - >500m of koala observation
Consult adjoining landholders for permission to harvest seed (where necessary)	Year 1	Owing to the favourable weather conditions, harvesting seed from adjoining landholders was not necessary in Year 1.
Undertake the seed collection program	Year 1	Seed collection commenced in Year 1.
Establish site nursery for storage, propagation and germination of collected site seeds or establish a contract and relationship with an external nursery for storage, propagation and germination of collected site seeds.	Year 1	Owing to the large-scale mass planting associated with Tranche 1, the collected seed was transported to an off-site nursery for storage, propagation and germination.



Management action requirement	Year required	Comments
Establish site nursery for storage, propagation and germination of collected site seeds or establish a contract and relationship with an external nursery for storage, propagation and germination of collected site seeds.	Year 2	Seed collection continued in Year 2 as per previously reported.
Continue the seed collection program	Year 3	Adequate quantities of high-quality seed stock were already available from previous collection activities from surrounding areas.
Continue the seed collection program	Years 4 - 5	
Demonstrate that a minimum of 50% of planting stock used in all offset area vegetation has been grown from seed harvested from Koala food trees and Grey-headed Flying-fox foraging tree species on or immediately adjoining the offset area land holdings.	Year 5	

Management action 8: Regeneration and rehabilitation management

Management action requirement	Year required	Comments
Undertake detailed restoration work management areas mapping (stratify larger EMZ area into specific treatment zones)	Year 1	EMZ 1 and EMZ 2 were stratified into four zones, being: Regrowth Zone 1, Regrowth Zone 2, Remnant Zone 1 and Remnant Zone 2, as per the plan included within the <i>OAMP</i> .
Establish photo monitoring points and protocols (georeferenced star picket at photo monitoring locations)	Year 1	Photo point monitoring locations were GPS located within EMZ 1 & EMZ, 2 as per the plan included within the <i>OAMP</i> .
Complete treatment in the work management areas for EMZ 1 & EMZ 2	Year 2	As per management action two, intensive weed management work occurred in EMZ 1 & EMZ 2 during Year 2.
Complete treatment in the work management areas for EMZ 1 & EMZ 2	Year 3	As per management action two, intensive weed management work occurred in EMZ 1 & EMZ 2 during Year 3.
Complete treatment in the work management areas for EMZ 1 & EMZ 2	Years 4 - 6	
Replicate MHQA and GHFF FHA surveys	Year 6	
Monitor and maintain EMZ1 and EMZ 2	Years 7 - 10	
Replicate MHQA and GHFF FHA surveys	Year 10	
Monitor and maintain EMZ1 and EMZ 2	Years 11 - 16	
Replicate MHQA and GHFF FHA surveys	Year 16	



Management action requirement	Year required	Comments
Monitor and maintain EMZ1 and EMZ 2	Years 17 - 20	
Replicate MHQA and GHFF FHA surveys	Year 20	

Management action 9: Revegetation (habitat creation) activities

Management action requirement	Year required	Comments
Finalise locations, sequence and timing for revegetation program.	Year 1	The revegetation of EMZ 3 and EMZ 4 was stratified into two tranches (Tranche 1 and Tranche 2). Tranche 1 is to be completed in Year 2 and Year 3, while Tranche 2 is to be completed in Year 4 and Year 5. The indicative tranche revegetation areas are shown in the OAMP.
Cultivate and prepare Tranche 1 area in preparation for year 2 planting.	Year 1	The Tranche 1 area was ripped and cultivated, where necessary, in preparation for planting. Planting commenced in April 2022 and was completed in July 2022.
Create Tranche 1 water source for revegetation establishment (purpose located dam or broadscale irrigation) (where necessary)	Year 1	Tranche 1 is predominantly located along waterways or creek lines, and as such, water sources already exist.
Establish photo monitoring points and protocols for Tranche 1 areas (georeferenced star picket at photo monitoring locations)	Year 1	Photo point monitoring locations were GPS located within EMZ 3 and EMZ 4, as per the plan included within the OAMP.
Complete Tranche 1 revegetation zone	Year 2	As previously reported, the Tranche 1 area was planted between April and July 2022 all within Year 1.
Cultivate and prepare Tranche 1 area in preparation for year 3 planting	Year 2	As previously reported, the Tranche 1 area was planted between April and July 2022 all within Year 1.
Create Tranche 1 water source for revegetation establishment (purpose located dam or broadscale irrigation) (where necessary)	Year 2	This activity was completed within Year 1, ahead of schedule.
Establish photo monitoring points and protocols for Tranche 1 areas (georeferenced star picket at photo monitoring locations)	Year 2	This activity was completed within Year 1, ahead of schedule.
Complete Tranche 1 revegetation zone	Year 3	As previously reported, the Tranche 1 area was planted between April and July 2022, all within Year 1.
Cultivate and prepare Tranche 2 area in preparation for year 4 planting	Year 3	The Tranche 2 (Years 4 and 5) planting areas were both completed in April of Year 2. Further infill planting zones within the Tranche 2 area were identified. The infill planting of these areas was completed in March 2024, with post plant spraying occurring in April 2024. A map showing the infill planting areas is provided in Appendix C.
Create Tranche 2 water source for revegetation establishment (purpose	Year 3	Deliberate over planting of Tranche 2 negated the need for a water source within the offset area. This strategy of over planting, allowing for natural die back, has proven



