


Finger Diagram Fonts and Images

Flutopedia offers several resources for people who would like to write out sheet music with finger diagrams:

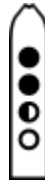


- **[SNAFT](#)** - A simple, character-based way of typing finger diagrams, such as <xx|x|ooo. This is described on the [SNAFT web page](#).
- **Finger Diagram Fonts** (this page) - A set of TrueType fonts that have high-quality finger diagrams in the place of letters. You install these on your system and use them in an application program such as Microsoft Word or Finale. Fonts are currently available for Native American Flutes (six-hole, five-hole, and Hopi flutes) as well as for the Fujara.
- **Finger Diagram Images** (this page) - A set of GIF image files with finger diagrams. These are available in various orientations (vertical, horizontal, inverted), several sizes, and with a white or transparent background. These image files are new with version 1.06.

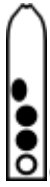
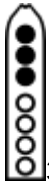

If you are just typing an email, [SNAFT](#) will probably suffice. The Finger Diagram Images are ideal for displaying finger diagrams on web pages. For serious scoring of music, especially if you expect to do a fair number of transcriptions, you probably want to invest the time to install the Finger Diagram Fonts.

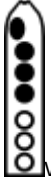
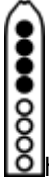

I have used the Finger Diagram Fonts to score three Mary Youngblood song books ([\[Youngblood 2003\]](#), [\[Youngblood 2003a\]](#), and [\[Youngblood 2004\]](#)) as well as all the PDF sheet music on Flutopedia. The Finger Diagram Images are used on Flutopedia web pages.

The finger diagram fonts and images generally look like this:  for six hole flutes. There are also

diagrams for five hole flutes  and Anasazi-style five hole flutes , Four hole flutes in  Mojave style,

 Yuma style, and four hole flutes with an uneven spacing , and Papago-style three hole flutes 

(without a thumb hole) and  (with a thumb hole), seven hole flutes in  3-4 configuration,  4-3

configuration, and  with a thumb hole, eight  hole flutes, and as well as the [Slovakian Fujara](#) .

Here is a reduced-size example of a page scored with these finger diagram fonts, typeset in Finale 2004:

Silent Night

Nakai Tablature

for two Native American Flutes - Upper Flute Part

Franz Gruber
arranged by Clint Goss

Andante Moderato $\text{♩} = 72$

The image displays the upper flute part of the 'Silent Night' score, arranged for two Native American flutes. It consists of four staves of music in G major (one sharp) and 6/8 time. Each staff is accompanied by Nakai Tablature finger diagrams, which are vertical rectangles containing circles representing finger positions. The first staff is labeled 'Upper Flute'. The second staff begins with a measure rest for 4 measures. The third staff begins with a measure rest for 7 measures. The fourth staff begins with a measure rest for 10 measures. The tablature diagrams show the specific fingerings for each note in the melody.

For two Native American Flutes, one major third (four half steps) apart:

Lower-Upper: C-E, C#-F, D-F#, Eb-G, E-G#, F-A, F#-Bb, G-B, G#-C, A-C#, Bb-D, B-Eb

Copyright MCMXVIII, by The University Society, Inc. Nakai Tablature notation used by permission of R. Carlos Nakai.

The fonts are in TrueType format (.TTF) and have been tested on Microsoft Windows. Use on Mac systems is not specifically supported, but people seem to have no problems with them.

These fonts are freely distributable. However, **any document (printed, electronic, or otherwise) that makes use of any of these fonts must carry the inscription:**

Finger diagrams courtesy of Clint Goss, www.NAFlTracks.com

The Fonts

Eight fonts are provided in the distribution package:

NAFTracks Six Hole

TrueType font file: **NAFTracks_SixHole.ttf**

A full set of finger diagrams for six-hole Native American Flutes, including half-hole diagrams, smaller diagrams for grace notes, and diagrams for the drone side of a double flute. This font can also be used for diatonic flutes as well as Anasazi flutes.

This font also has finger diagrams for five-hole Native American Flutes, so if you need the occasional five-hole finger diagram in a document that has primarily six-hole finger diagrams, you don't have to switch fonts.

NAFTracks Six Hole Inverted

TrueType font file: **NAFTracks_SixHoleInverted.ttf**

The same as the NAFTracks Six Hole font, with the mouth end of the flute at the bottom. I call these "inverted", although you may consider these the normal direction for finger diagrams.

NAFTracks Six Hole Thumb

TrueType font file: **NAFTracks_SixHoleThumb.ttf**

The same as the NAFTracks Six Hole font, with the top hole shown off to the side to indicate a thumb hole.

NAFTracks Seven Hole 34

TrueType font file: **NAFTracks_SevenHole_34.ttf**

Finger diagrams for seven hole flutes with groups of 3 upper fingers and 4 lower fingers.

