LaTeX Template

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Revision –revision– (February 17, 2023)

Abstract

This document contains LaTeX Template with Examples.

Contents

List of Figures

List of Tables

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List of Definitions and Abbreviations

- **MOA** - Municipality of Anchorage

1   Introduction

Introduction to the LaTeX Template with Examples.

2   Questions

[FIXME: None yet...]

3 Examples

Series of useful LaTeX markup. Need to break out to separate examples.tex file.

3.1 Escaping $<$ and $>$ Symbols

To get $<$ or $>$ just wrap the symbols in $ for math mode.

3.2 Enumerate

1. DNR - Alaska State Department of Natural Resources

   - HI - Historical Index, not maintained since 1982
   - LE - Land Estate, maintained by SGU
   - ME - Mineral Estate, maintaind by SGU

2. Alaska State Surveys

   - ASBLT - As-Built Survey
   - ASCS - Cadastral Survey

3.3 Comments

COMMENTS Comment — *Sean Weems, Spring 2003*
We should get the COMMENTS column searchable via the landrecords application before we do much anything else – shouldn't be too hard.

Errata: Plats spanning multiple sections
A few anomalies can be observed in the AKPLATS table. Specifically plats exist that span multiple sections. Since the table only has a single column, SCODE, that accepts a single section code, SGU (Status Graphics Unit) has handled this problem by entering multiple rows in the table, each with a different section that point to the same plat or file. Multiple section plats are indicated by setting the TCODE column to the value 37, and making an appropriate notation like *Section 24-25-26-27* in the REMARKS column.
[FIXME: Perhaps the SCODE column should accept an array of sections?]

3.4 Footnotes

See my footnote[1] generated with:

```
\footnote{\href{http://www.google.com/search?q=latex+footnotes}
{Search google for footnotes.}}
```

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[1]Search google for footnotes.

GoogleGuide — Linking to Search Results.[2]

3.5 Hyperlinks

Use \href{} to generate hyperlinks:

```
\href{http://www.google.com}{Google}}
```

Yields: Google

3.6 Simple Table Examples

Column Name	Type	Description
EQS	VARCHAR2(1)	!NULL map shows village selections
ITM_COL	VARCHAR2(1)	USGS ITM column: 1-6
ITM_ROW	VARCHAR2(1)	USGS ITM row: A-E
QMQ_ABBR_DNR	VARCHAR2(3)	Three character DNR abbreviation for the QMQ
RASTER_FILENAME	VARCHAR2(50)	Physical path to file
RASTER_PATHNAME	VARCHAR2(50)	URL path to PDF of map
SCODE	VARCHAR2(2)	Supplement map code: 1,2,3,...
COMMENTS	VARCHAR2(256)	Plat comments

Table 1: `EASEMENTS_17B` Table

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[2]GoogleGuide — Linking to Search Results.

XML element	Descripton
FNUM	US Survey file number
MERIDIAN	BLM meridian code
	12 = Copper River
	13 = Fairbanks
	28 = Seward
	44 = Kateel
	45 = Umiat
TOWNSHIP	Five character Township code
RANGE	Five character Range code
PAGE	Survey page number 1,2,3,...
FILENAME	Relative path to file in direcory

Table 2: USS XML index elements

3.7 Another Simple Table Example

Column Name	Type	Description
MTR	VARCHAR2(9)	Meridian, Township, Range, example: *C026S054E*
QMQ	VARCHAR2(3)	Quarter Million Quadrangle code, example: *DIL* (Dillingham quadrangle)

Table 3: `XREF_MTR_QMQ` Table

3.8 Verbatim

Verbatim can be used to display text verbatim. Usage:

> \begin{verbatim}
> My verbatim text here...
> \end{verbatim}

The following figure leverages verbatim for proper formatting:

```
gis/raster/
  dnr/
    map_library/
    plats/
      SP/YYYYMMDD/*.pdf              # indexed
      HI/YYYYMMDD/*.pdf              # Indexed
      ASLS/YYYYMMDD/*.pdf           # Indexed
    recorded-plats/
      YYYYMMDD/*.pdf
  blm/
    easements_17b/YYYYMMDD/*.pdf    # indexed
    mtp/YYYYMMDD/*.pdf              # non-indexed
    usrs/YYYYMMDD/*.pdf             # indexed
    usrs-notes/YYYYMMDD/*.pdf       # indexed
    uss/YYYYMMDD/*.pdf              # indexed
    uss-notes/YYYYMMDD/*.pdf        # indexed
    usms/YYYYMMDD/*.pdf             # indexed
    usms-notes/YYYYMMDD/*.pdf       # indexed
  usgs/
    drg/
      collared/
        250K/
        63K/
        25K/
        24/
      decollared/
      tools/
      missing\_data/
    dem/
    doq/
    topo/
```

Figure 1: File and Directory Structure

4 Appendix

Need content here.