Management action requirement	Year required	Comments
located dam or broadscale irrigation) (where necessary)		effective with excellent survival rates achieved. Rainfall averages and targeted control of pests have also assisted.
Establish photo monitoring points and protocols for Tranche 2 areas	Year 3	Photo point monitoring locations were logged in Year 2, ahead of schedule.
Monitor and maintain Tranche 1	Year 3	Monitoring and maintenance of Tranche 1 and 2 commenced in July 2022.
Complete Tranche 2 revegetation zone	Year 4	All planting activities were completed in Years 1, 2 and 3.
Cultivate and prepare Tranche 2 area in preparation for year 5 planting	Year 4	All planting activities were completed in Years 1, 2 and 3.
Create Tranche 2 water source for revegetation establishment (purpose located dam or broadscale irrigation) (where necessary)	Year 4	All planting activities were completed in Years 1, 2 and 3.
Establish photo monitoring points and protocols for Tranche 2 areas (georeferenced star picket at photo monitoring locations)	Year 4	All planting activities were completed in Years 1, 2 and 3.
Monitor and maintain Tranche 1 & 2	Year 4	Monitoring and maintenance of Tranche 1 and 2 commenced in July 2022 and remains ongoing.
All planting work completed within EMZ 4	Year 4	All planting activities were completed in Years 1, 2 and 3.
Complete Tranche 2 revegetation zone	Year 5	All planting activities were completed in Years 1, 2 and 3.
Monitor and maintain Tranche 1 & Tranche 2	Year 5	All planting activities were completed in Years 1, 2 and 3.
All planting work completed within EMZ 3	Year 5	All planting activities were completed in Years 1, 2 and 3.
Monitor and maintain all revegetation zones (inclusive of rectification and replacement works)	Years 6 - 10	
Replicate MHQA & GHFF FHA transect surveys	Year 10	
Monitor and maintain all revegetation zones (inclusive of rectification and replacement works)	Years 11 - 15	
Replicate MHQA & GHFF FHA transect surveys	Year 16	
Monitor and maintain all revegetation zones (inclusive of rectification and replacement works)	Years 17 - 20	
Replicate MHQA & GHFF FHA transect surveys	Year 20	



7.0 EPBC2015/7530 conditions compliance

Condition number	Condition description	Compliant/non-compliant/not applicable	Comment/evidence/rectification
5a	To compensate for the clearing of 529 hectares of koala habitat, the functional loss of 51 hectares of koala habitat, and 529 hectares of grey-headed flying-fox foraging habitat, the approval holder must: legally secure a minimum of 1,131.5 hectares of the Avonvale and Cherry Gully property offset area prior to commencement of the action.	Compliant (rectified as per discussions with Post Approvals)	The Avonvale and Cherry Gully property offset area was legally secured on 4 March 2021.
5b.	To compensate for the clearing of 529 hectares of koala habitat, the functional loss of 51 hectares of koala habitat, and 529 hectares of grey-headed flying-fox foraging habitat, the approval holder must: within 20 business days of legally securing the Avonvale and Cherry Gully property offset area, provide the Department with written evidence demonstrating Avonvale and Cherry Gully property offset area has been legally secured, and Shapefiles of the offset attributes.	Compliant	The Department was notified of the offset area being legally secured on 22 March 2021. Due to the COVID 19 global pandemic during 2020 and 2021, legal securing of the offset site was delayed. The Department acknowledged this acceptable delay.
5c.	To compensate for the clearing of 529 hectares of koala habitat, the functional loss of 51 hectares of koala habitat, and 529 hectares of grey-headed flying-fox foraging habitat, the approval holder must, within six months of approval, commence management activities at the Avonvale and Cherry Gully property offset area.	Compliant	Management actions commenced on the offset site on 31 August 2020, with the Department notified on the same day.
6.	During Year 1, the approval holder must complete baseline surveys of the entire Avonvale and Cherry Gully property offset area to determine the extent of weed cover and seasonal feral animal abundance. The baseline surveys must be undertaken by a suitably qualified field ecologist in accordance with a scientifically valid, robust, and repeatable methodology.	Compliant	During Year 1, One Environment engaged Saunders Havill Group (SHG) as suitably qualified field ecologists and professionals to complete baseline surveys of the entire Avonvale and Cherry Gully Station property offset area. The baseline surveys focused on determining the extent of weed cover and seasonal feral animal abundance. The baseline data is included in the amended <i>OAMP</i> .



Condition number	Condition description	Compliant/non-compliant/not applicable	Comment/evidence/rectification
7a.	Within three months of completion of the baseline surveys required under Condition 6, the approval holder must engage a suitably qualified field ecologist to update the Avonvale and Cherry Gully property <i>OAMP</i> , to include the following: the results of the baseline surveys required under Condition 6.	Compliant	<p>SHG was engaged in December 2021 as suitably qualified field ecologists and professionals to update the <i>OAMP</i>. The amended <i>OAMP</i> was finalised and published on 2 March 2022.</p> <p>The results of the baseline surveys required under Condition 6 are included in Section 5.1 and 5.2 of the amended <i>OAMP</i>.</p>
7b.	Within three months of completion of the baseline surveys required under Condition 6, the approval holder must engage a suitably qualified field ecologist to update the Avonvale and Cherry Gully Property <i>OAMP</i> , to include the following: the detailed baseline habitat quality assessment data for each environmental management zone on the Avonvale and Cherry Gully property offset area as provided in the preliminary documentation and Direct Offset Chapter.	Compliant	<p>SHG was engaged in December 2021 as suitably qualified field ecologists and professionals to update the <i>OAMP</i>. The amended <i>OAMP</i> was finalised and published on 2 March 2022.</p> <p>The detailed baseline habitat quality assessment data for each environmental management zone is included in Section 5.8 and 5.9 of the amended <i>OAMP</i>.</p>
7c.	Within three months of completion of the baseline surveys required under Condition 6, the approval holder must engage a suitably qualified field ecologist to update the Avonvale and Cherry Gully property <i>OAMP</i> , to include the following: the species stocking rate scoring table.	Compliant	<p>SHG was engaged in December 2021 as suitably qualified field ecologists and professionals to update the <i>OAMP</i>. The amended <i>OAMP</i> was finalised and published on 2 March 2022.</p> <p>The species stocking rate scoring table(s) for each environmental management zone is included in Section 5.8 and 5.9 of the amended <i>OAMP</i>.</p>
7d.	Within three months of completion of the baseline surveys required under Condition 6, the approval holder must engage a suitably qualified field ecologist to update the Avonvale and Cherry Gully property <i>OAMP</i> , to include the following: the outcomes specified in conditions 10-18.	Compliant	<p>SHG was engaged in December 2021 as suitably qualified field ecologists and professionals to update the <i>OAMP</i>. The amended <i>OAMP</i> was finalised and published on 2 March 2022.</p> <p>The outcomes specified in Conditions 10 – 18 are included throughout Section 5 of the amended <i>OAMP</i>.</p>
7e.	Within three months of completion of the baseline surveys required under Condition 6, the approval holder must engage a suitably qualified field ecologist to update the Avonvale and Cherry Gully property <i>OAMP</i> , to include the following: a program to monitor and	Compliant	<p>SHG was engaged in December 2021 as suitably qualified field ecologists and professionals to update the <i>OAMP</i>. The amended <i>OAMP</i> was finalised and published on 2 March 2022.</p>



