MAPPING THE REGION

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What we have Mapped





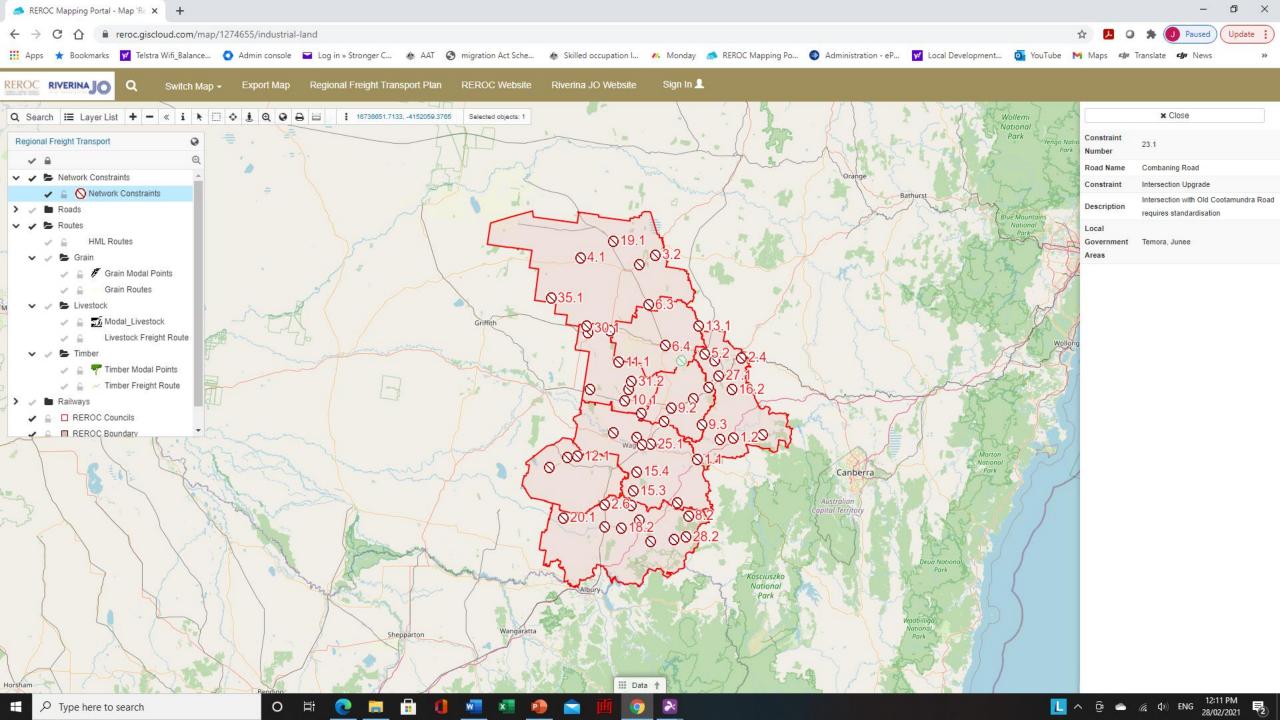


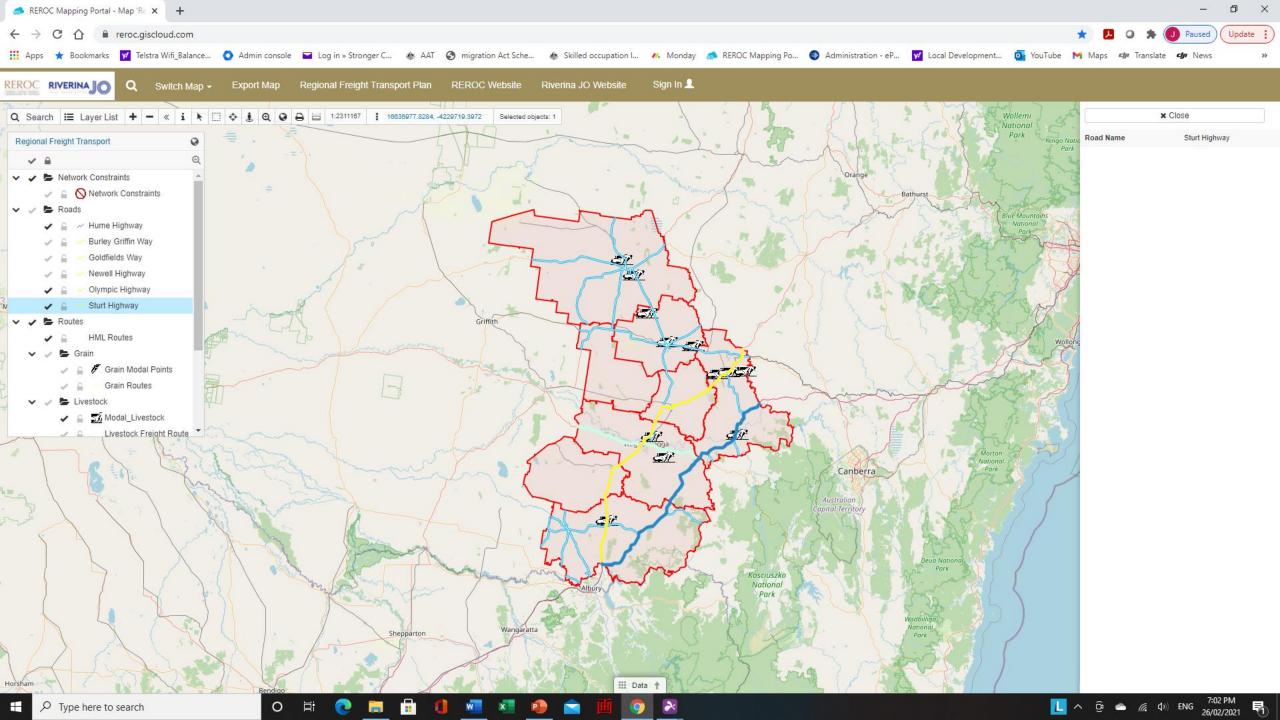
We have mapped the Region using giscloud, we pay an annual subscription

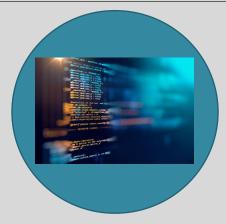


Regional Freight Transport Plan

- Why? councils wanted to know the impacts on their roads of increased freight movements, particularly grain.
- Plan is delivered as a hard copy report and interactive mapping
- Covers 38 State, Regional and Local Roads that have an economic significance in the region. The roads were identified by the REROC Engineers
- o Identifies any constraints which inhibit the efficient and effective movement of freight.
- Each road is profiled what it carries, the LGA it traverses, a prose description of the problems (in the hard copy) a short description on the mapping.
- Modal points are identified
- Industry routes are identified
- HML and Road Train routes
- Operating and non-operating rail is identified. Rail issues are discussed.
- The mapping is made up of 21 layers based on spreadsheets compiled by the participating councils.
- Updated every 2 years.
- Councils use the information to support funding applications e.g. Fixing Country Roads

