

Just GIS me the Free Stuff

Part of the Sunday Morning Session

PLACE 2013 – SkyCity Auckland

8:45 to 9:45 AM

This list has been collated based on a series of web searches over a few nights specifically for participants of PLACE 2013. If you have useful recommendations for additions, please email: duwilkins@doc.govt.nz

Maori GIS Interests

Te Kahui Manu Hokai

A collation of free GIS sites, software and data of general interest.
http://www.tekahuimanuhokai.org.nz/resources



Maori Maps

Te Potiki National Trust collects the information for Māori Maps from public sources, with mapping and photos going only to the marae gateway unless permitted by the community concerned.
http://tereo.maorimaps.com/



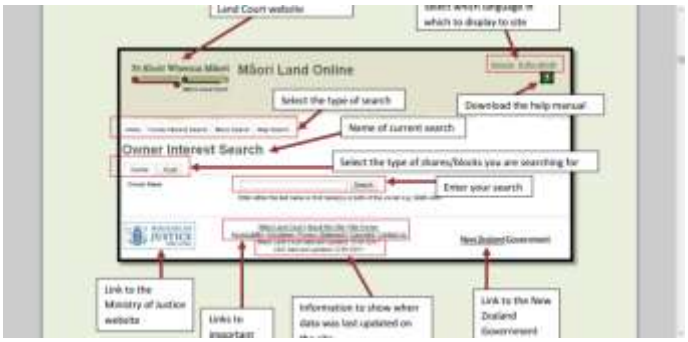
ArchSite

The ArchSite website is part of an ongoing project to make archaeological information available online.
http://www.archsite.org.nz/



Maori Land Court

Maori Land Online GIS System guide.
http://www.maorilandonline.govt.nz/gis/home.htm



Maori Symbology

Free Symbology for Maori contexts.

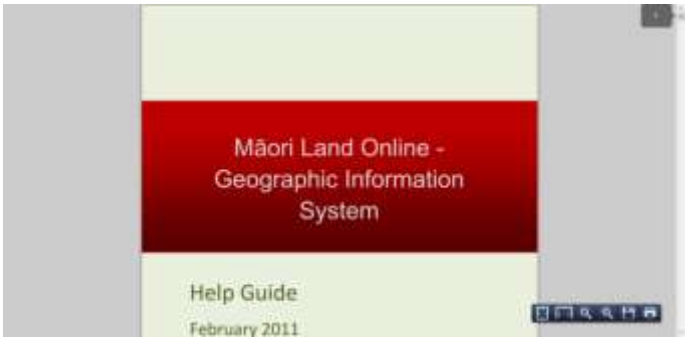
http://www.tekahuimanuhokai.org.nz/resources/symbology



Maori Land Online

A help guide for Maori Land Online

http://www.justice.govt.nz/courts/maori-land-court/documents/publications/gis/help_en.pdf



Free GIS Books

MapAction - Field Guide to Mapping

Learn about all kinds of practical field mapping like GPS, data management and collection.

http://www.mapaction.org/images/stories/publicdocs/mapaction%20field%20guide%20to%20humanitarian%20mapping%20first%20edn%20low-res.pdf



Sustainable Land Development Complete Book!

Land Administration for Sustainable Development examines global land administration systems and outlines basic principles applicable to all countries. This book shows how to help ensure social equality, economic growth, and environmental protection through holistic land management

http://www.esri.com/landing-pages/industries/land-administration/e-book?sthash.l74pPRzE.O531YERd.mjjo&goback=.gde_3731775_member_244210541#sthash.l74pPRzE.4lxnAnCg.dpbs



Esri Best Practice Book – Tribal GIS

Downloadable PDF for offline reading.

http://www.esri.com/library/bestpractices/tribal-gis.pdf



Esri Best Practice E-Book Collection

A collection of mostly user based stories compiled into a series of themed and free downloadable PDF books.

http://www.esri.com/esri-news/publications/ebooks



New Zealand GIS Data

Department of Conservation

Access all of the Departments publicly available GIS Data, download, view online, and read about support we provide.

