Simple “How To” Tips for Using Tengraph online to Find Gold Prospecting Targets

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http://www.gold-prospecting-wa.com/about-us.html

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Note: This e-book is optimised for viewing on a computer screen, but it is organised so you can also print it out and assemble it as a book.

Since the text is optimised for screen viewing, the type is larger than that is usual printed

This revision is dated 13/03/2017
DISCLAIMER

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Information in the training has been created Based on Department of Mines and Petroleum material.

This report has been written to provide information about using TENGGRAPH Online and linking it with other information in a way that you can obtain useful data to help you when you are prospecting for gold.

It is provided free with the understanding that the author and publisher are not engaged in rendering Geological services or are in any way involved in the TENGGRAPH Online system which is run by the State Government of Western Australia. Here is the link to their URL

http://www.dmp.wa.gov.au

If Geological advice or other expert assistance on the Tengraph Online system is required, the services of a competent professional should be sought.

Every effort has been made to make this report as complete and accurate as possible. However, there may be mistakes in typography or content.

Also, this report contains screenshots of information based on TENGGRAPH online only up to the publishing date. Therefore, this report should be used as a guide – not as the ultimate source of Geological mapping or Tengraph Online system information.

The purpose of this report is to educate. The author and publisher does not warrant that the information contained in this report is fully complete and shall not be responsible for any errors or omissions. The author and publisher shall have neither liability nor responsibility to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by this report.

If you do not wish to be bound by the above, please return this report and do not act on any of the information contained within it.
A Message From The Authors

I know a lot about the bush and gold prospecting in WA because I live in the WA Gold fields and have lived there since 1991.

I've been prospecting and mining in WA for over 25 years. I am working an active mining lease at Mindoolah in WA.

I have prospected all over WA from the Kimberleys, down to the Southern Goldfields and I have found some good virgin gold patches in my time prospecting.

I have found hundreds of ounces of gold including one patch of nuggets of 150 ounces of gold (including the 22 1/2 oz nugget which is pictured on the home page at http://www.gold-prospecting-wa.com

Bill and I got together to produce this website to share our information with you, I hope you enjoy it......Udo

I retired in 2005 after working 43 years with the same company.

I quickly took up my great love of geology and travelling around Australia after retirement and started metal detecting for Gold throughout Western Australia.

It didn't take me long before I realised that information about gold prospecting and metal detecting was hard to come by, it was expensive and required heaps of time and research.

I spent a lot of time thinking about how I could get simple, easy to understand information about Gold prospecting, Metal Detecting and the best GOLD Prospecting locations and share that around.

Udo's vast experience and knowledge was exactly what was needed to make metal detecting simple... So Udo and I teamed up to provide information to people via our website – www.gold-prospecting-wa.com aat at our Gold Prospecting Seminars where we have trained around 600 people over the past 5 years.

May you find Heaps Of GOLD with the information provided here.

..Bill
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1.0 Start Using the Power of **TENGRAPH online** RIGHT NOW!

You can start using TENGRAPH Online right now. This “How To” guide with plenty of pictures and screenshots is designed to show you the easy way to use the system.

Don’t be afraid of TENGRAPH just because it’s computer based and it’s a live system. It is an incredible resource that you can use in many ways to help you find out about things like;

- Where you can and can’t go gold prospecting and metal detecting.
- How to access Mine and Mineral Deposit information
- The History and ownership of Mining tenements
- Complete abandoned Mine site information
- You can even download live and pending mining tenement boundaries into Google Earth.
- And, Print out High Quality PDF maps. (and graticule information but more on that later)

It is an essential resource to help you find places such as old gold fields, old gold mines and just exactly where you can go metal detecting right now, today..

……..AND for completing those “mysterious” but incredibly valuable Section 40E requests...

**ALL You Need to Know is These Three Things;**

1. How to sign up for an account.
2. How to log into TENGRAPH online.
3. How to use TENGRAPH online.

Hey, don’t fall off your chair laughing because you think that it’s too difficult.

These graphical instructions put together by Udo and I should do the trick to help you through the learning curve.

**PLEASE NOTE:**

Tengraph Online will be changing to a new system later in 2017 and we will provide training for you when that happens BUT the two systems will run in parallel for some time so make sure you get to know how to use THE CURRENT SYSTEM.


**2.0 Introduction to this Powerful Tool**

We will provide you with a few introductory paragraphs to help you understand TENGRAPH online which may also crystallise what you are trying to achieve by using it.

**2.1 Just What is TENGRAPH online?**

What just a few words to describe it's functions...

