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| **Business name:** | *PJ’s Vineyard* | | |
| **Date conducted:** | 16th August 2021 | **Completed by:** | Mardi & Co |

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| **Sustainability risks/assets** | **Location** (on property/site or external) | **Actions planned to address issue/protect asset**  (what, when & how?) | **Worker(s) responsible**  (who?) | **Timeframe/target date of completion**  (short or long term?) | **Evaluation** (review, outcomes, plan changes)  **Sign off of completed actions** |
| *Water* | *Vineyard* | *Uneven distribution of irrigation*   1. *Assess drip line and distribution* 2. *Replace where it is uneven* | *Charlie* | *28/7/22 and ongoing replacement* | *1. Distribution uniformity*  *2. Total water use decrease*  *3. More even yield* |
| Completed Date:  Name & Signature: |
| *Water and soil quality* | *Vineyard* | * *Monthly water tests for salinity* * *Adjust irrigation depending on results* | *Shane* | *Annual Evaluation* | *Vine growth good, no symptoms* |
| Completed Date:  Name & Signature: |
| *Biodiversity* |  | *Select multi-species mid row cover crop to enhance beneficial insect populations* | *Andy* | *Annual* | * *Photos during mid-late spring (flowering)* * *Biological testing of soil every 3 years (same lab, same time of year, same soil moisture to remove variability)* |
| Completed Date:  Name & Signature: |

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| *Biodiversity* | *Whole property* | * *Fenced 14ha* * *Monitor every 3 years* * *Eradicate weeds* * *Revegetation plan in place* * *Audit every 5 years* | *Nigel* |  | Annual photos of progress |
| Completed Date:  Name & Signature: |
| *Fuel efficiency – reduce the number of tractor passes* | *Whole of vineyard* | *Applying fertigation rather than broadcast* | *Joel* | *1/10/21 and ongoing* | *L fuel saved per year* |
| Completed Date:  Name & Signature: |
| *Herbicide use and protecting soil health* | *Vineyard* | 1. *Encouraging under vine cover crops to compete with weeds* 2. *Cultivate in areas where specific weeds area a problem* | *Ianto* | *19/7/22* | 1. *Efficacy of control* 2. *Long-term plan implemented*   *Reduced diesel use* |
| Completed Date:  Name & Signature: |
| *Avoided leaching of fertilisers to the environment (creek)* |  | * *Monitoring weather, ground water level, soil saturation to avoid runoff* * *Regular soil tests* * *Engagement with local Catchment authority* * *Investigate alternative fertiliser application methods* |  | *Ongoing* | *No fertiliser residues in the creek* |
| Completed Date:  Name & Signature: |

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| *Waste* |  | 1. *Replace posts with steel* 2. *Recycle timber posts.* 3. *Bundle posts to give away* | *Sheridan* | *Nov 2021* | *All post purchases are steel for new development & replacements in existing.*  *Reduce stockpile* |
| Completed Date:  Name & Signature: |
| *Water security* | *Whole property* | 1. *Investigate alternative water sources* 2. *Investigate a dam cover* 3. *Investigate water conservation methods* | *Bruce* | *1/10/21* | *Evaluate costings, implement at least 1 water conservation method* |
| Completed Date:  Name & Signature: |
| *Biosecurity* | *Vineyard* | *Better record-keeping of visitors entering the vineyard, set up a register, enforce sign-in on arrival* | *Kerry* | *Immediate & ongoing* | *Complete register of visitors* |
| Completed Date:  Name & Signature: |
| *Waste* | *Vineyard* | *Reduce waste to landfill*  *Investigate options for recycling/selling metal (wire) to reduce my stockpile* | *Max* |  | *Reduce stockpile by half* |
| Completed Date:  Name & Signature: |
| *Air* | *Vineyard* | *Investigate options to reduce dust at harvest* | *Sam* | *January 2022* | *Costings for at least 2 options to inform action* |
| Completed Date:  Name & Signature: |
| *Energy* | *Vineyard* | *Look for opportunities to reduce the number of tractor passes per year* | *Meg* | *January 2022* | *Implement 1 changed operation* |
| Completed Date:  Name & Signature: |

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| *Water* | *Vineyard* | *Evaluate distribution uniformity of older blocks* | *Dave* | *July 2022* | *All blocks evaluated* |
| Completed Date:  Name & Signature: |
| *Biodiversity* | *Farm* | *Diversifying revegetation to increase insectarium benefits.*  *Investigate new/alternative species for planting tree breaks*  *Keep sheep out* | *Lucy* | *Ongoing, commence in 2021* | *Monitor beneficial insect populations in vineyard & health of vegetation* |
| Completed Date:  Name & Signature: |
| *Weed/pest control to improve soils, enhance biodiversity, P&D management & water efficiency* | *Whole vineyard* | *Minimise herbicide and insecticide use by more strategic use of cover crops* | *Andrew* | *1/10/21 and ongoing* | *Volume of herbicide used (looking for a reduction)* |
| Completed Date:  Name & Signature: |