

The Wayback Machine - <https://web.archive.org/web/20110806052658/http://acrossdow...>

## PUZ File Format

Name	Offset	End	Len	Contents
Checksum	0x00	0x01	0x2	Little-Endian short of the overall file checksum
File Magic	0x02	0x0D	0xC	NUL-terminated string, 4143 524f 5353 2644 4f57 4e00
CIB Checksum	0x0E	0x0F	0x2	Little-Endian checksum of the puzzle's CIB
Masked Low Checksums	0x10	0x13	0x4	A set of checksums, XOR-masked against a magic string.
Masked High Checksums	0x14	0x17	0x4	A set of checksums, XOR-masked against a magic string.
Version String(?)	0x18	0x1B	0x4	NUL-terminated string, "1.2\0"
Reserved1C(?)	0x1C	0x1D	0x2	In many files, this is uninitialized memory
Unknown	0x1E	0x1F	0x2	In all files, this is set to 0x0000(?)
Reserved20(?)	0x20	0x2B	0xB	In files where Reserved1C is garbage, this is garbage too.
BIC	0x2C	0x33	0x8	I've named this range the Board Initialization Checksum region. It contains the vitals of the puzzle, and is used to initialize the overall checksum of the file.  Note that this is not a "Real" value in the file
Width	0x2C	0x2C	0x1	The width of the board as a byte
Height	0x2D	0x2D	0x1	The height of the board as a byte
# of Clues	0x2E	0x2F	0x2	Little-Endian short of the number of clues for this board
Unknown Bitmask	0x30	0x31	0x2	Little-Endian short containing a bitmask. Operations unknown.
Unknown32	0x32	0x33	0x2	Unknown short or two bytes...
				A flat string of bytes, one for each cell in the board. Rasters from the

Solution	0x34	0x34+ w×h-1	w×h	top left corner across the board, then to the second row, etc. Non-playable (ie: black) cells are denoted by '.'
Grid	0x34+ w×h	0x34+ 2(w×h)-1	w×h	<p>A flat string of bytes, one for each cell in the board. Rasters from the top left corner across the board, then to the second row, etc. Non-playable (ie: black) cells are denoted by '.'</p> <p>If a cell is empty, it gets a '-'; otherwise the player's guess is stored in the cell.</p>
Title	0x34+ 2(w×h)	??	Delimited	A NUL-terminated string containing the title of the puzzle.
Author	??	??	Delimited	A NUL-terminated string containing the author of the puzzle.
Copyright	??	??	Delimited	A NUL-terminated string, containing the copyright statement for the puzzle.
Clues	??	??	Delimited	A string #-of-clues NUL-terminated strings, one right after the other.
Notes	??	EOF	??	Exact format unknown at present. They're there. They are NUL-terminated; if the user has opened the Notes pane without entering any, you get an empty string. This looks like an extra NUL.