

WATER IN MAYA IMAGERY AND WRITING

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Abstract

The focus of this article is the concept of water in Maya imagery and writing. We will discuss the representation of different bodies of water in Maya art, the evolution of aquatic iconography, as well as expressions related to water in Mayan languages. Although saline water covers more than 70 % of the surface of our blue planet, most of the world's languages refer to the sea by analogy to smaller bodies of water, such as lakes. As such most cultures essentially have a land-locked perspective on the sea. The Maya are no different, even though the Maya area is partly demarcated by two oceans and although they have various words for different types of bodies of water, the vocabulary is wholly land-based. Some of the words for 'sea' in Mayan languages are originally based and built up on the words for smaller bodies of water, such as 'pool' or 'lake'.

Resumen

Este artículo se centra en el concepto del agua en las imágenes y la escritura de los mayas. Discutiremos las diversas representaciones de los cuerpos de agua en el arte maya, la evolución de la iconografía acuática, así como las expresiones relacionadas con el agua en los idiomas mayenses. Aunque el agua salina cubre más del 70 % de la superficie de nuestro planeta, la mayor parte de los idiomas del mundo hacen referencia al mar por analogía a cuerpos de agua dulce, tales como lagos. De tal manera que la mayoría de las culturas tienen esencialmente una perspectiva terrestre del mar. Lo mismo sucede en el caso de los mayas aunque el área maya está demarcado en parte por dos océanos y los idiomas tienen varias palabras para referir diversos tipos de cuerpos de agua. Algunas de las palabras para el 'mar' en los idiomas mayenses se basan en expresiones que designan cuerpos de agua dulce pequeños, tales como 'aguada' o 'lago'.

WATER, LAKES, SEAS, AND RIVERS IN MAYAN LANGUAGES

The word for 'water' itself in Maya languages is of great antiquity, rather conservative, and resistant to change. The Proto-Mayan *ha' (Kaufman 2003: 552-553) is still preserved in many modern Mayan languages. Lexemes for 'water' in Mayan languages are tabulated, below (after Kaufman 2003: 552-553; see also the appendix):

pM	*ha'	MCH	ja'
WASw	ja'	TEK	a'
YUK	ja'	MAM	a'
LAK	ja'	AWA	a'
ITZ	ja'	IXL	a'
MOP	ja'	USP	ja'
pCH	*ja'	KCHq	ja'
CHR	ja'	KCHc	ya'
CHT	<ha>	KCHk	ya'
CHL	ja'	SIP	ya'
TZO	ha'	SAK	ya'
TZE	ha'	TZU	ya'
TOJ	ja'	KAQp	ya'
CHJ	ha'	PQMp	ja'
QAN	ha'	PQMj	ha'
AKA	ja'	PCH	ha'
POP	ha'	QEQ	ha'

Table 1: Cognates for ‘water’ in modern and colonial Mayan languages, in contrast to select proto-languages. Language codes are as follows: Akatek (AKA), Awakatek (AWA), Chuj (CHJ), Ch’ol (CHL), CHR (Ch’orti’), Chontal (CHT), Itza’ (ITZ), Ixil (IXL), Kaqchikel of Patzun (KAQp), K’iche’ of Quiche (KCHq), of Chichicastenango (KCHc), and of Chicaj (KCHk), Lakantun (LAK), Mam (MAM), proto-Ch’olan (pCH), Poqomchi’ (PCH), Popti’ (POP), Poqomam of Palin (PQMp) and San Luis Jilotepeque (PQMj), Q’anjobal (QAN), Q’eqchi’ (QEQ), Sakpultek (SAK), Sipakapense (SIP), Teko (TEK), Tojolobal (TOJ), Tzeltal (TZE), Tzotzil (TZO), Tz’utujil (TZU), Uspantek (USP), western Wastek of Tancanhuitz (WASw) and Yukatek (YUK).

When it comes to the early Ch’olan recorded in the texts of the Classic period, the hieroglyphic corpus presents a handful of terms for water and different bodies of water. For instance, Classic Maya has a generic term *ha’* for ‘water’. This term can refer to water in general but it can also refer more specifically to fluids, liquids, rivers, and lakes as well as bodies of water in the broadest sense. *Ha’al* (literally ‘water-y’ or ‘water-like’), on the other hand, refers specifically to ‘rain’, whereas *ha’ha’al* (literally ‘water-rain’ or “very rainy”) refers specifically to the rainy season. These are reflected in modern Ch’orti’ (Wisdom 1949) where *ha’* is ‘water, stream, ocean’, *haha’~ha’ha’* is ‘watery, rainy, aquatic’, and *haha’ar k’in* is ‘rainy season’. In addition, examples are found in the theonym for God L, the supreme lord of the underworld (e.g. Helmke 2012a: 80-85; Martin in press). In both the Dresden Codex and in fragmentary ceramic texts from Altun Ha, Belize, the head of God L is preceded by the logograms **HA’-HA’AL** (see Helmke 1999; Lacadena 2004), suggesting, among other things, that the Ch’orti’ *haha’ar* is a reflex of the Classic Maya.

In Mayan languages we have different words for ‘ocean’, ‘lake’ and ‘river’, as well as other bodies of water. However, so far only a handful of these terms have been found in the glyptic corpus. The term *nahb* is usually translated as ‘pool’ or ‘aguada’ in reference to a small body of freshwater, but fundamentally it can designate any body of water (Figure 1a). The compound term *k’ahk’-nahb* (literally ‘fire-pool’), on the other hand, refers to ‘sea’ or ‘ocean’ or large bodies of saline water in general (Figure 1b). The initial *k’ahk’* part in the expression for ‘sea’ is especially interesting. It is tempting to think that the origin of the expression has something to do with the exposure of the sea to the sun, or to the sun rising or setting from the sea. Conversely, Alfonso Lacadena (pers. comm. 2012)

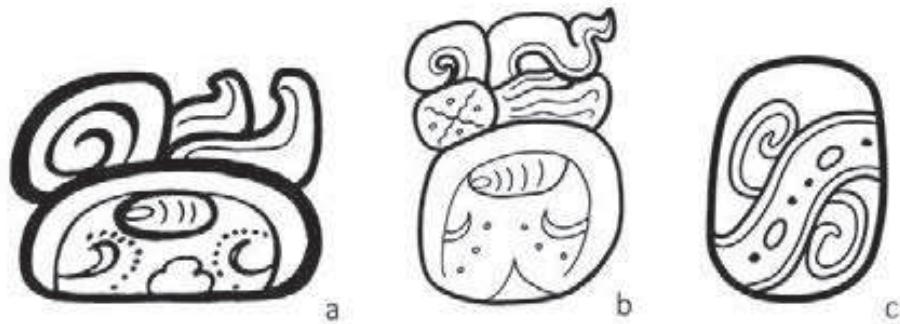


Figure 1. Glyphs for *nahb*, *k'ahk'nahb*, and *palaw pulaw?* (drawings by Christophe Helmke [a, b] and Harri Kettunen [c]).

has offered another possibility wherein *k'ahk'* might essentially function as an augmentative, leaving *k'ahk'nahb* to mean “large waters”. The only supporting evidence, however, comes from Colonial Tzeldal where *k'ahk'* operates as an augmentative, for verbs (Alfonso Lacadena, pers. comm., 2012).