http://www.doc.govt.nz/about-doc/role/maps-and-geospatial-services/

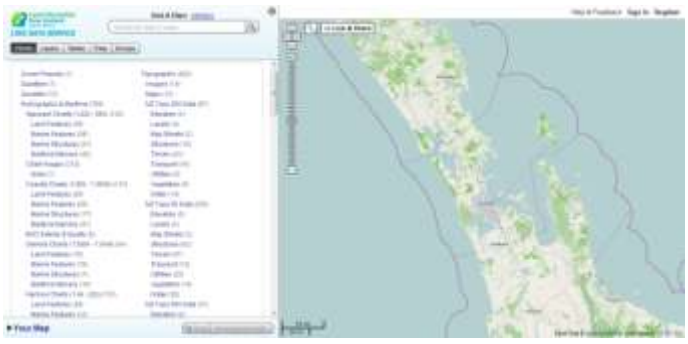
Http://maps.doc.govt.nz



LINZ Data Service

Download all available data from LINZ.

http://data.linz.govt.nz/



LINZ Topo Map Sheets

Download copies of the Topo Map Sheets as Geo-PDF for use in GIS Software.

http://www.linz.govt.nz/topography/topo-maps/map-chooser/index.aspx?xPos=2711&yPos=1234&scale=1&extent=XXXX-XXXX&250sheetId=5



Geographx

The files and datasets listed may be freely downloaded and used with our compliments.
http://geographx.co.nz/what-we-do/map-data/downloads/



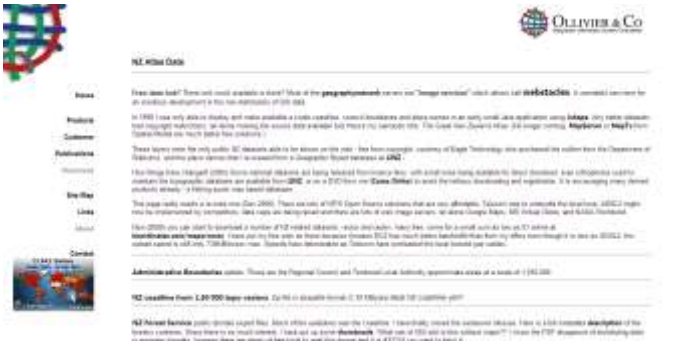
Koordinates.com

Koordinates allows you to search, sort, bookmark and share geographic data sets. Download in the format, projection and area you need, connect with web services using industry standard services or developer friendly APIs, or explore data within the browser. Koordinates aims to release the power of geographic data to all users.
http://koordinates.com/



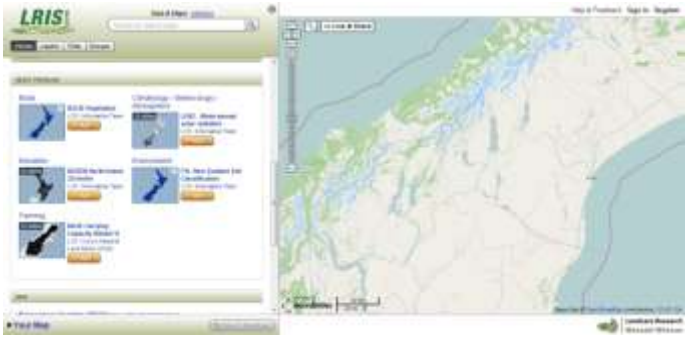
Ollivier and Co

These layers were the only public NZ datasets able to be shown on the web - free from copyright.
http://www.ollivier.co.nz/atlas/atlasdata.html



Land Research Care – LRIS

The LRIS portal is the first element of scinfo.org.nz, a new repository of authoritative New Zealand science datasets and information.
http://lris.scinfo.org.nz/



Walking Access Commission

Mapping information showing the locations of publicly accessible land across New Zealand has been released for general use.
http://www.walkingaccess.govt.nz/latest-news/show/public-land-information-data-feed-available/193/



Thames Coromandel District Council

If you want to find things such as our cemeteries, libraries, liquor ban areas and our dog exercise areas, you've come to the right place! You'll be able to find it all in GIS.
http://www.tcdc.govt.nz/Our-Services/Maps-Geographical-data-GIS/

Most district councils will have a site like this.



Environment Canterbury

There is a range of activities you can complete on our website, from checking monitoring data, to using GIS maps, to submitting a land information request. In this section you will find all of our online tools.
http://ecan.govt.nz/services/online-services/gis-mapping/pages/default.aspx

Most regional councils will have a site like this.



