

Appendix 1. Preliminary Taruma orthography.

Phoneme	Main allophones	Grapheme	Example	English translation
/a/	[a]	<a>	<i>achi</i>	eye
/ã/	[ã, ãN]	<ã>	<i>karãgwa</i>	otter
/b/	[b]		<i>abara</i>	back
/d/	[d]	<d>	<i>danu</i>	tiger
/dz/	[dz]	<j>	<i>ja'ara</i>	pet
/ɸ ^w /	[ɸ ^w]	<fw>	<i>fwa</i>	fire
/g/	[g, g ^j]	<g>	<i>gomichi</i>	woman
/g ^w /	[g ^w]	<gw>	<i>gwi</i>	to dig
/h/	[h]	<h>	<i>hama</i>	I, my
/i/	[i]	<i>	<i>bikiro</i>	balata
	[j]	<y>	<i>goro</i>	slow
/ĩ/	[ĩ, iN]	<ĩ>	<i>bahĩ</i>	kill
/k/	[k, k ^h , k ^j]	<k>	<i>koba</i>	arrow
/k ^w /	[k ^w]	<kw>	<i>kwasu</i>	person
/m/	[m]	<m>	<i>maragwi</i>	fan
/n/	[n, n ^j]	<n>	<i>nakani</i>	to know
/o/	[o, u]	<o>	<i>orokoda</i>	knee
/õ/	[õ, õN]	<õ>	<i>ahõ</i>	hand
/p/	[p, p ^h , p ^j]	<p>	<i>pana</i>	dawn
	[ɸ]	<f>	<i>fona</i>	wasp
/r/	[r]	<r>	<i>rora</i>	many
/s/	[s]	<s>	<i>sari</i>	tomorrow
/ɕ/	[ɕ]	<sh>	<i>shonora</i>	crane
/t/	[t]	<t>	<i>taki</i>	ask
/tɕ/	[tɕ]	<ch>	<i>chinari</i>	shin
/i/	[i]	<u>	<i>suwi</i>	throw away
	[ɛ]	<e>	<i>hera</i>	arrive
/ĩ/	[ĩ, iN]	<ũ>	<i>wũ</i>	stink
/w/	[w]	<w>	<i>wara</i>	put
/z/	[z, dz]	<z>	<i>hoza</i>	rain
/ʔ/	[ʔ]	<'>	<i>ja'o</i>	give

The Taruma phoneme inventory consists of 20 consonant and 8 vowel phonemes. The principal phonological processes include the palatalization of most consonants before /i/ and the lenition of /p/ before /o/. Taruma is non-tonal, and stress is generally penultimate.