This is how the DMP Site describes it;

*TENGRAPH® displays the position of Western Australian mining tenements and petroleum titles in relation to other land information and provides an easy means of determining land available for mineral exploration. It gives a current and accurate picture of land under mining activity. TENGRAPH® also provides textual information from other departmental databases: Mineral Titles Online (Mining tenement), PETMAN (Petroleum title), WAMEX (Mining tenement open file exploration reports), MINEDEX (Mine site and mineral deposit).*

That probably not a very simple statement so lets break it down into its important components for the gold prospector or Metal detector operator;

- It displays the POSITION of WA Mining Tenements and Titles....AND
- Provides an EASY means of determining LAND AVAILABLE for mineral exploration.
- It gives a CURRENT and ACCURATE picture of land under mining activity.
- It also provides information from other databases such as Mineral Titles Online, WAMEX (Mining Tenement open file exploration reports) and MINEDEX (Mine site and Mineral Deposit information.
- It is also LIVE and UP TO DATE – Not like the tenement map you got printed out last year at Mt Magnet!!!!

So you can see just how useful and powerful this system is for you.

...and its cheap – free! The best Price!
2.2 Why should you use Tengraph Online?

Firstly you won’t break the law prospecting on land where it is not allowed.

We assume that you understand the rules relating to metal detecting and prospecting in WA. If you don’t you can link to our website at http://gold-prospecting-wa.com or go direct to the following links;

Visit Department of Mines and Petroleum at one of their offices to obtain the required pamphlets.... or download them online from these links;

Basic Provisions

AND

Miners Rights

You will find out where current gold prospecting (and other prospecting) activity is going on.

When you want to apply for Section 40E agreements you will be able to research Exploration Tenements and print out graticule sheets for your application.

You will be able to obtain historical information about old gold mines, abandoned gold mines, gold fields and old mining towns.

You will be able to get exact GPS points for your target areas and tenements and use them with your GPS equipment.

You will be able to print out high quality PDF Maps of your target gold prospecting areas

You can link pending or approved tenements to Google Earth in your target gold prospecting area and print them out to take with you to the field.

You won’t have to rely on the Department of Mines and Petroleum hours of business because TENGRAPH Online never sleeps.

These incredible Advantages of using TENGRAH Online far outweigh the small investment in time you need to learn how to use it.

OK First things first....
3.0 Sign Up For Your FREE TENGRAPH Online Account.

3.1 - STEP ONE - Go to the Department of Mines and Petroleum TENGRAPH Online Page.

Print this document out and follow the steps....

Go to the specific page in the Department of Mines and Petroleum (From now on I will use the DMP abbreviation) Here is the link;

3.11 If Lost - Go to the Department of Mines and Petroleum Home Page (just google DMP WA!) Click on Tengraph “Online”

3.12 Click on Online systems and down the page on the Right “Access Tengraph” Online
3.13 Left Click on the “Register” or “Sign In” if you have already got a Tengraph Online Account
3.2 - Step 2 – IF you need to Register an Account - Complete the TENGRAPH Access Sheet and Personal Information

3.3 - Step 3 - Thankyou Screen and Emails from DMP Confirming Signup

After you have finalised the signup and personal data screen:

- You will get a thank you screen from DMP and 3 emails
- The first email With Your Account Number and Password. and
- Saying your confirmation of approval for access to Tengraph online will be confirmed
- The second and the third emails approving access to Mineral Titles Online and approving access to Tengraph online.
Please note that this Register Screen may have changed – I could not start a new account. However you will get a screen like it and then some emails from DMP with your Login Details and one you must click to validate your request.

Registration Completed?? Great... let’s log into the ENGINE ROOM of Tengraph and find out where we can go to find GOLD...
4.0 Registration Completed? - Let's Log In and Use TENGRAFP Online

Before we Log In to Tengraph Online Enquiry Screen The First Time There are a Few Steps to Finalise

This section is about those steps such as;

- How to Log into Tengraph Online the first time after you have registered for an account and it's been approved. See step 3.1 the access to Tengraph Online is the same in all cases.

- The Steps you need to go through to get into the Tengraph Online ENQUIRY screen for the first time.
- The Citrix Client is necessary to run Tengraph Online
- How to use some of the Help Screens and Resources provided in Tengraph Online

If you already know this stuff just disregard this chapter and go on to the next Chapter

#5 Enquiries you can make to help you find Available and Prospective Ground to Prospect for GOLD

4.1. First lets look at the Internet link that you can always go to to Find Tengraph Online

Here it is;

Save it to your favourites – Remember Udo and I assume you know how to do these Internet Explorer computer tasks such as “Save To Favourites”.