NAFTracks Seven Hole 43

TrueType font file: **NAFTracks_SevenHole_43.ttf**

Finger diagrams for seven hole flutes with groups of 4 upper fingers and 3 lower fingers.

NAFTracks Seven Hole Thumb

TrueType font file: **NAFTracks_SevenHole_T33.ttf**

Finger diagrams for seven hole flutes with a thumb hole and two groups of 3 fingers on the front.

NAFTracks Eight Hole 44

TrueType font file: **NAFTracks_EightHole_44.ttf**

Finger diagrams for eight hole flutes with two groups of 4 fingers.

NAFTracks Five Hole

TrueType font file: **NAFTracks_FiveHole.ttf**

A full set of finger diagrams for five-hole Native American Flutes, including half-hole diagrams, smaller diagrams for grace notes, and diagrams for the drone side of a double flute.

NAFTracks Five Hole Inverted

TrueType font file: **NAFTracks_FiveHoleInverted.ttf**

The same as the NAFTracks Five Hole font, with the mouth end of the flute at the bottom.

NAFTracks Hopi Five Hole

TrueType font file: **NAFTracks_HopiFiveHole.ttf**

A full set of finger diagrams for five-hole Hopi-style flutes.

NAFTracks Mojave Four Hole

TrueType font file: **NAFTracks_MojaveFourHole.ttf**

NAFTracks Yuma Four Hole

TrueType font file: **NAFTracks_YumaFourHole.ttf**

NAFTracks Uneven Four Hole

TrueType font file: **NAFTracks_UnevenFourHole.ttf**


NAFTracks Papago Three Hole

TrueType font file: **NAFTracks_PapagoThreeHole.ttf**

A full set of finger diagrams for three-hole Papago-style and similar Pima style flutes. Even though this font is called “Three Hole”, it does have four-hole versions of the finger diagrams that show a thumb hole.

NAFTracks Recorder

TrueType font file: **NAFTracks_Recorder.ttf**

A full set of finger diagrams for Baroque / English recorders based on [\[Dolmetsch 2001\]](#) .

NAFTracks Six Hole to Diatonic

TrueType font file: **NAFTracks_SixHoleToDiatonic.ttf**

A special-purpose font that allows fast conversion from a document scored with the NAFTracks Six Hole font to be re-scored for a diatonic flute simply by swapping the underlying font for the finger diagrams.

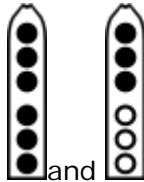
This font should probably not be used for general-purpose use - use the NAFTracks Six Hole font instead.



NAFTracks Fujara

TrueType font file: **NAFTracks_Fujara.ttf**


A font for the [Slovakian Fujara](#).

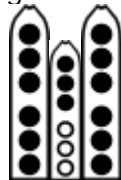
Examples of the Fonts



The fonts have full-size finger diagrams such as  and  as well as smaller diagrams to represent grace



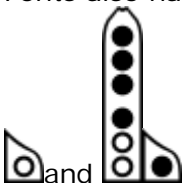
notes. Here is an example of a grace note preceding a regular note: ... A "bark" on a Native Flute



might be represented like this: 








Fonts also have diagrams to represent a drone portion of a flute, in two forms ("open" and "closed"):









There are some specialized finger diagrams in the Six Hole font to indicate overblow into the second



register  and the third register: 

Here are examples of the Five Hole font:  the Hopi Five Hole font:  the Mojave Four Hole font:  the

Yuma Four Hole font:  the Uneven Four Hole font:  and the Papago Three Hole font: 

The fujara font has finger diagrams that look like this: ... There are also diagrams to represent effects that are specific to the Slovakian fujara: a scatter before the note: ... and a woosh after the note: 

Conversion Between Fonts

The fonts for Native American Flutes are designed to let you easily convert between Six Hole and Five Hole versions of the same transcription. If you have a transcription which uses the Six Hole font, simply change the font of all the finger diagrams to Five Hole. This would be done the way you might change text from Times Roman to Arial. Then your transcription would have diagrams for five-hole Native Flutes.

The same applies to changing to a diatonic flute ... the Six Hole To Diatonic font is specifically designed for this purpose.

You can convert directly between the upright and inverted versions of the Five Hole and Six Hole fonts.

If you publish music with these finger diagrams, I encourage you to include versions with six-hole and five-hole finger diagrams, both the upright and inverted, to allow use by as many people as possible.

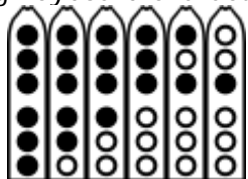
Typing the Finger Diagrams

When using these finger diagram fonts, you will typically be typing a single keyboard letter to get one finger diagram. However, the correspondence between the letters on the keyboard and the finger diagrams is not obvious.