GNS

The GeoNet Data Centre is responsible for the capture of all geophysical data streams from field instruments or third party sources, the basic processing of raw data and the maintenance of archives. It also provides GNS Science's Duty Response Team with real-time response capabilities, allowing rapid analysis of geological hazards information around the clock.
http://info.geonet.org.nz/display/appdata/Applications+and+Data



Open Street Map

OpenStreetMap is a free worldwide map, created by people like you.
The data is free to download and use under its open license. Create a user account to improve the map.
http://www.openstreetmap.org/#map=15/-36.8504/174.7654



New Zealand Government Data

data.govt.nz is a directory of publicly-available, non-personal New Zealand government held datasets. This site does not host data, instead it links to datasets held on other government websites.
https://data.govt.nz/



NIWA Quantum Map

A free, open source, desktop mapping tool based on the popular Quantum GIS application. It is simpler for new users to learn as it has had some GIS functionality hidden or removed to be less confusing. It also has a custom plugin added to provide easy access to NIWA map data over the internet.
http://www.niwa.co.nz/software/quantum-map



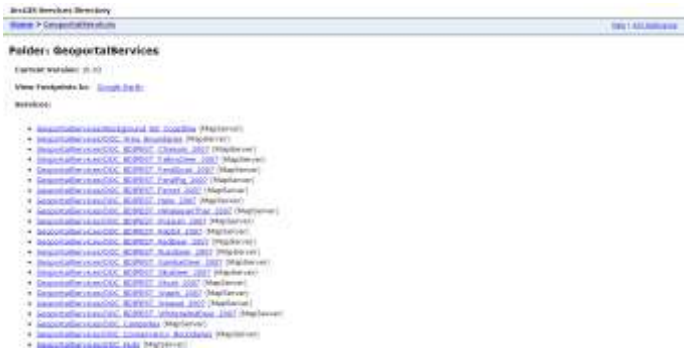
Discover the Outdoors

Need a break from all this GIS stuff and looking for something to do for FREE?
Check out all these cool things to do, like where you can go hunting, camping, free nature stuff.
http://maps.doc.govt.nz/Viewer/Index.html?viewer=rwa



DOC GIS Data GeoPortal

Add all of DOC's public GIS data directly into ArcMap, ArcGIS.com, Google Earth, qgis and other mapping apps without downloading so your maps will always use the latest data.
http://geoportal.doc.govt.nz/ArcGIS/rest/services/GeoportalServices



Free GIS Training

Penn State University

Free online GIS Training from the World's leading GIS online training University.
https://courseware.e-education.psu.edu/courses/geog585/content/home.html



Coursera Massive Open Online Course

Learn how advances in geospatial technology and analytical methods have changed how we do everything, and discover how to make maps and analyze geographic patterns.
Will I get a Statement of Accomplishment after completing this class from Penn State? Why Yes!
https://www.coursera.org/course/maps



Free Esri GIS Stuff

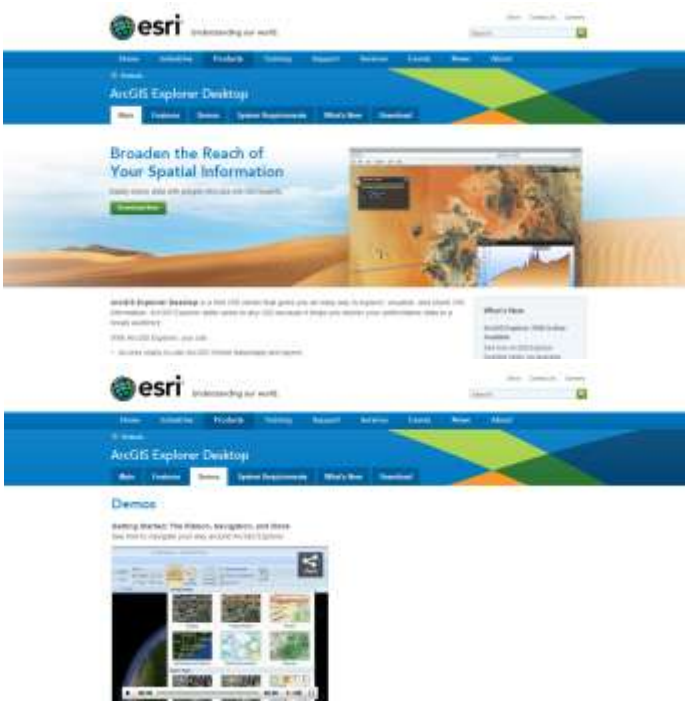
Esri ArcGIS Explorer Desktop

ArcGIS Explorer Desktop is a free GIS viewer that gives you an easy way to explore, visualize, and share GIS information. ArcGIS Explorer adds value to any GIS because it helps you deliver your authoritative data to a broad audience.

