Welcome to Plas Newydd and Thank you.
Plas Newydd Farm,

Aubery and Constance Morgan purchased bulk of property in 1941. They moved out in 1945.

Jersey Cattle Dairy producing 1948 World Champion Cow, Brampton Lea Zana.

Had a Forest Plan in 1948 as well.

Rhidian Managed from 1975 to 2012

David transitioned to managing the farm in 2012 after working full time from 2007
1929 Aerial Photo showing farm area
1979 Aerial Photo
Hard to see major harvest in the middle lands. Rhidian replanted these areas extensively.

Photos were very hard to come by before Google earth.
1996 Flood
Major event for non forestry part of the farm.
1850-1860 Barn
Historical Timber Frame with some milled lumber as well as Adze marking on the timber framing. But in need of a little work.
• Barn restoration
• 2011 Restoration Grant from Department of Historic Preservation
• http://www.dahp.wa.gov/heritage-barn-grants
Restoration Actions

- Remove failed roof and siding
- Remove rotten rafters
- Remove rotten top plates
- Replace rotten pole bases
- Replace rotten top plate using material worked on site
- Mill new rafters using local wood
- Replace Roof
- Sheds and sides removed to match original design.
2015 Barn grant
Replace roof and electrical on Dairy Barn
• NRCS Projects
  • Oak Habitat Restoration
  • Off Channel Watering Systems in 1994 and 2013
  • Forest Stand Improvement
  • Resistant Species Replanting
  • Forest Diversity
1994 Solar Cattle well

Installed to move cattle off sensitive areas near the river and provide clean water for the animals.
2011 Solar Cattle System
Installed to protect the Lewis river from cattle actions and protect open water in the fields.
WHIP and EQIP Programs

Working with Anitra and the Soil Conservation Service, and later NRCS (Natural Resources Conservation Service) over decades we have used both programs to enhance habitat and manage timber areas. We installed 4000’ of off channel water system for Cattle. We did forest stand improvement, thinning in a year that had no market. We also did Oak habitat restoration where competing species were removed from the Oak Savannah understory.

All these programs serve several uses, they help habitat and make transitions to best practices easier. They are designed to be about 75% of commercial cost.

$76,000

Each year has different priorities, and needs, and you need to adapt rapidly. Our biggest grant we had been talking about for over 10 years.
Working with NW Truffle dogs to setup a harvest and season timing. All fungi have micro climates that make timing difficult.
Alternate Forest Products
- Tree Farm System

Planting Types,
Cedar, Willamette Valley Ponderosa Pine, Western White Pine, Oak Savannah
Research on historical tree types
Root rot control.
Custom Milling
- Drying
- Stacking
- Labeling
Picture of each with dimensions
Sticker to move weight evenly
Accessability and inventory
Forest Management Plan
Harvest Plan and Rotation
Working on approximately 12 acre cutting areas every year for a 50 year rotation where we can achieve that.
Google Earth forestry
2011 planting now able to see the pine tree survival in google earth. The fir and cedar do not seem to show up as well. Cedar in this picture in tree tubes to protect from deer. Site had several super dry years favoring Willamette Valley Ponderosa Pine
• Fire Prevention and Access

• Critical for Fire and EMS crew to be able to respond accurately to events.

• Risk from River for both need of access and fire from camping.
• Ecosystem Services
  • Restoring wetland and species habitat to unique areas.
  • Creating Long term funded protection for the farm maintaining both family goals and habitat availability.
  • Allowing continued best practice forestry in areas that are suited to forest land
  • Oak Savanna and Oak woodland restoration and protection.
  • Fish habitat restoration as well as other threatened species.
• Tour
  • 1\textsuperscript{st} Stop Replant Date
  • 2\textsuperscript{nd} Stop 2011 Harvest
  • 3\textsuperscript{rd} Stop
  • 4\textsuperscript{th} Stop
  • 5\textsuperscript{th} Stop