

NR SAMDB Sustainable Farming Program

nrmFARM

This project is supported by funding from the South Australian Murray-Darling Basin NRM Board the South East NRM Board and the Australian Government.



Government of South Australia
South Australian Murray-Darling Basin
Natural Resources Management Board



Natural Resources
SA Murray-Darling Basin

What is nrmFARM

- **nrmFARM** is a free online farm management and records keeping program for farmers, horticulturalists, and rural property owners
- Available in the Natural Resources SA Murray-Darling Basin (SAMDB) and South East (SE) regions.
- Web based farm management tool which allows users to create and save a map of their property and record farming actions and activities that have been undertaken.
- Accessed via internet through a secure log-in.
- No software downloads required.

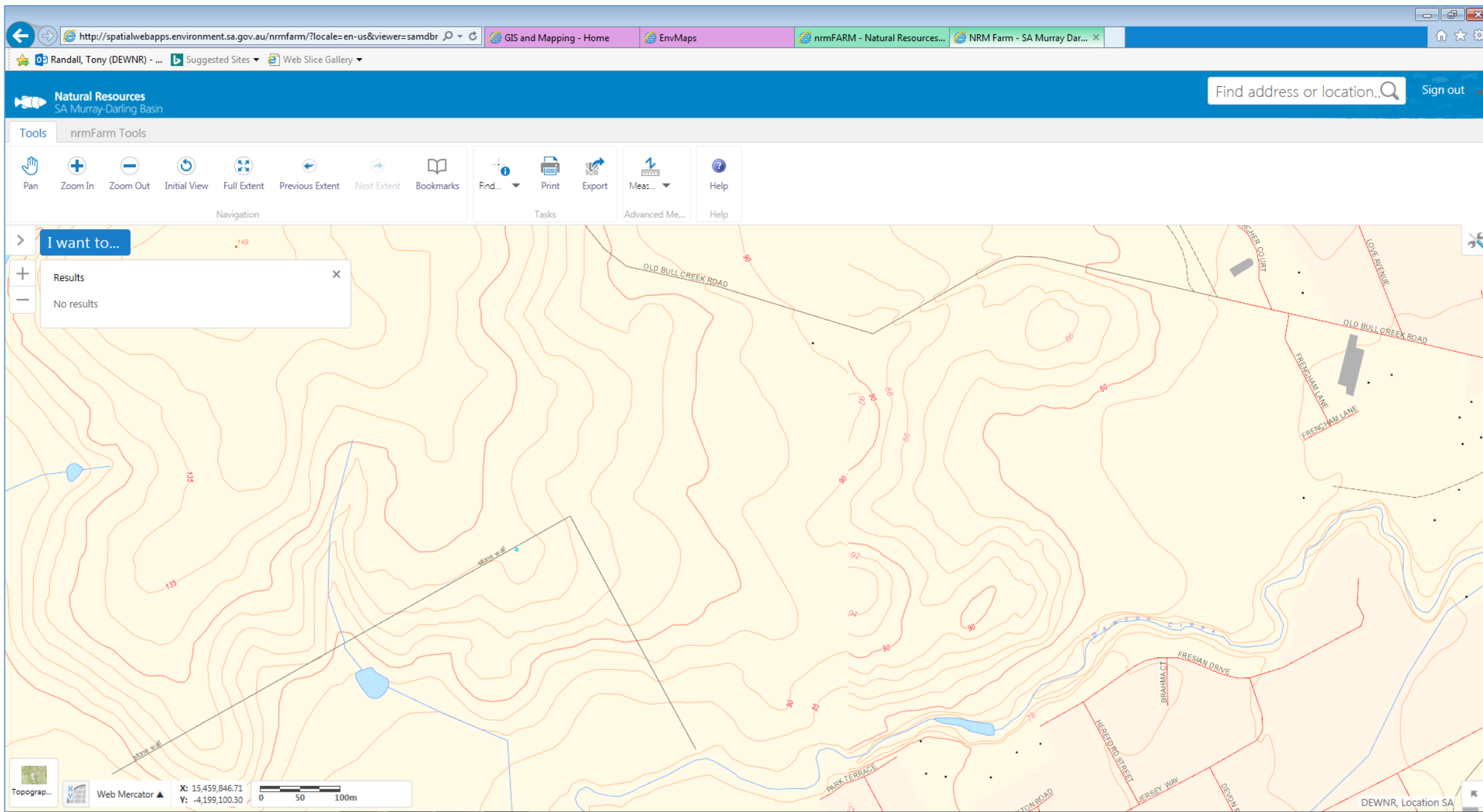


What can be recorded




nrmFARM records a range of farm infrastructure and activities over a map or aerial image of your property. These include:


