

Supplemental Table 1. Ethnographic and Archaeological Evidence of Select Low Return Plant Resources from Late Archaic Contexts in Southern Arizona and Northwestern Mexico.

Taxon and Ethnographic Uses	Return Rate^{ai}	Archaeological Evidence
<i>Cyperaceae</i> ^{h, o, z}	202 ^{ad, ae, w, x} (<i>Carex</i> sp.)	Las Capas ^{k, m, n, ac} , Wetlands ^r , Los Ojitos ^r , Los Pozos ^j .
Cyperus family	470 ^{ad, ae, w, x} (<i>Scirpus</i> sp.)	^k , Donaldson ^r , Valley Farms ^u , Stone Pipe ^t , Cerro Juanaqueno ^q
<i>Lepidium</i> sp. ^{e, h, z}	537 ^{ad, ae, x}	Las Capas ^{k, m, n, ac} , Los Pozos ^{j, k}
Peppergrass		
<i>Poaceae</i> ^{b, c, d, g, i, z}	143-473 ^{ad, ae, x}	Las Capas ^{k, m, n, ac} , Los Pozos ^{j, k} , Clearwater ^l , Milagro ^s , Valley Farms ^u , Donaldson ^r , Wetlands, Santa Cruz Bend ^t , Stone Pipe ^t , La Playa ^p , Cerro Juanaqueno ^q , Los Ojitos ^r , Coffee Camp ^v
<i>Muhlenbergia</i> sp.	162-294 ^{ah}	Las Capas ^{k, m, n, ac} , Los Pozos ^{j, k} , Santa Cruz Bend ^t , Stone Pipe ^t , Cerro Juanaqueno ^q
Muhly grass		
<i>Hordeum</i> sp.	138-273 ^{ad, ae, x}	Las Capas ^{k, m, n, ac} , Los Pozos ^{j, k}
Wild Barley		
<i>Sporobolus</i> sp. ^{b, e, h, i, z}	162-294 ^{ad, ae, x}	Las Capas ^{k, m, n, ac} , Stone Pipe ^t , Santa Cruz Bend ^t , Clearwater ^l , Donaldson ^r , Milagro ^s , Valley Farms ^u
Dropseed		
<i>Achnatherum hymenoides</i>	301-364 ^{w, x, ad, ae}	Las Capas ^{k, m, n, ac}
Indian Ricegrass ^{a, h, i, z}		

<i>Portulaca</i> sp. ^{d, f, o, z}	200 ^{ag} (560 ^{aj}) ^{ab}	Las Capas ^{k, m, n, ac} , Los Pozos ^{j, k} , Clearwater ^l
Lambsquarters	(<i>portulaca oleracea</i>)	Milagro ^s , Valley Farms ^u , Donaldson ^f , La Playa ^p
<i>Polygonaceae</i> ^{b, c, d, h}	360 ^{aa} (380 ^{aj}) ^{af}	Las Capas ^{k, m, n, ac} , Los Pozos ^{j, k} , Donaldson ^f , Valley Farms ^u , La Playa ^p , Los Ojitos ^r
Knotweed family		
<i>Trianthema portulacastrum</i> ^g	300 ^{aa, ag} (761 ^{aj}) ^y	Las Capas ^{k, m, n, ac} , Los Pozos ^{j, k} , Milagro ^s , Donaldson ^f , Valley Farms ^u , Coffee Camp ^v , Santa Cruz Bend ^t , Stone Pipe ^t , Cerro Juanaqueno ^q
Horse purslane		
<i>Chenopodium</i> sp.	400-500 ^{ah}	Las Capas ^{k, m, n, ac} , Los Pozos ^{j, k} , Milagro ^s , Donaldson ^f , Valley Farms ^u , Coffee Camp ^v , Santa Cruz Bend ^t , Stone Pipe ^t , Cerro Juanaqueno ^q
Goosefoot		

^a Bailey (1940).

^b Castetter (1935).

^c Castetter and Bell (1942).

^d Castetter and Opler (1936).

^e Castetter and Underhill (1935).

^f Crosswhite (1980).

^g Crosswhite (1981).

^h Curtin (1949).

ⁱ Doebley (1984).

^j Diehl (2001).

^k Diehl (2005).

^l Diehl (2006).

^m Diehl (2010).

ⁿ Diehl (2015).

^o Ebeling (1986).

^p Guadalupe Sanchez de Carpenter (1998).

^q Hanselka (2000).

^r Huckell (1995a).

^s Huckell (1995b).

^t Huckell(1998).

^u Huckell (2008).

^v Hutira (1993).

^w Jones (1981)

^x Jones and Madsen (1991)

^y Kahn et al. (2013).

^z Rea (1997).

^{aa} Schaefer (2011).

^{ab} Sheela et al. (2004).

^{ac} Sinensky (2013).

^{ad} Simms (1984

^{ae} Simms (1987).

^{af} Trichopoulou et al. (2000).

^{ag} Hudspeth (2000).

^{ah} Gremillion (2004).

^{ai} Post encounter/post processing rates are listed for seeds, unless noted otherwise.

^{aj} Pre-encounter, pre-processing return rate for vegetative portion.