

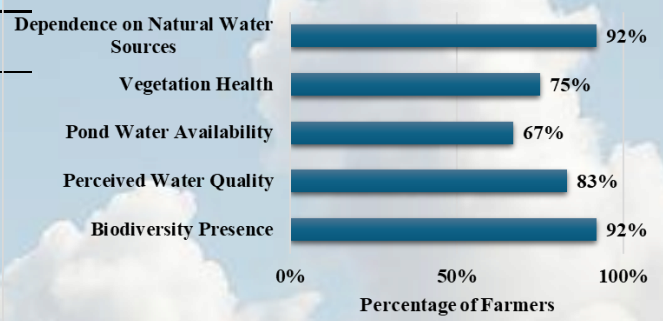
DPLUS206: CLIMATE IMPACTS ON FI PAST, PRESENT AND FUTURE FRESHWATER DYNAMICS



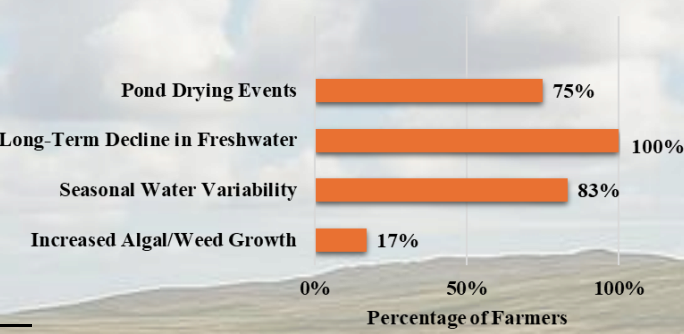
Summary Table of Farmer Responses on Freshwater Conditions (YES/NO)

Question	Yes	No	Partial
Do your ponds have water over summer?	8	3	1
Are waterfowl (or other native birds) present nearby?	11	1	0
Do you think freshwater in your area is good quality?	10	2	0
Are the surrounding plants green and healthy?	9	2	1
Do you rely on freshwater from ponds or streams for livestock or daily use?	11	1	0
Have you seen more algae or weed growth in your ponds in recent years?	2	10	0
Do you notice a difference in water levels season-to-season / year-to-year?	10	2	0
Do you think there is less freshwater available now than 10 years ago?	12	0	0
Have your ponds ever dried up completely?	9	2	1

Positive Indicators from Farmers's Survey



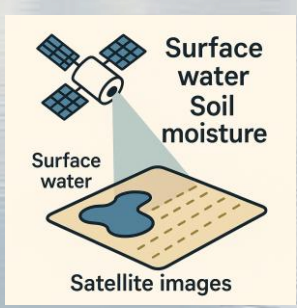
Areas of Concern from Farmers's Survey



Surface water area(2021-2025) : Moderate increasing trend
Soil Moisture (2016-2021) : Gradual upward trend, seasonal gap between dry/wet narrowing.

Surface water area (2021-2025): Significant increase, highest seasonal variability, water extent rise.
Soil Moisture (2016-2021): Improved summer moisture, strong winter recharge, especially in 2019-2020.

Soil Moisture (2016-2021): Soils are getting slightly wetter overall. Moisture recovery after dry periods is weakening.



Surface water area (2021-2025): No significant trend, minor seasonal fluctuations suggest stable conditions.
Soil Moisture (2016-2021): Winters getting wetter since 2018, seasonal recovery improving.

Soil Moisture (2016-2021): Summer soils are wetter now than in 2017. Winters are slightly drier, with weaker seasonal recovery.

Soil Moisture (2016-2021): The soils are much wetter in the summer. Winter moisture is steady and healthy.

Summary: A Starting Point, Not a Conclusion
 Survey responses from farmers across the Falkland Islands point to growing concern about freshwater availability, and water quality. Satellite-based soil moisture index (2016–2021) and surface water area analyses (1999–2025) provide preliminary, spatially consistent data that can help contextualize these experiences. However, it's essential to frame these findings as indicative rather than conclusive, given the lack of baseline ecosystem data, limited ground validation, and the fact that the most recent dry years are not included.

We would like to express our sincere gratitude to all the landowners who contributed to this important monitoring initiative.