Besides these expressions, one word in Ch'olti' might yield the reading for the ‘ocean’ glyph (Lopes 2004) (Figure 1c). In Ch'olti' this is *polaw* (possibly recorded as <*polau*> in Morán 1695: 151) and in Q'eqchi' (ALMG 2004) it is *palaw*. In both cases the translation of the word is ‘mar’ or ‘sea’ in Spanish. However, the word does not seem to appear in other lowland Mayan languages (excepting Ch'olti', and even there it may represent interaction with highland languages), so it remains speculative whether the word is an integral part of Ch'olan languages or whether it was a loanword from Q'eqchi'an language to Ch'olti'. It should also be noted that Kaufman (2003: 430) proposes the reconstruction **palaw* for Greater K'iche'an and records *palaw* in Q'eqchi' and Poqomchi', as well as *palow* in both Kaqchikel and K'iche'. Regardless, the word recorded in the glyphs, appears to end in *-w*, considering the final phonetic complement **wa**, but other than that we cannot be secure of the reading of this glyph. Besides the *polaw* or *palaw* reading, David Stuart has suggested *tikaw* (“warm/hot water” in Ch'orti') for the sign (pers. comm. cited in Houston 2010: 75). Considering the evolution of *u* > *o* attested between Classic Maya and its descendant languages, one can propose that the term would have been pronounced *pulaw* in the Classic period, especially considering that <*polau*> may be attested for Ch'olti' (Stross 1990: 54). Nevertheless, on the basis of present linguistic evidence the most plausible reading of the logogram is **PALAW**, not the least since the Ch'olti' entry may in fact record <*palau*>. Looking

at the imagery of the putative **PALAW?** sign and its iconographic context, we cannot overrule the possibility that the sign could refer to large bodies of water in general, or more specifically to mythical or even supernatural bodies of water, such as that which characterizes the underworld.

Also, it is interesting to note that no separate word for ‘river’ has been found in the corpus of Maya glyptic texts. This either stems from the fact that Mayan languages are quite ambivalent when it comes to different bodies of water or from a fact that we have overlooked words in the Maya hieroglyphic corpus that might actually refer to rivers. For instance, a well-known Mesoamerican calque for “river” is ‘big water’, and we do find this compound *lakam-ha* ('big/wide-waters'), one of the main toponyms of Palenque, apparently the original name of the Otulum river that crosses the archaeological site (Helmke 2009; see Smith-Stark 1994). Nevertheless, distinct lexemes do exist for ‘river’ in several Mayan languages. Ch'orti', for example, has *xukur* for ‘river’ (Wisdom 1950), Chontal dictionaries provide the Spanish loanwords *rio*, *riu*, and *riyu* (Knowles 1984; Keller and Luciano G. 1997); and both Tzotzil (Hurley and Ruiz 1986) and Yukatek (Barrera Vázquez 1980) have *uk'um* for ‘river’.

Yukatek also has ‘laguna’ or ‘lake’ for the same entry. In Itza’ there are a few words for ‘river’, including *bekan*, *ok ja*’, and a Spanish loan *riyoy*. Itza’ also has *ja*’ for ‘water, lake, rain, and river’ in general, *noj-ja*’ for ‘lake’, and *k’abnaab ~ k’aa’naab* for ‘sea’. It is interesting to notice that the word *ja*’ can cover all these domains, except for ‘sea’, making it clear that it is intimately tied to freshwater. It is equally noteworthy that Itza’ has *k’ab-* or *k’aa-* rather than *k’ahk*’ to form the word for sea, a piece of evidence that the word *k’ahk*’ has probably been reanalyzed in Itza’ and is probably a loan from a Ch’olan language (possibly eastern Ch’olan). However, we do have the same pattern in Yukatek, where we have both *k’ak’nab* and *k’anaab* for ‘sea’, suggesting that morphophonemics are at play. The same word is also found in Ch’olti’, recorded somewhat awkwardly by Ara (1695) as *cahnab*. Interestingly, however, *k’ak’naab* in Q’eqchi’ (ALMG 2004) is glossed as ‘laguna, laguneta’.

With regard to the seeming absence of a specific term for ‘river’ in Classic Maya inscriptions, one should take into account that *ha*’ (recorded as <*ha*>) is glossed as ‘río’ (‘river’) in the Morán dictionary (1695) and one of the glosses for *ha*’ in Ch’orti’ (Wisdom 1949) is ‘stream’. Also the aforementioned *ja*’ for ‘river’ in Itza’, not to mention the Classic Maya *lakamha*’, both reinforce the idea that *ha*’ and its cognates can also signify ‘river’ in many Mayan languages. As regards the Highland Mayan languages, Q’eqchi’ has *nim-ha*’ ~ *nim-a*’ (literally ‘large-water’) for “river”, precisely duplicating the Classic Maya and broader Mesoamerican calque, whereas K’iche’ has the more descriptive *binel ha*’ (literally ‘traveling water’), whereas Pokomchi’ has *chi’ ja*’ (‘mouth of water’) for “river”. Besides terrestrial water, there are also words in Mayan languages for subterranean water, such as the Yukatek *tz’onot* for ‘cenote’ or ‘lagos de agua dulce muy hondos o pozos o bolsas así’ (Barrera Vásquez 1980).