Condition number	Condition description	Compliant/non-compliant/not applicable	Comment/evidence/rectification
	report on progress against performance and completion criteria including the ecological outcomes specified in conditions 10-18.		A program to monitor and report on progress against performance and completion criteria including the ecological outcomes specified in Conditions 10 – 18 is included in Table 13 – 15, Table 17 – 19 and Section 5.10 of the amended <i>OAMP</i> .
8.	The updated Avonvale and Cherry Gully Stations <i>OAMP</i> must be published on the approval holder's website and remain published for the period this approval has effect. The approval holder must implement the published updated Avonvale and Cherry Gully property <i>OAMP</i> for the duration of the approval, and must achieve the outcomes required under conditions 10-18.	Compliant	The updated <i>OAMP</i> is published on the approval holder's website (refer to: https://www.merrylin.com/master-planned-communities).
9.	The approval holder must publish each Avonvale and Cherry Gully property's <i>OAMP</i> Annual Report on the website within 40 business days following the end of the 12-month period reported on in the Annual Report. The approval holder must keep each Avonvale and Cherry Gully property <i>OAMP</i> Annual Report published from the date it is first published until the end of the period of effect of this approval.	Compliant	<p>This is the third OAAR. The 12-month reporting period for the OAAR is 31 August – 30 August.</p> <ul style="list-style-type: none"> • First OAAR published on the approval holder's website within 40 business days of 31 August 2022 • Second OAAR published on the approval holder's website within 40 business days of 31 August 2023 • Third OAAR to be published on the approval holder's website within 40 business days of 31 August 2024.
10.	The approval holder must demonstrate a reduction in the abundance of feral animals at the Avonvale and Cherry Gully property offset area by the end of Year 5, relative to the abundance determined by the baseline surveys, and ensure the abundance of feral animals is then maintained at, or reduced below, the Year 5 abundance for the rest of the period of effect of the approval.	Not applicable	Baseline surveys of feral animal abundance were completed during Year 1 by SHG as a suitably qualified field ecologist and professional. The baseline feral animal abundance across the offset area has been incorporated in the amended <i>OAMP</i> . In conjunction with the baseline surveys, active feral animal management has been occurring since the acquisition of the land holdings. Feral animal management has broader, more regional scale effects and therefore, continual, and ongoing feral animal management will remain. The current feral animal management regime is designed to achieve the demonstrated reduction by Year 5.



Condition number	Condition description	Compliant/non-compliant/not applicable	Comment/evidence/rectification
11a.	The approval holder must demonstrate that the extent of weed cover at the Avonvale and Cherry Gully property offset area is: less than 20% at the end of Year 5.	Not applicable	Baseline surveys of the extent of weed cover were completed during Year 1 by SHG as a suitably qualified field ecologist and professional. The baseline extent of weed cover across the offset area has been incorporated in the amended <i>OAMP</i> . Following the completion of baseline surveys and extrapolation of data, the offset provider has engaged a suitably qualified weed removal specialist. The engaged contractor is scheduled to commence works in late 2022. It is considered the current weed management regime is designed to achieve the demonstrated reduction by Year 5 and Year 10, respectively.
11b.	The approval holder must demonstrate that the extent of weed cover at the Avonvale and Cherry Gully property offset area is: less than 5% at the end of Year 10 and for the rest of the period of effect of the approval.	Not applicable	Baseline surveys of the extent of weed cover were completed during Year 1 by SHG as a suitably qualified field ecologist and professional. The baseline extent of weed cover across the offset area has been incorporated in the amended <i>OAMP</i> . Following the completion of baseline surveys and extrapolation of data, the offset provider has engaged a suitably qualified weed removal specialist. The engaged contractor is scheduled to commence works in late 2022. It is considered that the current weed management regime is designed to achieve the demonstrated reduction by Year 5 and Year 10, respectively.
12.	For the protection of koala habitat, the approval holder must demonstrate by the end of Year 3 that fauna friendly stock exclusion fencing has been installed around the entire perimeter of the Avonvale and Cherry Gully property offset area. The approval holder must ensure the fauna friendly stock exclusion fencing is maintained and effective for its purpose for the period of effect of the approval.	Compliant	All stock were removed from the entire Avonvale and Cherry Gully property in January 2022. Some redundant internal fencing, cattle and horse yards have been deconstructed to enable offset activities to occur. Given the removal of all stock from the entire Avonvale and Cherry Gully property and regular external fence checks, maintenance and replacement (if required), the risk of stock intrusion and impacts on the offset are mitigated.
13.	The approval holder must undertake ecological work to restore the regional ecosystems in the Avonvale and Cherry Gully property offset area in accordance with the Avonvale and Cherry Gully property <i>OAMP</i> and the Direct Offset Chapter.	Compliant	A number of management actions, in accordance with the amended <i>OAMP</i> , have commenced and will continue to be implemented. Implementation of the management actions in accordance with the <i>OAMP</i> are trending the offset area to achieving the restoration of the regional ecosystem vegetation communities.



Condition number	Condition description	Compliant/non-compliant/not applicable	Comment/evidence/rectification
14a.	The approval holder must achieve the following outcomes in Environmental Management Zone 1: A 57% increase, relative to the baseline habitat quality assessment data, in the average koala species stocking rate score by the end of Year 6, and subsequently maintain or exceed that average koala species stocking rate score for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 14 are not applicable during this reporting period.
14b.	The approval holder must achieve the following outcomes in Environmental Management Zone 1: Average tree canopy cover at >50% - <200% of the benchmark for Regional Ecosystem 12.11.14 by the end of Year 6 and subsequently maintain average tree canopy cover in that range for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 14 are not applicable during this reporting period.
14c.	The approval holder must achieve the following outcomes in Environmental Management Zone 1: Average recruitment of woody perennial species in the ecologically dominant layer greater than 75% by the end of Year 6 and subsequently maintain or exceed that rate of recruitment for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 14 are not applicable during this reporting period.
14d.	The approval holder must achieve the following outcomes in Environmental Management Zone 1: The number of large trees >50% of the benchmark for the Regional Ecosystem by the end of Year 6 and this number subsequently maintained or exceeded for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 14 are not applicable during this reporting period.
14e.	The approval holder must achieve the following outcomes in Environmental Management Zone 1: An average of at least six different winter or spring flowering grey-headed flying-fox foraging species in each assessment plot by the end of Year 6, and subsequently maintain or exceed this outcome for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 14 are not applicable during this reporting period.
15a.	The approval holder must achieve the following outcomes in Environmental Management Zone 2: An 80% increase, relative to the baseline Habitat quality assessment data, in the average koala species stocking rate score by the end of Year 16, and subsequently	Not applicable	Achievement of the outcomes of Condition 15 are not applicable during this reporting period.