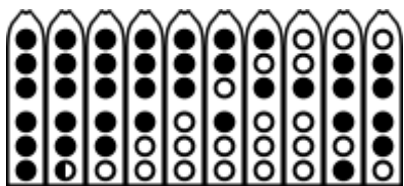
Before getting into the font keys (described below) that tell you how to get every variant of every finger diagram in each font, here's a quick primer on what to type to get the basic characters:

NAFTracks Six Hole

Typing keyboard characters 1 3 4 5 7 8 in the NAFTracks Six Hole font will get you the pentatonic minor



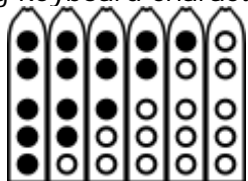
scale: Adding the additional digits will get you a more complete scale. So 1 2 3 4 5 6 7



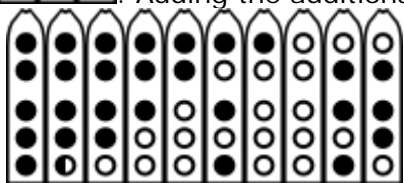
8 9 0 gives you . For even more notes, start adding the shifted versions of the digits: !, @, #, \$, %, ^, &, *, (and) . They will get you the intermediate notes between these basic notes. For more finger diagrams, including half-holed notes and grace notes, see the [Font Keys](#) section below.

NAFTracks Five Hole

Typing keyboard characters 1 3 4 5 7 8 in the NAFTracks Five Hole font will get you the pentatonic minor



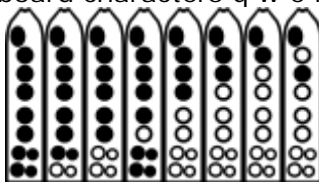
scale: . Adding the additional digits will get you a more complete scale. So 1 2 3 4 5 6 7



8 9 0 gives you . For even more notes, start adding the shifted versions of the digits: !, @, #, \$, %, ^, &, *, (and) . They will get you the intermediate notes between these basic notes. For more finger diagrams, including half-holed notes and grace notes, see the [Font Keys](#) section below.

NAFTracks Recorder

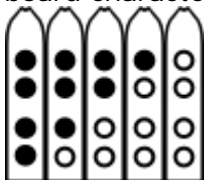
Because recorders are adept at playing the full chromatic scale, the NAFTracks Recorder font is laid out in an approximation of the piano keyboard. The keyboard characters q w e r t y u in the NAFTracks Recorder



font get you the basic (all-white-keys) sequence: . The character z begins the next higher octave. Refer to the [FingerDiagramImages.pdf](#) document for a key that shows the layout of all characters in this font.

NAFTracks Mojave Four Hole

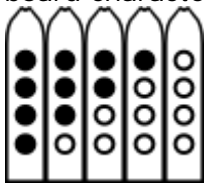
Typing keyboard characters 0 1 3 7 F in the NAFTracks Mojave Four Hole font will get you the basic



sequence: . For more finger diagrams, including half-holed notes and grace notes, see the [Font Keys](#) section below.

NAFTracks Yuma Four Hole

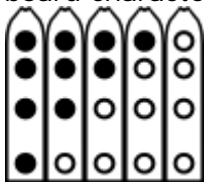
Typing keyboard characters 0 1 3 7 F in the NAFTracks Yuma Four Hole font will get you the basic



sequence: . For more finger diagrams, including half-holed notes and grace notes, see the [Font Keys](#) section below.

NAFTracks Uneven Four Hole

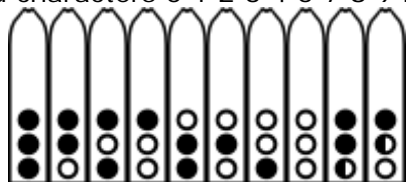
Typing keyboard characters 0 1 3 7 F in the NAFTracks Uneven Four Hole font will get you the basic



sequence: . For more finger diagrams, including half-holed notes and grace notes, see the [Font Keys](#) section below.

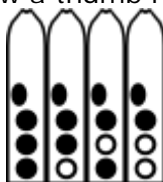
NAFTracks Papago Three Hole

Typing keyboard characters 0 1 2 3 4 5 7 8 9 in the NAFTracks Papago Three Hole font will get you the



basic sequence: .

To get the version of the finger diagrams that show a thumb hole, type the keyboard characters A B C D ...



for full-size images and a b c d ... for grace notes: ...

For more finger diagrams, including half-holed notes and grace notes, see the [Font Keys](#) section below.

Font Keys

To help you map keyboard characters to the finger diagram you want, several types of font keys are included with the distribution package. Before working with any of these fonts, it is a good idea to print out the appropriate Font Key for that font to have alongside your work for reference. At first, it might not seem like there is a coherent layout to the finger diagrams, but after you work with them for a while you will begin to see the pattern.

