

Case study

Langhorne Creek Wine Region



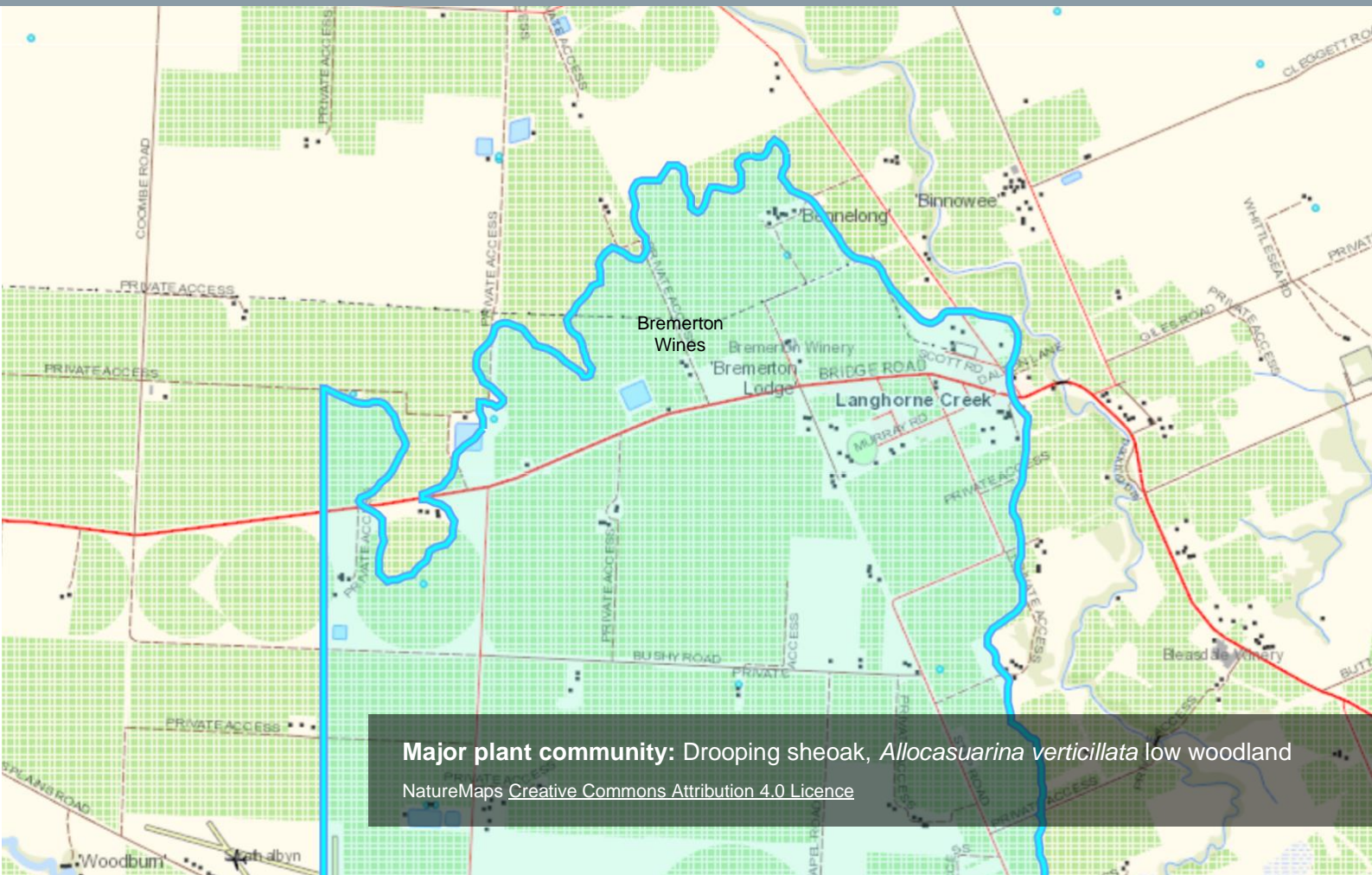
Bremerton Wines, Langhorne Creek

EcoGrower: Bec Willson

"I love being part of the EcoVineyards tribe it has been very rewarding. I see a gathering of industry people opening their minds to alternative / new practices (like at the EcoVineyards field days and events) and It makes me feel good for the future of our industry. I also love the open sharing nature if our industry this raises us all up."