Water-related words and expressions in the corpus of Maya hieroglyphic texts are as follows:

<i>ha’ / -a’</i>	HA’-a HA’ A	<i>ha’</i> <i>ha’</i> <i>a[’]</i>	n	‘water’ in general and can refer more specifically to fluids, liquids, rivers, and lakes as well as bodies of water in the broadest sense
<i>ha’al</i>	HA’-a-la HA’-la HA’AL	<i>ha’al</i> <i>ha’al</i> <i>ha’al</i>	n	lit. ‘water-y’ or ‘water-like’ but specifically refers to “rain”
<i>ha’ha’al</i>	HA’-HA’AL	<i>ha’-ha’al</i>	n	lit. ‘water-rain’ or “very rainy” refers specifically to the “rainy season”
<i>naab ~ nahb</i>	na-bi NAB-bi	<i>naab ~ nahb</i> <i>naab ~ nahb</i>	n	‘pool, lake’ in particular and bodies of freshwater in general
<i>k’ahk’naab ~ k’ahk’nahb</i>	K’AK’-NAB	<i>k’af[h]k’-na[a]b</i> <i>k’af[h]k’-na[h]b</i>	cn	lit. ‘fire-pool’ or “great waters” meant as “ocean, sea” or large bodies of salt water in general
<i>palaw ~ pulaw?</i>	PALAW/PULAW?-wa	<i>palaw ~ pulaw</i>	n	‘sea, ocean, large body of water’

If we look at Indo-European languages, we find a very similar pattern to that of Mayan languages: the words for ‘lake’ and ‘sea’ seem to travel from language to language, changing their semantics as they go. It is also noteworthy that in different areas of the Germanic world, the words for lake and sea change their meaning depending on the geographic area (Table 2).

Language	Entry	Gloss
English	<i>sea</i>	‘sea’
German	<i>der See / die See</i>	‘lake’ / ‘sea’
Danish	<i>sø</i> <i>sø- / hav</i>	‘lake’ ‘of the sea’ / ‘sea’
Swedish	<i>sjö</i> <i>hav</i>	‘lake’ ~ ‘sea’ ‘sea’
French	<i>lac</i>	‘lake’
Spanish	<i>lago</i>	‘lake’
Latin	<i>locus</i>	‘lake, pool, basin’
Gaelic	<i>loch</i>	‘lake’
Spanish	<i>mar</i>	‘sea’
Latin	<i>mare</i>	‘sea’
French	<i>mer</i> <i>mare</i>	‘sea’ ‘pond, small lake’
German	<i>das Meer</i>	‘sea’ ~ ‘lake’
Dutch	<i>meer</i>	‘lake’
Russian	<i>море</i>	‘sea’
Polish	<i>morze</i>	‘sea’

Table 2: Terms for freshwater and saline bodies of water in salient European languages.

SERENE AND OTHERWORLDLY BODIES OF WATER IN CLASSIC MAYA IMAGERY

As regards the representations of bodies of water in Maya imagery, the depictions are quite often very stylized and abstract. From the context we know that a dotted line (Figure 2a) represents the surface of water – or sometimes water itself (see Houston and Taube 2012).

Another marker of water are the so-called “water stacks” (Schele and Miller 1986: 46) and “water scrolls”. Both can appear sideways or upside down in Maya imagery (see Figures 2a-c). Although no satisfactory explanation exists for what these “water stacks” depict, these may initially have represented the spires of conches, partly buried in the sand of the sea floor. In contrast the “water scrolls” may