Pick the type of font key that best works for you:

FontDiagrams.pdf

This file contains a complete listing of all characters in all fonts. It is a PDF export from a Microsoft Excel spreadsheet.

The fonts are sorted based on their binary bit representation, which may or may not be ideal for your use. However, every single character is displayed on these sheets, so it is a complete listing.

Here is a direct link to the

[FontDiagrams.pdf](#) document.

FingerDiagramImages.pdf

Another approach to font keys. It is a PDF export from a Corel Draw file that I use to generate the finger diagram images.

This font key is probably more straightforward to use, but has less complete and less detailed information. Note that the grace notes are not shown in this font key.

Some finger diagrams in this font key are show in red. They can be used just like any other finger diagram - the red simply indicates that they are copies of other finger diagrams show earlier in that font.

Here is a direct link to the [FingerDiagramImages.pdf](#) document.

Finale Font Keys (Historical)

The PDF files in the distribution package with names like **FontKey_NAFTracks_<FontName>.pdf** were done in Finale. They show the various finger diagrams as they relate to modern music notation.

NOTE: These files are ***no longer maintained*** after version 1.05 of these fonts!! They are just too cumbersome too work with. They are still included in the distribution package, because some people find them useful, but do not have any updates starting from version 1.06 (eg. the Papago Three Hole font is not represented).

Extended Characters

In some cases, extended characters are needed for a font. If the character associated with a finger diagram in the Font Key documents says (for example) 123 or Alt+123, then here's what you do to get that character on a Windows system:

- Ensure that the **NumLock** key is engaged.
- Hold down the **ALT** key.
- On the ***numeric key pad***, press **0** (the digit zero), ***then*** the three digits shown (**1** then **2** then **3** in this example).
- Release the **ALT** key.

You should then see the desired character in your document.

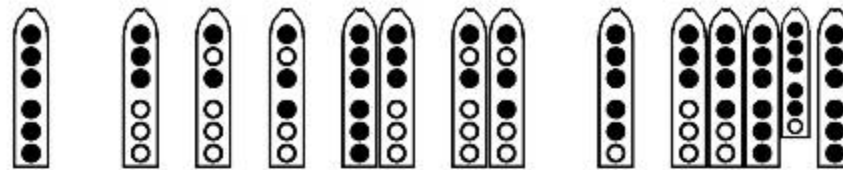
Note: If you do not have a numeric key pad on your keyboard (often absent on laptop computers), then you ***may*** be able to get the equivalent characters with some combination of function keys. Check your computer's documentation. However, I've gotten reports that some laptops do not have this functionality.

Microsoft Word

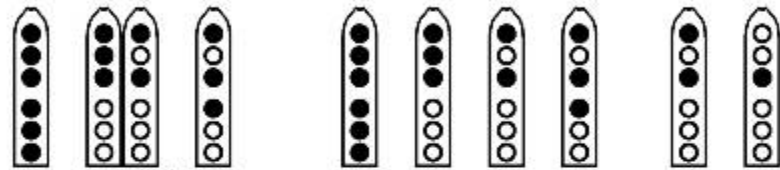
An easy way to write down your songs is to use a word processor such as Microsoft Word® and simply write out the finger diagrams to the song. You could also include lyrics if the song has them.

Here's a sample of a very straightforward transcription done by Ellie Lehota Ma'ayan:

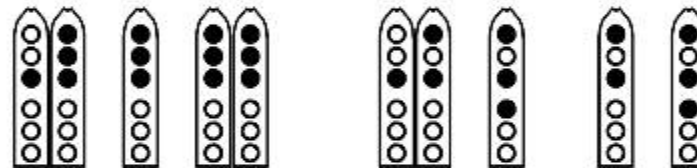
Then Came The Rain, by Ellie Barbarash/ Lehota Ma'ayan July 2007 (copyright)
For Native American six hole flute



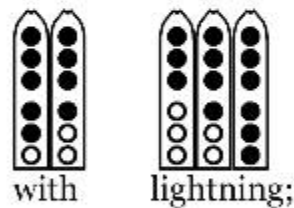
Then came the rain, the rain she came with thunder



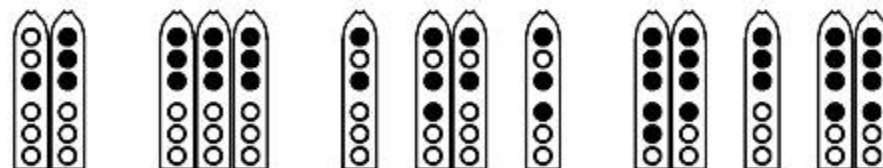
Shechinah's rain, The rain she came to me!



Grateful for the rain, cooling earth and sky



with lightning;



Grateful for the rain, my garden calls to me.