October 2023



Major plant community: Drooping sheoak, *Allocasuarina verticillata* low woodland
 NatureMaps Creative Commons Attribution 4.0 Licence

Case study

What worked well?

We left our planting run quite late in the season (November), given a delayed spring it was still a successful plant but a bit stressful! Ultimately, we had a very successful strike rate and 1st season growth has been fabulous.

Pitfalls to avoid?

I would increase my row widths of the plantings to allow the big ride on mower access between to help with weed control.

We have a high % of ground cover, sprawling species which does make controlling the weeds more difficult.

What are you more aware of now?

Overall, the involvement in the EcoVineyards program has increased our awareness of biodiversity and how vineyards traditionally are quite mono in their diversity. I am also more aware of the local native flora and fauna.

Where to from here?

We are starting a new round with the National EcoVineyards program and taking a different approach and focusing on a green field site to establish it native species pre-planting and introduction of the infrastructure. We will continue to plant native species with a focus on botanicals that can be utilised into our gin production.

Progress (June 2021 to 2023):

What were you hoping to achieve and why?

Our project was to plant out a vacant area adjacent to our vineyard with native species, increasing the biodiversity of our property and providing habitat for beneficial insects and a source of native ingredients for our gin production.

My motivation to apply was the desire for education around the biodiversity opportunities for our sites and to be able to surround myself with like-minded people who I could learn from and start to put into practice those learnings and see a real impact on the diversity and health of our land.

What did you do and when?

We prepared a green field site for planting, ran irrigation, sourced tube stock from Ben Simon at Goolwa to Wellington LAP (GWLAP), sourced weed mats, guards, and stakes from Arborgreen, and as a winery team we planned named and planted out 358 tube stock. In addition, we filled in gaps surrounding our carpark with additional native plants sourced from state flora in Murray Bridge.

Any highlights that you would like to share?

Using Ben at GWLAP was awesome as he selected plant species already native to our zone. We haven't yet experienced a full flowering season on this site but on the other planting from previous year we saw awesome insect numbers and bees during the flowering stages.

Are there any outstanding knowledge gaps you would like filled?

Many... and I am learning every day via my involvement in the program, I think the focus for me will be on the soil micro level.

What has been the most valuable aspect of the program for you personally?

Knowledge sharing and contacts... Ability to apply learnings in a practical on farm sense. Not just theory.









EcoGrower: Bec Willson, Bremerton Wines

Langhorne Creek Wine Region



Native plant list:

- *Acacia acinacea*, gold dust
- *Acacia euthycarpa*, wallowa wattle
- *Acacia myrtifolia*, myrtle wattle
- *Acacia pingufolia*, flat leafed wattle
- *Atriplex semibaccata*, creeping saltbush
- *Bursaria spinosa*, sweet bursaria
- *Calytrix tetragona*, fringe myrtle
- *Carpobrotus rossii*, pigface
- *Chrysocephalum apiculatum*, everlasting daisy
- *Correa glabra*, rock correa
- *Cymbopogon ambiguous*, lemon grass
- *Dodonaea beauri*, crinkled hop bush
- *Dodonaea viscosa*, sticky hop bush
- *Grevillea lavandulacea*, spider flower
- *Hakea vittate*, stripped hakea
- *Kennedia prostrata*, running postman
- *Linum marginale*, native flax
- *Lomandra multiflora dura*, many flowered mat-rush
- *Lotus australis*, austral trefoil
- *Maireana brenifolia*, blue bush
- *Olearia sp.* olearia daisy
- *Pelargonium austral*, native storksbill
- *Pilteneaea tenuifolia*, bush pea
- *Pomaderris paniculosa*, coast pomaderris
- *Prostanthera incisa*, cut-leaf mint bush
- *Pulteneaea largiflorens*, twiggy pea bush
- *Swainsonia lessertifolia*, coastal swainsonia
- *Thomasia patalocalyx*, paper flower
- *Vittadinia australasica*, fuzzweed daisy
- *Wahlenbergia luteola*, native bluebell

Expenses (cash and in-kind)