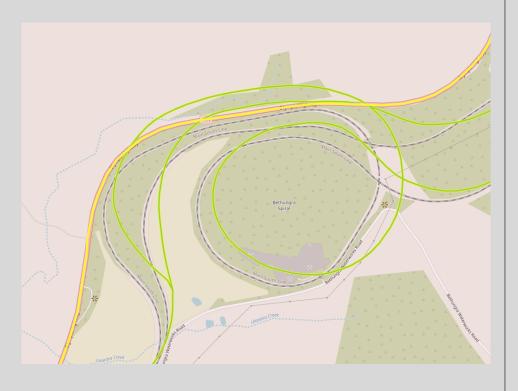






Technical Issues

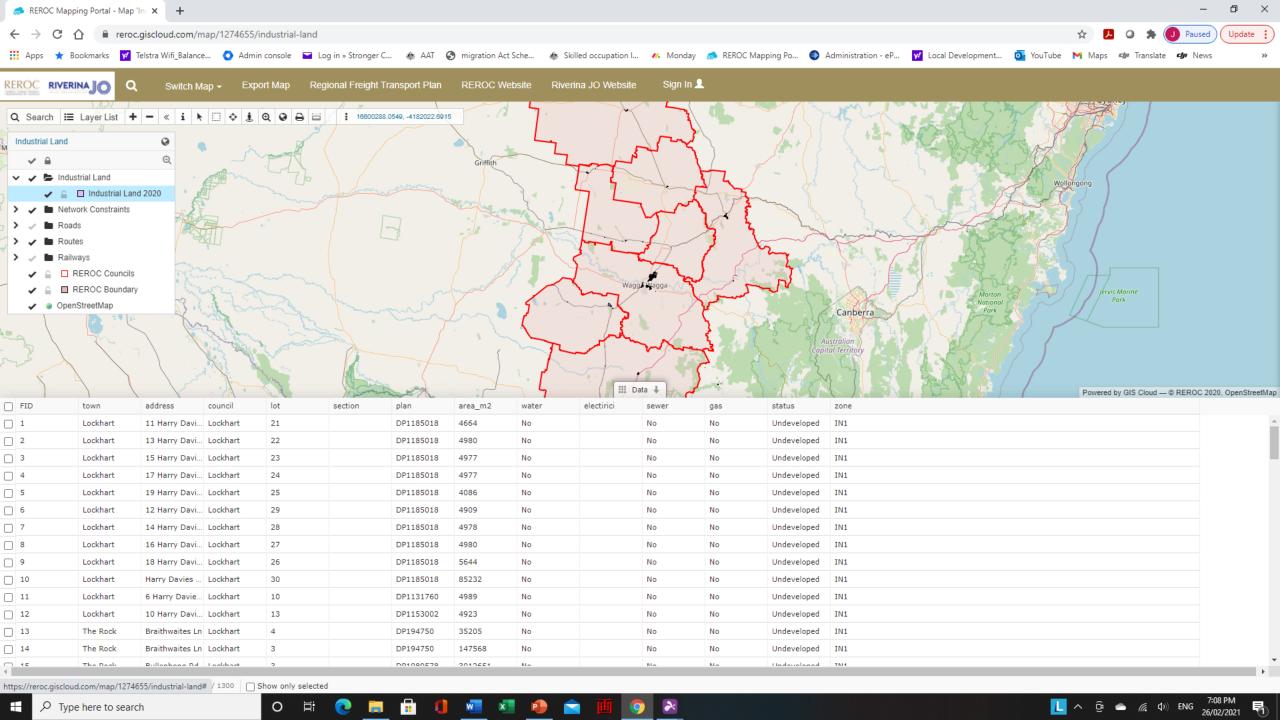
- Obtaining data from various departments and accuracy of data.
 - Major Roads obtained from RMS (High Accuracy)
 - Local Roads from each Council (used for production of Maps for document but left off Cloud for simplicity)
 - Routes (HML) using our own road layers to create the route based on data from the NHVR Portal, the issue here is there is so many different combinations of vehicles that we only concentrated on HML 19m Vehicles
 - Railways (obtained from John Holland) (Low Accuracy) can not align when zooming right into areas, regionally is ok for our mapping
 - Railways Inland Rail (No Map Layer that I could source)
 - Used Existing John Holland layer and digitised the Project Maps from ARTC
- All mapping complied in QGIS and uploaded to GISCloud
 - GISCloud added QGIS Link to streamline the process but could never get the results we wanted