With ArcGIS Explorer, you can

- Access ready-to-use ArcGIS Online basemaps and layers.
- Fuse your local data with map services to create custom maps.
- Add photos, reports, videos, and other information to your maps.
- Perform spatial analysis (e.g., visibility, modeling, proximity search).

http://www.esri.com/software/arcgis/explorer/features



ArcGIS Explorer Online

With ArcGIS Explorer Online, you can easily explore, visualize, and share GIS information. Use it to directly access base maps and other content. You can even use it to create an interactive slideshow.

http://www.arcgis.com/explorer/



NZ Esri User Group Page Resources

Our own local Esri User Group pages, events and activities and discussion boards on New Zealand GIS stuff. Mostly free, but not all unless you are a member of the NZ Esri User Group.

http://www.gisuser.org.nz/resources/resources2



Esri Mapping Center

Mapping Centre helps make great maps with ArcGIS. They do this by introducing you to the same concepts and techniques that professional cartographers use.

http://mappingcenter.esri.com/index.cfm?fa=maps.gateway



Esri Video Channels

View the latest training materials, seminars and presentations from User Conferences and Events.
http://video.esri.com/channels



Esri User Conference USA Plenary

Watch the 2013 User Conference plenary, listen to the latest developments directly from the people on the bleeding edge of GIS.
http://video.esri.com/series/151/2013-esri-international-user-conference-plenary



Roadmap for Small GIS Projects

This whitepaper provides a roadmap for implementing small GIS projects that support conservation organizations and other NGOs engaged in citizen science projects.
http://www.conservationgis.org/maps/Roadmap/roadmap2010.html



Conservation Planning

"Conservation Planning" is a practical guide to tools and techniques for the twenty-first century. This site provides updated materials and additional resources to support the book and its community of users, organized by chapter and topic.
http://www.conservationgis.org/publications/ConsPlanningBook.html



Esri Conservation GIS Program

The ESRI Conservation Program is the non-profit support arm of the Environmental Systems Research Institute (ESRI). Through donations, Esri have helped to create and develop spatial analysis, computer mapping and geographic information systems (GIS) capability among thousands of non-profit organizations and individual projects of all sizes and types worldwide.
http://www.conservationgis.org/



Native/First Nations Mapping sites

ESRI Conservation Program Resources, Native/First Nations Index, Conservation. Bibliography, The Earth, ECP and CTSP grantees and other sites of interest for conservation geography, mapping and GIS.
http://www.conservationgis.org/links/nativeo.html



Esri Grants Programme

Esri offers a variety of programs to support groups and individuals working for social and environmental benefit. Esri offer free or discounted software, hardware, data, training, and services for both online and desktop use. They also sponsor many community events for nonprofits including conferences, workshops, and classes.
http://www.esri.com/grants



9 Hour ArcGIS Desktop Course

http://training.esri.com/gateway/index.cfm?fa=catalog.webCourseDetail&CourseID=1911



Esri Online Campus

Training Catalog Search Results:
110 free ArcGIS training options found.
http://training.esri.com/gateway/index.cfm?fa=search.results&cannedsearch=2



GIS DAY (20 Nov 2013)

Find out about GIS Day and join the movement in your community. Cool free GIS videos and a great excuse for a GIS fest.
http://www.gisday.com/



Esri Publications

Learn how organizations worldwide are using GIS. Discover best practices and technical solutions from users. GIS news, views, and insights.
http://www.esri.com/esri-news/publications



Esri TV

All kinds of GIS video – if you are into into reality television, you might as well watch actual reality eh? Pass the Popcorn and Pepsi.

http://www.youtube.com/watch?v=84L7zP7YQso





Free Google GIS Stuff

Google Maps Engine Lite

Google Maps Engine Lite (Beta) helps you create advanced custom maps to share with collaborators and also publish to the web. Import locations from a spread sheet, use layers to visualize different types of content, or simply draw and add places, lines, and shapes.
https://mapsengine.google.com/map/u/0/



