



Editorial -

It's been a damp and cooler start to spring, but the garden has really relished it from all the magical colours as we drive through the streets of Adelaide.

We have enjoyed being involved with a number of Infrastructure projects around metropolitan Adelaide and across the State. New road projects in connection with the Angle Vale Super School, the Victor Harbor Rd duplication early investigations, new intersections for the Riverland area, new schools and upgrades, and new property developments.

Our highlights for this newsletter include, sharing some of our experiences at the T-Ports Facility at Lucky Bay on the Eyre Peninsula. Helping our clients understand surveying terminology a little better, and some great photos.

Thank you for your continued support this year. Enjoy these longer daylight hours and the warmth of the coming months as our State and the country opens up once again.

Ed - Michael



IT'S A LUCKY DAY ... BAY

Michael Grear Surveys has been proud to be involved with the recently completed grain handling port at Lucky Bay. Our involvement (Since late 2018) has been with the construction phase of the new silos and grain handling infrastructure.

One of our Surveying Team, James, has been the main surveyor providing his expertise with the set-out support to the different phases of the port construction.

From the T Ports Website:

- *Lucky Bay is an innovative port development on South Australia's Eyre Peninsula.*
- *The \$130 million development is South Australia's first farmer and private equity partnership port, which involved securing private investor equity and debt.*
- *Lucky Bay now offers an alternative grain storage and export option.*
- *The development would not have been possible without the support of 120 growers who expressed interest in delivering grain to Lucky Bay and Lock.*

Features

- *Steel silos with approximately 24,000 tonnes of storage*
- *The site features 360,000 tonnes of grain storage in 10 bunkers*
- *The state-of-the-art, transshipment vessel has a loading capacity of up to 13,800 t/day*

Quote

..... A word of encouragement during a failure is worth more than an hour of praise after success.

- Anonymous



WHAT IS A TEMPORARY BENCHMARK?

A Message From Luke

A common mark a surveyor will establish at a location is a Temporary Benchmark (TBM). This is particularly important for builders.

TBMs are designed to remove ambiguity of interpretation and form a reliable basis on which other work may proceed. More often than not, we look for a nearby Stobie pole to ensure our TBM will be accessible for as long as possible.



TBMs on a survey plan are depicted by a broad arrow. Whenever a TBM is established and a plan produced, some information regarding that TBM; a description of its location, how it can be identified, and the height of the TBM as it relates to the datum of the plan.



Michael Grear Surveys Surveyors are always willing to chat about their work and explain the meaning of various features.

Visit the *Michael Grear Surveys* website for more information and past issues of *The Survey Datum* @ www.mgsurveys.com.au

A sincere apology for not providing the, Where am I? answers from Autumn Ed.

1. Eden Hills, 2. Mannum, 3. Whyalla Harbour,
4. Silo – Lucky Bay, 5. Carrick Hill



Competition Time !

To get you into the mood for Christmas -

Some 'Bon Bon' Jokes

1. Who is Santa's favourite singer?
2. What do Santa's little helpers learn at school?
3. What carol is heard in the desert?
4. What says 'Oh-Oh-Oh'?

Send in your answers to admin@mgsurveys.com.au

We'd love to send you a prize.

Flinders Chase National Park - captured by one of our team while holidaying on Kangaroo Island – Nature rejuvenating itself after the catastrophic fires last summer.



Thanks for joining in Winter Ed Comp. Answers Below....

1. What is the name of the highest mountain in Australia?
Mount Kosciuszko
2. What is the longest river in Australia? Murray River
3. What is the largest desert in Australia?
Great Victoria Desert
4. What is the smallest state in Australia?
Tasmania

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