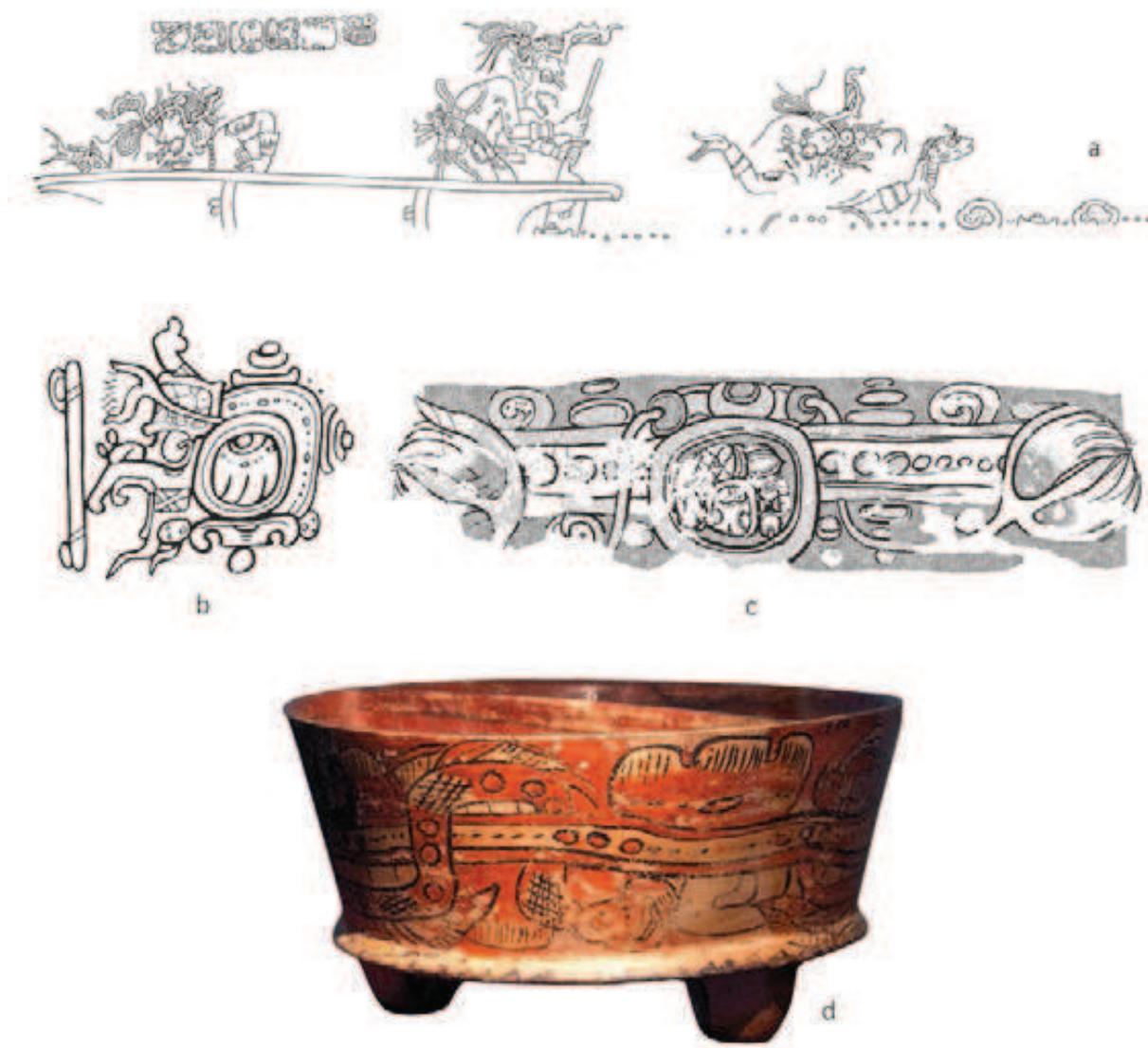


Figure 2. a) Tikal, Burial 116, Miscellaneous Text 51A (drawing by Annemarie Seuffert). Note the “water stack” framed by two “water scrolls” at the right end of the drawing; b) detail from a Late Classic ceramic vase (drawing by Andrea Stone after Hellmuth 1987: 161); c) detail from the mural of Substructure A, Chiik Nahb Acropolis, Calakmul (drawing by Simon Martin); d) Early Classic tripod vessel from Uaxactun (photograph by Harri Kettunen).



Figure 3. Water Lily Serpent (drawing by Linda Schele).

depict waves, although the same element, when it occurs in the glyptic texts, appears to provide an alternate term for a body of freshwater, such as a lake (e.g. in the toponyms of Tamarindito it may name the Lago Petexbatún, in the Altún Ha case, the pond that gives the site and nearby settlement [Rockstone pond] its name). It is also worth noticing that on the mural of Substructure A at Chiik Nahb Acropolis, Calakmul, the water stacks, scrolls, dots, and droplets are painted using blue color (Figure 2c).

Other somewhat direct references to water in Maya imagery include water lily flowers and water lily pads, both of which are abundant in Maya art (see Figures 2c-d, 3-6). Besides water lilies, dotted lines, water stacks and scrolls, the Maya also used a sign that resemble early **na** syllabogram (Figures 2b and 2d). Alfonso Lacadena has suggested that the sign originates in the Isthmian writing system where it functioned as the logogram for ‘water’. The argument is reinforced by the reconstructed Proto-Mije-Sokean word for ‘water’, *nä:, explaining both the graphic origin of the sign as well as phonetic value (Wichmann 1995: 392; Lacadena 2010).

Besides the aforementioned representations of water, the Maya portrayed water in a personified form in their imagery, as in the form of so-called Water Lily Serpents (see Figure 3). In the most complete instances this creature is named as *Yax Chit Jun Witz' Nah Kan* (see Helmke in press). Conventions of depicting water in Maya imagery changed during the course of the history of Maya art. It is interesting to notice that both in early and late Maya art (see Figures 3-4) water was depicted in a less abstract manner (as was often the case during the Late Classic). During the Early Classic, depictions of different bodies of water and water itself became very stylized. Tomb 1 at Río Azul depicts a water band common to the Early Classic imagery (Figure 5). This water band has as its basis

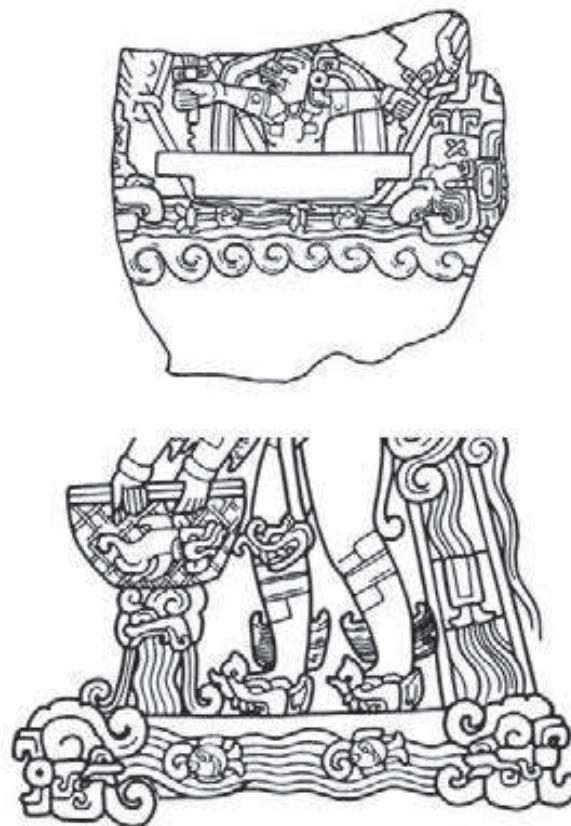


Figure 4. (top) Izapa Stela 67; (bottom) Izapa Stela 1 (drawings by Ayax Moreno).