Google Earth

Get the world's geographic information at your fingertips. Take a virtual journey to any location in the world. Explore 3D buildings, imagery, and terrain. Find cities, places and local businesses, record tours, watch the world in 3D.
http://www.google.com/earth/index.html



Google Earth Outreach Grants

Google Earth Outreach supports non-profit organisations with software grants for Enterprise versions of our mapping products. Eligible non-profits can apply for a grant of Google Earth Pro, Google Maps Engine, Google Maps API for Business and Google Maps Coordinate.
http://www.google.com/earth/outreach/grants/software/index.html



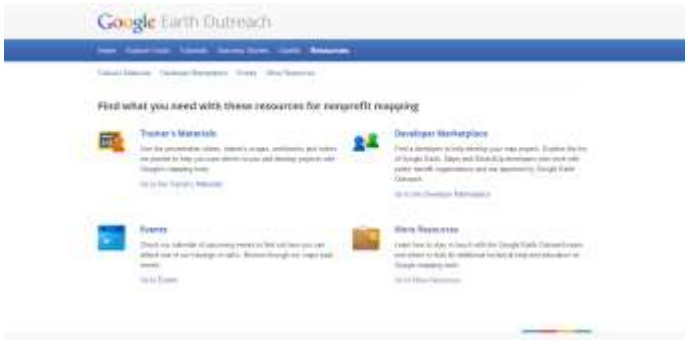
Google Earth and maps Tutorials

Kick start your map-making with Google Earth and Google Maps. Simply watch these short videos and click "View full tutorial" to start a tutorial.
http://www.google.com/earth/outreach/tutorials



Training Resources

Use the presentation slides, trainer's scripts, workbooks and videos we provide to help you train others to use and develop projects with Google's mapping tools.
http://www.google.com/intl/en/earth/outreach/resources/index.html



Open Data Kit

Open Data Kit (ODK) is a free and open-source set of tools which help organizations author, field, and manage mobile data collection solutions. ODK provides an out-of-the-box solution for users including offline.
http://opendatakit.org/



Google Earth Blog

Mickey has been using Google Earth since it was released in 2005, and has created a variety of geo-related sites including Google Earth Hacks. He runs a web design firm in Marietta, GA, where he lives with his wife and two kids.
http://www.gearthblog.com/



Google Maps Custom Symbology

Map Icons Collection is a set of more than 700 free icons to use as placemarks for your POI (Point of Interests) locations on your maps. You can use them on Google Maps with the "My places / My maps" feature or automatically by using the Google Maps API.
http://mapicons.nicolasmollet.com/



Make Cool GIS Shaped Wordclouds

Tagxedo is one of the best free word cloud generators that are often handy to use for presentations and other purposes when you can find a good picture!
http://www.tagxedo.com/app.html



Natural Resource GIS

MFE LUCAS

Mapping by the LUCAS project focuses on changes between 1990 (the reference year), as well as 2008 and 2012, which are the beginning and the end of the first commitment period of the Kyoto protocol.
http://www.mfe.govt.nz/issues/climate/lucas/mapping.html



Free GPS related

GPS Status

Displays GPS and sensor data: position and signal strength of satellites, accuracy, speed, acceleration, altitude, bearing, pitch, roll and battery state.
Visit the FAQ at: http://mobiwia.com/gpsstatus
https://play.google.com/store/apps/details?id=com.eclipsim.gpsstatus2



Ulysses Speedometer

The most advanced and intuitive Speedometer and Car Dashboard application that helps you drive safely
https://play.google.com/store/apps/details?id=com.binarytoys.speedometer



Mobile GIS

Avenza PDF Maps

PDF Maps is a mobile map application that enables you to download maps for offline use.
http://www.pdf-maps.com/



Google Maps for Mobile

Explore new places, discover local favourites and navigate your world with the one and only Google Maps.
https://play.google.com/store/apps/details?id=com.google.android.apps.maps

Dozens of Free Mapping and GIS Apps like these available from the Google Play, Apple and Windows online Stores. Google Maps just happens to be the best!



