

Appendix B Site Descriptions

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Site Descriptions

SITE NUMBER (SIHP): 50-20-97-101	FIELD NO.: 75272757-1
FEATURE: None	GMU: 75272757
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: High
SITE TYPE: Platform	SITE DIMENSIONS: 130 m (L) x 125 m (W)
SITE FUNCTION: Habitation, Activity Area, Ceremonial	SITE AREA: Approx. 16250 sq. m

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Sinkers, Adz preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

Site 101 is located on the eastern side of Kaulana gulch near its source on the south flank of Moa`ulanui (Figure 3-7). This site consists of a 2 to 3 meter high hummock with stacked basalt walls on the northern and eastern edges, surrounded by a large dense scatter of fractured basalt, debitage, artifacts, and midden. The architectural remains are largely the same as previously described (NRHP Inventory Nomination Form, Description, Hammatt *et al* 1996), with the addition of a low wall visible on top of the central portion of the hummock (Figure B-1; Figure B-2). The area behind the east wall that was previously recorded as simply a stacked wall appears now to be a series of short terraces extending up to the interior of the structure. The boulder alignment at the southwestern part of the hummock appears to be of modern construction, because it is not of the same style of construction. The architectural remains today have the appearance of retaining walls surrounding an earth-filled platform. However, this is very difficult to determine given the current overgrown condition of the structure and the thickness of the accumulated Ahupu Formation soils.

The scatter of cultural material that surrounds the hummock is extremely dense within approximately 5 to 7 m of the perimeter of the base of the hummock. The density then decreases to the north, west, and south of the hummock and structure. Toward the northeast, that is generally downhill, the materials are somewhat more concentrated. Material remains include a high quantity of basalt flakes, fractured basalt, and small waterworn cobbles. There are also numerous fragments of coral in the scatter, the majority of which are branch coral. There is a small quantity of marine shell remains. Considering the amount of lithic debitage, the quantity of marine shell seems very small. Artifacts identified and recorded include 13 hammerstones, two *`ulu maika*, two adz preforms, two coral abrader fragments, four bifaces, one breadloaf-type sinker, and two other miscellaneous artifacts. The relatively high density of hammerstones with respect to finished and unfinished tools is unusual. The quantity of waterworn cobbles and pebbles suggests that there might have been an *'ili 'ili* pavement at this site.

The exposed banks of the hummock reveal two distinct strata. The upper stratum is reddish brown silty loam with poor ped formation that is between 5 and 40 cm thick where observed. The stratum below is a brown to dark brown silty loam with more distinct ped formation, less red in color, and contains charcoal on the NE exposure of the hummock. At the boundary between the two strata, there are basalt cobbles and waterworn pebbles on the surface of the lower stratum. Where observable, some boulders of the walls also appear to be on the surface of the lower stratum. This lower stratum is likely the former A horizon of the site occupation.

Figure B-1. Site 101, Plan Map

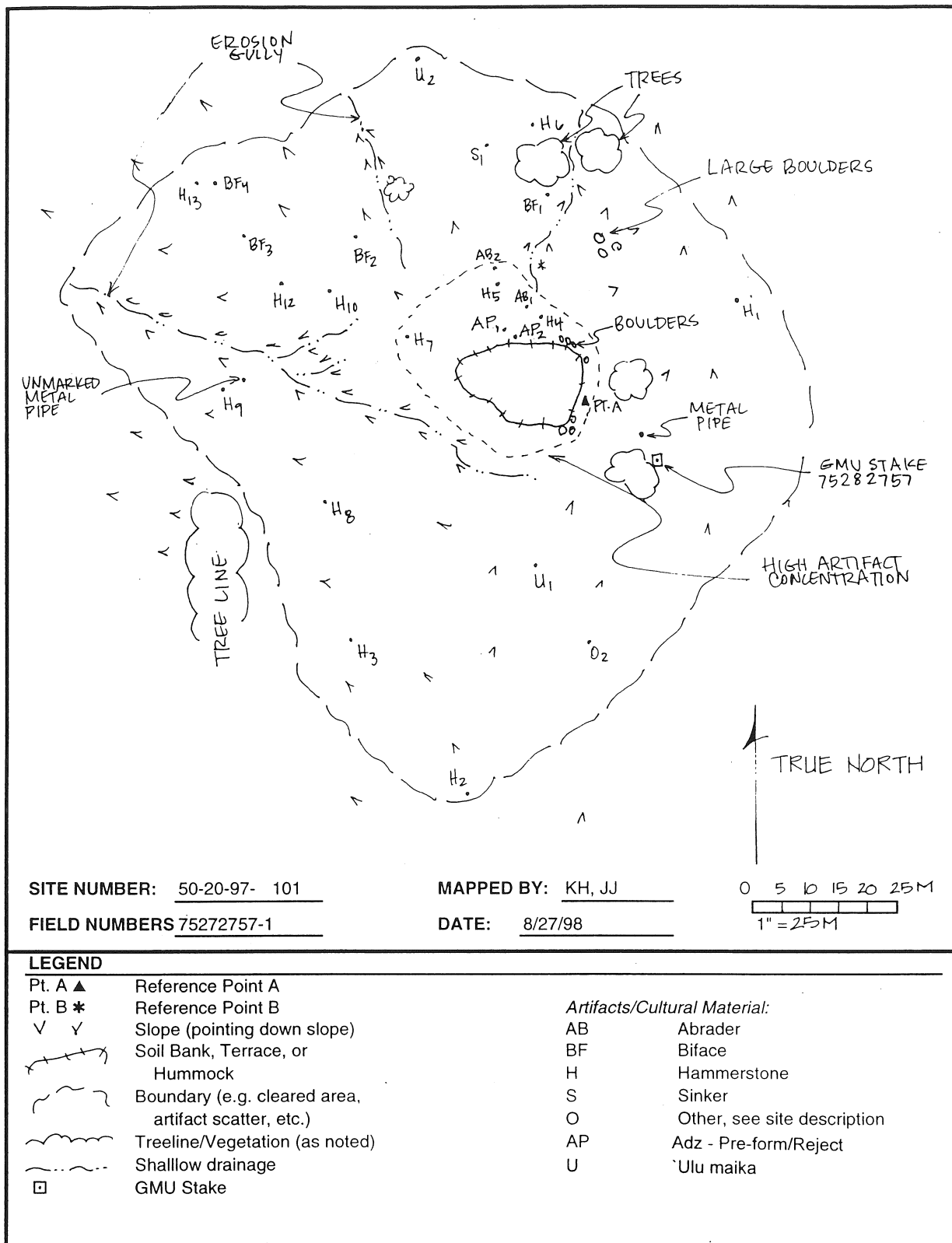
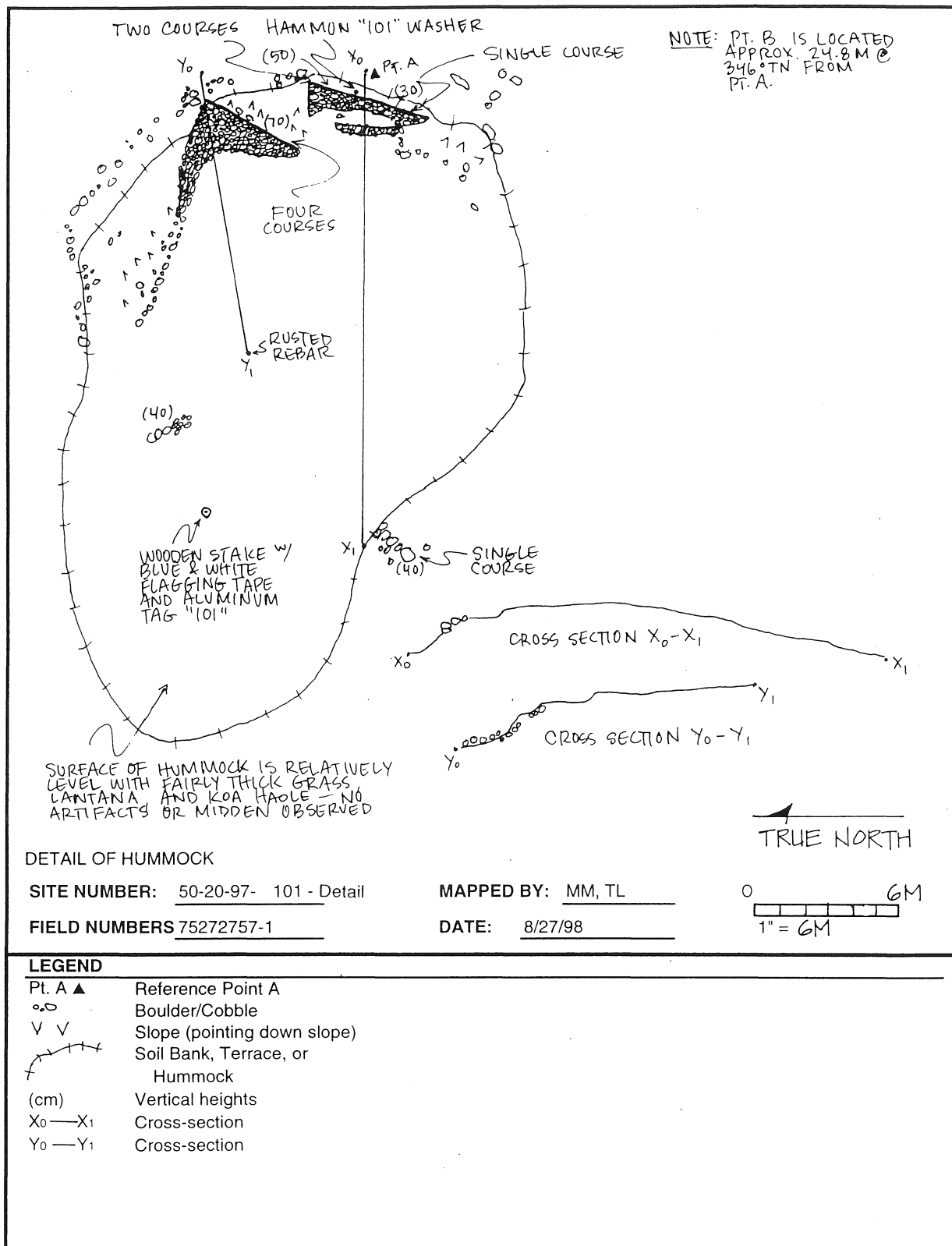


Figure B-2. Site 101, Plan Map of the Hummock Showing Architectural Detail



SITE NUMBER (SIHP): 50-20-97-102	FIELD NO.: 75312756-1
FEATURE: None	GMU: 75312756
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Medium
SITE TYPE: Scatter	SITE DIMENSIONS: 94 m (L) x 36 m (W)
SITE FUNCTION: Habitation, Activity Area	SITE AREA: Approx. 3384 sq. m

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Polished Flakes from Finished Adzes, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

Site Description

This site is still as described by the NRHP Nomination form. The artifact concentration is most dense near the outer edges of the central hummock. Waterworn cobbles are concentrated on the eastern edge of the hummock and can actually be seen in the edge of the hummock. The majority of the coral is also in this same area of the site, suggesting that the site may have had a shrine, as described on the NRHP form. Artifacts recorded at this feature include two adz preform/rejects, one hammerstone, one basalt abrader, and one coral abrader (Figure 3-7; Figure B-3).

SITE NUMBER (SIHP): 50-20-97-103	FIELD NO.: 75242752-3
FEATURE: A	GMU: 75242752
STATUS: Previously Recorded	WORK AREA: K-1 Road
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: High
SITE TYPE: Scatter	SITE DIMENSIONS: 44 m (L) x 38 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 1672 sq. m

MATERIAL CHARACTERISTICS:

Fractured Basalt, Intact Cultural Layer, Volcanic Glass, Basalt Flakes, Marine Midden

Site Description

Site 103 is a complex consisting of six activity area features located on the northern slope of Moa'ulanui. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7). The site sits at an elevation of approximately 430 m, and is within Hommon's Inland Settlement Zone (1980:48). All features of the site were reidentified within the K-1 Road work area with the use of the photogrammetric maps provided by the Navy. The constituent features (A through F) are discussed below.

Feature A Description

The appearance of the hummock and the material contents are consistent with those of the NRHP Nomination form and Neller (1981) descriptions. The rock alignment suggesting the presence of a structure, mentioned by Neller (1981) is still visible in the northwest corner of the Hummock. The NRHP form map was amended to include the new Reference Point markersee and concentrations of artifacts, midden, and coral. The perimeters of the site were extended across K-1 Road to encompass additional cultural materials. One charcoal lens was observed in the north end of the hummock (Figure B-4).

Figure B-3. Site 102, Plan Map

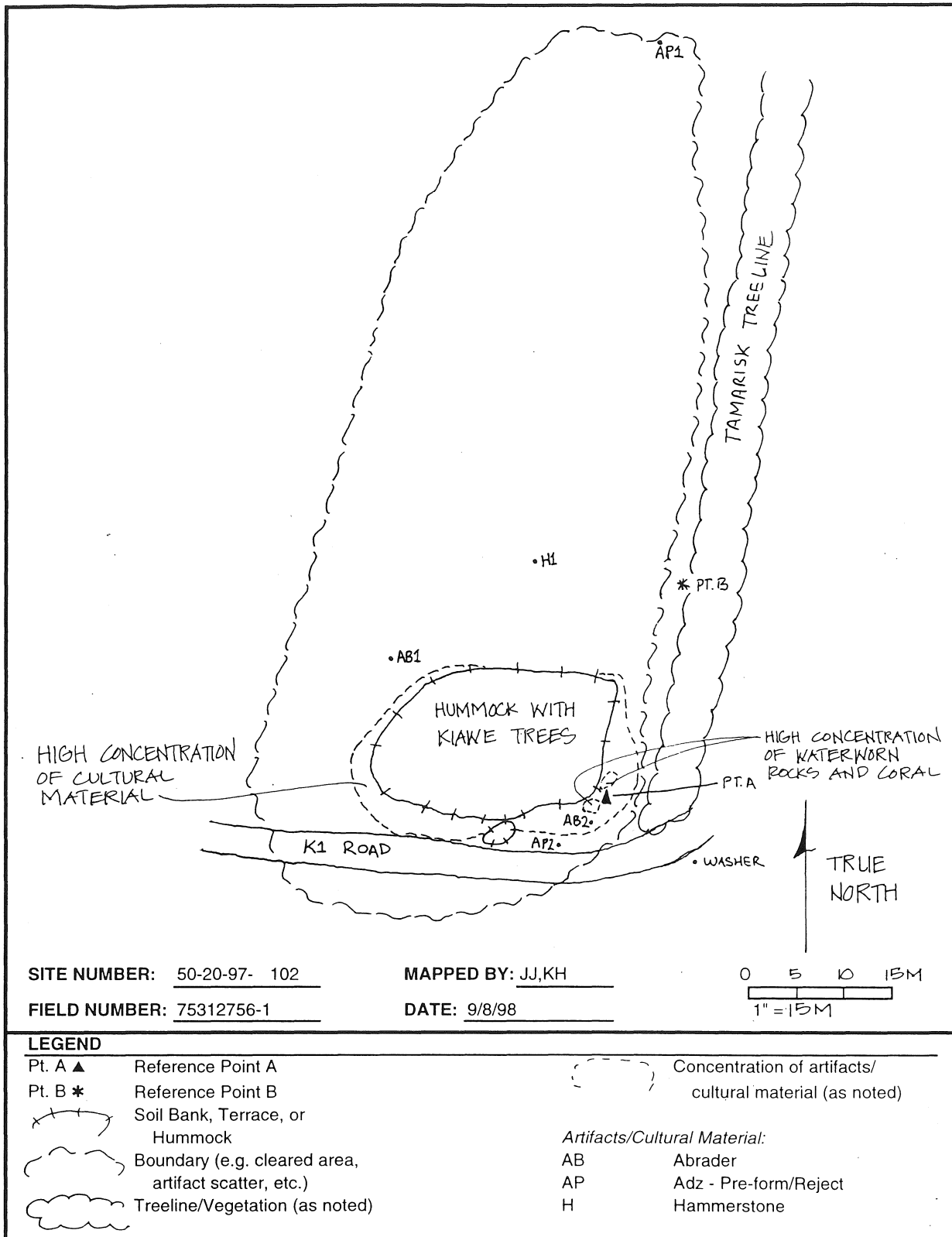
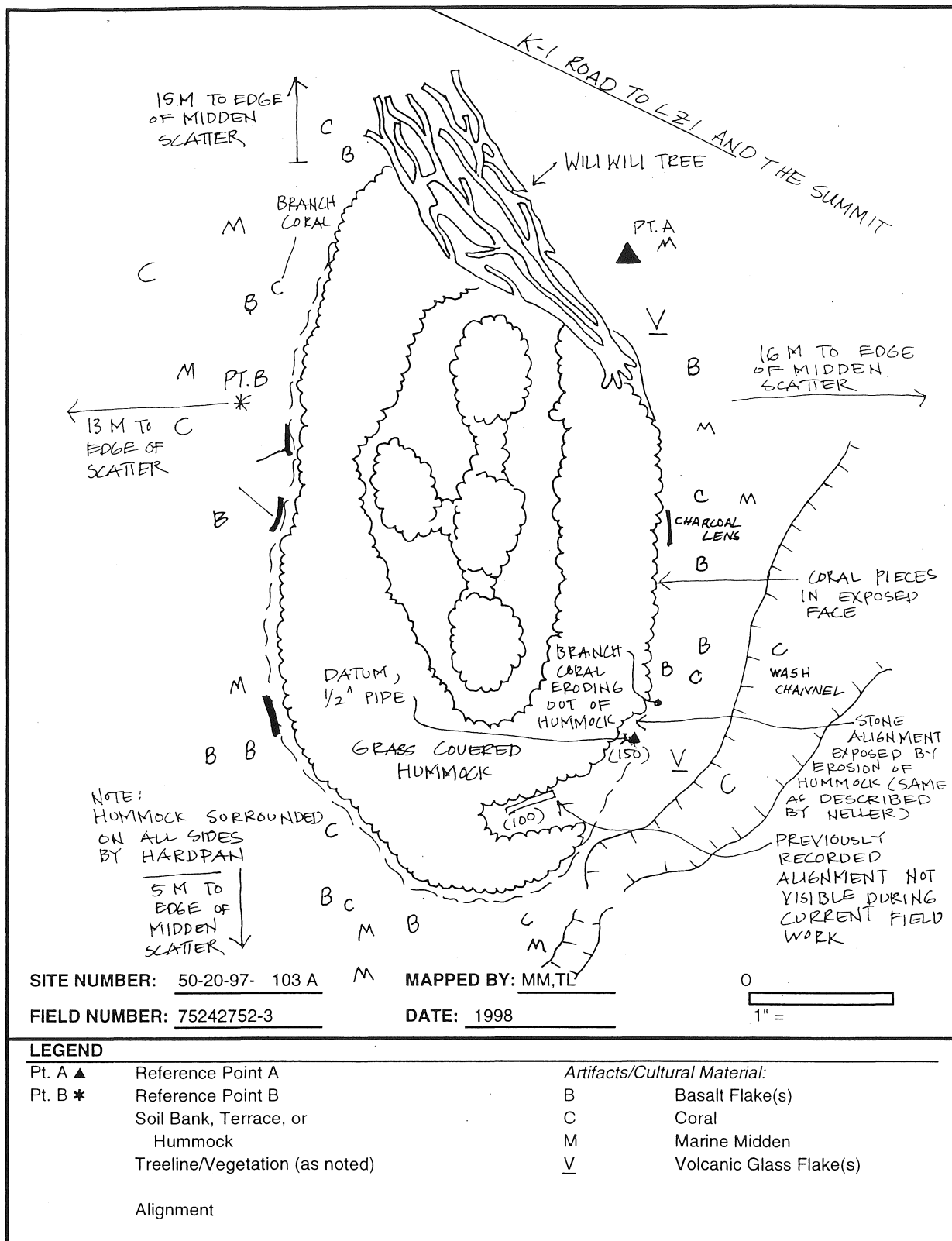


Figure B-4. Site 103, Feature A, Plan Map



SITE NUMBER (SIHP): 50-20-97-103	FIELD NO.: 75252751-1
FEATURE: B	GMU: 75252751
STATUS: Previously Recorded	WORK AREA: K-1 Road
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Medium
SITE TYPE: Scatter	SITE DIMENSIONS: 43 m (L) x 40 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 1720 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Polished Flakes from Finished Adzes, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

Site Description

The cultural material content of this feature is consistent with that of the NRHP description, with the addition of *Thaididae* and *Conus spp.* shell remains, polished adz flakes, one retouched basalt flake, and one basalt biface scraper. Artifacts recorded at this feature include one biface, and one other basalt artifact. The surrounding vegetation has changed since originally recorded, and now consists of a Tamarisk tree-line windbreak, *koa haole*, Lantana, *Kiawe*, and patches of unidentified grass. Goat bones are scattered around site (Figure 3-7; Figure B-5).

SITE NUMBER (SIHP): 50-20-97-103	FIELD NO.: 75252752-1
FEATURE: C	GMU: 75252752
STATUS: Previously Recorded	WORK AREA: K-1 Road
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: High
SITE TYPE: Scatter	SITE DIMENSIONS: 60 m (L) x 25 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 1500 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Finished adz, Volcanic Glass, Basalt Flakes, Marine Midden

Site Description

This feature of Site 103 consists of a scatter of cultural material, including fractured basalt, a high concentration of volcanic glass and basalt flakes, marine midden (*Cypraea* and *Thaididae spp.*), coral (branch and head), one fragment of a finished adz (recorded), and modern trash (green and clear glass). The surrounding vegetation has changed since the original NRHP Nomination form was completed. *Kiawe*, *Koa haole*, Tobacco trees, Lantana, and an Ironwood/Tamarisk tree line currently make up the vegetation in the immediate and surrounding site area (Figure 3-7; Figure B-6).

SITE NUMBER (SIHP): 50-20-97-103	FIELD NO.: 75252752-2
FEATURE: D	GMU: 75252752
STATUS: Previously Recorded	WORK AREA: K-1 Road
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: 11-100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Low
SITE TYPE: Scatter	SITE DIMENSIONS: 22 m (L) x 17 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 374 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

Site Description

This feature of Site 103 appears to be virtually unchanged since the NRHP Nomination form was completed; the cultural material content is entirely consistent with the NRHP description. The surrounding vegetation has changed somewhat and now includes *Kiawe* and grass cover, a Tamarisk tree-line windbreak, Lantana, and *Koa haole* (Figure 3-7; Figure B-6).

Figure B-5. Site 103, Feature B, Plan Map

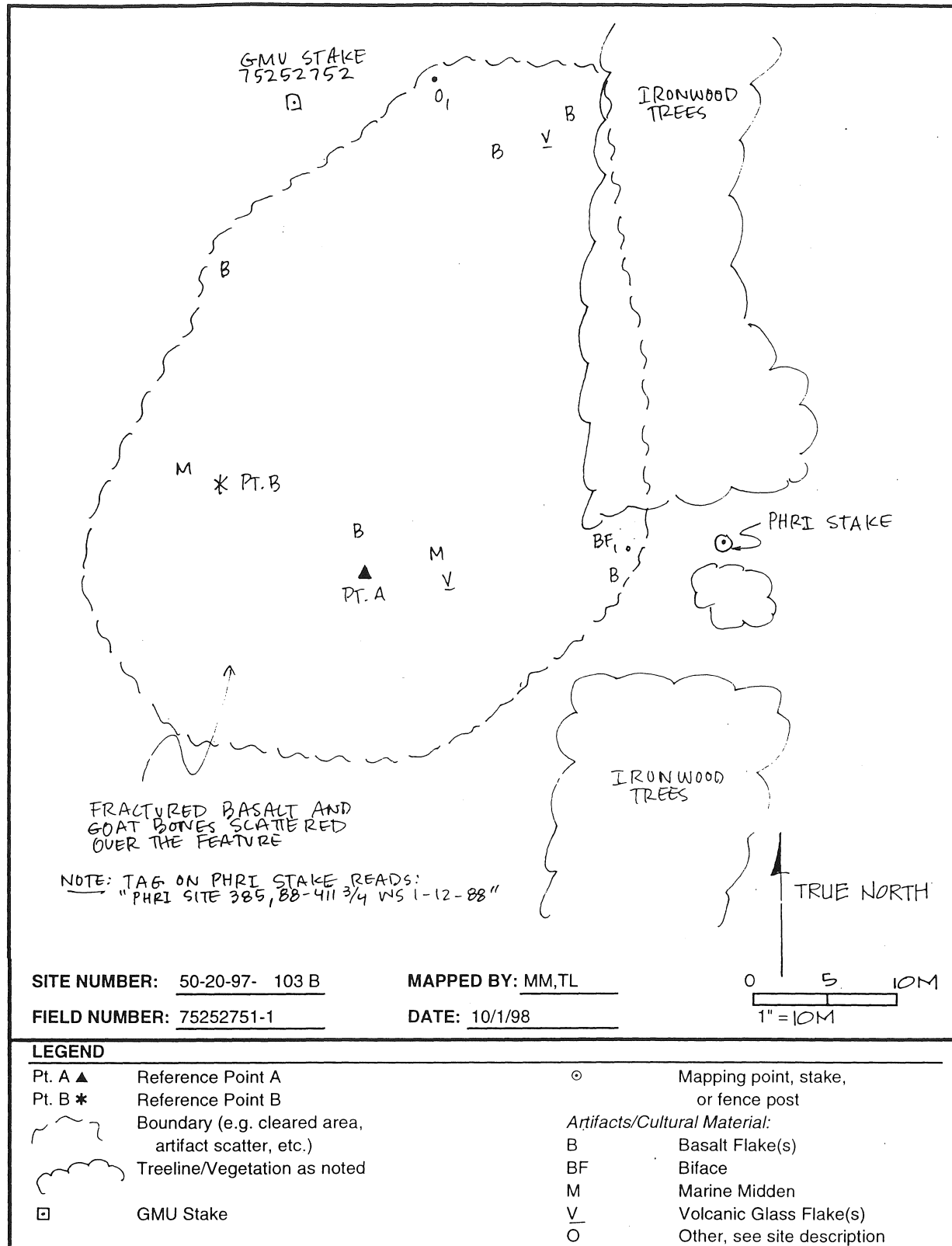
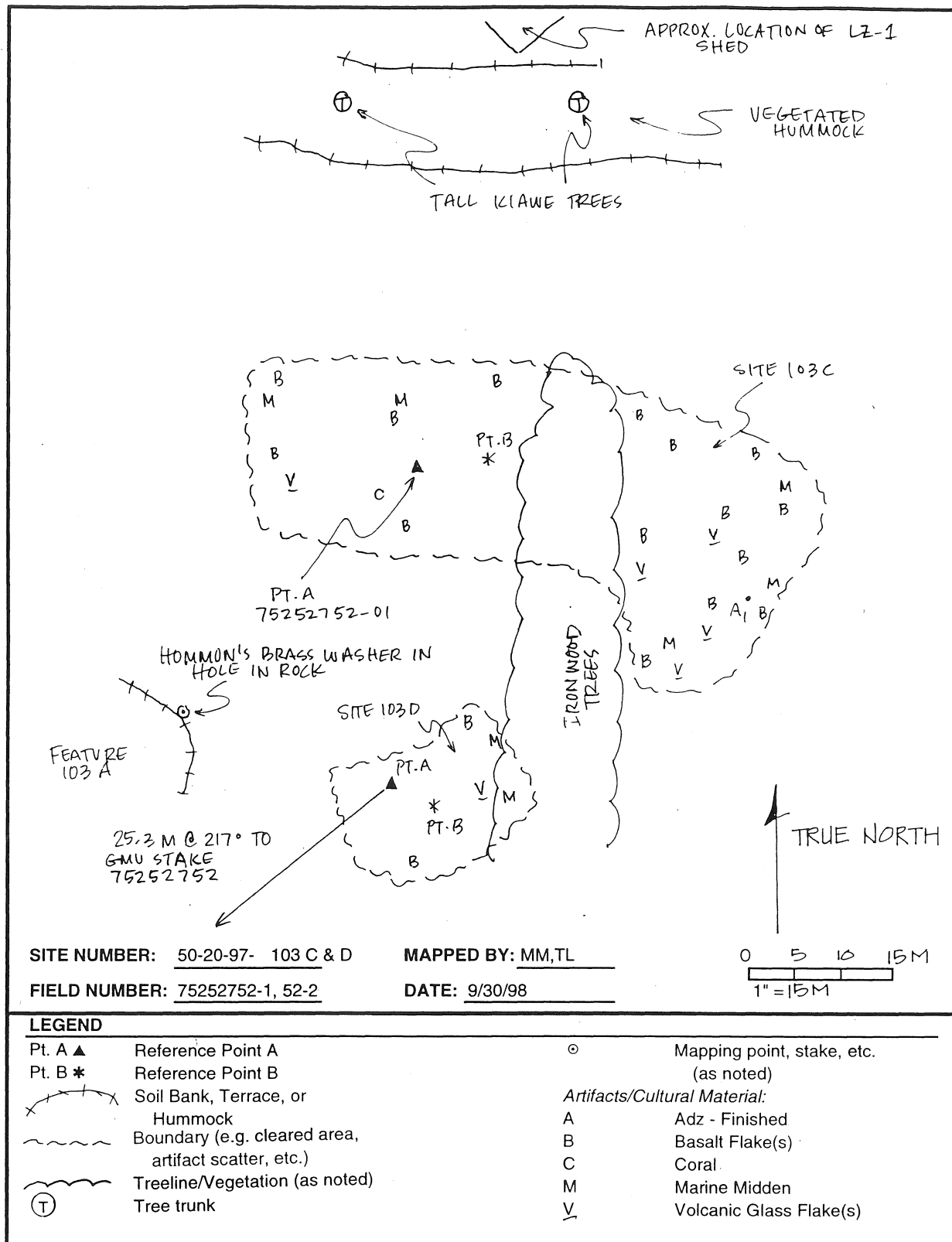


Figure B-6. Site 103, Features C and D, Plan Map



SITE NUMBER (SIHP): 50-20-97-103	FIELD NO.: 75252752-3
FEATURE: E	GMU: 75252752
STATUS: Previously Recorded	WORK AREA: K-1 Road
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: 11-100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Low
SITE TYPE: Scatter	SITE DIMENSIONS: 35 m (L) x 33 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 1155 sq. m
MATERIAL CHARACTERISTICS: Fractured Basalt, Volcanic Glass, Marine Midden	

Site Description

Feature E of Site 103 is a cultural material scatter comprised of basalt flakes, a few marine shell fragments, volcanic glass flakes, and some fractured basalt. This feature of Site 103 appears to be virtually unchanged since the NRHP Nomination form was completed; the cultural material content is entirely consistent with the NRHP description. The scatter is situated on fairly denuded hardpan, which supports low grass, *Koa haole* and Lantana. The northern boundary of the feature is a well-vegetated hummock, covered in *kiawe* and *Koa haole* (Figure 3-7; Figure B-7).

SITE NUMBER (SIHP): 50-20-97-103	FIELD NO.: 75252752-4
FEATURE: F	GMU: 75252752
STATUS: Previously Recorded	WORK AREA: K-1 Road
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: < 10 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Low
SITE TYPE: Scatter	SITE DIMENSIONS: 52 m (L) x 20 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 1040 sq. m
MATERIAL CHARACTERISTICS: Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden	

Site Description

This feature of Site 103 consists of an extremely low-density scatter of a few basalt and volcanic glass flakes, fractured basalt, a small concentration of *Cellana* shell, and three waterworn stones. One basalt scraper was recorded at this feature. The surrounding vegetation has changed since the original NRHP description and now includes *Kiawe*, lantana, and an Ironwood and Tamarisk tree line (Figure B-8).

Figure B-7. Site 103, Feature E, Plan Map

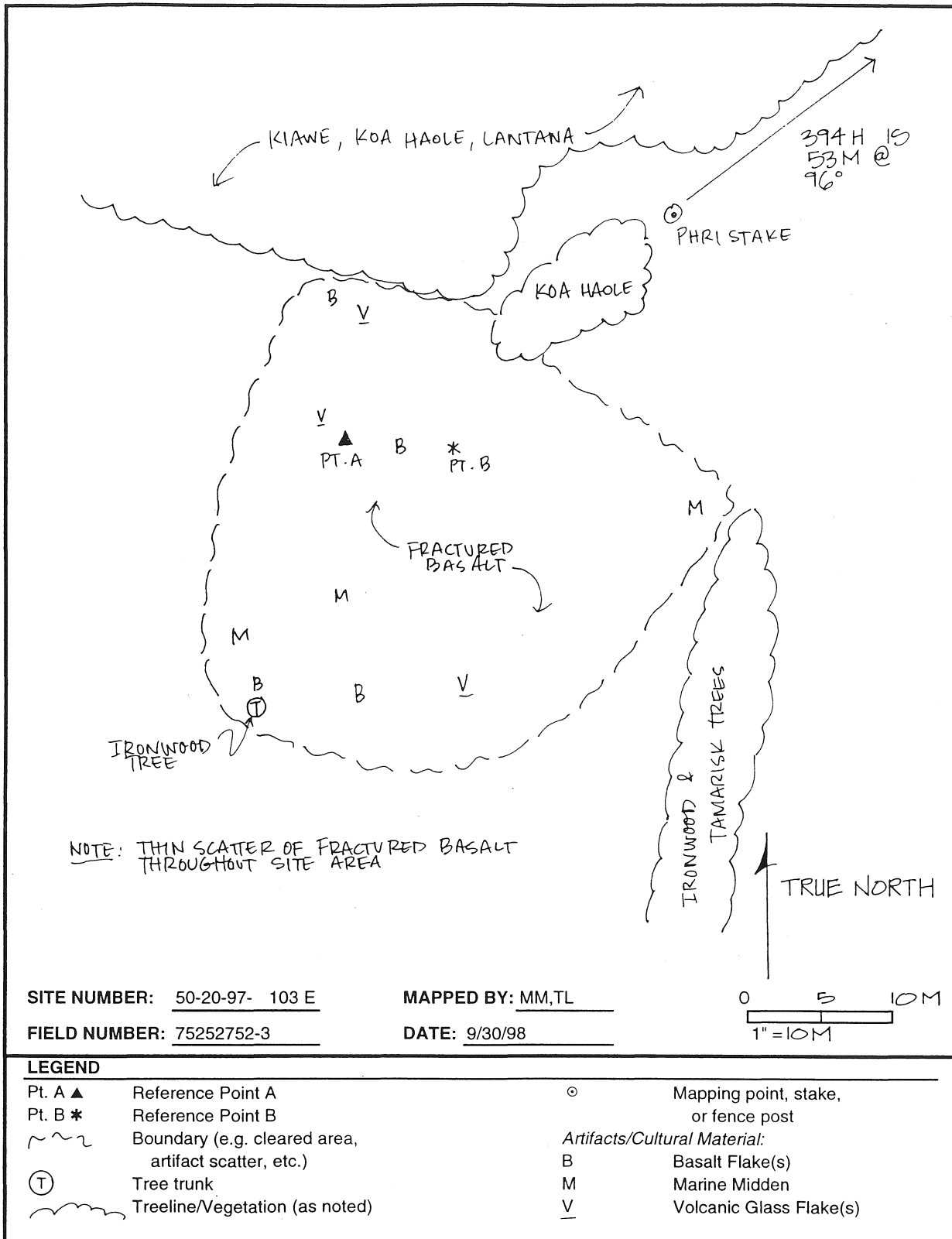
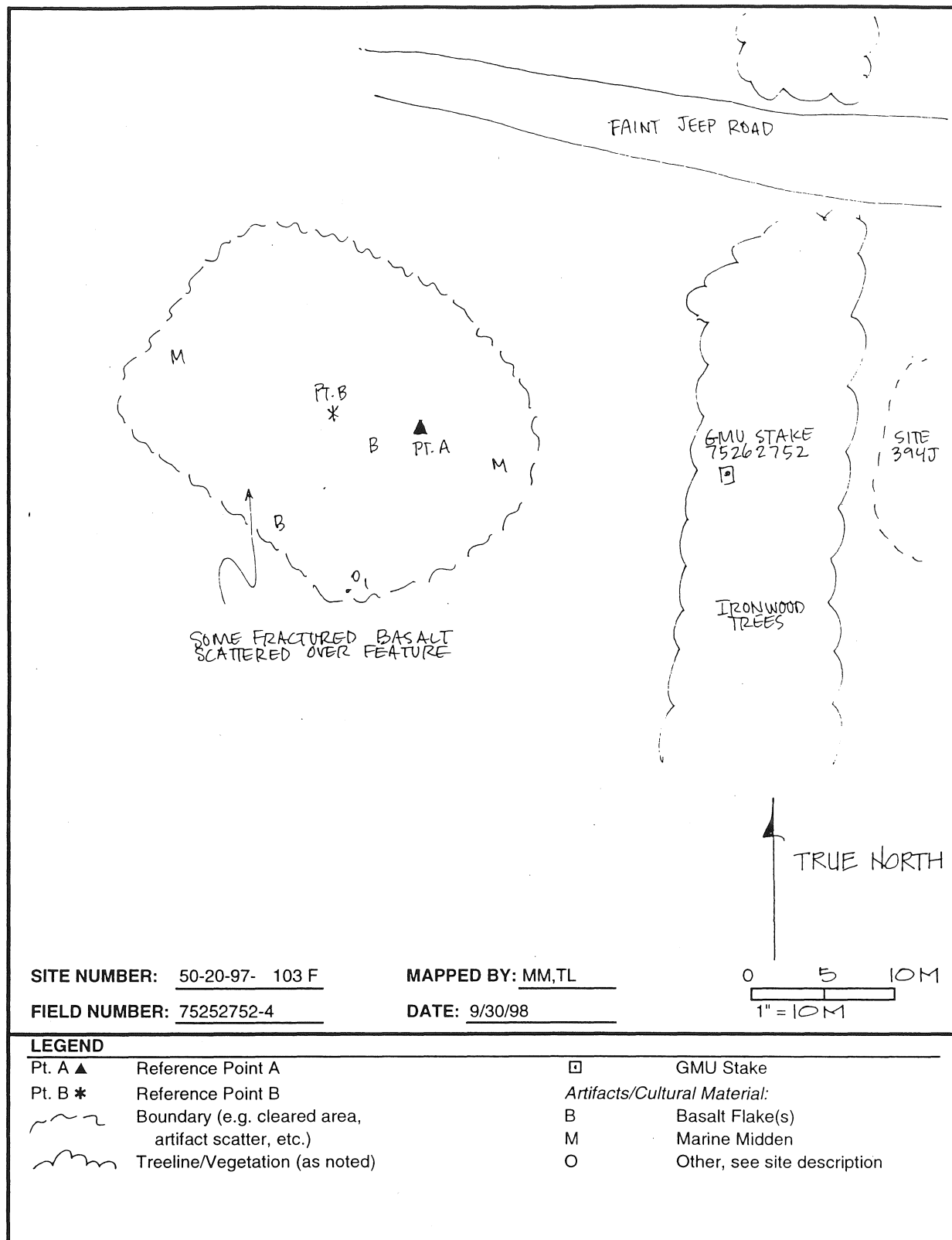


Figure B-8. Site 103, Feature F, Plan Map



SITE NUMBER (SIHP): 50-20-97-104	FIELD NO.: 75292750-2
FEATURE: A	GMU: 75292750
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: High
SITE TYPE: Scatter	SITE DIMENSIONS: 101 m (L) x 60 m (W)
SITE FUNCTION: Habitation, Activity Area	SITE AREA: Approx. 6060 sq. m

MATERIAL CHARACTERISTICS:
Abrader, Fractured Basalt, Polished Flakes from Finished Adzes, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

Site 104 is a complex of 14 activity area features located on the western slope of Moa'ulanui (Figure 3-7). When originally recorded, the site was situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Hommon 1980). Since that time, much of the ground around the features of the site was tilled and seeded with grass as a part of the CERL revegetation prescription Project (see letter dated 13 October 1989 from P.W. Hiller [PACDIV] to William Paty [DLNR]). The grass is now quite successful and thick and appears to have covered Feature N. The site sits at an elevation of approximately 435 m and is within Hommon's Inland Settlement Zone (1980:48). All features of the site, except Feature N, were reidentified within the Lua Makika work area with the use of the photogrammetric maps provided by the Navy. The remaining constituent features (A through M) are discussed below.

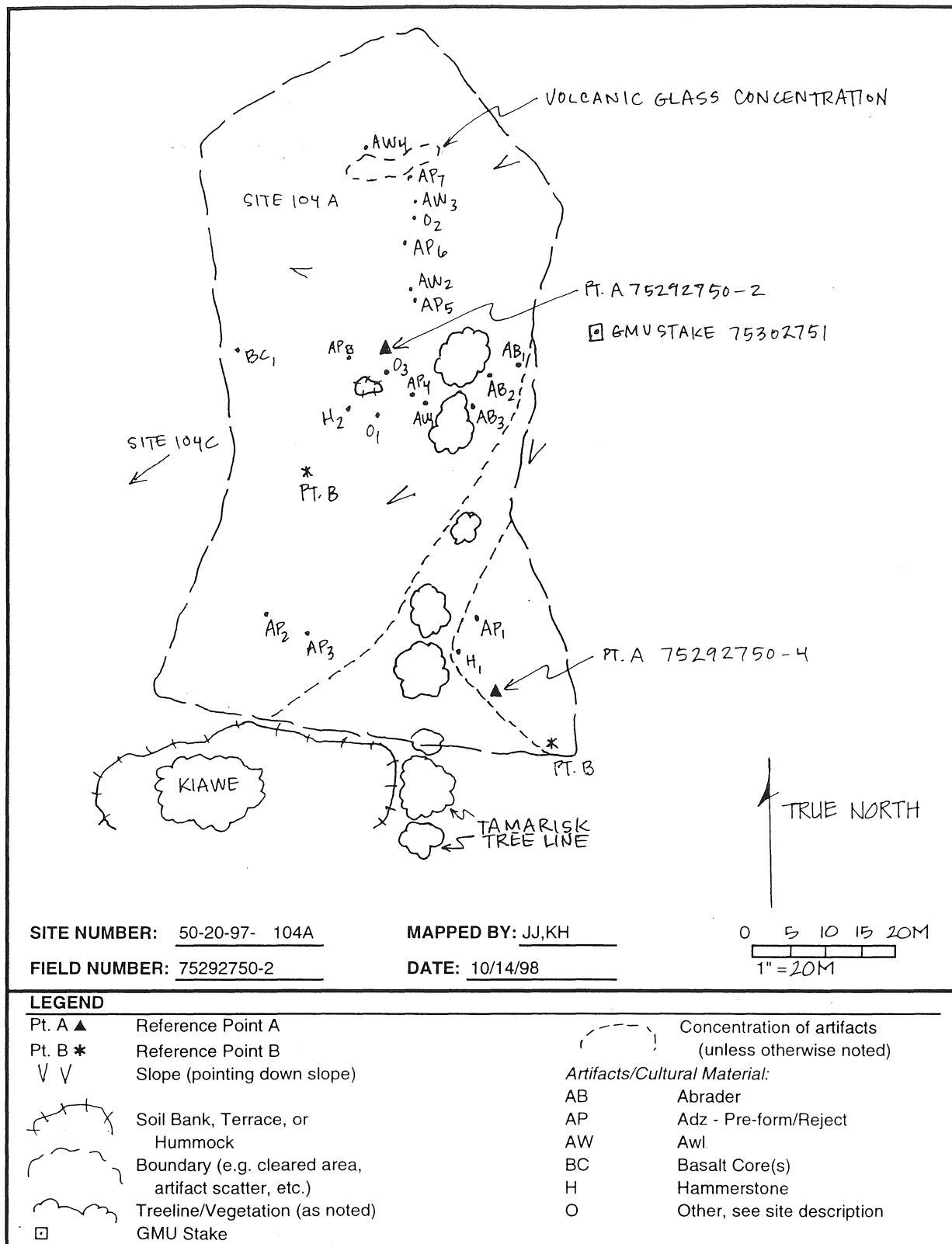
Feature A Description

This feature of Site 104 is essentially as described in the NRHP description, with the addition of the many tools recorded. In the northern portion of the site, there is an area with a very high-density concentration of volcanic glass flakes and cores. Artifacts recorded at this feature include eight adz preform/rejects, two hammerstones, one basalt core, one basalt abrader, two coral abraders, four basalt awls, one scraper, a possible chopping tool, and one basalt scraper (Figure B-9).

There are some areas of this site where the concentration of cultural materials is low-density, though this site has a higher density overall of materials than most other sites in the Lua Makika work area. The presence of the relatively large number and diverse types of tools suggests a wide range of activities were performed at this site. The amount of marine shell midden is not high enough to suggest long-term habitation, nor is there any direct evidence for it. However, the wide range of activities, combined with the generally high-density of the material remains, suggest that this site functioned as some sort of habitation of an indefinite duration.

The site is primarily located on eroded hardpan surface surrounding a small hummock, though about 50% of the ground surface is covered with grass and lantana growing on shallow soils. Cultural materials can be seen in the exposed edges of the small hummock.

Figure B-9: Site 104, Feature A, Plan Map



SITE NUMBER (SIHP): 50-20-97-104	FIELD NO.: 75282750-2
FEATURE: B	GMU: 75282750
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: High
SITE TYPE: Scatter	SITE DIMENSIONS: 33 m (L) x 29 m (W)
SITE FUNCTION: Habitation, Activity Area	SITE AREA: Approx. 957 sq. m

MATERIAL CHARACTERISTICS:
Abrader, Fractured Basalt, Fireplace, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

This feature of Site 104 consists of a scatter of cultural materials surrounding an eroding hummock, as described on the NRHP Form. Artifacts are visible on the hardpan surface, though approximately 30% of the ground surface is covered with grass on shallow soil, and a Tamarisk tree line has been planted through the feature since it was originally described. Of the five firepits observed in the NRHP Nomination form, only one eroding firepit feature in the side of the hummock and one excavated feature were visible, although the majority of the hummock edge is overgrown with grass, making visibility difficult (Figure B-10). Three of the five previously recorded adz preforms were relocated, along with other recorded artifacts, including one hammerstone, three basalt cores, four coral abraders, one biface, and one *`ulu maika*. The number and variety of tool types, in addition to the firepit in the hummock suggest some level of habitation likely took place at this site. Duration of occupation may be inferred to be short by the absence of any direct evidence of a permanent structure.

SITE NUMBER (SIHP): 50-20-97-104	FIELD NO.: 75292750-3
FEATURE: C	GMU: 75292750
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Medium
SITE TYPE: Scatter	SITE DIMENSIONS: 22 m (L) x 13 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 286 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Adz preforms/Rejects, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

This feature of Site 104 consists of a generally medium-density scatter of cultural materials, as described in the NRHP Nomination form description. The density is high at the center of the site, but diminishes to low toward the perimeter of the site. In addition to the materials mentioned on the NRHP form, the site contains volcanic glass flakes, several waterworn cobbles of vesicular basalt, and an adz preform/reject. The preform is constructed of fine-grained basalt, and is broken in two pieces that were found approximately 15 m. apart. The site is situated on hardpan, with approximately 40% of the site area covered with grass growing on shallow soils (Figure B-11).

Figure B-10. Site 104, Feature B, Plan Map

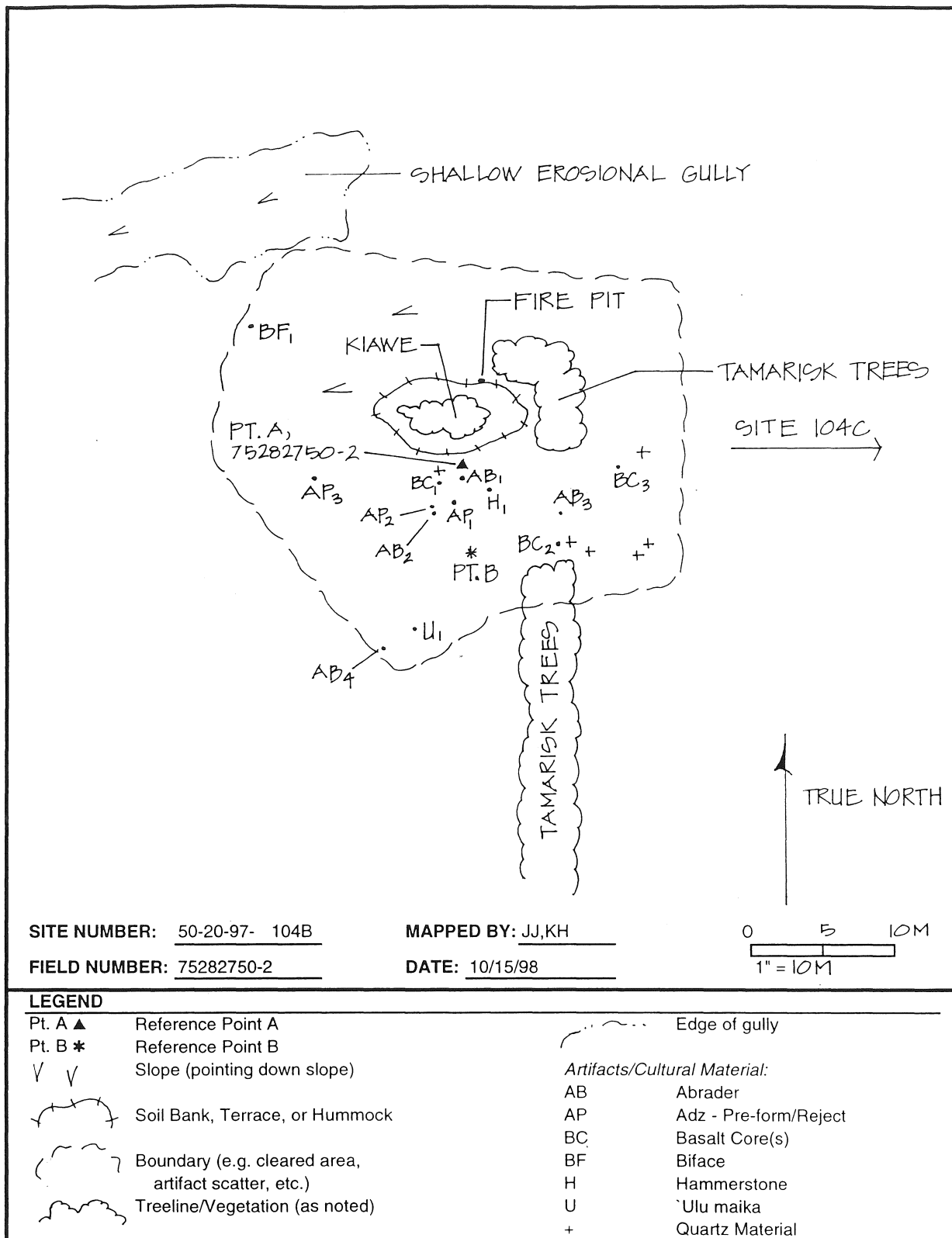
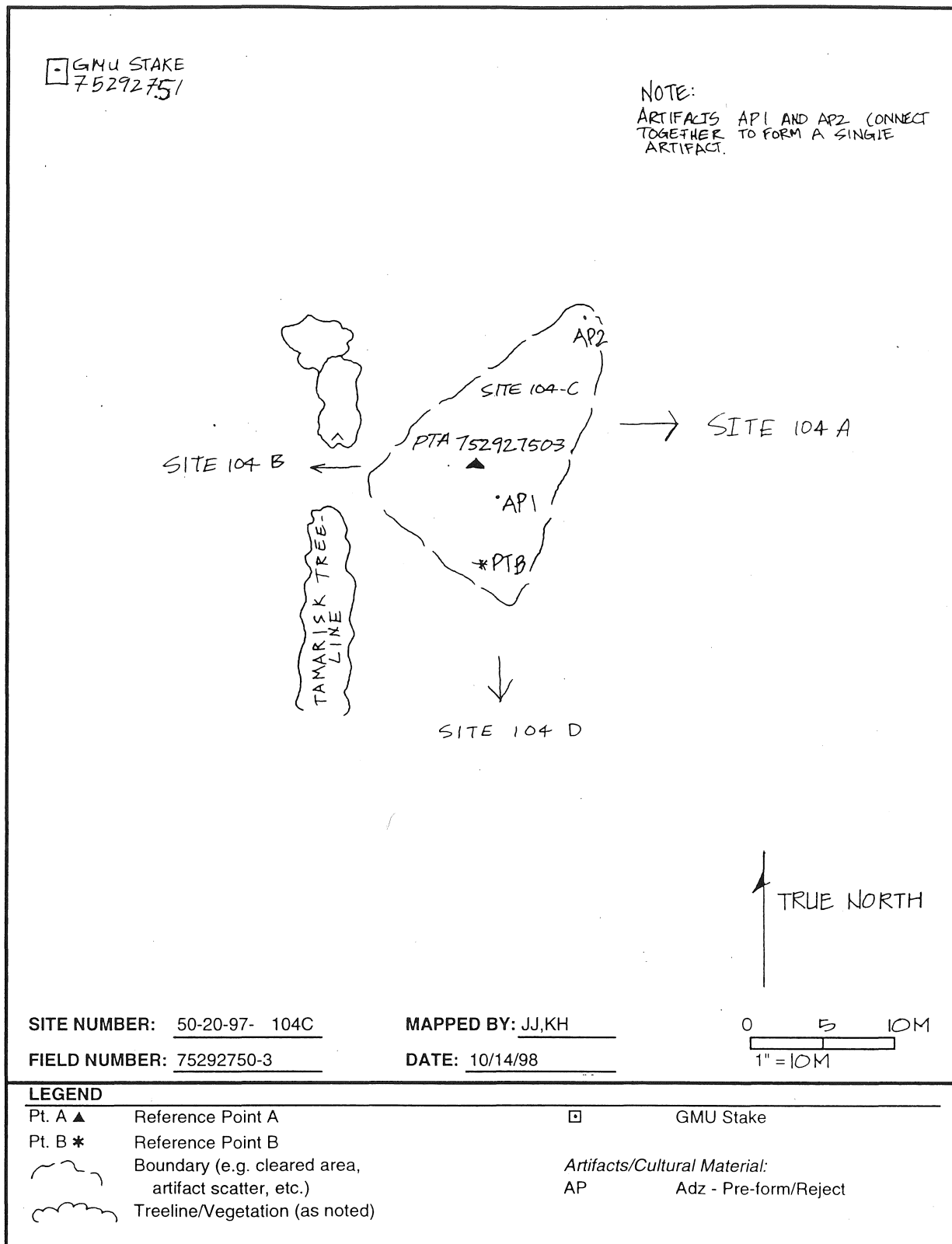


Figure B-11. Site 104, Feature C, Plan Map



SITE NUMBER (SIHP): 50-20-97-104	FIELD NO.: 75292750-1
FEATURE: D	GMU: 75292750
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Medium
SITE TYPE: Scatter	SITE DIMENSIONS: 32 m (L) x 20 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 640 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

This feature of Site 104 consists of a scatter of cultural materials listed in the NRHP description, with the exception of the hammerstone that was not relocated. Artifacts recorded at this feature include one adz preform/reject, and one basalt awl. The scatter is generally medium density, diminishing to low toward the perimeter. The site is situated to the northwest of a grass-covered hummock with a *kiawe* tree. Cultural materials are visible on the eroded hardpan surface, with about 30% of the site covered with grass on shallow, possibly remnant, soils (Figure B-12).

SITE NUMBER (SIHP): 50-20-97-104	FIELD NO.: 75292749-1
FEATURE: E	GMU: 75292749
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Medium
SITE TYPE: Scatter	SITE DIMENSIONS: 75 m (L) x 67 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 5025 sq. m

MATERIAL CHARACTERISTICS:
Abrader, Fractured Basalt, Finished adz, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

This feature of Site 104 consists of a large low- to high-density scatter of cultural materials listed in the NRHP description, except that the basalt pebble hammerstone was not relocated. However, additional tools were located that were not originally noted. Artifacts recorded at this feature include one adz, seven adz preform/rejects, three coral abraders, one basalt awl, and one biface. The artifact scatter density is high in two central areas of the feature and diminishes toward the perimeter. Cultural materials are visible on the eroded hardpan surface of the site. About 30% of the site is covered with grass on shallow soil. There is a tamarisk tree-line windbreak that was planted through the middle of the scatter (Figure B-13).

Figure B-12. Site 104, Feature D, Plan Map

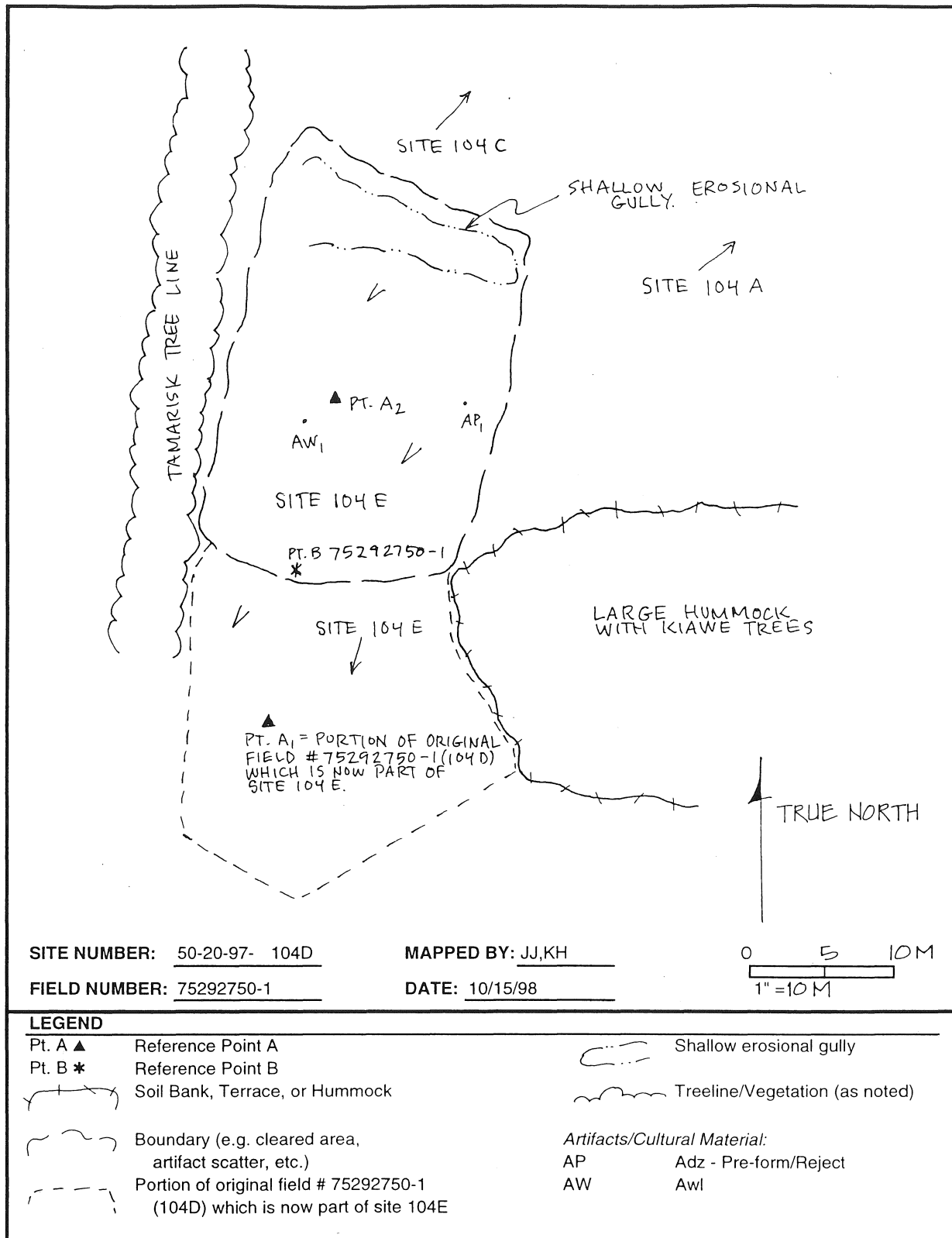
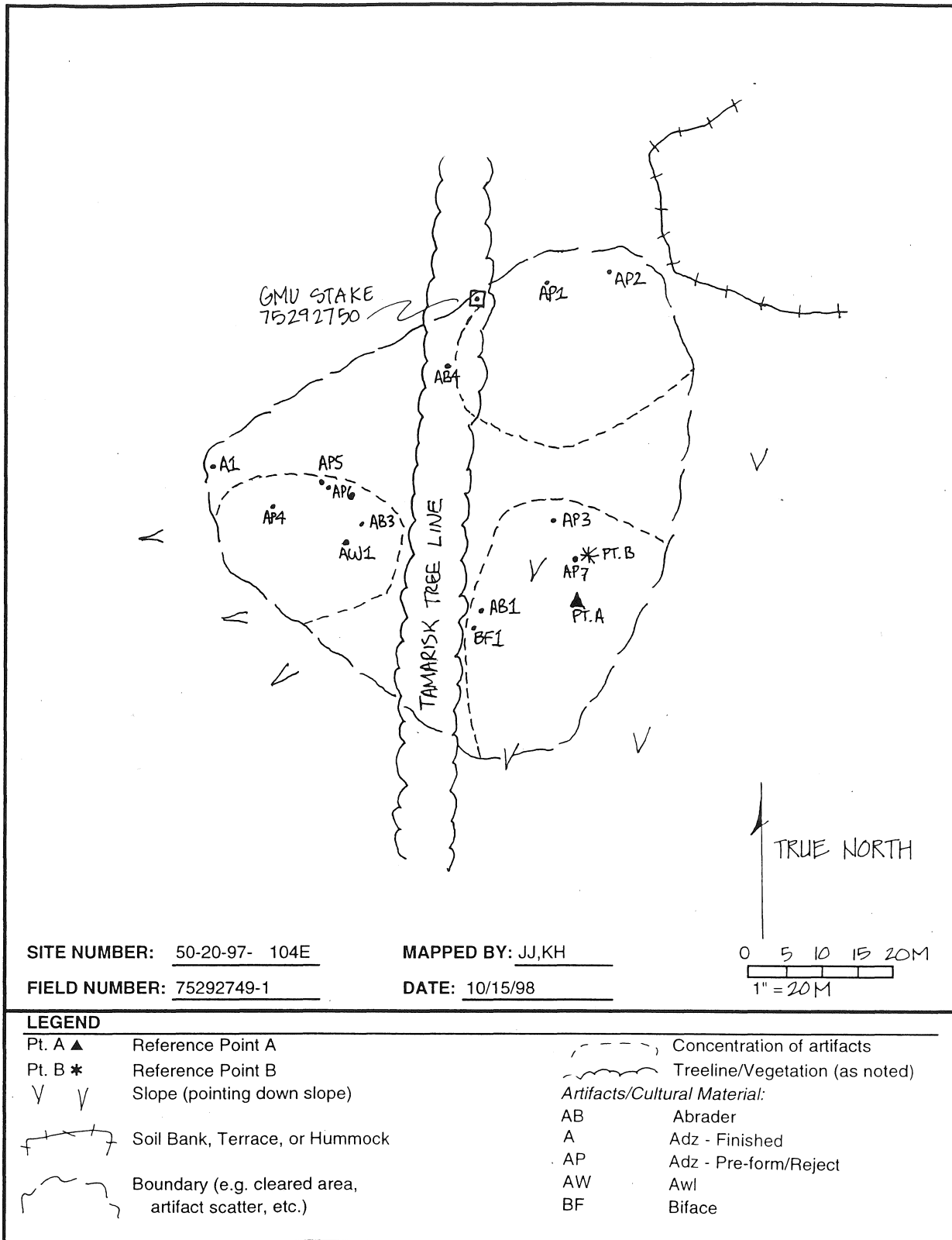


Figure B-13. Site 104, Feature E, Plan Map



SITE NUMBER (SIHP): 50-20-97-104	FIELD NO.: 75282749-3
FEATURE: F	GMU: 75282749
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: High
SITE TYPE: Scatter	SITE DIMENSIONS: 41 m (L) x 38 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 1558 sq. m

MATERIAL CHARACTERISTICS:
Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

This feature of Site 104 consists of a low- to high-density scatter of cultural materials listed in the NRHP description. Scatter density ranges from high near the center of the site, to relatively low toward the perimeter. There are several waterworn vesicular basalt cobbles at this site that are oval-shaped and approximately 5 cm in length. Artifacts recorded at this feature include three adz preform/rejects, one hammerstone, one basalt core, two coral abraders, one basalt awl, and one basalt scraper. The two coral abraders conjoin to make one tool, though the two pieces appear to have been used after breaking, based on the apparent wear of the working edges. The site is situated on the edge of an erosive gully that is relatively broad, with gently sloping sides. A tamarisk tree-line windbreak goes through the western end of the site, though there are only a couple of trees in the site. Cultural materials are visible on the eroded hardpan surface, some of which are in shallow erosive channels. Approximately 15% of the site area is covered with grass on shallow soils (Figure B-14).