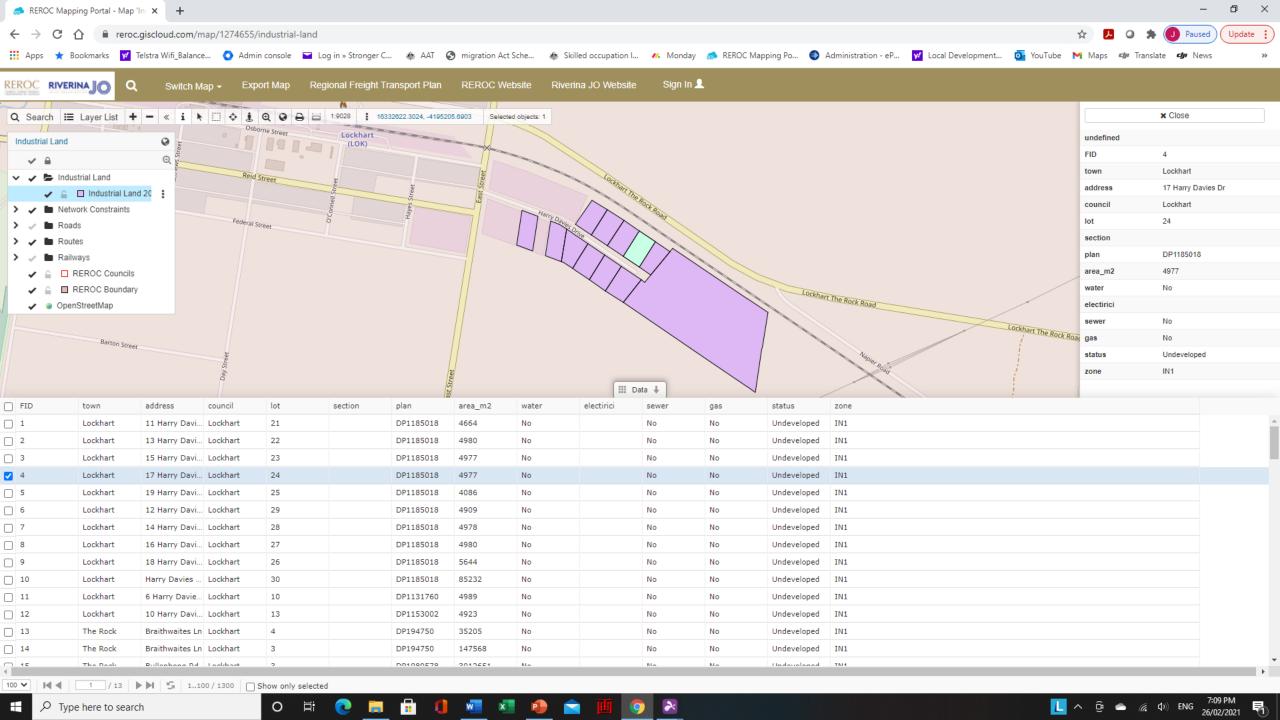


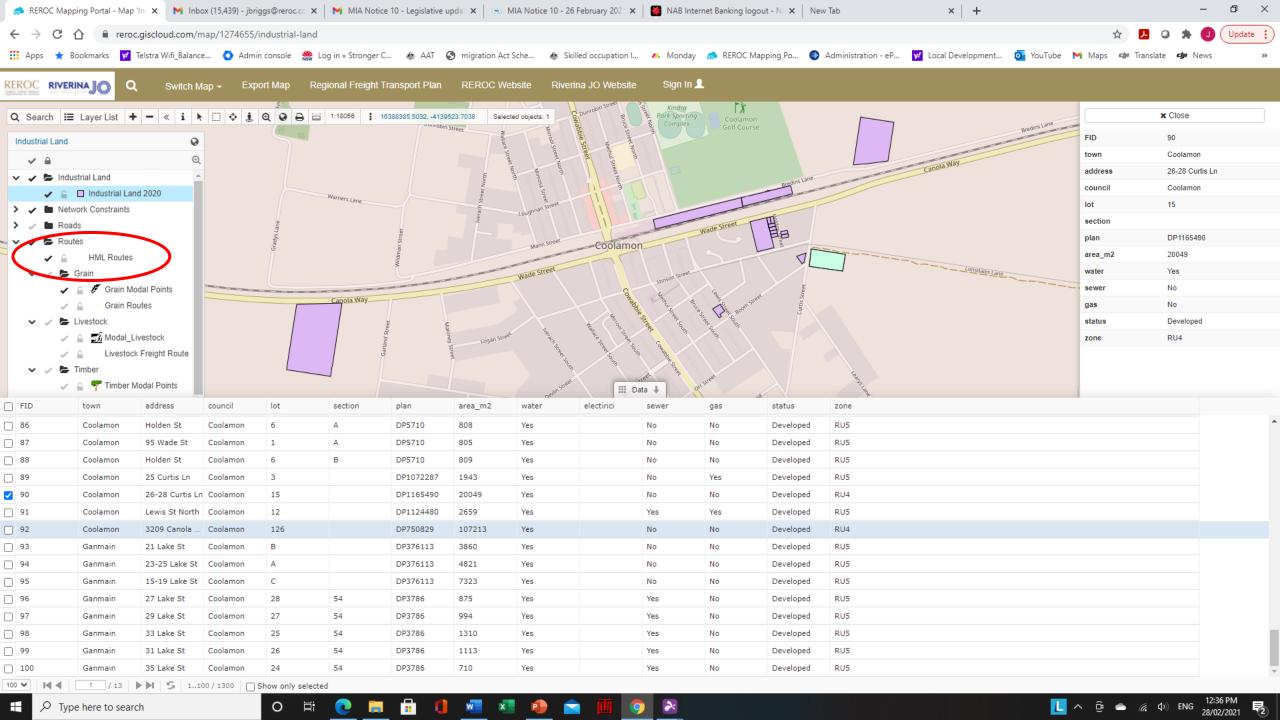


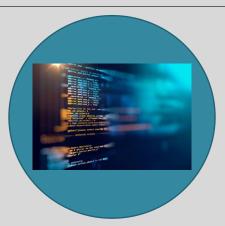
Industrial Land Mapping

- Why? The Department of Regional NSW asked better and more centralised information on the availability of industrial land
- REROC Planners identified the land that was zoned in their LGA as industrial use.
- Also identified are the features of the land:
 - Lot and DP
 - Size
 - Power Connection
 - Gas
 - Sewer
 - Developed or Undeveloped
 - Zone
- Ability to turn the Freight Transport Layer on to see if the land is connected to HML route or close to a rail hub.
- Currently being updated