OSM Automated Navigation Directions

OsmAnd (OSM Automated Navigation Directions) is a map and navigation application with access to the free, worldwide, and high-quality **OpenStreetMap** (OSM) data. Map data can be stored on the memory card for offline use.
https://play.google.com/store/apps/details?id=net.osmand



Other GIS Resources

Ushahidi Crowdsourcing

A non-profit tech company that specializes in developing free and open source software for information collection, visualization and interactive mapping.
http://www.ushahidi.com/



Auckland University

The School of Environment's Spatial Analysis Facility provides a University focus for expertise in Geographic Information Systems, including Remote Sensing
http://www.library..ac.nz/subject-guides/geog/geog-gis.htm

Most universities with a GIS Section will have a site like this.



Open Source Geo

OSGeo was created to support the collaborative development of open source geospatial software, and promote its widespread use.
http://osgeo.org



Quantum GIS

*Quantum GIS (QGIS) is a user friendly Open Source Geographic Information System (GIS) licensed under the GNU General Public License.
http://qgis.org/

**Included to placate howling. I have tried it and would not personally use this. OpenSource comes with a cost.*



The FreeGIS Project

Free Geographic Information Systems (our web site) communication on developments, plans, infos on Free GIS Software and Free Geo-Data (our mailing list)
http://freegis.org/



OGC Open Data Standards

The Open Geospatial Consortium (OGC®) is a non-profit, international, voluntary consensus standards organization that is leading the development of standards for geospatial and location based services.
http://www.opengeospatial.org/



Bing Maps

Bing maps offers an alternative to Google Maps with birds eye perspective aerial views in some areas.
http://nz.bing.com/maps



Land Trust

Land Trust GIS is a joint project of GreenInfo Network in partnership with the Land Trust Alliance. Begun in 2004, the project emerged out of extensive involvement in land trusts and their use of GIS by all of the sponsor organizations. GreenInfo Network currently maintains the site but updating is limited by lack of available funds.
http://landtrustgis.org/



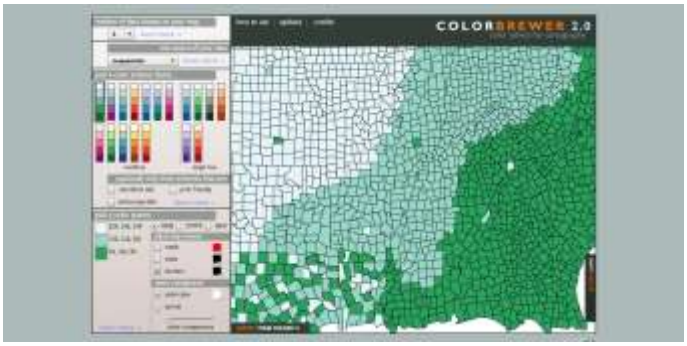
Center for Community Mapping

Connecting People,
Connecting Communities:
Empowering Public and Communities with Mapping Technology
http://www.centerforcommunitymapping.org/



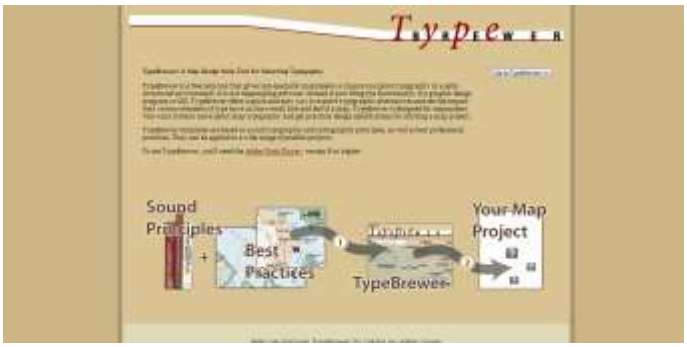
Colour Brewer

Full use of this tool will benefit your map designs because colors (even very similar colors) are easy to differentiate when they appear in a nicely ordered sequence (such as a legend). The task of differentiating the colors, however, becomes much harder when the patterns on the map are complex, such as in the lower left corner of the diagnostic map.
http://colorbrewer2.org/



Type Brewer

TypeBrewer is a free help tool that gives non-specialist mapmakers a chance to explore typography in a semi-structured environment.
http://www.typebrewer.org/



Xtools for ArcGIS

XTools Pro is a comprehensive set of useful vector spatial analysis, shape conversion, and table management tools for ArcGIS that greatly enhances ArcGIS functionality and allows ArcGIS users to get to a new level of efficiency and performance.
http://www.xtoolspro.com/



Learn More About the GIS Services and Support available from the Department of Conservation:

http://www.doc.govt.nz/about-doc/role/maps-and-geospatial-services/

