GIS Data Layers

**1990 Forest Inventory**

Frequently-anticipated questions:

- What does this data set describe?
    1. How should this data set be cited?
    2. What geographic area does the data set cover?
    3. What does it look like?
    4. Does the data set describe conditions during a particular time period?
    5. What is the general form of this data set?
    6. How does the data set represent geographic features?
    7. How does the data set describe geographic features?
- Who produced the data set?
    1. Who are the originators of the data set?
    2. Who also contributed to the data set?
    3. To whom should users address questions about the data?
- Why was the data set created?
- How was the data set created?
    1. From what previous works were the data drawn?
    2. How were the data generated, processed, and modified?
    3. What similar or related data should the user be aware of?
- How reliable are the data; what problems remain in the data set?
    1. How well have the observations been checked?
    2. How accurate are the geographic locations?
    3. How accurate are the heights or depths?
    4. Where are the gaps in the data? What is missing?
    5. How consistent are the relationships among the data, including topology?
- How can someone get a copy of the data set?
    1. Are there legal restrictions on access or use of the data?
    2. Who distributes the data?
    3. What's the catalog number I need to order this data set?
    4. What legal disclaimers am I supposed to read?
    5. How can I download or order the data?
- Who wrote the metadata?

What does this data set describe?

Title: 1990 Forest Inventory
Abstract:
Digital outline of forest stands derived from 1990 colour infrared aerial photography. Detailed information on forest species. General land cover identification of non-forest landtypes.

1. How should this data set be cited?

PEI Department of Environment, Energy & Forestry, Forests, Fish & Wil, 1990, 1990 Forest Inventory.

This is part of the following larger work.

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2. What geographic area does the data set cover?

West_Bounding_Coordinate: 65
East_Bounding_Coordinate: 61
North_Bounding_Coordinate: 47
South_Bounding_Coordinate: 45

3. What does it look like?

4. Does the data set describe conditions during a particular time period?

Calendar_Date: 1990
Currentness_Reference: 1990 Aerial Photography

5. What is the general form of this data set?

Geospatial_Data_Presentation_Form: vector digital data

6. How does the data set represent geographic features?

a. How are geographic features stored in the data set?

This is a Vector data set. It contains the following vector data types (SDTS terminology):

- G-polygon (117448)

b. What coordinate system is used to represent geographic features?

Planar coordinates are encoded using coordinate pair
Abscissae (x-coordinates) are specified to the nearest 0.000000
Ordinates (y-coordinates) are specified to the nearest 0.000000
Planar coordinates are specified in meters

The horizontal datum used is North American Datum of 1983 (CSRS).
The ellipsoid used is Geodetic Reference System 80.
The semi-major axis of the ellipsoid used is 6378137.000000.
The flattening of the ellipsoid used is 1/298.257222.

7. How does the data set describe geographic features?

1990 Forest Inventory

FID
    Internal feature number. (Source: ESRI)

    Sequential unique whole numbers that are automatically generated.

Shape
    Feature geometry. (Source: ESRI)

    Coordinates defining the features.

LANDTYPE
    General Land Type (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

KEY
    Stand Number (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

MAP
    Map Number (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

STAND
    Stand Number (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

COUNTY
    Provincial County

DISTRICT
Forest District (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

AREA
Area in Hectares

GROUP
Plant Community group as defined by D. Sobey

SPEC1
Land cover or dominant species code (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

PER1
Percentage of Forest Species 1 in Polygon

SPEC2
Second most dominant species code (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

PER2
Percentage of Forest Species 2 in Polygon

SPEC3
Third most dominant species code (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

PER3
Percentage of Forest Species 3 in Polygon

SPEC4
>Fourth most dominant species code (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

PER4
>Percentage of Forest Species 4 in Polygon

SPEC5
>Fifth most dominant species code (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

PER5
>Percentage of Forest Species 5 in Polygon

HEIGHT
>Height in Metres

CROWN
>Alpha code for Crown Closure (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

ORG_HIST
>Origin or history of the polygon (Source: www.gov.pe.ca/gis/1990ForestInventoryCodes)

DI
>Defoliation of treed polygons in 25% classes 1= 0-25% 2-26-50% etc. (Source:
>www.gov.pe.ca/gis/1990ForestInventoryCodes)

Who produced the data set?

