

---

# L<sup>A</sup>T<sub>E</sub>X Template

Raymond E. Marcil  
marcilr@gmail.com

Revision 13 (April 13, 2013)

## Abstract

This document contains L<sup>A</sup>T<sub>E</sub>X Template with Examples.

# Contents

<b>Contents</b>	<b>2</b>
<b>List of Figures</b>	<b>3</b>
<b>List of Tables</b>	<b>3</b>
<b>1 Introduction</b>	<b>5</b>
<b>2 Questions</b>	<b>5</b>
<b>3 Examples</b>	<b>6</b>
3.1 Escaping < and > Symbols . . . . .	6
3.2 Enumerate . . . . .	6
3.3 Comments . . . . .	6
3.4 Footnotes . . . . .	6
3.5 Hyperlinks . . . . .	7
3.6 Simple Table Examples . . . . .	7
3.7 Another Simple Table Example . . . . .	8
3.8 Verbatim . . . . .	9
<b>4 Appendix</b>	<b>10</b>

List of Figures

1	File and Directory Structure . . . . .	9
---	--	---

List of Tables

1	EASEMENTS_17B Table . . . . .	7
2	USS XML index elements . . . . .	7
3	XREF_MTR_QMQ Table . . . . .	8

## List of Definitions and Abbreviations

- **MOA** - Municipality of Anchorage

# 1 Introduction

Introduction to the L<sup>A</sup>T<sub>E</sub>X Template with Examples.

# 2 Questions

[FIXME: None yet...]

## 3 Examples

Series of useful L<sup>A</sup>T<sub>E</sub>X 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, maintained 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<sup>1</sup> generated with:

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

GoogleGuide — Linking to Search Results.<sup>2</sup>

---

<sup>1</sup>[Search](#) google for footnotes.

<sup>2</sup>GoogleGuide — [Linking to Search Results](#).

### 3.5 Hyperlinks

Use `\href{}` to generate hyperlinks:

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

Yields: [Google](http://www.google.com)

### 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

XML element	Description
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 direcorey

Table 2: USS XML index elements

### 3.7 Another Simple Table Example

Column Name	Type	Description
MTR	VARCHAR2(9)	Meridian, Township, Range, example: <i>C026S054E</i>
QMQ	VARCHAR2(3)	Quarter Million Quadrangle code, example: <i>DIL</i> (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.