



## ABORIGINAL STAR KNOWLEDGE

### Native American Astronomy



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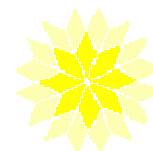
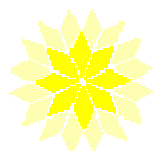
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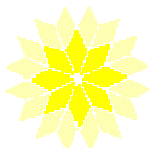
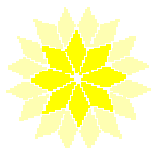
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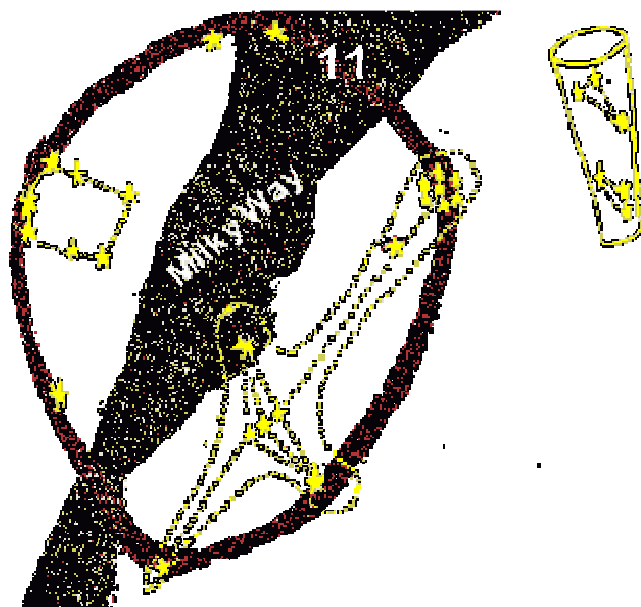
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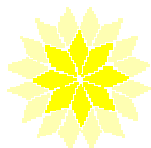
# Lakota **S**tar - **E**arth **M**aps and **T**ables

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## Animal constellation



*Numbers on the Star Map refer to stars and constellations. The red track -- Ki Inyanka Ochanku, the Sacred Hoop -- is traced by certain bright stars: the Pleiades (7 sisters), Rigel, Sirius, Castor-Pollux, Auriga B, Capella.*

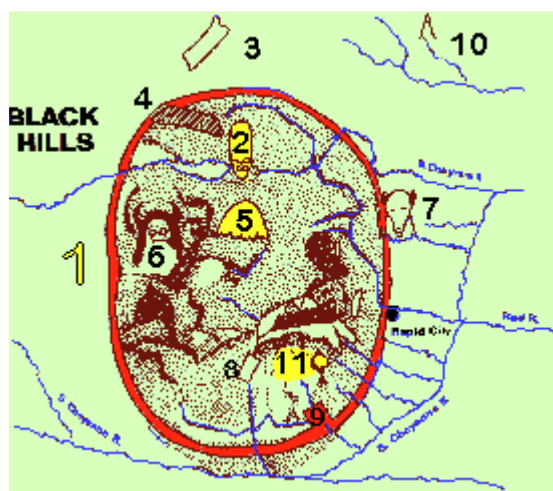
No.	Name	Astron. name	Represents
0	----	Aldebaran	First magnitude star lying in the bright Hyades cluster

			(Taurus) on backbone line to Pleiades (Animal's head)
1	Tayamnipa	Pleiades	Head of constellation "Animal" (perhaps Buffalo)--Harney Peak. Also known as Winchincala Sakowin (7 little girls)
2	Tayamnituchuhu	Betelgeuse	With Rigel, Animal's ribs
3	Tayamnichankahu	Orion's Belt	Animal's backbone
4	Tayamnituchuhu	Rigel	Animal's other rib, Hoop marker
5	Tayamnisinte	Sirius	Animal's tail, Hoop marker; Animal's name means "born of 3 relatives"
6	----	Procyon	A Hoop marker
7	Matotipila marker	Castor ("Twins")	Constellation is Bear's Tipi, aka Devil's Tower
8	Matotipila marker	Pollux ("Twins")	Mato Tipila and Hoop marker
9	Mato Tipila constellation	8 of the 12 stars in Gemini	Constellation is Bear Tipi, now Grey Buffalo Horn (aka Devil's Tower), place of solstice Sun Dance
10	----	Beta Aurigae	Hoop marker
11	----	Capella	Hoop north marker
12	Part of Chanshasha Ipusye	Triangulum	Part of Dried Willow constellation, Spring Equinox, Pipe ceremony
13	Part of Chanshasha Ipusye	Aries	Dried Willow, People are in the winter camps, Pipe Ceremony begins round of spring ceremonies
14	Chanshasha Ipusye	----	Standing for Pipe (red willow used in smoking); spring renewal ceremonies in Black Hills

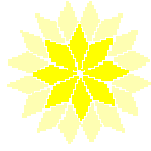


--[Sun and Star Constellations and Time](#)

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*Numbers on the Black Hills Map refer to sacred sites. The red track -- Ki Inyanka Ochanku, the Sacred Hoop -- was created by a race run by 2-legged and 4-legged.*

1	<b>Ki Iyanka Ochanku</b>	<b>Race Track Valley</b>	<b>Race Track or Sacred Hoop bounding ceremonial area, mirrored in stars.</b>
2	<b>Mata Tipi Paha</b>	<b>Bear's Tipi, also Grey Buffalo Horn (Devil's Tower)</b>	<b>Site of June 21 Sun Dance that concludes Spring Sacred Ceremonial round.</b>
3	<b>Paha Zipela</b>	<b>Slim Buttes</b>	----
4	<b>Paha Sapa</b>	<b>Black Butte</b>	---- .
5	<b>Pe Sla</b>	<b>Old Baldy</b>	<b>Center of Black Hills, Welcome back all life in peace (Okislataya Wowahwata -- Peace at a Bare Spot, 2nd stage of spring ceremonies</b>
6	<b>Hinhan Kaga Paha</b>	<b>Ghost (Owl) Butte</b>	<b>Spirits of dead start path on Milky Way.</b>
7	<b>Mato paha</b>	<b>Bear Butte</b>	<b>Sacred underground emergence origin; desecrated by park site</b>
8	<b>Mnikata</b>	<b>Hot springs</b>	<b>For sacred purifications, now desecrated by tourist operations.</b>
9	<b>Pte tali yapa</b>	<b>Buffalo Gap</b>	<b>Sacred entrance/exit to Hoop</b>
10	<b>Wakinyan Paha</b>	<b>Thunder Butte</b>	<b>Welcoming back thunders (Wakinyan) ceremony, when sun is in Pleiades, Yate Iwakicipi ceremony</b>
11	----	<b>Harney Peak</b>	<b>When the sun is in Pleiades, the sacred round starts from Harney Peak, or any of several buttes.</b>