Finger diagrams courtesy of Clint Goss, [www. NAFtracks.com](http://www.NAFtracks.com)

The lines of lyrics are in a regular 16-point Georgia font, and the lines of finger diagrams are in 72-point NAFTracks Six Hole font.

If you plan on sending such a transcription to another person using Microsoft Word, you will need to embed the fonts into the document. This allows the person receiving the document to view it, even if they do not have the finger diagram fonts installed on their machine.

To embed fonts into a Microsoft Word document:

1. On the Tools menu, click Options, and then click the Save tab.
2. Select the Embed TrueType fonts check box.
3. Save the document.

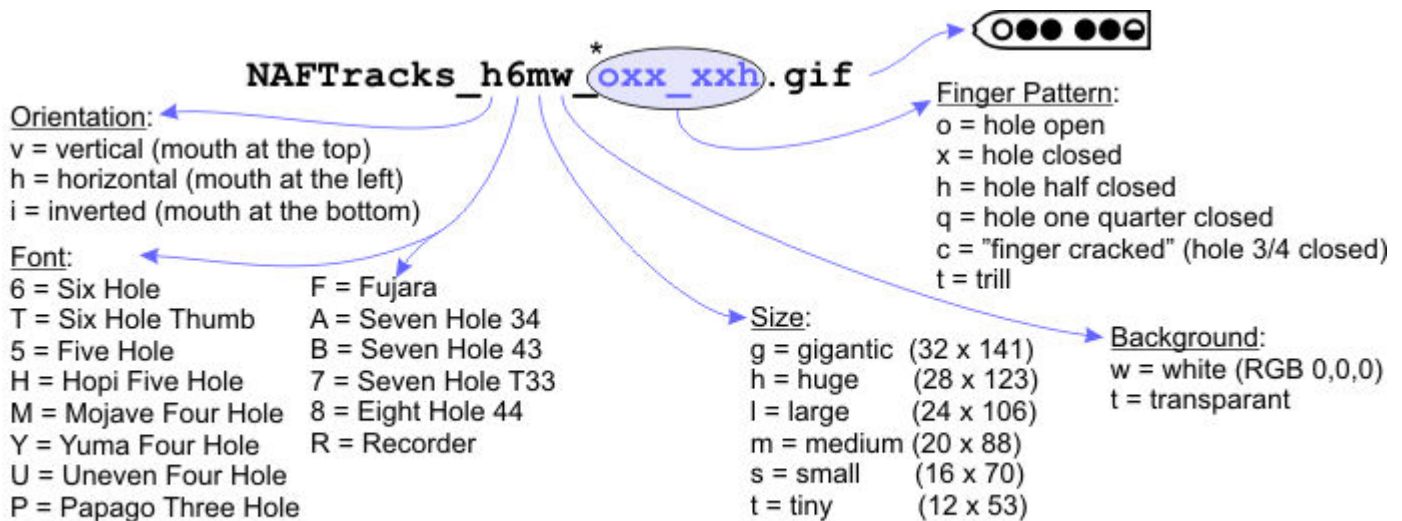
Here is the [Microsoft Word Document of Then Came The Rain](#) for you to test out on your system.

Finger Diagram Image Files

As of version 1.06 (mid-2010), the distribution package includes an extensive set of GIF format image files. Each finger diagram image is in a separate GIF file. The name of the file indicates the finger diagram. As an example:

NAFTracks_h6mw_oxx_xxh.gif = 

The **h6mw** portion of the file name tells you the orientation, font, size, and background for that image. The first character tells you the orientation, the second character the font, the third character the size, and the last character the background. Here is a key that tells the complete story:





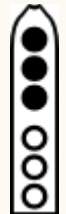
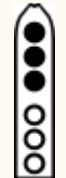
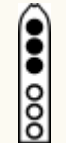
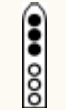
*Note: if the font diagram has a "+" overblow indicator, a "2" ("second register") precedes the finger pattern.
for finger diagrams with a "++" overblow indicator, a "3" ("third register") precedes the finger pattern.

Note the Finger Pattern portion of the file name uses almost the same conventions as [SNAFT](#), except the "|" vertical bar character is replaced with an "_" underscore.

These image files are ideal for use on web pages. However, **please** see the discussion of the [accessibility issues relating to using finger diagrams on web pages](#), in order to assist blind and limited-sight players.

Sizes

The size indicator described above (for example, the third character “**m**” above) tells you the dimensions of the finger diagram image. Each size has standard pixel dimensions that holds for most finger diagram images of that size:









Size letter	Meaning	Sample	Standard pixel dimensions		Export DPI
			Vertical	Horizontal	
g	Gigantic		32 wide × 141 high	141 wide × 32 high	196
h	Huge		28 wide × 123 high	123 wide × 28 high	170
l	Large		24 wide × 106 high	106 wide × 24 high	148
m	Medium		20 wide × 88 high	88 wide × 20 high	120
s	Small		16 wide × 70 high	70 wide × 16 high	100
t	Tiny		12 wide × 53 high	53 wide × 12 high	72










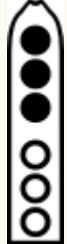
Note that a few of the image files, such as drone add-on images, will have a different size from these standard sizes.


