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GOOD DAY TO YOU ALL.

















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STATUS OF GEODETIC INFRASTRUCTURE OR GNSS CORS NETWORK IN FIJI

GENERAL DESCRIPTION.

Short History of the development of Geodetic Infrastructure or GNSS CORS network in the country.

Its primary purpose / function / role

what has been achieved or completed to date.

What were the other drivers to establish or maintain the infrastructure? What is the need? What is the business case.



















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ORGANISATION

What organisation is responsible for the infrastructure or network in Fiji. Private versus Government agencies OR combination of both regarding building, running and maintaining the infrastructure.

Who owns the geodetic infrastructure network?

What is the data or information distribution system? What is the data policy?

If any, are there business / maintenance / operation / partnership model?



















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TYPE OF INFRASTRUCTURE, EQUIPMENT, DESCRIPTION OF A TYPICAL GNSS CORS

- Describe the country's geodetic infrastructure?
- Does it consist of ground marks, passive or active network?
- Describe a typical survey control mark or how a GNSS CORS is monumented.
- What type of equipment (receiver, antenna, software, pillars / roof mounted)?
- Manufacturer(s)? Back-up system?

















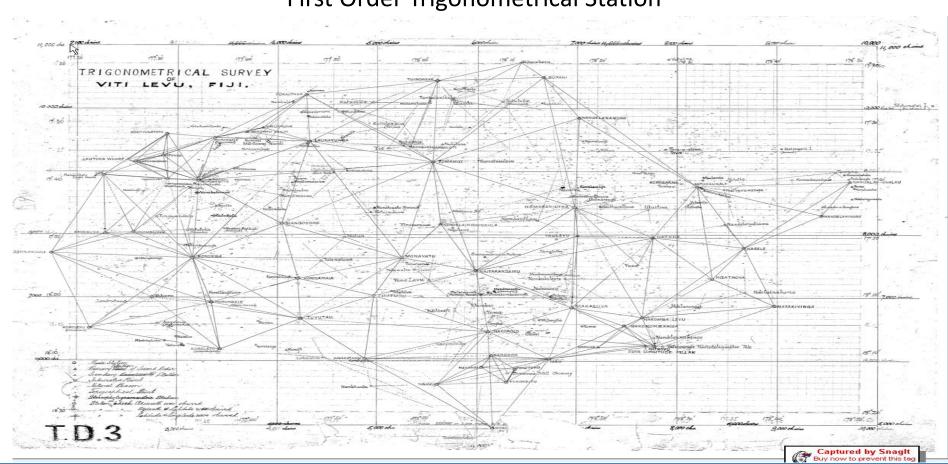


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First Order Trigonometrical Station



















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TYPE OF INFRASTRUCTURE, EQUIPMENT, DESCRIPTION OF A TYPICAL GNSS CORS

























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TYPE OF INFRASTRUCTURE, EQUIPMENT, DESCRIPTION OF A TYPICAL GNSS CORS

- Describe a typical survey control mark or how a GNSS CORS is monumented.
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Base Stations