- Farm infrastructure (buildings, fences, water infrastructure)
- crop and livestock types
- Fertiliser and soil improvement applications
- chemical applications
- animal husbandry activities
- spraying and baiting weeds and pests
- soil and water test results.
- Vegetation management (shelter belts, erosion or salinity plantings, bushland, revegetation)
- Generate property and paddock reports







Tools


← →  <http://spatialwebapps.qa.env.sa.gov.au/nrmFarm/?vie>  iShare  NRM Farm - SA Murray Dar... x


 **Natural Resources**
SA Murray-Darling Basin


Tools nrmFarm Tools


 Pan


 Zoom In


 Zoom Out

 Initial View


 Full Extent


 Previous Extent


 Next Extent

 Bookmarks


Navigation

 Find... ▼


 Print

 Export

Tasks




 Meas... ▼


Advanced M...

 Help


Help

nrmFARM Tools


← →  <http://spatialwebapps.qa.env.sa.gov.au/nrmFarm/?vie>  iShare  NRM Farm - SA Murray Dar... x


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Tools nrmFarm Tools


 Search


Search

 Create Feature


 Edit Feature


Editing


 Property Report


 Paddock Report

Reporting


 Export Selection

 Load GPS File

 Clear GPS Graphics

 Export to Shapefile

Data Tools

 Help

Help

You can switch on aerial view or leave topographic view

Web browser interface showing a map application. The address bar displays `http://spatialwebapps.qa.env.sa.gov.au/nrmFarm/?vie`. The page title is "NRM Farm - SA Murray Dar...".

The application header includes the "Natural Resources SA Murray-Darling Basin" logo and a search bar labeled "Search...".

The "Tools" section is titled "nrmFarm Tools" and contains the following categories:

- Navigation:** Pan, Zoom In, Zoom Out, Initial View, Full Extent, Previous Extent, Next Extent, Bookmarks.
- Tasks:** Find..., Print, Export.
- Advanced M...:** Meas..., Help.

The main map area displays an aerial view of a landscape, showing a large brown field, a green field, and a residential area with houses and a sports field. A blue button labeled "I want to..." is visible in the top left corner of the map area.

The bottom status bar includes the "Imagery" layer selector, the "Web Mercator" projection, coordinates (X: 15,460,284.53, Y: -4,199,203.19), and a scale bar (0, 100, 200m).

Create Property Features

Browser address bar: <http://spatialwebapps.qa.env.sa.gov.au/nrmFarm/?view=...>

Page Title: NRM Farm - SA Murray Darling Basin

Search bar: Search...

Tools: nrmFarm Tools

Buttons: Search, Create Feature, Edit Feature, Property Report, Paddock Report, Export Selection, Load GPS File, Clear GPS Graphics, Export to Shapefile, Help

Dropdown menu (Create Feature):

- Select a layer
- Animal Husbandry
- Buildings
- Centpivot
- Crop Pasture
- Fences
- Fertiliser
- Gates Grids
- Land Soils Issues
- Lines Miscellaneous
- Livestock Management
- Paddock - Yard**
- Pests Animal Point
- Pests Animal Polygon
- Pests Plant Point
- Pests Plant Polygon
- Points Miscellaneous
- Polygon Miscellaneous
- Property
- Rainfall
- Soil Amelioration
- Soil Test
- Spray
- Vegetation
- Water Infrastructure Point
- Water Sample
- Yard Stable

Main map area: Aerial imagery of a rural landscape with a large field and a road. A blue button "I want to..." is visible.

Map controls: Imagery, Web Mercator, X: 15,459,835.46, Y: -4,199,167.36, Scale bar (0, 100, 200m).