Condition number	Condition description	Compliant/non-compliant/not applicable	Comment/evidence/rectification
	maintain or exceed that average koala species stocking rate score for the remainder of the period of effect of the approval.		
15b.	The approval holder must achieve the following outcomes in Environmental Management Zone 2: Average tree canopy cover at >50% - <200% of the benchmark for regional ecosystem 12.11.14 by the end of Year 16, and subsequently maintain average tree canopy cover in that range for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 15 are not applicable during this reporting period.
15c.	The approval holder must achieve the following outcomes in Environmental Management Zone 2: Average recruitment of woody perennial species in the ecologically dominant layer greater than 75% by the end of Year 16, and subsequently maintain or exceed that rate of recruitment for the remainder of the period of effect of the approval. The number of large trees >50% of the benchmark for the regional ecosystem by the end of Year 16, and this number subsequently maintained or exceeded for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 15 are not applicable during this reporting period.
15d.	The approval holder must achieve the following outcomes in Environmental Management Zone 2: The number of large trees >50% of the benchmark for the regional ecosystem by the end of Year 16 and this number subsequently maintained or exceeded for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 15 are not applicable during this reporting period.
15e.	The approval holder must achieve the following outcomes in Environmental Management Zone 2: An average of at least 6 different winter or spring flowering grey-headed flying-fox foraging species in each assessment plot by the end of Year 6 and subsequently maintain or exceed this outcome for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 15 are not applicable during this reporting period.
16a.	The approval holder must achieve the following outcomes in Environmental Management Zone 3: Recreate the pre-clearing regional ecosystem by planting 399 ha of new koala habitat and grey headed flying-fox foraging habitat.	Not applicable	Achievement of the outcomes of Condition 16 are not applicable during this reporting period.



Condition number	Condition description	Compliant/non-compliant/not applicable	Comment/evidence/rectification
16b.	The approval holder must achieve the following outcomes in Environmental Management Zone 3: All planting works must be completed by the end of Year 5.	Compliant	400.70 ha of koala and grey-headed flying-fox habitat has been revegetated and restored within EMZ 3. As per Attachment C, a further 8.7 ha of infill planting zones was completed in Year 3 to further support regeneration in EMZ 3 and 4.
16c.	The approval holder must achieve the following outcomes in Environmental Management Zone 3: A 350% increase, relative to the baseline habitat quality assessment data, in the average koala species stocking rate score by the end of Year 10.	Not applicable	Achievement of the outcomes of Condition 16 are not applicable during this reporting period.
16d.	The approval holder must achieve the following outcomes in Environmental Management Zone 3: Average tree canopy cover at >10% - <50% of the benchmark for each regional ecosystem by the end of Year 10.	Not applicable	Achievement of the outcomes of Condition 16 are not applicable during this reporting period.
16e.	The approval holder must achieve the following outcomes in Environmental Management Zone 3: Average recruitment of woody perennial species in the ecologically dominant layer greater than 50% by the end of Year 10.	Not applicable	Achievement of the outcomes of Condition 16 are not applicable during this reporting period.
16f.	The approval holder must achieve the following outcomes in Environmental Management Zone 3: An average of at least 6 different winter or spring flowering grey-headed flying-fox foraging species in each assessment plot by the end of Year 10, and subsequently maintain or exceed this diversity of foraging species for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 16 are not applicable during this reporting period.
16g.	The approval holder must achieve the following outcomes in Environmental Management Zone 3: A 700% increase, relative to the baseline Habitat quality assessment data, in the average koala species stocking rate score by the end of Year 20, and subsequently maintain or exceed that average koala species stocking rate score for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 16 are not applicable during this reporting period.
16h.	The approval holder must achieve the following outcomes in Environmental Management Zone 3: Average tree canopy cover at >50% - <200% of the benchmark for each Regional Ecosystem by the end of Year 20, and subsequently maintain average tree canopy	Not applicable	Achievement of the outcomes of Condition 16 are not applicable during this reporting period.



Condition number	Condition description	Compliant/non-compliant/not applicable	Comment/evidence/rectification
	cover in that range for the remainder of the period of effect of the approval.		
16i.	The approval holder must achieve the following outcomes in Environmental Management Zone 3: Average recruitment of woody perennial species in the ecologically dominant layer greater than 75% by the end of Year 20, and subsequently maintain or exceed that rate for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 16 are not applicable during this reporting period.
16j.	The approval holder must achieve the following outcomes in Environmental Management Zone 3: The number of Large trees >50% of the benchmark for each regional ecosystem by the end of Year 20, and this number subsequently maintained or exceeded for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 16 are not applicable during this reporting period.
17a.	The approval holder must achieve the following outcomes in Environmental Management Zone 4: Recreate the pre-clearing Regional Ecosystem 12.3.7 or 12.3.3 by restoring 166.6 ha of new koala habitat and grey-headed flying-fox foraging habitat.	Not applicable	Achievement of the outcomes of Condition 17 are not applicable during this reporting period.
17b.	The approval holder must achieve the following outcomes in Environmental Management Zone 4: All revegetation planting works completed by the end of Year 4.	Compliant	171.90 ha of koala and grey-headed flying-fox habitat has been revegetated and restored within EMZ 4. As per Attachment C, a further 8.7 ha of infill planting zones was completed in year 3 to further support regeneration in EMZ 3 and 4.
17c.	The approval holder must achieve the following outcomes in Environmental Management Zone 4: A 30% increase, relative to the baseline habitat quality assessment data, in the average koala species stocking rate score by the end of Year 10.	Not applicable	Achievement of the outcomes of Condition 17 are not applicable during this reporting period.
17d.	The approval holder must achieve the following outcomes in Environmental Management Zone 4: Average tree canopy cover at >10% - <50% of the benchmark for each regional ecosystem 12.3.7 by the end of Year 10.	Not applicable	Achievement of the outcomes of Condition 17 are not applicable during this reporting period.
17e.	The approval holder must achieve the following outcomes in Environmental Management Zone 4: Average recruitment of woody perennial species in the ecologically dominant layer greater than 50% by the end of Year 10.	Not applicable	Achievement of the outcomes of Condition 17 are not applicable during this reporting period.