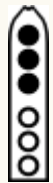

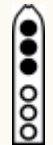
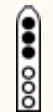

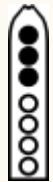
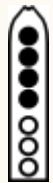
Coverage

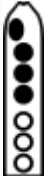







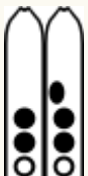
The current package includes 665 finger diagram images that cover many of the commonly-used finger patterns. In general, the grace notes that are part of the Finger Diagram Fonts are ***not*** included in the set of Finger Diagram Images.





This table provides a roster of the specific images that are currently uncluded in the distribution package:

Orientation	Font	Size	Background	Sample	File Name Leader	Images	Description
Horizontal	Six Hole	Medium	White		NAFTracks_h6m_w_	72	full font (except grace notes)
			Transparent		NAFTracks_h6m_t_	25	the hexatonic and diatonic scales
	Six Hole Thumb	Medium	White		NAFTracks_hTm_w_	28	the hexatonic and diatonic scales
	Seven Hole Thumb	Medium	White		NAFTracks_h7m_w_	10	the primary scale
	Five Hole	Medium	White		NAFTracks_h5m_w_	12	the extended scale
	Hopi Five Hole	Medium	White		NAFTracks_hHm_w_	14	the extended scale
			Transparent		NAFTracks_hHm_t_	14	the extended scale
	Mohave Four Hole	Medium	White		NAFTracks_hMm_w_	16	all finger combination except half-holing

	Yuma Four Hole		Transparent		NAFTracks_hMm t_	16	all finger combination except half-holing
			White		NAFTracks_hYm w_	5	the primary scale
		Medium	Transparent		NAFTracks_hYm t_	5	the primary scale
			White		NAFTracks_hUm w_	5	the primary scale
	Uneven Four Hole	Medium	Transparent		NAFTracks_hUm t_	5	the primary scale
			White		NAFTracks_hPm w_	11	the primary scale
	Papago Three Hole	Medium	Transparent		NAFTracks_hPm t_	11	the primary scale
			White				
Vertical	Six Hole	Gigantic	White		NAFTracks_v6g w_	10	the hexatonic and diatonic scales
		Huge	White		NAFTracks_v6h w_	10	the hexatonic and diatonic scales

		Large	White		NAFTracks_v6l w_	10	the hexatonic and diatonic scales
		Medium	White		NAFTracks_v6m w_	74	full font (except grace notes)
			Transparent		NAFTracks_v6m t_	9	the hexatonic scale
		Small	White		NAFTracks_v6s w_	10	the hexatonic and diatonic scales
		Tiny	White		NAFTracks_v6t w_	10	the hexatonic and diatonic scales
	Six Hole Thumb	Medium	White		NAFTracks_vTm w_	28	the hexatonic and diatonic scales
	Seven Hole 34	Medium	White		NAFTracks_vAm w_	16	the hexatonic and diatonic scales
	Seven Hole 43	Medium	White		NAFTracks_vBm w_	16	the hexatonic and diatonic scales

Seven Hole Thumb	Medium	White		NAFTracks_v7m w_	58	the full font
Eight Hole 44	Medium	White		NAFTracks_v8m w_	10	the hexatonic and diatonic scales
Recorder	Medium	White		NAFTracks_vRm w_	14	the chromatic scale in the first octave
Five Hole	Medium	White		NAFTracks_v5m w_	28	full font (except grace notes)
Hopi Five Hole	Medium	White		NAFTracks_vHm w_	28	full font (except grace notes)
Mojave Four Hole	Medium	White		NAFTracks_vMm w_	37	full font (except grace notes)
Yuma Four Hole	Medium	White		NAFTracks_vYm w_	37	full font (except grace notes)
Uneven Four Hole	Medium	White		NAFTracks_vUm w_	37	full font (except grace notes)
Papago Three Hole	Medium	White		NAFTracks_vPm w_	30	full font, including three-hole and four-hole

							diagrams with a thumb hole
	Fujara	Medium	White		NAFTracks_vFm w_	15	full font
Inverted	Six Hole	Medium	White		NAFTracks_i6m w_	68	full font (except grace notes)
			Transparent		NAFTracks_i6m t_	7	the hexatonic scales
	Five Hole	Medium	White		NAFTracks_i5m w_	48	full font (except grace notes)

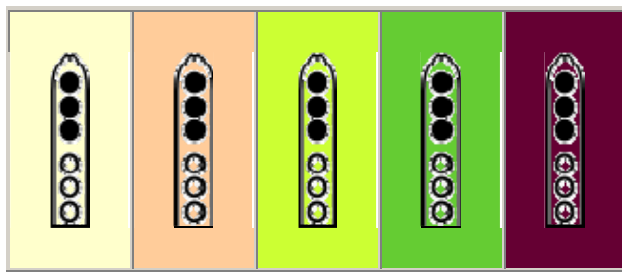
Technical Details on Font Diagram Image files

The finger diagram image files are in GIF format (Compuserve Graphics Interchange Format). They are all 8-bit, non-interlaced, greyscale images.

