Details

RFx ID :	25807797
Tender Name :	Northland land use geospatial layer
Reference # :	22/02
Open Date :	Tuesday, 17 May 2022 4:30 PM (Pacific/Auckland UTC+12:00)
Close Date :	Monday, 13 June 2022 12:00 PM (Pacific/Auckland UTC+12:00)
Tender Type :	Request for Proposals (RFP)
Tender Coverage :	Sole Agency [?]
Categories :	- 43230000 - Software - 70131700 - Land and soil management - 77100000 - Environmental management - 81150000 - Earth science services - 81160000 - Information Technology Service Delivery
Regions:	- Northland
Exemption Reason :	None
Required Pre-qualifications :	None
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Alternate Physical Delivery Address :	
Alternate Physical Fax Number :	

Overview
We are wanting to procure a high-resolution geographical information system (GIS)-based land use layer of Northland to improve council's ability to manage the region's natural resources, e.g., through model freshwater accounting, water quality modelling, development of appropriate freshwater policies, economic assessment, and the implementation and delivery of land management services. We want a high resolution geospatial (GIS) layer of current land-use Northland that integrates other key scale information, e.g., soil and geology. We want a methodology which allows us to repeat this in the future. We also want mapping of historical land use change in Northland. The output must be able to be used in the ArcGIS Pro environment.

We are seeking two spatial resolution layers which must be supplied as a regionwide single feature dataset in a form compatible with ESRI File Geodatabase:
1. Primary land use layer – this should identify the major land use type at the primary parcel scale along with the proportion of other land uses within the parcel. This will be made available for community use.
2. Technical land use layer – this should include additional existing underlying resource information such as geology (e.g. NZLRI Land Use Capability), soil (e.g. NZFSL), climate (e.g. rainfall), and protected natural areas (e.g. PAN-NZ).

The GIS layers will be accompanied by a report that:
a) Details the methodology, including the GIS workflow, that was used to produce the layers so that it is reproducible in the future.
b) Details the quality check process used, the results and scale of uncertainty or sensitivity of the product, e.g., beyond what scale or which parameter should be treated with caution.
c) Sets out the steps for using the GIS layers and extracting the data.
d) Summarises the main findings of the data set in terms of current land use and changes over time.