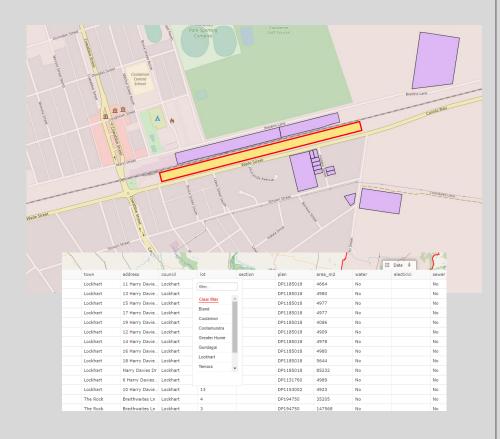


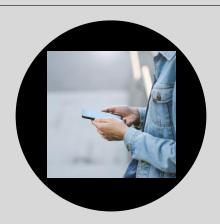




Technical Issues

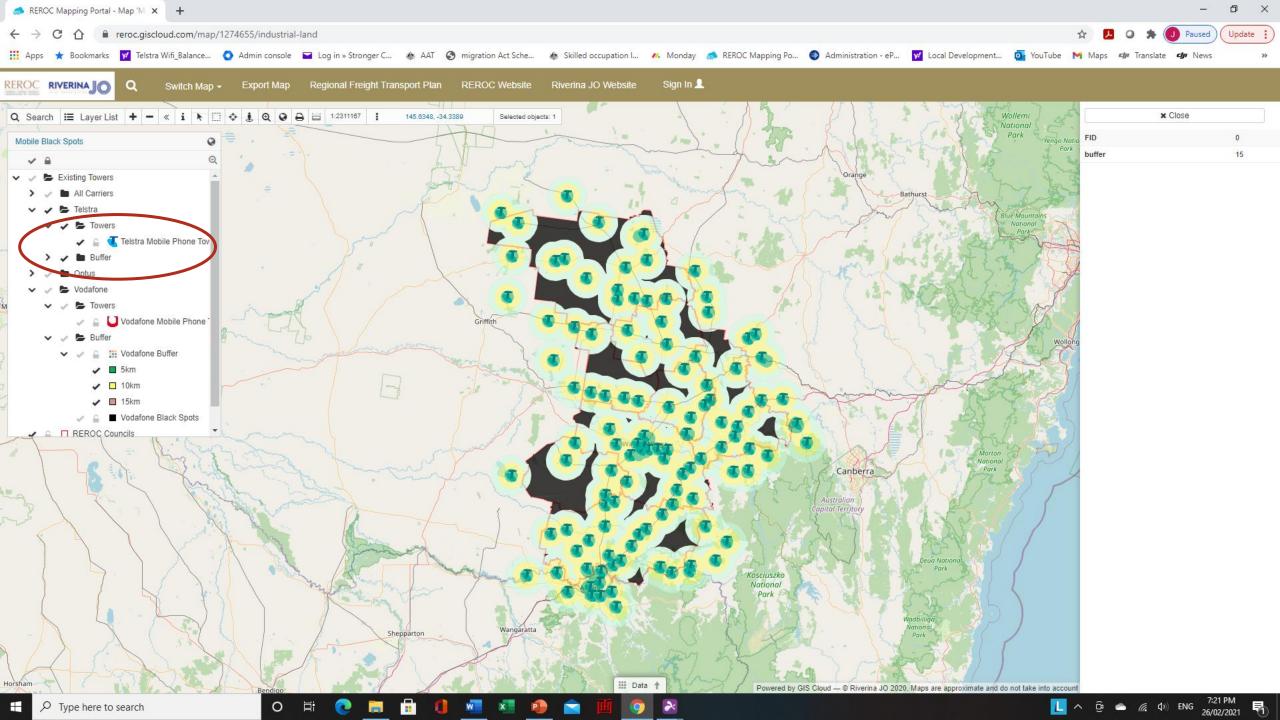
- Same map layers used from Freight transport the only extra layer is the Cadastre supplied from Land and Property, data had to be clipped to only show Industrial Lots
- Information about services for each has to be provided by each council.
- Ability to filter the data in GISCloud is only available to Admin not the end user, there is currently 1300 lots and can only show 200 max records per page, still trying to work out a way around this issue
- Lot Boundaries and Zones constantly changing (new industrial zone in Coolamon)