Copyright © 2017 – W O'Connor and U Kaschner – All Rights Reserved  V52.0March2017 http://www.gold-prospecting-wa.com/
We will show you all the screens needed to get into Tengraph online the first time on the assumption that you don’t know how to do that.

If you DO know how to log into Tengraph Online but the Enquiry screen is a mystery, then just go straight to the next Section...

#5 Enquiries you can make to help you find Available and Prospective Ground to Prospect for GOLD

When you are familiar with the TENGGRAPH Online site you will simply open the site at http://www.dmp.wa.gov.au/Tengraph_online.aspx if that is saved in your favourites and log in.

4.2. Let’s have a look at The LOGIN Screen

After you click “Access to TENGGRAPH Online”

You will get this screen;

Just Enter your;

USERNAME AND
Using TENGRAPH Online - A Simple Graphical Guide

1. Access the Tengraph Page
2. Enter your username and password as described earlier
3. Click Login
4. Click “Tengraph Online” Icon in the Applications Box and the following box will come up as the Tengraph online system opens.

**The same applies if you use Firefox as your Browser**

To get into the next screen shown at 4.3...

This then should open the Tengraph Online System using Citrix Client.
Now you are in the Telegraph Enquiry Screen
4.3 The Citrix Program is Essential to Run Tengraph on line

The Citrix client is essential to run Tengraph online for our Computer and it must be downloaded to your PC first if you haven’t done so here is some instructions. If Tengraph Online won’t open then it is likely that Citrix has not been downloaded to your Computer yet.

Here is the page that you can download the Citrix Client software

It is on the Tengraph Online Page where you find the link

Problems running Citrix with Windows 7 or Internet Explorer?

In the past I have had a lot of problems running the Citrix Client with Windows 7 and Internet Explorer so I use the Firefox browser, since I have started using that I have never had another problem – the process is largely automated.

If you are having problems and would prefer to use Internet Explorer then here is a link to Dept. of Mines that might help. It appears that Internet Explorer does not associate the program with the Citrix plugin.

If you want the Firefox browser you can download it for free at Mozilla Firefox Website.

4.4 This is How You Change your User Details or Password

Login in in the usual way to Access Tengraph Online Page on DMP http://www.dmp.wa.gov.au/Tengraph_online.aspx and sign in

Then click below and your account details will come up and you can change your details


After you click that link the following page should come up
Change your Details as Required

4.5 Viewing Instruction Videos About TENGRAPH Online from DMP

DMP have navigation to videos and help much easier instruction videos that are played via Vimeo so it is less complicated to view them on line now.

So Now You're in the Tengraph Screen and the Magic Of TENGRAFH Online is Available to you.
5.0 Enquiries You Can Make to help you find Available and Prospective Ground to Prospect for GOLD

5.1 The Tengraph Online Help Files

TENGRAPH Online Has Extensive Help Files Located Online here


To get you started using Tengraph Online we will provide some common tasks in the following training in a “how to” picture style so you can start your exploration of the system straight away.

5.2 Print out a LEGEND document so you can quickly refer to any symbols that you don’t understand.

Here is the Link TENGRAPH Online Legend Document to the Online legend document that lists all the symbols and features information. That legend document is available on the menu items on the right hand side of the page listed above.

You need to know what the symbols are on the Enquiry Screen to understand and get the full benefit of the system.

Spend a little time to learn how to use TENGRAPH it will pay dividends in the future.
5.3 Here is a copy of the help screen for the application window which is located Online Here;

Tengraph's Help Screen for the Enquiry Window

Don’t forget to explore these help files to find out about the things we have not covered in this document – there are some very powerful features that are not covered here.

5.4 Moving Around the Enquiry Screen in Tengraph – Without Pain
5.5 GDA94 Mining Graticules - What do You Use?

I am not going into a technical view of the differences to these two datums – Use GDA94

– Tengraph uses GDA94 MGA. This datum supersedes the AGD84 You need to use it to show the Graticule Lines on screen. (You can click both on if you wish to see the differences but the current datum is GDA94)
5.6 The Menu Selection “Enquiry” Options

There are a number of Enquiries you can make such as by Tenement, by Mapsheet, by Graticule. Latitude and longitude and so on.

5.7 Enquire by Tenement Number
The more information you request to be returned at Step 3 the longer the data will take to load – pretty much all the boxes are ticked in the default “Load Options” box just uncheck the ones you don’t need.
This enquiry is by Tenement number, if you go through the steps you can get down to some detailed information about the tenement including ownership and contacts.

5.8 Enquire About Tenement Information such as HOLDERS or Status
The Screenshot 5.8 shows how to drill right down to the Tenement owners if you want to look at specific information - very important for “Approved” leases where you must get Written permission to detect upon.