Note that encoding and decoding GIF format images involves use of the LZW (Lempel–Ziv–Welch) compression algorithm, which is the subject of U.S. Patent 4,464,650 as well as a massive amount of intellectual property litigation. While I am not offering authoritative legal advice, I do believe that use of these images is allowed under the license terms of the patent holder at the time these images were produced (i.e. I believe you can use them for personal non-commercial use, without paying royalties).

Using the transparent images can be tricky. They were developed against a white background, so the anti-aliasing algorithm that I use tends to fade solid black lines out to white. GIF files are designed so that a single color is designated as the transparent color, and that color is pure white. However, there are greyscale colors in the image that are not pure white, so they are not transparent. (This problem would be solved by using an image format that has an Alpha channel, which specifies a degree of transparency, but that's another story).

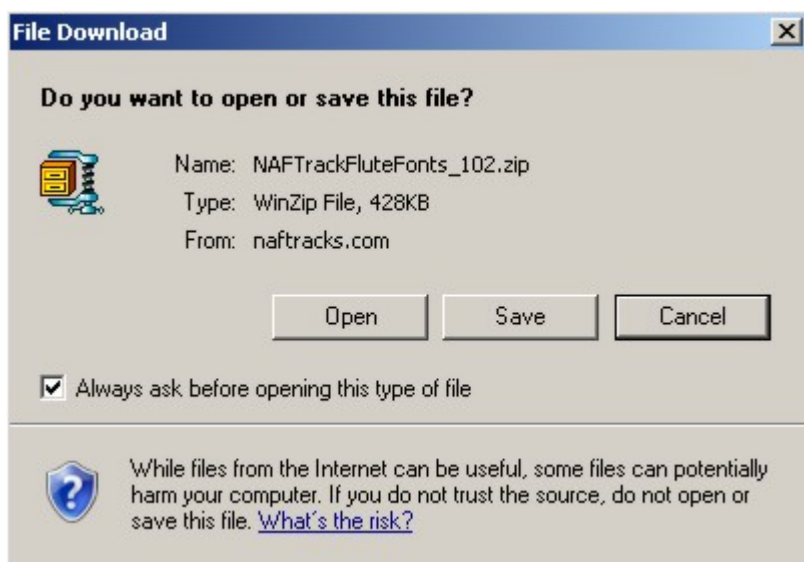
The end result is that the transparent finger diagram images work well over a very light background, such as a very light tan, and less well over darker backgrounds. What you will see is a white halo or "jaggies"; around the borders of the black parts of the image. Here are examples of a transparent finger diagram image against various backgrounds:



Download and Installation

Here is a general outline of how to access and install the fonts on Windows systems:

1. Click on the "Download the ZIP file ..." link below. You should see a dialog box similar to this:



2. Click on [Save].
3. On the "Save As", navigate to the desktop (or some other location you prefer) and save the ZIP file there.
4. Locate the file on your desktop (or other saved location) and open the ZIP file you have just saved (typically by double-clicking on it).
5. You should see a display of all the files contained within the ZIP file. You can now open any of the files from within the ZIP file or copy them from the ZIP file to other locations.
6. You generally install fonts on Windows by copying the font files (with extension .TTF) to your Fonts directory. On most windows systems this is located at C:/Windows/Fonts.
7. After installation, the NAFTracks fonts should show up in any font-list in any program that allows you to change fonts. For transcriptions in Finale, I simply set the lyrics font to be the font for the appropriate finger diagram.

Since I am not a Macintosh user, I can't offer specific directions for the Mac. However, here are two items of feedback that I have received from Mac folks:

From Gary Cope:

I have a Mac - a powerbook PPC with Leopard installed (the latest version). I have MS Office 2008 for Mac. I went into Font Book and installed the fonts and then validated them - then I opened Word 2008 and formatted the font. They showed up and they worked the way I suspect you wanted them to.

From James Bonacci:

Just tried these fonts out on a Mac (running OS 10.5). The work fine with MS Office for Mac! Mac users can use the FontBook application to install these fonts to the system after unzipping the file. FontBook does not display the fonts, but it does recognized them. Once the fonts are installed to the system, they can be used in MS Office and other Mac applications that use fonts.