    1. Who are the originators of the data set? (may include formal authors, digital compilers, and editors)

          ○ PEI Department of Environment, Energy & Forestry, Forests, Fish & Wildlife Division

    2. Who also contributed to the data set?

    3. To whom should users address questions about the data?

        PEI Dept of Environment, Energy & Forestry, Forests, Fish & Wildlife Division
        c/o Mary Lynn McCourt
        GIS Supervisor
        PO Box 2000
        Charlottetown, PEI C1A 7N8
        Canada

        902 569-7598 (voice)
        902-368-4713 (FAX)
        mlmccourt@gov.pe.ca

Why was the data set created?

    Developed for the 1990 State of the Forest Report of PEI

How was the data set created?

    1. From what previous works were the data drawn?

    (source 1 of 1)

        Type_of_Source_Media: Aerial Photography
        Source_Scale_Denominator: 17 500

    2. How were the data generated, processed, and modified?

    Date: 1990 (process 1 of 5)
        Colour infrared aerial photography flown at 1:17 500

        Person who carried out this activity:

PEI Dept of Environment, Energy & Forestry
c/o Mary Lynn McCourt
GIS Supervisor
PO Box 2000
Charlottetown, PE C1A 7N8
Canada

902-3569-7598 (voice)
902-368-5661 (FAX)
mlmccourt@gov.pe.ca

(process 2 of 5)
Forest stand boundaries delineated on aerial photography photo windows.,

(process 3 of 5)
Photo interpreted for forest species / general land cover types and database created

(process 4 of 5)
Lines transferred from photos to 17 500 scale, hardcopy base map using a light table.

(process 5 of 5)
Maps digitized in CARIS and database integrated using INGRES

3. What similar or related data should the user be aware of?

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How reliable are the data; what problems remain in the data set?

1. How well have the observations been checked?

85%

2. How accurate are the geographic locations?

1-10

3. How accurate are the heights or depths?

4. Where are the gaps in the data? What is missing?

5. How consistent are the relationships among the observations, including topology?

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How can someone get a copy of the data set?

   Are there legal restrictions on access or use of the data?

        Access_Constraints: See Digital Data Agreement
        Use_Constraints: See Digital Data Agreement

1. Who distributes the data set? (Distributor 1 of 1)

        PEI Dept of Environment, Energy & Forestry
        c/o Sandra Jamieson
        GIS Technician
        PO Box 2000
        Charlottetown, PE C1A 7N8
        Canada

        902-368-5634 (voice)
        902-368-5661 (FAX)
        sljamieson@gov.pe.ca

2. What's the catalog number I need to order this data set?

   Downloadable Data

3. What legal disclaimers am I supposed to read?

        See Digital License Agreement for GIS Data

4. How can I download or order the data?

   ○ Availability in digital form:

        Data format:          ESRI Shapefile, MapInfo MID/MIF (version ESRI ArcGIS 8.3, MapInfo Pro
                              7.0) Size: 115.433
        Network links:
        Media you can order:  CD-ROM

- Cost to order the data: free

- Special instructions:


www.gov.pe.ca/gis



5. What hardware or software do I need in order to use the data set?


GIS Mapping Software

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Who wrote the metadata?

Dates:
        Last modified: 25-Nov-2010
Metadata author:
        PEI Dept of Environment, Energy & Forestry, Forests, Fish & Wildlife Division
        c/o Mary Lynn McCourt
        GIS Supervisor
        PO Box 2000
        Charlottetown, PEI C1A 7N8
        Canada

        902-569-7598 (voice)
        902-368-5661 (FAX)
        mlmccourt@gov.pe.ca

Metadata standard:
        FGDC Content Standards for Digital Geospatial Metadata (FGDC-STD-001-1998)
Metadata extensions used:

- <http://www.esri.com/metadata/esriprof80.html>

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This information has been taken from the website:
  **GIS Data Layers**
**URL:** http://www.gov.pe.ca/gis/index.php3?number=1011270&lang=E

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