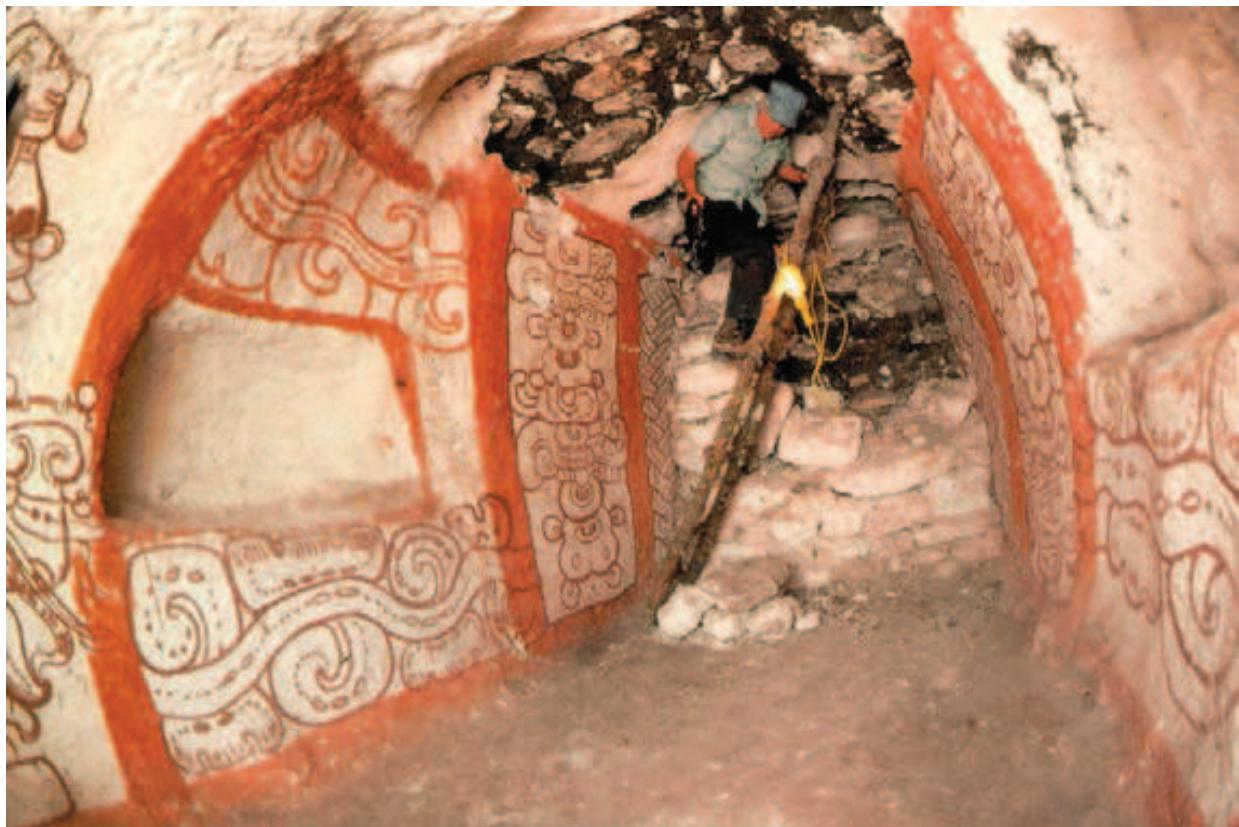


Figure 5. Río Azul, Tomb 1 (photograph by George Mobley).

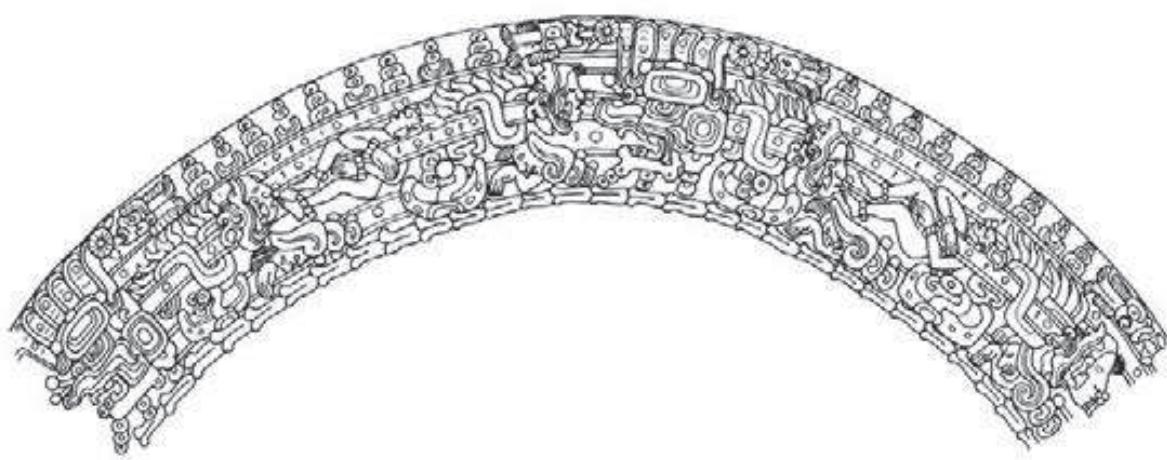


Figure 6. Imagery on an Early Classic ceramic bowl from Quintana Roo (drawing by Linda Schele, in Schele and Miller 1986: 280).