Want to Change the Tenement Number request?

5.9 Enquire by MAPSHEET
The screenshot above is how you can bring up a “Map Sheet” and Map for an area that you are interested in,

- then from that map you can do the required drill-downs and searches by the tenements that are on your targetted ground.

Previous screenshots have shown you how to do the Enquiries to a deeper level “See 5.8 – On the previous page”

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5.10 Fly to a Latitude or Longitude in Tengraph – The Easy Way

Say you want to enquire a particular spot by Latitude and Longitude (e.g. You heard there was GOLD there!) and you want to find out what sort of free ground there is or whether you can apply for a Section 40E Permit because it’s on an approved Exploration Lease.

![Diagram showing Enquire by Latitude and Longitude](image-url)

**Enquire by Latitude and Longitude**

1. **Step 1** - Left Click “Enquiry”
2. **Step 2** - Left Click “Lat/Long”
3. **Step 3** - Highlight “Centre of Extent” button and enter your Latitude and Longitude
4. **Step 4** - Click “Apply” and then

The centre of the screen will be the point you wanted and you can complete other enquiries about tenements on that position.
5.11 Enquire Latitude and Longitude by Mouse Position

This can be handy if you see a feature on Tengraph and you want to get the Latitude and Longitude for further research purposes on to view on other maps such as Topographical or Geological Maps or even view in Google Earth.

5.12 How Do you get “Historical or Abandoned Minesite” Information
This is a very powerful tool that can show you where gold was found before and mined, an essential tool to understand where it has been found in the past which will lead you to where it can be found in the future.

Due to Your Feedback We Have Developed a new Report on “How to Find Old Goldmines in Tengraph on line”

There is now a report on our website showing (In Easy To Understand Picture Format!) the steps need to find Historical Gold (Abandoned Mines sites or Old Gold Mines) at this link

Old Gold Mines - How to EASILY Find Them Using Tengraph Online

That's a picture of Udo's Mad Dog Mandy on the front page of the report – we are trying to teach it how to sniff out gold.

Not having much luck yet though – it just wants to bark at trees..

5.13 How do you get Historical Minesites GPS Locations

You can of course get it off the Tengraph screen but this page provides a lot more information!
Pretty Interesting and valuable information that can lead you directly to places where you might find gold. It is MUCH EASIER to do this in GeoMap and GeoMap Training will be out soon

5.14 What's a graticule – You will need to know for Section 40E Requests

Here is some explanations

**graticule** - a system of lines representing meridians and parallels on a map.

**graticular grid** - a graticular grid is formed by the intersection of predetermined lines of Latitude and Longitude (graticules) at intervals approximately 1 minute of latitude by 1 minute of longitude. The size varies depending on distance from the equator, But is roughly 1600m by 1800m in graticular Blocks around Kalgoorlie,

Each Graticular block averages 310 hectares.

5.15 What’s a Section 40E permit.

This is a system that enables you to obtain a permit and prospect on Crown Land within a “Granted” or LIVE Exploration licence (Those licenses shown with an “E” before the tenement number e.g. E24/244)

This enables the Section 40E permit holder to access a nominated area on Crown Land on an already granted Exploration Licence. But there are some rules for Section 40E applications and we have outlined them with some instruction videos on our page;

www.gold-prospecting-wa.com/Section-40E-permit.html

Here is the Instruction Pamphlet link to Dept. Mines on Section 40E permits

**Section 40E Permit System Brochure**

You can nominate a maximum of 10 Graticular blocks on your application form and print out a map showing the area and Graticular Bocks nominated.
5.16 How Do You Find Graticules in Tengraph Online By MAP NAME - Using Tengraph online to print graticules for Section 40E permits

The first step is to bring up the Map Sheet you are interested in.

Bring up the Enquiry screen by selecting “Enquiry” and “Map Sheet”
The Second step is to select the particular Map sheet you are interested in and bring up Tenement Map to your Screen.
5.17 Create a Graticular polygon

Now you can create the Graticular polygon in the Map you have selected by first, bringing the
graticular Polygon screen up;

NOTE _ These tenements may change from what you see on your screen as they change from day to day!

Section 5.17 describes how to Create a Graticular Polygon and print that out for your Section 40E Request for a permit.
NOTE _ these tenements may change from what you see on your screen as they change from day to day!

5.18 Action to Select Polygons and Print the Graticular Polygon to use with your Section 40E Application

1. When you have the graticules screen up you can select the “LIVE” - green coloured – Exploration Tenement Graticular block to your polygon that you would like your Section 40E Permit to Cover

2. The Graticular Blocks you select will change colour and also change the Plan Name and Graticular Sections in the section Graticular Polygon Construct pop up.