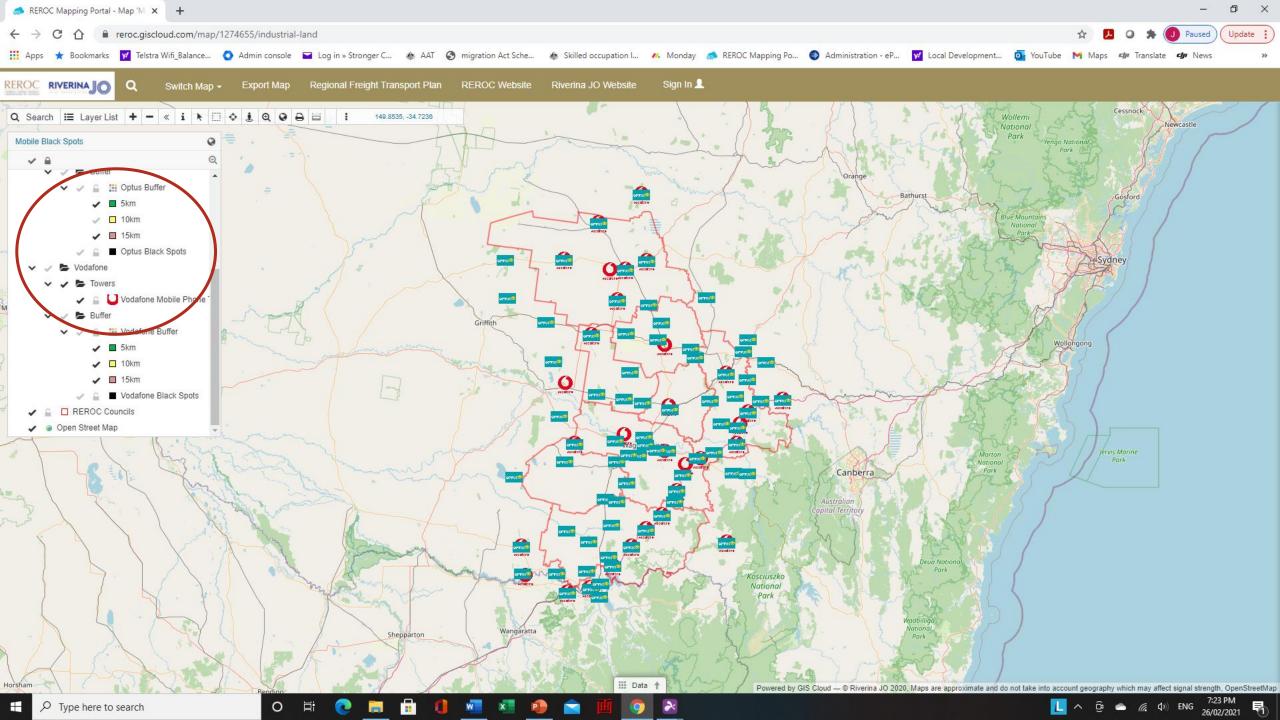




Mobile Phone Black Spots

- Why? Concern Member Councils had about mobile phone reception in the Region
- We use the information to lobby for improved services and have provided the maps in hardcopy to the Minister for Communications
- Maps from the three major mobile phone providers were sourced to create individual maps and then overlays
- Additional information was provided by councils on sites where there were Black Spots in their LGAs that they knew of.
- Updated every couple of years

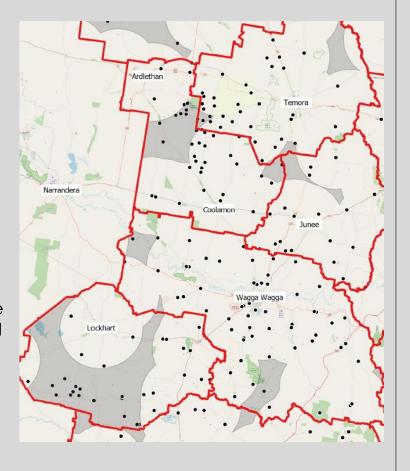






Technical Issues

- Difficulty in obtaining Coverage areas from service providers they will direct you to their website maps which aren't clear and would need to be digitised, too many services to map all (3G, 4G and 5G now)
- Towers sourced from the Radio Frequency National Site Archive (no list to import, just a long search and create point process), each tower shows provider on tower & service (250 towers in REROC)
- Getting black spot data from each council was difficult, some would map as lines along roads, some as dots and some from other sources. Some councils also did community surveys but with limited responses made it difficult to show the picture
- Created a map based on buffer from towers only, as we weren't interested in local areas but more regional benefits, from research anything 0-10km was considered good coverage and even up to 15km, so we were looking at areas beyond that. It is purely a mathematical planning tool and doesn't take into account factors such as terrain or other constraints
- Consumer Reported Black Spots (sourced from Federal Government) reliability of data from the Consumer, there is about 30 consumers who said Wagga Marketplace is a black spot and the same number for south of Lockhart





Benefits



- A picture tells a thousand words and maps tell more than that!
- Strong lobbying tool
- Information consolidated in a single place
- Informs councillors and politicians
- Supports economic development
- Provides tangible evidence of what is happening in the Region