SITE NUMBER (SIHP): 50-20-97-104	FIELD NO.: 75282750-3
FEATURE: G	GMU: 75282750
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Medium
SITE TYPE: Scatter	SITE DIMENSIONS: 30 m (L) x 25 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 750 sq. m

MATERIAL CHARACTERISTICS:
Abrader, Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

This feature of Site 104 consists of a low- to medium-density scatter of cultural materials listed in the NRHP description, with the addition the recorded coral file and basalt biface. Cultural materials are distributed fairly evenly across the site, though the scatter is low-density toward the perimeter. The western boundary nearly abuts the boundary of feature F of Site 104, and in fact a very low-density scatter connects the two features (Figure B-15). Cultural materials are visible on the eroded hardpan surface of the site, and about 20% to 25% of the site ground surface is covered with grass on shallow soils.

SITE NUMBER: 50-20-97- 104F

FIELD NUMBER: 75282749-3

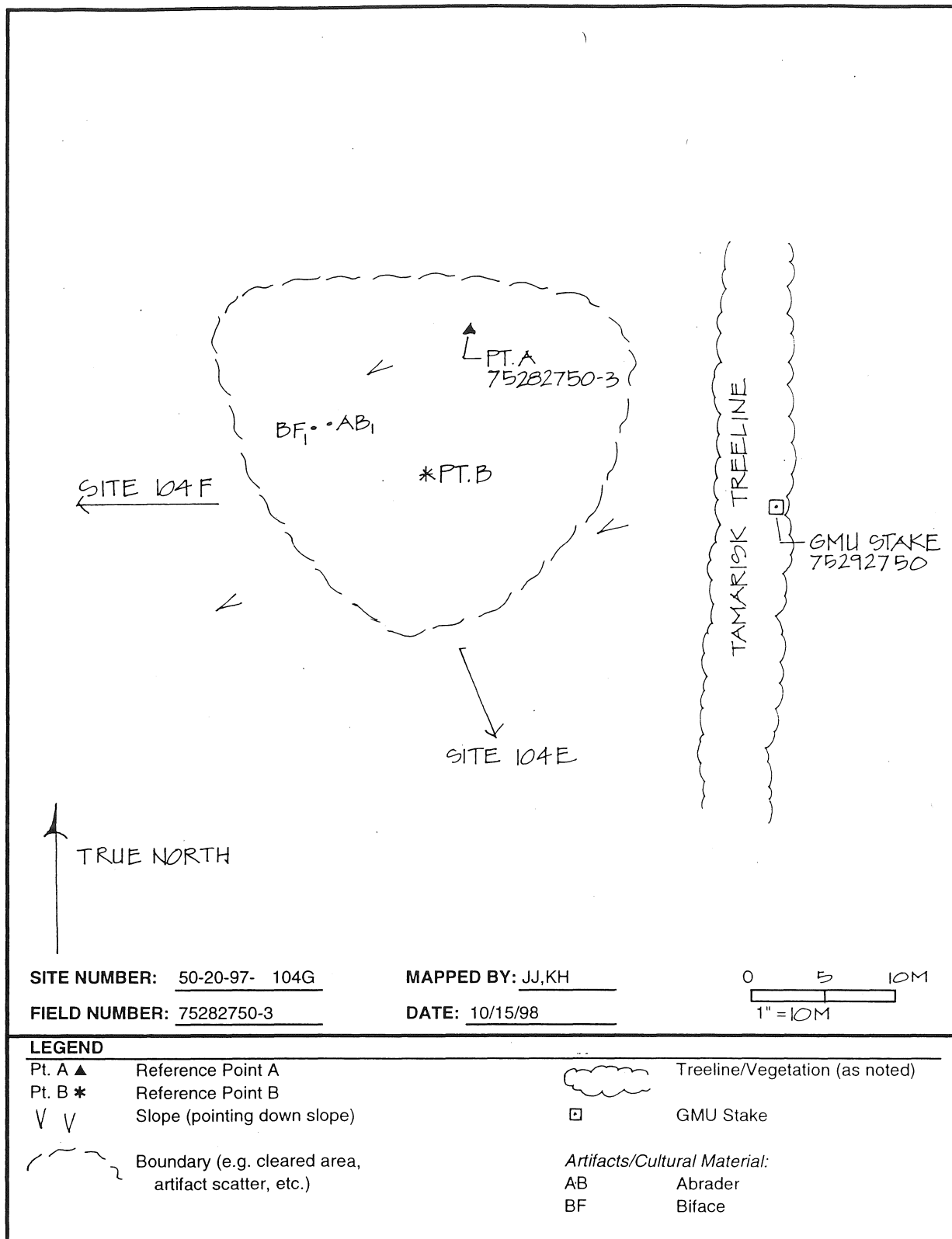
MAPPED BY: JJ,KH

DATE: 10/19/98

LEGEND

Pt. A ▲	Reference Point A	Artifacts/Cultural Material:	
Pt. B *	Reference Point B	AB	Abrader
V V	Slope (pointing down slope)	AP	Adz - Pre-form/Reject
(dashed line)	Boundary (e.g. cleared area, artifact scatter, etc.)	AW	Awl
(cloud shape)	Treeline/Vegetation (as noted)	BC	Basalt Core(s)
□	GMU Stake	H	Hammerstone
		O	Other, see site description

Figure B-15. Site 104, Feature G, Plan Map



SITE NUMBER (SIHP): 50-20-97-104	FIELD NO.: 75282750-1
FEATURE: H	GMU: 75282750
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: High
SITE TYPE: Scatter	SITE DIMENSIONS: 48 m (L) x 45 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 2160 sq. m

MATERIAL CHARACTERISTICS:
Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

This feature of Site 104 consists of a low- to high-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of more stone tools than the ones specifically mentioned in the NRHP form. Artifacts recorded at this feature include three adz preform/rejects, one hammerstone, two basalt cores, one basalt and one coral abrader, two basalt awls, and one basalt scraper.

The scatter density ranges from high in places near the center of the site, to low toward the northern, southern, and eastern perimeters. The western edge of the site is at a tamarisk tree-line windbreak, down-slope, where artifact density remained relatively high. As observed at other features of Site 104, there are several small waterworn cobbles of very vesicular basalt, which are oval-shaped and between 5 to 7 cm in length. One appears to have been used as an abrader at one end. The site is situated on the east edge of the upper portion of an erosive gully (next to Site 104-F). The site slopes to the west, and some cultural materials are concentrated in shallow erosion channels. Cultural materials are visible on the eroded hardpan or lateritic soil surface, and about 40 % of the site area is covered with grass and some lantana growing on shallow soils (Figure B-16).

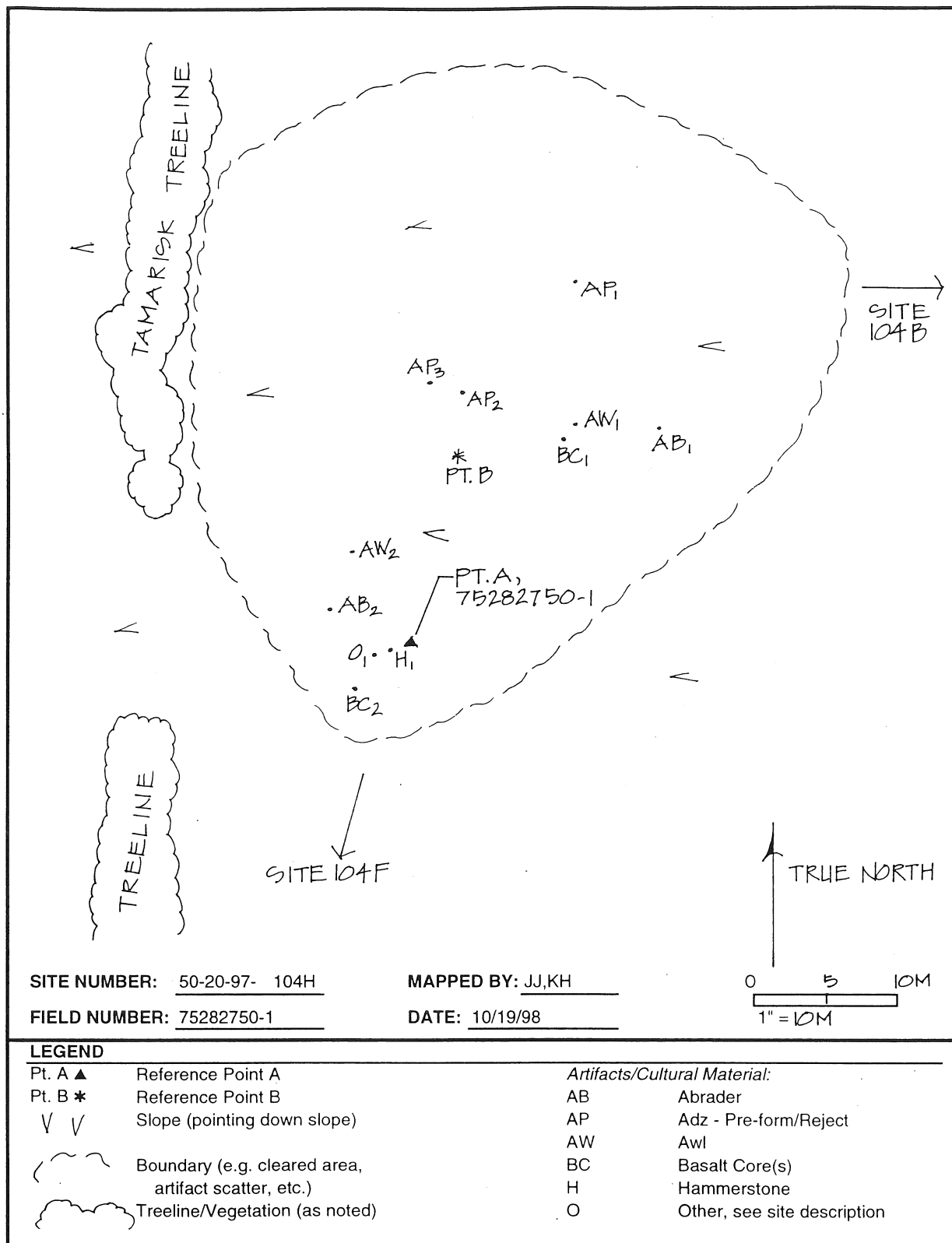
SITE NUMBER (SIHP): 50-20-97-104	FIELD NO.: 75282751-1
FEATURE: I	GMU: 75282751
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: 11-100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Low
SITE TYPE: Scatter	SITE DIMENSIONS: 20 m (L) x 10 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 200 sq. m

MATERIAL CHARACTERISTICS:
Abrader, Fractured Basalt, Finished Adz, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

Site Description

This feature of Site 104 consists of a generally medium- to low-density scatter of cultural materials listed in the NRHP description, with the addition of the recorded artifacts, including one adz preform/reject, one basalt core, and one coral abrader. Manufacturing debris flakes and cores of volcanic glass are the most abundant artifact type at this site. There are a couple of sharply cut, shallow erosion channels in this site and a larger one that separates this site from 104-B. Cultural materials are visible on the eroded hardpan surface, and the site is surrounded by grass growing on shallow soils (Figure B-17).