Condition number	Condition description	Compliant/non-compliant/not applicable	Comment/evidence/rectification
17f.	The approval holder must achieve the following outcomes in Environmental Management Zone 4: An average of at least 6 different winter or spring flowering grey-headed flying-fox foraging species in each assessment plot by the end of Year 10 and this diversity subsequently maintained or exceeded for remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 17 are not applicable during this reporting period.
17g.	The approval holder must achieve the following outcomes in Environmental Management Zone 4: A 60% increase relative to the baseline Habitat quality assessment data, in the average koala species stocking rate score at Year 20, and subsequently maintain or exceed that average koala species stocking rate score for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 17 are not applicable during this reporting period.
17h.	The approval holder must achieve the following outcomes in Environmental Management Zone 4: Average tree canopy cover at >50%- <200% of the benchmark for each regional ecosystem by the end of Year 20 and subsequently maintain average tree canopy cover in that range for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 17 are not applicable during this reporting period.
17i.	The approval holder must achieve the following outcomes in Environmental Management Zone 4: Average recruitment of woody perennial species in the ecologically dominant layer greater than 75% by the end of Year 20, and subsequently maintain or exceed that rate for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 17 are not applicable during this reporting period.
17j.	The approval holder must achieve the following outcomes in Environmental Management Zone 4: The number of large trees >50% of the benchmark for the regional ecosystem by the end of Year 20, and this number subsequently maintained or exceeded for the remainder of the period of effect of the approval.	Not applicable	Achievement of the outcomes of Condition 17 are not applicable during this reporting period.
18.	The approval holder must demonstrate by Year 5 that a minimum of 50% of planting stock used in all offset area vegetation has been grown from seed harvested from koala food trees and grey-headed flying-fox foraging tree species on or immediately adjoining the offset area land holdings.	Compliant	Since the initial reporting period, 145.60 ha of direct planting, 8.6 hectares of infill planting and 427 ha of indirect planting have been completed. Due to the expedited planting program to reduce the time lag between the impact and realisation of the offset, the 145.60 ha of direct planting used a combination of



Condition number	Condition description	Compliant/non-compliant/not applicable	Comment/evidence/rectification
			seed harvested on-site, and seed sourced from a local nursery. The 427.0 ha of indirect planting has utilised seed from the natural seed bank on-site and therefore is considered to have been grown from seed harvested on-site. As such, current calculations indicate that 74.57% of plant stock has been grown from seed harvested on-site.
19.	The approval holder must engage a suitably qualified independent expert to undertake an assessment of the Avonvale and Cherry Gully property offset area at the end of each of Year 6, Year 10, Year 16 and Year 20 to assess whether the outcomes required in conditions 10-18 have been, or are likely to be, achieved. The findings of each assessment must be documented and published within six months of the end of each of Year 6, Year 10, Year 16 and Year 20, and provided to the Department within five business days of each being published.	Not applicable	Not applicable during this reporting period.



Appendices



Appendix A

Sample pest management results

Pest control sample images





Koala:









Appendix B

Sample weed management results

5/12/23

Spray Plan and Application Record for TSME Services

Client Business Name	Somerset Ag Services Pty Ltd		
Property Address	452 – 486 Little’s Road, IVORY CREEK QLD 4313		
Operator’s Name	Travis Enks		
Phone:	0434 550 768	Email:	tsmeservices@gmail.com

Description of where pesticide was applied:	Lantana Spraying
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PPE used	Application Equipment	Pest Type	Application Details			
Overalls	x Backpack	Weed	x	Spraying speed (km/h)		
Rubber gloves	x Spraytank/Hand gun	x Insect		Water Volume (L/ha)		
Respirator/Mask	x Boom Spray	Disease		Nozzle		
Goggles	x Drench gun	Vertebrate pest		Pressure		
Hat	x Other:	Other:		Pre-op Check OK?	Yes	No
Other:				Signs used to notify public?	Yes	No

No spray zone	N/A	Yes	Neighbours Notified	Date Notified-
Treatment comments/Instructions:				

Spray Mixture Ingredients	Batch Number	Application Rate
Product Used:		
Trade Name:		
A: <input type="checkbox"/> Grazon Extra		500ml/100L
B: <input checked="" type="checkbox"/> Starane Advanced	B270M35248	600ml/100L
C: <input type="checkbox"/>		
Active Constitute:		
A: Triclopyr, Picloram, Aminopyralid		
B: Fluroxypyr		
C:		
APVMA Number:		
A: 60830/105077		
B: 62287/117973		
C:		
Diluent:		
	Wetting Agent:	
SP700	220978K	350ml/100L
	Other Ingredients:	
Reactor Red Dye	40152	1L/600L

5/12/23

Tank Distribution Details:

Tank 1 volume: 600Lts	Weather and Time details @ start time: 7:10 AM
Starone 3.6 Lts	Delta T:
Sp 700 2 Lts	Wind (speed & direction):
Die 1 Lts	Temp:
	Observations:
Tank 2 volume: 600Lts	Weather and Time details @ start time: 11:45 AM
Starone 3.6 Lts	Delta T:
SP 700 2 Lts	Wind (speed & direction):
Die 1 Lts	Temp:
	Observations:
Tank 3 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 4 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 5 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 6 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:

Additional Notes:

Signature: 