Create Property Features

Browser address bar: <http://spatialwebapps.environment.sa.gov.au/nrmfarm/?locale=en-us&viewer=samdb>

Page Title: Natural Resources SA Murray-Darling Basin

Search bar: Find address or location... Sign out

Tools: nrmFarm Tools

- Search
- Create Feature
- Edit Feature
- Property Report
- Paddock Report
- Export Selection
- Load GPS File
- Clear GPS Graphics
- Export to Shapefile
- Help

nrmFarm Create feature

I want to...

Paddock Information

Name: * Rocky paddock

Type: * Paddock

Established: Monday March 10, 2014

Comments: Rocky outcrops throughout

Year: 2016

Year Fin:

Create Clear Cancel

Map showing a satellite view of a rural area with a blue-shaded polygon representing the 'Rocky paddock' feature. A red arrow points from the 'Create' button to the polygon.

Map controls: Imagery, Web Mercator, X: 15,458,043.69, Y: -4,199,074.07, Scale: 0 100 200m

Add activities and actions

http://spatialwebapps.environment.sa.gov.au/nrmfarm/?locale=en-us&viewer=samdb... iShare nrmFARM - Natural Resources... NRM Farm - SA Murray Dar...

Natural Resources
SA Murray-Darling Basin

Find address or location... Sign out

Tools nrmFarm Tools

Search Create Feature Edit Feature Property Report Paddock Report Export Selection Load GPS File Clear GPS Graphics Export to Shapefile Help

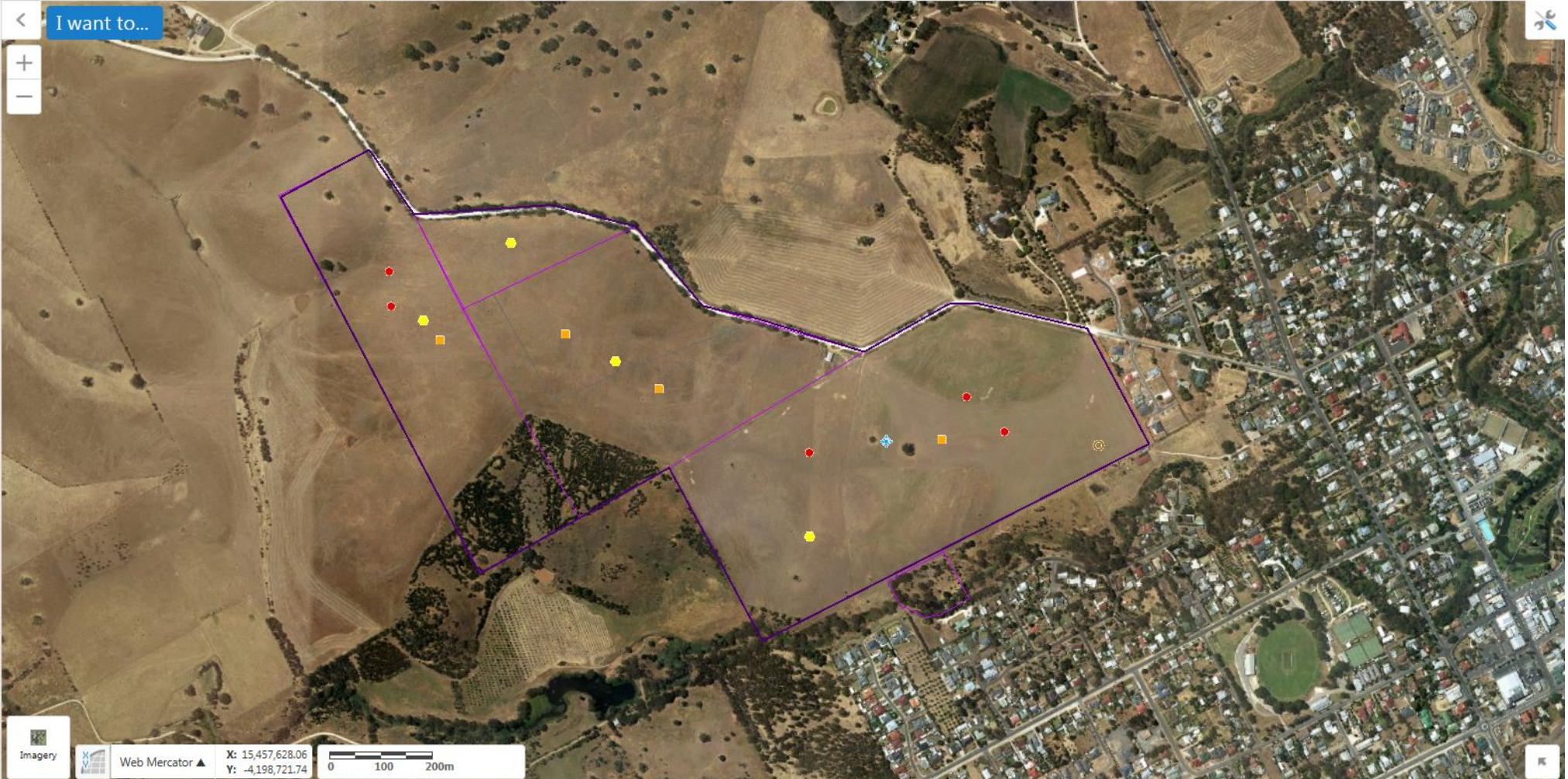
Search Editing Reporting Data Tools Help