Figure B-16. Site 104, Feature H, Plan Map



SITE NUMBER: 50-20-97- 1041
FIELD NUMBER: 75282751-1

MAPPED BY: JJ,KH
DATE: 10/19/98

LEGEND

Pt. A ▲	Reference Point A	Edge of gully
Pt. B *	Reference Point B	<i>Artifacts/Cultural Material:</i>
∇ ∇	Slope (pointing down slope)	AB Abrader
~~~~~	Boundary (e.g. cleared area, artifact scatter, etc.)	A Adz - Finished
		BC Basalt Core(s)

0 5 10M  
1" = 10M

TRUE NORTH



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<b>SITE NUMBER (SIHP):</b> 50-20-97-104	<b>FIELD NO.:</b> 75282751-2
<b>FEATURE:</b> J	<b>GMU:</b> 75282751
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 15 m (L) x 10 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 150 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 104 consists of a low-density scatter of cultural materials, as described in the NRHP Nomination form description. The site is situated between features I and K of Site 104 (Figure B-18). Cultural materials are visible on the eroded hardpan surface that is surrounded by grass growing on shallow soils.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-104	<b>FIELD NO.:</b> 75292751-1
<b>FEATURE:</b> K	<b>GMU:</b> 75292751
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 10 m (L) x 9 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 90 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

This site consists of a low- to medium-density scatter of fractured basalt, basalt and volcanic glass flakes, and a few marine shell fragments. Shell species include *Cypraea* and *Cellana spp.* Cultural materials are visible on the eroded hardpan surface that is surrounded by a thick cover of grass and vine growing on shallow soil. This site is situated immediately south of feature L of Site 104, near to the large hummock that runs mostly east to west from the helicopter landing pad (LZ-1) to the rim of the Moa'ulanui crater (Figure B-19).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-104	<b>FIELD NO.:</b> 75292751-2
<b>FEATURE:</b> L	<b>GMU:</b> 75292751
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 19 m (L) x 10 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 190 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 104 consists of a low- to high-density scatter of fractured basalt, manufacturing debris flakes of basalt and volcanic glass, and one piece of marine shell of an unidentified species. Cultural materials are visible on the eroded hardpan surface that is surrounded by grass and thick vines growing on shallow soils. This site is situated approximately 10 m south of a large hummock that extends mostly east to west from the helicopter landing pad (LZ-1) to the rim of the Moa'ulanui crater (Figure B-20).

Figure B-18. Site 104, Feature J, Plan Map

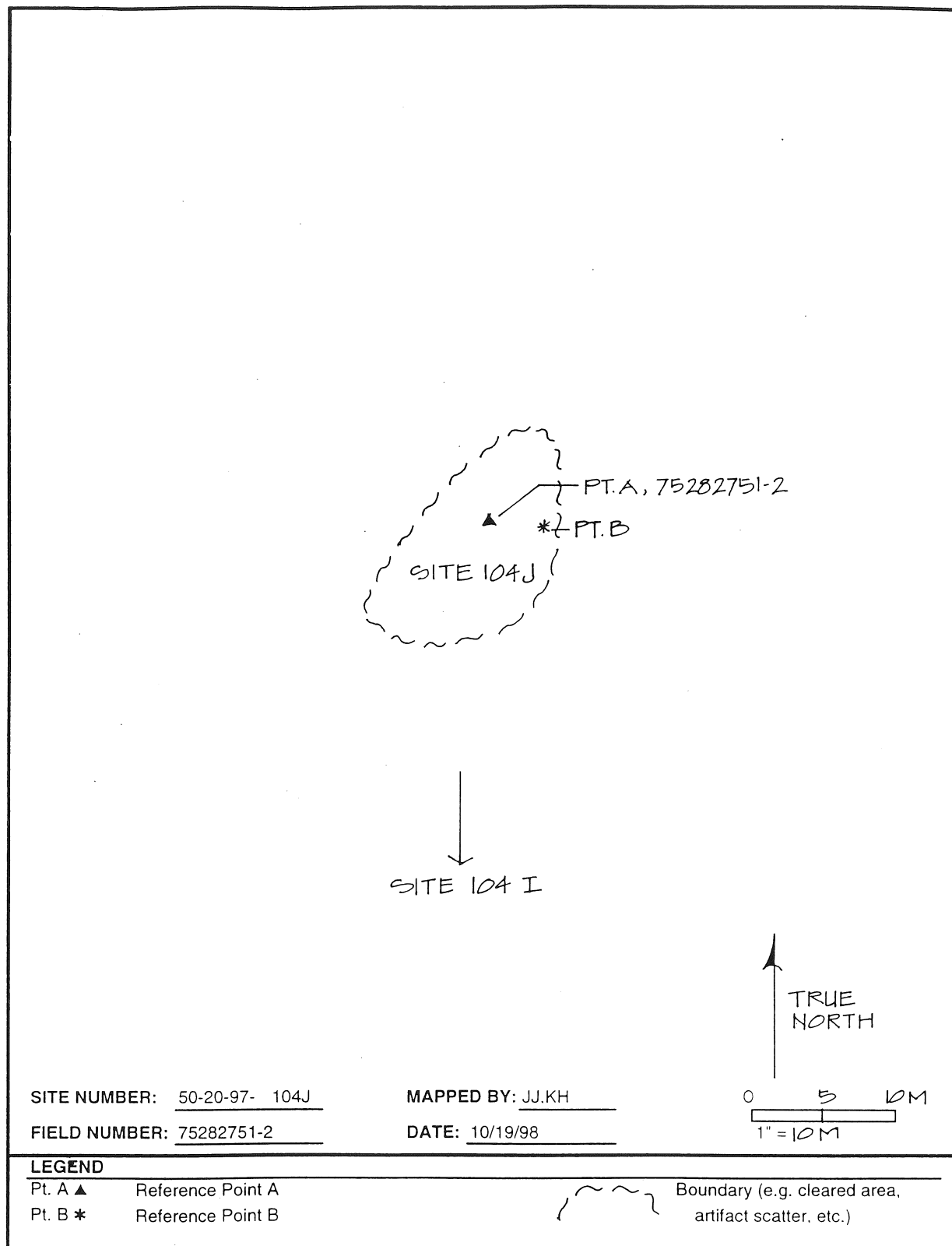


Figure B-19. Site 104, Feature K, Plan Map

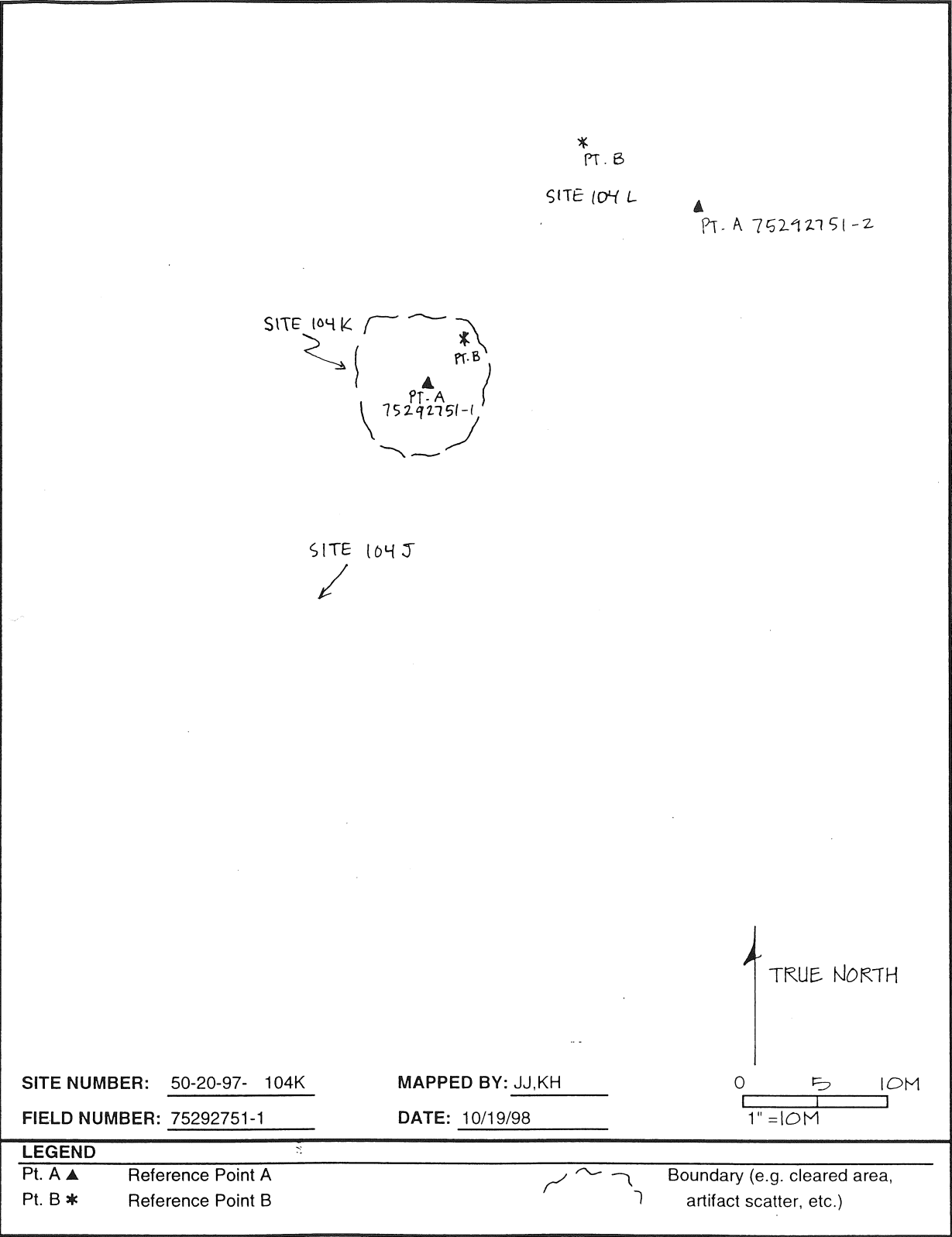
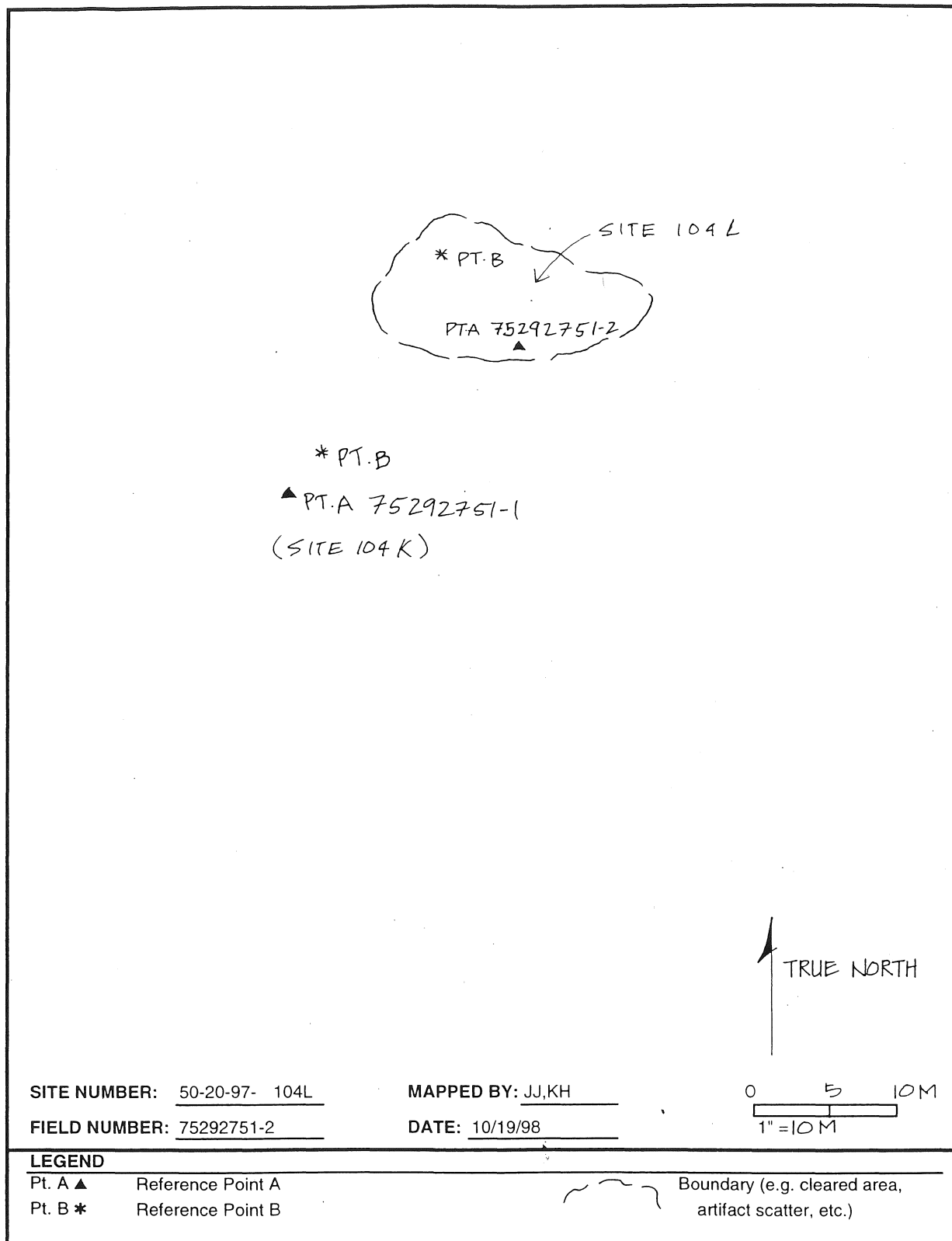


Figure B-20. Site 104, Feature L, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-104	<b>FIELD NO.:</b> 75302751-1
<b>FEATURE:</b> M	<b>GMU:</b> 75302751
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 87 m (L) x 67 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 5829 sq. m

**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Polished Flakes from Finished Adzes, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

#### Site Description

The NRHP Nomination form description is generally correct and accurate, except the artifact scatter is now quite a bit larger than previously identified. The site is situated outside the Moa`ulanui Crater, on the western slope. It is also adjacent (south) to a long E-W oriented hummock. The density of the cultural materials is generally medium to low, though there are a few locations where volcanic glass flakes are densely scattered in areas of about 2 x 2 m. Shell remains are not in high quantity, though there are a few shell fragments of a very large unidentified invertebrate. A small Lei Palaoa was discovered. It is constructed of a thin, banded translucent lithic material, with cortex on both sides, and looks like chalcedony (Figure B-21 ).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-108	<b>FIELD NO.:</b> 75012734-2
<b>FEATURE:</b> C	<b>GMU:</b> 75012734
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Intermediate, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 33 m (L) x 30 m (W)
<b>SITE FUNCTION:</b> Quarry	<b>SITE AREA:</b> Approx. 990 sq. m

**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Intact Cultural Layer, Basalt Artifacts, Lithic Raw Material Source, Basalt Flakes

#### Site 108 Description

Site 108 is a complex of eight tool-quality basalt quarry features designated as Features A-H. The site is described as an ancient Hawaiian adz quarry on the NRHP Nomination Form, and included only features A-F. The quarry complex was resurveyed in 1992 (McCoy *et al.* 1993), and feature G was then identified and recorded. Feature H was added to the quarry complex by Cultural Surveys Hawaii during the UXO Model Clearance Project (Hammatt *et al.* 1996). The features are distributed on the north peak and east-trending spur of Pu`umo`iwi, a cinder cone on the southwest rift of Kaho'olawe Island. The site sits at an elevation of approximately 340 m and is within Hommon's Intermediate zone (1980:48). Features C, D, and H are in the K-1 Road project area (Figure 3-5a).

#### Feature C Description

Feature C of Site 108 consists of many large basalt cores (from 30 x 20 cm to 10 x 5 cm), large basalt primary, secondary, and thinning flakes, eight recorded adz preforms/rejects, and two hammerstones. No marine shell midden was observed. Cultural materials were observed eroding out of the shallow soils of the site. The vegetation surrounding the site consists of a stand of *kiawe*, *lantana*, and grass cover. There is an exposed dike of fine-grained basalt running through the center of the feature (Figure B-22).

Figure B-21. Site 104, Feature M, Plan Map

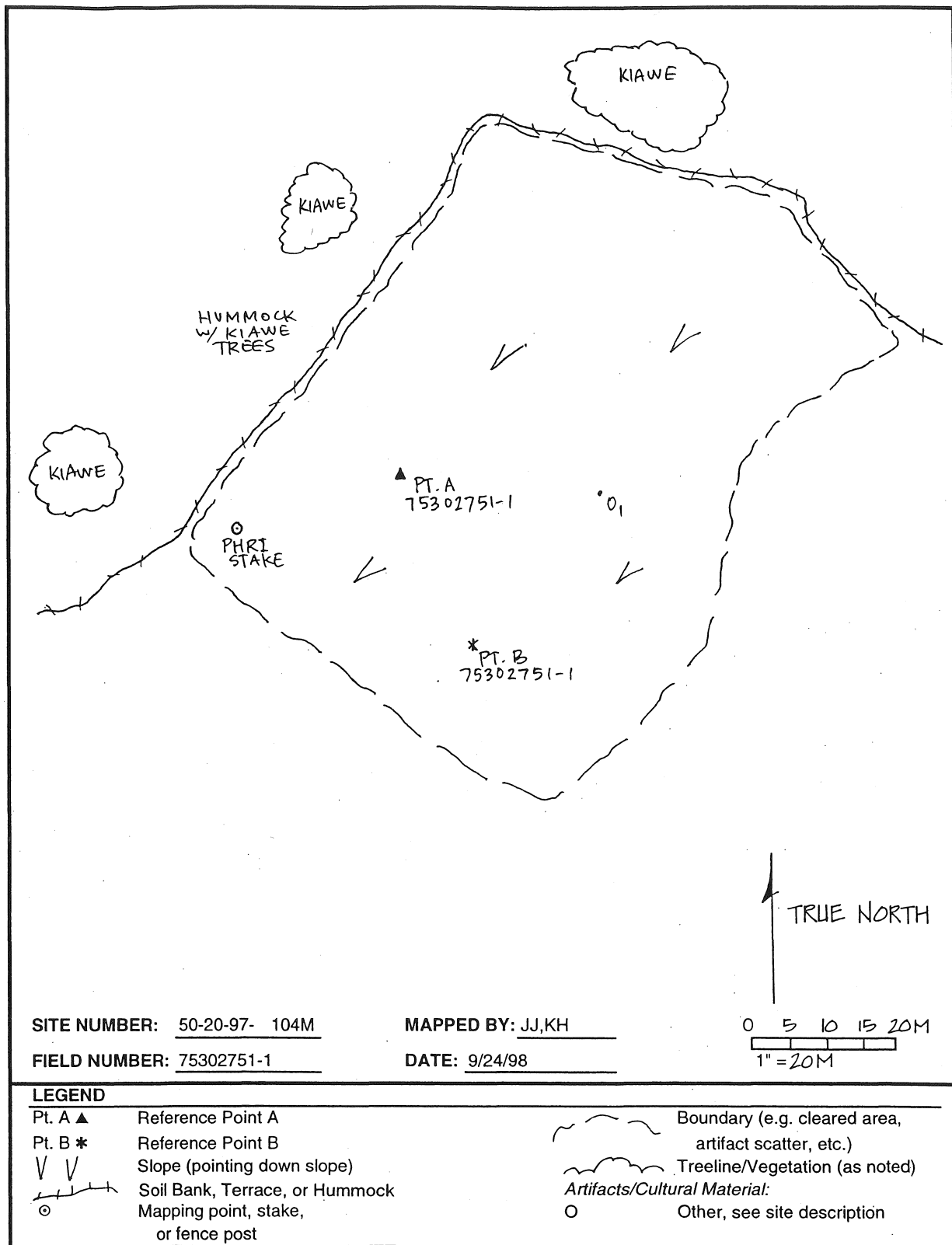
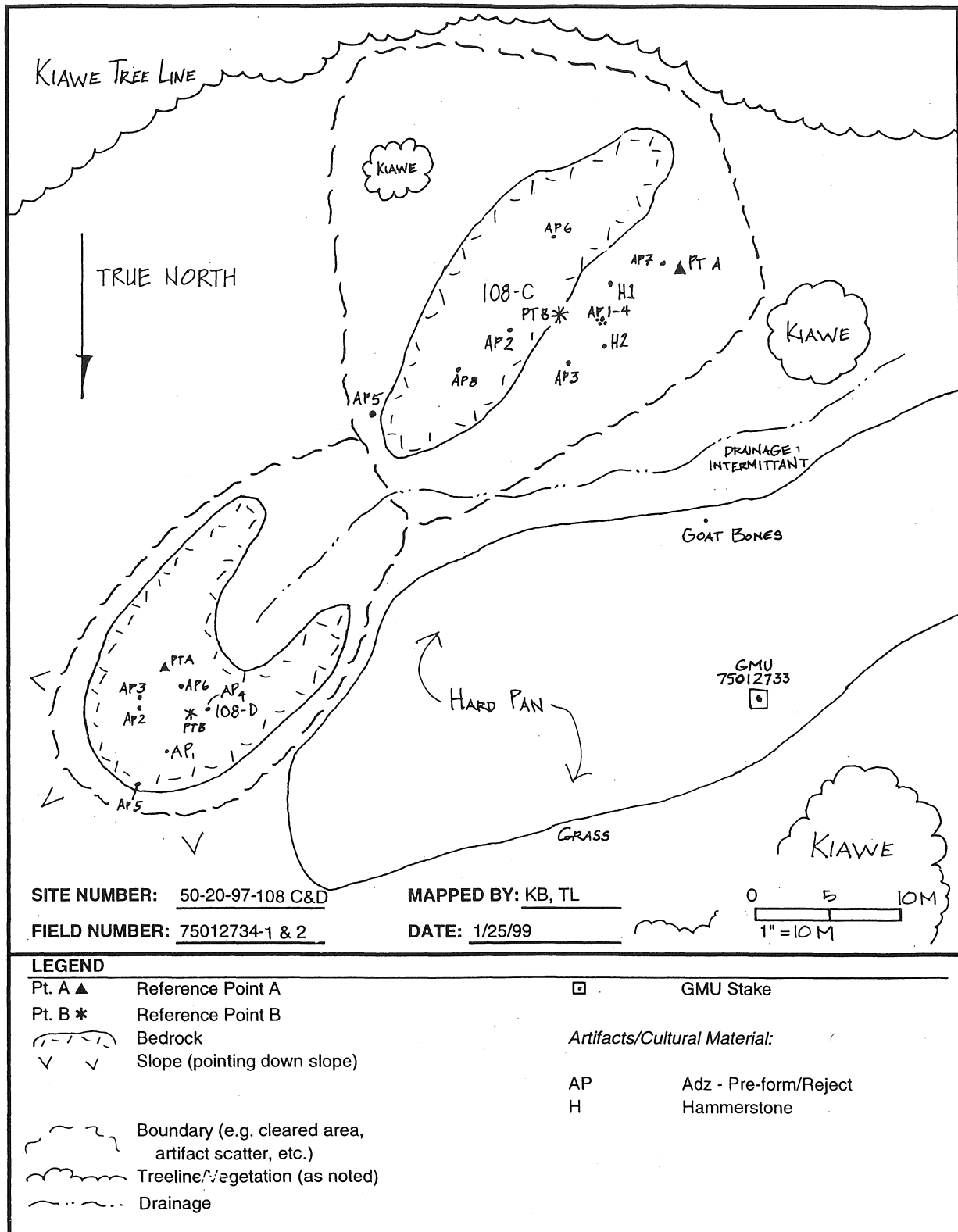


Figure B-22. Site 108, Features C and D, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-108	<b>FIELD NO.:</b> 75012734-1
<b>FEATURE:</b> D	<b>GMU:</b> 75012734
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Intermediate, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 31 m (L) x 18 m (W)
<b>SITE FUNCTION:</b> Quarry	<b>SITE AREA:</b> Approx. 558 sq. m

**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Intact Cultural Layer, Lithic Raw Material Source, Basalt Flakes

**Site Description**

This site consists of a scatter of basalt flakes, fractured basalt, and six recorded adz preform/rejects. Two exposures of fine-grained basalt, likely tool-quality, extend through the eastern and western ends of the site. No marine shell midden was observed. Cultural materials were observed eroding out of the shallow soils of the site. The vegetation surrounding the site consists of a stand of *kiawe*, *lantana*, and grass cover (Figure B-22).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-108	<b>FIELD NO.:</b> 75002732-1
<b>FEATURE:</b> H	<b>GMU:</b> 75002732
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Intermediate, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 84 m (L) x 20 m (W)
<b>SITE FUNCTION:</b> Quarry	<b>SITE AREA:</b> Approx. 1680 sq. m

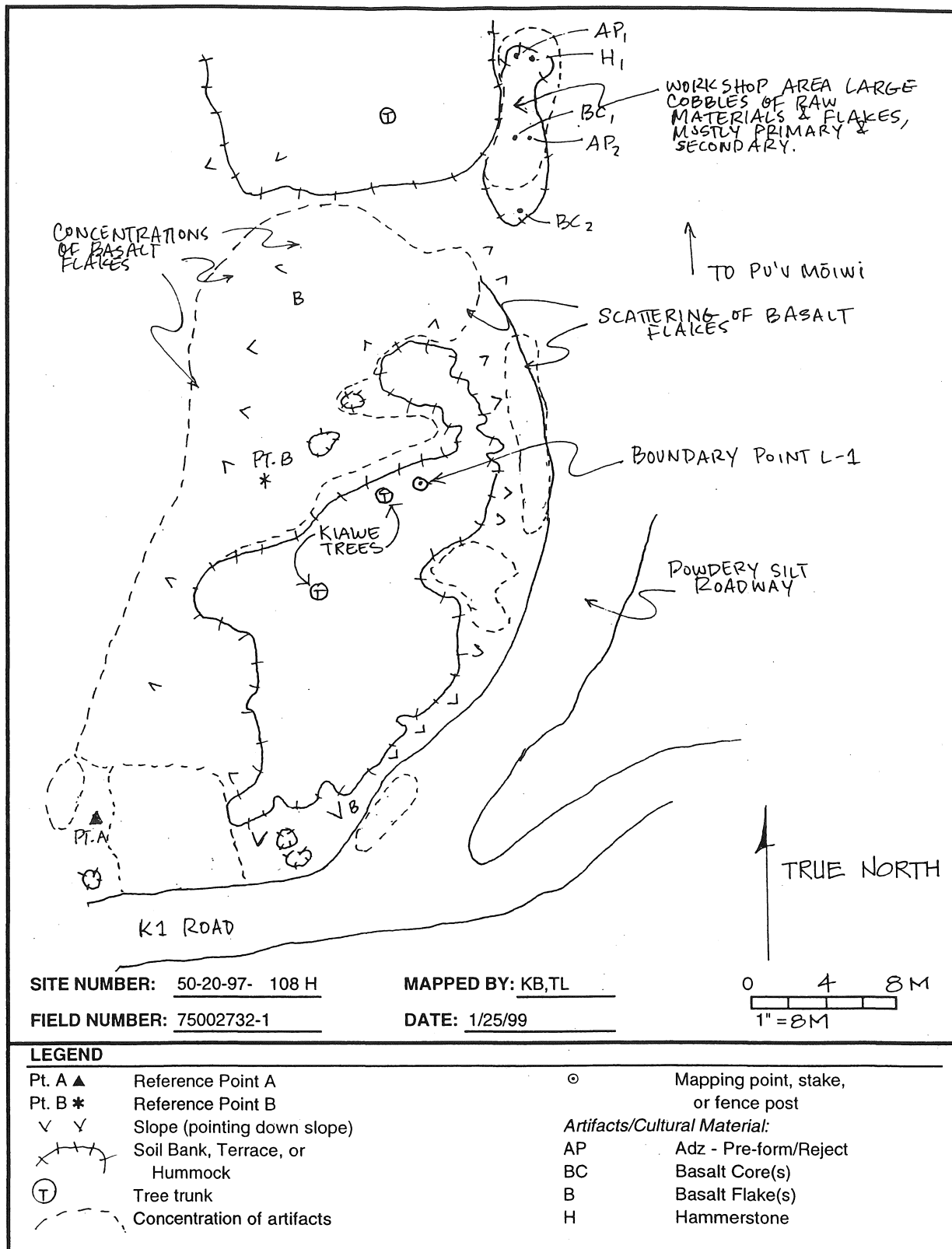
**MATERIAL CHARACTERISTICS:**  
Intact Cultural Layer, Basalt Artifacts, Basalt Flakes

**Site Description**

This feature of Site 108 is an extensive scatter of basalt flakes located on the south flank of Pu'umo'iwi at the intersection of K-1 Road and the trail to the summit. The basalt flakes are eroding in part from a substantial hummock with a large *kiawe* tree growing on it. Artifacts recorded at this feature include two adz preform/rejects, two basalt cores, and one hammerstone (Figure B-23).



Figure B-23. Site 108, Feature H, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-111	<b>FIELD NO.:</b> 75132737-1
<b>FEATURE:</b> A	<b>GMU:</b> 75132737
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 107 m (L) x 67 m (W)
<b>SITE FUNCTION:</b> Habitation, Activity Area	<b>SITE AREA:</b> Approx. 7169 sq. m

**MATERIAL CHARACTERISTICS:**  
Abrader, Fractured Basalt, Fireplace, Sinkers, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

### Site Description

Site 111 was originally described as a complex of 20 artifact scatter activity areas, located on the southwest rift zone of Kaho'olawe between the summit of Moa'ulanui and Pu'umo'iwi. An additional artifact scatter was newly discovered, and the feature total for this complex is now at 21. The newly discovered feature was designated as Feature U and is located between Features B and A (Figure 3-5b and 3-5c). Features A, C, L, N, O, and P are located in the K-1 Road project area and were positively identified and recorded. The artifact scatter that was originally identified as Feature M appears to have been also recorded as part of Site 196-Z (see NRHP Nomination forms for Sites 111 and 196). This scatter was recorded as part of Site 196-Z during this project.

### Feature A Description

This feature of Site 111 consists of a very high- to low-density scatter of cultural materials listed in the NRHP form description, with the addition of many more fragments of finished and unfinished basalt tools. Only one of the firepits mentioned in the earlier description was found, and it is the one partially excavated by PHRI (Rosendahl *et al.* 1988). Artifacts recorded at this feature include three adz preform/rejects, eight basalt cores, one basalt abrader, six coral abraders, eight basalt awls, four bifaces, four hammerstones, two breadloaf-type sinkers, one cowry shell lure, and one miscellaneous artifact.

There are four areas of very high- to high-density concentrations of cultural materials, mostly fractured basalt and basalt flakes and cores. There is very little marine shell and volcanic glass debitage in comparison to the basalt debris. One of the concentrations is around a small hummock with the firepit. Two more are around patches of low soil that may be remnant paleosols (Figure B-24).

There are several characteristics about this site that distinguish it from other sites in the vicinity. First, there are more than usual large basalt flakes (10-15 cm) and large core mixed with the more common smaller flakes and cores. Also, there is a variety of basalt sources represented here, as indicated by the quality of the material. Some is extremely high quality and fine-grained, other is the more typical good tool quality, and some is fairly poor quality basalt. There are a number of fragments of tabular basalt, some of which refit, but do not exhibit any obvious use or function. Finally, there is a greater than usual variety of shell types here, including one specimen each of uncommon species such as hairy triton (*cymatium pileare*) and *isognomon californicum*, as well as what looks like helmet (*Cassia spp.*) shell fragments. The variety of tool types recorded at this feature is quite extensive, which generally implies that a wide range of activities was performed there. This wide range of activities, combined with the generally high density of the material remains and the presence of firepit remains in the face of one of the hummocks, suggest that this feature functioned as some sort of habitation for an indefinite duration.

This site is located on the south side of the heavily vegetated drainage, opposite features N, O, and P of Site 111.

**SITE NUMBER:** 50-20-97- 111 A  
**MAPPED BY:** JJ, DD, ACS

**FIELD NUMBER:** 75132737-1  
**DATE:** 1/26/99

**LEGEND**

Pt. A ▲	Reference Point A	□	GMU Stake
Pt. B *	Reference Point B		
Y V	Slope (pointing down slope)		
[Symbol]	Soil Bank, Terrace, or Hummock		
[Symbol]	Boundary (e.g. cleared area, artifact scatter, etc.)		
(T)	Tree trunk		
(cm)	Vertical heights		
[Symbol]	Concentration of Fractured Basalt		
[Symbol]	Drainage		
	<b>Artifacts/Cultural Material:</b>		
AB	Abrader		
AP	Adz - Pre-form/Reject		
AW	Awl		
BC	Basalt Core(s)		
BF	Biface		
H	Hammerstone		
S	Sinker		
O	Other, see site description		

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<b>SITE NUMBER (SIHP):</b> 50-20-97-111	<b>FIELD NO.:</b> 75142737-2
<b>FEATURE:</b> C	<b>GMU:</b> 75142737
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 82 m (L) x 26 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 2132 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 111 consists of a high- to low-density scatter of cultural materials listed in the NRHP description with the addition of the coral and scoria abraders, one biface, four basalt cores, and the *'ulu maika* that was previously classified as a "discoidal hammerstone." Some of the other coral fragments at this site may be pieces of broken abraders. Artifacts recorded at this feature include four basalt cores, two coral abraders, one scoria abrader, one biface, and one *'ulu maika*. As at Site 111-A, there are a number of fragments of tabular basalt, some of which re-fit. The materials at this site are scattered downhill of a large hummock that is at the top of a ridge between a thickly vegetated drainage to the north and Kanaloa Gulch to the south. There are a few small patches of grass-covered soil in the site that may be remnant paleosols. The cultural materials do not appear to have eroded from the large hummock to the south (Figure B-25).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-111	<b>FIELD NO.:</b> 75182740-1
<b>FEATURE:</b> L	<b>GMU:</b> 75182740
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 31 m (L) x 25 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 775 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 111 consists of a generally low-density scatter of cultural materials already listed in the NRHP description. The difference in site definition is that we have included the scatter of materials that occur on the northwest side of K2 road that is technically located within the boundaries of the Site 614 complex. Because this scatter appears to have been bisected by the road, it was decided to include it all as part of site 111-L. Cultural materials are visible on the eroded hardpan surface, which comprises about 80% of the site surface area; the remainder consists of small patches of grass-covered soils (Figure B-26).

Figure B-25. Site 111, Feature C, Plan Map

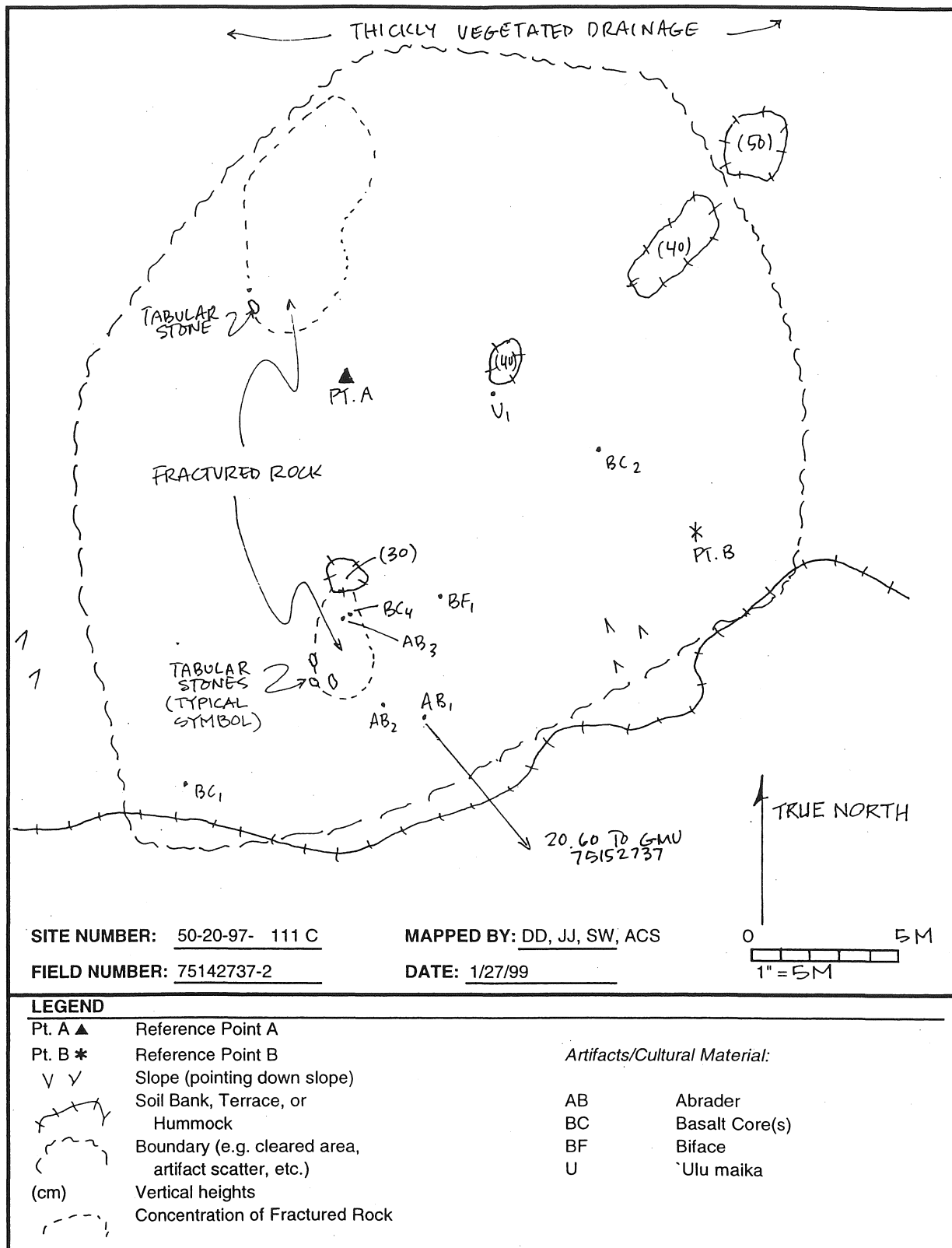
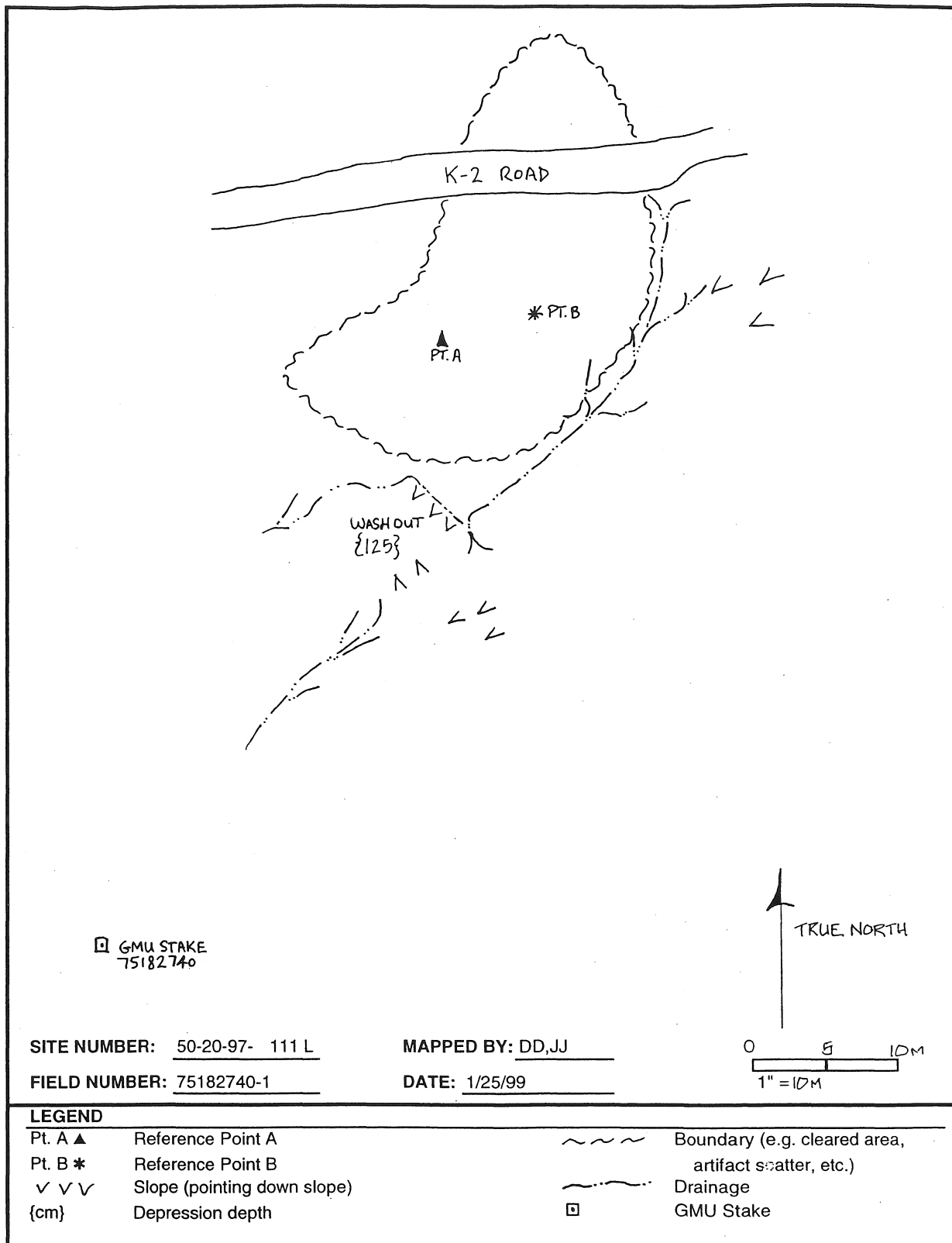


Figure B-26. Site 111, Feature L, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-111	<b>FIELD NO.:</b> 75152739-1
<b>FEATURE:</b> N	<b>GMU:</b> 75152739
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 62 m (L) x 26 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1612 sq. m

**MATERIAL CHARACTERISTICS:**  
Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 111 consists of a high- to low-density scatter of cultural materials listed in the NRHP form description, with the addition of a coral abrader and other basalt unfinished tool fragments. The triangular adz preform noted in the NRHP description was relocated, but it is in two pieces that are located about 3.0 m apart. Artifacts recorded at this feature include one adz preform/reject, one hammerstone, one basalt core, one coral abrader, and one basalt awl. Materials are visible on eroded hardpan and loose lateritic soils that comprise over 90% of the site surface area; the remainder consists of very small patches of grass-covered shallow soils. This site is located adjacent to Feature O of Site 111, and is one of three features situated adjacent to the north side of a low drainage area that is thickly covered with grass and *kiawe* trees (Figure B-27).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-111	<b>FIELD NO.:</b> 75152739-2
<b>FEATURE:</b> O	<b>GMU:</b> 75152739
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 41 m (L) x 12 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 492 sq. m

**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Basalt Flakes

#### Site Description

This feature of Site 111 consists of a low-density scatter of cultural materials already listed in the NRHP form description, with the addition of one adz preform/reject that was recorded. The site is situated adjacent to the north side of a low drainage area that is thickly covered with grass and *kiawe* trees (Figure B-27). Cultural materials are visible on eroded hardpan that comprises about 95% of the site surface area; the remainder consists of vegetated shallow soils.

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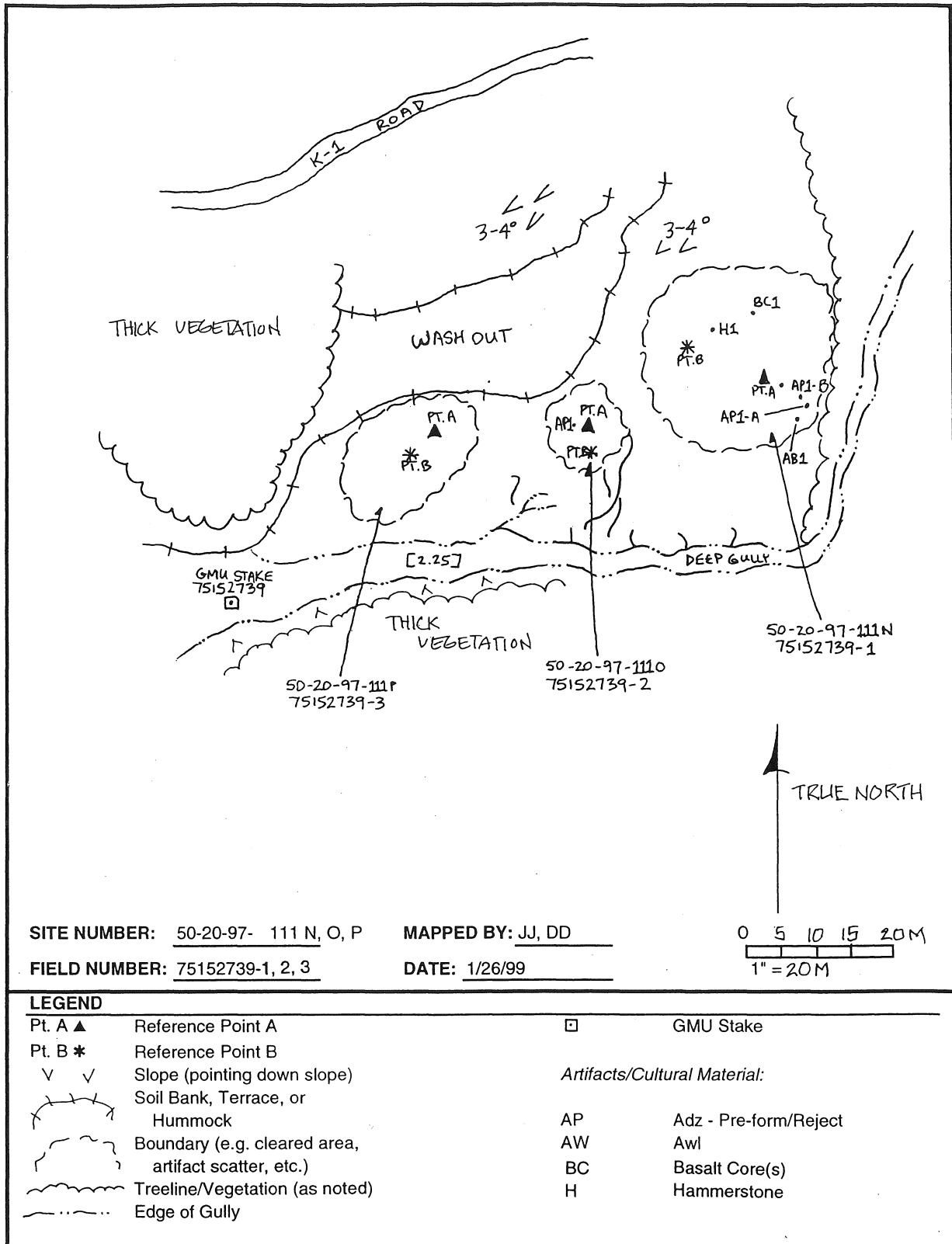
<b>SITE NUMBER (SIHP):</b> 50-20-97-111	<b>FIELD NO.:</b> 75152739-3
<b>FEATURE:</b> P	<b>GMU:</b> 75152739
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 17 m (L) x 12 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 204 sq. m

**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Basalt Flakes

#### Site Description

This feature of Site 111 consists of a low-density scatter of cultural materials listed in the NRHP form description. Materials are visible on the hardpan that comprises about 90% of the site surface area; the remainder consists of grass-covered patches of shallow soils. This site is situated adjacent to the north side of a low drainage area that is thickly covered with grass and *kiawe* trees (Figure B-27).

Figure B-27. Site 111, Features N, O, and P, Plan Map





**SITE NUMBER (SIHP):** 50-20-97-111

**FEATURE:** U

**STATUS:** New

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75132736-1

**GMU:** 75132736

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 51 m (L) x 15 m (W)

**SITE AREA:** Approx. 765 sq. m

**Site Description**

This newly discovered feature of Site 111 consists of a very low-density scatter of fractured basalt, basalt debitage, one *'ulu maika* fragment (recorded), and marine shell fragments (*Thaididae spp.*). The site is situated on almost completely denuded hardpan with a couple of saltbush clumps. The site is located between Features B and A of Site 111, and is definitely a newly discovered feature (Figure B-28).

**SITE NUMBER (SIHP):** 50-20-97-131

**FEATURE:** A

**STATUS:** Previously Recorded

**SETTING:** Coastal

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Intact Cultural Layer, Volcanic Glass, Basalt Flakes, Marine Midden

**FIELD NO.:** 74172697-1

**GMU:** 74172697

**WORK AREA:** Base Camp

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 155 m (L) x 25 m (W)

**SITE AREA:** Approx. 3875 sq. m

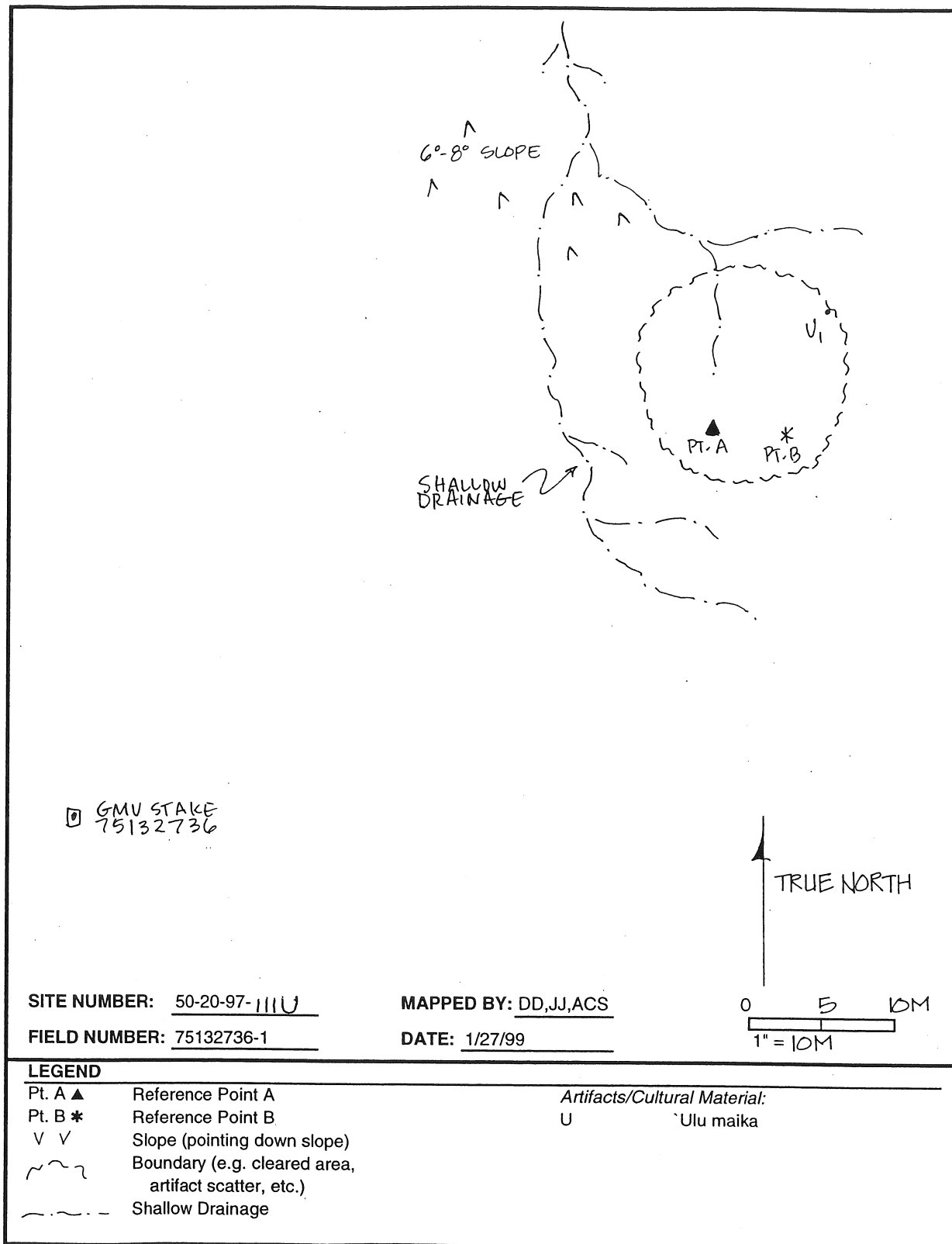
**Site Description**

Site 131 is located among the beach side features known as the Hanakanai'a Complex. Features A and B were relocated, and Feature C appears to have been destroyed (Figure 3-1).

**Feature A Description**

Feature A of Site 131 is a cultural material deposit located on the southern end of Hanakanai'a Bay. This feature forms a narrow strip of *kiawe* and grass vegetation between the beach deposit and the K-1 Road (Figure 3-1; Figure B-29). There is a drainage channel that runs along the north side of the site that has been responsible for erosion of the northern portion of the site. The northwest portion of the site (facing the beach) has been eroded by wave action. The NRHP description generally matches the current condition of the site, though the fireplaces/hearths described in the NRHP forms and by the PHRI map (Rosendahl *et al.* 1988) could not be relocated. Modern garbage litters the site. Most of the cultural material was observed in the southern portion of the site in the sediment adjacent to the K-1 Road. The enclosing wire fence around the site has been washed out by wave action. This suggests that wave action has continued to affect the site.

Figure B-28. Site 111, Feature U, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-131  