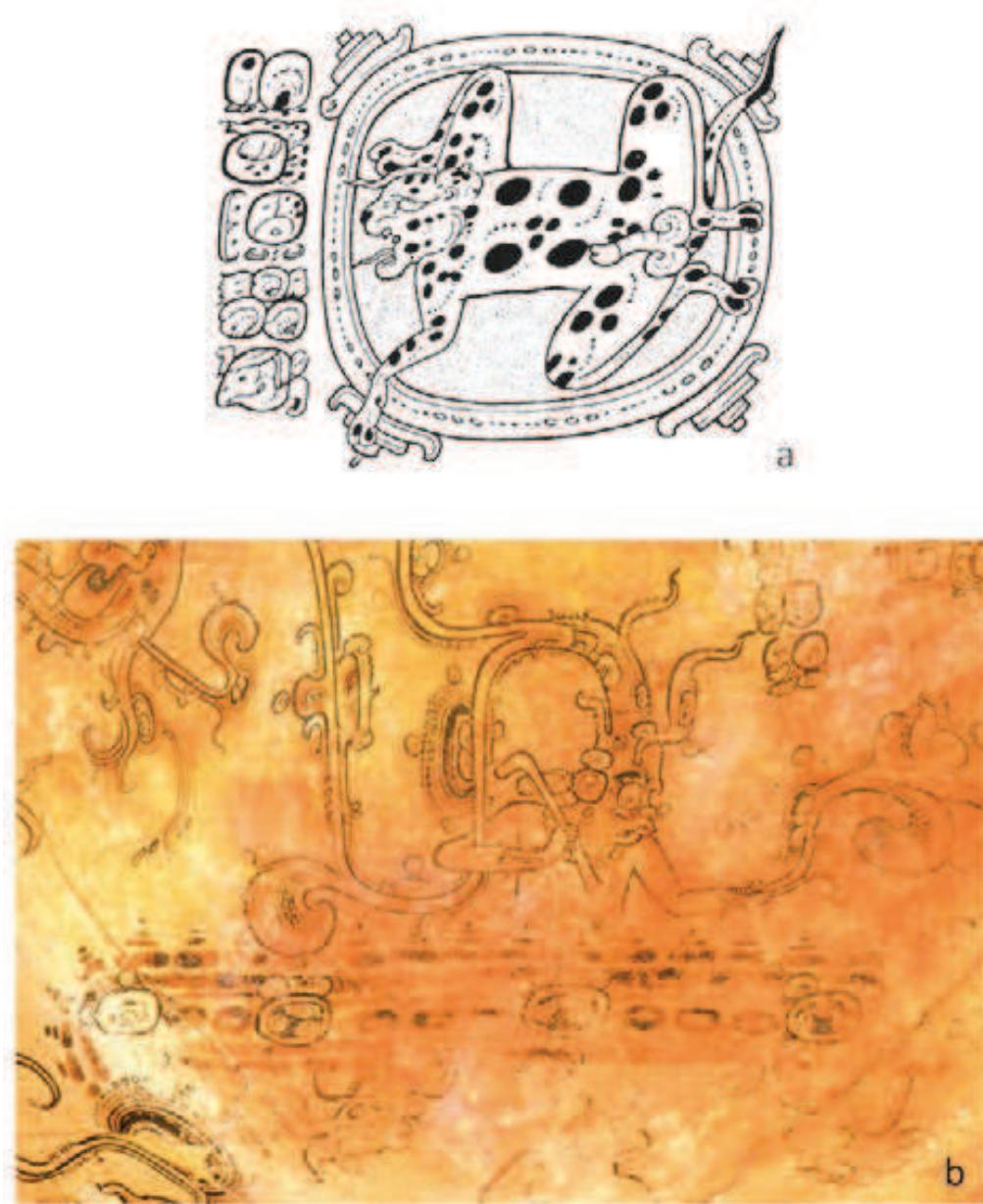


Figure 7. a) Detail of a Late Classic ceramic vase, K711 (drawing by David Stuart); b) Detail from a Late Classic tripod dish, K1609 (photograph by Justin Kerr).

a wavy band, marked with dots that represent water (compare to the glyph for ‘sea’ in Figure 1c). Attached to this band are the so-called proto-**na** ~ **HA**’ signs as well as dotted scrolls. Early versions of water stacks are found on the murals at San Bartolo where they appear to represent rain (see Taube *et al.* 2010). An Early Classic ceramic bowl from Quintana Roo (see Figure 6) depicts an Early Classic version of water stacks that later become even more stylized and abstract (see Figure 7). On K2085 water stacks are represented sideways, flanking a simple water band. One of these figures appears underneath the glyph for ‘cloud’ in the dedicatory text of the vessel, as pointed out by Andrea Stone and Marc Zender (2011) (Figure 8a). Whether this is intentional or not remains a point of discussion.



Figure 8. (top) Roll-out photograph of a polychrome vase, produced under the patronage of Naranjo's ruler K'ahk' Tiliw Chan Chahk, K2085 (photograph by Justin Kerr); (middle) Mural, Temple of the Warriors, Chichen Itza (ca. AD 900–1100) (watercolor by Ann Axtell Morris); (bottom) Golden disk from Chichen Itza (drawing by Tatiana Proskouriakoff).



Figure 9. (top) Detail from the Dresden Codex, page 39. (bottom) Detail from the Madrid Codex, page 4.

During the Postclassic, depictions of water distantly resemble those of the Preclassic, with a more realistic approach, as on the murals (Figure 8b) and on a golden disk from Chichen Itza (Figure 8c).

In the Postclassic codices water is represented with wavy blue lines. The lines on some of the pages of the Dresden Codex are curvier than, for example, those on the Madrid Codex (Figure 9). The Dresden Codex also portrays water as blue dotted line, possible vestige of an earlier stylistic tradition of depicting water. The Madrid and Paris Codices, on the other hand, mostly portray water as vertical wavy lines. Although part of the explanation for these disparate styles rests in the individual penmanship of scribes, it is also possible that representing water with wavy lines corresponds to the international Postclassic tradition, with parallels in the Central Mexican representations of water.

WATER BANDS AND CENTRAL MEXICAN CONNECTIONS

As regards Maya writing, we have the above-mentioned references (*ha'*, *nahb*, *k'ahk'nahb*, and *palaw?*) to the different bodies of water. The sign for water, **HA'**, is augmented with the sign **LAKAM** at Palenque. Clearly a place name, this combination has been interpreted by David Stuart as ‘large waters’, a reference to the many rivers cutting through Palenque. As we have already noted, the notion of ‘big waters’ is a Mesoamerican calque for “river” and this seems to be precisely what the toponym of Palenque referred to (Helmke 2009).

The sign that reads **NAB** (for pool or any body of water) appears to represent a stylized water band with watery dots and a leafy **le** sign, possibly topped with a stylized water plant (see Figure 1a). In the glyph for ‘sea’ or *k'ahk'nahb*, the sign **NAB** is supplement with a **K'AK'** sign for ‘fire’ (Figure 1b). On the tablet of Temple XIV at Palenque (Figure 10), this sign is preceded by a sign **TI'** for ‘mouth’, but functioning as a locative for place, such as ‘at’. The water band also depicts water bubbles or dots,



Figure 10. Temple XIV Tablet, Palenque (drawing by Merle Greene Robertson).



Figure 11. Detail of the water band on the North wall of Structure A, Cacaxtla (photograph by Enrico Ferorelli).

water stacks (pointing both upwards and downwards), **na**-like signs and **HA'** logograms representing stylized water, in addition to water scrolls and **le** signs.

The identification of the water band at Palenque and elsewhere can be contrasted to the water bands that frame the famed murals at Cacaxtla (Figure 11) where the iconography is rendered in a distinct central Mexican-Maya hybrid style, embellished with an abundance of water imagery, much alike at other arid areas around the world, such as the water-saturated architecture at Alhambra in Granada, Spain.

The East wall of the Red Temple at Cacaxtla depicts a Maya underworld deity God L, whom we have already mentioned earlier, along with his backpack, within a supernatural scene with cacao trees and maize plants, surrounded by a water band. A similar water band can be found on the piers of Structure A. The water band portrays aquatic animals such as a conch, an egret, and a variety of mollusks, including conches and tent cone shells. Some of these resemble the creatures represented on the mural at the Temple of the Warriors at Chichen Itza. However, what is interesting about the water bands at Cacaxtla, is that they portray a version of the leafy **le** sign that we see often in Maya iconography and in the glyph **NAB** (see Figures 1a-b, 10). This water band also resembles the simplified water band on a Tzakol 3 tripod vase from Burial 48 at Tikal on which the water band is reduced to wavy lines and **le** signs (Figure 12).