Support

The fonts are distributed free of charge, but do not come with support. There are many Web resources on font installation and use on various operating systems.

Version Information

Version 1.01

Fonts developed in 2002 for production of the Mary Youngblood transcription books.

August 26, 2008 at 7AM EDT: Phone call from Roderick Zeig in Switzerland about fonts for the Fujara finally nudges me to organize the NAF and Fujara fonts for public distribution.

Version 1.02

Publicly released August 26, 2008 for general use, including 5 fonts.

Version 1.03 - August 29, 2008

Added inverted fonts for showing Six Hole and Five Hole NAF finger diagrams with the [breath hole](#) at the bottom.

Also added **NAFTracks_FontKeys_*.pdf** files which are PDF version of the Finale font keys.

Version 1.04 - September 30, 2009

Added several finger diagrams to the Six Hole, Six Hole Inverted, Five Hole, and Five Hole Inverted fonts.

Also included **FontReadMe.pdf** file which is a PDF version of this page.

Version 1.05 - October 23, 2009

Added several more finger diagrams to the Six Hole and Six Hole Inverted fonts to handle the upper register fingering of flutes by Richard Dubé of Northern Spirit Flutes (<oox|xxx).

Also added **FontDiagrams.pdf**, which is a PDF version of the my **FontDiagrams.xls** Excel Spreadsheet, showing each character location in each of the fonts.

Version 1.06 - June 24 - October 6, 2010

Major upgrade along with Flutopedia development.

Exported Finger Diagram Images to go with the font distribution package.

Added the NAFTracks Papago Three Hole font.

Added three finger diagrams to the Six Hole and Six Hole Inverted fonts (<xox|xox needed by Scott August for his Anasazi minor 6th fingering, <cxx|xxx, and <xxx|oox).

Added <cx|xxx to the Five Hole and Five Hole Inverted fonts.

Added yet another printable font key, **FontDiagramImages.pdf**, which is exported from the Corel Draw **FontDiagramImages.cdr** (used to generate the GIF files). This might be more helpful to people than the Excel or the Finale versions.

September 10, 2010

Added six-hole diagrams <qxx|xxx, <hxx|xxx, <cxx|xxx, and <xox|oxo to SixHole and SixHoleInverted.

Added five-hole diagrams <xo|oxo, <xo|oox, <cx|xxx, and <qx|xxx to FiveHole and FiveHoleInverted.

September 12, 2010

Added Mojave Four Hole, Yuma Four Hole, and Uneven Four Hole fonts.

September 15, 2010

Added diagrams with overblow indicators to SixHole and SixHoleInverted.

September 16, 2010


Added diagrams with a thumb hole to the Papago Three Hole font. So the Papago Three Hole font now has finger diagrams with four holes. Hmmm .. bad planning.

Version 1.07 - November 2, 2010




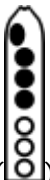
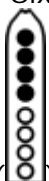
Added four finger diagrams to Five Hole fonts <xx|oox, <oo|oxo, <hx|xxh, and <ox|xxh.

Generate the full set of finger diagram images for Five Hole Inverted medium white.

Version 1.08 - December 8, 2010

Add one missing Finger Diagram Image for h6mt ()


Version 1.09 - October 8, 2011


Add Six Hole Thumb () , Seven Hole 34 () , Seven Hole 43 () , Seven Hole T33 () , and Eight Hole 44 () fonts.

Version 1.10 - October 9, 2011

Added four finger diagrams to Six Hole fonts to accomodate the new Mode 2/5 chart **<xxo | o xo**, **<xoo | o xo**, **<o xo | o xo**, and **<ooo | o xo**.

Version 1.11 - October 11, 2011

Added 10 horizontal finger diagram images for the Seven-hole T33 font, such as .

Added the NAFTracks Recorder font for Baroque / English recorders based on [\[Dolmetsch 2001\]](#) .

Download

Here is a link to a ZIP file that contains all the needed TTF font files, Font Key PDF files, and JPG image files. Please remember that ***any document (printed, electronic, or otherwise) that makes use of any of these fonts must carry the inscription:***

Finger diagrams courtesy of Clint Goss, www.NAFTracks.com

[«Download the Current Version of the ZIP File - Version 1.11»](#)

Older Versions

[ZIP File Version 1.02](#)

[ZIP File Version 1.03](#)

[ZIP File Version 1.04](#)

[ZIP File Version 1.05](#)

[ZIP File Version 1.06](#)

[ZIP File Version 1.07](#)

[ZIP File Version 1.09](#)

[ZIP File Version 1.10](#)

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Finger diagrams courtesy of Clint Goss, www.NAFTracks.com

To download the fonts, visit:

<http://www.Flutopedia.com/fonts.htm>