**FEATURE:** B  
**STATUS:** Previously Recorded  
**SETTING:** Coastal, Valley  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Enclosure  
**SITE FUNCTION:** Activity Area, Ceremonial  
**MATERIAL CHARACTERISTICS:**  
Marine Midden

**FIELD NO.:** 74182697-1  
**GMU:** 74182697  
**WORK AREA:** Base Camp  
**CULTURAL MATERIAL QUANTITY:** < 10 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 10 m (L) x 9 m (W)  
**SITE AREA:** Approx. 90 sq. m

#### Site Description

Early in this century Feature B was mapped and described by McAllister (1933). The description and sketch map of McAllister's Site 35 were sufficient to positively re-identify the feature. The NRHP form description for this feature matches generally what was observed during the current field work (Figure B-29). Along the southwestern side of the interior the low terrace or paving around the former upright appears to be roughly L-shaped, rather than a rectangle (as shown on the McAllister/Stokes map). The upright stone is still there, and it is still clear where it once stood. The feature is constructed of stacked and piled basalt boulders and cobbles. Branch and head coral is scattered about the site and is incorporated into the structural elements of the feature. One clear concentration is in the north corner of the structure. The structure is clearly tumbled, as was reported by McAllister (1933:52). The northwest wall, the location of the probable structure entrance reported by McAllister, is tumbled downslope. The south/southeast wall is also low and appears tumbled. The other two walls are less tumbled and have sections that are well stacked and vertically faced (3-4 courses and up to 50 cm high). The walls are generally mounded in appearance now. Coral and marine shell midden is scattered about the site. The alignment that extends northeast of the structure noted on the NRHP Nomination form is an alignment of four boulders, situated perpendicular to the prevailing slope. This alignment appears to be a natural break in the slope that has been modified by the construction of the alignment. The interior of the feature consists of a paved area and a sand area; the distinction between these areas is obscured by the tumbled stones that have fallen inside the feature. Based on the abundant coral, the large waterworn upright, and McAllister's descriptions of offering type goods (*Cypraea* shell lures) deposited on the feature (no longer visible now), it is reasonable to interpret this feature as ceremonial. The vegetation around the site consists of low, waist high grass and *kiawe*. Two cement and PVC monuments, painted yellow and marked 131, are located immediately downslope (W-NW) of the feature.

**SITE NUMBER (SIHP):** 50-20-97-131  
**FEATURE:** D, F  
**STATUS:** Previously Recorded  
**SETTING:** Coastal  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Marine Midden

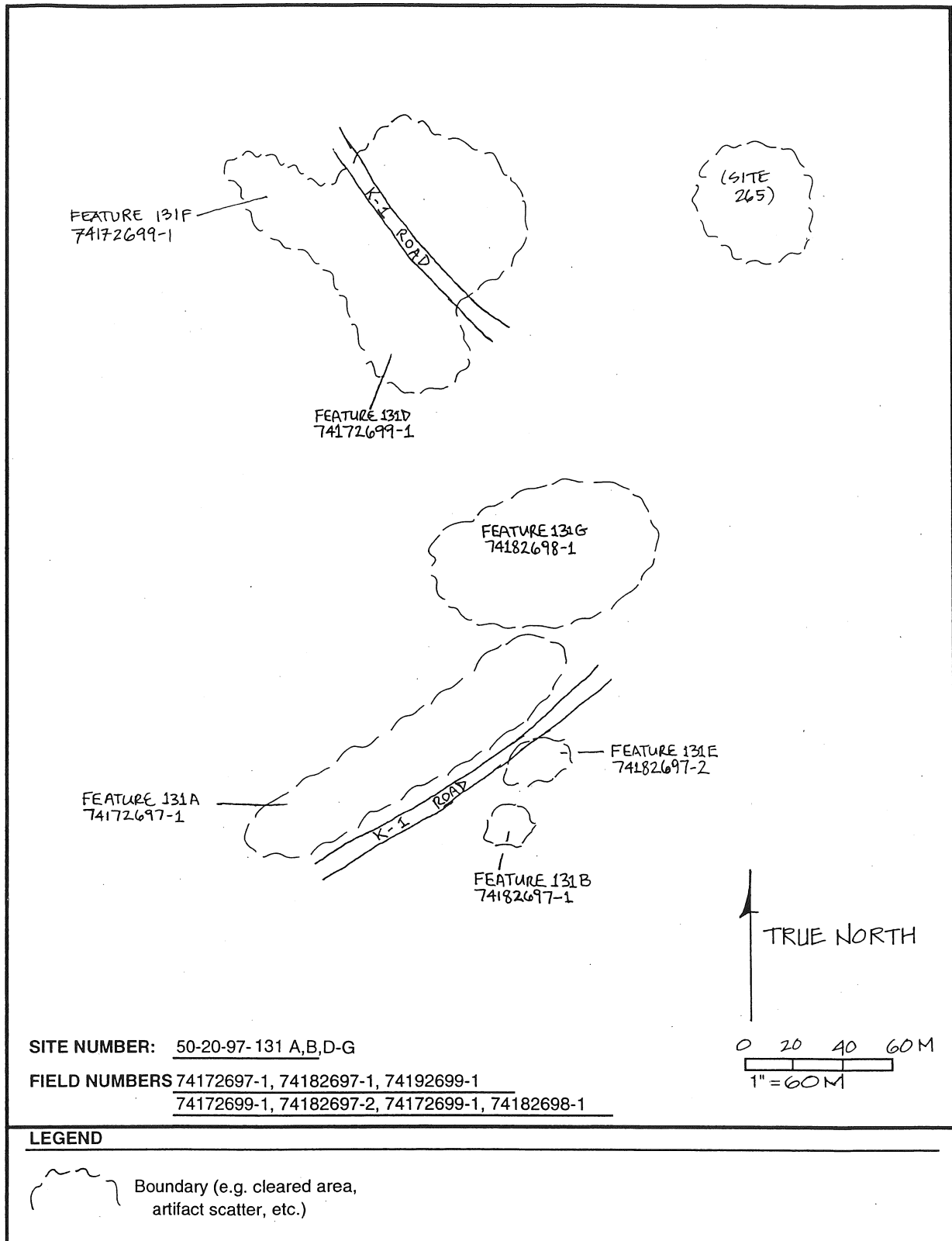
**FIELD NO.:** 74172699-1  
**GMU:** 74172699  
**WORK AREA:** Base Camp  
**CULTURAL MATERIAL QUANTITY:** < 10 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 135 m (L) x 90 m (W)  
**SITE AREA:** Approx. 12150 sq. m

#### Site Description

Features D and F appear to have undergone severe degradation by beach erosion, extensive bulldozer activity, and pedestrian activity, and they are completely overgrown with *kiawe* and grass. The density of the midden deposits (or their visibility) appears to have decreased due to the aforementioned activities. The materials observed on the surface during this survey clearly constitute a scatter. The only midden materials found were a few fragments of *Thaididae*, *Cypraea*, and *Cellana* spp. Large fragments of head coral are spread intermittently throughout the feature, and there is a small scatter of branch coral around map Reference Point B. Bulldozer activity is represented by earth berms located intermittently throughout both features. These berms are comprised of upturned

sand, dirt, rubble, and a small quantity of shell debris (Figure B-29).

Figure B-29. Site 131, Feature A, B, and D-G Plan Maps



**SITE NUMBER (SIHP):** 50-20-97-131  
**FEATURE:** E  
**STATUS:** Previously Recorded  
**SETTING:** Coastal, Valley  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Basalt Flakes, Marine Midden

**FIELD NO.:** 74182697-2  
**GMU:** 74182697  
**WORK AREA:** Base Camp  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 27 m (L) x 10 m (W)  
**SITE AREA:** Approx. 270 sq. m

#### Site Description

This midden scatter is comprised of *Thaididae*, *Echinoidaea*, *Cellana*, and *Cypraea spp.*, and fragments of a large unidentified marine shell species. The feature is covered in dense grass, and there are large boulders scattered about (Figure B-29; Figure B-30). The cultural materials observed are generally consistent with those listed in the NRHP form description, although some of the marine shell species and the worked bone were not observed. No fishbone or scales were observed either, but some coral was found. The vegetation at the feature consists of dense grass and scattered *kiawe*.

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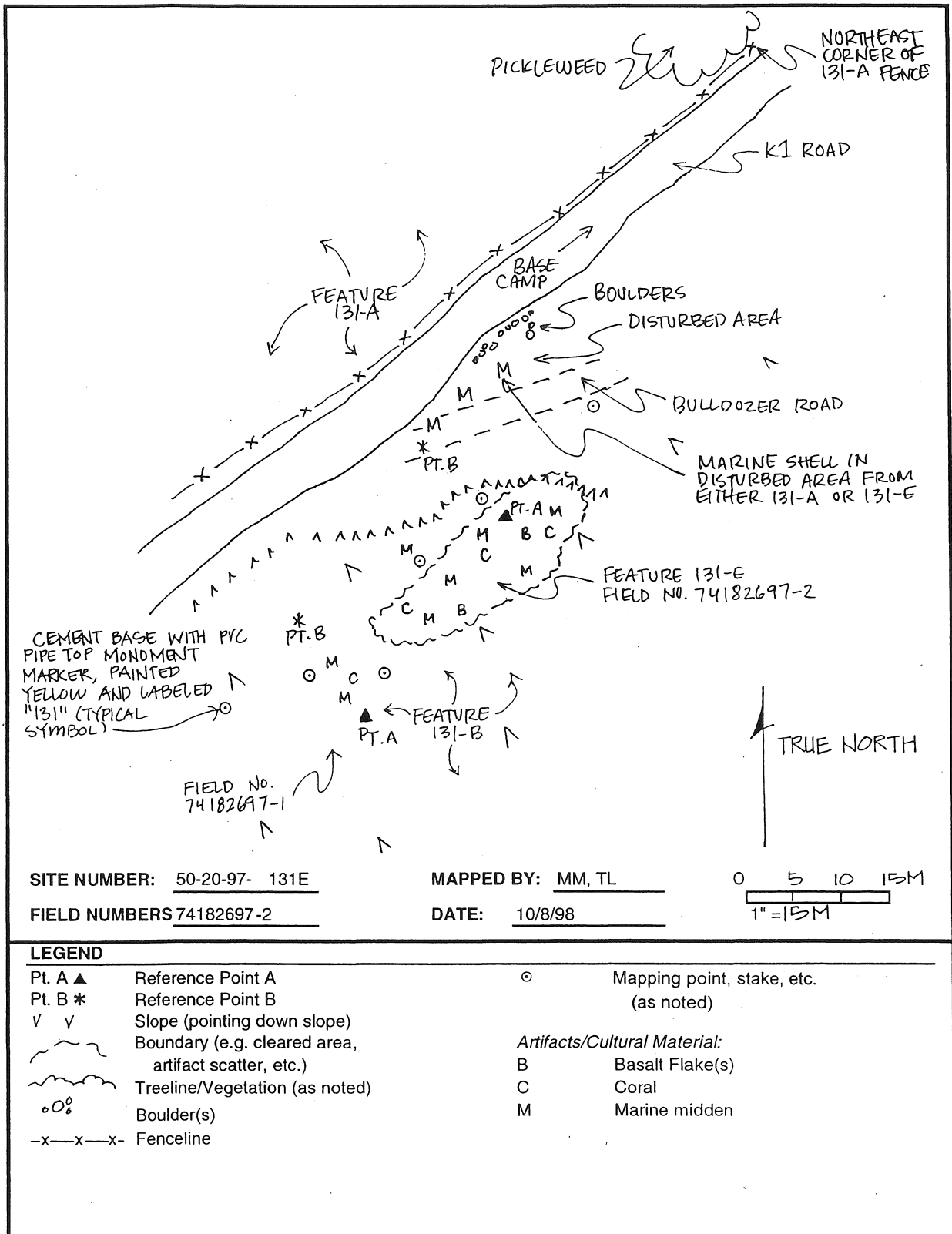
**SITE NUMBER (SIHP):** 50-20-97-131  
**FEATURE:** G  
**STATUS:** New  
**SETTING:** Coastal  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Marine Midden

**FIELD NO.:** 74182698-1  
**GMU:** 74182698  
**WORK AREA:** Base Camp  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 90 m (L) x 60 m (W)  
**SITE AREA:** Approx. 5400 sq. m

#### Site Description

This feature of Site 131 consists of a cultural material deposit similar to features 131-D and F to the north and feature 131-A to the south (Figure B-29). The ground surface of this feature is similar to that of Features A, D, and F. There is modern rubbish, glass, metal, and concrete fragments mixed in with the marine shell and coral of beach deposits. As with the nearby features D and F, little clearly cultural material was observed on the ground surface. The marine shell is not a clear indicator of a cultural deposit for a site this close to the coast. Some charcoal was observed on the surface and could be modern. No basalt flakes were observed. Although it appears to be a modern beach deposit, this area was assigned a new feature designation within the Site 131 complex because it matched the location of the archaeological site area on Sinoto's map (1996), and because it has very good potential of yielding subsurface cultural deposits. Vegetation consists of *kiawe*, grass, and an unidentified beach strand plant. The site is located immediately inland of the beach. The boundaries of this feature are fenced and include a single strand of barbed wire that runs along the top of the wire fence.

Figure B-30. Site 131, Feature E, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-133	<b>FIELD NO.:</b> 75252759-1
<b>FEATURE:</b> A	<b>GMU:</b> 75252759
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 80 m (L) x 31 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 2480 sq. m
<b>MATERIAL CHARACTERISTICS:</b>	

Adz Preforms/Rejects, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This site consists of a scatter of mostly basalt and volcanic glass flakes. Shell midden at the site is very light and a few pieces of branch coral and one piece of waterworn coral were observed. Artifacts recorded at this feature include three adz preform/rejects, one hammerstone, one basalt and one scoria abrader, and one miscellaneous artifact (Figure 3-7; Figure B-31). All terrain in the vicinity is deflated hardpan, with no hummocks. Most of the cultural material is concentrated in the small flat areas in the middle of shallow washes, and is obviously water transported.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-133	<b>FIELD NO.:</b> 75262759-1
<b>FEATURE:</b> B	<b>GMU:</b> 75262759
<b>STATUS:</b> New	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 35 m (L) x 29 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1015 sq. m
<b>MATERIAL CHARACTERISTICS:</b>	

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This newly discovered feature of Site 133 consists of a scatter of fractured basalt, basalt and volcanic glass flakes, marine midden, and basalt tools. The majority of materials are basalt flakes, though one volcanic glass nodule (approximately 7 cm diameter) was observed. Artifacts recorded at this feature include two adz preform/rejects and one miscellaneous artifact (Figure 3-7; Figure B-32). The site materials are situated exclusively on deflated hardpan. This scatter was defined as a new feature of Site 133, due to its proximity to other previously recorded Site 133 scatter.



Figure B-31. Site 133, Feature A, Plan Map

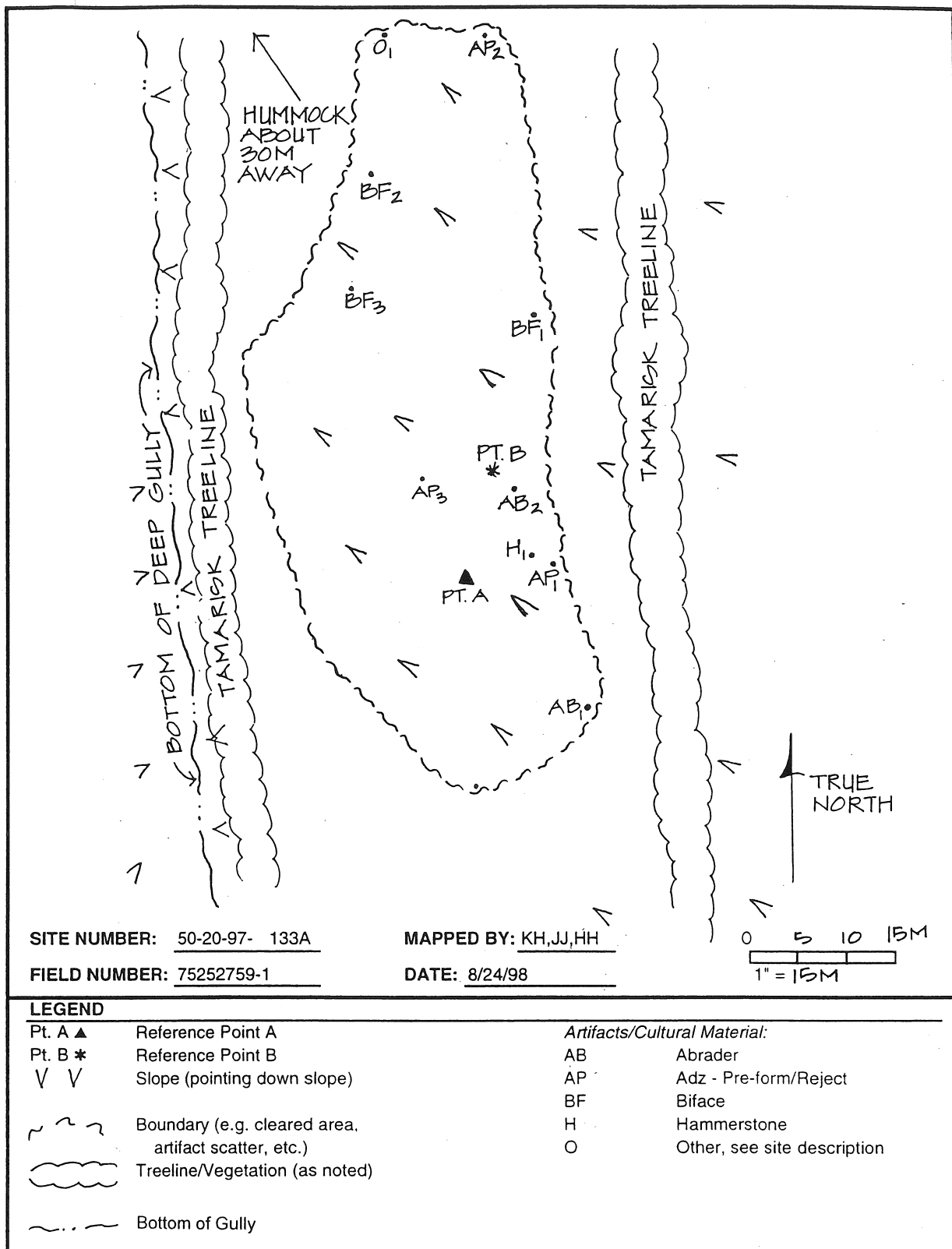
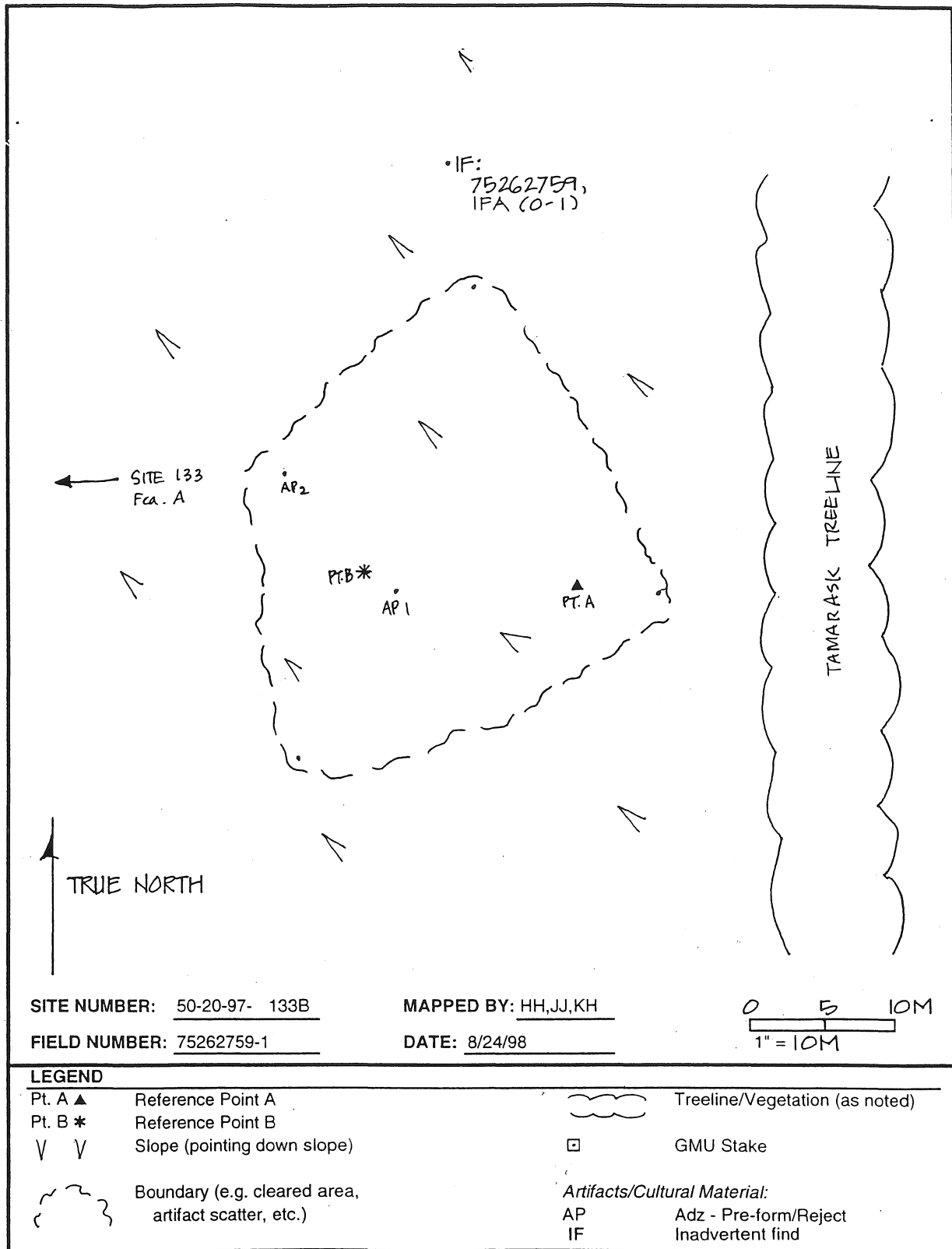


Figure B-32. Site 133, Feature B, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-144

**FEATURE:** None

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Flakes, Marine Midden

**FIELD NO.:** 75392752-1

**GMU:** 75392752

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

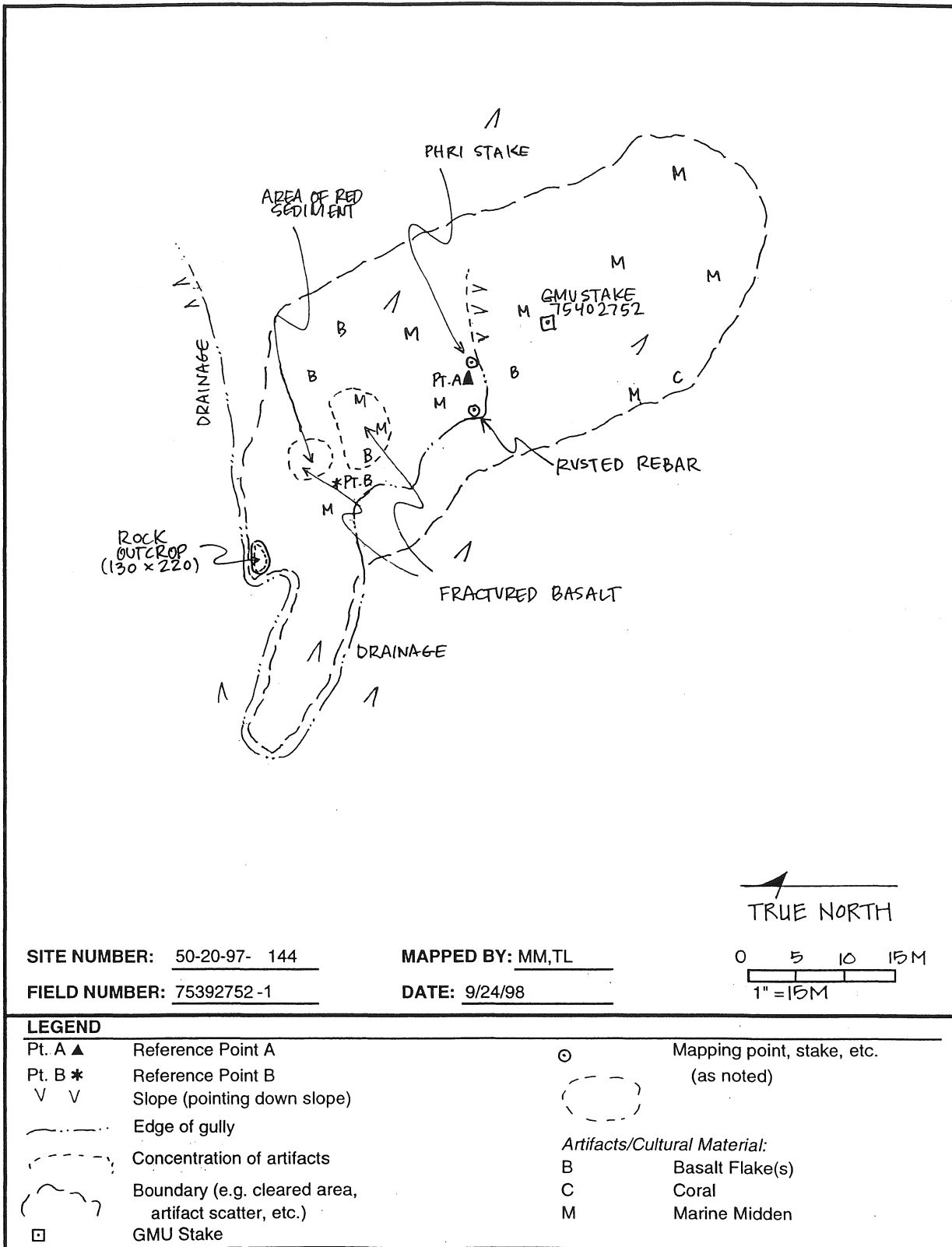
**SITE DIMENSIONS:** 80 m (L) x 25 m (W)

**SITE AREA:** Approx. 2000 sq. m

**Site Description**

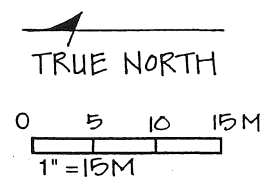
Site 144 consists of a cultural material scatter made up of pieces of marine shell, a few basalt flakes, and abundant fractured basalt. The present condition of the site generally matches the NRHP description, though the current site dimensions are larger than those in the NRHP description (Figure 3-7; Figure B-33). Cultural material may have been scattered further since the site was originally defined. More conclusively, an approximately 75 cm diameter area of red sediment containing fractured basalt was observed, which matches the NRHP description. No charcoal or other evidence of a hearth or fire place was observed, though. In fact, the red-stained sediment appears to be naturally occurring decomposing bedrock. The surrounding terrain is broken by numerous erosive channels that drain to the east-southeast with the prevailing slope of Lua Makika. There is no vegetation in the immediate vicinity of the site, and the hardpan has exposed bedrock protruding from it. Site 709 and feature 150-E are located to the west (up-slope), toward the rim of Moa`ulanui.

Figure B-33. Site 144, Plan Map



SITE NUMBER: 50-20-97- 144  
FIELD NUMBER: 75392752-1

MAPPED BY: MM,TL  
DATE: 9/24/98



<b>SITE NUMBER (SIHP):</b> 50-20-97-149	<b>FIELD NO.:</b> 75352747-1
<b>FEATURE:</b> A	<b>GMU:</b> 75352747
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 98 m (L) x 72 m (W)
<b>SITE FUNCTION:</b> Habitation, Activity Area	<b>SITE AREA:</b> Approx. 7056 sq. m
<b>MATERIAL CHARACTERISTICS:</b>	

Abrader, Fractured Basalt, Polished Flakes from Finished Adzes, Finished adz, Fireplace, Sinkers, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

### Site Description

This site consists of three activity area scatters, surrounding and adjacent to several hummocks on the southern slope of Moa`ulanui crater (Figure 3-7). Feature A is a large scatter of lithic debris and marine shell midden, that is exposed on the hardpan surface, and is adjacent to an eroding hummock and a large concentration of large basalt boulders. Feature B is a large scatter of cultural materials surrounding a hummock with two boulder alignments and a scatter of boulders interpreted to be the remains of a structure. Feature C consists of a large scatter of cultural material dispersed among and around four eroding hummocks, one of which is the same hummock from which part of Feature A is eroding (Figure B-34; Figure B-35).

### Feature A Description

This feature of Site 149 consists of a large scatter of lithic debris and marine shell midden, exposed on the hardpan surface, adjacent to an eroding hummock and a large concentration of large basalt boulders. Feature A is up-slope (north) and adjacent to Feature B (Figure B-34). Cultural materials are most concentrated in the northern portion of the feature, where there is a very dense scatter of volcanic glass flakes, tested nodules, cores, and expended cores. This area was previously recorded (NRHP) as eight separate concentrations. Fieldwork observations concluded that these concentrations are actually level areas where water-transported flakes have accumulated. A further observation regarding the volcanic glass is that the cores and nodules are concentrated up-slope of the majority of the flakes. This same northern portion of the site has a relatively dense scatter of tools, including small waterworn pebble hammerstones used to chip volcanic glass. This is also the area of the site where the hummock is located. The remains of two firepit features were observed in the eroding bank of the hummock. Cultural materials are scattered around the concentration of large boulders, but do not occur within the boulder concentration, indicating that, for some reason, activities were not performed there, or materials were not discarded there. Artifacts recorded at this feature include one adz, 10 adz preform/rejects, nine hammerstones, one basalt core, two coral abraders, two basalt awls, three bifaces, one sinker, four `ulu maika, and eight miscellaneous artifacts.

**SITE NUMBER (SIHP):** 50-20-97-149  
**FEATURE:** B  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Habitation, Activity Area

**FIELD NO.:** 75352746-2  
**GMU:** 75352746  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** High  
**SITE DIMENSIONS:** 67 m (L) x 48 m (W)  
**SITE AREA:** Approx. 3216 sq. m

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Sinkers, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 149 consists of an eroding hummock with basalt boulder alignments and a dense scatter of lithic debris, coral artifacts, and marine shell midden surrounding a hummock (Figure B-34). Artifacts, midden, and fire-cracked rock are scattered around the hummock on all sides, but the scatter does not extend far to the west, where materials are most low in density. Artifacts recorded at this feature include one adz preform/reject, six hammerstones, one basalt core, seven coral abraders, one basalt awl, one biface, and one *`ulu maika*. A charcoal deposit in the edge of the hummock that was noted in the NRHP Nomination form description was not relocated. This may be due to the heavy vegetation that obscures the hummock edge, or the deposit may have since eroded away. Cultural material in this feature is contiguous with materials of Feature A, up-slope to the north. There is also one fragment of burned bone that appears to be some mammal other than human or goat. There are two boulder alignments on the northeastern side of the hummock that are on and eroding out of the hummock. A scatter of boulders is virtually contiguous with the alignments, suggesting that they were formerly part of or associated with the alignment. The alignments and the tumbled boulders suggest that they are the remains of some sort of structure.

**SITE NUMBER (SIHP):** 50-20-97-149  
**FEATURE:** C  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Habitation, Activity Area

**FIELD NO.:** 75342746-1  
**GMU:** 75342746  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 137 m (L) x 103 m (W)  
**SITE AREA:** Approx. 14111 sq. m

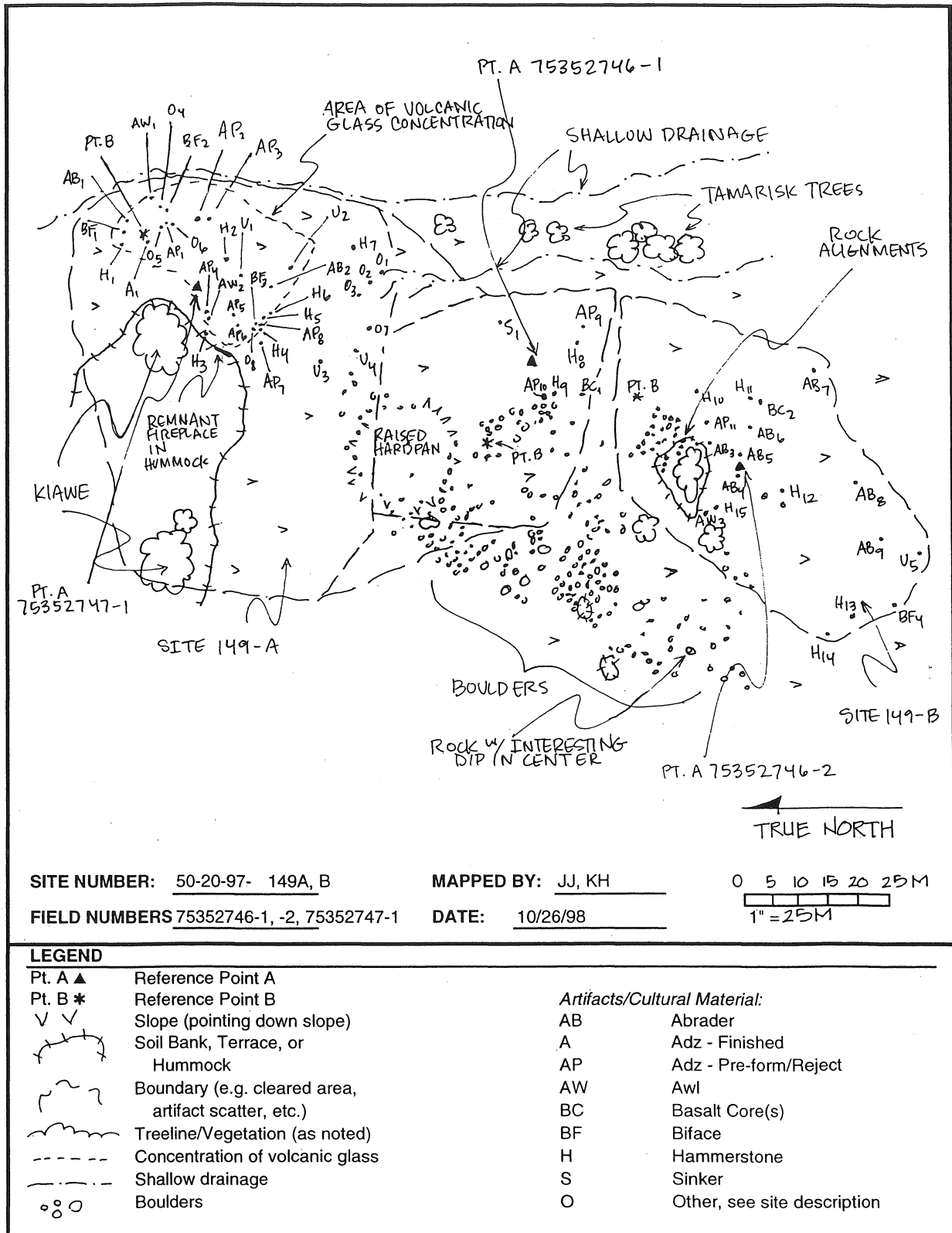
**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Fireplace, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden, *Cypraea* Shell Lure

**Site Description**

This feature of Site 149 consists of a large low- to high-density scatter of cultural materials listed in the NRHP description scattered among and around four eroding hummocks. One of the hummocks is the western end of the same large hummock from which feature A is partly eroding. As noted in the NRHP description, one of the hummocks has a scatter of boulders around it and a concentration of charcoal visible in the south face. Charcoal was also observed in the face of one of the other hummocks (Figure B-35). The number of boulders is so few that the remains of a structure are not necessarily implied, as written in the NRHP Nomination form description. Cultural materials are visible mostly on the hardpan surface, but can also be seen eroding out of the hummocks and on some of the grass-covered shallow soil areas that comprise about 15% to 20% of the site area. Artifact density ranged from low (some areas between the hummocks) to high (around the hummocks). Many tools and other finished artifacts were recorded that were not mentioned in the NRHP form description. Artifacts recorded at this feature include three adz preform/rejects, nine hammerstones, one basalt core, two coral abraders, two basalt awls, one biface, two cowry shell lures, one *`ulu maika*, and one miscellaneous artifact. There is a considerable quantity of branch coral at this feature, much more than was observed at the other two features of this site.

Figure B-34. Site 149, Features A and B, Plan Map



**SITE NUMBER:** 50-20-97- 149C

**FIELD NUMBER:** 75342746-01

**MAPPED BY:** JJ,KH

**DATE:** 10/27/98

**LEGEND**

Pt. A ▲	Reference Point A	Shallow drainage
Pt. B *	Reference Point B	Artifacts/Cultural Material:
oo o	Boulders	AB Abrader
V V	Slope (pointing down slope)	AP Adz - Pre-form/Reject
Soil Bank, Terrace, or Hummock		AW Awl
Boundary (e.g. cleared area, artifact scatter, etc.)		BC Basalt Core(s)
Treeline/Vegetation (as noted)		BF Biface
		H Hammerstone
		L Lure
		U 'Ulu maika
		O Other, see site description
		FP Fireplace



<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75312751-1
<b>FEATURE:</b> A	<b>GMU:</b> 75312751
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 120 m (L) x 95 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 11400 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Site 150 is comprised 21 features situated around the rim and within the crater of Moa`ulanui (Figure 3-7). The features are situated in mostly denuded areas interspersed with eroding hummocks and scattered patches of vegetated shallow soils. The features of the site sit at elevations between 420 and 450 m and are within Hommon's Inland Settlement Zone (1980:48). All 21 features of the site were reidentified within the Lua Makika work area with the use of the photogrammetric maps provided by the Navy. The constituent features (A through U) are discussed below.

#### Feature A Description

This feature of Site 150 consists of a large scatter of cultural materials listed in the NRHP form description. It is situated on the rim of the Moa`ulanui crater and extends down the inner slope of the crater (Figure B-36). The feature encompasses several small hummocks on the inner slope of the crater, with eroding shallow soil areas with grass on the crater rim. Overall cultural material is quite sparse in comparison to other features of Site 150 on the southern slope of Moa`ulanui, although there are some areas of high density. There are quite a few large boulders in the southeastern portion of the site, but they do not appear to be in any recognizable pattern. There is not much coral at this site, but there is some branch coral. Artifacts recorded at this feature include two adz preform/rejects, one hammerstone, one basalt core, and one biface.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75332750-1
<b>FEATURE:</b> B	<b>GMU:</b> 75332750
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 144 m (L) x 78 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 11232 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 150 is situated on the inner slope of the southwestern portion of Moa`ulanui crater. The gentle slope of the site is mostly to the north-northeast. The feature encompasses several small hummocks, and some areas of shallow soil with grass. The cultural material at this feature is quite dense in places and decreases toward the perimeter. Some areas have very dense scatters of volcanic glass flakes. There are also a lot of flakes of high quality basalt, some of which are relatively flat thinning flakes (small and large). Artifacts recorded at this feature include three adz preform/rejects, two hammerstones, two coral abraders, one scoria abradar, one basalt awl, two bifaces, and one miscellaneous artifact (Figure B-37). There are also some small waterworn pebbles and small cobbles, but not many. Most coral appears to be brain-coral fragments, except for one big chunk of branch coral, with some fragments dispersed around it. One large basalt flake was observed eroding out of the edge of a low hummock.