The **le** sign as part of the water band has great antiquity in Maya imagery. It can be traced back to the central scene of the West Wall of the Las Pinturas Complex at San Bartolo (Taube *et al.* 2010: 81-83). On the left side of the scene the Maize God is born, on the right side one can observe his death, and in the middle his resurrection. In the scene on the right, the Maize God is in a descending position, amidst scrolls and swirls. He is quite literally being dragged into the watery underworld by a snake that is coiled around his chest. In Maya graphic conventions the snake is relevant to the scene but significantly as a means of contextualizing the descent of the Maize God, he is marked by a stylized water band. Remembering that these murals date to around 100 BC it is clear that the conventionalized water band in the Maya area is of great antiquity. As a result the examples of water bands with the **le** sign at Cacaxtla are clearly of Maya origin or import (Helmke 2010). The descent of the Maize God into the watery underworld is paralleled in the Classic Maya expression *och ha'*, ‘to enter water’, one of the euphemisms for “to die” (Lounsbury 1974; Schele 1980: 116-117, 350; Helmke 2012b: 111-113). The death by “entering the water” is also depicted in Maya imagery, as in the famous incised bones from Tikal Burial 116 (Figure 13).

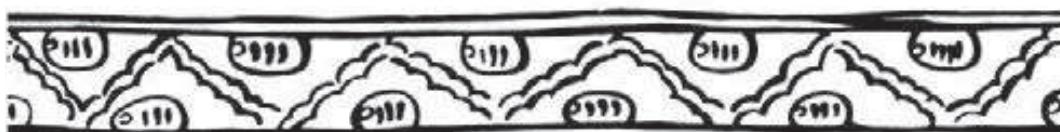


Figure 12. Simplified water band on a Tzakol 3 tripod vase from Burial 48 at Tikal (Culbert 1993: Fig. 31a).

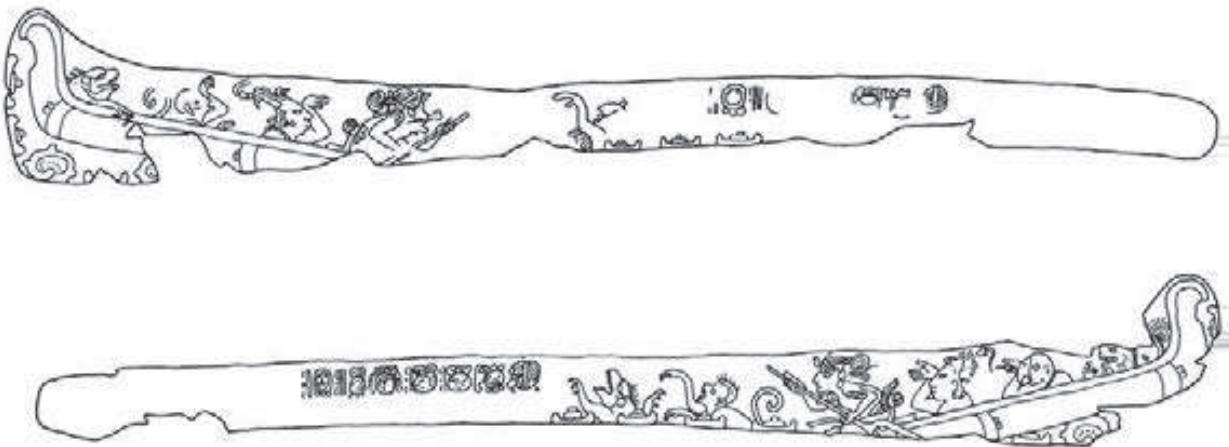


Figure 13. Sinking canoe depicted on incised bones from Burial 116 at Tikal (drawings by Linda Schele).

A LOOK BACK AND AHEAD

The death of the Maize God can also be seen in agricultural terms, as has been pointed out by Simon Martin (2010; Miller and Martin 2004: 52-62): after the harvest Maize God dies, to be reborn with the rains. This cycle of death and resurrection can be seen as mythological only – or with clear agricultural connections. In Maya imagery and mythology this sequence of episodes is represented as an eternal battle between life and death in the form of the Maize God and God L, with later versions juxtaposing Jesus and Rilaaj Mam.

Going back to the glyph representing bodies of water, or *nahb* (see Figure 1a-b). What we are looking at is in fact a compacted segment of stylized and conventionalized Maya water band. The diagnostic segment of the sign is the **le** sign and the whole water band can actually be reduced to the sign representing the syllabogram **le** which here does not read *le* but is a fossilized sign with an unknown origin serving as an attributive or semantic determinative that imbues the overall logogram with meaning. However, similar to the origin of the **na** sign that in all likelihood has an Isthmian origin (Lacadena 2010), the **le** sign might also represent something watery, a water plant, or a leaf in neighboring languages, such as Mije-Sokean.

As regards the sign **NAB**, we also have it painted on the northeastern corner of Tomb 12 at Río Azul with a **NAL** sign on top of the **NAB** sign, as well as a suffix **la**. All this is preceded by number six. On the opposite side of the tomb we can find something similar: the potential **PALAW** sign, accompanied by a **wa**-syllabogram. These are flanked with the same signs as on the northeastern corner, producing **6-PALAW?-wa-NAL-la**. The same sign is also represented on bench of Temple XIX at Palenque in relation to the pre-current-era decapitation of Waay Pat Starry-eared-Alligator at the God D accession ceremony. The blood of this creature is said to be “oceanned”, if the reading of the sign actually means “sea” or “ocean”, much alike the blood that is being “pooled” at places like Naranjo and Dos Pilas. The grammar of the sentence still eludes full decipherment, with the enigmatic **na-ka-PALAW?-wa-a** reference after the **u-K'IK'?**-**le** phrase.

Much remains to be done regarding the recognition of Maya aquatic imagery and expressions. One of these is the use of the all-embracing word *ha'* to indicate various bodies of water, the water itself, as well as, for example, locative suffixes in place names. It is equally important to go back to all **HA'** signs in the glyptic corpus and to see what the actual referent in each case is. Moreover, it is worth looking at the representation of aquatic symbolism of other Mesoamerican traditions, as well as

the language and mythology related to watery themes, and to compare these to the Maya counterparts, in order to get a more comprehensive understanding of the semantics of water in Mesoamerica.

