

Catalog ID: NAm7

Timestamp: 5/6/2012

Source and ID: RL Andrews et al. Multiple Warp Weft Loop Style

Style: Sandal attached to foot by tie system

Attachment of sole to vamp (upper): Continuous

Sole front toe-loops: 0

Sole side-toe loops: 2 symmetrical

Sole mid-sole loops: 4 symmetrical

Sole side heel-loops: 2 symmetrical

Sole back heel- loops: 0

Tie-system technique: Side-loop system

Attached decorative element: None

Decoration: None

Sole warp or passive element: Coarse, fibrous, rounded element

Sole weft or active element: Coarse, fibrous, flattened element

Sole bundle: Does not apply (no bundle used)

Sole warp or passive element yarn ply: 1 ply

Sole warp or passive element yarn twist: No twist

Sole weft or active element yarn ply: 2 ply

Sole weft or active element yarn twist: Z-twist

Sole front edge finishing technique (selvage): Simple (produced from elements already in the sole)

Sole back edge finishing technique (selvage): Simple (produced from elements already in the sole)

Sole side edge finishing technique (selvage): Simple (produced from elements already in the sole)

Sole construction technique:	Plain compact 2-strand Z-twist weft-twining (warps and wefts used)
Sole warp material:	Leaves, twigs, stalk or bark
Sole weft material:	Leaves, twigs, stalk or bark
Sole solid (non-woven) material:	Does not apply (sole not made of solid material)
Upper (vamp + quarter) warp or passive element:	Fine, fibrous, rounded element
Upper (vamp + quarter) weft or active element:	Coarse, fibrous, rounded element
Upper (vamp + quarter) bundle:	Does not apply (no bundle used)
Upper (vamp + quarter) warp or passive element yarn ply:	1 ply
Upper (vamp + quarter) warp or passive element yarn twist:	No twist
Upper (vamp + quarter) weft or active element yarn ply:	2 ply
Upper (vamp + quarter) weft or active element yarn twist:	Z-twist
Upper (vamp + quarter) edge finishing technique (selvage):	None (elements simply cut off)
Upper (vamp + quarter) construction technique:	Plain spaced 2-strand Z-twist weft-twining (warps and wefts used)
Upper (vamp + quarter) warp material:	Leaves, twigs, stalks or bark
Upper (vamp + quarter) weft material:	Leaves, twigs, stalks or bark
Upper solid (non-woven) material:	Does not apply (vamp not made of solid material)
Structure of upper:	Vamp and quarter
Overall sole shape:	Symmetrical

Additional information: Three main varieties of multiple-warp sandals were identified at Dirty Shame. In addition to the weft loop variety described here, they were selvage loop and composite loop varieties. Most of these sandals have heel pockets but a few do not and look like slippers. Individual yarn elements of warps and wefts were mixed even in the same sole having no twist, S-twist, or Z-twist. However the twining direction of all the wefts was Z-twist with two plies or component elements. Warps were single elements with the heterogeneity in twists. Sandal description is a composite of descriptions of many weft loop variety of multiple warp-style sandal fragments found at the excavation of Dirty Shame Rockshelter, Malheur County, Oregon in 1973 by R. L. Andrews, J. M. Adovasio, and R. C. Carlisle (University of Oregon Anthropological Papers 34). The loops are a key part of describing this sandal. Because the sandals found at Dirty Shame were mostly partial with only a few loops intact, we used as

our standard the multiple warp sandal in Figure 9.1 in the article Great Basin Sandals by Connolly and Barker.

The code for describing this specimen is

					2	1	1	3	5	3	1
1	1	1	5	6	-9	1	1	2	3	2	2
2	7	3	3	-9	7	5	-9	1	1	2	3
1	8	3	3	-9	3	1					