Figure B-36. Site 150, Feature A, Plan Map

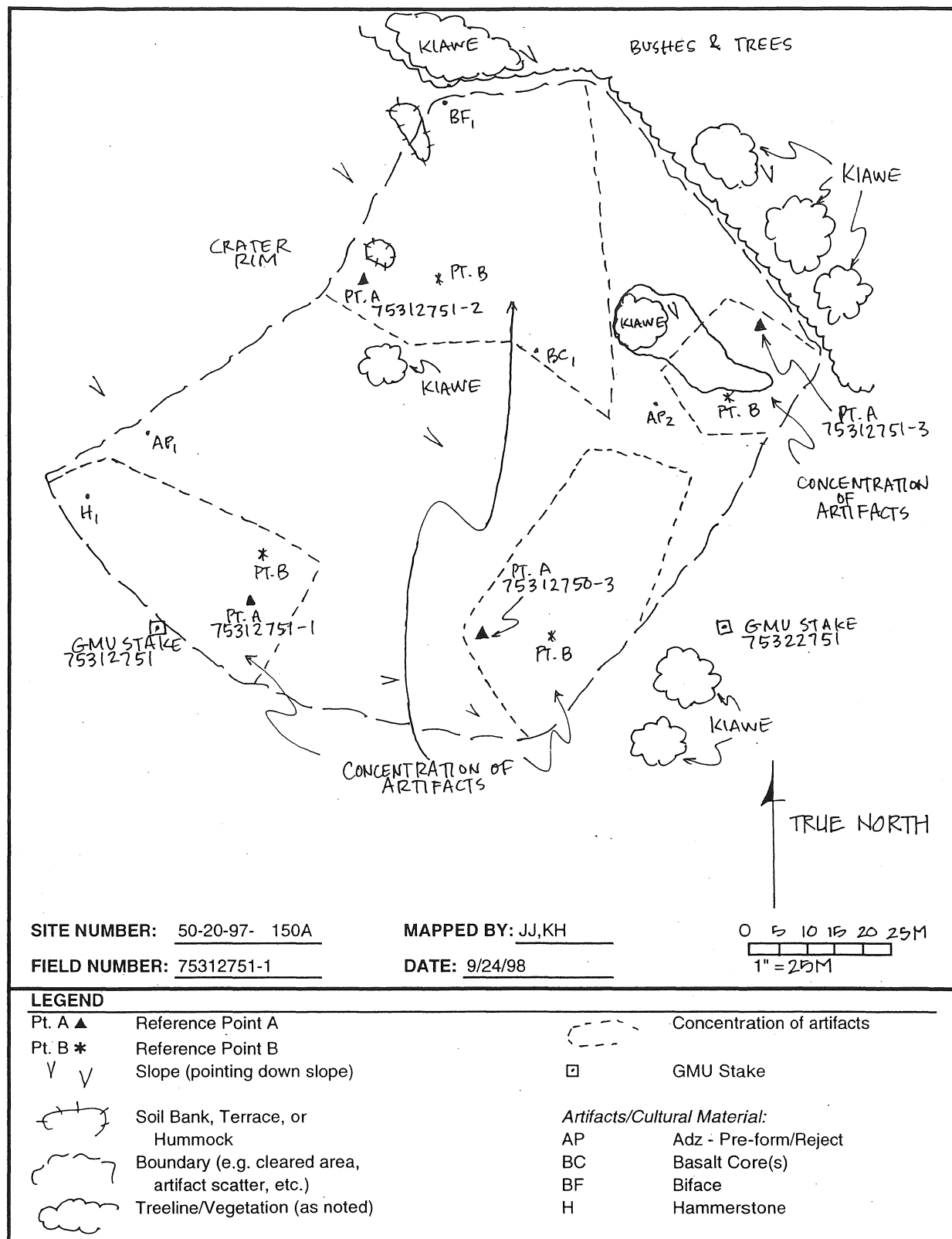
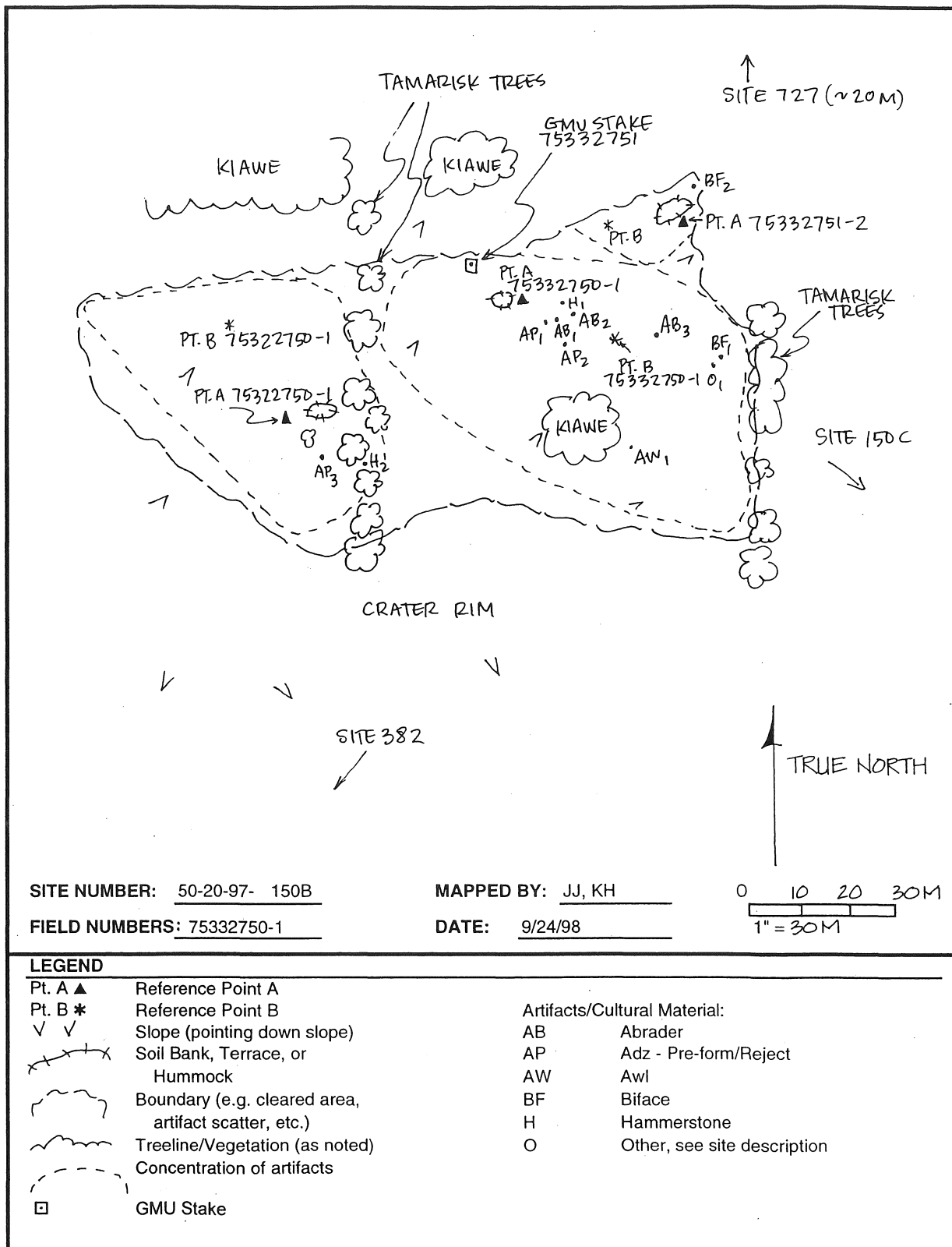


Figure B-37. Site 150, Feature B, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75332750-2
<b>FEATURE:</b> C	<b>GMU:</b> 75332750
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 82 m (L) x 50 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 4100 sq. m

**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 150 is situated in a low area or swale of the Moa`ulanui crater rim. Site 150-D rises to the southeast and 150-B rises somewhat to the northwest. This feature slopes gently to the southeast. The feature consists of a scatter of basalt and volcanic glass flakes, fractured basalt, and marine shell midden. Some of the areas of the site have dense concentrations of basalt and volcanic glass flakes, while other areas have low-density cultural material concentration. There is very little coral at this site, in comparison to Feature D. There are a lot of volcanic glass flakes, expended cores, and shatter – similar to the western portion of Feature D of Site 150. Artifacts recorded at this feature include two adz preform/rejects, one basalt awl, and one utilized flake (Figure B-38).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75342749-1
<b>FEATURE:</b> D	<b>GMU:</b> 75342749
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Complex	<b>SITE DIMENSIONS:</b> 230 m (L) x 150 m (W)
<b>SITE FUNCTION:</b> Habitation, Activity Area	<b>SITE AREA:</b> Approx. 34500 sq. m

**MATERIAL CHARACTERISTICS:**  
Abrader, Fractured Basalt, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden, *Cypraea* Shell Lure

#### Site Description

This very large feature of Site 150 consists of several areas of relatively dense scatters of lithic artifacts, shell midden, and features that look like deflated firepits. Feature D differs from other features of Site 150 in that it contains a scatter of *Nerita spp.* shell and an area with relatively abundant volcanic glass flakes, and small poor quality volcanic glass cores and nodules. Artifacts recorded at this feature include one adz, 13 adz preform/rejects, two hammerstones, one basalt core, three coral abraders, one scoria abrader, one basalt awl, and one cowry shell lure.

The site is situated atop the Moa`ulanui crater and extends down-slope into the crater and down-slope outside the crater. There is some undulating topography within the site, including a prominent hilltop in the northwestern portion of the site. On the windward side of this hilltop there is an area of basalt boulders that appear to have been part of some sort of structure (Figure B-39). Many of the boulders are obviously naturally occurring there, but others appear to have been arranged in linear alignments, others appear to have been used to support or prop up some of those that are part of the natural outcrop. Down-wind of this area of boulders, there is an area where there are dense scatters of fractured basalt in very dark gray soil that may be the remains of the firepit features. One of these also has a concentration of *opihi* shells.

Figure B-38. Site 150, Feature C, Plan Map

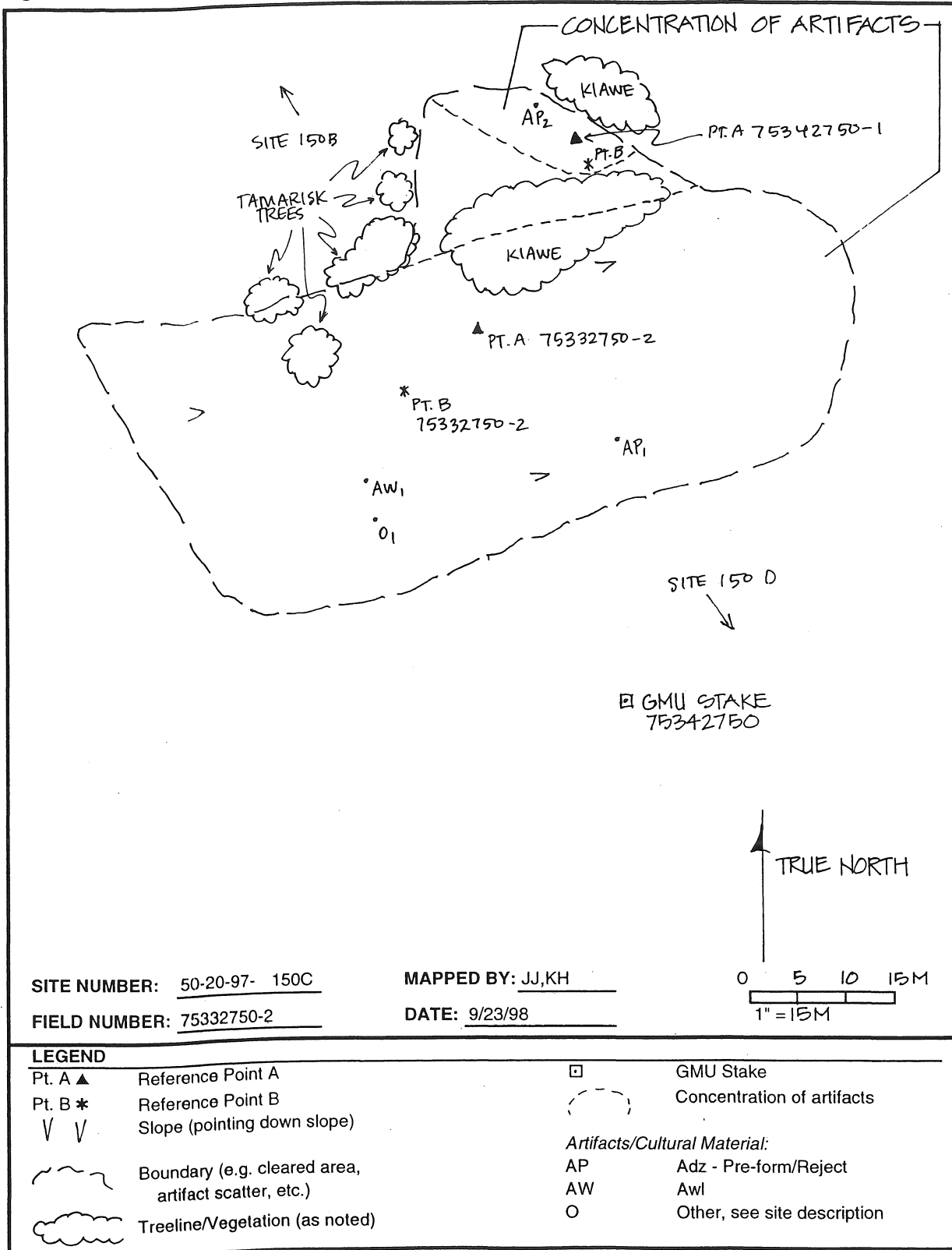
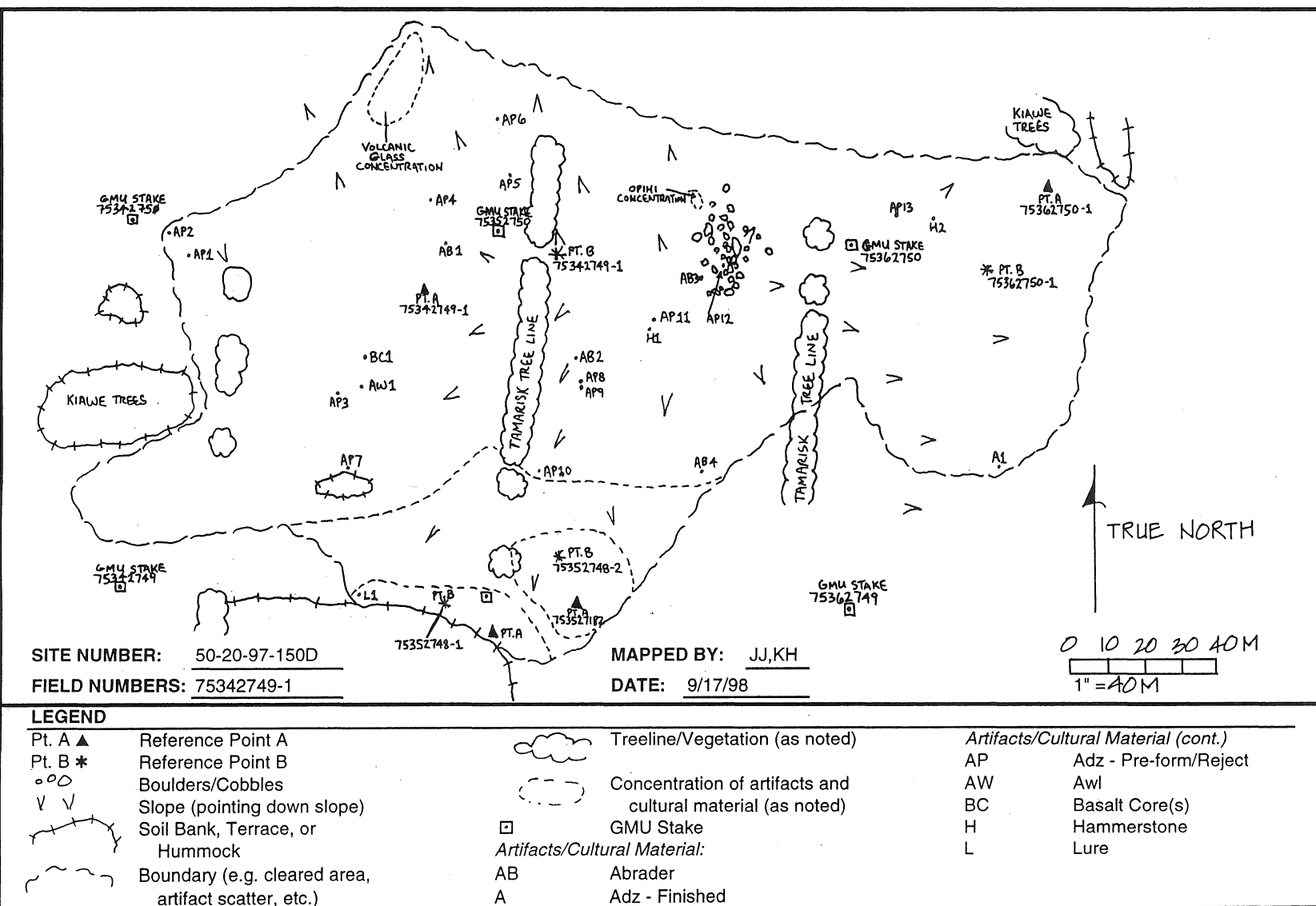


Figure B-39. Site 150, Feature D, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-150  
**FEATURE:** E  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Crater  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75382751-1  
**GMU:** 75382751  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 140 m (L) x 92 m (W)  
**SITE AREA:** Approx. 12880 sq. m

#### Site Description

This feature of Site 150 consists of two discrete artifact concentrations that are separated by a relatively deep erosional gully. The site is situated on the top of Moa'ulanui crater rim on completely eroded and deflated ground surface, with artifacts spread down the outside slope of the crater. The artifact density is medium near the centers of the concentrations, then decreases to low toward the perimeters. In addition to the cultural materials listed above, there are also some small waterworn pebbles and cobbles present. Artifact density is greater in the northern portion of the site. Artifacts recorded at this feature include three adz preform/rejects, seven hammerstones, one coral abrader, one basalt awl, two bifaces, and one grinding stone (Figure B-40).

**SITE NUMBER (SIHP):** 50-20-97-150  
**FEATURE:** F  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Crater  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Polished Flakes from Finished Adzes, Sinkers, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75382753-1  
**GMU:** 75382753  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** High  
**SITE DIMENSIONS:** 130 m (L) x 56 m (W)  
**SITE AREA:** Approx. 7280 sq. m

#### Site Description

This feature of Site 150 consists of three relatively discrete concentrations of cultural materials listed in the NRHP Nomination form. Artifacts recorded at this feature include one adz, eight adz preform/rejects, one hammerstone, one basalt core, four bifaces, one volcanic glass core, and one sinker. The distribution of cultural material between the concentrations is fairly continuous. All three are concentrations of cultural material of high- to low-density. The site is situated atop the rim of Moa'ulanui crater, with some cultural materials extending down the slopes of the crater interior and exterior. The site is completely eroded and lies on hardpan. There are some small, yet marked, erosive gullies in the feature, and there are exposed outcrops of extremely weathered basalt and a'a (Figure B-41).

Figure B-40. Site 150, Feature E, Plan Map

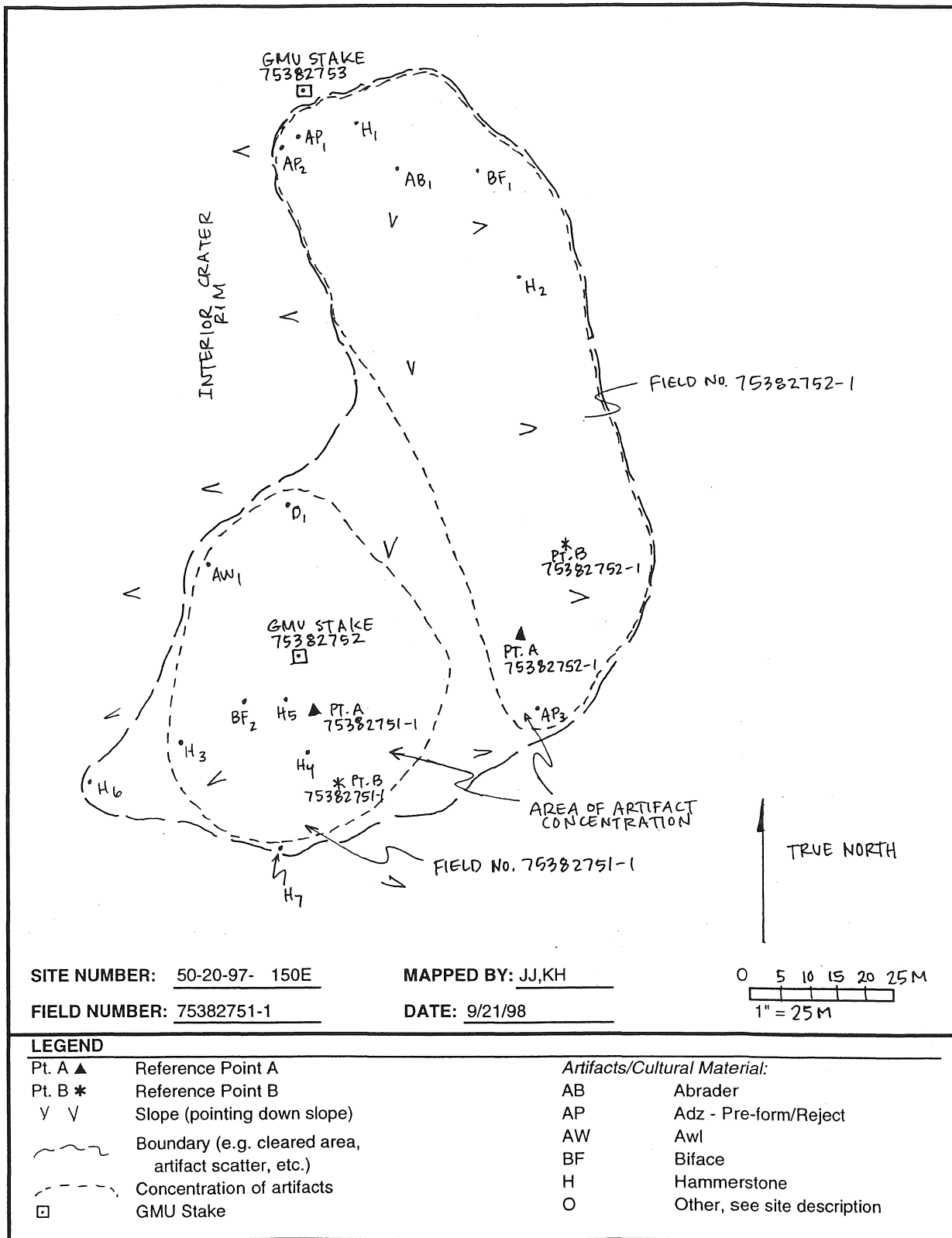
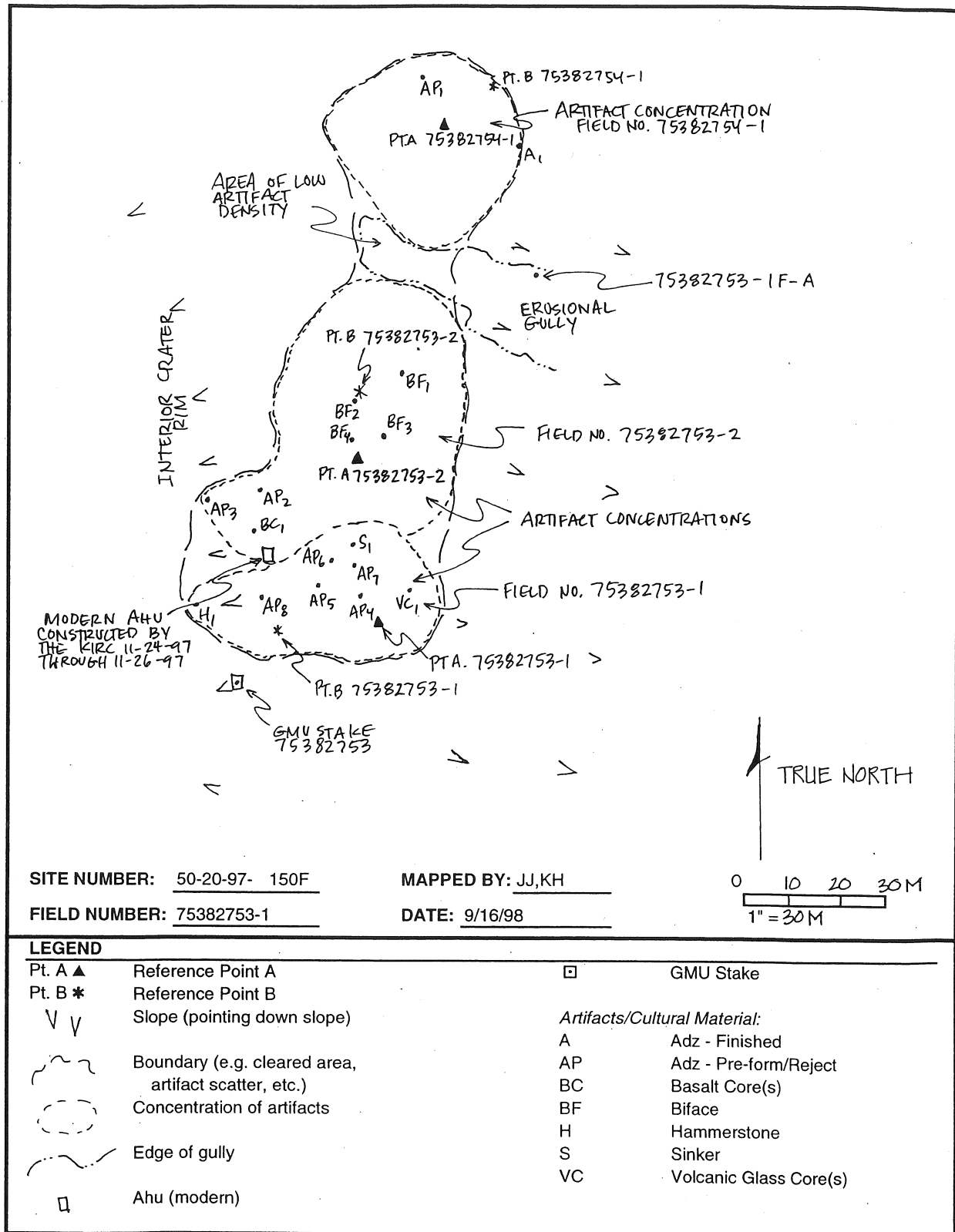




Figure B-41. Site 150, Feature F, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-150  
**FEATURE:** G  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Crater  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75372754-1  
**GMU:** 75372754  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** High  
**SITE DIMENSIONS:** 100 m (L) x 50 m (W)  
**SITE AREA:** Approx. 5000 sq. m

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Polished Flakes from Finished Adzes, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 150 consists of one large, relatively dense, artifact scatter and several smaller scatters in close proximity to each other (Figure B-42). Much of the cultural material consists of large, medium, and small flakes of fine-grained basalt. There are also many volcanic glass flakes and fragments of tools in production. Artifacts recorded at this feature include one adz, eight adz preform/rejects, two hammerstones, two coral abraders, one basalt awl, one biface, one *ulu maika*, and three miscellaneous artifacts. Density of cultural materials in the scatters ranges from high (near the center) to low (near the concentration perimeters). The site is situated atop the rim of Moa'ulanui crater on the *mauka* side of K-1 Road. Some cultural materials spill over the rim toward the inside of the crater. Cultural materials are lying on eroded hardpan with some erosion gullies and bomb craters. There are a few small patches of grass-covered soil within the site boundaries

**SITE NUMBER (SIHP):** 50-20-97-150  
**FEATURE:** H  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Crater  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75362756-3  
**GMU:** 75362756  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** High  
**SITE DIMENSIONS:** 90 m (L) x 32 m (W)  
**SITE AREA:** Approx. 2880 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Sinkers, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 150 is situated on top of Moa'ulanui crater rim and defined as Site 150-H on the crater rim side of the road only. The cultural material scatter is continuous across the road, but has been defined as part of Site 401 on the north side of the road. This site consists of three adjacent dense concentrations of cultural materials, which were recorded during the Model Clearance Project (Hammatt *et al.* 1996) as Features H1, H2, and H3. Cultural materials are quite densely scattered near the centers of each of the concentrations, and decrease toward the perimeters. Cultural materials include fractured basalt, large and small flakes of fine-grained basalt of various types, some flakes of poor quality volcanic glass, and a few pieces of marine shell. Artifacts recorded at this feature include 10 adz preform/rejects, one biface, one hammerstone and one basalt bread-loaf sinker. There are also some small waterworn cobbles, and some fragments of clear plate glass. Some materials have spilled over the crater edge, but not very far (Figure B-43).

Figure B-42. Site 150, Feature G, Plan Map

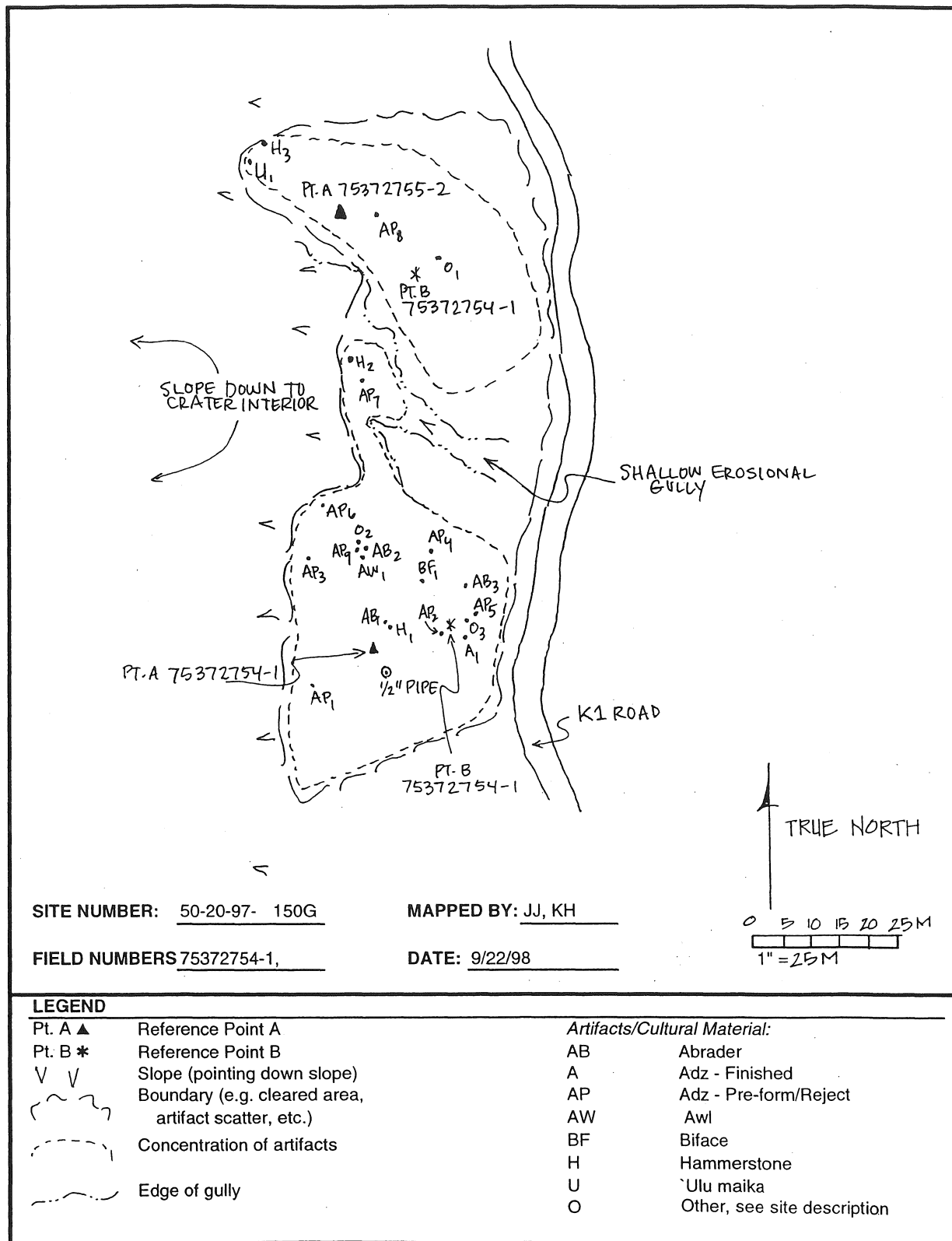
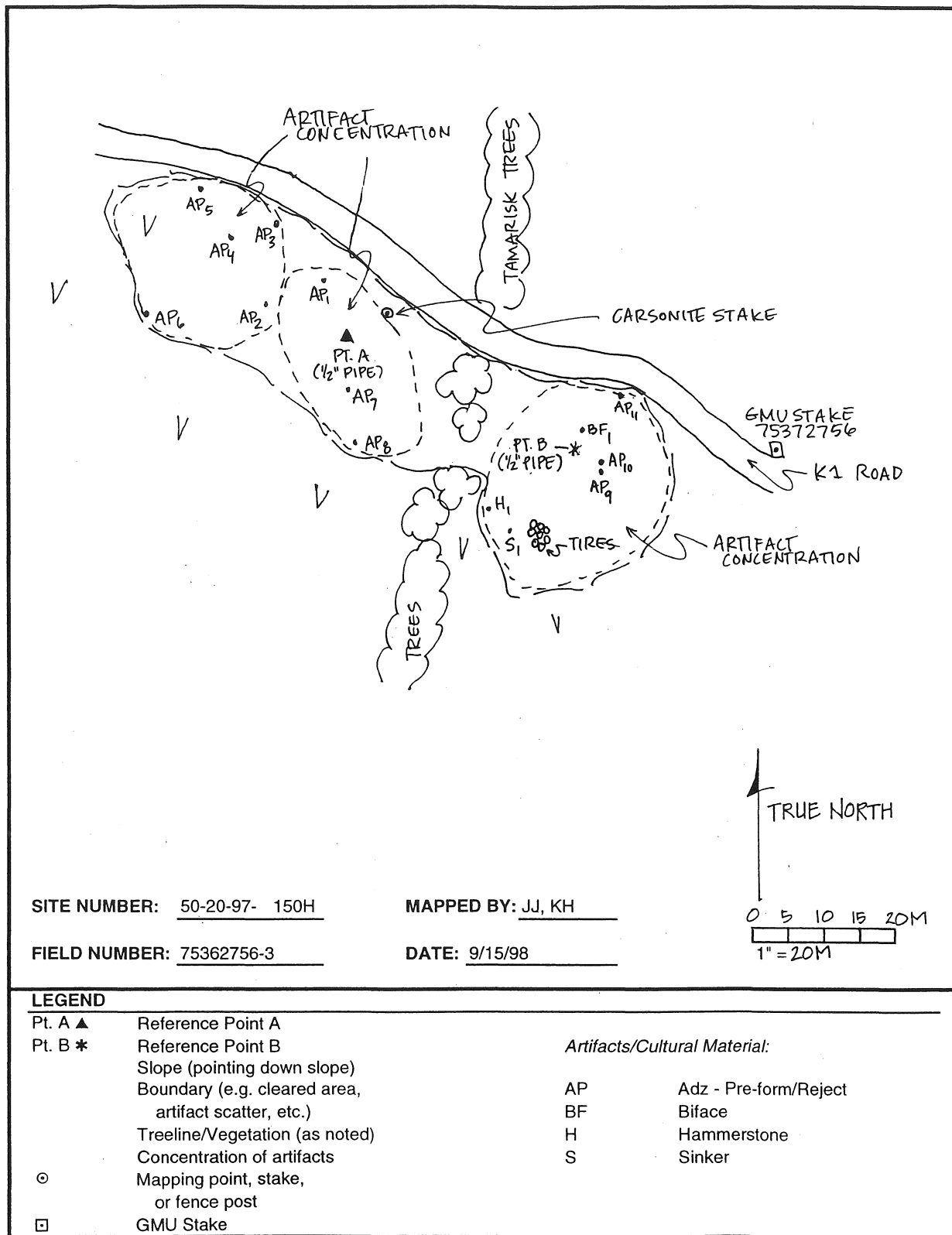


Figure B-43. Site 150, Feature H, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75352756-1
<b>FEATURE:</b> I	<b>GMU:</b> 75352756
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 95 m (L) x 23 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 2185 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 150 consists of a generally low-density scatter of cultural materials listed in the NRHP description. The *in situ* fireplace mentioned in the NRHP description was not relocated. However, in the western end of the site, there is a concentration of fractured basalt, flaked basalt, and shell that may be the remains of the previously identified fireplace that has eroded out of a small remnant hummock. There is a large fine-grained basalt core (BC-1), from which one large flake, broken into two pieces, was found. The two pieces of the broken flake were found approximately 10 m apart. Artifacts recorded at this feature include one adz preform/reject, one hammerstone, three basalt cores, and one basalt awl. Cultural materials are visible on the eroded hardpan surface, though at the edge of the rim there are small hummocks around clusters of very large boulders. Cultural materials were observed within some of these small hummocks. The site is situated at the top of Moa`ulanui crater, with some material falling downslope toward the interior of the crater. The northern boundary of the site is K-1 Road (Figure B-44).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75332756-2
<b>FEATURE:</b> J	<b>GMU:</b> 75332756
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 33 m (L) x 21 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 693 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 150 consists of a low-density scatter of cultural materials listed in the NRHP description, although the fireplaces, the flaked chopper, and the adz blank were not relocated. One flaked basalt artifact recorded as a scraper might be the adz blank, but it would have to be an unusual adz blank. The feature is situated on the northern rim of Moa`ulanui crater, where the rim is low. The site slopes a bit to the south toward the interior of the crater. Cultural materials are visible on the eroded hardpan surface which has almost no vegetation. The feature is adjacent to K-1 Road that forms the northern boundary of the feature (Figure B-45).

Figure B-44. Site 150, Feature I, Plan Map

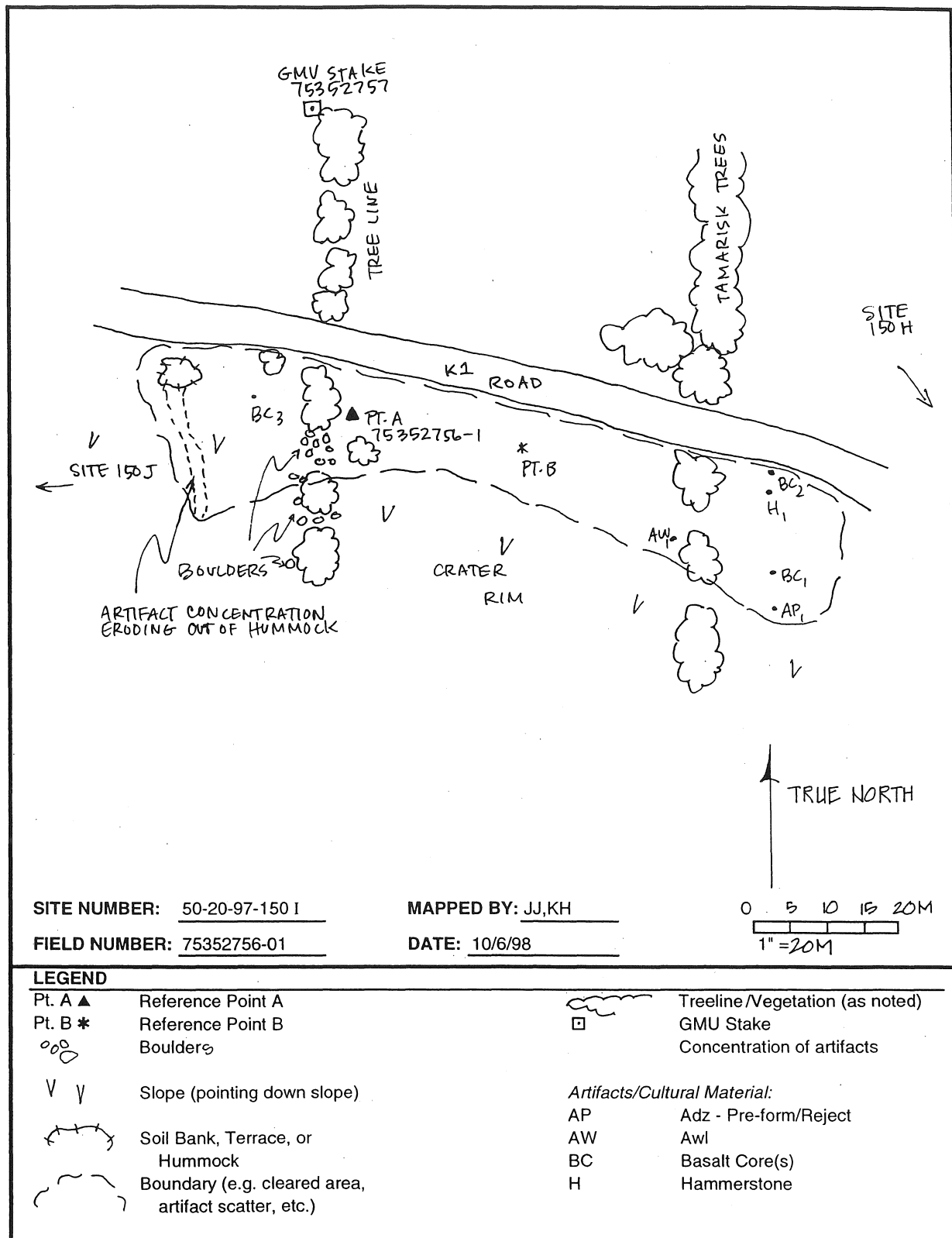
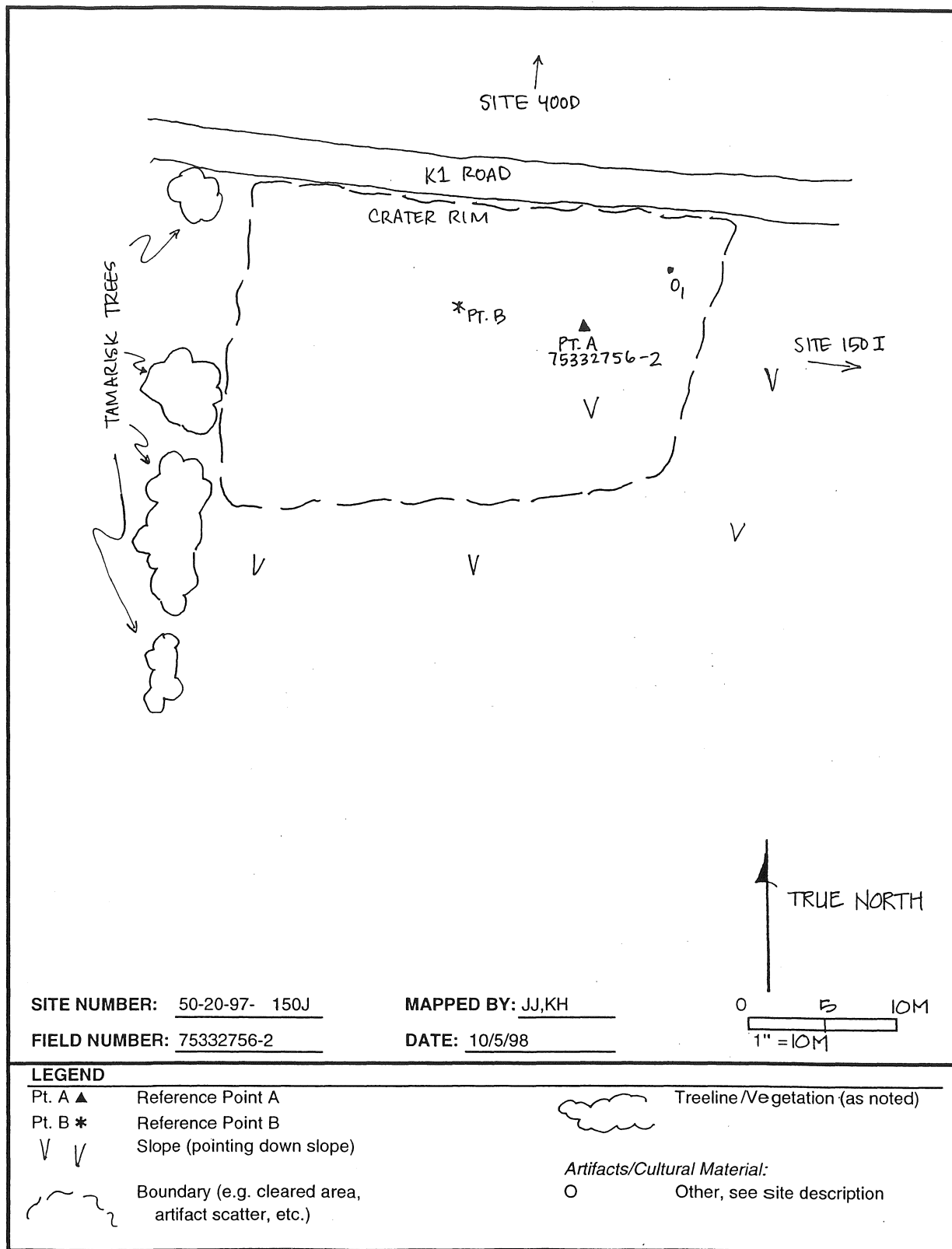


Figure B-45. Site 150, Feature J, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-150

**FEATURE:** K

**STATUS:** Previously Recorded

**SETTING:** Inland, Crater

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Finished Adz, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden, *Cypraea* Shell Lure

**FIELD NO.:** 75312755-2

**GMU:** 75312755

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** > 100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 142 m (L) x 90 m (W)

**SITE AREA:** Approx. 12780 sq. m

**Site Description**

This feature of Site 150 consists of a scatter of cultural materials listed in the NRHP description, though the fireplaces noted on the NRHP Nomination form were not relocated. Artifacts recorded at this feature include four adz preform/rejects, one finished adz, and one basalt awl. There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. Some partially intact areas of grass-covered soil were observed to contain cultural materials, and they may contain the firepits (Figure B-46). A modern four-sided *ahu* has been constructed at the top of the crater rim in the south-central portion of the site. It measures 90 cm high, 105 cm long, and 90 cm wide at the base, and the top measures 68 by 42 cm. It is constructed of basalt cobbles and boulders neatly stacked, with a few basalt artifacts incorporated into the top portion. The top surface has pieces of coral and one very weathered *Cypraea* shell lure. A curvilinear one- to two-course high rock alignment has also been constructed to the northwest of the *ahu*. Because it is built on deflated hardpan, it is likely modern as well.

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**SITE NUMBER (SIHP):** 50-20-97-150

**FEATURE:** L

**STATUS:** Previously Recorded

**SETTING:** Inland, Crater

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75312755-1

**GMU:** 75312755

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** > 100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 63 m (L) x 46 m (W)

**SITE AREA:** Approx. 2898 sq. m

**Site Description**

This feature of Site 150 is generally as described by the NRHP form. The fireplace noted in the NRHP Nomination form was not relocated, possibly due to poor visibility of the grassy edges of the hummocks. Artifacts recorded at this feature include one adz preform/reject, one basalt core, two coral abraders, and one basalt awl. In addition to the materials listed on the NRHP Nomination form, several very small (approximately 1 cm diameter), very smooth, waterworn pebbles were observed at this site. The site is very close to Site 150, feature K, and is located on the Moa ulanui crater rim (Figure B-47). Cultural materials are visible on the hardpan surface that comprises most of the site surface area. Cultural materials can be seen eroding from the partially intact soils of the remaining hummocks.



Figure B-46. Site 150, Feature K, Plan Map

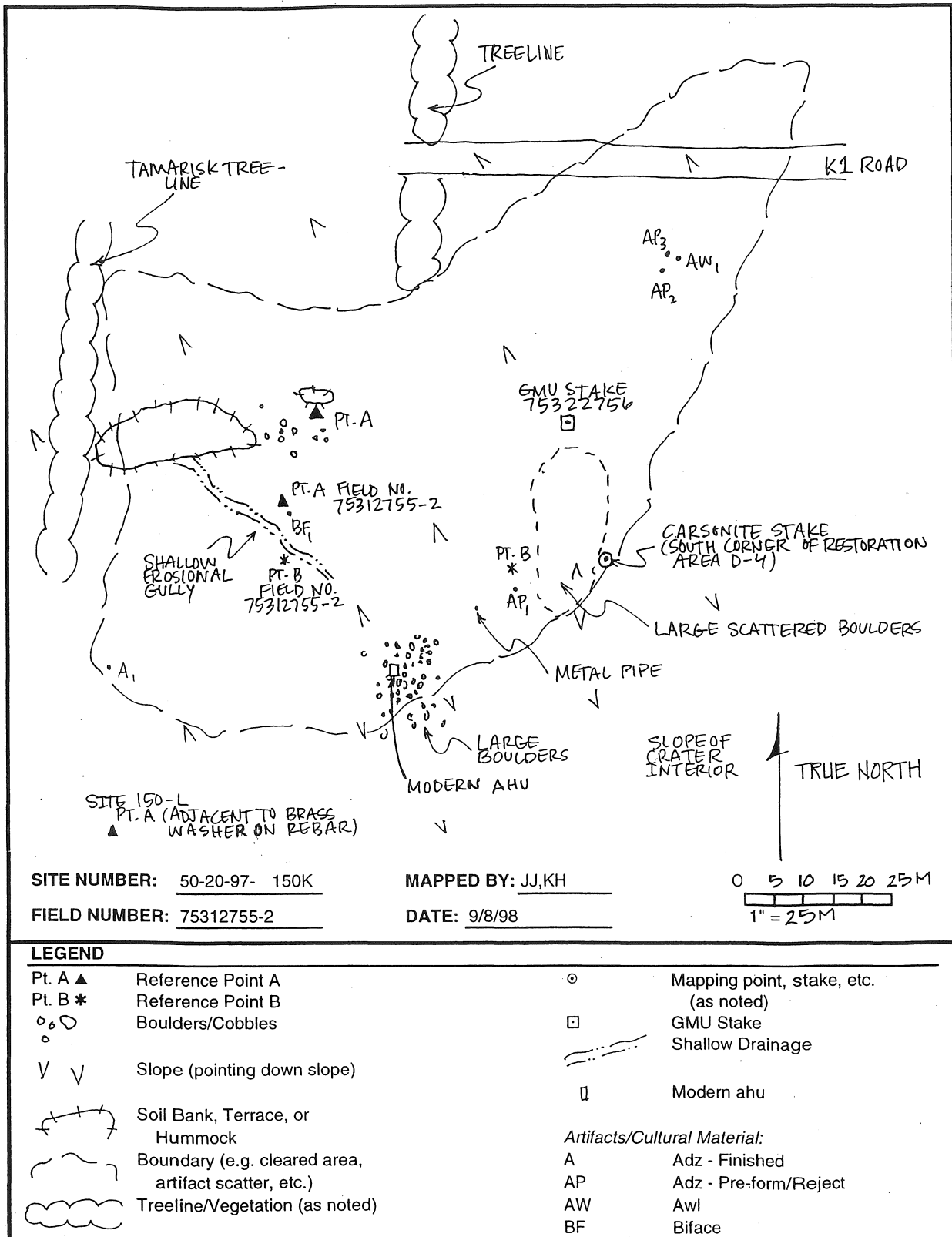
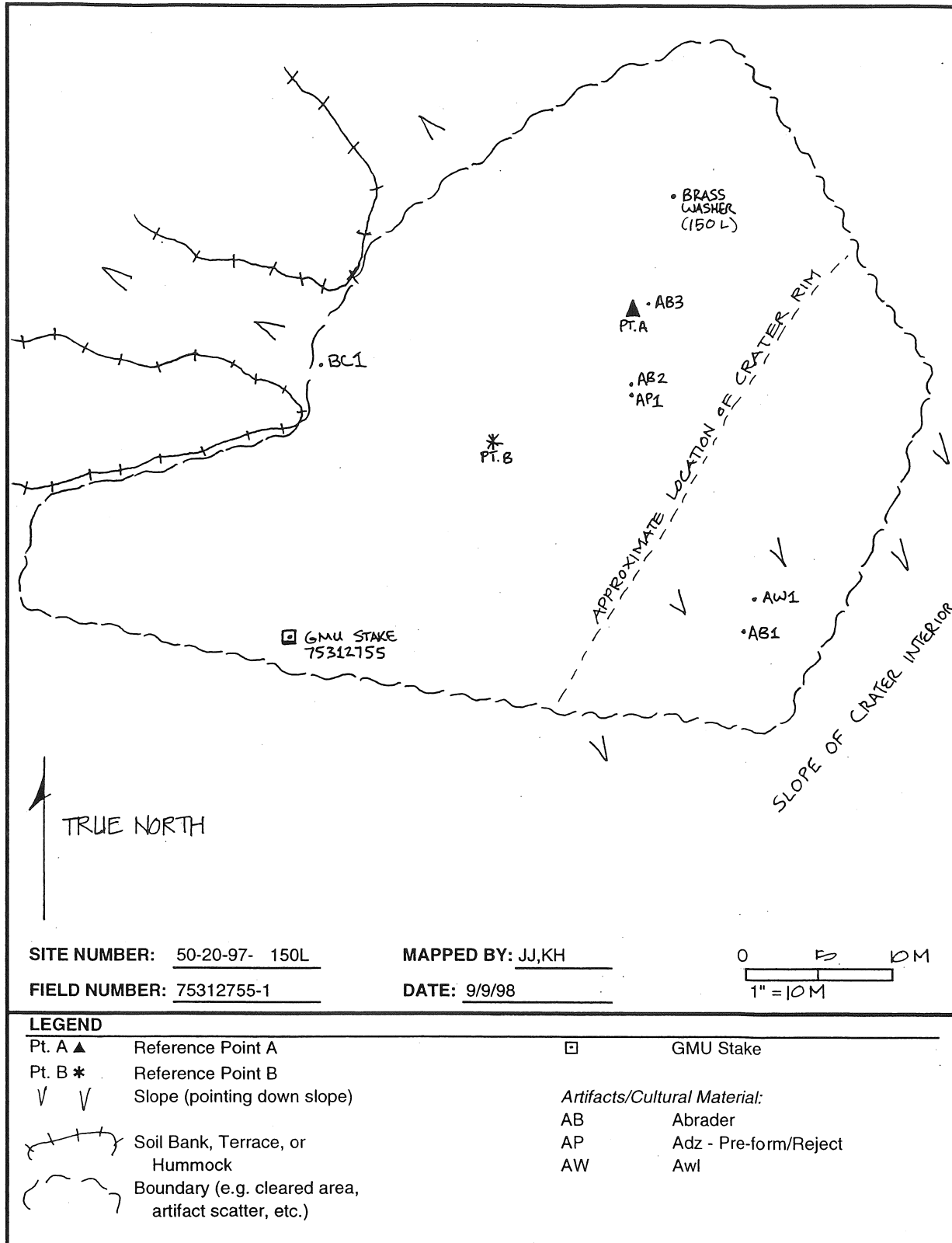


Figure B-47. Site 150, Feature L, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75302754-1
<b>FEATURE:</b> M	<b>GMU:</b> 75302754
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 62 m (L) x 42 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 2604 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 150 consists of a scatter of cultural materials listed in the NRHP Nomination form description, with the addition of one basalt core and a few small waterworn basalt cobbles. The NRHP Nomination form description is generally accurate, except the site as defined is significantly larger than the NRHP definition. The site is situated on the rim of Moa'ulanui crater, in an area that is mostly non-vegetated, except for sparse clumps of grass (Figure B-48).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75312754-1
<b>FEATURE:</b> N	<b>GMU:</b> 75312754
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 26 m (L) x 10 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 260 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 150 consists of a low- to medium-density scatter of fractured basalt, manufacturing debris flakes of fine-grained basalt and volcanic glass, marine shell fragments, and small amounts of coral. Artifacts recorded at this feature include one adz preform/reject, one basalt awl, and one biface. The site is on an eroded hardpan and gravel surface, situated on the inner slope of the western portion of the Moa'ulanui crater (Figure B-49).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75302753-2
<b>FEATURE:</b> O	<b>GMU:</b> 75302753
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 80 m (L) x 42 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 3360 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 150 consists of a scatter of cultural materials listed in the NRHP description, with the addition of the recorded artifacts, including two adz preform/rejects, one hammerstone, and one biface. This site is situated atop the western rim of Moa'ulanui crater and does appear to be eroding from intact deposits. In the southern portion of the site, materials were observed eroding from what appear to be intact deposits. A small portion of the site is on eroded hardpan, where materials appear to have shifted down the inner slope of the crater. The density of the material scatter is low, on average, but some areas have high-density concentrations (Figure B-50).

Figure B-48. Site 150, Feature M, Plan Map

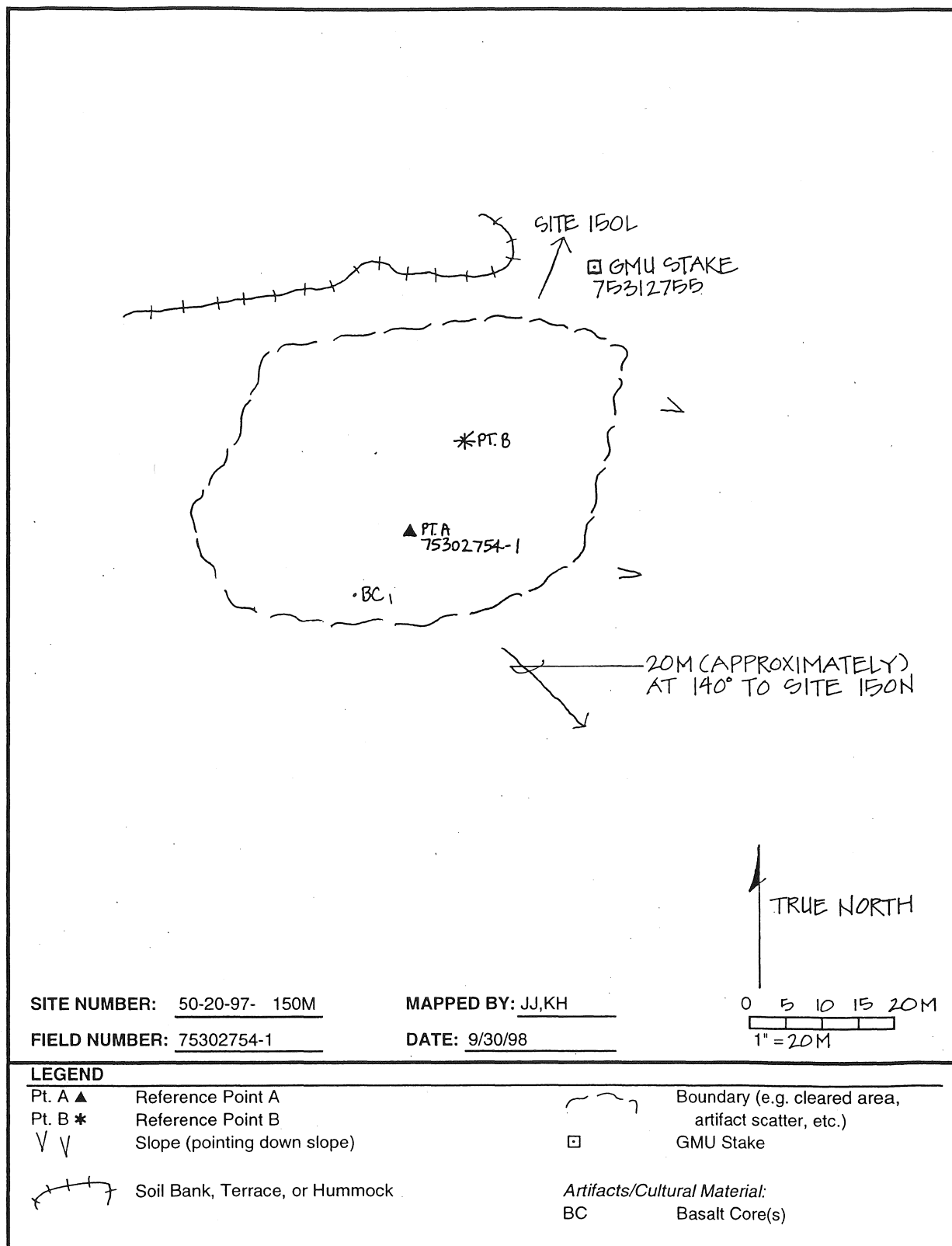


Figure B-49. Site 150, Feature N, Plan Map

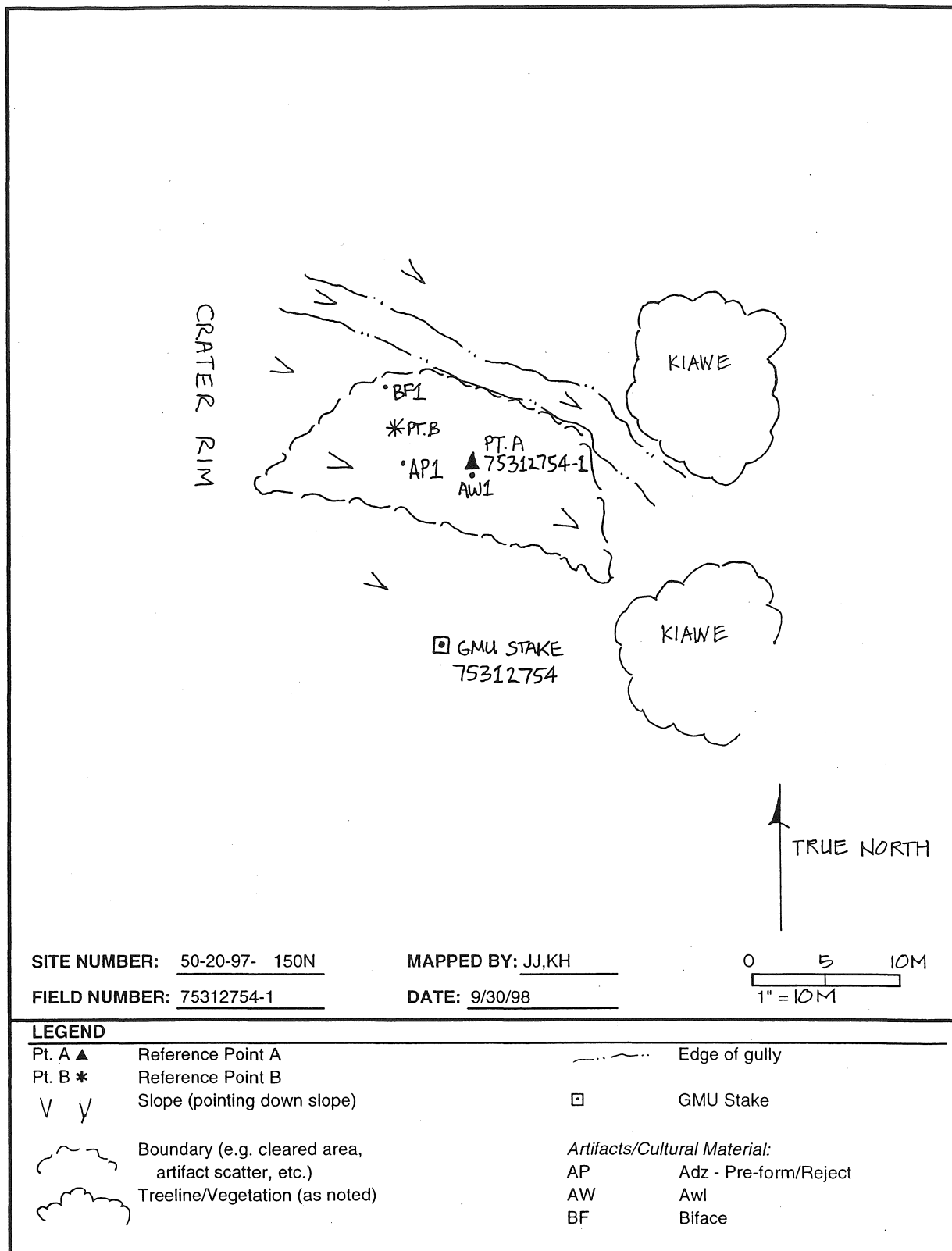
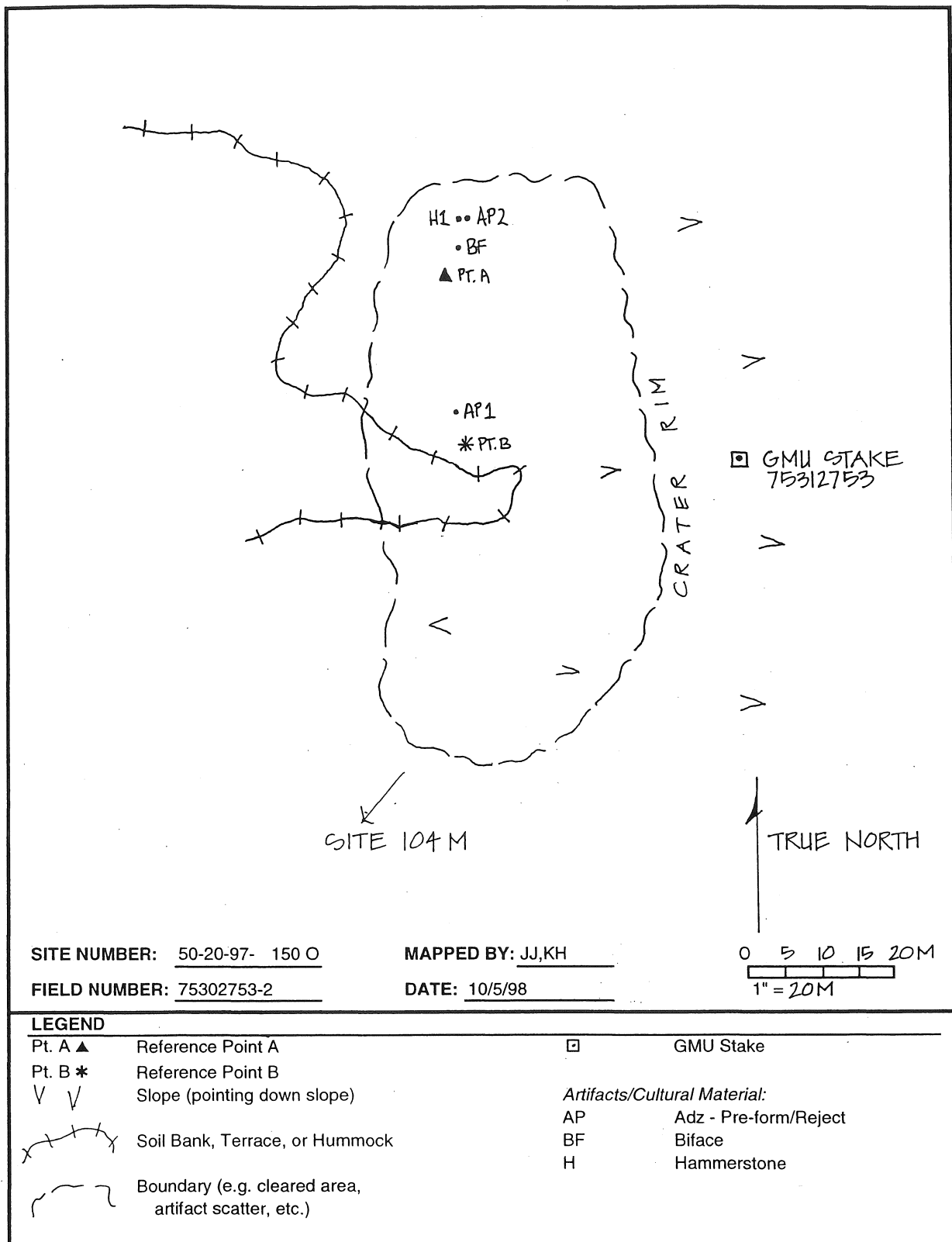


Figure B-50. Site 150, Feature O, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75312754-2
<b>FEATURE:</b> P	<b>GMU:</b> 75312754
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 79 m (L) x 69 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 5451 sq. m
<b>MATERIAL CHARACTERISTICS:</b>	

Abrader, Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 150 consists of a generally low-density scatter of fractured basalt, manufacturing debris flakes of fine-grained basalt and volcanic glass, and basalt artifacts. There are also a few marine shell fragments and small waterworn cobbles. Artifacts recorded at this feature include two adz preform/rejects, one hammerstone, and one biface. The scatter is mostly low-density, but a few locations have materials in high-density concentrations. There are also a few fragments of coral. The site is situated on the inner slope of the northwestern portion of Moa'ulanui crater. Cultural materials are visible on the non-vegetated eroded hardpan surface, between the areas of soil that are covered with thick grass and *koa haole* trees. The site as identified today is somewhat smaller than previously defined, which may be due to increased vegetation cover of the southern portion of the previous site area (Figure B-51).

<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75332753-1
<b>FEATURE:</b> Q	<b>GMU:</b> 75332753
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 34 m (L) x 21 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 714 sq. m
<b>MATERIAL CHARACTERISTICS:</b>	

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 150 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of a few pieces of coral and one hammerstone. The site is situated in the Moa'ulanui crater interior, where there is dense vegetation cover (grass, lantana, *koa haole*, and sparse *kiawe*). Cultural materials are visible in eroded areas on the north and south sides of a hummock. The site as observed now is quite a bit smaller than originally recorded. This possibly due to increased vegetation cover after the removal of the goats (Figure B-52).

Figure B-51. Site 150, Feature P, Plan Map

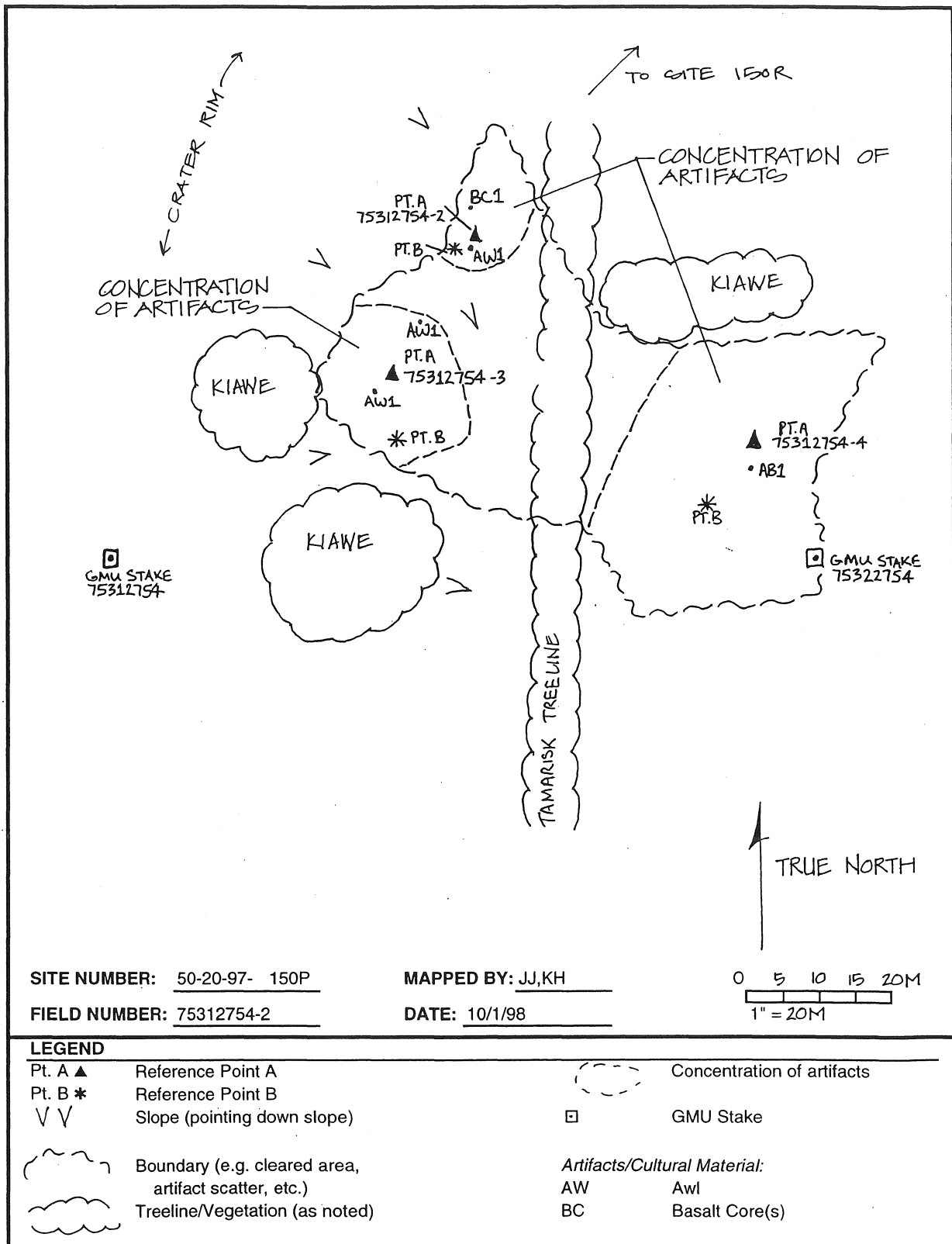
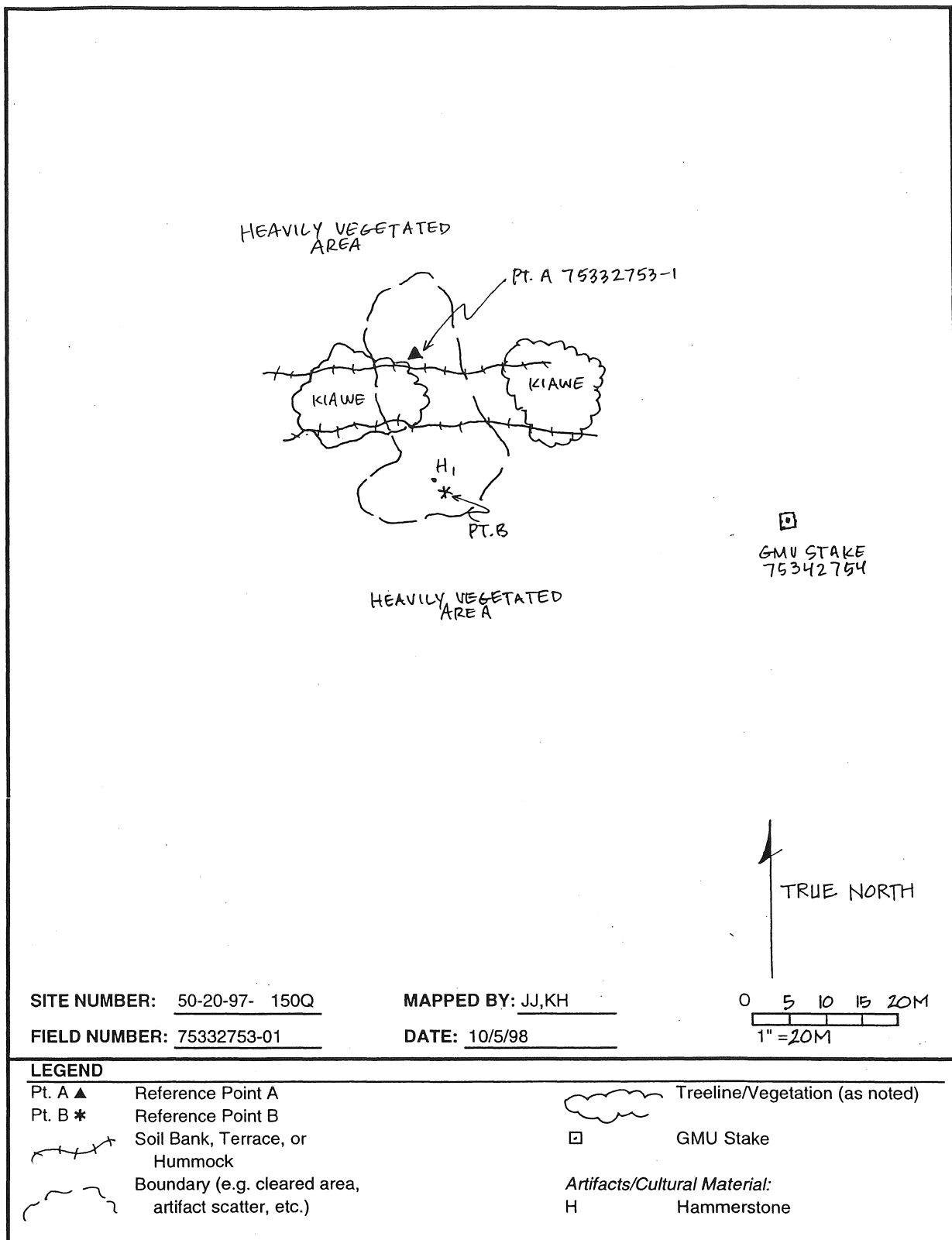




Figure B-52. Site 150, Feature Q, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75312754-5