Name: Trav & Shannon

Date: 5/12/23

8/6/23

Spray Plan and Application Record for TSME Services

Client Business Name		Somerset Ag Services Pty Ltd					
Property Address		452 – 486 Little’s Road, IVORY CREEK QLD 4313					
Operator’s Name		Travis Enks					
Phone:	0434 550 768	Email:	tsmeservices@gmail.com				
Description of where pesticide was applied:			Lantana Spraying				
PPE used		Application Equipment		Pest Type		Application Details	
Overalls	x	Backpack		Weed	x	Spraying speed (km/h)	
Rubber gloves	x	Spraytank/Hand gun	x	Insect		Water Volume (L/ha)	
Respirator/Mask	x	Boom Spray		Disease		Nozzle	
Goggles	x	Drench gun		Vertebrate pest		Pressure	
Hat	x	Other:		Other:		Pre-op Check OK?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Other:						Signs used to notify public?	Yes <input type="checkbox"/> No <input type="checkbox"/>
No spray zone	N/A	Yes	Neighbours Notified			Date Notified	
Treatment comments/Instructions:							
Spray Mixture Ingredients		Batch Number			Application Rate		
Product Used:							
Trade Name:							
A: <input type="checkbox"/> Grazon Extra					500ml/100L		
B: <input checked="" type="checkbox"/> Starane Advanced		B270m35248			600ml/100L		
C: <input type="checkbox"/>							
Active Constitute:							
A: Triclopyr, Picloram, Aminopyralid							
B: Fluroxypyr							
C:							
APVMA Number:							
A: 60830/105077							
B: 62287/117973							
C:							
Diluent:							
Wetting Agent:							
SP700		220978K			350ml/100L		
Other Ingredients:							
Reactor Red Dye		40152			1L/600L		

8/6/23

Travis Enks

Signature

Tank Distribution Details:

Tank 1 volume: 600L Starane	Weather and Time details @ start time: 6:15
	Delta T: 4.9
	Wind (speed & direction): 0
	Temp: 16.1
	Observations:
Tank 2 volume: 600L Starane	Weather and Time details @ start time: 8:45
	Delta T: 6.7
	Wind (speed & direction): 1.8
	Temp: 18.4
	Observations:
Tank 3 volume: 600L Starane	Weather and Time details @ start time: 10:22
	Delta T: 5.6
	Wind (speed & direction): 2.2
	Temp: 19.8
	Observations:
Tank 4 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 5 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 6 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:

Additional Notes: 6:00 - 1:30

Signature:  Name: Travis Jason Date: 8/6/23

9/1/24

Spray Plan and Application Record for TSME Services


Client Business Name		Somerset Ag Services Pty Ltd					
Property Address		452 – 486 Little's Road, IVORY CREEK QLD 4313					
Operator's Name		Travis Enks					
Phone:	0434 550 768	Email:	tsmeservices@gmail.com				
Description of where pesticide was applied:		Lantana Spraying					
PPE used		Application Equipment		Pest Type		Application Details	
Overalls	x	Backpack		Weed	x	Spraying speed (km/h)	
Rubber gloves	x	Spraytank/Hand gun	x	Insect		Water Volume (L/ha)	
Respirator/Mask	x	Boom Spray		Disease		Nozzle	
Goggles	x	Drench gun		Vertebrate pest		Pressure	
Hat	x	Other:		Other:		Pre-op Check OK?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Other:						Signs used to notify public?	Yes <input type="checkbox"/> No <input type="checkbox"/>
No spray zone	N/A	Yes		Neighbours Notified		Date Notified	
Treatment comments/Instructions:							
Spray Mixture Ingredients		Batch Number			Application Rate		
Product Used:							
Trade Name:							
A: <input type="checkbox"/> Grazon Extra					500ml/100L		
B: <input checked="" type="checkbox"/> Starane Advanced		970M87267			600ml/100L		
C: <input type="checkbox"/>							
Active Constitute:							
A: Triclopyr, Picloram, Aminopyralid							
B: Fluroxypyr							
C:							
APVMA Number:							
A: 60830/105077							
B: 62287/117973							
C:							
Diluent:							
Wetting Agent:							
SP700		174734			350ml/100L		
Other Ingredients:							
Reactor Red Dye		40152			1L/600L		

1234 567890 1234 567890 1234 567890 1234 567890

Tank Distribution Details:

Tank 1 volume: 600L	Weather and Time details @ start time: 6:00
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 2 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 3 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 4 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 5 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 6 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:

Additional Notes: 6am - 10am

Signature:  Name: Travis & Shannon Date: 9/1/24

9/1/24

12/1/24
Ute


Spray Plan and Application Record for TSME Services

Client Business Name		Somerset Ag Services Pty Ltd					
Property Address		452 – 486 Little’s Road, IVORY CREEK QLD 4313					
Operator’s Name		Travis Enks					
Phone:	0434 550 768	Email:	tsmeservices@gmail.com				
Description of where pesticide was applied:		Lantana Spraying					
PPE used		Application Equipment		Pest Type		Application Details	
Overalls	x	Backpack		Weed	x	Spraying speed (km/h)	
Rubber gloves	x	Spraytank/Hand gun	x	Insect		Water Volume (L/ha)	
Respirator/Mask	x	Boom Spray		Disease		Nozzle	
Goggles	x	Drench gun		Vertebrate pest		Pressure	
Hat	x	Other:		Other:		Pre-op Check OK?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Other:						Signs used to notify public?	Yes <input type="checkbox"/> No <input type="checkbox"/>
No spray zone	N/A	Yes		Neighbours Notified		Date Notified	
Treatment comments/Instructions:							
Spray Mixture Ingredients		Batch Number			Application Rate		
Product Used:							
Trade Name:							
A: <input type="checkbox"/> Grazon Extra					500ml/100L		
B: <input checked="" type="checkbox"/> Starane Advanced		97087267			600ml/100L		
C: <input type="checkbox"/>							
Active Constitute:							
A: Triclopyr, Picloram, Aminopyralid							
B: Fluroxypyr							
C:							
APVMA Number:							
A: 60830/105077							
B: 62287/117973							
C:							
Diluent:							
Wetting Agent:							
SP700		174734			350ml/100L		
Other Ingredients:							
Reactor Red Dye		40152			1L/600L		

Tank Distribution Details:

Tank 1 volume: 600L	Weather and Time details @ start time: 6:00 am
	Delta T:
	Wind (speed & direction): 0
	Temp: 21.6
	Observations:
Tank 2 volume: 600L	Weather and Time details @ start time: 7:30 AM
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 3 volume: 600L	Weather and Time details @ start time: 9:00 am
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 4 volume: 600L	Weather and Time details @ start time: 10:05
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 5 volume: 600L	Weather and Time details @ start time: 11:20
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 6 volume: 600L	Weather and Time details @ start time: 1:30 pm
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:

Additional Notes: Ute 2 man 6:00 - 2:30

Signature:  Name: Jason / Shannon Date: 12/1/24

27/4/24

Spray Plan and Application Record for TSME Services

Client Business Name	Somerset Ag Services Pty Ltd		
Property Address	452 – 486 Little’s Road, IVORY CREEK QLD 4313		
Operator’s Name	Travis Enks		
Phone:	0434 550 768	Email:	tsmeservices@gmail.com
Description of where pesticide was applied:	Lantana Spraying		