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Namosi Mines





























































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Namosi Mines











High Res



High Res



High Res





High Res

High Res











High Res





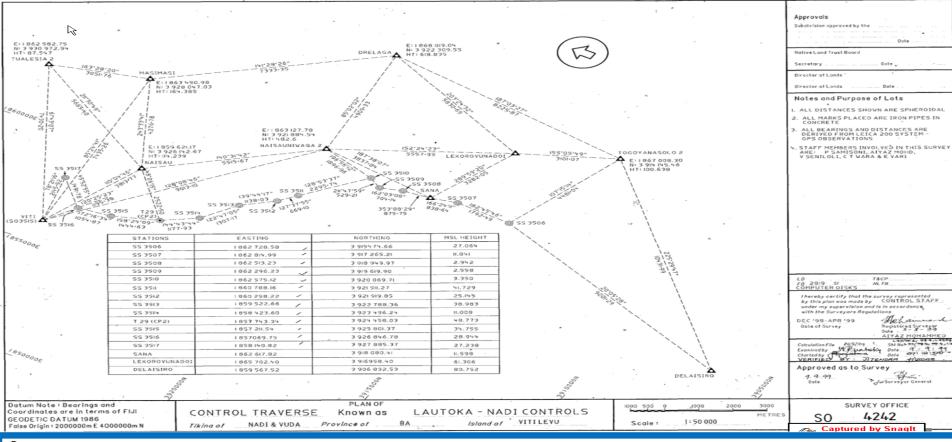


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Standard Survey Marks

















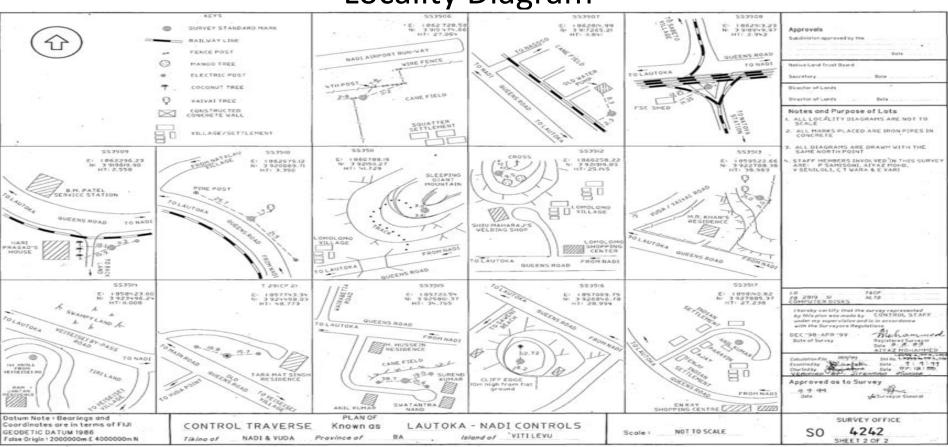


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Locality Diagram



















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Geodetic Service

- Is it used to assist with maintenance of geodetic datum both horizontal and vertical?
- Is it used to as the primary source for control surveys cadastral, control, engineering, topographic, mapping, deformation?
- Is there an on line geodetic database?
- GNSS CORS services? Real time or Post-processing? DGPS? Network-RTK? Automatic Processing Services? What are the accuracy levels? How is the correction data acquired by users by wireless, mobile phones, internet, etc network solution? Established by FKP, VRS or master-auxiliary concept?
- Services based on GPS only versus GPS/GLONASS / multi GNSS















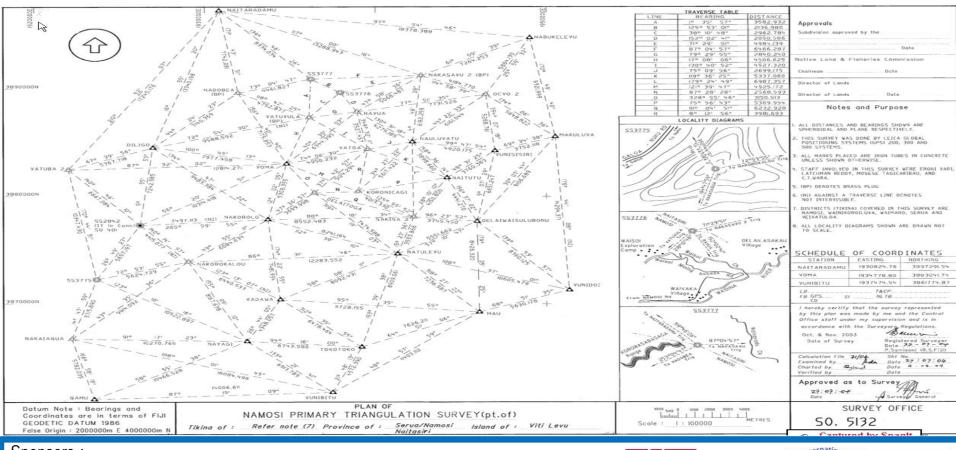


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Primary Network – Global Positioning Systems



















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- Future plans and AFREF
- What are the future plans for the geodetic infrastructure or GNSS CORS networks?
- Is involvement in AFREF a possibility?

- Contact information
- Details of the organisation or person(s) involved with the geodetic infrastructure or GNSS CORS networks