<b>FEATURE:</b> R	<b>GMU:</b> 75312754
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 48 m (L) x 34 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1632 sq. m

**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 150 consists of a low-density scatter of fractured basalt, fine-grained basalt flakes, volcanic glass flakes, a few marine shell fragments, coral fragments, flaked basalt artifacts, and a volcanic glass core. Artifacts recorded include one adz preform/reject, one basalt awl, and one miscellaneous artifact. The site is situated on the lower inner slope of the northwestern portion of the Moa`ulanui crater, and is adjacent to Site 150-P (Figure B-53). Cultural materials are visible on the non-vegetated soil and hardpan areas between the patches of soil that are covered with grass, lantana, *koa haole*, and *kiawe*. There are also a few small waterworn cobbles. This site also has one large (6 x 6 cm) piece of banded chalcedony with cortex on both sides. Feature 150-K, just up the crater slope from this site, also has one fragment of this type of rock, and the *lei palaoa* at Site 104-M is constructed of a similar material.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-150	<b>FIELD NO.:</b> 75332754-1
<b>FEATURE:</b> S	<b>GMU:</b> 75332754
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Crater	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 22 m (L) x 6 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 132 sq. m

**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 150 consists of a very low-density scatter of materials listed in the NRHP Nomination form description. As presently observed, there is only one fragment of marine shell, one volcanic glass flake, a few basalt flakes, a few pieces of fractured basalt, and one adz preform that was mentioned in the NRHP description. The site is situated in the northwest interior of Lua Makika crater. The few cultural remains are visible in non-vegetated hardpan areas, and the site is much smaller than originally defined. Within and surrounding the site, the ground is heavily vegetated with grass, *koa haole*, lantana, and *kiawe*. This site has probably been overgrown since it was originally identified (Figure B-54).

Figure B-53. Site 150, Feature R, Plan Map

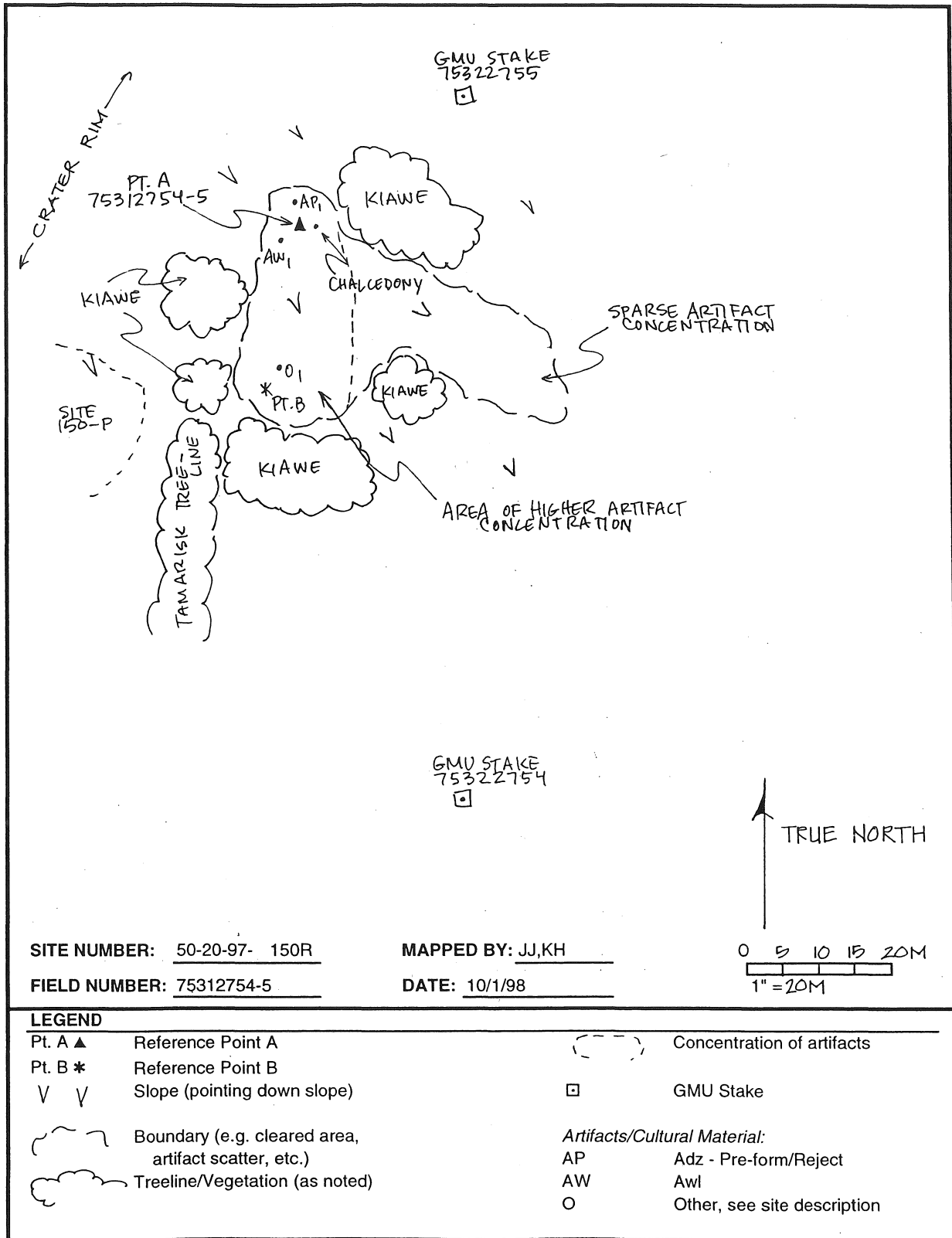
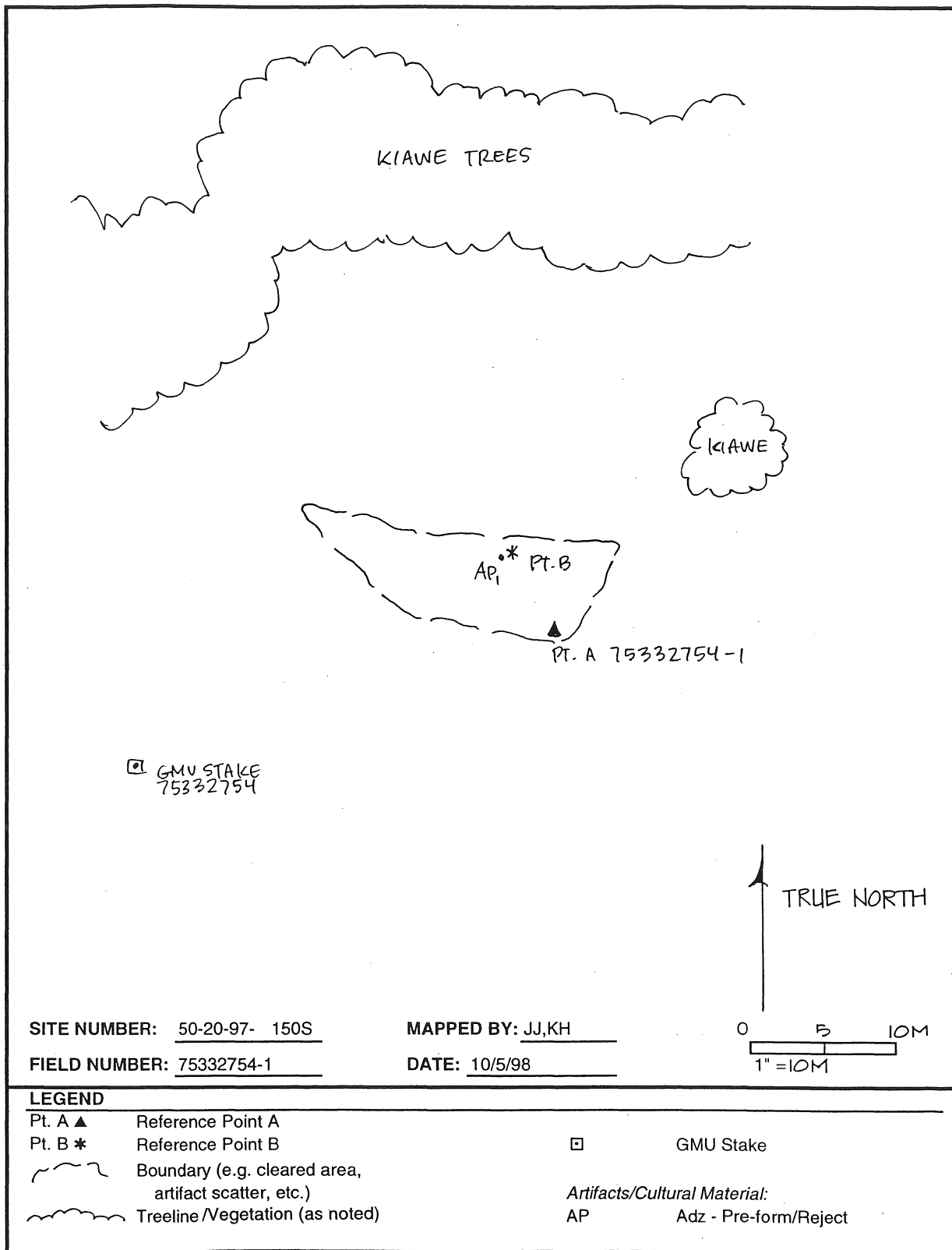


Figure B-54. Site 150, Feature S, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-150  
**FEATURE:** T  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Crater  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75322755-1  
**GMU:** 75322755  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 60 m (L) x 17 m (W)  
**SITE AREA:** Approx. 1020 sq. m

#### Site Description

This feature of Site 150 is situated on the inner slope (SSE) of the Moa`ulanui crater, about midway between the top of the rim and the base of the interior. The feature consists of a scatter of cultural materials listed in the NRHP Nomination form description. The chipped basalt awl that was mentioned in the 150-T NRHP description was relocated and recorded along with one adz preform/reject. The density of cultural materials is generally low, though in a couple of places it is medium to high. The visible portion of the site is on eroded hardpan, downslope from two high hummocks (Figure B-55).

**SITE NUMBER (SIHP):** 50-20-97-150  
**FEATURE:** U  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Crater  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75372750-1  
**GMU:** 75372750  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** High  
**SITE DIMENSIONS:** 160 m (L) x 48 m (W)  
**SITE AREA:** Approx. 7680 sq. m

#### Site Description

This feature of site 150 feature consists of a scatter of cultural materials listed in the NRHP Nomination Form description. Much of the material on the surface is fractured basalt, with basalt debitage being the next most frequent item. There is a greater quantity of volcanic glass flakes, shatter, nodules, and core rejects, than at all other features of Site 150, except feature D to the southwest. Artifacts recorded at this feature include three adz preform/rejects, three basalt awls, one biface, one scoria abrader, three *`ulu maika*, and three miscellaneous artifacts. Of the three *`ulu maika* at this site, two are not finished pieces, but are clearly *`ulu maika* in production. All three *`ulu maika* are made of the same vesicular basalt (the same color and pore size). The site is situated atop the Moa`ulanui crater rim, with portions of the site on the interior and exterior crater slopes. Cultural material at this site is most concentrated on the crater rim and decreases toward the perimeter (Figure B-56).

Figure B-55. Site 150, Feature T, Plan Map

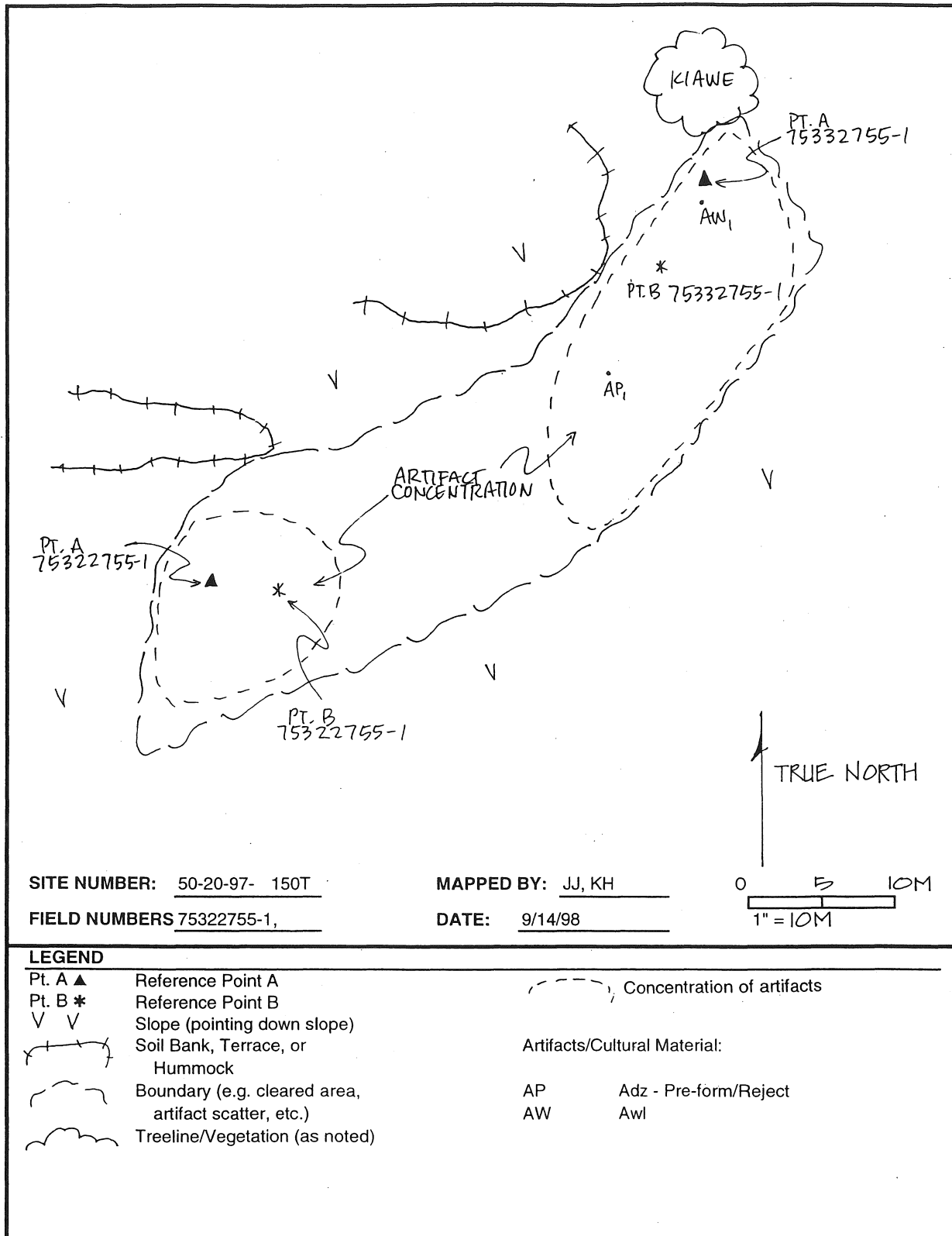
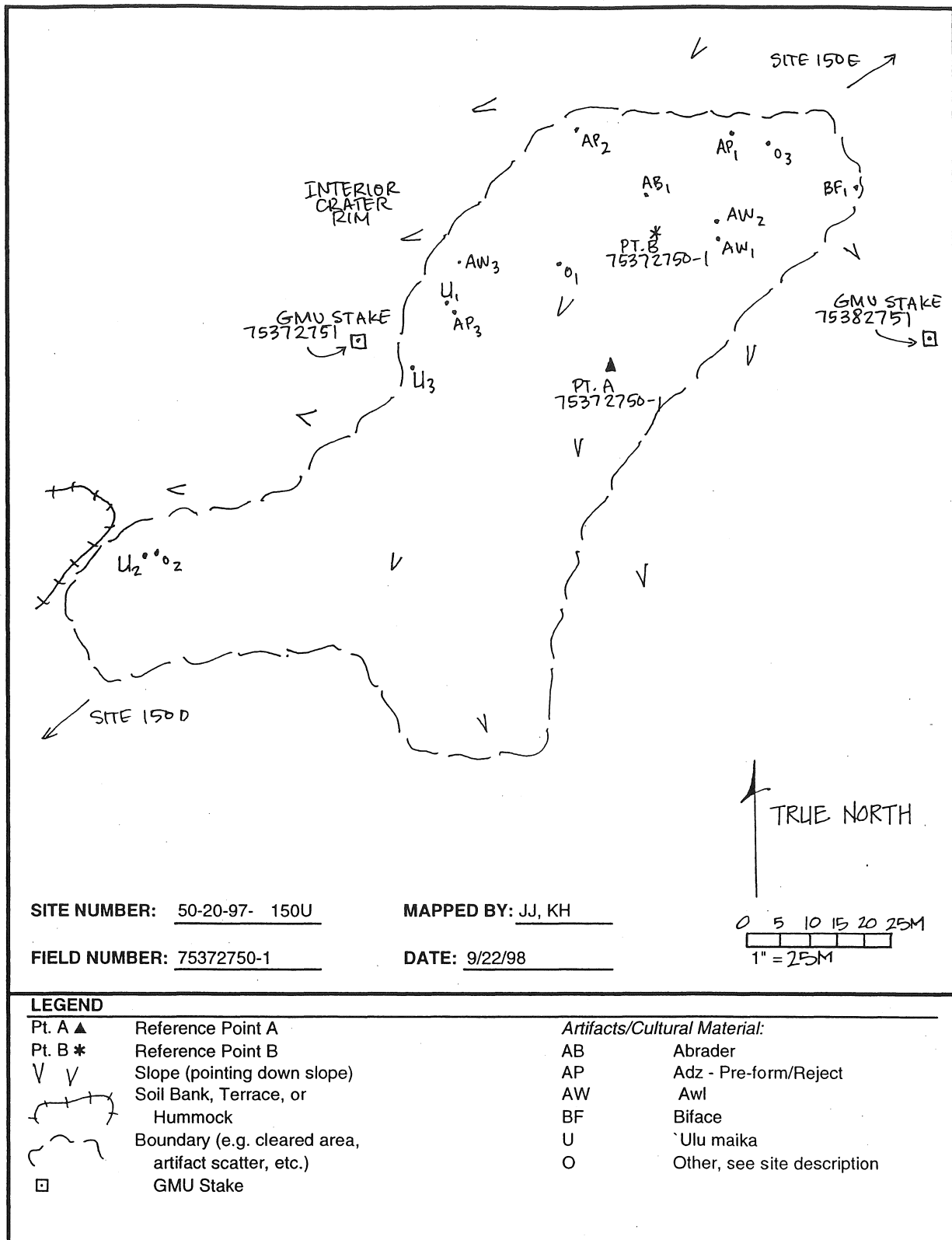


Figure B-56. Site 150, Feature U, Plan Map



<b>SITE NUMBER (SIHP):</b> 161	<b>FIELD NO.:</b> 75322746-1
<b>FEATURE:</b> None	<b>GMU:</b> 75322746
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 245 m (L) x 120 m (W)
<b>SITE FUNCTION:</b> Habitation, Activity Area	<b>SITE AREA:</b> Approx. 29400 sq. m

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Finished adz, Fireplace, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Site 161 is situated in a mostly denuded area, interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7). The site sits at an elevation of approximately 400 m and is within Hommon's Inland Settlement Zone (1980:48).

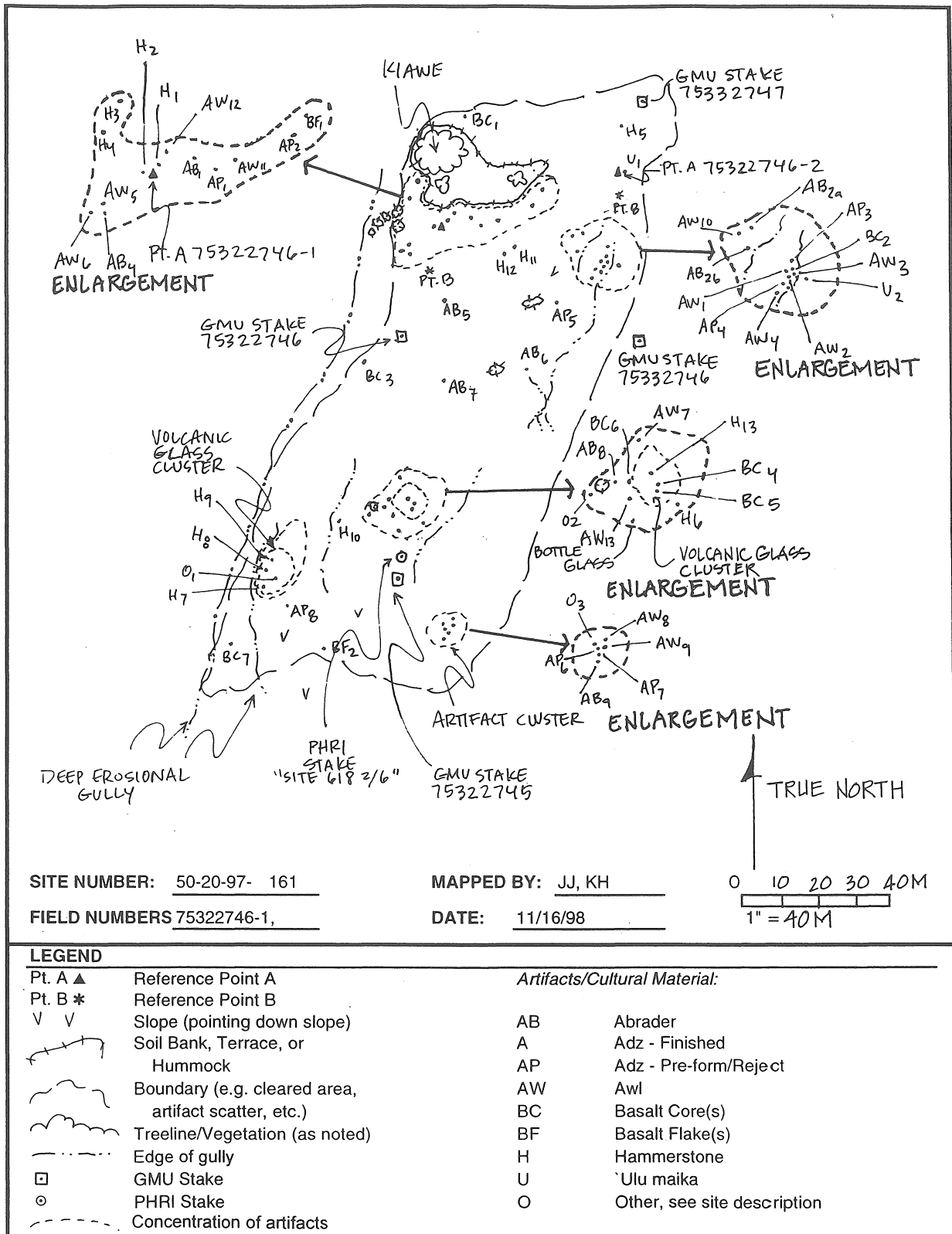
The site consists of a large low- to high-density scatter of cultural materials, as listed in the NRHP Nomination form description, with the addition of the many finished and unfinished tools. Artifacts recorded at this feature include eight adz preform/rejects, 13 hammerstones, seven basalt cores, eight coral abraders and one made of scoria, 13 basalt awls, two bifaces, one adz, two *`ulu maika*, one basalt scraper, and two miscellaneous artifacts.

The density of the scatter is low to medium over the entire site, with discrete areas of high-density scatters of cultural material. There are three areas with high-density concentrations of volcanic glass flakes, nodules, and cores. The area to the south of the large hummock has the highest-density concentration of artifacts and cultural materials, including volcanic glass. The area with the high-density volcanic glass concentration in the southwest portion of the site also contains several small waterworn pebble hammerstones, which are the right size for use on small volcanic glass cores and nodules (Figure B-57). Cultural materials noted but not listed in the NRHP description include many branch coral fragments, waterworn cobbles, and some vesicular waterworn cobbles (oval-shaped). Specimens of helmet (*Cassia spp.*) and augur shell were also observed. The one large hummock in the northern portion of the site appears to have eroded since the initial feature description, as the fireplace appears to have fallen out of the hummock face, leaving only the scattered cultural materials in the face. The variety of tool types recorded at this site is quite extensive, which generally implies that a wide range of activities was performed there. This wide range of activities, combined with the generally high density of the material remains and the presence of firepit remains in the face of the hummock, suggest that this site functioned as some sort of habitation of an indefinite duration.

Materials are visible mostly on the eroded, non-vegetated surfaces of the site that comprise approximately 50% of the site surface area. The remainder of the feature consists of a large hummock, small low hummocks, and shallow soil patches, covered primarily with grasses, *koa haole*, and saltbush.



Figure B-57. Site 161, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** O  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75222751-1  
**GMU:** 75222751  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 59 m (L) x 52 m (W)  
**SITE AREA:** Approx. 3068 sq. m

#### Site Description

Site 195 was described on the NRHP Nomination form as comprised of an extensive cluster of 114 activity areas. The activity areas consist of shell midden, flakes of basalt and volcanic glass, basalt artifacts, and fire-cracked rocks. The features vary in complexity from simple concentrations of fractured basalt, interpreted to be fire-cracked rocks from eroded fireplaces, to multi-use activity areas, including basalt and volcanic glass tool production workshops (Figures 3-5, and 3-7).

Nineteen previously recorded features of Site 195 were relocated and recorded in the K-1 Road work area. Four previously recorded features located in the K-1 Road work area were not relocated. Feature BJ was likely recorded as part of Feature AA, not being recognizable as a separate scatter. Features BY, DK and DM were not relocated, likely having been destroyed by the planting of tree-line windbreaks. Two newly discovered, cultural material scatters were recorded within the boundaries of the Site 195 complex and were assigned new feature designations DN and DO.

#### Feature O Description

This feature of Site 195 consists of a low-to high-density scatter of fractured basalt, flakes and cores of volcanic glass and basalt, basalt tools and tool fragments, marine shell midden, and coral fragments. Marine shell species observed include *Cypraea* and *Thaididae* spp. Artifacts recorded at this feature include five adz preform/rejects, one hammerstone, two basalt cores, one basalt abrader, three basalt awls, and one miscellaneous artifact (Figure B-58). Approximately 60% to 70% of the feature surface area is exposed eroded hardpan. The remainder of the feature area is covered with grass and lantana growing on shallow soils. There is a planted tree-line windbreak through the feature. The NRHP Nomination form description notes that a human sternum and polished adz flakes were found on this site, but they were not relocated during this project.

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**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** P  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75222751-3  
**GMU:** 75222751  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 36 m (L) x 24 m (W)  
**SITE AREA:** Approx. 864 sq. m

#### Site Description

This feature of Site 195 consists of a low- to high-density scatter of fractured basalt, basalt and volcanic glass debitage and cores, basalt artifacts, marine shell midden, and a few coral fragments. Artifacts recorded include one adz preform/reject, one basalt awl, and one miscellaneous artifact. There are some relatively large pieces of volcanic glass at this site, compared to other features in the Site 195 complex. Marine shell species include *Thaididae*, *Cypraea*, and an unidentified large species, possibly helmet (*Cassia* spp.). Cultural materials are visible on the hardpan surface that comprises approximately 70-80% of the site area. The remainder is covered with dense grass and lantana growing on shallow soils (Figure B-59).

and lantana growing on shallow soils (Figure B-59).

Figure B-58. Site 195, Feature O, Plan Map

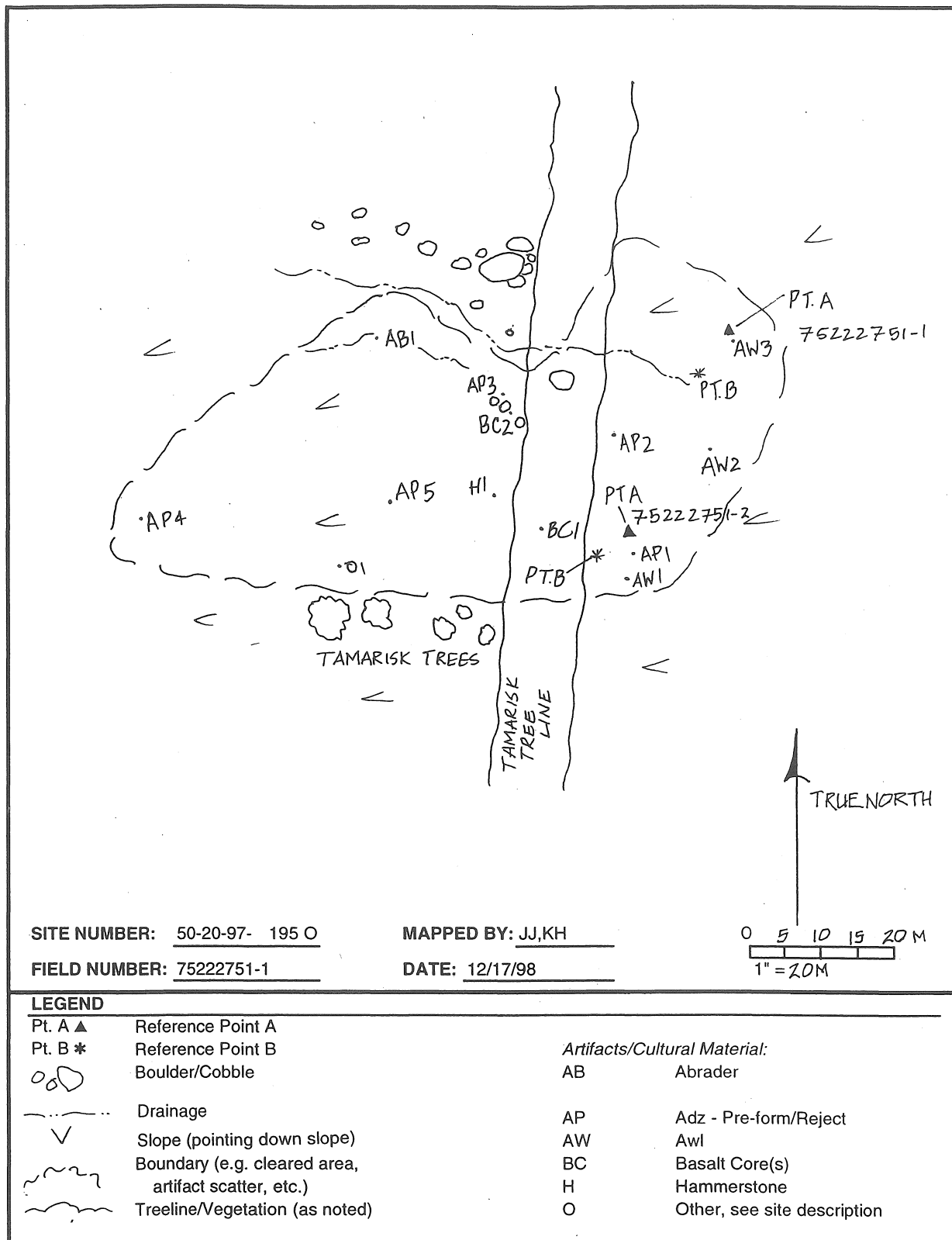
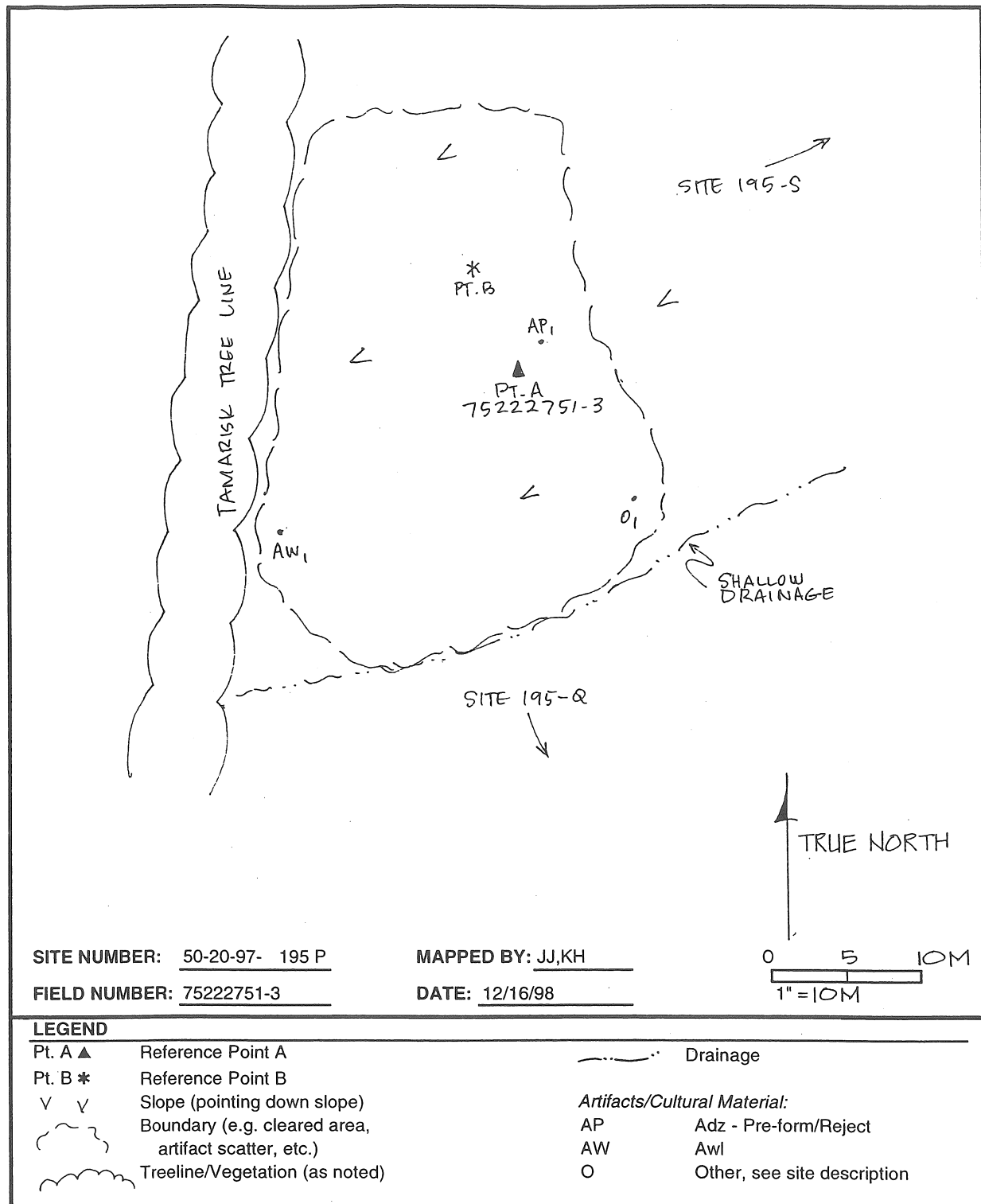


Figure B-59. Site 195, Feature P, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-195

**FEATURE:** Q

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75222750-1

**GMU:** 75222750

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** > 100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 33 m (L) x 18 m (W)

**SITE AREA:** Approx. 594 sq. m

**Site Description**

This feature of Site 195 consists of a generally low-density scatter of fractured basalt, basalt debitage, and a small amount of marine shell midden. Marine shell species include *Thaididae* and *Cypraea spp.* One basalt core was recorded at this feature. Cultural materials are visible on the eroded hardpan surface that comprises approximately 90% of the site area. The remainder is covered with grass growing on shallow soils (Figure B-60).

**SITE NUMBER (SIHP):** 50-20-97-195

**FEATURE:** R

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes

**FIELD NO.:** 75222750-2

**GMU:** 75222750

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 13 m (L) x 10 m (W)

**SITE AREA:** Approx. 130 sq. m

**Site Description**

This feature of Site 195 consists of a small, low-density scatter of fractured basalt and basalt and volcanic glass debitage. One basalt scraper was recorded at this feature. The NRHP Nomination form description lists a *Cypraea* shell lure, but it was not relocated. The ground surface of the feature is 80% to 90% eroded hardpan, with the remaining portion covered with grass growing on shallow soils (Figure B-61).

**SITE NUMBER (SIHP):** 50-20-97-195

**FEATURE:** S

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75222751-4

**GMU:** 75222751

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** > 100 Items

**CULTURAL MATERIAL DENSITY:** Medium

**SITE DIMENSIONS:** 51 m (L) x 26 m (W)

**SITE AREA:** Approx. 1326 sq. m

**Site Description**

This feature of Site 195 consists of five clusters of fire-cracked rock and cultural material scatters, as listed on the NRHP Nomination form description. Cultural materials include basalt flakes and cores, coral fragments, and marine shell midden. Marine shell species include *Thaididae*, *Cypraea*, and *Cellana spp.* (small quantities of each). Artifacts recorded include two hammerstones, one basalt mortar or *kukui* oil lamp fragment, and two basalt scrapers. The east half of the feature has been disturbed by the planting of a tamarisk tree-line windbreak. Approximately 80% of the feature surface is eroded hardpan; the remainder is covered with grass growing on shallow soils, and the planted tree-line windbreak (Figure B-62).

Figure B-60. Site 195, Feature Q, Plan Map

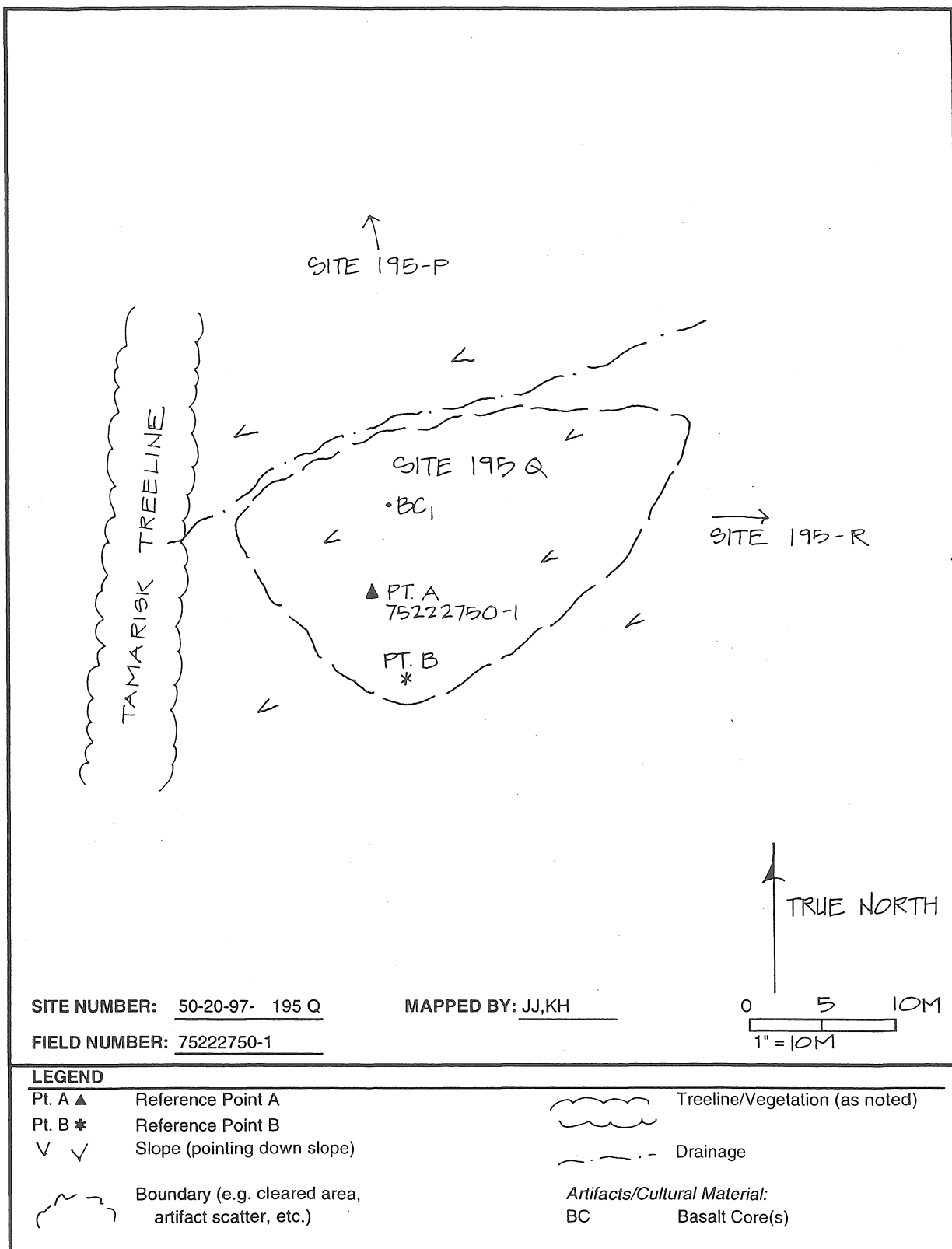


Figure B-61. Site 195, Feature R, Plan Map

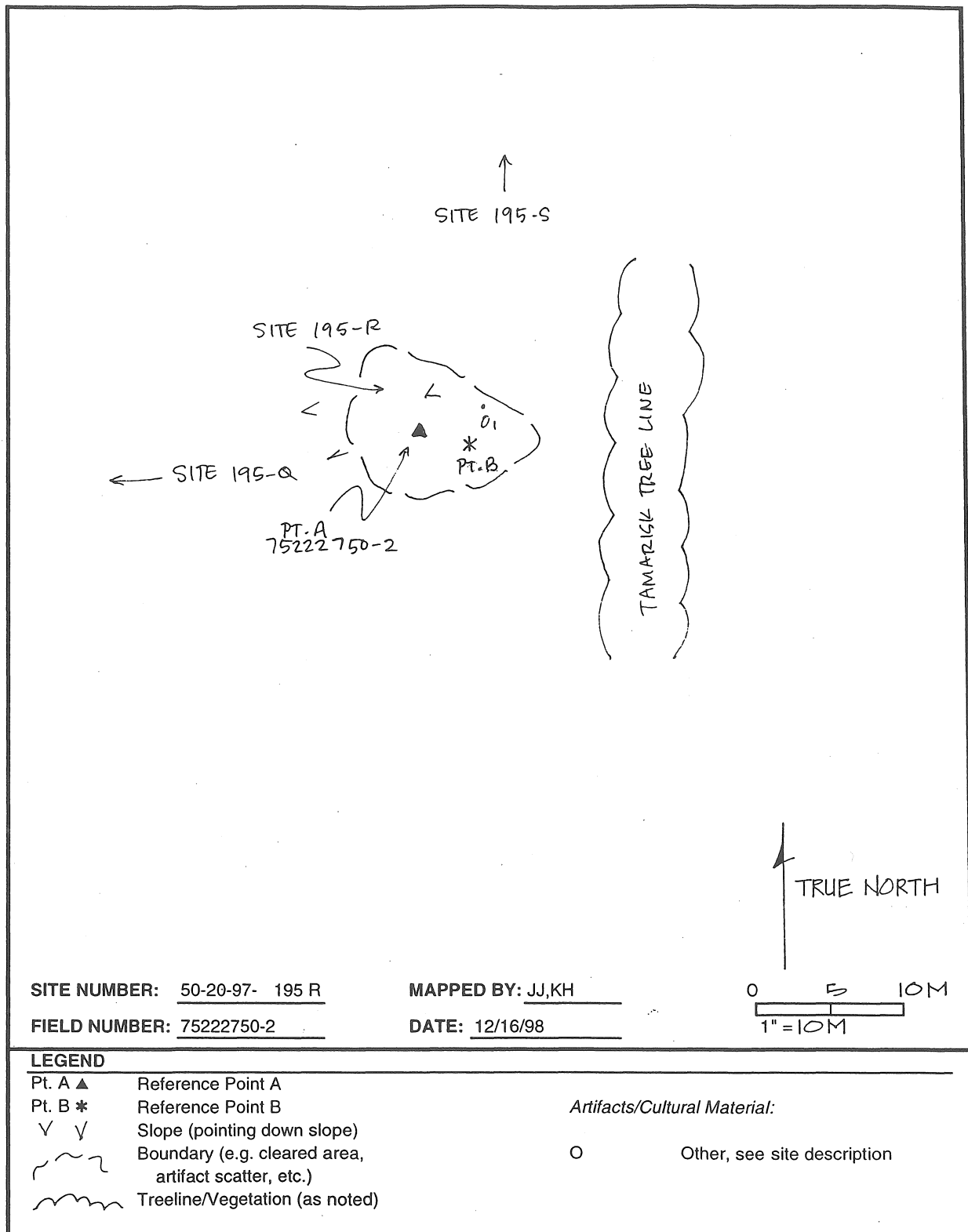
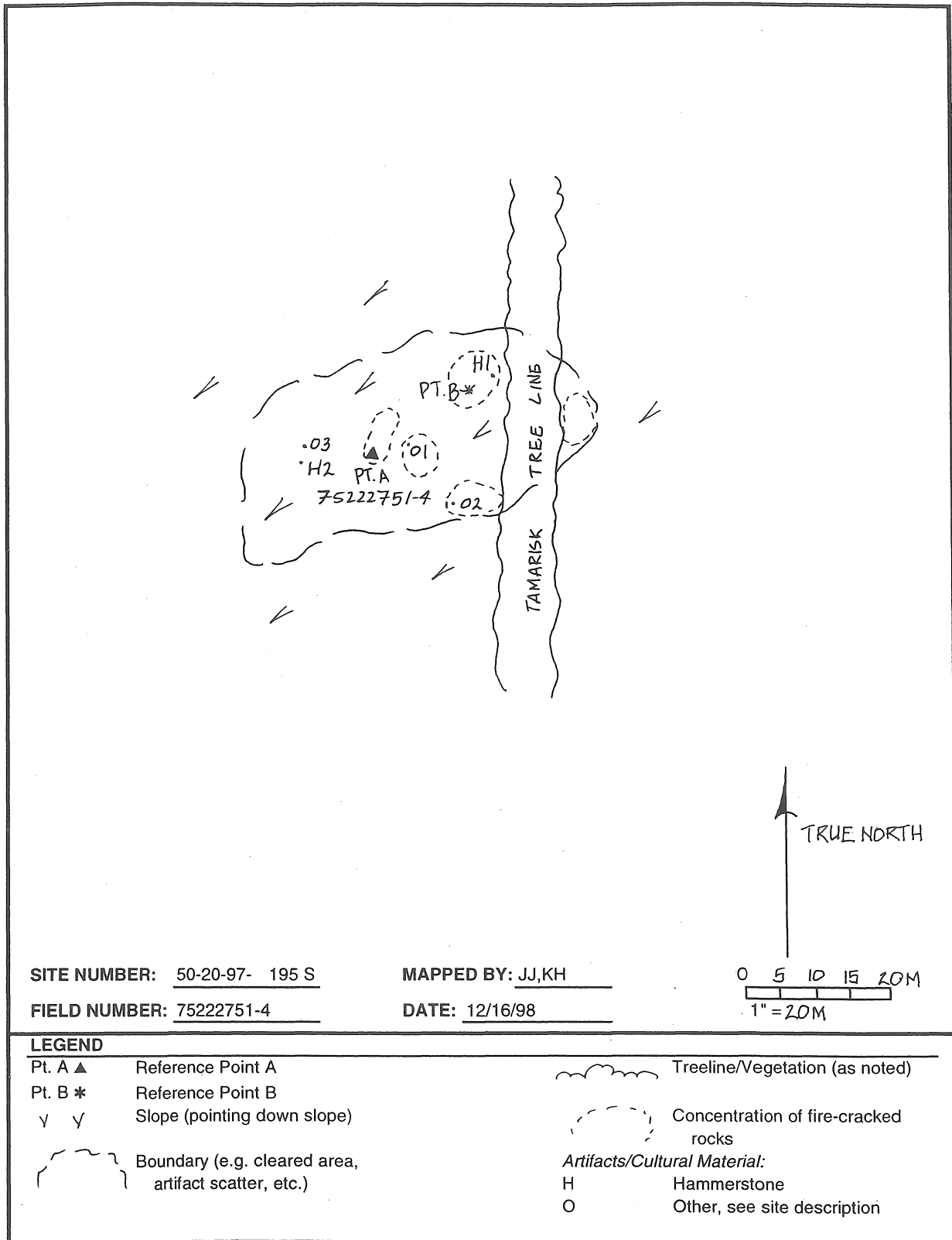


Figure B-62. Site 195, Feature S, Plan Map





**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** AA  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75212749-1  
**GMU:** 75212749  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 68 m (L) x 22 m (W)  
**SITE AREA:** Approx. 1496 sq. m

Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 195 consists of a low-density scatter of fire-cracked rock, manufacturing debris flakes and cores of basalt and volcanic glass, basalt and coral artifacts, and a small amount of marine midden. Marine shell species observed include *Cypraea* and *Thaididae spp.* Artifacts recorded at this feature include one adz preform/reject, one coral abrader, and two miscellaneous artifacts. Cultural materials are visible on the eroded hardpan surface that comprises approximately 75% of the feature area surface; the remainder is covered by grass and lantana growing on shallow soils. There are two wild tobacco trees on the western perimeter of the feature. The feature is located on the western slope of Moa'ulanui on the northwest side of K-1 Road (Figure B-63). The southeastern portion of the feature is located where feature BJ is shown on the NRHP Nomination form map, but the material remains there do not fit the 195-BJ description.

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** AC  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75212749-3  
**GMU:** 75212749  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 12 m (L) x 11 m (W)  
**SITE AREA:** Approx. 132 sq. m

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 195 consists of a high-to low-density scatter of fractured basalt, basalt and volcanic glass debitage and cores, and marine midden. Marine shell species observed include *Cypraea* and *Thaididae spp.* Artifacts recorded include one adz preform/reject, one basalt awl, and one basalt core. Cultural materials are visible on the eroded hardpan surface that comprises approximately 40% of the site surface area. The remainder is covered with grass and lantana growing on shallow soils (Figure B-64).

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BK  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75222749-5  
**GMU:** 75222749  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 9 m (L) x 9 m (W)  
**SITE AREA:** Approx. 81 sq. m

Fractured Basalt

#### Site Description

This feature of Site 195 consists of a low-density scatter of fractured basalt, identified on the NRHP Nomination form as fire-cracked rock. This site is located entirely on highly eroded hardpan adjacent to K-1 Road (northwest side) at the nine-mile marker (Figure B-65).

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BM  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75192746-1  
**GMU:** 75192746  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 35 m (L) x 17 m (W)  
**SITE AREA:** Approx. 595 sq. m

Fractured Basalt, Other Artifacts, Basalt Flakes

#### Site Description

This feature of Site 195 consists of a scatter of fractured basalt and fine-grained basalt debitage. There is a dense concentration of fractured basalt which is likely what was originally described on the NRHP Nomination form as the 3 by 5 m scatter of fire-cracked rock and flakes. Some head coral fragments are also present at this site. Materials are visible on eroded hardpan surface that comprises about 85% of the site surface area; the remainder consists of small patches of grass and lantana growing on shallow soils (Figure B-66).

---

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BO  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Other Items

**FIELD NO.:** 75202746-3  
**GMU:** 75202746  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 10 m (L) x 9 m (W)  
**SITE AREA:** Approx. 90 sq. m

#### Site Description

This feature of Site 195 consists of a small scatter of fractured basalt and one small waterworn vesicular basalt cobble. The site has part of one small patch of grass-covered soil, and it is located adjacent to the northwest side of K-1 Road (Figure B-67).

---

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BP  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75202746-2  
**GMU:** 75202746  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 11 m (L) x 10 m (W)  
**SITE AREA:** Approx. 110 sq. m

Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 195 consists of a medium-density scatter of mostly fractured basalt, volcanic glass debitage, and three small fragments of marine shell (most likely *Thaididae* spp.). There are also some basalt flakes and one piece of coral present. The site is situated on eroded hardpan adjacent to the northwest side of K-1 Road (Figure B-68).

Figure B-63. Site 195, Feature AA, Plan Map

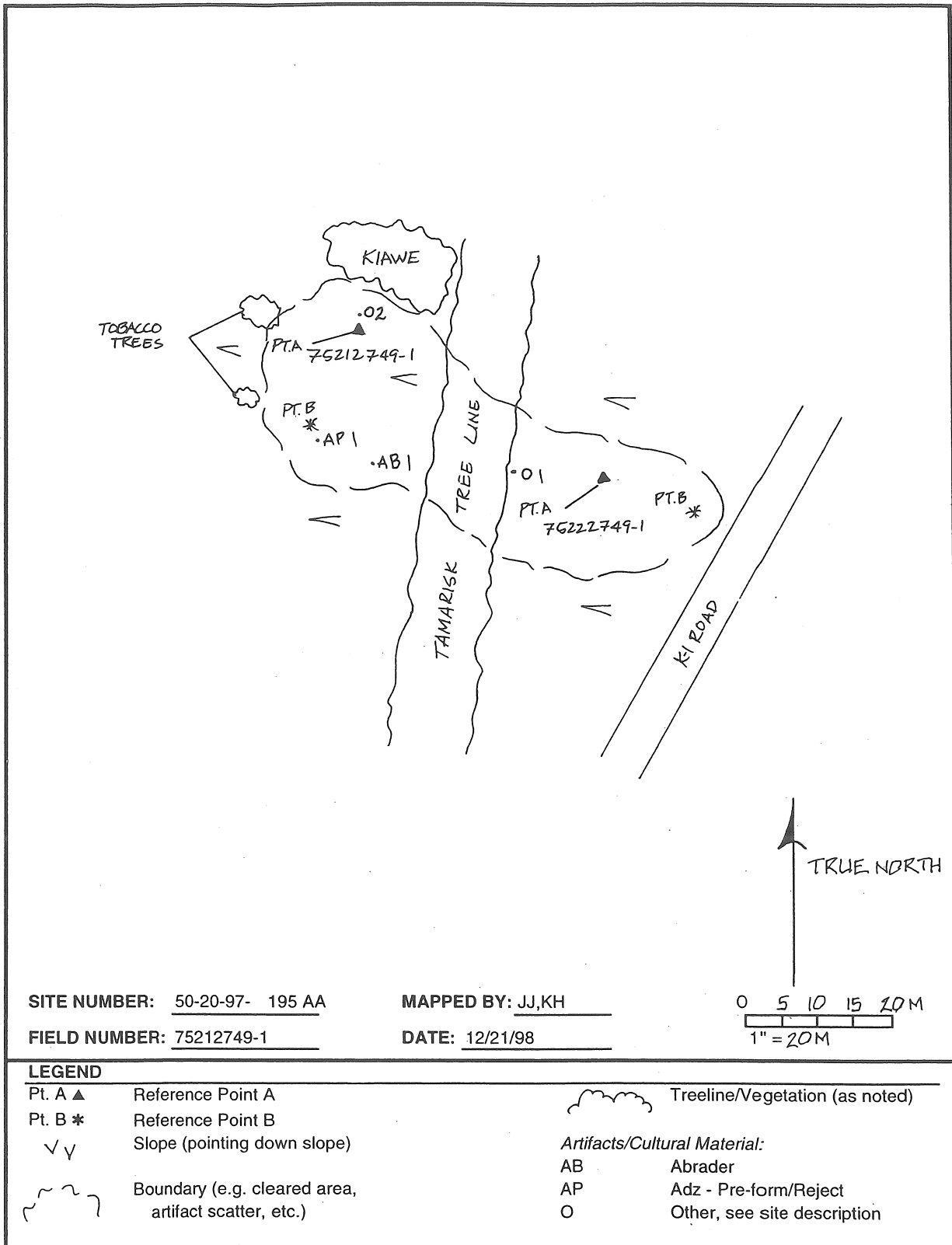


Figure B-64. Site 195, Feature AC, Plan Map

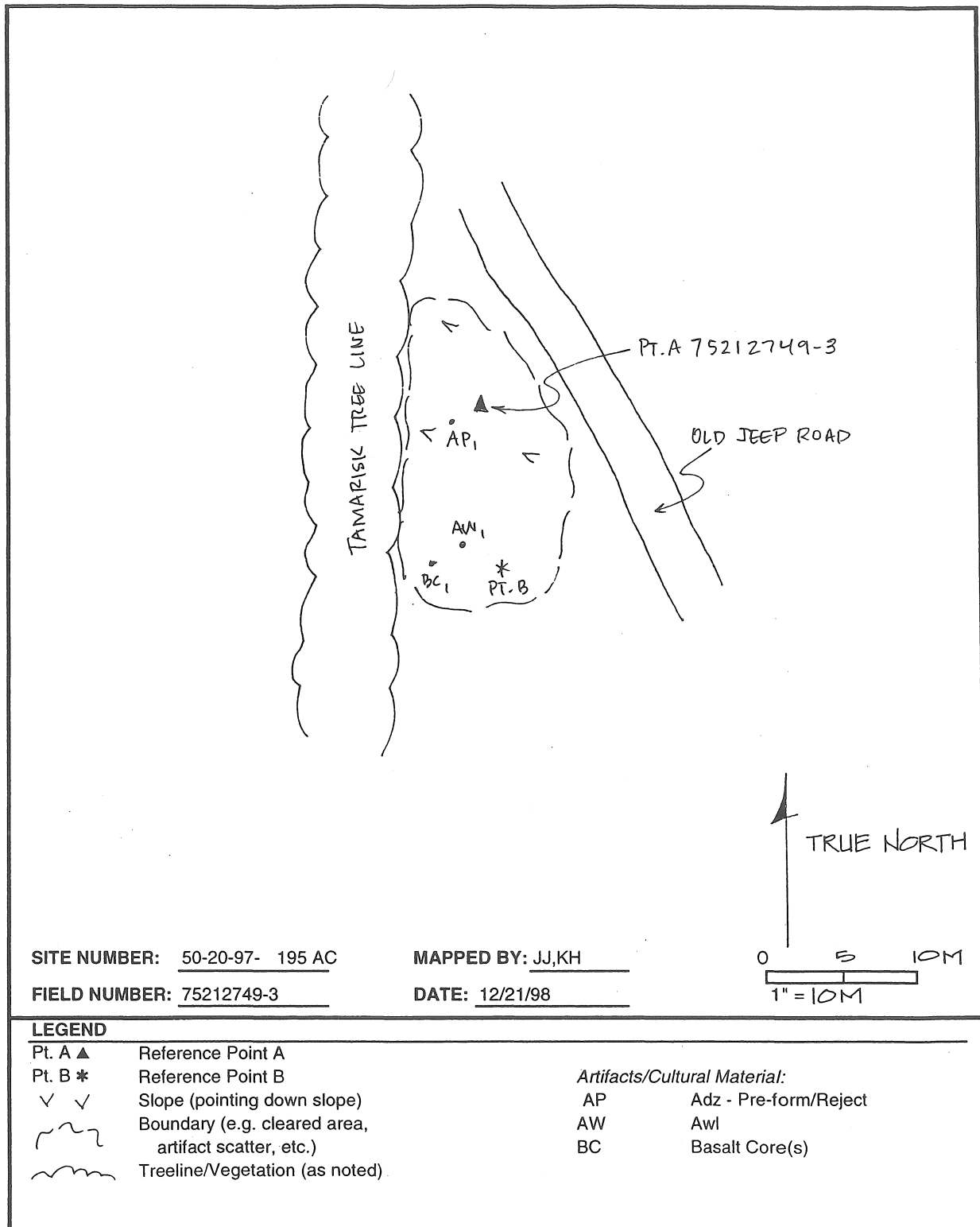
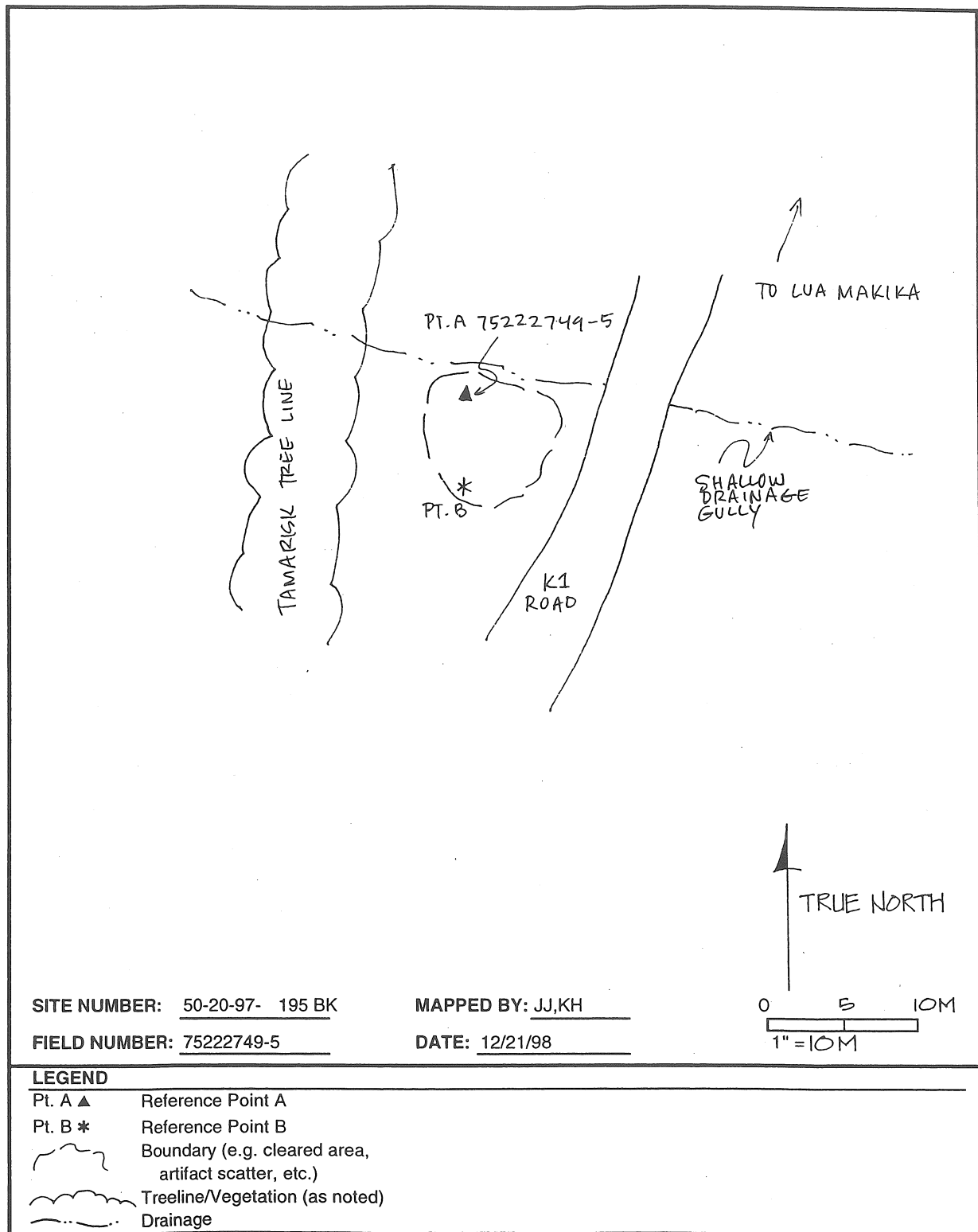


Figure B-65. Site 195, Feature BK, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BM  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75192746-1  
**GMU:** 75192746  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 35 m (L) x 17 m (W)  
**SITE AREA:** Approx. 595 sq. m

Fractured Basalt, Other Artifacts, Basalt Flakes

#### Site Description

This feature of Site 195 consists of a scatter of fractured basalt and fine-grained basalt debitage. There is a dense concentration of fractured basalt which is likely what was originally described on the NRHP Nomination form as the 3 by 5 m scatter of fire-cracked rock and flakes. Some head coral fragments are also present at this site. Materials are visible on eroded hardpan surface that comprises about 85% of the site surface area; the remainder consists of small patches of grass and lantana growing on shallow soils (Figure B-66).