Layers

I want to...

- ☒ Operational Layers
 - ☒ Farm Management
 - ☒ Animal Husbandry
 - ☐ Buildings
 - ☒ Crop Pasture
 - ☒ Fertilizer
 - ☐ Gates Grids
 - ☒ Land Soils Issues
 - ☐ Livestock
 - ☐ Pests Animal Point
 - ☐ Pests Plant Point
 - ☐ Points Miscellaneous
 - ☐ Rainfall
 - ☐ Soil Amelioration
 - ☐ Soil Test
 - ☐ Spray
 - ☐ Water Infrastructure Point
 - ☒ Water Sample

Imagery Web Mercator X: 15,457,628.06 Y: -4,198,721.74 0 100 200m



Add activities and actions

http://spatialwebapps.environment.sa.gov.au/nrmfarm/?locale=en-us&viewer=samdb... iShare nrmFARM - Natural Resources... NRM Farm - SA Murray Dar...

Natural Resources
SA Murray-Darling Basin

Find address or location... Sign out

Tools nrmFarm Tools

Search Create Feature Edit Feature Property Report Paddock Report Export Selection Load GPS File Clear GPS Graphics Export to Shapefile Help

nrmFarm Create feature I want to...

Fertiliser Information

Supplier: Elders

Fert. Name: * DAP

Chem. Percentage:

Date Applied: Tuesday May 12, 2015

App. Method: * Spreader

App. Rate: * 80kg/ha

Operator: Tony

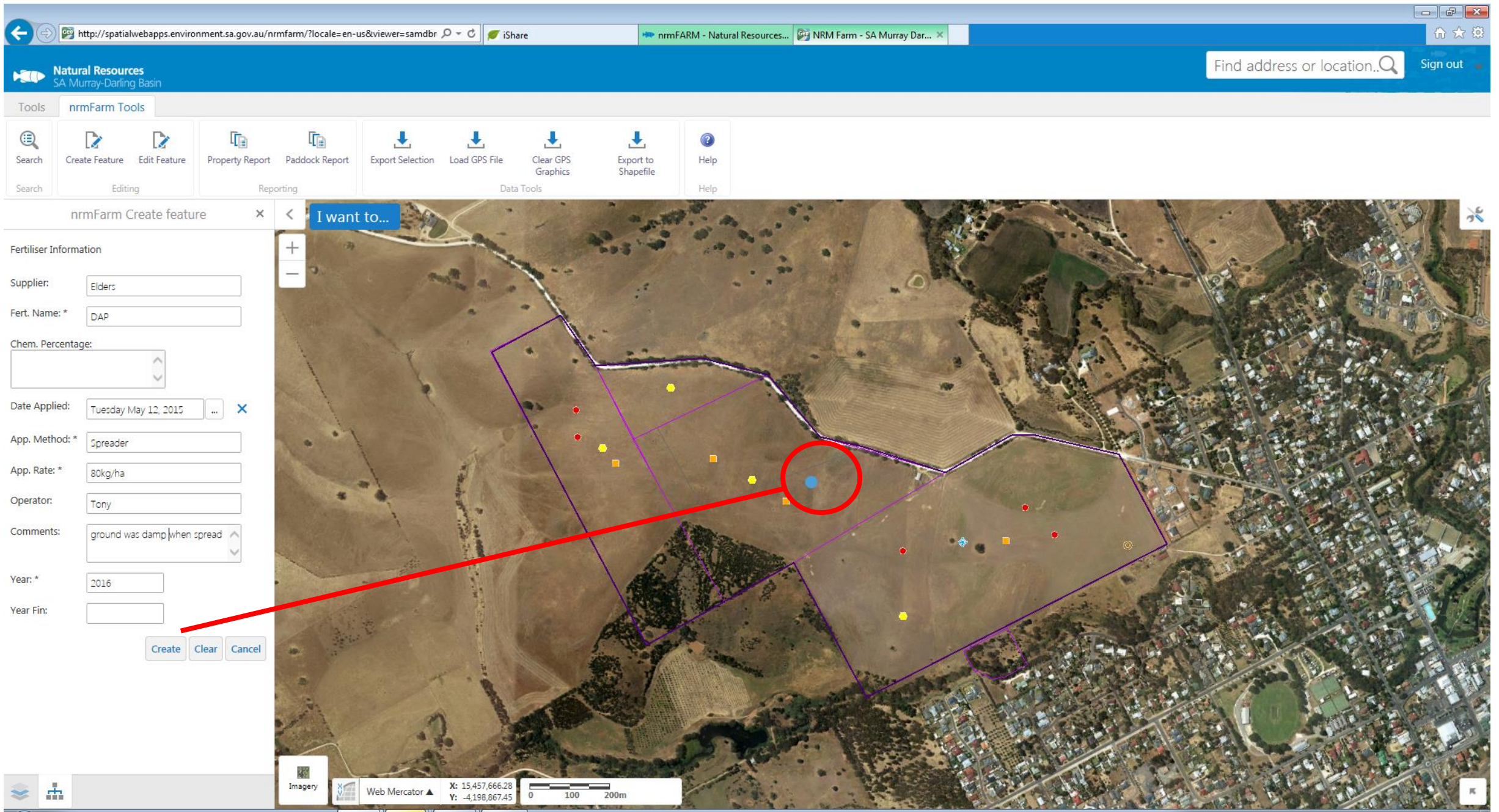
Comments: ground was damp when spread

Year: * 2016

Year Fin:

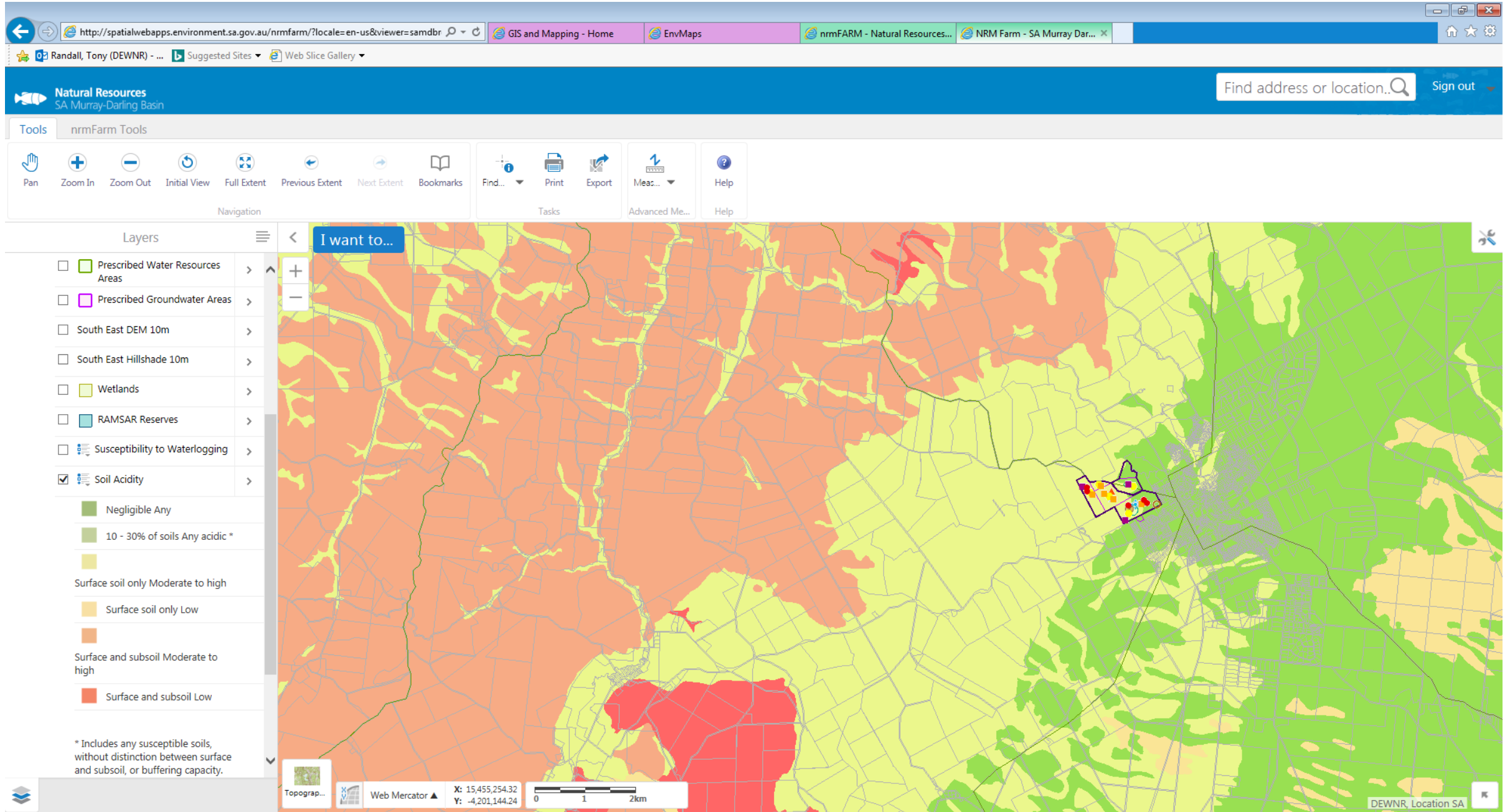
Create Clear Cancel

Imagery Web Mercator X: 15,457,666.28 Y: -4,198,867.45 0 100 200m



The screenshot displays the nrmFARM web application interface. At the top, there's a browser address bar and a navigation bar with the 'Natural Resources SA Murray-Darling Basin' logo. Below this is a 'Tools' section with various icons for search, feature creation, editing, reporting, and data management. A 'Fertiliser Information' form is open on the left, containing fields for supplier, fertilizer name, percentage, date applied, application method, rate, operator, comments, and year. A red arrow points from the 'Create' button in this form to a red circle on the map. The map shows a rural landscape with a purple polygon outlining a specific area. Inside this polygon, there are several colored markers (red, yellow, blue). A red circle highlights one of these markers. The bottom of the screen shows a scale bar and coordinate information.

Context layers land attributes



Usability

- The program is suitable for farms and rural properties of all sizes.
- Training can be easily organised and run with a group or individually
- A user guide is available in the help section of nrmFARM or from Tony Randall
- Requires broadband internet connection
- Easy to use and fun to play around with
- Contact Tony Randall or Mark May for assistance if required.



Access to nrmFARM

- To access nrmFARM go to the Natural Resources SAMDB website.

<http://www.naturalresources.sa.gov.au/samurraydarlingbasin/land/digital-tools/nrm-farm>

- If you are a first time user of nrmFARM you will need to create a user login and password first.
- Contact Tony Randall on 0427 834 396 or 8532 9101 or email tony.randall2@sa.gov.au for assistance if required or to report a fault.
- Group training sessions (5 to 10 participants) can be arranged for your local area.



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Thank you for your time today



16/06/2016