Bineen tu chi' a' k'a'naabej i yutzil wabin uja'il

*Fui a la orilla del mar y que bonito es su agua
I went to the seashore and how beautiful is its water
(Hofling and Tesucún 1997 [1979.12/18.12])*

APPENDIX: WATER IN VARIOUS MAYAN LANGUAGES

Ch'olan languages

Proto-Ch'olan (Kaufman 2003)

*k'äk'-nahb sea

Ch'ol (Aulie & Aulie 1978)

<i>aban</i>	laguna
<i>petem</i>	laguna
<i>ñajb</i>	mar
<i>colem aban</i>	mar

Ch'olti (Morán 1695)

<ha>	agua, río?
<yaxha>	agua clara, berde, azul
<polau>	mar
<cahnab>	mar

Chontal (Knowles 1984)

<i>ha'</i>	water
<i>ha'-a</i>	rain
<i>ha'yuw-a(n)</i>	to rain
<i>ha'-tzih</i>	sneeze
<i>k'ak'-nap'</i>	sea
<i>náp'</i>	body of water

Chontal, Tabasco (Keller & Luciano G. 1997)

<i>nab</i>	laguna grande, mar, océano
<i>to'o</i>	lago, laguna, arroyo
<i>pa'</i>	lago, laguna, arroyo, popal, río

Ch'orti' (Wisdom 1950; ALMG 2000)

<i>xukur</i>	river
<i>noh xukur</i>	great river (Río Jocotán)

<i>nohta' ha'</i>	any large body of water, lake
<i>nohoh ha'</i>	large lake
<i>noh ha'</i>	lake
<i>noxi' ha'</i>	sea (<i>noxi'</i> , ‘tall, high, adult, old, long’)
<i>noxi' witz'</i>	high waterfall
<i>ha'</i>	ocean, stream (<i>to'or e ha'</i> ‘over the ocean, over a stream’)
<i>ha'</i>	water, stream
<i>tzah ha'</i>	any fruit beverage (<i>tzah</i> ‘tasty, savory, anything tasty, tasty fruit’)
<i>yax ha'</i>	clear water, clean or fresh water, drinking water
<i>ha'</i>	water, stream, body of water, rain, spirit of water and bodies of water, juice or sap of fruits, vegetables, and plants, soup, plant excretion, liquid
<i>k'ihna' < k'ihn.ha</i>	warm water, hot water, hot spring
<i>k'as ha'</i>	rain
<i>mut ha'</i>	any aquatic bird
<i>cha'haha'ar k'in</i>	second rainy season of the year (la segunda)
<i>haha'</i>	watery, rainy, aquatic, living or found in water or marshes
<i>haha'ar</i>	rain, rain period, a fall of rain, raining
<i>haha'ar k'in</i>	rainy season (May to November); pertaining to the rainy season

Tzeltalan languages

Tzeltal (Slocum 1950)

<i>ja'</i>	agua
<i>ja'al</i>	lluvia

Tzeldal (Ara 1548)

<i><nabil></i>	laguna, mar
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Tzotzil (Haviland 1981)

<i>ha'</i>	agua
<i>ho'</i>	agua
<i>ja'</i>	agua
<i>vo'</i>	agua
<i>nab</i>	laguna
<i>uk'um</i>	río

Tzotzil (Hurley & Ruíz 1978)

<i>jo'</i>	agua
<i>nab</i>	lago
<i>nab</i>	laguna
<i>ts'anleb jo'</i>	laguna
<i>muk'ta nab</i>	mar
<i>uk'um</i>	río

Yukatekan languages

Yukatek (Barrera Vásquez 1980; Bastarrachea *et al.* 1992)

<i>a'</i>	agua
<i>ha'</i>	agua, lluvia
<i>k'ak'nab ~ k'anaab</i>	mar
<i>ak'al</i>	laguna, ciénaga
<i>k'oba'</i>	lago o laguna de agua; piedra de lago o de río
<i>ts'onot</i>	abismo, profundidad, lagos de agua dulce muy hondos o pozos o bolsas así
<i>uk'um</i>	laguna, río
<i>x-okola'</i>	río
<i>yok'a</i>	río
<i>cháak</i>	lluvia

Itza' (Hofling & Tesucún 1997; ALMG 2001b)

<i>ja'</i>	water, lago, lluvia, río
<i>bekan</i>	river
<i>ok ja'</i>	river
<i>k'abnaab, k'a'naab</i>	sea
<i>ajnoj-ja'</i>	lake
<i>ixnoj-ja'</i>	lake
<i>noj-ja'</i>	lake
<i>k'a'-</i>	mar / sea (only in compounds)
<i>k'ab-</i>	mar / sea (only in compounds)
<i>k'abnaab</i>	mar / sea

Itza' (ALMG 2001)

<i>ja'</i>	water, lago, lluvia, río
<i>k'a'naab</i>	mar
<i>nab</i>	water lily

Mopan (Schumann 1997)

<i>ja'</i>	agua, lluvia, río
<i>nojja'</i>	río

Lakantun (Bruce 1968)

<i>ha'</i>	agua
<i>ha'ha'</i>	lluviosísimo
<i>petha'</i>	lago

Q'anjobalan languages

Q'anjobal (ALMG 2003b)

<i>a'ej ~ ej ~ ja' ~ a'</i>	agua
<i>najab</i>	laguneta, laguna
<i>nab</i>	lluvia

Chuj (ALMG 2003d)

<i>ha' niwan</i>	río grande
<i>ha niwan ha'</i>	playa
<i>nhab</i>	lluvia

Tojolabal (Furbee-Losee 1976)

<i>ha'</i>	water, rain
<i>k'ab</i>	to rain

Mamean languages**Mam** (ALMG 2003c)

<i>a'</i>	agua
<i>a'</i>	río

Tektitek (ALMG 2003f)

<i>a'</i>	agua
<i>kyichbil</i>	laguneta
<i>smayun</i>	lluvia

Awakatek (ALMG 2001a)

<i>chook</i>	canal
<i>abaal</i>	lluvia
<i>a'</i>	agua, río

K'iche'an languages**K'iche'** (ALMG 2004a)

<i>ja'</i>	agua
<i>cho</i>	lago, laguna
<i>nim ja' ~ nimaja' ~ nima'</i>	río

Sakapultek (ALMG 2001d)

<i>ya'</i>	agua
<i>jab</i>	lluvia
<i>nem ya'</i>	río

Sipakapense (ALMG 2001e)

<i>ya'</i>	agua
<i>jab</i>	lluvia
<i>tik'lik ya'</i>	lago
<i>nima ya'</i>	río

Poqomam (ALMG 2003e)

<i>ha'</i>	agua, río
<i>nim ha'</i>	río

Poqomchi' (ALMG 2001c)

<i>ha'</i>	agua
<i>chooh</i>	lago, laguna
<i>nimha' ~ nim ha'</i>	río
<i>palaw</i>	mar

Q'eqchi' (ALMG 2004b)

<i>ha'</i>	agua
<i>k'ak'naab</i>	laguna, laguneta
<i>hab</i>	lluvia
<i>nima', nimha'</i>	río
<i>palaw</i>	mar

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