---

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BO  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Other Items

**FIELD NO.:** 75202746-3  
**GMU:** 75202746  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 10 m (L) x 9 m (W)  
**SITE AREA:** Approx. 90 sq. m

#### Site Description

This feature of Site 195 consists of a small scatter of fractured basalt and one small waterworn vesicular basalt cobble. The site has part of one small patch of grass-covered soil, and it is located adjacent to the northwest side of K-1 Road (Figure B-67).

---

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BP  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75202746-2  
**GMU:** 75202746  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 11 m (L) x 10 m (W)  
**SITE AREA:** Approx. 110 sq. m

Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 195 consists of a medium-density scatter of mostly fractured basalt, volcanic glass debitage, and three small fragments of marine shell (most likely *Thaididae* spp.). There are also some basalt flakes and one piece of coral present. The site is situated on eroded hardpan adjacent to the northwest side of K-1 Road (Figure B-68).

Figure B-66. Site 195, Feature BM, Plan Map

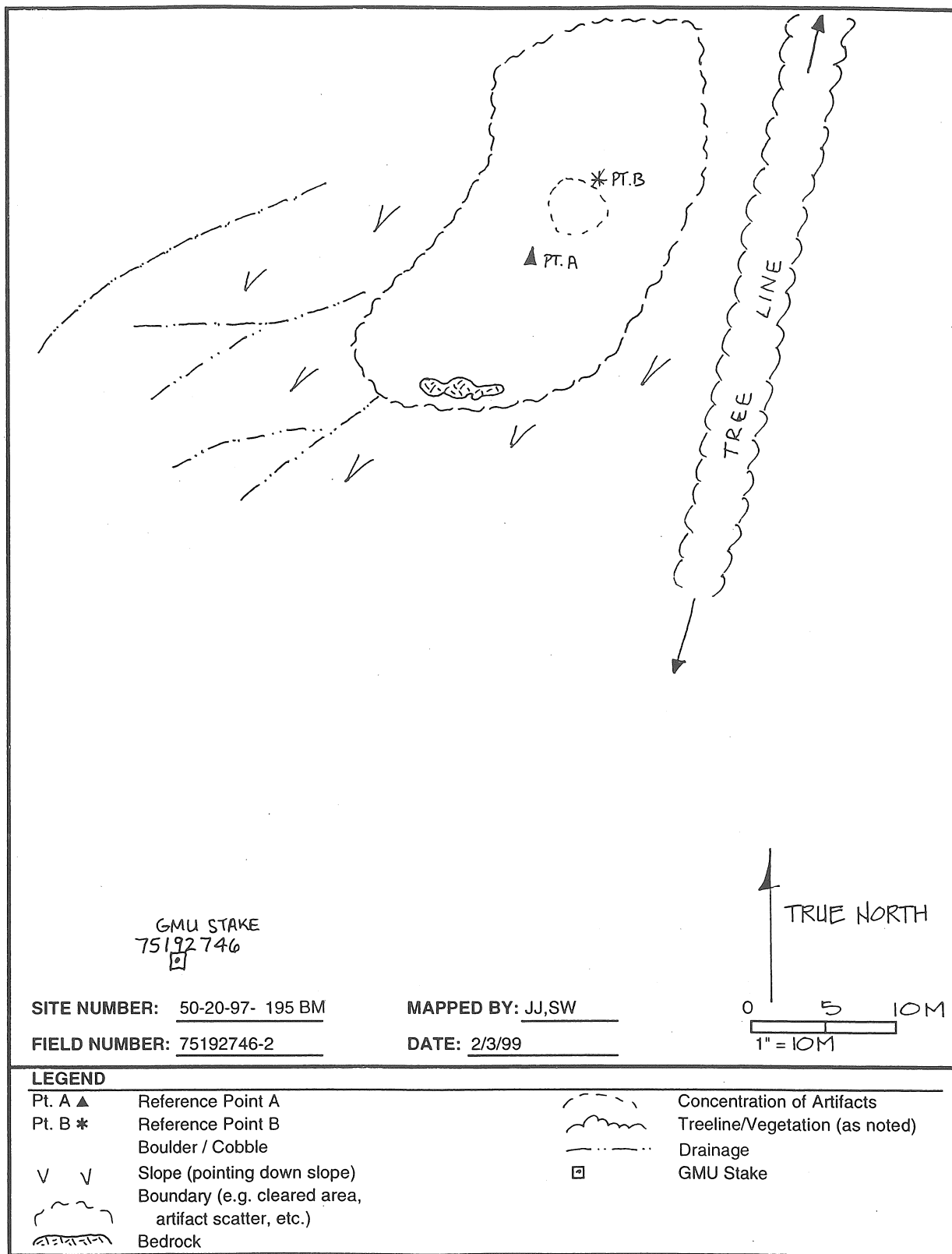


Figure B-67. Site 195, Feature BO, Plan Map

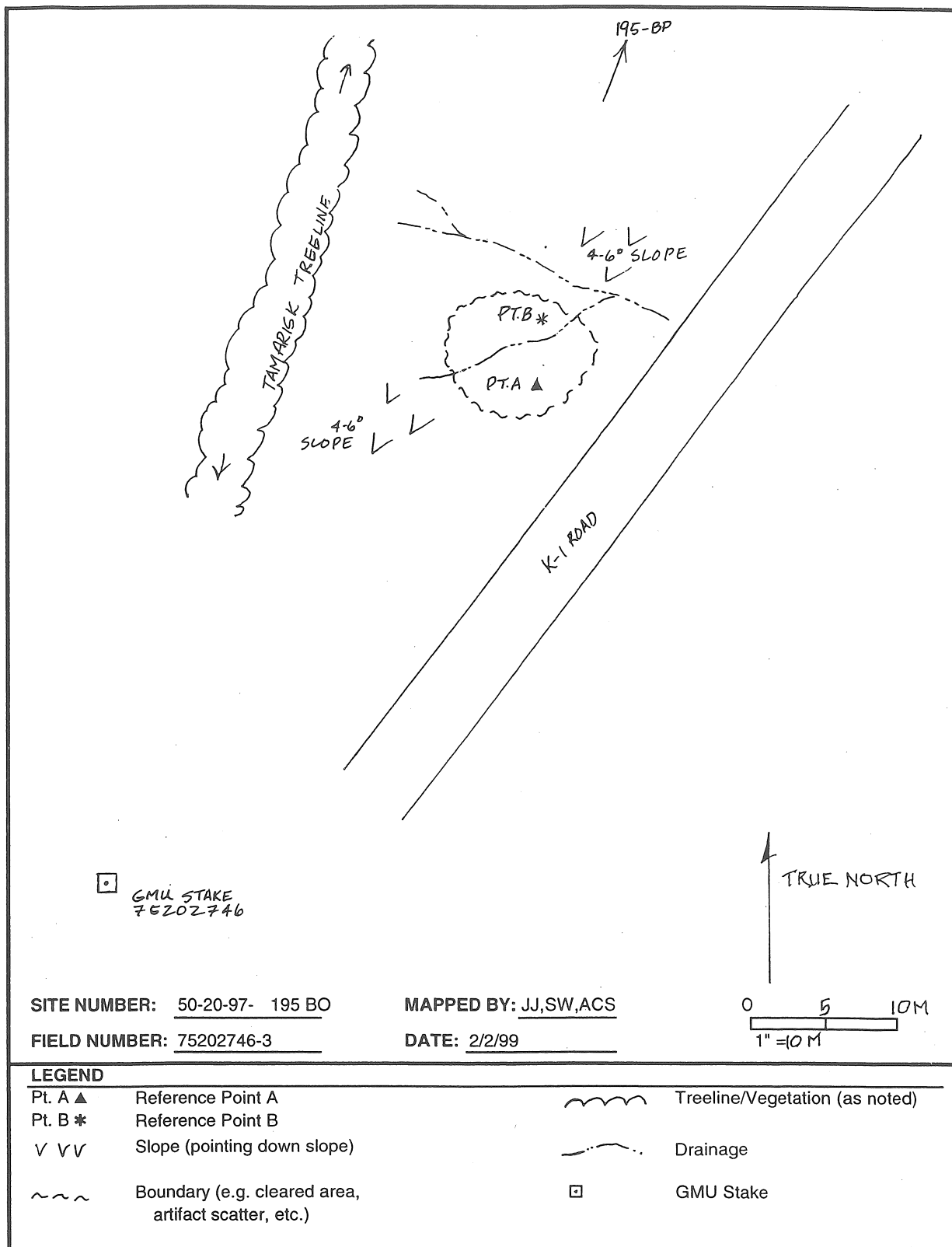
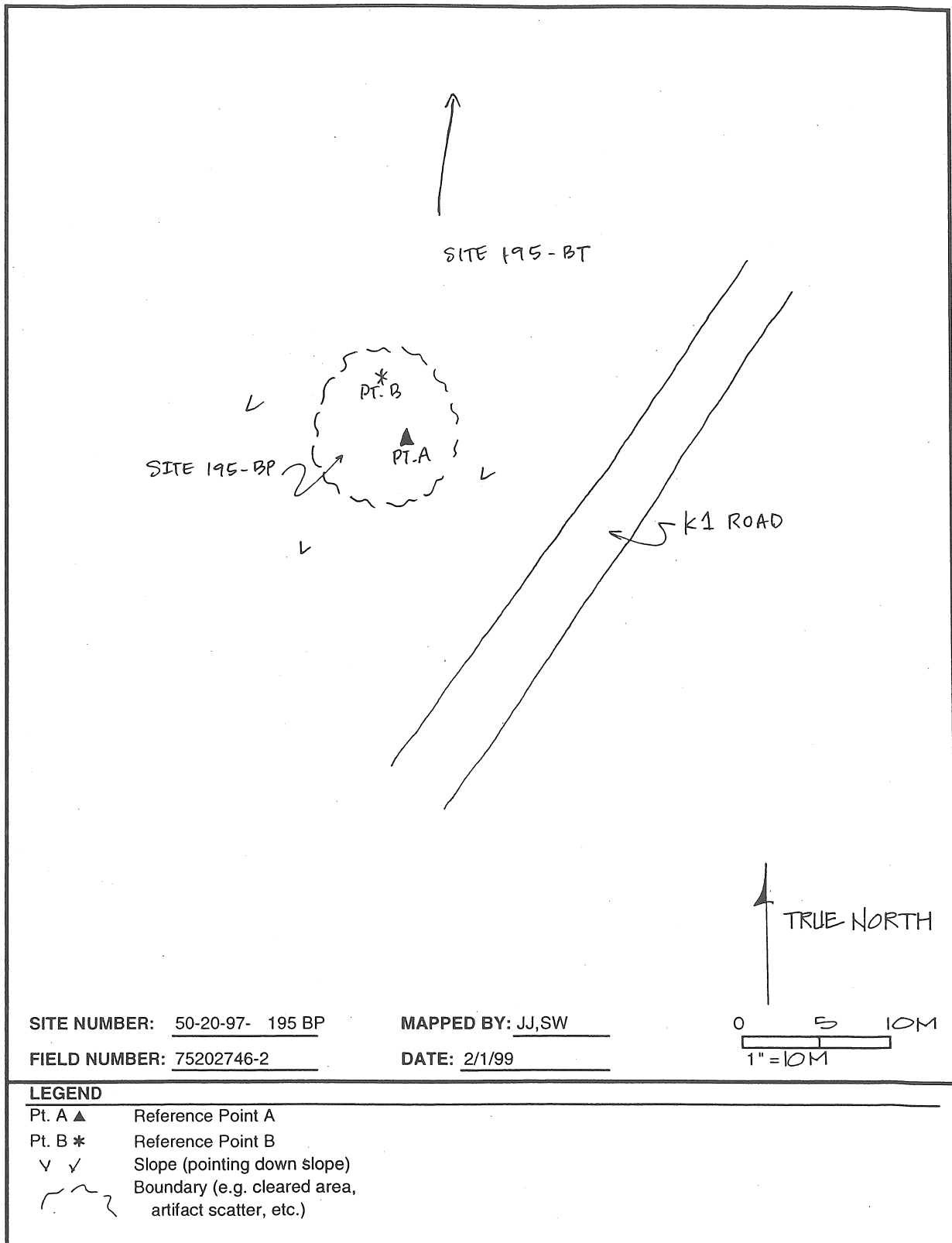




Figure B-68. Site 195, Feature BP, Plan Map



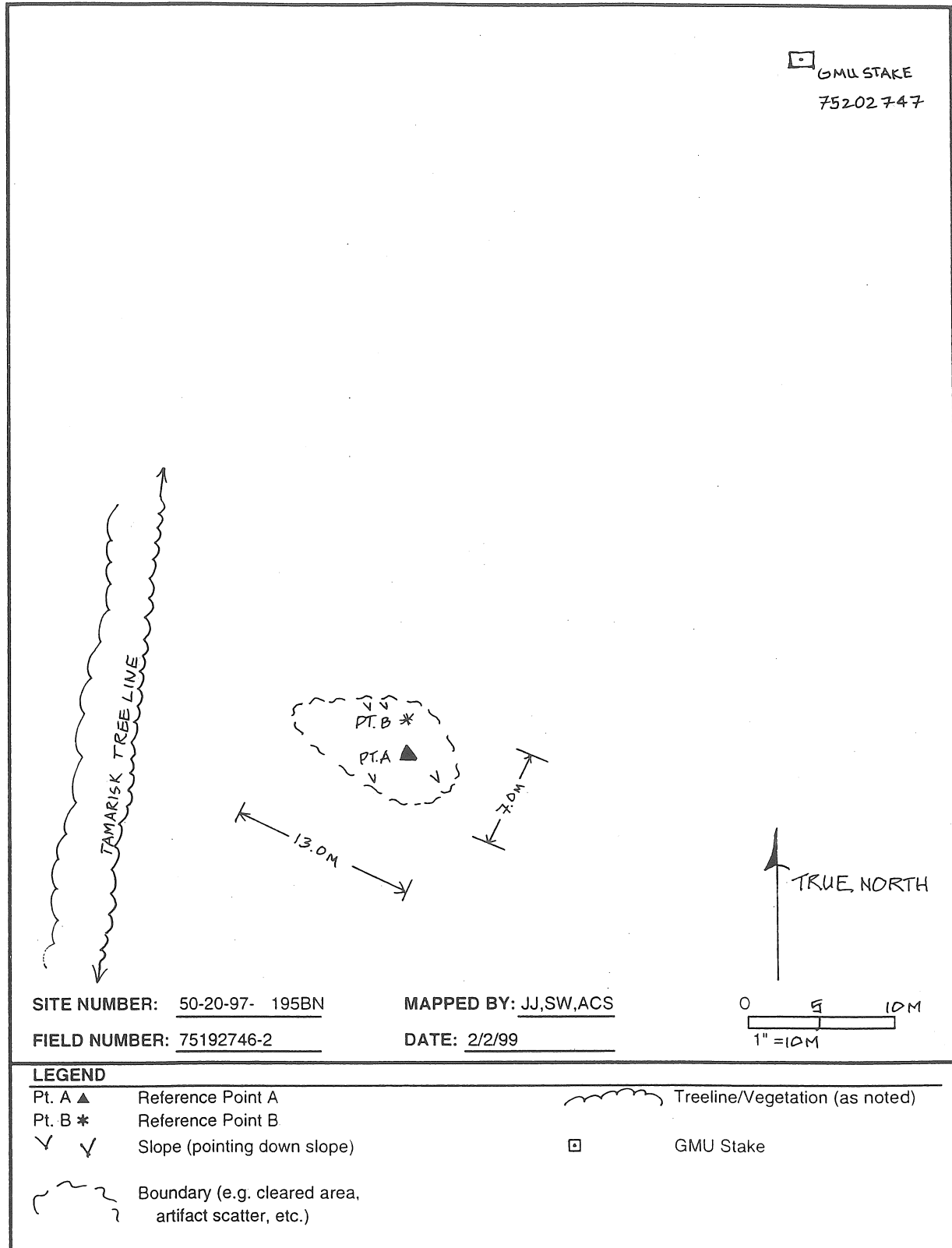
**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BN  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Volcanic Glass,

**FIELD NO.:** 75192746-2  
**GMU:** 75192746  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 13 m (L) x 7 m (W)  
**SITE AREA:** Approx. 91 sq. m

#### Site Description

Feature BN of Site 195 consists of a low-density scatter of fractured basalt and volcanic glass flakes. Cultural materials are visible on eroded hardpan and loose lateritic soils, which comprise more than 90% of the site surface area; the remainder consists of a couple of patches of grass-covered shallow patches of soil (Figure B-69).

Figure B-69. Site 195, Feature BN, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BQ  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75192747-1  
**GMU:** 75192747  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 10 m (L) x 10 m (W)  
**SITE AREA:** Approx. 100 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Flakes

**Site Description**

This feature of Site 195 consists of a high- to low-density scatter of fractured basalt, basalt flakes, and volcanic glass cores and flakes. Cultural materials are visible on eroded hardpan and loose lateritic soils, which comprise more than 90% of the site surface area; the remainder consists of a couple of patches of grass-covered shallow patches of soil (Figure B-70).

---

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BR  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75192747-2  
**GMU:** 75192747  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 13 m (L) x 8 m (W)  
**SITE AREA:** Approx. 104 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Flakes

**Site Description**

This feature of Site 195 consists of a medium- to low-density scatter of fractured basalt and a few basalt flakes (as listed on the NRHP description). Materials are visible on the eroded hardpan and loose lateritic soils, which comprise 100% of the site surface area. There are a few patches of vegetated shallow soils around the site (Figure B-71).

---

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** BS  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75202747-3  
**GMU:** 75202747  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 16.5 m (L) x 10 m (W)  
**SITE AREA:** Approx. 165 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Flakes

**Site Description**

This feature of Site 195 consists of a high- to low-density scatter of fractured basalt and only one fine-grained basalt flake. Materials are visible on eroded hardpan and loose lateritic soils that comprise over 90% of the site surface area; the remainder consists of grass-covered patches of shallow soils (Figure B-72).

Figure B-70. Site 195, Feature BQ, Plan Map

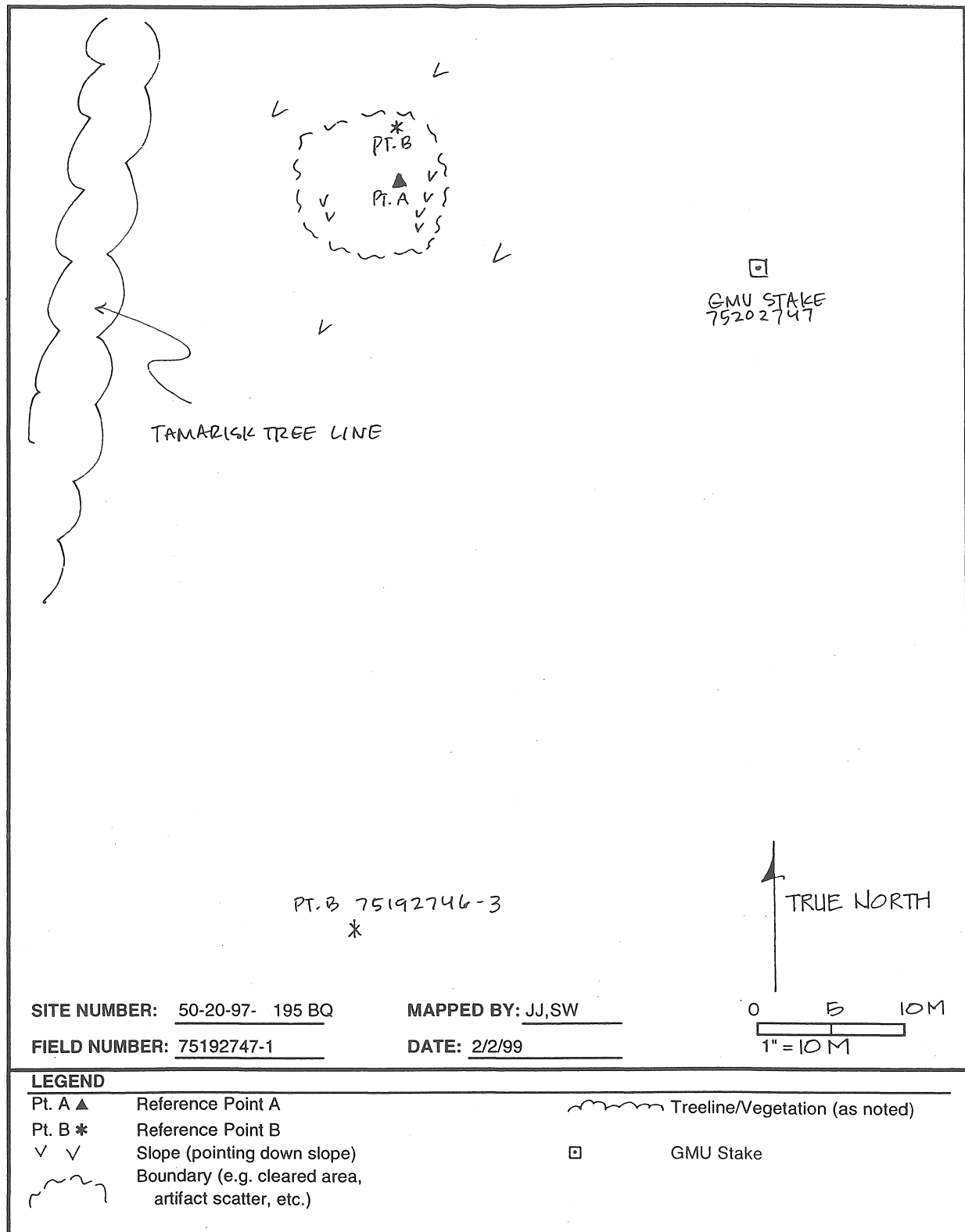


Figure B-71. Site 195, Feature BR, Plan Map

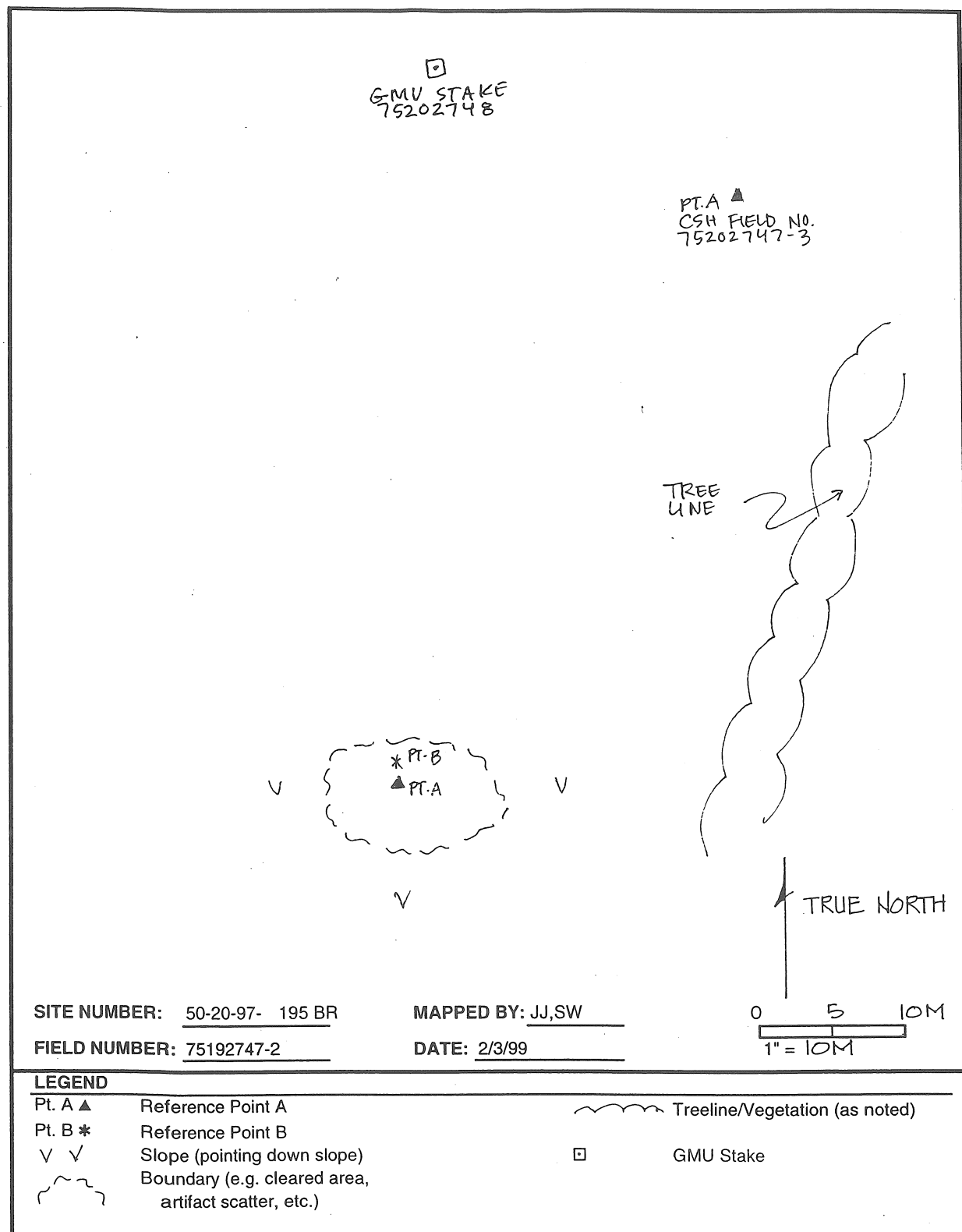
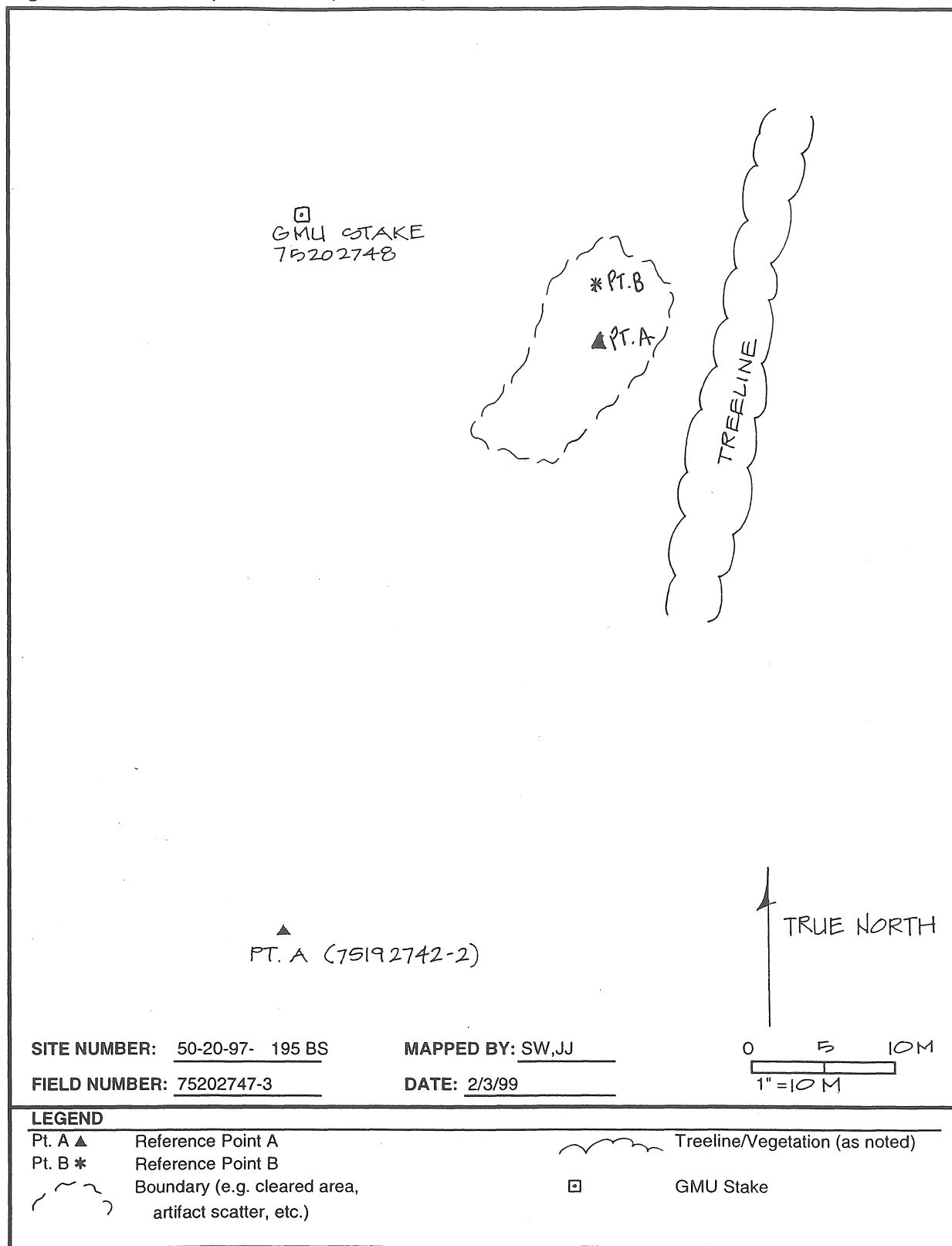


Figure B-72. Site 195, Feature BS, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-195	<b>FIELD NO.:</b> 75202747-1
<b>FEATURE:</b> BT	<b>GMU:</b> 75202747
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 28.5 m (L) x 17 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 484.5 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Adz Preforms/Rejects, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 195 consists of a very low-density scatter of fractured basalt, basalt flakes, a few small fragments of coral, a few small fragments of *Thaididae* and *Cellana* shell, and an adz preform that was recorded. Cultural materials are visible on the eroded hardpan surface that comprises about 90% of the site surface area; the remainder consists of patches of shallow soil covered with grass and saltbush. There are considerable erosion channels through this site (Figure B-73).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-195	<b>FIELD NO.:</b> 75222750-3
<b>FEATURE:</b> BZ	<b>GMU:</b> 75222750
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 46 m (L) x 17 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 782 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Artifacts, Marine Midden	

#### Site Description

This feature of Site 195 consists of a low- to very low-density scatter of fractured basalt, volcanic glass and basalt flakes and cores, and a few fragments of marine shell (*Conus* and *Cypraea spp.*). Artifacts are scattered around a small hummock which has an *a'ali'i* bush growing on it. About 70% to 80% of the site area is eroded hardpan surface, with the remainder being covered with grass, lantana, and *koa haole* growing on shallow soils (Figure B-74).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-195	<b>FIELD NO.:</b> 75232751-1
<b>FEATURE:</b> CA	<b>GMU:</b> 75232751
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 17 m (L) x 9 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 153 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 195 consists of a low- to medium-density scatter of fractured basalt, volcanic glass and basalt flakes and cores, branch coral fragments, and a single *Thaididae spp.* shell (Figure B-75). Cultural materials are visible on a highly eroded hardpan surface. Approximately 10% of the site surface area consists of shallow accumulation of lateritic soils.



Figure B-73. Site 195, Feature BT, Plan Map

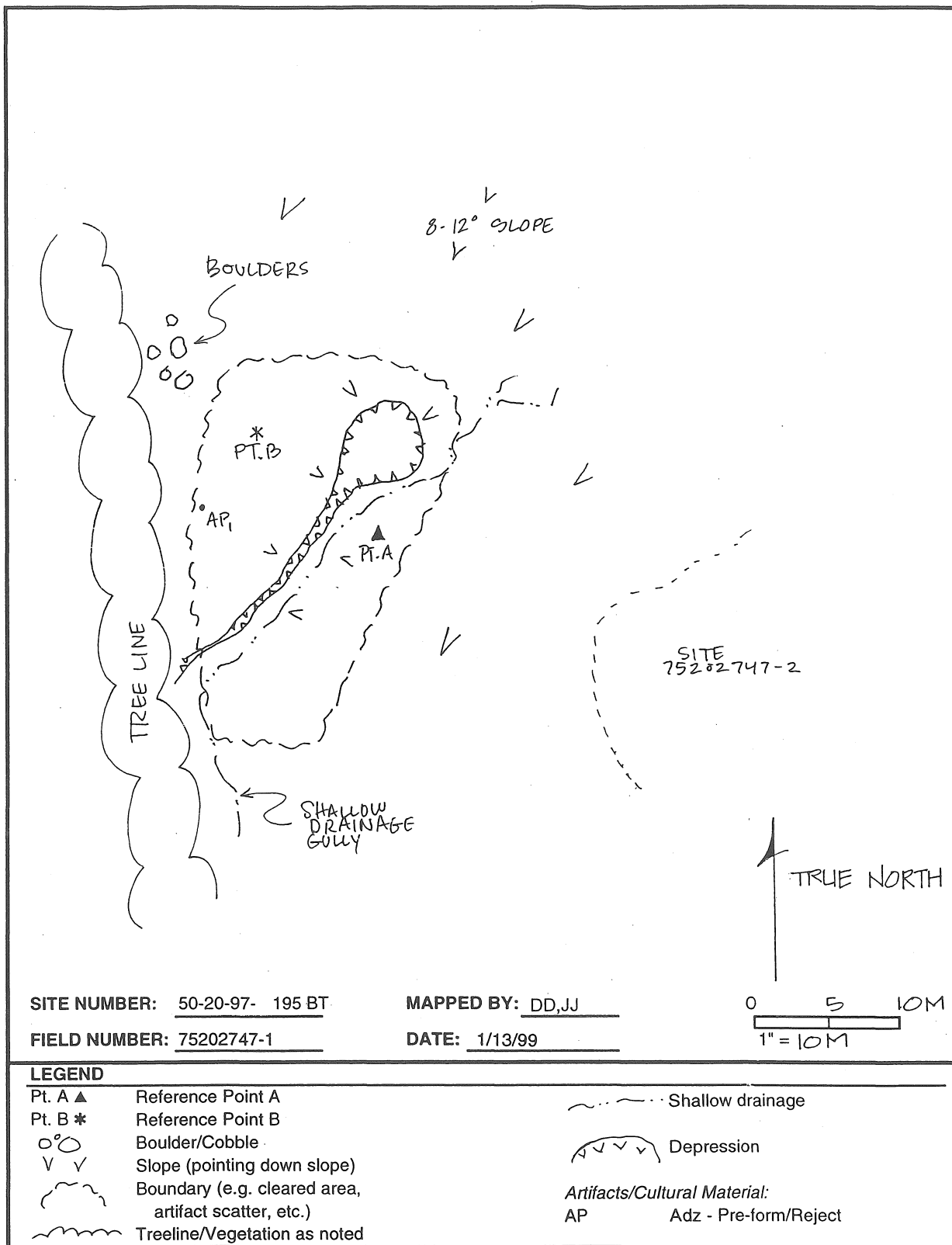


Figure B-74. Site 195, Feature BZ, Plan Map

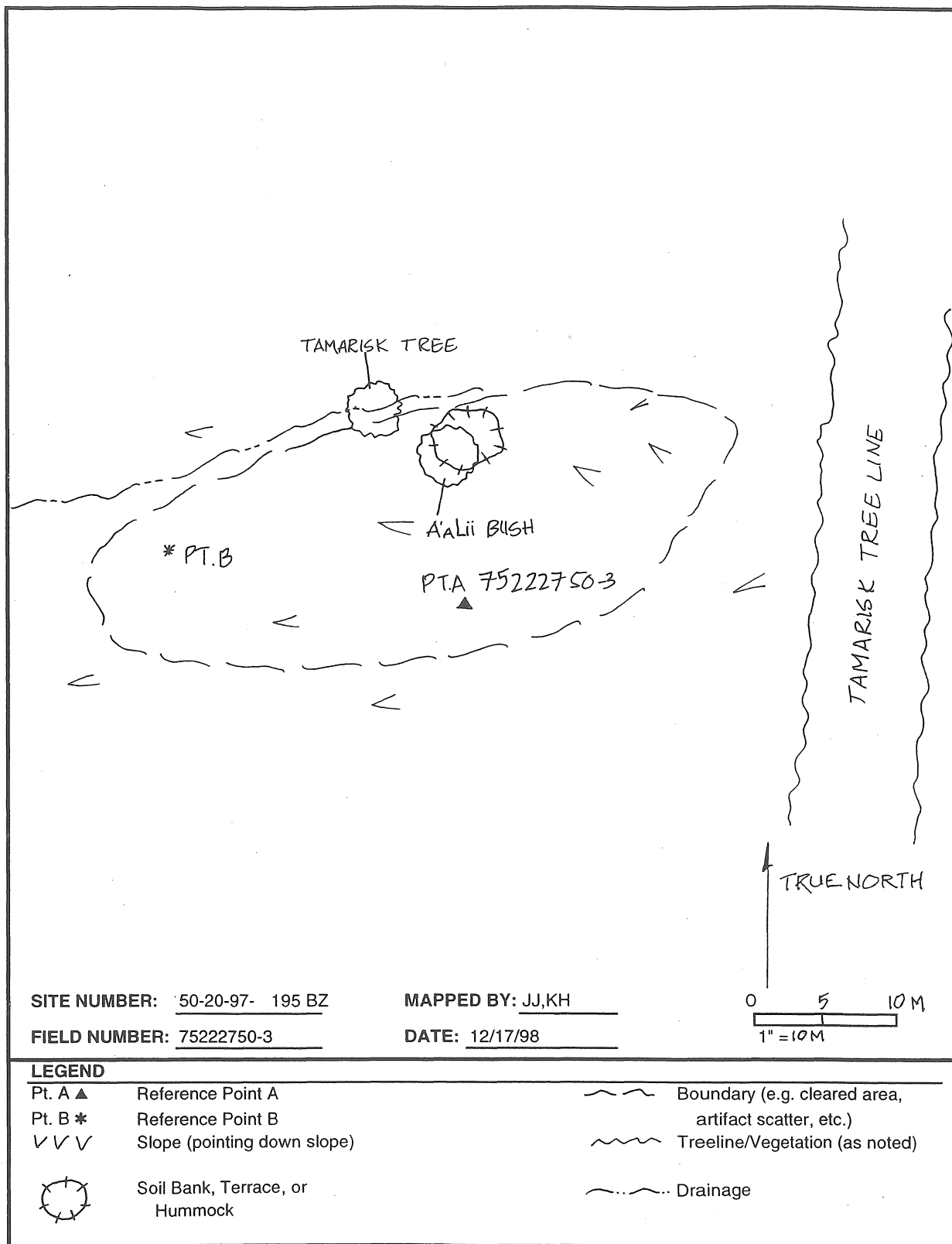
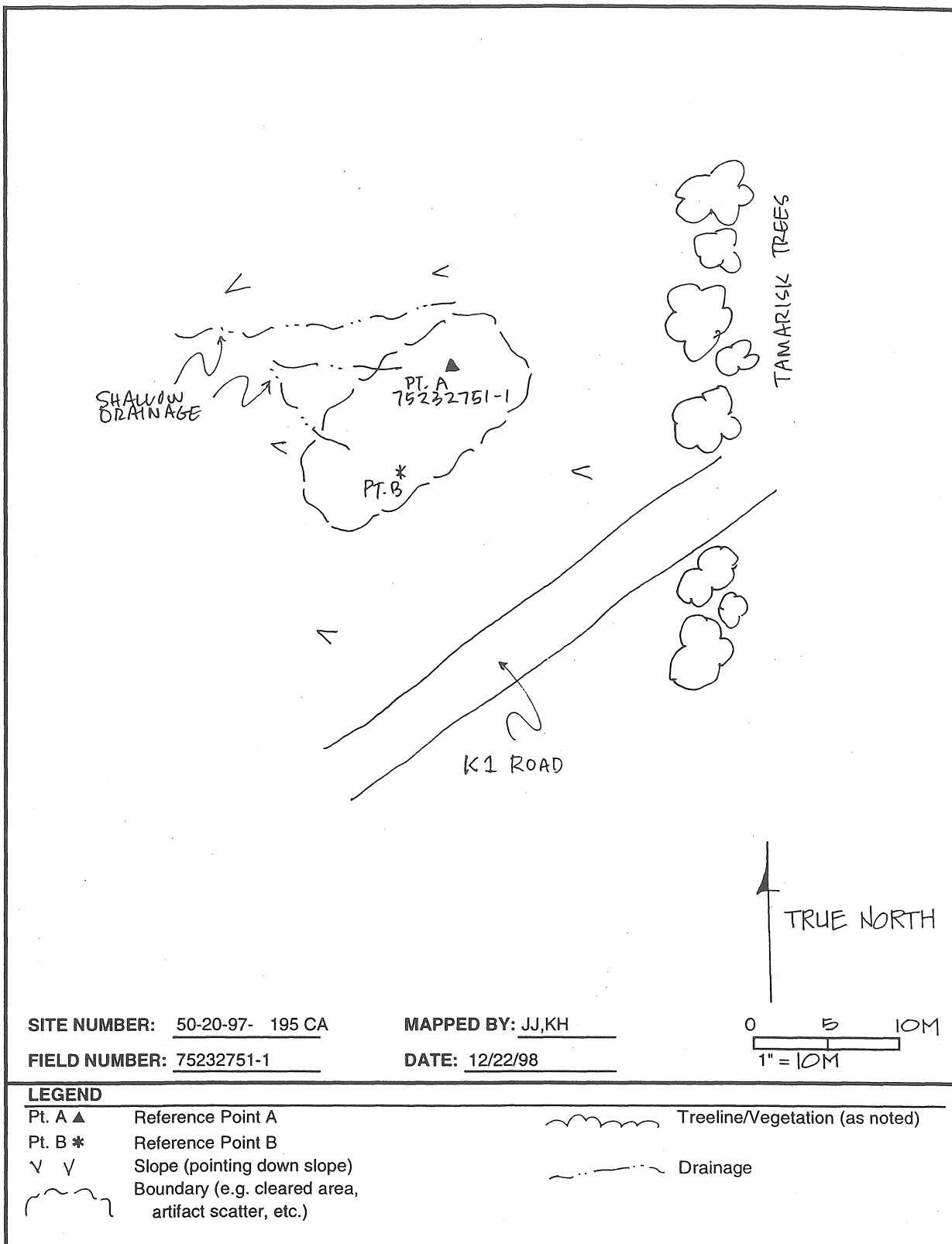


Figure B-75. Site 195, Feature CA, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-195	<b>FIELD NO.:</b> 75232751-2
<b>FEATURE:</b> CB	<b>GMU:</b> 75232751
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 62 m (L) x 20 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1240 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes	

#### Site Description

This feature of Site 195 consists of a low- to-medium density scatter of fractured basalt, manufacturing debris flakes of basalt and volcanic glass, and some small fragments of green bottle glass. Artifacts recorded include two basalt cores, two coral abraders, and one miscellaneous artifact. The site is located on the northwest side (adjacent) of K-1 Road, adjacent to two small hummocks and a tamarisk tree-line windbreak. Most of the site ground surface is highly eroded hardpan, but approximately 30% consists of shallow soils covered with dense grass, vine, and lantana (Figure B-76).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-195	<b>FIELD NO.:</b> 75192745-1
<b>FEATURE:</b> DI	<b>GMU:</b> 75192745
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 21 m (L) x 8 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 168 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt	

#### Site Description

This feature of Site 195 consists of a high- to low-density scatter of fractured basalt. These materials are scattered on completely denuded hardpan and are spread in a somewhat linear pattern downslope (Figure B-77).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-195	<b>FIELD NO.:</b> 75182744-1
<b>FEATURE:</b> DJ	<b>GMU:</b> 75182744
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 35 m (L) x 13 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 455 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 195 consists of a low-density scatter of fractured basalt, basalt flakes, *Cypraea* spp. shell fragments, and one volcanic glass core. Materials are visible on the sloping eroded hardpan that comprises more than 90% of the site surface area; the remainder consists of a couple of small patches of grass-covered shallow soils. The site is situated adjacent to a large hummock (Figure B-78).

Figure B-76. Site 195, Feature CB, Plan Map

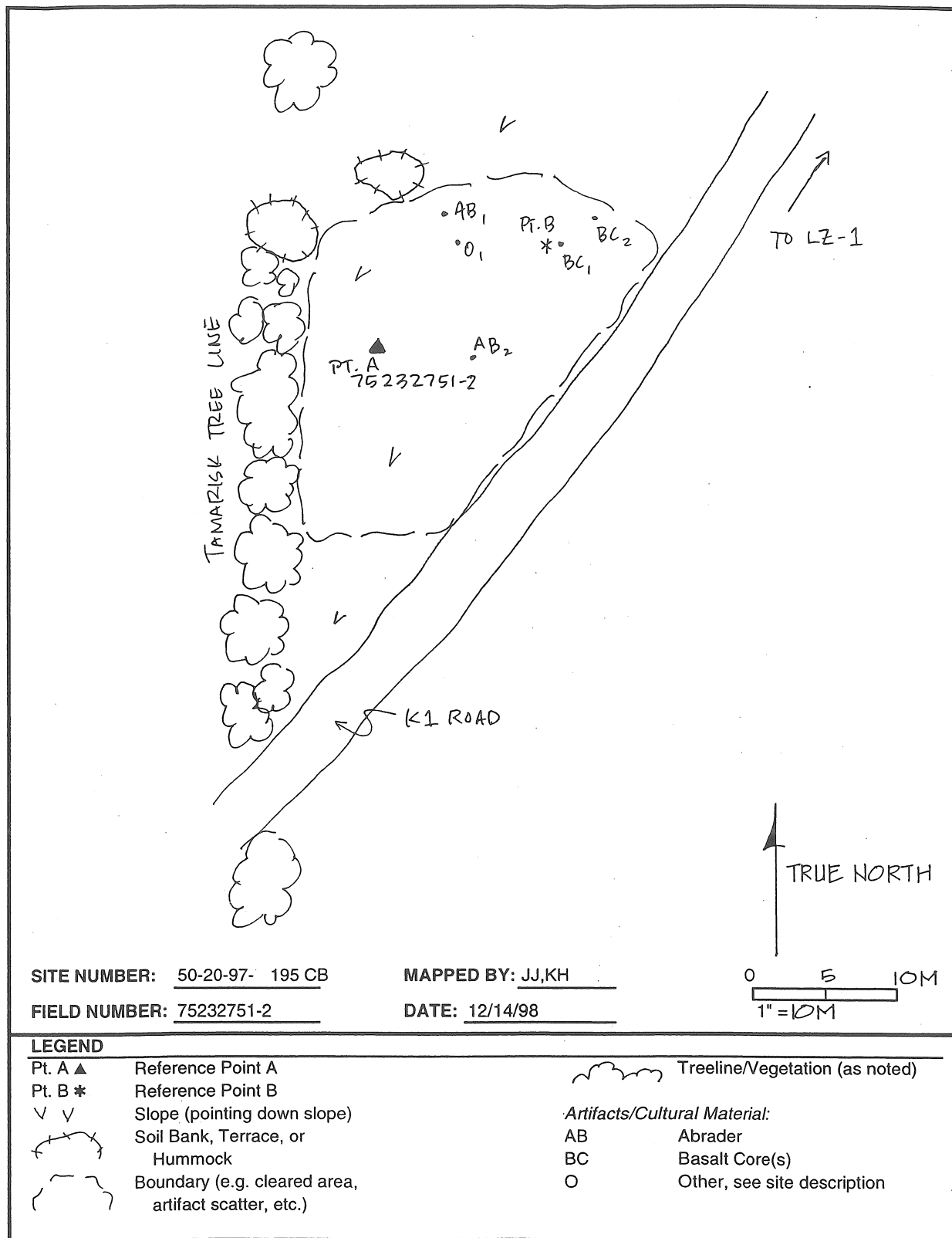


Figure B-77. Site 195, Feature DI, Plan Map

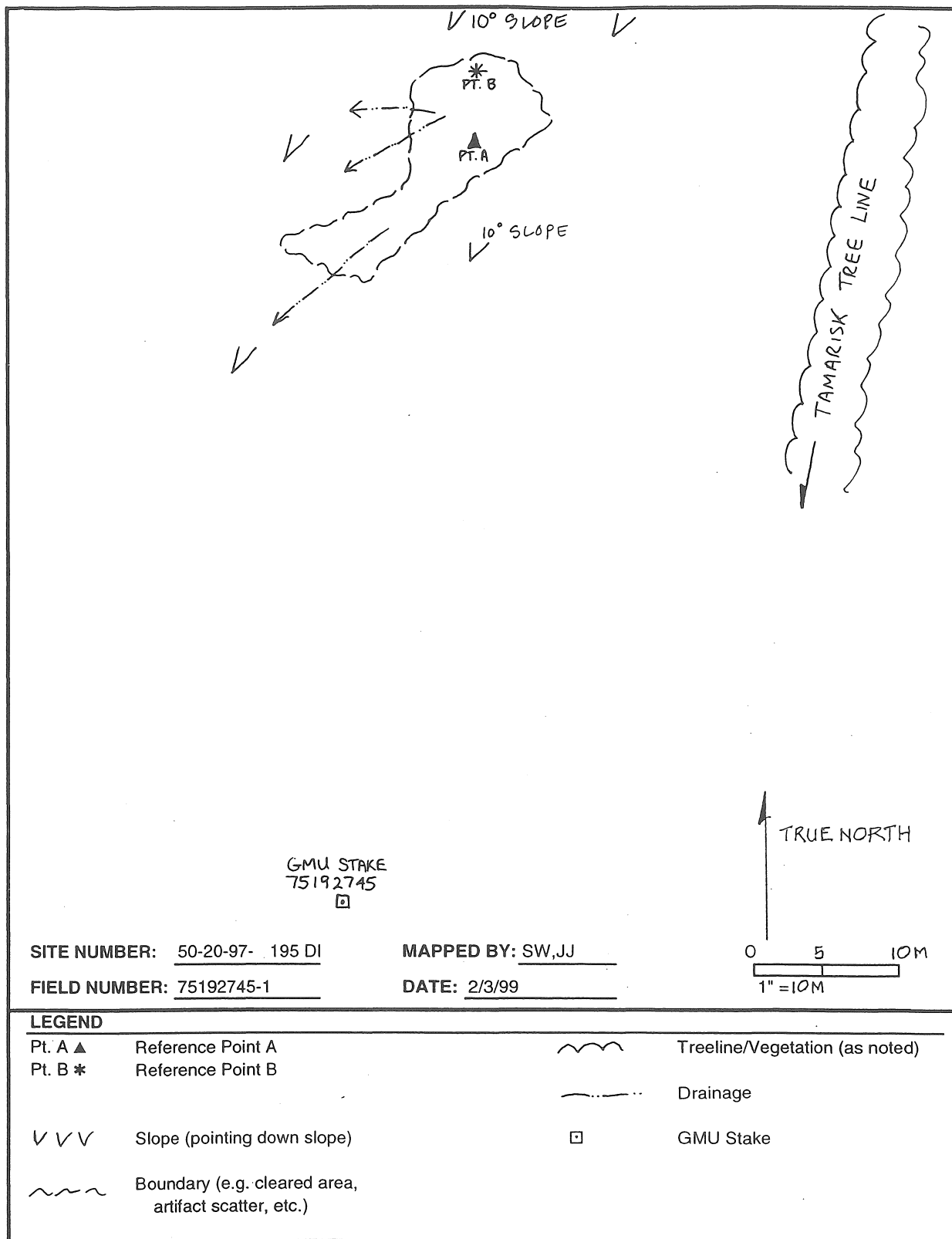
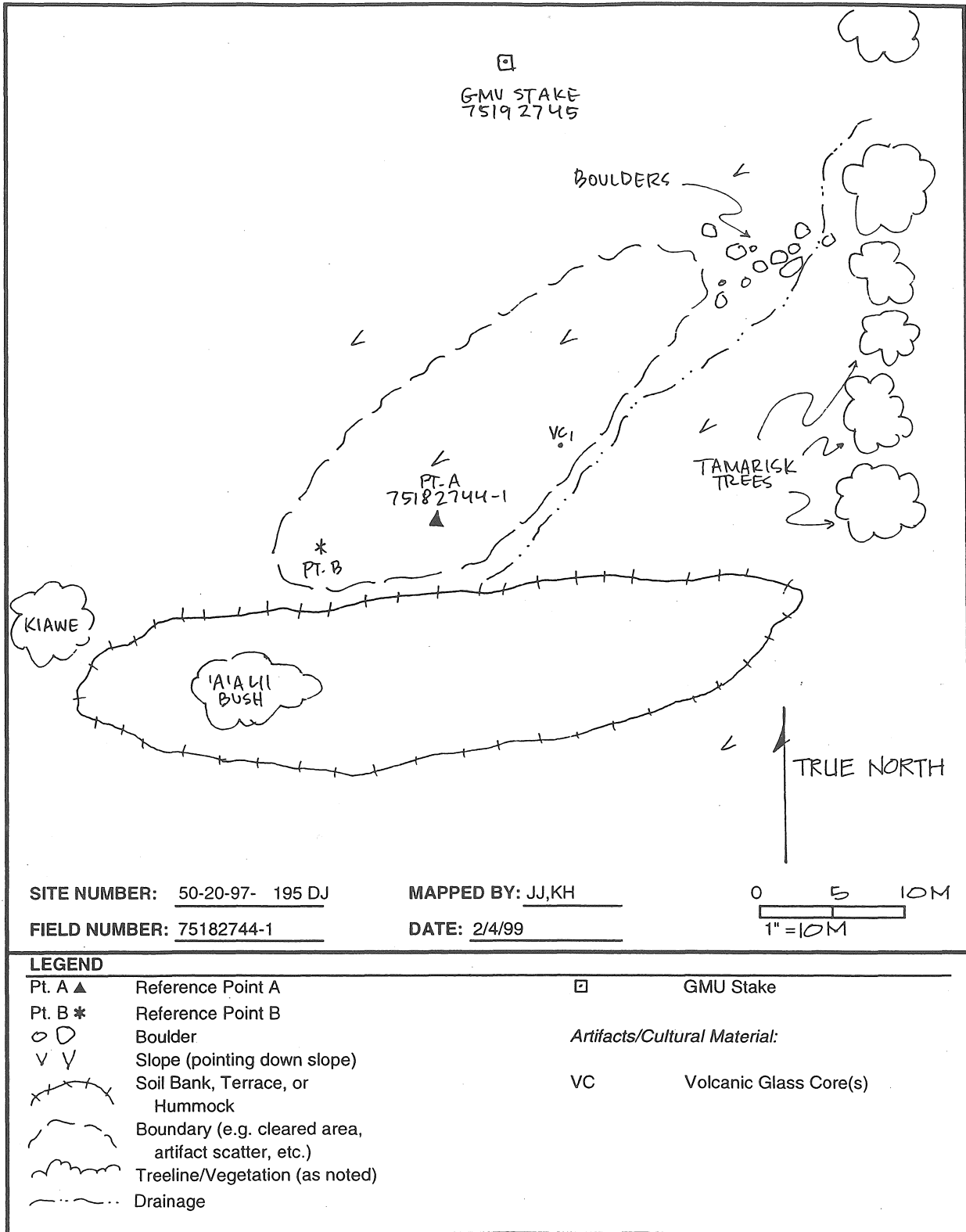


Figure B-78. Site 195, Feature DJ, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** DL  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Basalt Flakes

**FIELD NO.:** 75192745-2  
**GMU:** 75192745  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 11 m (L) x 5 m (W)  
**SITE AREA:** Approx. 55 sq. m

#### Site Description

This feature of Site 195 consists of a medium- to low-density scatter of fractured basalt and basalt flakes. Materials are visible on the hardpan surface that comprises the entire site surface area. There are a couple of grass-covered patches of shallow soil outside the site boundaries (Figure B-79).

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** DN  
**STATUS:** New  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75212749-2  
**GMU:** 75212749  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 48 m (L) x 15 m (W)  
**SITE AREA:** Approx. 720 sq. m

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This new feature of Site 195 consists of a medium- to low-density scatter of fractured basalt, volcanic glass and basalt flakes and cores, one piece of branch coral, and marine midden. Marine species observed include *Cellana* and *Thaididae spp.* Artifacts recorded at this feature include one basalt awl, one basalt core, and one 'ulu maika. Cultural materials are visible on the eroded hardpan surface that comprises approximately 80% of the site surface area. The rest of the surface consists of shallow soil patches or low hummocks that are covered with grass and lantana. This site is located on the western flank of Moa'ulanui, on the northwest side of K-1 Road, near the nine-mile marker. The feature is located within the boundaries of the Site 195 complex, but the NRHP Nomination form map for Site 195 does not illustrate any previously recorded sites in this location (Figure B-80). Therefore, this scatter has been assigned a new feature designation in the Site 195 complex.

**SITE NUMBER (SIHP):** 50-20-97-195  
**FEATURE:** DO  
**STATUS:** New  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75212750-1  
**GMU:** 75212750  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 73 m (L) x 17 m (W)  
**SITE AREA:** Approx. 1241 sq. m

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

#### Site Description

This new feature of Site 195 consists of a low-density scatter of fractured basalt, flakes and cores of basalt and volcanic glass, and a few small fragments of marine shell of an unidentified species. The materials of the site are scattered on the west side of two hummocks that are covered with grass (Figure B-81). The site is situated within the boundaries of the Site 195 complex; based on the map of Site 195 in the NRHP forms, there is no previously recorded feature in the vicinity of this site.



Figure B-79. Site 195, Feature DL, Plan Map

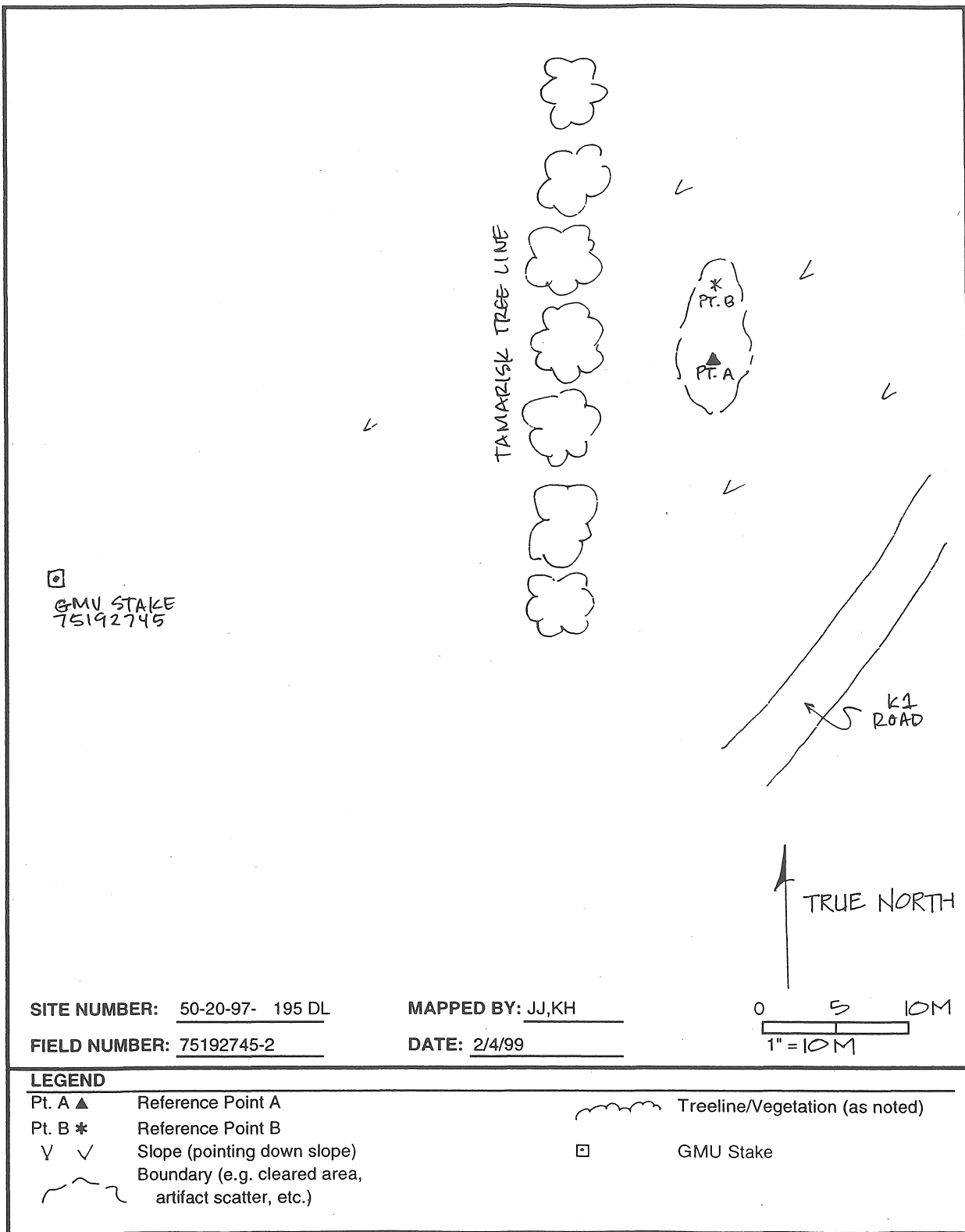


Figure B-80 . Site 195, Feature DN, Plan Map

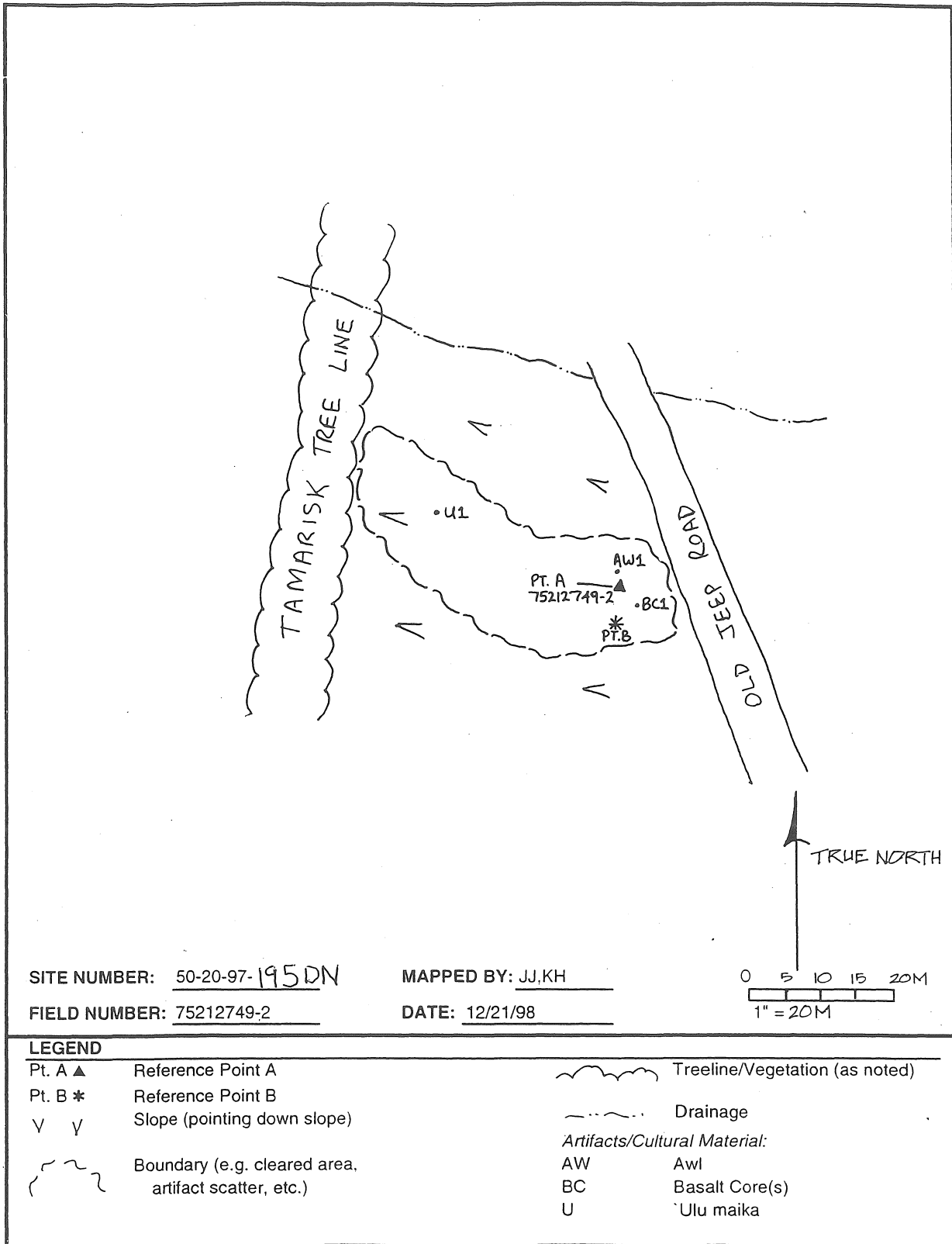
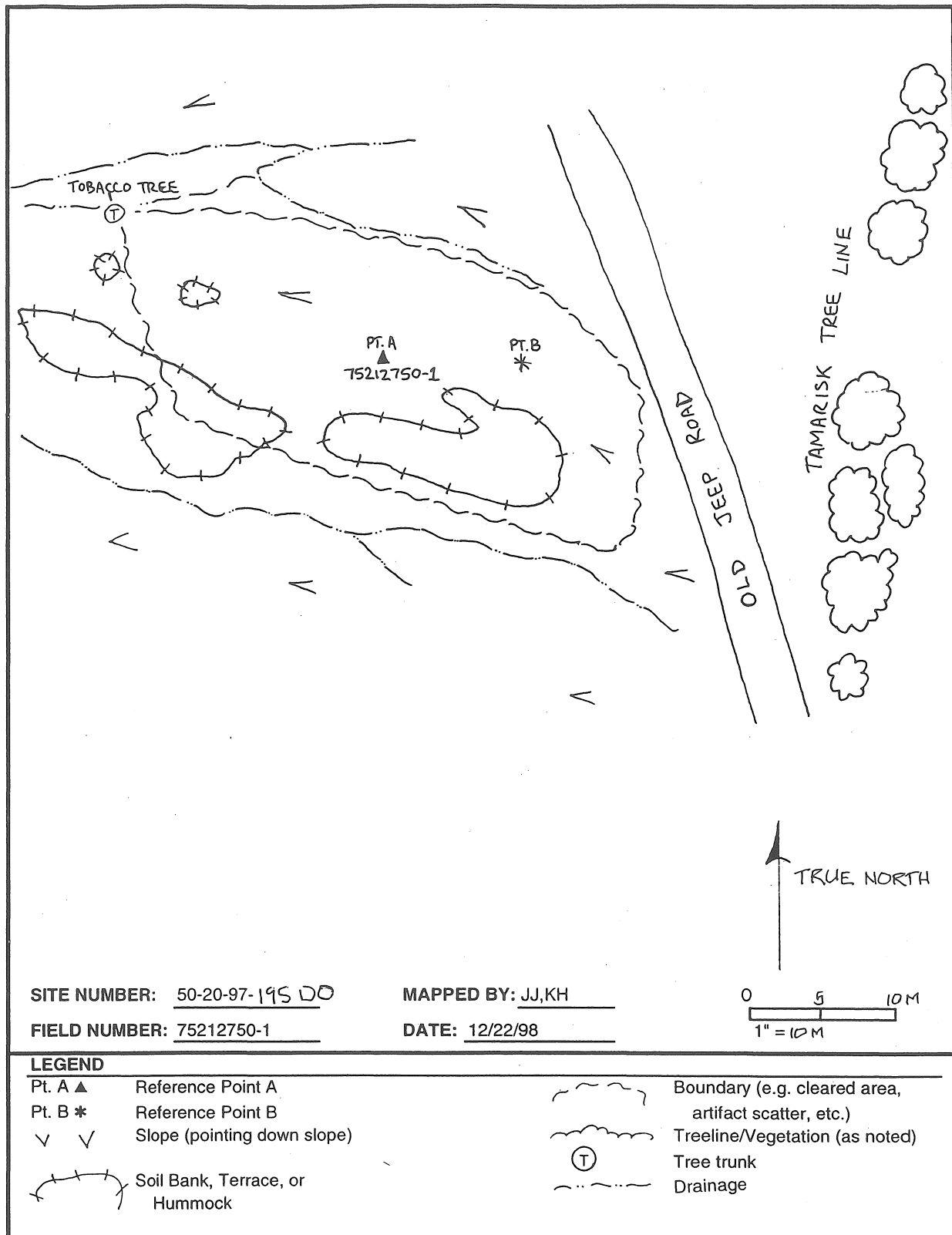


Figure B-81. Site 195, Feature DO, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75182744-2
<b>FEATURE:</b> A	<b>GMU:</b> 75182744
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 27 m (L) x 29 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 783 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Flakes, Marine Midden	

#### Site Description

Site 196 comprises 38 activity areas spread over a large expanse of denuded upland between K-1 Road on the east, and the head of a tributary gulch of Ahupu Stream valley on the west. Twenty-one features of Site 196 were relocated and recorded during the course of this project. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figures 3-5b and 3-5c).

#### Feature A Description

This feature of Site 196 consists of a small scatter of cultural materials listed in the NRHP Nomination form description. There is a large hummock on the northern edge of feature (Figure B-82). Near the southern edge of the feature there is a concentration of metal fragments, wire, a battery, and a metal pole.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75182743-1
<b>FEATURE:</b> B	<b>GMU:</b> 75182743
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 27 m (L) x 12.5 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 337.5 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. The bird bone noted in the NRHP description could not be relocated, but fragments (small) of a mammal were observed. There is one small hummock within the boundaries of this feature; otherwise, the site is situated on a denuded slope (Figure B-83).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75182743-2
<b>FEATURE:</b> C	<b>GMU:</b> 75182743
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 30 m (L) x 19 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 570 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 196 consists of basalt flakes and a small amount of branch coral. The site is mostly deflated with small grassy areas that contain very shallow soil. Small clumps of grass contain shallow soils (Figure B-84).

Figure B-82. Site 196, Feature A, Plan Map

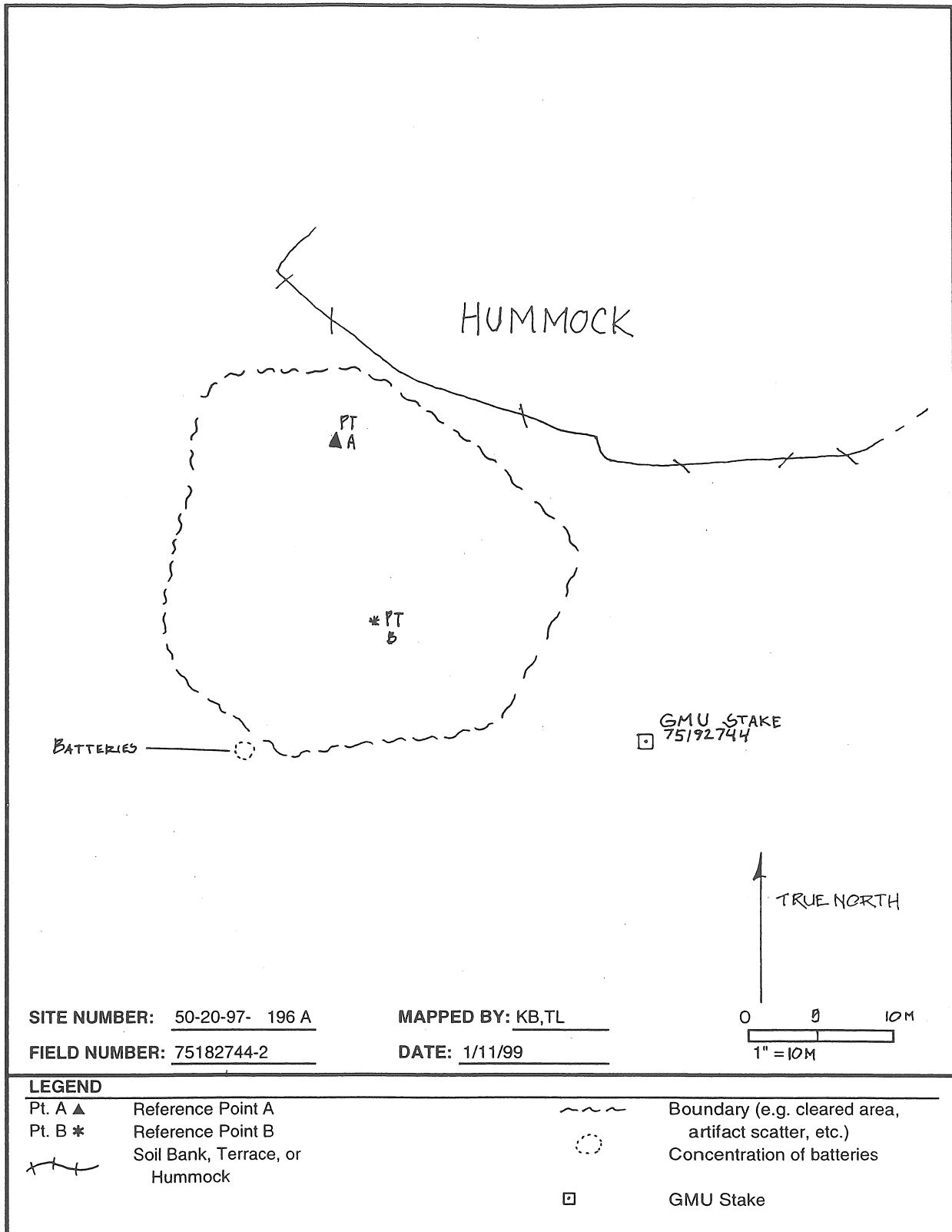


Figure B-83. Site 196, Feature B, Plan Map

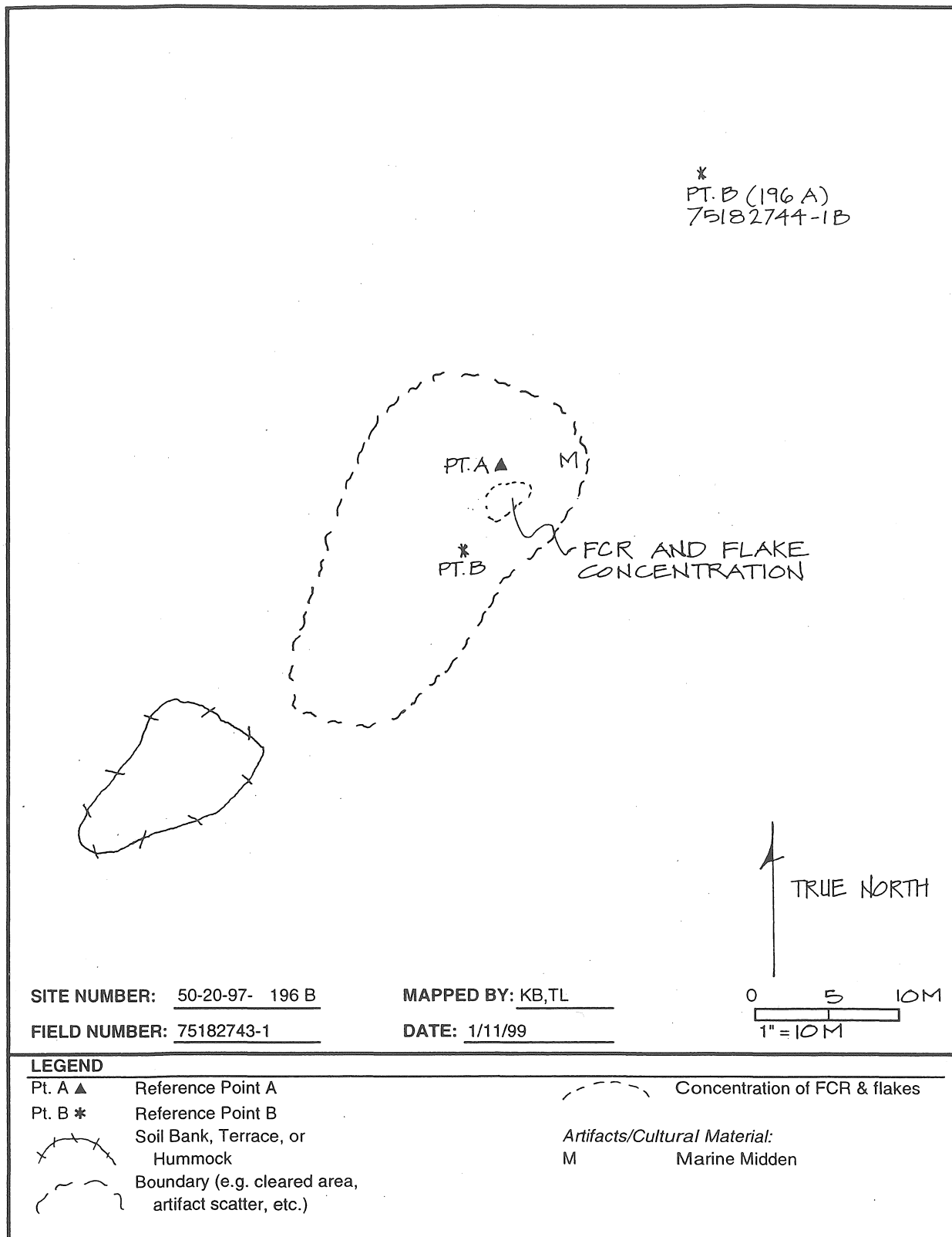
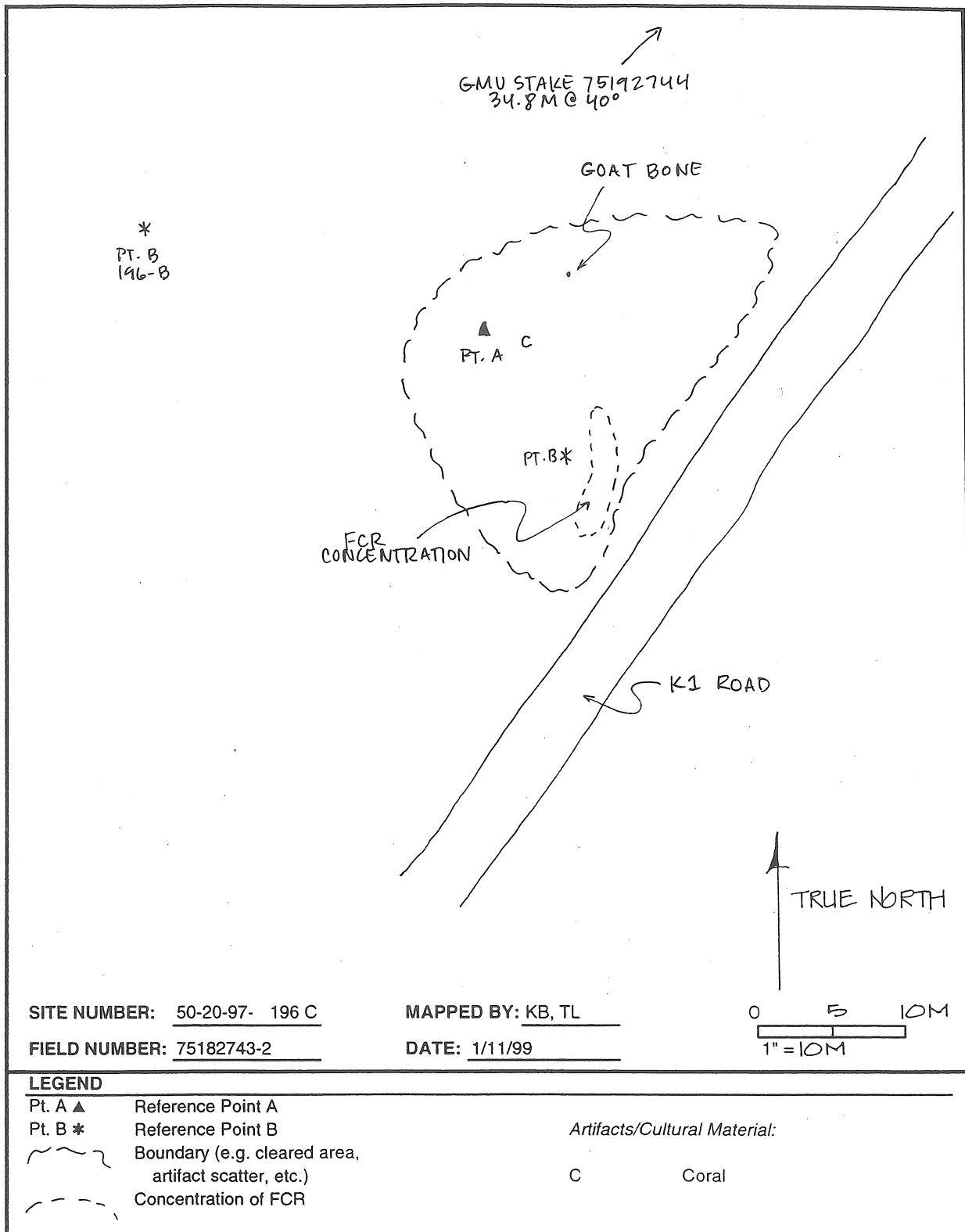


Figure B-84. Site 196, Feature C, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75182743-3
<b>FEATURE:</b> D, E, F	<b>GMU:</b> 75182743
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 78 m (L) x 53 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 4134 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Features D, E, and F of Site 196 were recorded and mapped as one, as there is no distinctive break between the scatters (Figure B-85). The material characteristics of the features at the present time are consistent with the NRHP description with the exception of bird bone and *Cellana spp.* shell, which were not relocated. One coral abrader and two basalt cores also were recorded and mapped. The current vegetation consists of patches of unidentified grass protecting remnant soils, and there is *koa haole* growing out of shallow drainage running through the feature.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75172743-1
<b>FEATURE:</b> G	<b>GMU:</b> 75172743
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 78 m (L) x 53 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 4134 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Adz Preforms/Rejects, Intact Cultural Layer, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 196 consists of a medium-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of a rather large piece of helmet (*Cassia spp.*) shell, one adz preform, one coral abrader, and two basalt cores. Grass-covered patches of remnant soil are extensive throughout the feature area, as well as stands of lantana. Basalt flakes were observed eroding out of remnant soil patches and one large helmet (*Cassia spp.*) shell was observed in the side of a remnant patch of soil. The feature is situated adjacent to a hummock with a large *kiawe* tree (Figure B-86).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75182742-1
<b>FEATURE:</b> S	<b>GMU:</b> 75182743
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 22 m (L) x 45 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 990 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature (Figure B-87).



Figure B-85. Site 196, Features D, E, F, Plan Map

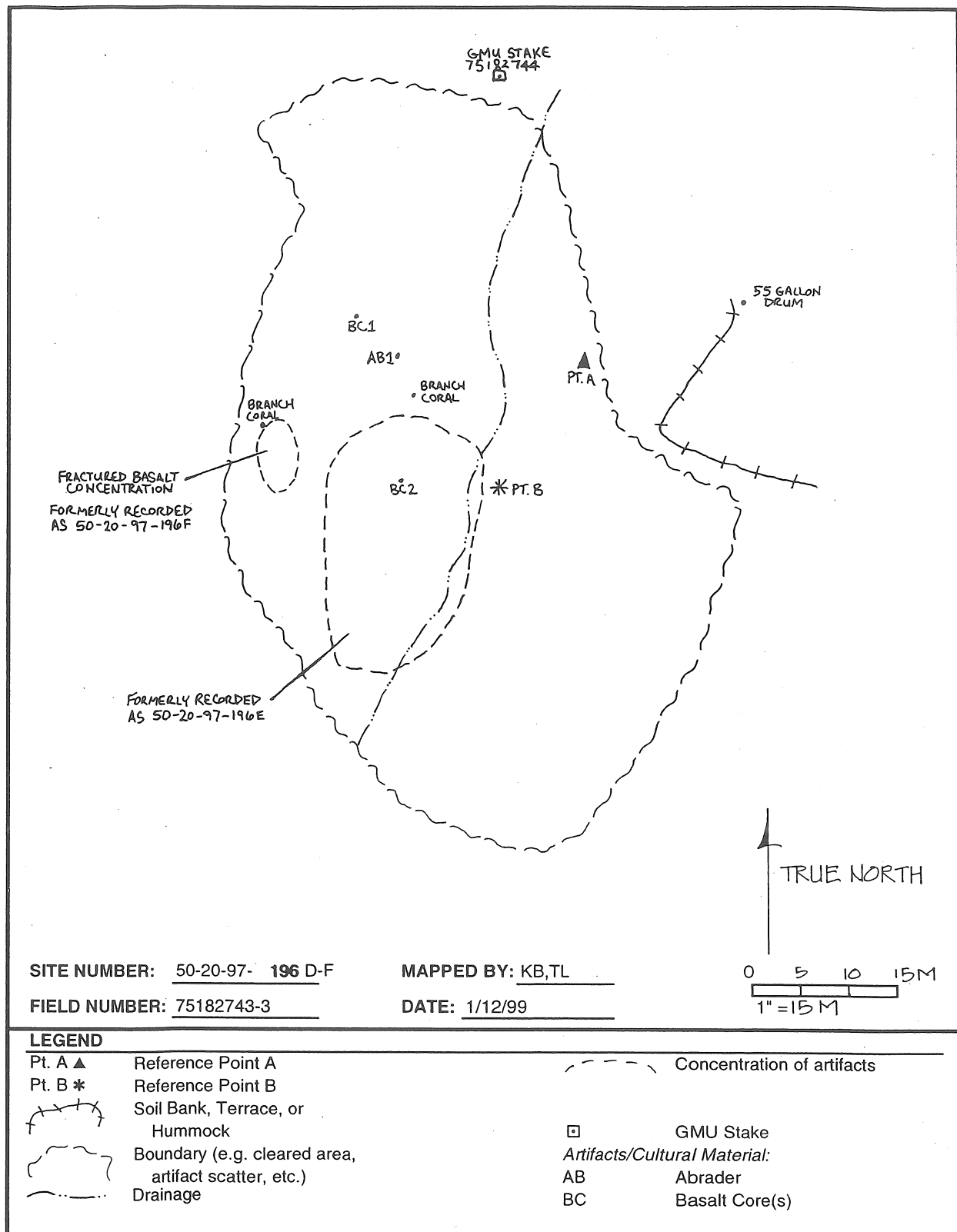


Figure B-86. Site 196, Feature G, Plan Map

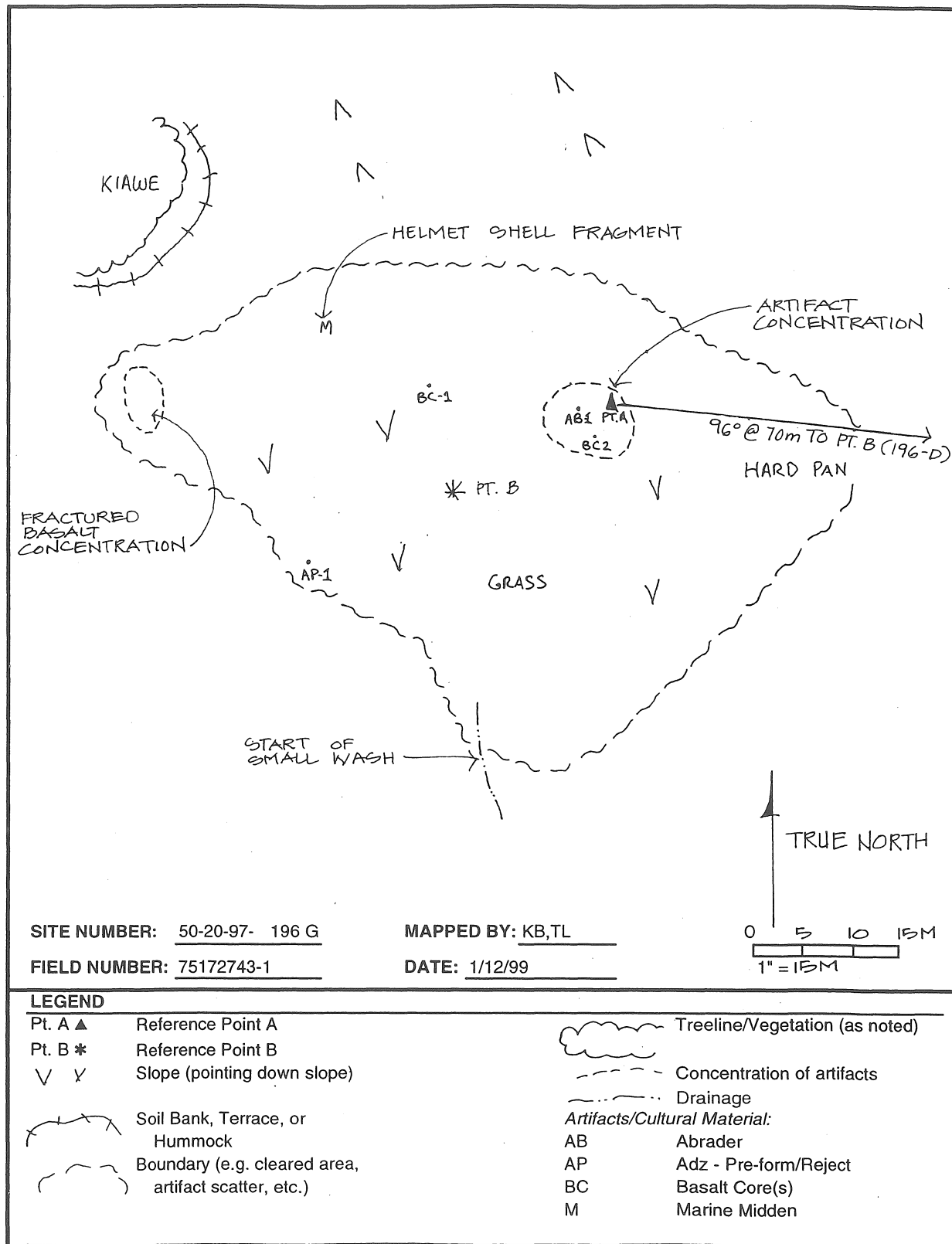
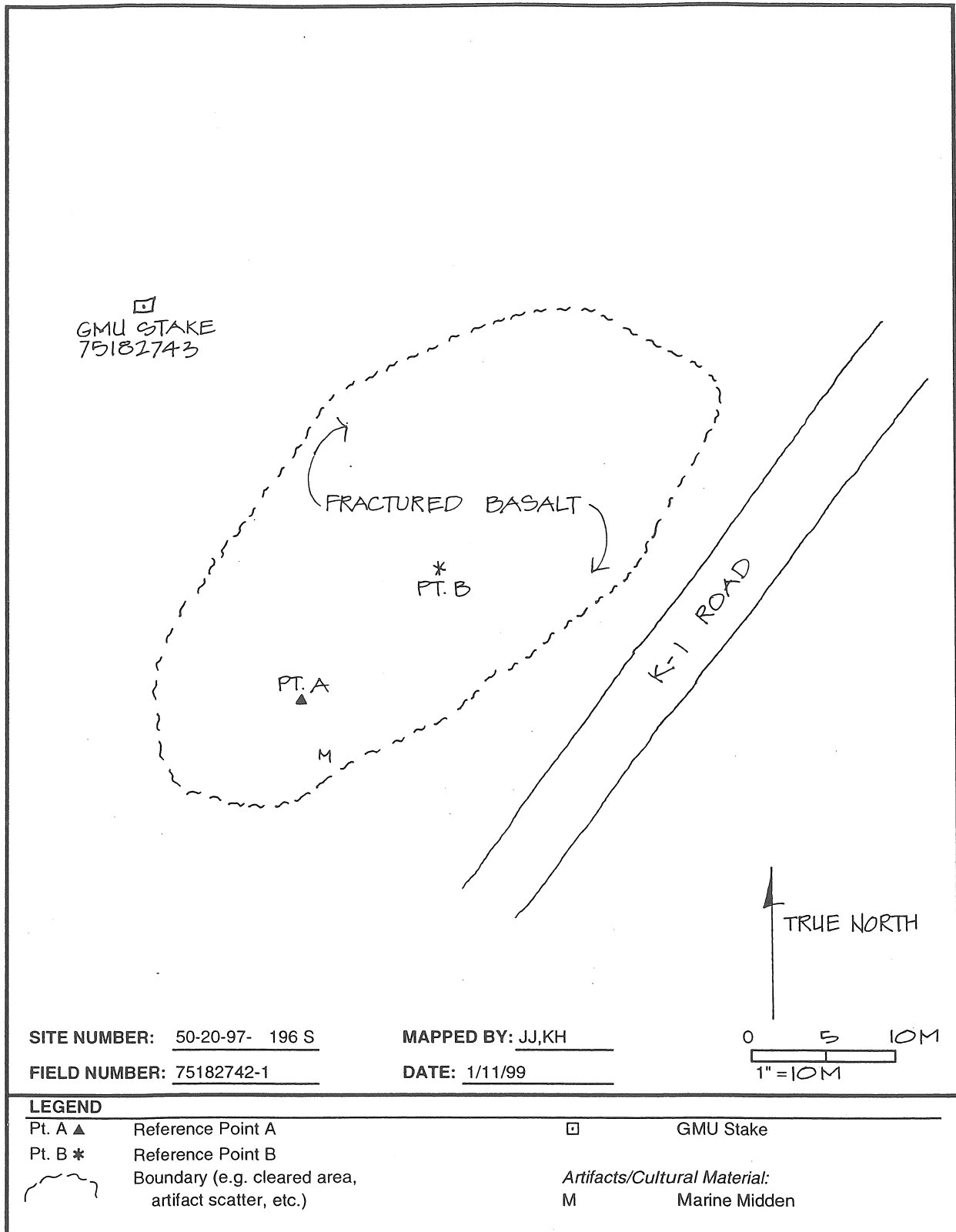


Figure B-87. Site 196, Feature S, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75172743-2
<b>FEATURE:</b> T	<b>GMU:</b> 75172743
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 31 m (L) x 15 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 465 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. One coral abrader and one basalt core were recorded, and four waterworn pebbles were observed around map Reference Point A (Figure B-88). This feature is situated on a denuded hillside with very little vegetation.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75172742-1
<b>FEATURE:</b> U	<b>GMU:</b> 75172742
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 40 m (L) x 30 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1200 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of a few fragments of head coral and one coral abrader that was recorded. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature. This feature is situated on a denuded hillside with small patches of grass covered soil (Figure B-89).

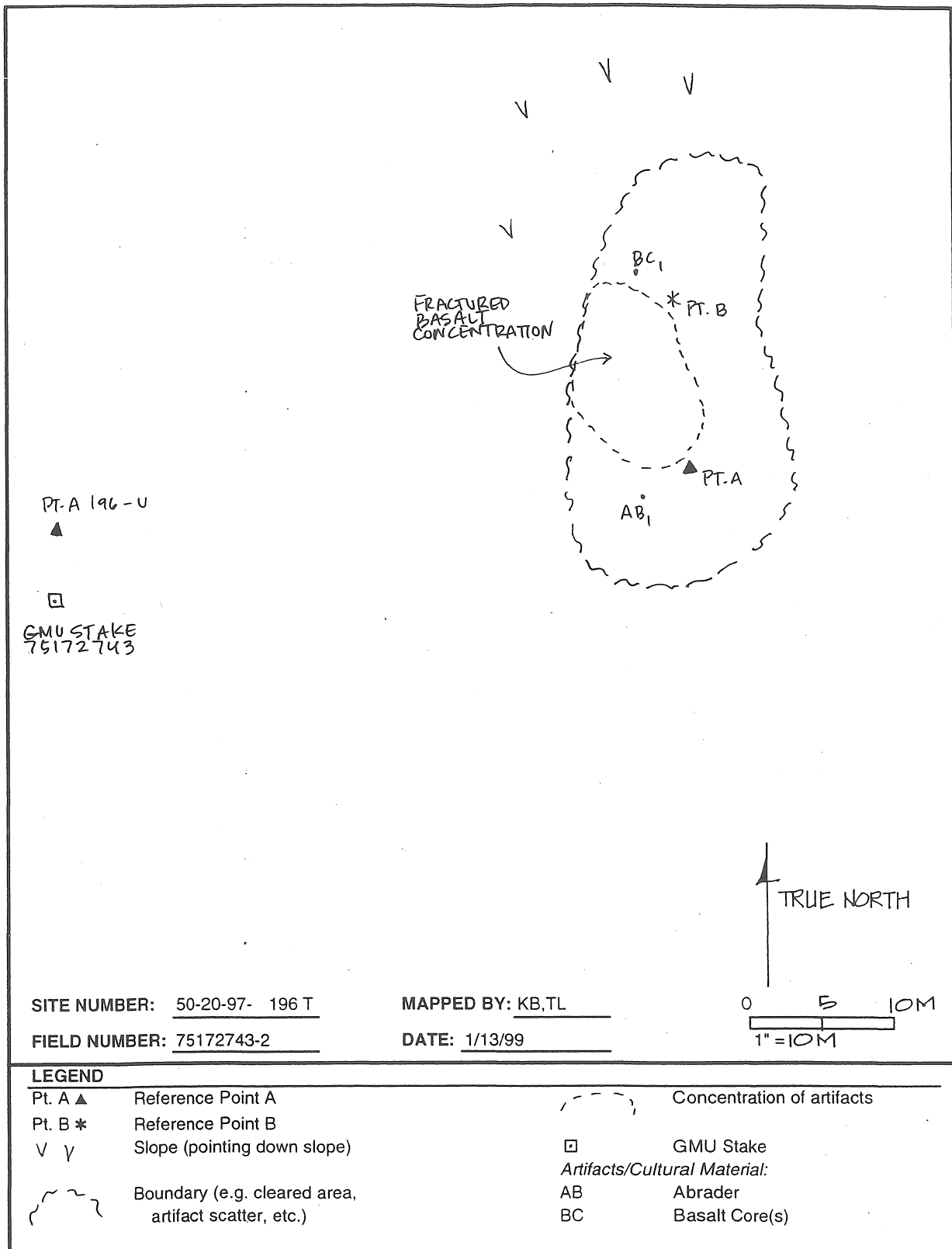
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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75162743-1
<b>FEATURE:</b> V	<b>GMU:</b> 75162743
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 43 m (L) x 24 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1032 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

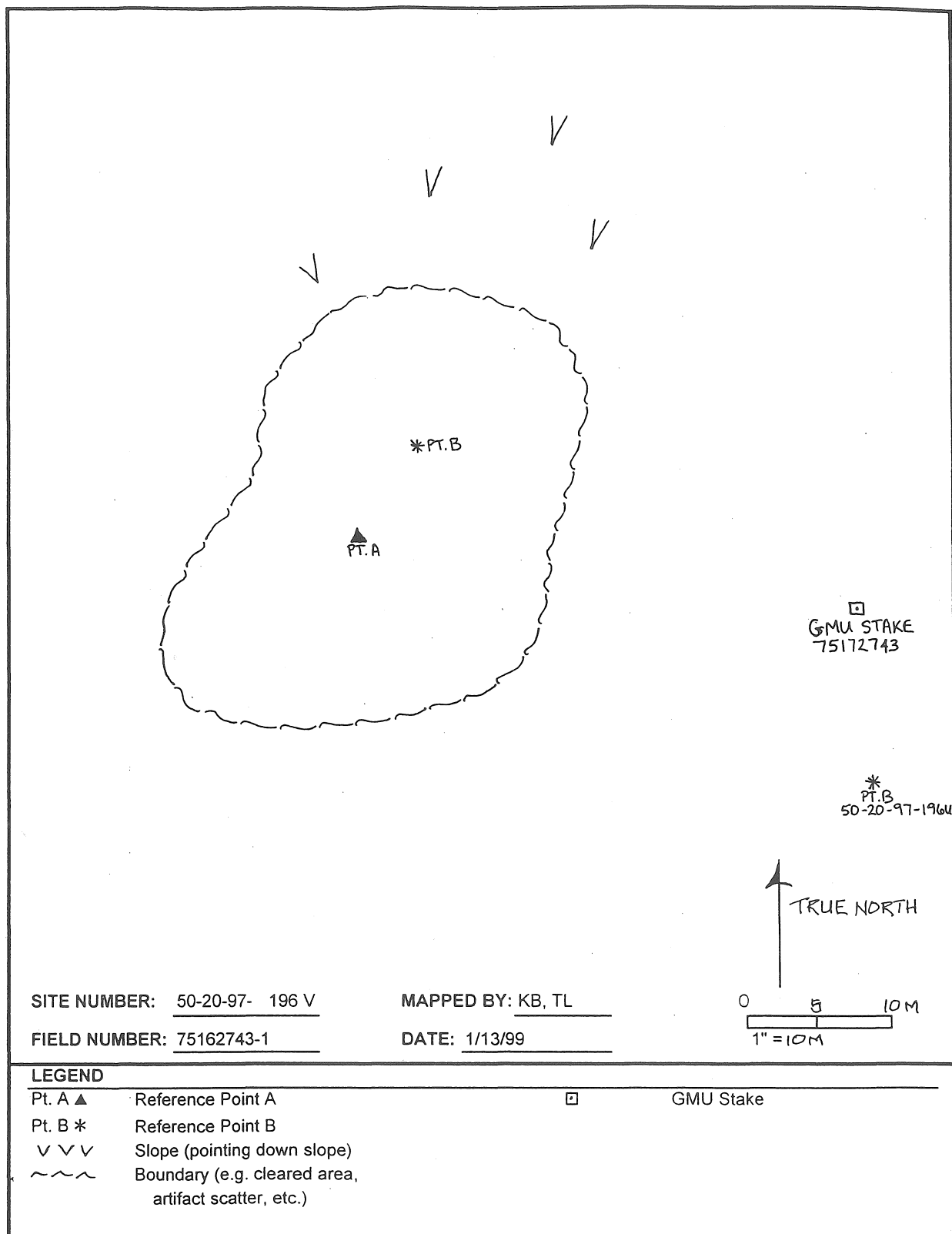
This feature of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. This feature is situated on a denuded hillside with very little vegetation (Figure B-90).

Figure B-88. Site 196, Feature T, Plan Map



Hand-drawn map of a cleared area with a dashed boundary. Inside the boundary, there is a dashed circle labeled "Pt. A 75172743" with an arrow pointing to it. Below this is a star symbol labeled "Pt. B". Further down is a dot labeled "AB-1". Outside the boundary, there are several "V" symbols indicating slopes. A line extends from the top of the boundary at a 12-degree angle, labeled "53M @ 12° TO PT. B, 196 U". A north arrow is labeled "TRUE NORTH". A scale bar shows 0, 5, and 10M, with "1" = 10M". Four GMU stakes are marked with squares and labeled: "GMU STAKE 75162743" (top left), "GMU STAKE 75172743" (top right), "GMU STAKE 75162742" (bottom left), and "GMU STAKE 75172742" (bottom right).

Figure B-90. Site 196, Feature V, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75162741-2
<b>FEATURE:</b> W	<b>GMU:</b> 75162741
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 7 m (L) x 47 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 329 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature W of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. Two basalt cores were recorded at the feature. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature. This feature is situated on a denuded hillside with very little vegetation (Figure B-91).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75162741-1