Name: Bremerton Wines		Region: Langhorne Creek		
Date	Activity	Number of plants	Grant cash expenses	In-kind time captured
5/01/2021	Grevillea Lanigera "Winter Wonder" Plants (@ 6.95 ea)	6	\$ 42	
5/01/2021	Casuarina Glauca "Cousin IT" Plants (@ 11.00 ea)	3	\$ 33	
1/11/2021	State Flora, native lemongrass plants and some river mint	20	\$ 89	
13/11/2020	SF Tube- Seeded (3 @4.95 ea)	3	\$ 14	
13/11/2020	SF Punnet (2 @ 4.95 ea)	2	\$ 9	
13/01/2022	SF Tube- Seeded (5 @ 4.00 ea, 1 @4.95 ea)	6	\$ 23	
13/01/2022	SF Pot- 140mm (5@ 12.95 ea)	5	\$ 59	
13/01/2022	Troforte M Prills 3.5kg		\$ 36	
13/01/2022	30L SAC Compost (8 @7.95 ea)		\$ 58	
25/01/2022	Drill holes for tree planting as directed		\$ 400	
10/08/2022	358 units of forestry tubes of insectary plants-see word doc for plant list	358	\$ 816	
13/10/2022	EKO Jute squares		\$ 315	
13/10/2022	Mallee Flute Tree Guard		\$ 317	
13/10/2022	Hardwood Stakes		\$ 164	
13/10/2022	Mallee 10L Carton Cardboard Tree guard		\$ 112	
13/10/2022	Bamboo Cranes		\$ 73	
13/10/2022	Neutrog Seamungus		\$ 24	
13/10/2022	Neutrog Rapid Raiser		\$ 19	
2/11/2023	6 X staff planting (6 hours)			36 hrs
18/06/2023	SF Pot 140mm (5 @ 12.95 ea)	5	\$ 65	
18/06/2023	SF Pot 200mm (2 @ 19.95 ea)	2	\$ 40	

Date	Activity	Number of plants	Grant cash expenses	In-kind time captured
	Weeding and whipper snipping			3 hrs
18/06/2023	SF Pot 140mm PBR (@ 15.50 ea)	2	\$ 31	
18/06/2023	SF Tube- Seeded (5@ 4.00 ea, 1 @4.95 ea)	6	\$ 25	
18/06/2023	SF Pot- 250mm (3@ 39.95 ea)	3	\$ 120	
18/06/2023	SF Rocket Pot- 200mm (5@ 39.95 ea)	5	\$ 200	
18/06/2023	SF- Troforte Tab Bag 3@ \$2.00	3	\$ 6	
22/06/2023	NatureTie Hessian tree tie - 50mm wide x 30m roll PLHE3050R		\$ 11	
22/06/2023	PLSSP1650 Steel Star Pickets, 1,650mm 12 @ \$10.00		\$ 120	
22/06/2023	TRAILBLAZER 2.7mm Trimmer Line 450g -70m Donut \$27.44		\$ 27	
22/06/2023	WOILM3 WOLF Duo Hoe (head only)		\$ 25	
22/06/2023	WOZM17 WOLF handle for hoe head		\$ 36	
22/06/2023	SO402 SOLO Bottle Sprayer 2L X 2		\$ 69	
22/06/2023	NESEA20 Neutrog Seamungus - 20Kg Bag X 2 \$23		\$ 48	
22/06/2023	Neutrog Rapid Raiser 20kg Bag		\$ 20	
26/06/2023	Whites rural mesh round for compost rings		\$ 305	
22/06/2023	Heavy duty compost thermometer		\$ 196	
22/06/2023	Probe handle for Compost thermometer		\$ 54	
TOTAL		429	\$ 4,000	42 hrs



ECO VINEYARDS

GROWING RESILIENCE NATURALLY

Program partners



This project is supported by the Department of Agriculture, Water and the Environment, through funding from Australian Government's National Landcare Program.

Acknowledgement of country

The EcoVineyards program acknowledges Aboriginal people as the First Peoples and Nations of the lands and waters we live and work upon and we pay our respects to their Elders past, present, and emerging. We acknowledge and respect the deep spiritual connection and the relationship that Aboriginal and Torres Strait Islander people have to Country.

Disclaimer

The information contained in this case study is provided for information purposes only. The Wine Grape Council of South Australia and Retallack Viticulture Pty Ltd give no representations or warranties in relation to the content of this case study including without limitation that it is without error or is appropriate for any particular purpose. No person should act in reliance on this case study without first obtaining specific, independent professional advice having regard to their site(s). The Wine Grape Council of South Australia and Retallack Viticulture Pty Ltd accept no liability for any direct or indirect loss or damage of any nature suffered or incurred in reliance on the content of this case study.

For more info about the National EcoVineyards Program see <https://www.ecovineyards.com.au>

© Retallack Viticulture Pty Ltd