PPE used	Application Equipment	Pest Type	Application Details			
Overalls	x Backpack	Weed	x	Spraying speed (km/h)		
Rubber gloves	x Spraytank/Hand gun	x Insect		Water Volume (L/ha)		
Respirator/Mask	x Boom Spray	Disease		Nozzle		
Goggles	x Drench gun	Vertebrate pest		Pressure		
Hat	x Other:	Other:		Pre-op Check OK?	Yes	No
Other:				Signs used to notify public?	Yes	No


No spray zone	N/A	Yes	Neighbours Notified	Date Notified
Treatment comments/Instructions:				

Spray Mixture Ingredients	Batch Number	Application Rate
Trade Name:		
A: <input type="checkbox"/> Grazon Extra		500ml/100L
B: <input checked="" type="checkbox"/> Starane Advanced	97087267	600ml/100L
C: <input type="checkbox"/>		
Active Constitute:		
A: Triclopyr, Picloram, Aminopyralid		
B: Fluroxypyr		
C:		
APVMA Number:		
A: 60830/105077		
B: 62287/117973		
C:		
Diluent:		
Wetting Agent:		
SP700	174 734	350ml/100L
Other Ingredients:		
Reactor Red Dye	40152	1L/600L

Tank Distribution Details:

Tank 1 volume: 600Lts	Weather and Time details @ start time: 6:03
	Delta T:
	Wind (speed & direction):
	Temp: 17.3
	Observations:
Tank 2 volume: 600Lts	Weather and Time details @ start time: 7:55
	Delta T:
	Wind (speed & direction):
	Temp: 20.3
	Observations:
Tank 3 volume: 600Lts	Weather and Time details @ start time: 9:58
	Delta T:
	Wind (speed & direction):
	Temp: 24.6
	Observations:
Tank 4 volume: 600Lts	Weather and Time details @ start time: 11:44
	Delta T:
	Wind (speed & direction):
	Temp: 30.1
	Observations:
Tank 5 volume: 600Lts	Weather and Time details @ start time: 2:15
	Delta T:
	Wind (speed & direction):
	Temp: 28.4
	Observations:
Tank 6 volume: 600Lts	Weather and Time details @ start time: 3:41
	Delta T:
	Wind (speed & direction):
	Temp: 25.1
	Observations:


Additional Notes: 6.00- 2 people

Signature:  Name: Scott Traus Date: 27/4/2024

Tank Distribution Details:

Tank 1 volume: 600L	Weather and Time details @ start time: 12
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 2 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 3 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 4 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 5 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:
Tank 6 volume:	Weather and Time details @ start time:
	Delta T:
	Wind (speed & direction):
	Temp:
	Observations:

Additional Notes: 12-4pm

Signature: 

Name: Travis

Date: 29/11/23

28/11/23

29/11/23

Spray Plan and Application Record for TSME Services

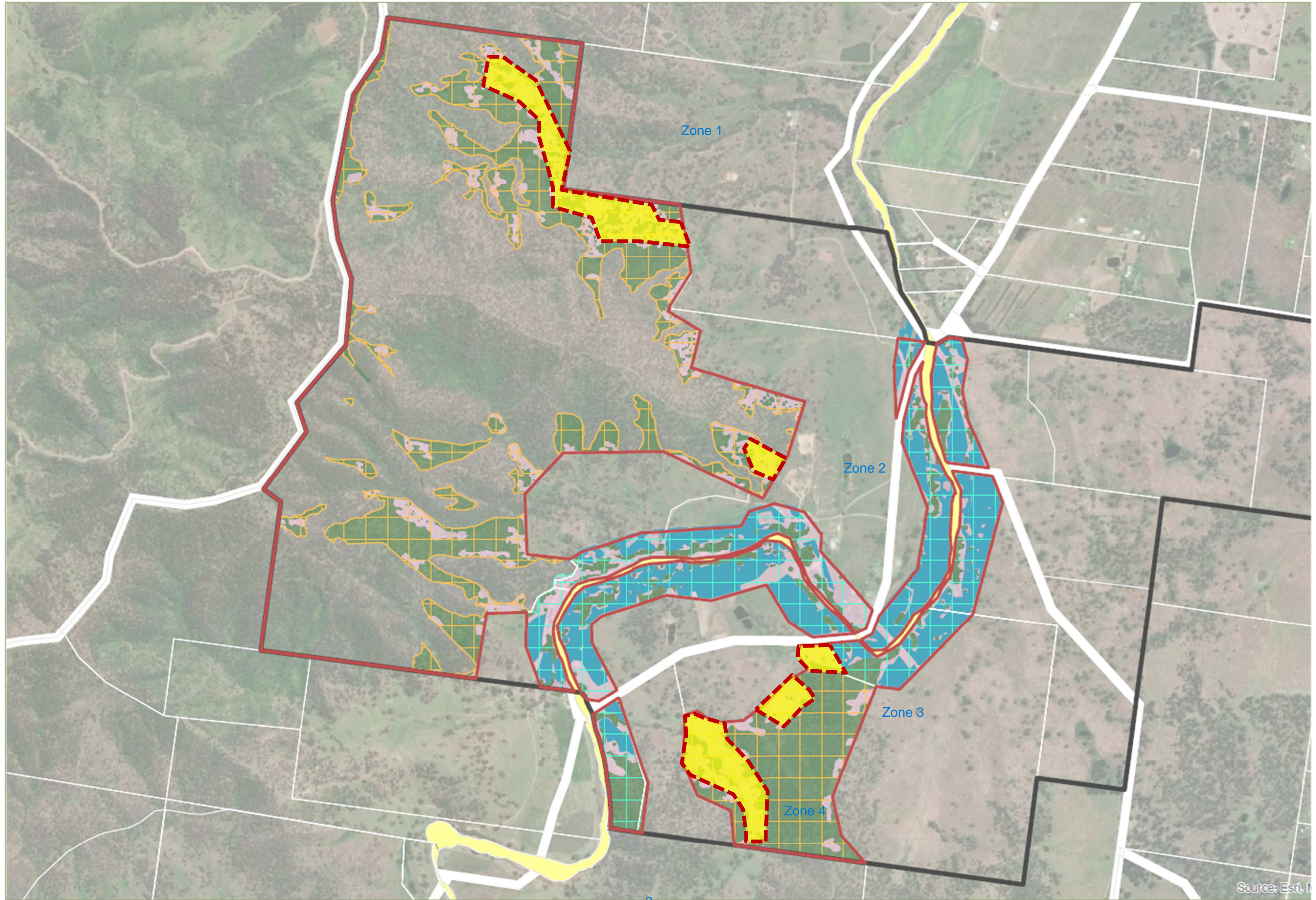
Client Business Name		Somerset Ag Services Pty Ltd					
Property Address		452 – 486 Little's Road, IVORY CREEK QLD 4313					
Operator's Name		Travis Enks					
Phone:	0434 550 768	Email:	tsmeservices@gmail.com				
Description of where pesticide was applied:		Lantana Spraying					
PPE used		Application Equipment		Pest Type		Application Details	
Overalls	x	Backpack		Weed	x	Spraying speed (km/h)	
Rubber gloves	x	Spraytank/Hand gun	x	Insect		Water Volume (L/ha)	
Respirator/Mask	x	Boom Spray		Disease		Nozzle	
Goggles	x	Drench gun		Vertebrate pest		Pressure	
Hat	x	Other:		Other:		Pre-op Check OK?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Other:						Signs used to notify public?	Yes <input type="checkbox"/> No <input type="checkbox"/>
No spray zone	N/A	Yes		Neighbours Notified		Date Notified	
Treatment comments/Instructions:							
Spray Mixture Ingredients		Batch Number			Application Rate		
Product Used:							
Trade Name:							
A:	<input type="checkbox"/> Grazon Extra				500ml/100L		
B:	<input checked="" type="checkbox"/> Starane Advanced	B270M35248			600ml/100L		
C:	<input type="checkbox"/>						
Active Constitute:							
A:	Triclopyr, Picloram, Aminopyralid						
B:	Fluroxypyr						
C:							
APVMA Number:							
A:	60830/105077						
B:	62287/117973						
C:							
Diluent:							
Wetting Agent:							
SP700		220978K			350ml/100L		
Other Ingredients:							
Reactor Red Dye		40152			1L/600L		