3. The Final Step is to Click “Apply” and the following “Print Graticules to PDF” screen will come up and you then click Print which will trigger a process where the PDF Link will be sent to your email address for printing and attaching to your Section 40E Application form.

1 Select your Graticules

2. Select “Print Description” Box
3. Name your Print PDF Reference

An email will be sent to you with the link to a form on the DMP website which provides the list of graticules number form you need to attach to your Section 40E application form.

**TIP** ....name the print form something that is meaningful such as the Exploration lease number and location this makes it easier to remember what it is for if you are a applying for a few Section 40e applications.

**TIP**... I suggest you click (i) and obtain the information about the leaseholder name and address details otherwise you will need to get it later by going back into Ten-
Using TENGRAPH Online - A Simple Graphical Guide

graph. It is not provided on the printout of the Graticular blocks that you get from the Department Mines.

Simple Eh? Section 5.19 will explain where you can obtain the Section 40E application forms

**Link to Video Training on How to Apply for a Section 40E Permit to Metal Detect on Granted Exploration Leases**

How to apply for a Section 40E Permit Video Training

**5.19 Links to DMP website for the Section 40E Permit “Access to Prospect on Crown Land Within and Exploration Licence” explanatory pamphlet and form.**

This permit system can give you access to a lot of land locked up in approved exploration leases so it very well worth learning about it and knowing the correct way to do it

Here is the [Link for Information about the Section 40E Permit on DMP Website](http://www.gold-prospecting-wa.com/graph)

Here is the link to a PDF - Form Application for Section 40E Permit [Application for a Section 40E Permit](http://www.gold-prospecting-wa.com/graph)

**5.20 Want to View Your Tengraph Information in Google Earth?**

Instructions how to show a GPS point you highlight on Tengraph and then display in Google Earth Maps.

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NOTE - These tenements may change from what you see on your screen as they change from day to day!

The first series of steps is to select an area in Tengraph Enquiry Screen where you would like to view a point in Google Earth.

**Viewing a GPS Point in Google Earth**

Then view the point in Google Earth

Now you can see the point you have selected in Google Earth and you can move around the Google Earth screen and scroll in and Out to have a look at the topography and roads – whatever you are interested in around the point.
5.21 Another View of Powerful Way to Use Tengraph and Google Earth to View a Tenement

(1) Select a tenement then click

(2) “File”

(3) Click “Google Earth Link”

(4) left click “Display” in the google Earth Box that pops up

When the tenement is in Google Earth then you can play around with it and maybe analyse it in more depth based on the local topography
5.22 If You Don’t Know How to Use Google Earth – Then Subscribe to our Free Newsletter So You get all Our Free Training

The main topic we have focussed on in this document is how to sign up, log into and Use TENGRAPH Online.

We have not developed full instructions for using Google Earth in this document but we will create another “How To” do that on the website in the near future.

It's assumed in this training you know how to use Google Earth and have an account - if you do not know how to do this then our next free training document will show you how to use Google Earth to find spots to prospect for gold.

Please make sure you sign up to the Gold Prospecting E-Newsletter to ensure that you miss none of the free information and tips on Gold Prospecting in WA that we will be developing.

You can do that here on the homepage of Gold-Prospecting-WA.com. Use the Sign up Form on the right hand side or bottom of the screen.

OR send an email to me;

E.g. bill@gold-prospecting-wa.com
5.23 Printing Out Important Stuff From Tengraph Online

Some instructions on printing out maps were explained at 5.11 and 5.12 about creating a graticular polygon and printing it out.

Here is how you print things on your screen through Tengraph Online.

First you need to select a map or tenement or whatever you want to bring up on the Enquiry Screen to print then follow the steps above.

Then you will receive an email like this one and you need to click on the “here” link which will take you to the PDF for printing on your own PC.


6.0 Conclusion and Further Reading

Udo and I hope this has helped you if you are a new user of TENGGRAPH Online. This is an Updated Guide printed March 2017.

Tengraph Online will be changing to a new system later in 2017 and we will provide training for you when that happens BUT the two systems will run in parallel for some time so make sure you get to know how to use it.

It's a fantastic and powerful system that you can use to help you in your endeavours to find gold – legally!

Please utilise the help files in the Tengraph System and explore it to make sure you get the best use out of this powerful tool and contact the Department of Mines and Petroleum if you have any issues with the system – They are a wonderfully helpful group of people.


Here is the link ….

www.gold-prospecting-wa.com

We have almost completed a site on Geomap Training in WA so stay tuned for that as well.

Hope to see you out there in wonderful WA sometime this year.