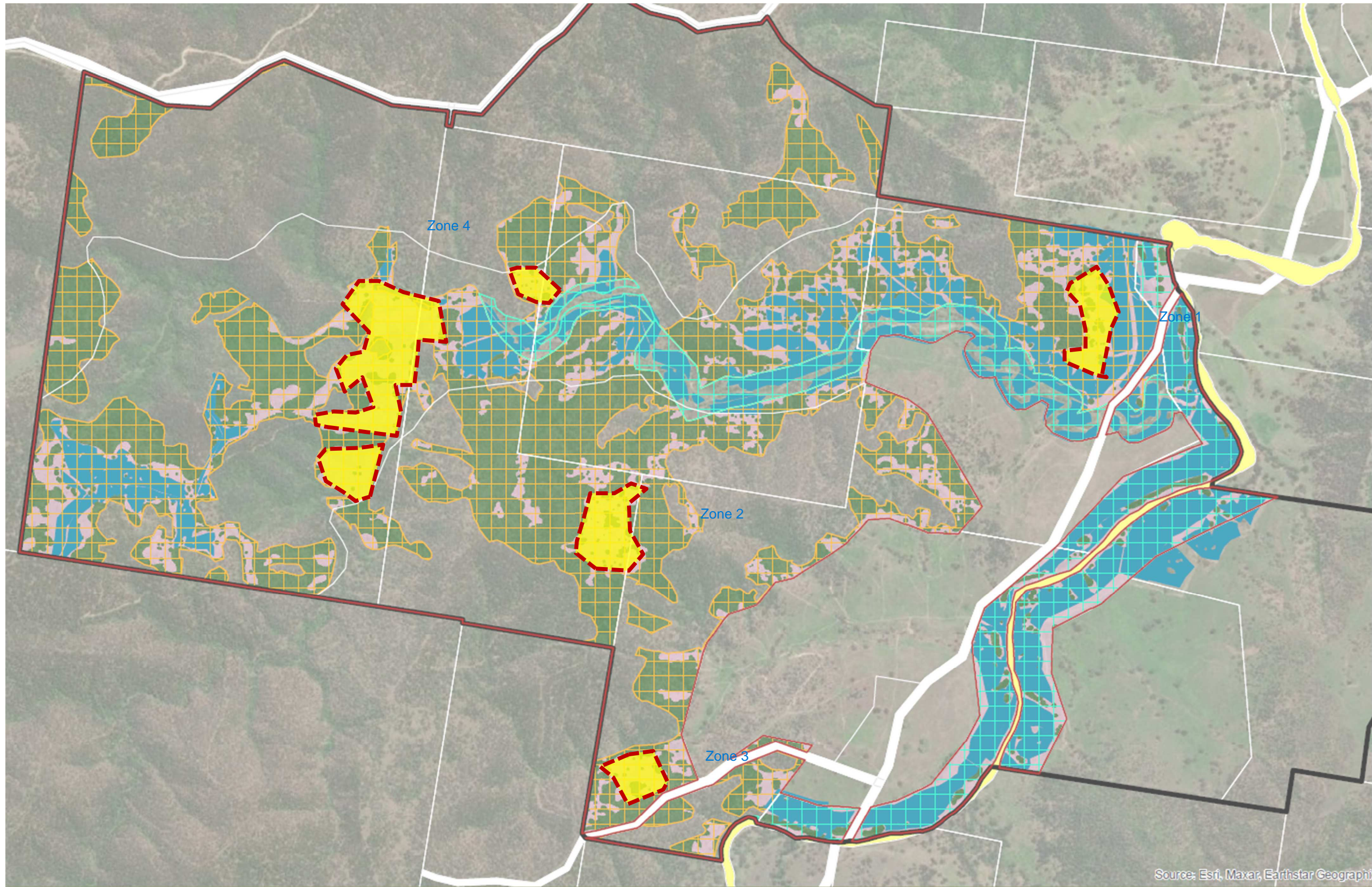
Appendix C

Infill revegetation planting zone map

PLAN 2 - AVONVALE OFFSET SITE I RESTORATION SUMMARY



Source: Esri, M



Source: Esri, Maxar, Earthstar Geographi