<b>FEATURE:</b> X	<b>GMU:</b> 75162741
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 92 m (L) x 63 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 5796 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Fireplace, Intact Cultural Layer, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 196 consists of a high-density scatter of cultural materials surrounding a remnant hummock. The material characteristics are generally consistent with that of the NRHP description, with the exception of the adz preform that was not relocated. Two hammerstones, two abraders (one coral and one basalt), one awl, and four basalt cores were recorded. Four, rather than one, possible fireplaces, with charcoal, were observed eroding out of the hummock at the location noted on the NRHP map (Figure B-92). Firepit 1 (FP-1) appears to be stone-lined with the surrounding soil showing evidence of heat alteration. Firepits 2, 3, and 4 have charcoal and soil discoloration associated with them, and midden remains surround all the possible firepit remains.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75162742-1
<b>FEATURE:</b> Y	<b>GMU:</b> 75162742
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 27 m (L) x 26 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 702 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Flakes	

#### Site Description

Feature Y of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. Two concentrations of fractured basalt were noted, along with basalt flakes, one basalt core (recorded), and a small amount of fractured shell. This feature is situated on a denuded hillside with very little vegetation (Figure B-93).



Figure B-91. Site 196, Feature W, Plan Map

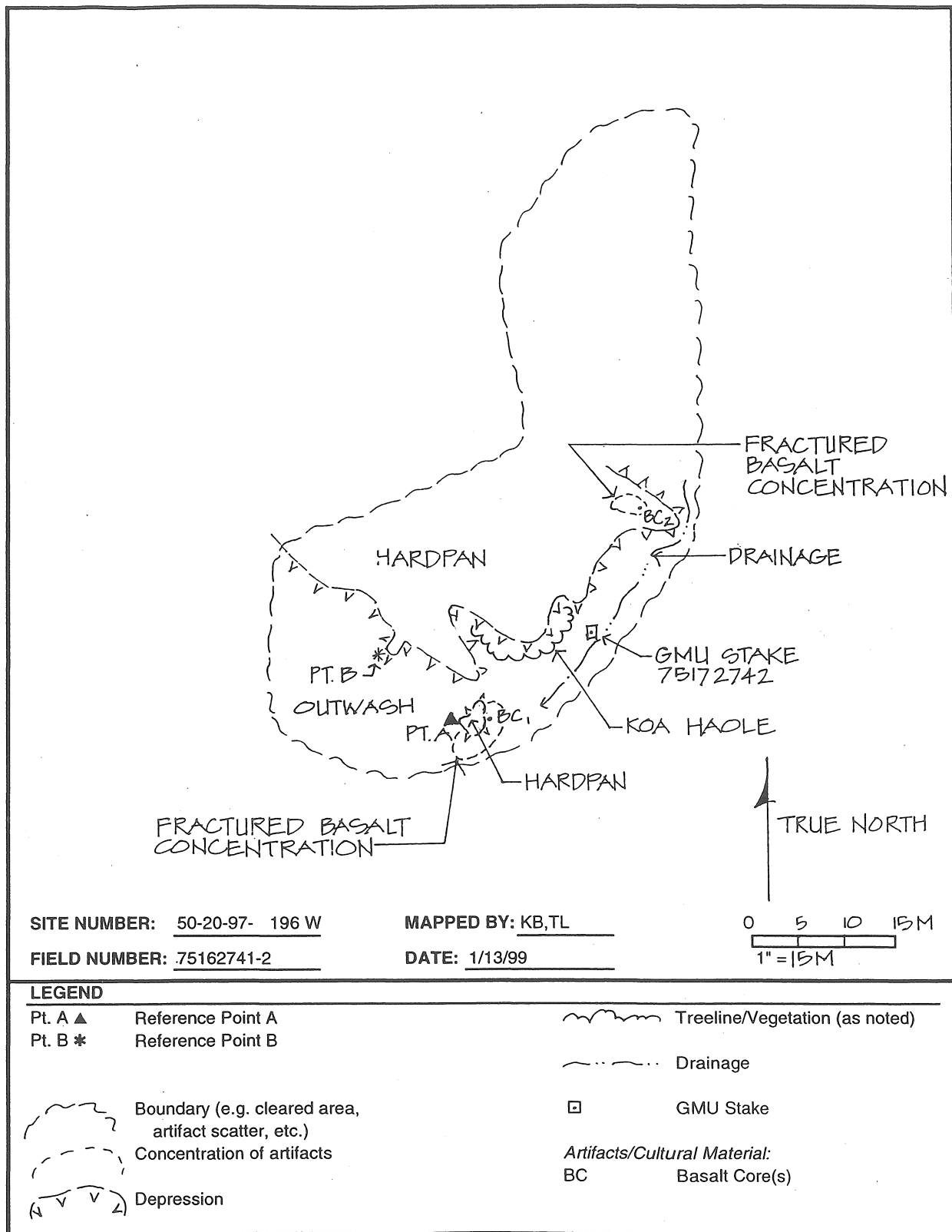


Figure B-92. Site 196, Feature X, Plan Map

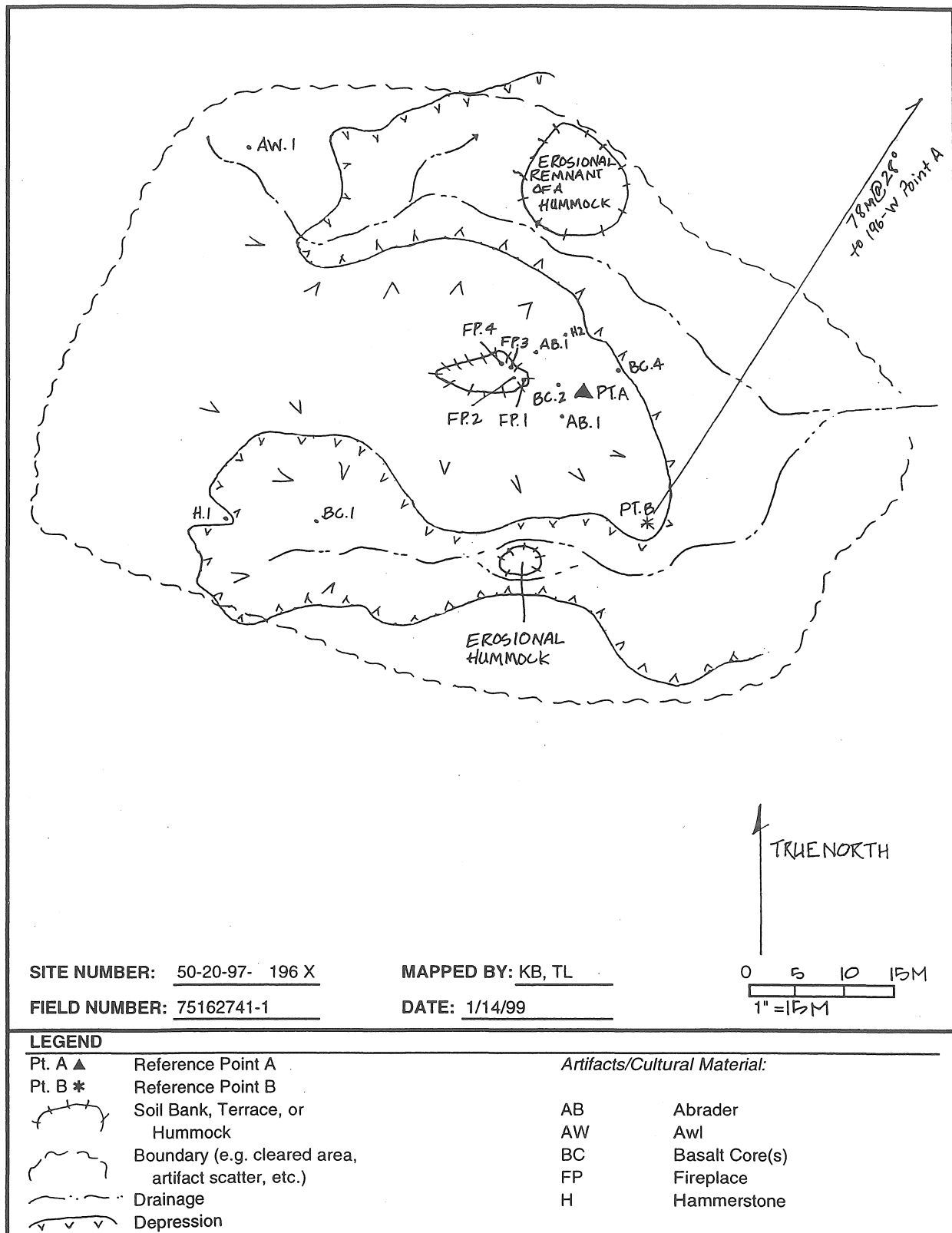
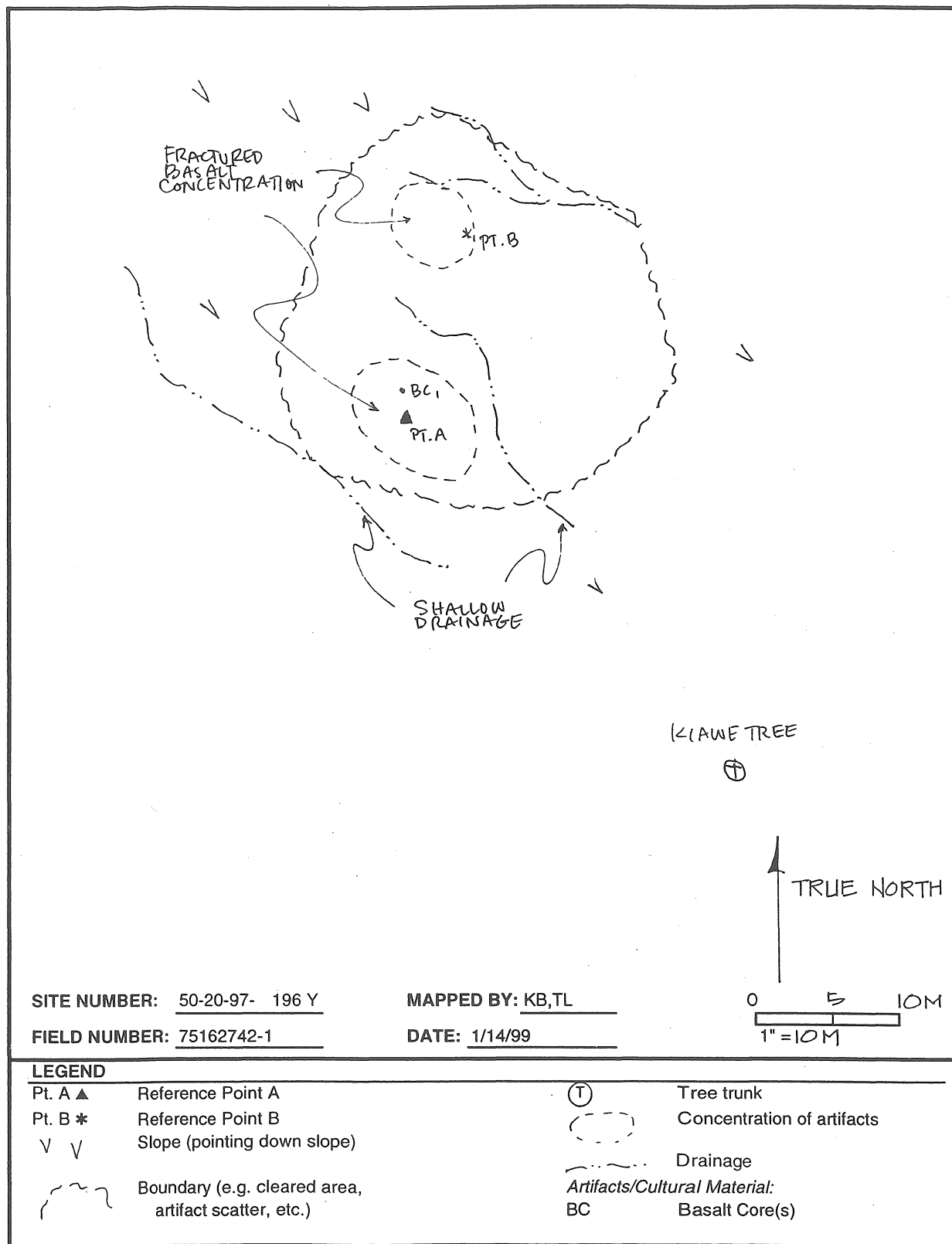


Figure B-93. Site 196, Feature Y, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75152740-1
<b>FEATURE:</b> Z	<b>GMU:</b> 75152740
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 65 m (L) x 37 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 2405 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Flakes, Marine Midden	

#### Site Description

Feature Z of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of one recorded *'ulu maika*. The site as presently recorded is smaller than originally reported. This feature of Site 196 is situated on a denuded hillside with very little vegetation (Figure B-94).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75142740-3
<b>FEATURE:</b> AA, AB	<b>GMU:</b> 75142740
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 43 m (L) x 30 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1290 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Basalt Flakes, Marine Midden	

#### Site Description

This site was recorded as two concentrations of fractured basalt intermixed with basalt flakes and a minor amount of marine shell midden, with one recorded adz preform/reject (Figure B-95). Previously recorded Feature 196-AB is in the northwest portion, and the Feature 196-AA is in the southwest portion of the recorded property. This feature is situated on a denuded hillside with very little vegetation.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75152740-2
<b>FEATURE:</b> AD	<b>GMU:</b> 75152740
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 58 m (L) x 34 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1972 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature AD of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. Three concentrations of fractured basalt were noted, along with basalt flakes and a small amount of fragmented shell. There is also a concentration of basalt flakes in the eastern side of the site. Artifacts recorded at this feature include one basalt awl and two *'ulu maika*. This feature is situated on a denuded hillside with very little vegetation (Figure B-96).

Figure B-94. Site 196, Feature Z, Plan Map

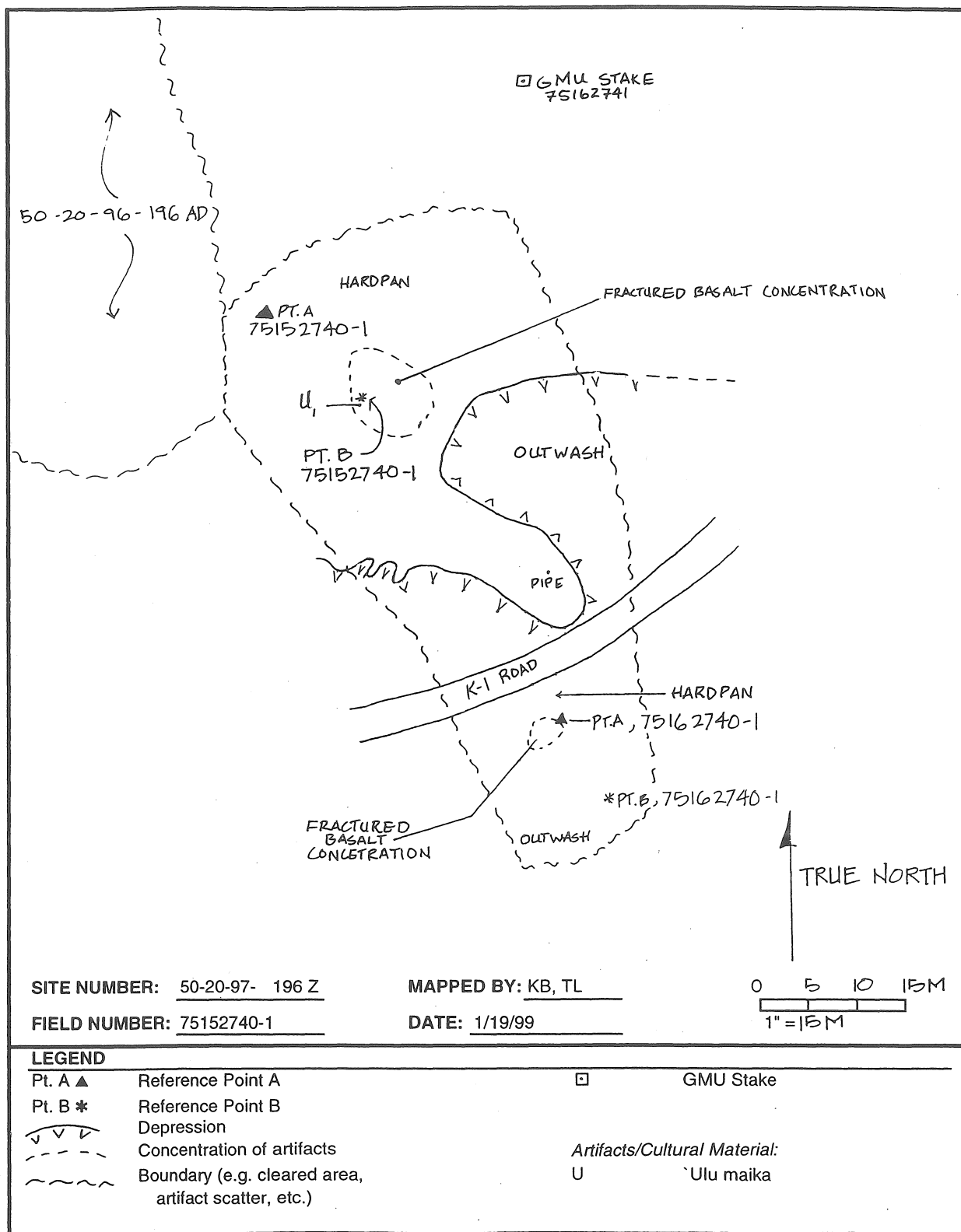


Figure B-95. Site 196, Features AA, AB, Plan Map

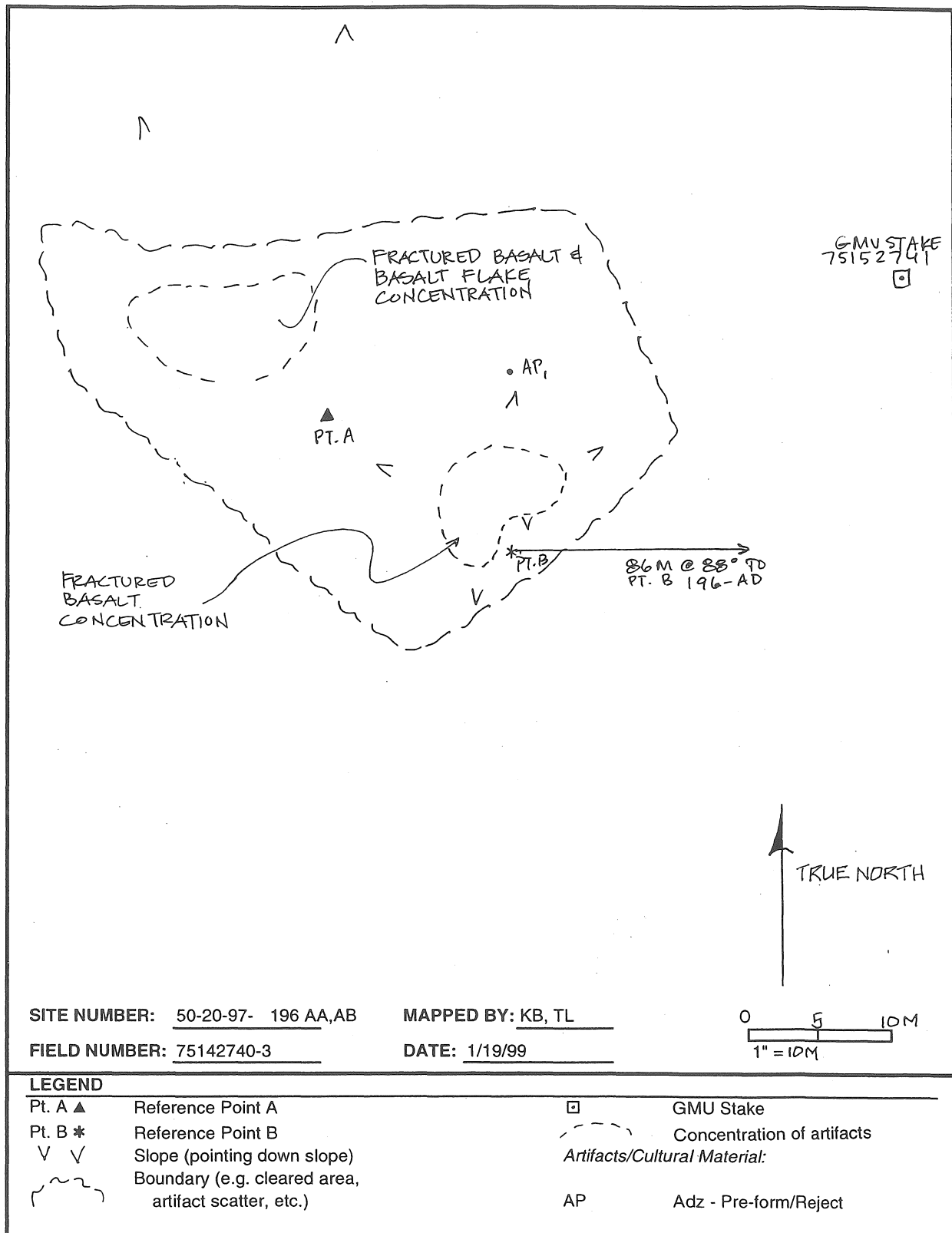
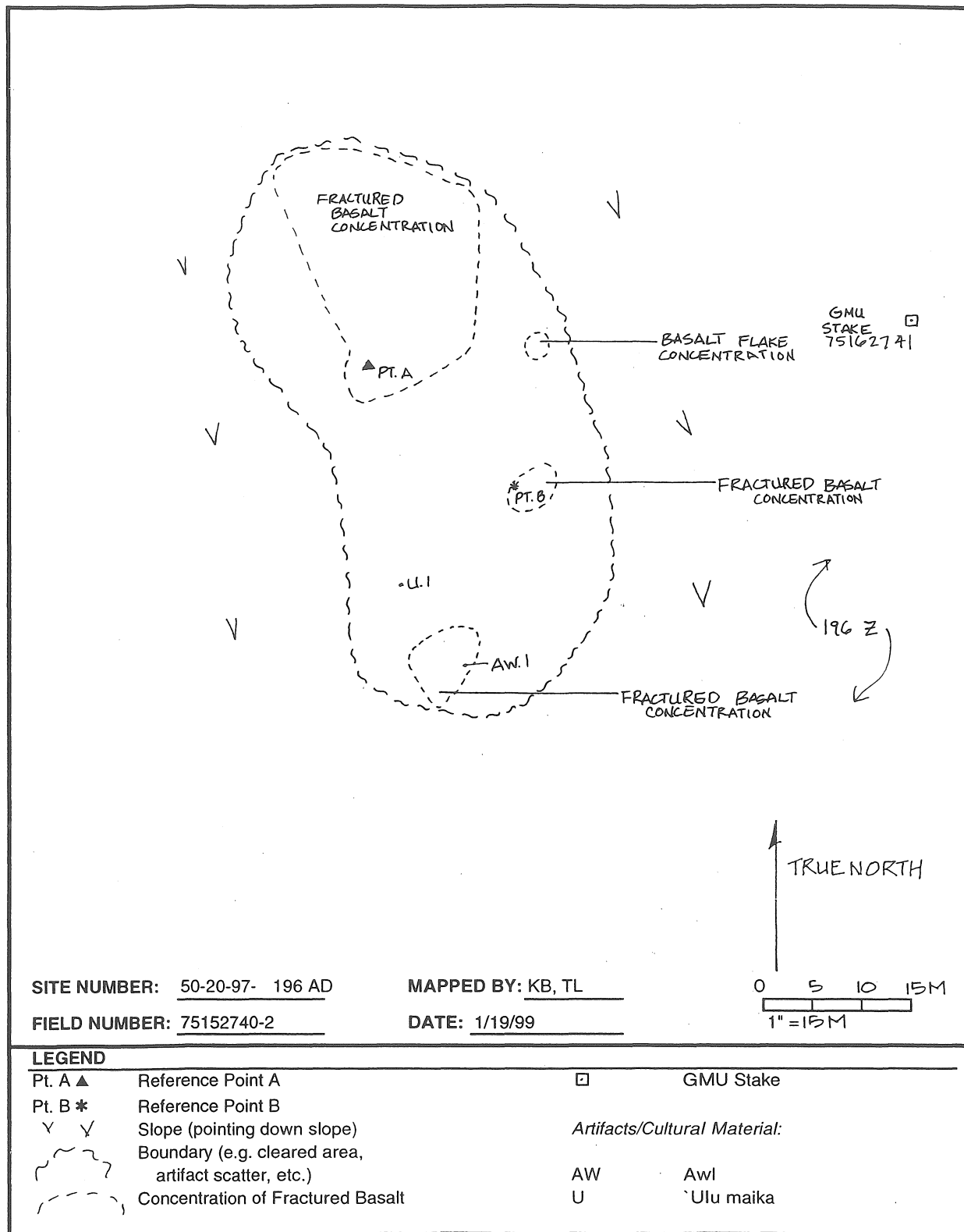


Figure B-96. Site 196, Feature AD, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75142740-2
<b>FEATURE:</b> AF	<b>GMU:</b> 75142740
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 19 m (L) x 19 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 361 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Artifacts, Basalt Flakes	

#### Site Description

This feature of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the exception of the *Thaididae spp.* shell and the addition of the one recorded basalt awl (Figure B-97). The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature. This feature is situated on a denuded hillside with a few patches of grass-covered shallow soils.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75142740-1
<b>FEATURE:</b> AG	<b>GMU:</b> 75142740
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 34 m (L) x 26 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 884 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature AG of Site 196 consists of a medium-density scatter of cultural materials listed in the NRHP Nomination form description, except the volcanic glass and the coral abraders were not relocated. However, the two concentrations of fractured basalt were noted, and two basalt cores were recorded. This feature is situated on a denuded hillside with a few patches of grass-covered shallow soils (Figure B-98).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75142739-1
<b>FEATURE:</b> AH	<b>GMU:</b> 75142739
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 73 m (L) x 25 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1825 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 196 consists of a medium-density scatter of cultural materials listed in the NRHP Nomination form description, with the exception of the adz preform that was not relocated. Additional materials located and recorded during this project include a coral abrader, a basalt awl, two basalt cores, and a specimen of a *Conus spp.* (Figure B-99). The southern half of the feature sits in a *kiawe* stand on an outwash, while the northern half of the feature extends onto the flat hardpan.



Figure B-97. Site 196, Feature AF, Plan Map

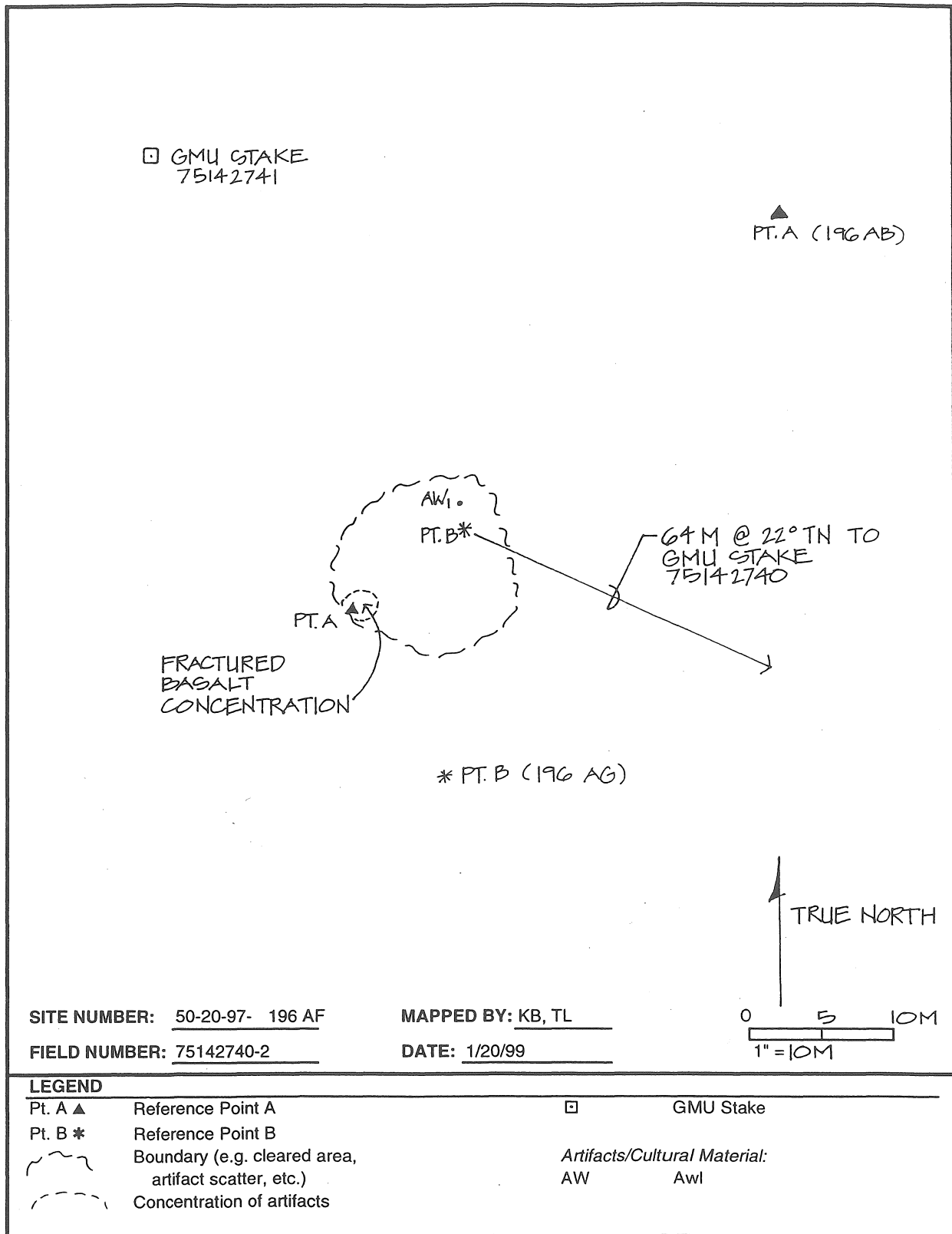


Figure B-98. Site 196, Feature AG, Plan Map

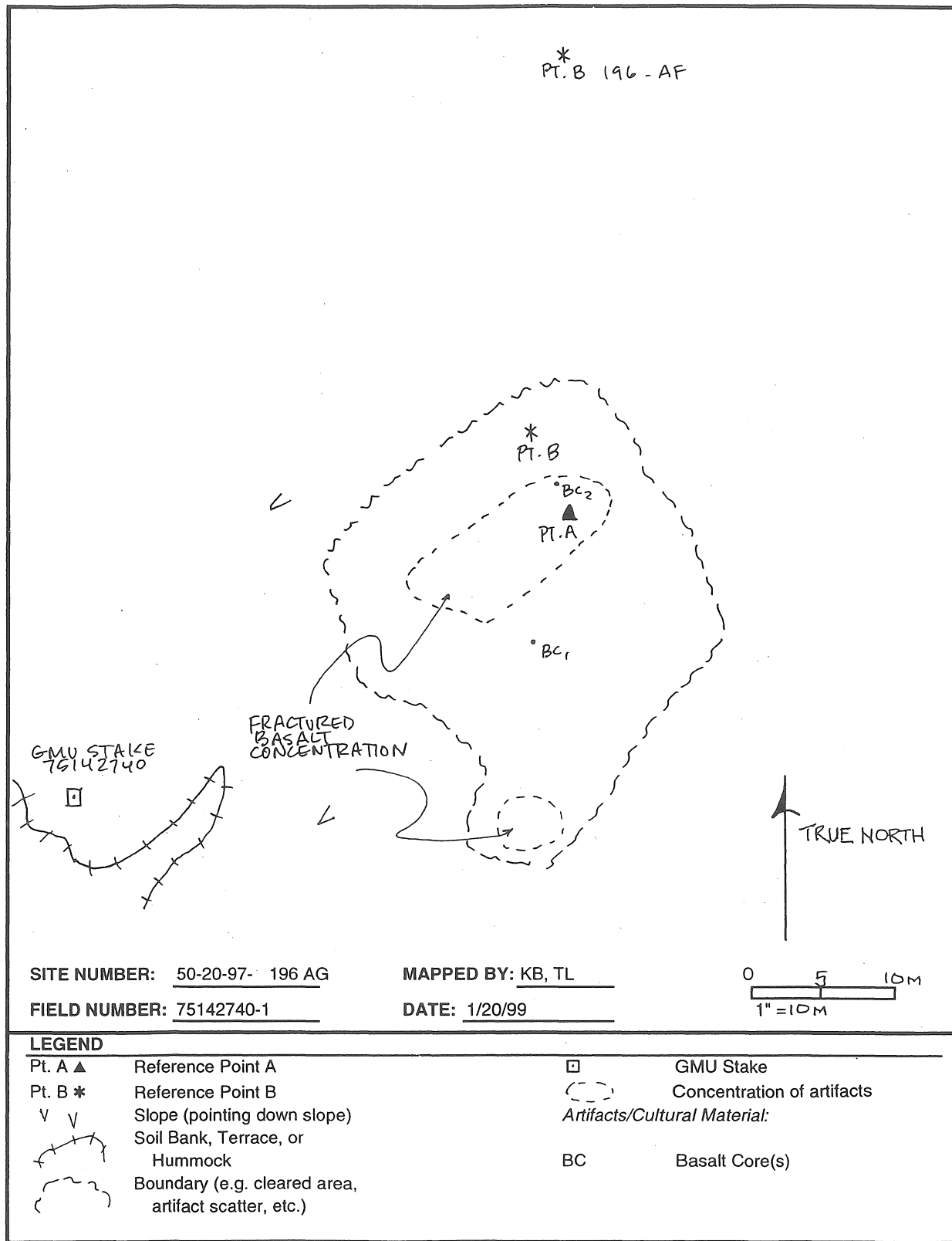
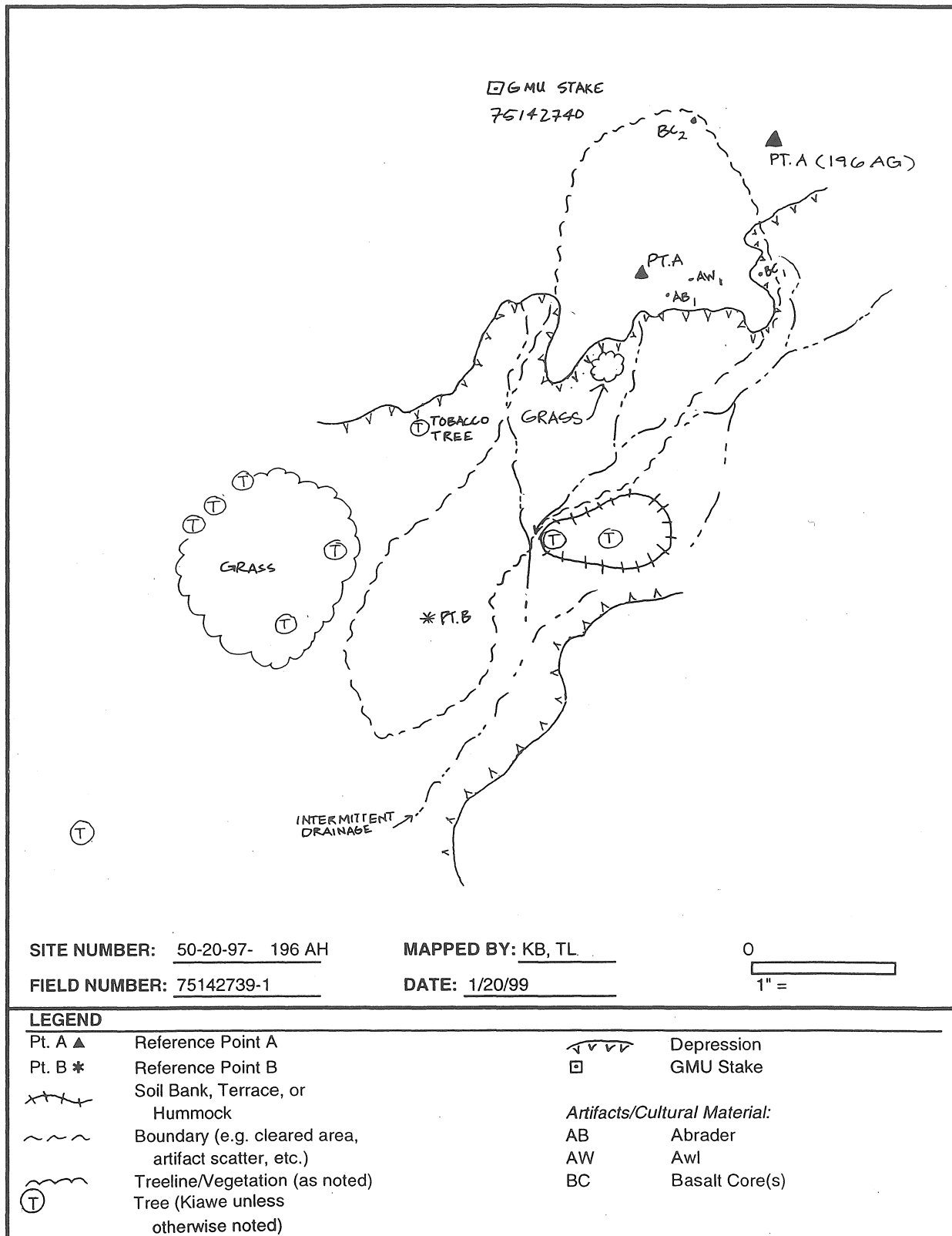


Figure B-99. Site 196, Feature AH, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75132739-1
<b>FEATURE:</b> AI	<b>GMU:</b> 75132739
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 45 m (L) x 18 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 810 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature AI of Site 196 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with addition of *Thaididae* spp. fragments, volcanic glass, and head coral fragments. Additional recorded artifacts include one coral abrader and two basalt bifaces. With the exception of one patch of grass-covered remnant soil containing a partially articulated goat skeleton, the feature is devoid of vegetation (Figure B-100).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-196	<b>FIELD NO.:</b> 75122738-1
<b>FEATURE:</b> AK	<b>GMU:</b> 75122738
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 10 m (L) x 57 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 570 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Basalt Flakes, Basalt Artifacts	

#### Site Description

This feature of Site 196 consists of a low-density scatter of cultural materials listed in NRHP description. One adz preform/reject and one basalt core were recorded at this feature. The terrain of the feature is well vegetated with grass and shrubs, while the flood plain below and north of the site has no vegetation (Figure B-101).

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<b>SITE NUMBER (SIHP):</b> 204	<b>FIELD NO.:</b> 75062735-1
<b>FEATURE:</b> None	<b>GMU:</b> 75062735
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 38 m (L) x 24 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 912 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Flakes, Marine Midden	

#### Site Description

This site consists of a low-density scatter of cultural materials listed in NRHP Nomination form description, with the addition of one adz preform/reject and three basalt cores that were recorded. The site is situated on the south side of a large gully that feeds into Ahupu Gulch. This feature is situated on a denuded hillside with very little vegetation (Figure 3-5a; Figure B-102).

Figure B-100. Site 196, Feature AI, Plan Map

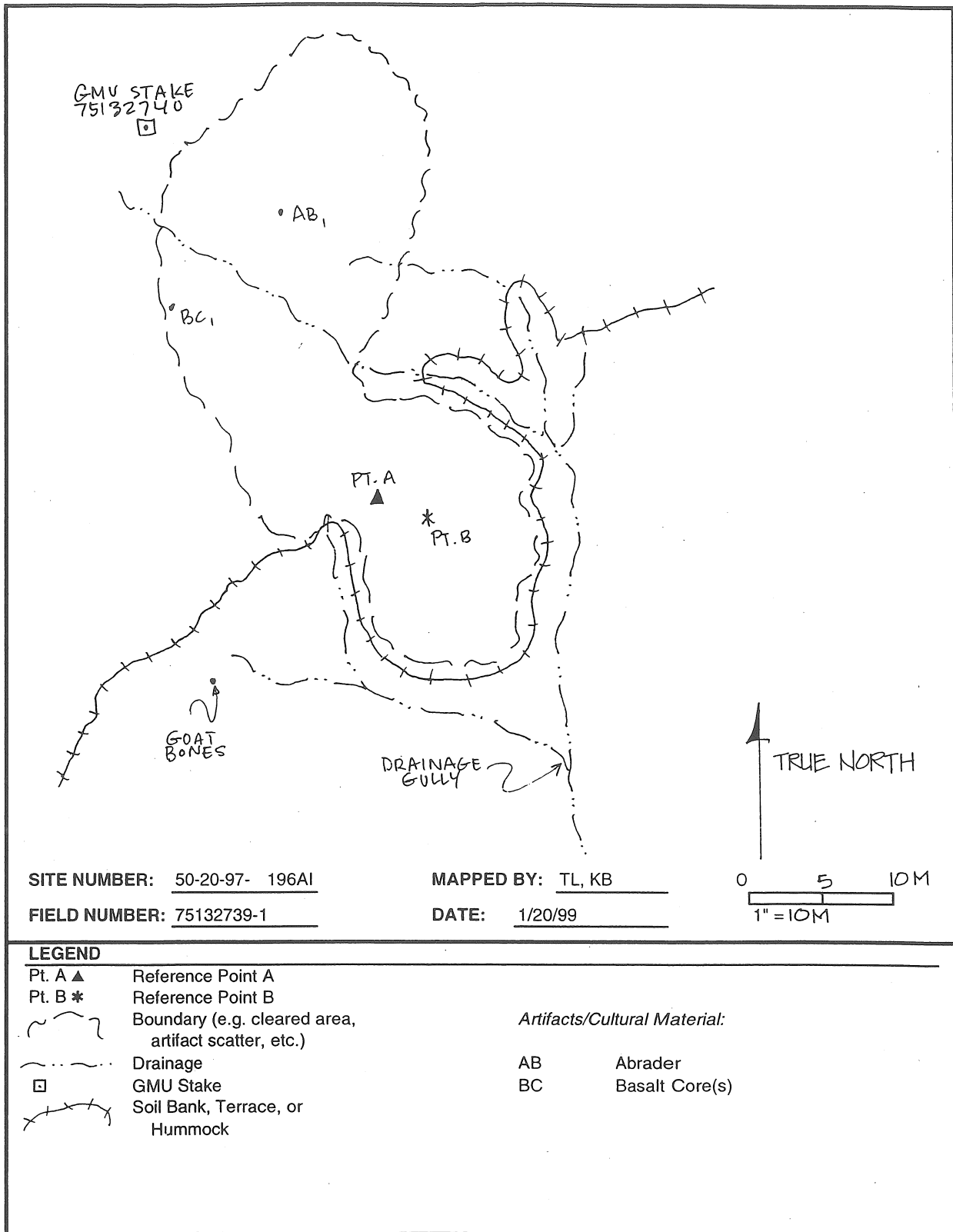


Figure B-101. Site 196, Feature AK, Plan Map

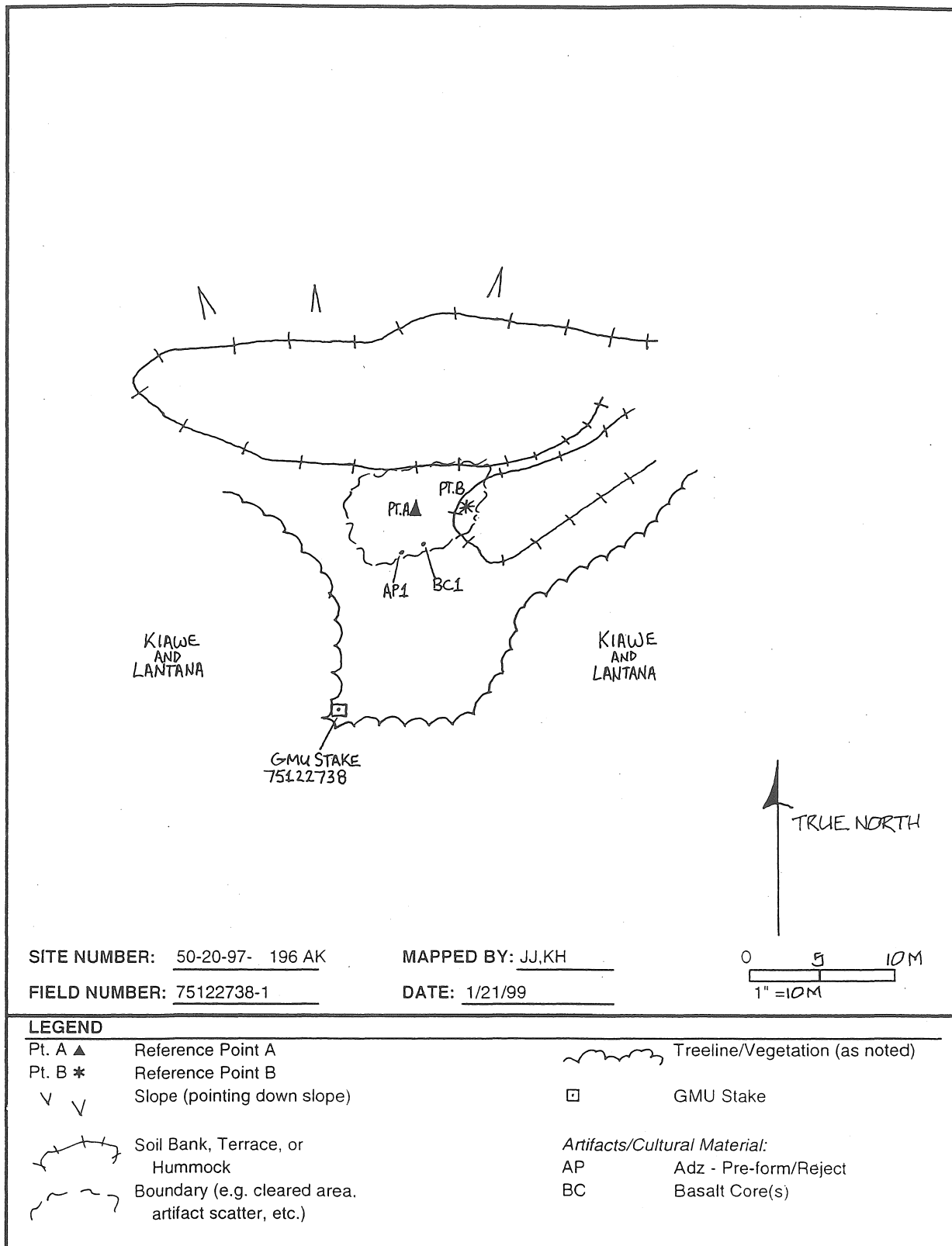
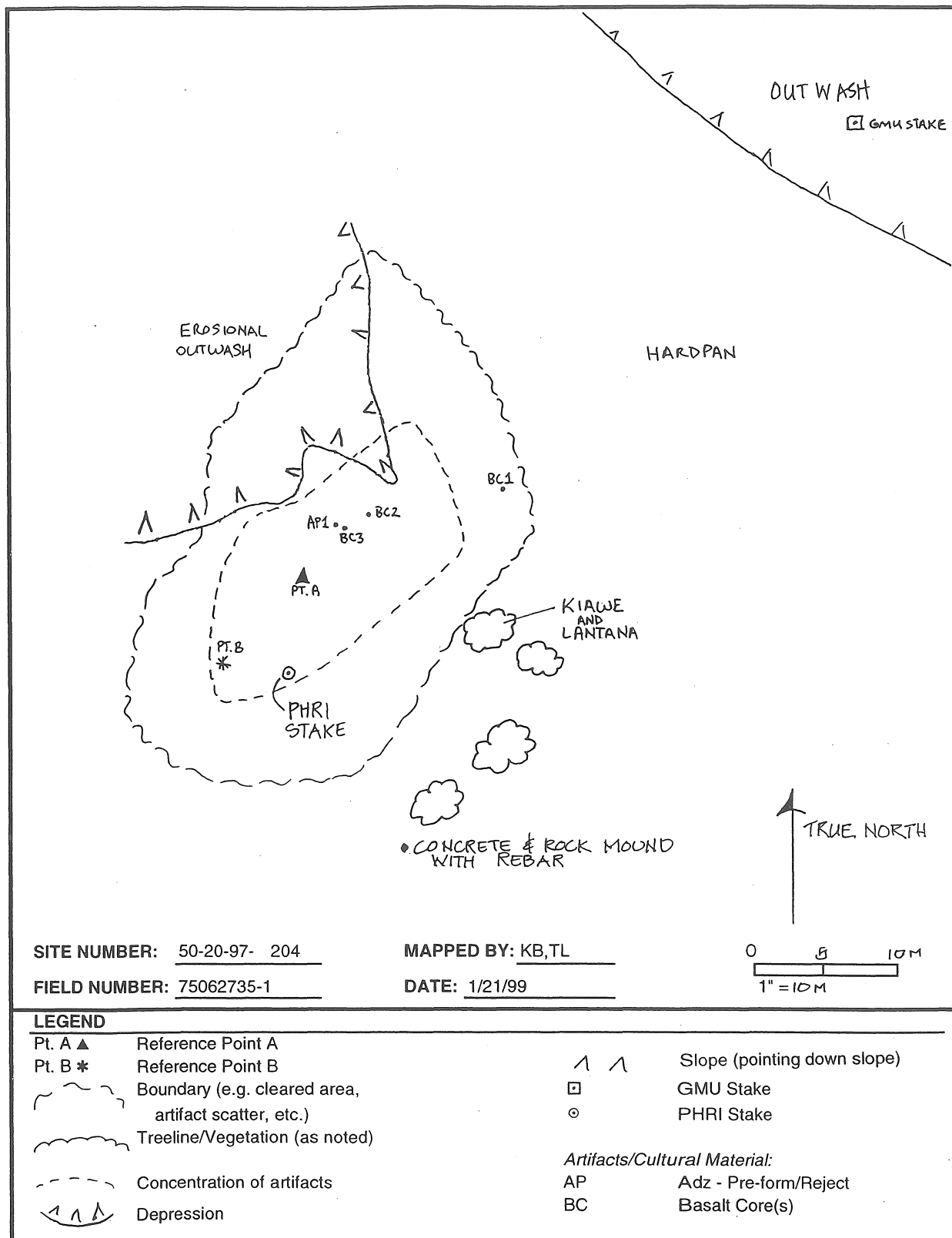


Figure B-102. Site 204, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-205  
**FEATURE:** E  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Basalt Flakes

**FIELD NO.:** 75042734-1  
**GMU:** 75042734  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** < 10 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 3 m (L) x 8 m (W)  
**SITE AREA:** Approx. 24 sq. m

#### Site Description

Site 205 is described as a complex of six activity areas (features A through F) and the remains of an historic campsite (Feature G) on the denuded uplands east of Pu'umo'iwi (NRHP Nomination form). During the archaeological survey performed in conjunction with the Model Clearance Project, an additional activity area was newly discovered west of Feature F, and was designated as Feature H (Hammatt *et al.* 1996). Features E, F, G, and H were all positively identified and recorded during the course of the fieldwork for Task Order 07 (Figure 3-5a).

#### Feature E Description

This feature of Site 205 consists of a low-density scatter of cultural materials listed in NRHP description, with the addition of a small amount of basalt flakes. The site is situated in an area that is mostly deflated, with low bushes and grasses growing on isolated clumps of low soils. A tobacco tree is on the northern edge of the feature (Figure B-103).

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**SITE NUMBER (SIHP):** 50-20-97-205  
**FEATURE:** F  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Fireplace, Basalt Flakes, Marine Midden

**FIELD NO.:** 75032734-1  
**GMU:** 75032734  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 41 m (L) x 16 m (W)  
**SITE AREA:** Approx. 656 sq. m

#### Site Description

This feature of Site 205 consists of a medium-density scatter of cultural materials adjacent to an eroding hummock, as described on the NRHP Nomination form (Figure B-104). The previously recorded firepit was noted near the top of the hummock. Some small pieces of charcoal were also noted in the possible hearth. One basalt core was recorded at this feature. The western portion of the feature is very eroded and mostly consists of fractured basalt on hard pan. Metal fragments and large metal objects were noted at the head wall of a gully on the western edge of the feature.



Figure B-103. Site 205, Feature E, Plan Map

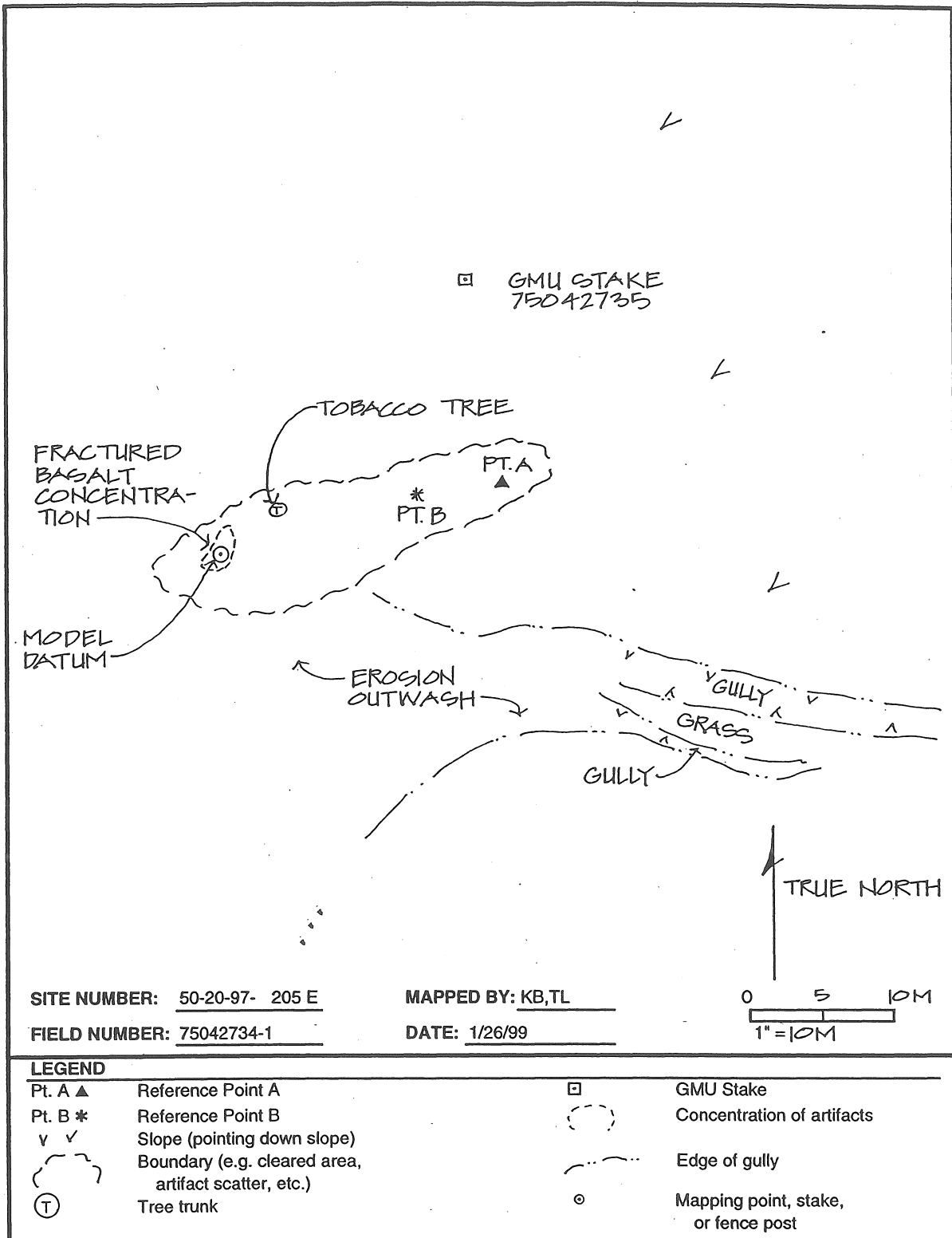
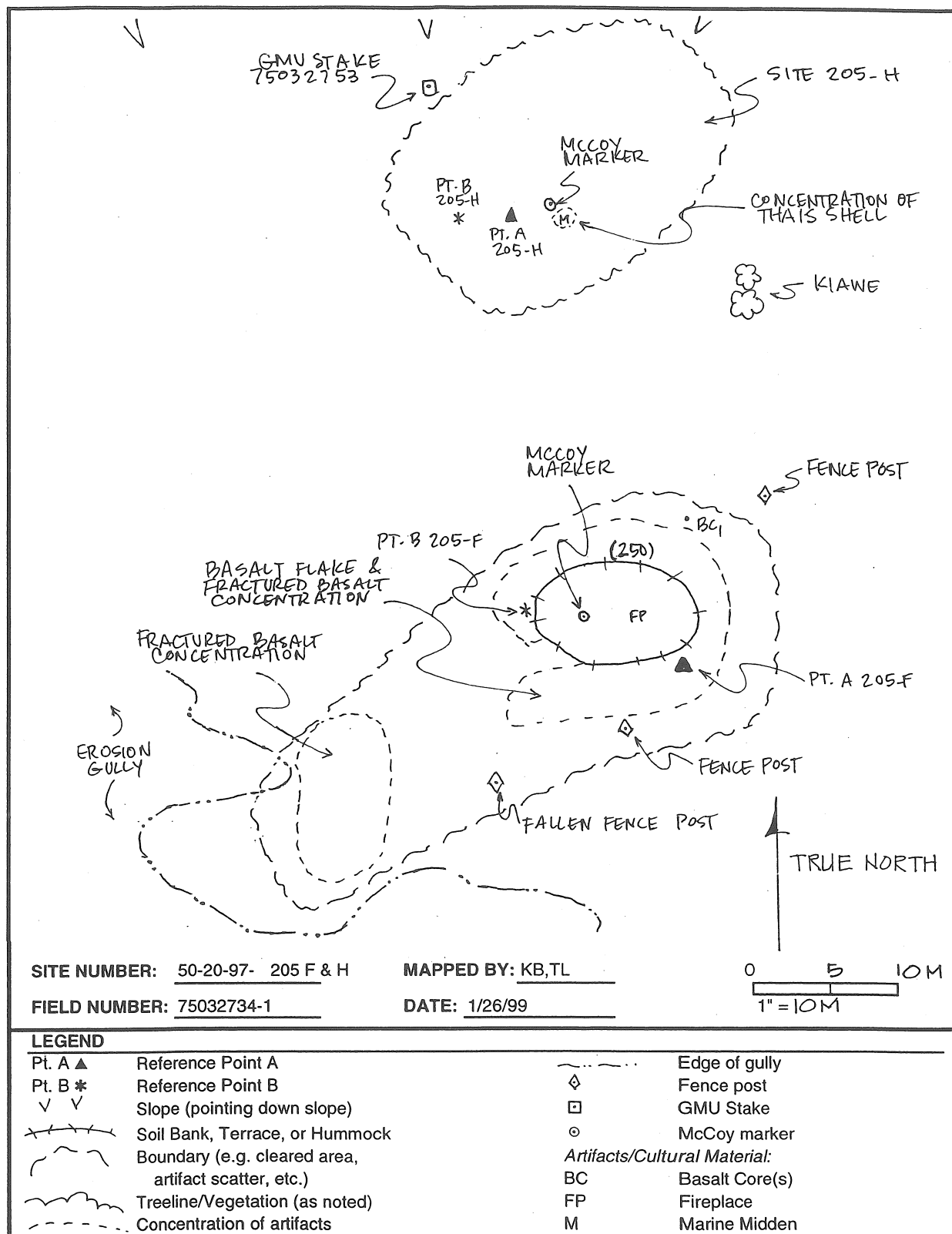


Figure B-104. Site 205, Features F and H, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-205  
**FEATURE:** G  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric, Historic  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75032733-1  
**GMU:** 75032733  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 58 m (L) x 10 m (W)  
**SITE AREA:** Approx. 580 sq. m

#### Site Description

Feature G of Site 205 consists of two concentrations of scattered cultural materials. The eastern concentration contains the historic artifacts described in the NRHP Nomination form, including bottle fragments, white ceramic jar fragments, metal fragments, and pieces of wood from a deteriorating fence. Numerous *Cellana spp.* shells and some fragments of *Cypraea spp.* shell also are present. The western concentration primarily consists of flakes and cores of basalt. Fractured basalt is present in both areas. Artifacts recorded at this feature include one basalt core and two miscellaneous artifacts. This feature is situated on a denuded hillside with some isolated patches of grass growing on shallow soils. A small hummock with *kiawe* trees is on the south side of the site (Figure B-105).

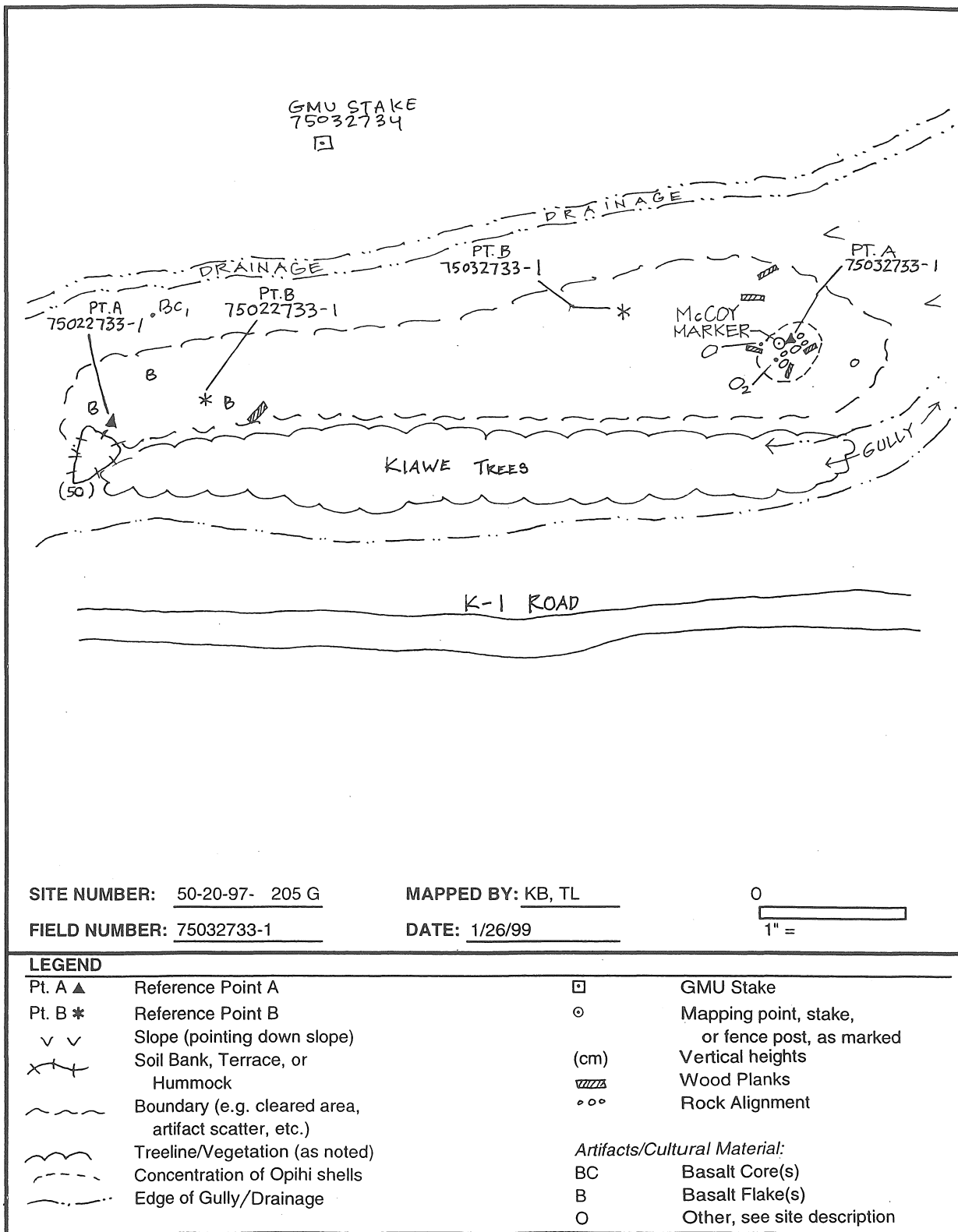
**SITE NUMBER (SIHP):** 50-20-97-205  
**FEATURE:** H  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Basalt Flakes, Marine Midden

**FIELD NO.:** 75032734-2  
**GMU:** 75032734  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 24 m (L) x 17.5 m (W)  
**SITE AREA:** Approx. 420 sq. m

#### Site Description

This feature of Site 205 consists of a low-density scatter of fractured basalt, basalt flakes, and a small quantity of fragmented shell. This feature is situated on a denuded hillside with very little vegetation (Figure B-104).

Figure B-105. Site 205, Feature G, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-214	<b>FIELD NO.:</b> 75112737-1
<b>FEATURE:</b> A	<b>GMU:</b> 75112737
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 39 m (L) x 35 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1365 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Fireplace, Basalt Flakes, Marine Midden	

#### Site Description

Site 214 is described as consisting of three features situated on the upland slopes north of K-1 Road, near the eight-mile marker. Features A, B, and C were all positively identified and recorded during the course of the fieldwork. An additional feature of Site 214 (Feature D) was designated during this project (Figure 3-5b).

What was previously recorded as Feature C was recorded as two separate features. Because there is a clear area devoid of cultural materials separating the eastern and western halves of Feature C, Feature D was designated as the eastern half, and Feature C was recorded as a smaller artifact scatter of the western half.

#### Feature A Description

This feature of Site 214 appears largely unchanged since it was originally described on the NRHP Nomination form. It consists of a medium-density scatter of fractured basalt, basalt flakes, one recorded basalt core, and marine shell midden. Shell species observed include *Thaididae*, *Cypraea*, and *Cellana spp.* The remains of a hearth eroding out of a patch of forb-covered shallow soil was observed (Figure B-106). This feature is situated on a denuded hillside with very little vegetation, though there are *Kiawe* trees 5 to 10 meters downhill.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-214	<b>FIELD NO.:</b> 75112736-1
<b>FEATURE:</b> B	<b>GMU:</b> 75112736
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 38 m (L) x 26 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 988 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Sinkers, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 214 consists of a low-density scatter of cultural materials listed in NRHP description, with the addition of a small sandstone sinker that was recorded. Marine shell observed include *Thaididae* and *Cypraea spp.* This feature is situated on a denuded hillside with a few patches of grass-covered shallow soils (Figure B-107).

Figure B-106. Site 214, Feature A, Plan Map

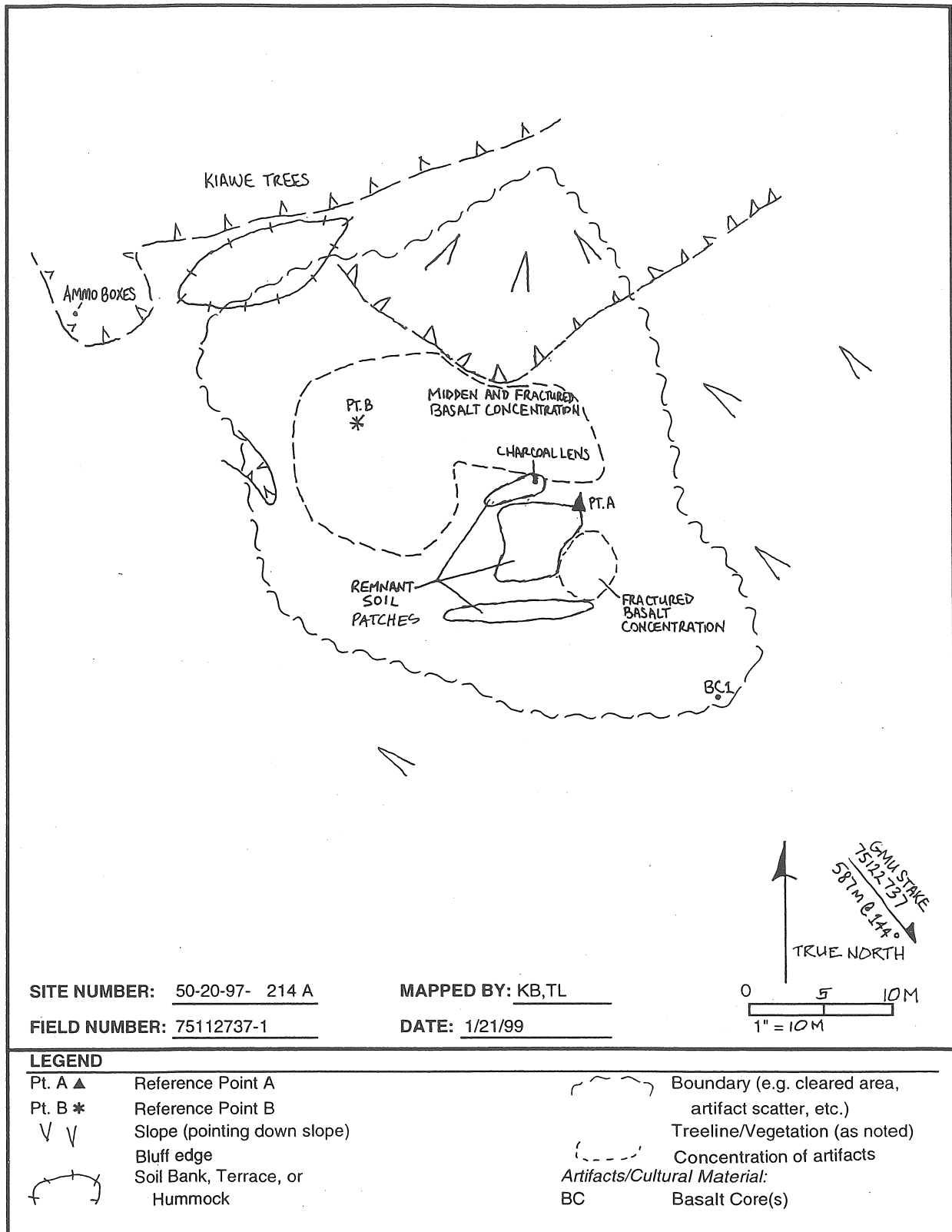
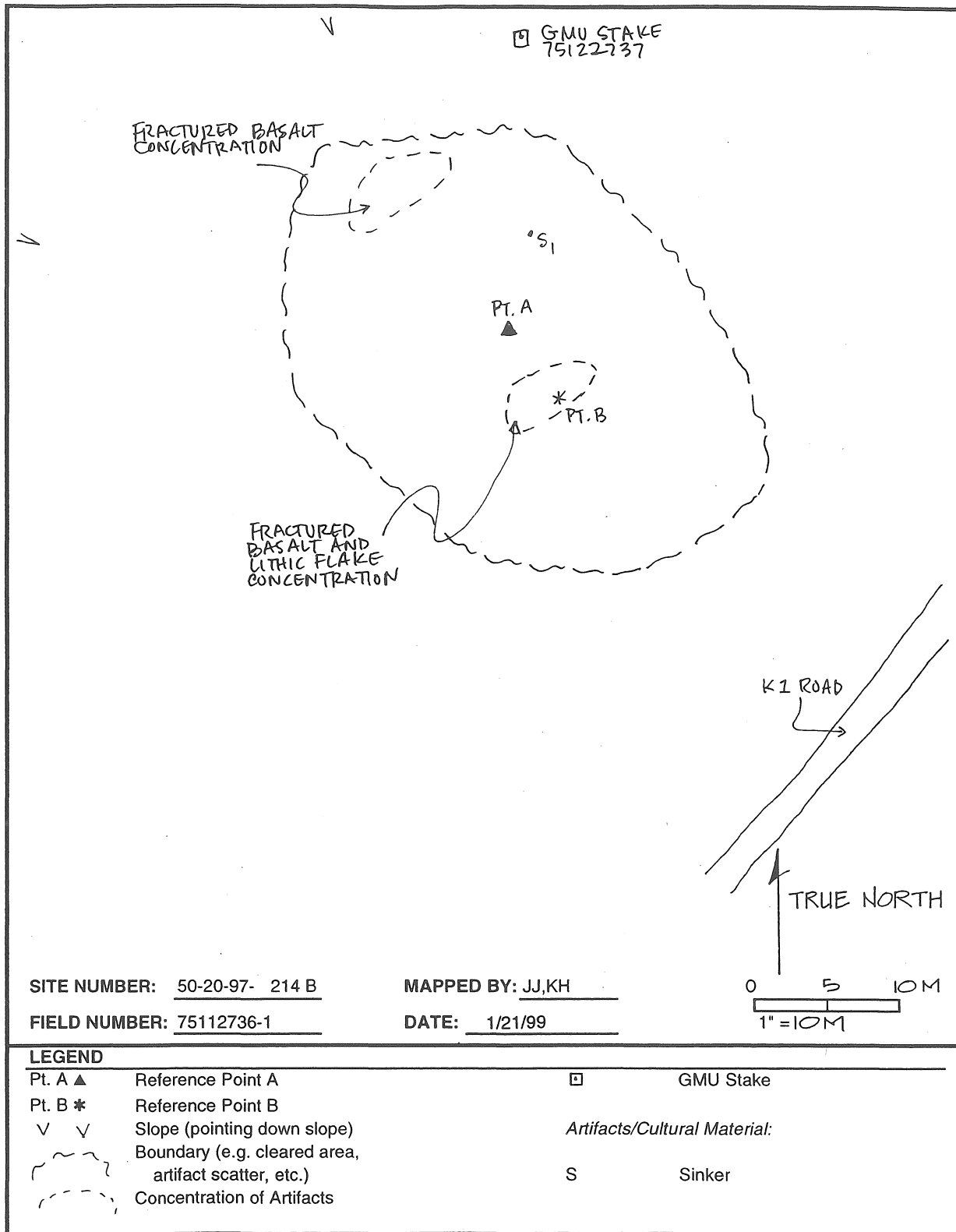


Figure B-107. Site 214, Feature B, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-214	<b>FIELD NO.:</b> 75102737-2
<b>FEATURE:</b> C	<b>GMU:</b> 75102737
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 42 m (L) x 22 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 924 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 214 consists of a medium-density scatter of cultural materials listed in the NRHP Nomination Form description, but is the western end of the scatter surrounding the hummock that was originally recorded as Feature C (Figure B-108). One basalt core was recorded at this feature. The surrounding vegetation consists of *kiawe* and lantana along the eastern and northern edges of the feature and grass covered remnant soil patches along the western and southern side of the feature. A gully runs parallel to the feature approximately 50 m from the western boundary. There is a fairly large hummock bordering the eastern edge of the feature.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-214	<b>FIELD NO.:</b> 75102737-1
<b>FEATURE:</b> D	<b>GMU:</b> 75102736
<b>STATUS:</b> New	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 30 m (L) x 38 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1140 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 214 consists of a medium-density scatter of fractured basalt, one basalt core (recorded), lithic debitage (mostly large primary and secondary flakes) and marine shell midden (one large *Cypraea* and *Thaididae spp.* fragments). A series of shallow gullies run through the site east to west, and hummocks line the western boundary. Vegetation in the area consists of *kiawe*, lantana, buffel grass, natal redtop, *uhaloa*, and one fleabane tree. A small, low hummock sits at the center of the site. This activity area is situated on a denuded slope adjacent to an erosional outwash (Figure B-109).



Figure B-108. Site 214, Feature C, Plan Map

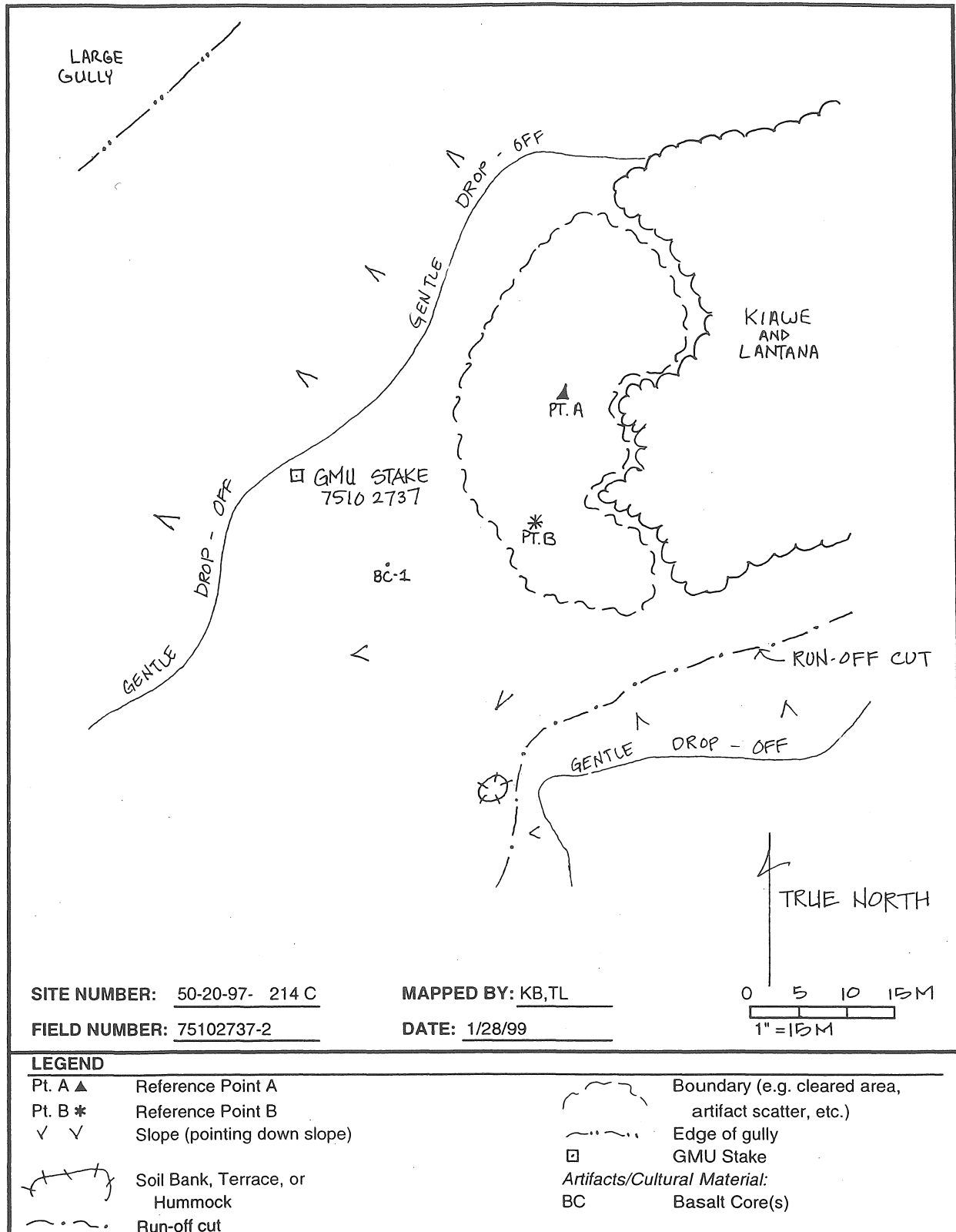
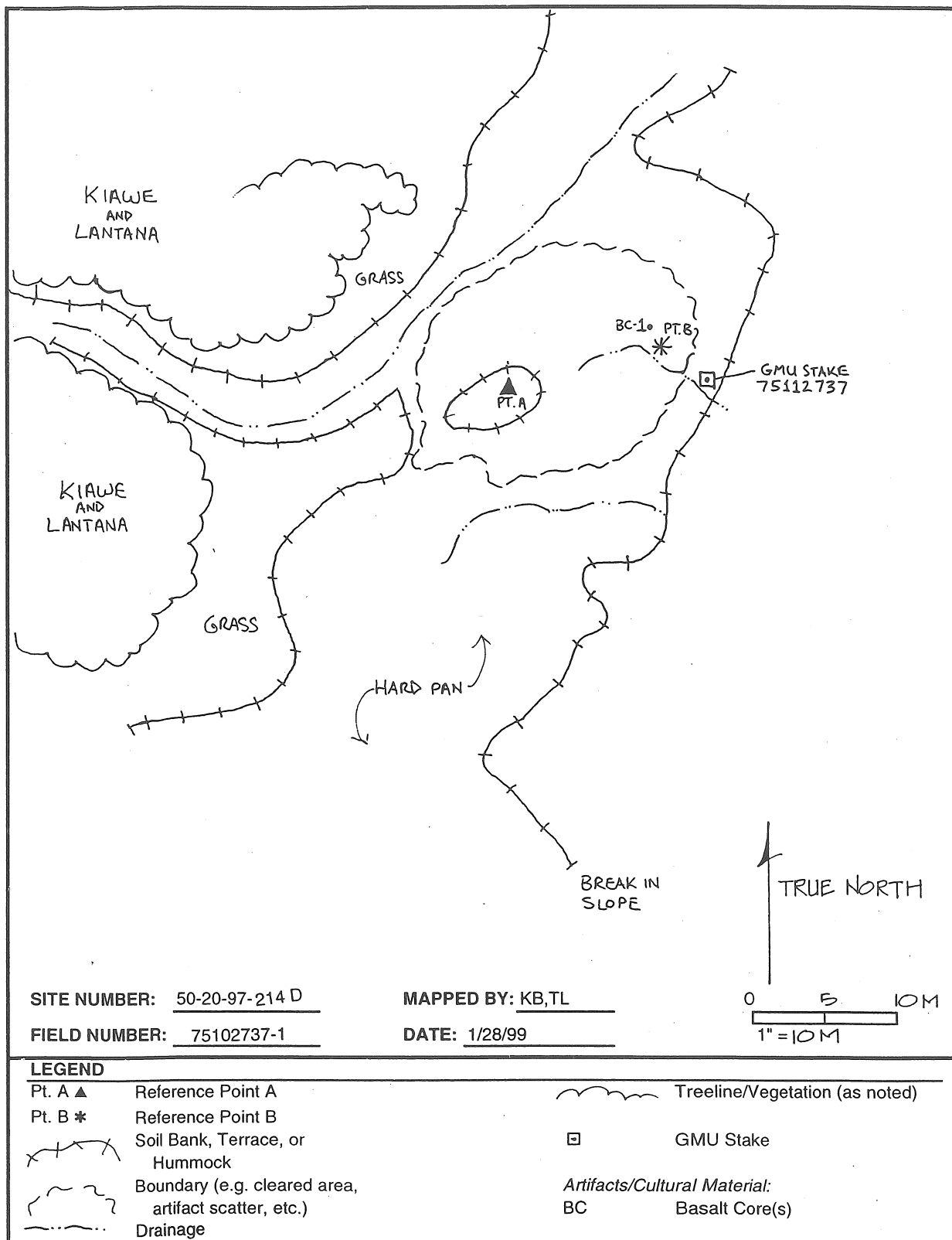


Figure B-109. Site 214, Feature D, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-248	<b>FIELD NO.:</b> 75122735-1
<b>FEATURE:</b> A	<b>GMU:</b> 75122735
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 22 m (L) x 18 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 396 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Site 248 is a complex of two activity area features located in the upland rift zone between Pu'umo'iwi and Moa'ulanui. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-5b). The site sits at an elevation of approximately 355 m and is within Hommon's Inland Settlement Zone (1980:48). Both features of the site were reidentified within the K-1 Road work area with the use of the photogrammetric maps provided by the Navy.

#### Feature A Description

This site consists of a high- to low-density scatter of cultural materials listed in the NRHP form description, including one basalt awl that was recorded. Materials are densely concentrated at the center portion of the site, then decrease rapidly toward the periphery. The site is on denuded hardpan with two small clumps of Australian saltbush on the surface. The site is located between K-1 Road and the edge of Kanaloa gulch (Figure B-110). What was originally recorded on the NRHP form as volcanic glass flakes may have been basalt flakes weathered with a dark patina, as no volcanic glass flakes were observed.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-248	<b>FIELD NO.:</b> 75122735-2
<b>FEATURE:</b> B	<b>GMU:</b> 75122735
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 22 m (L) x 20 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 440 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Flakes, Marine Midden	

#### Site Description

This feature consists of a low- to high-density scatter of cultural materials listed in the NRHP Nomination Form description. Materials are densely concentrated in the central area of the site, decreasing quickly toward the perimeter. Materials are visible on the denuded hardpan that comprises about 90% of the feature surface area; the remainder consists of grass and Australian saltbush growing on small patches of shallow soils (Figure B-111).

Figure B-110. Site 248, Feature A, Plan Map

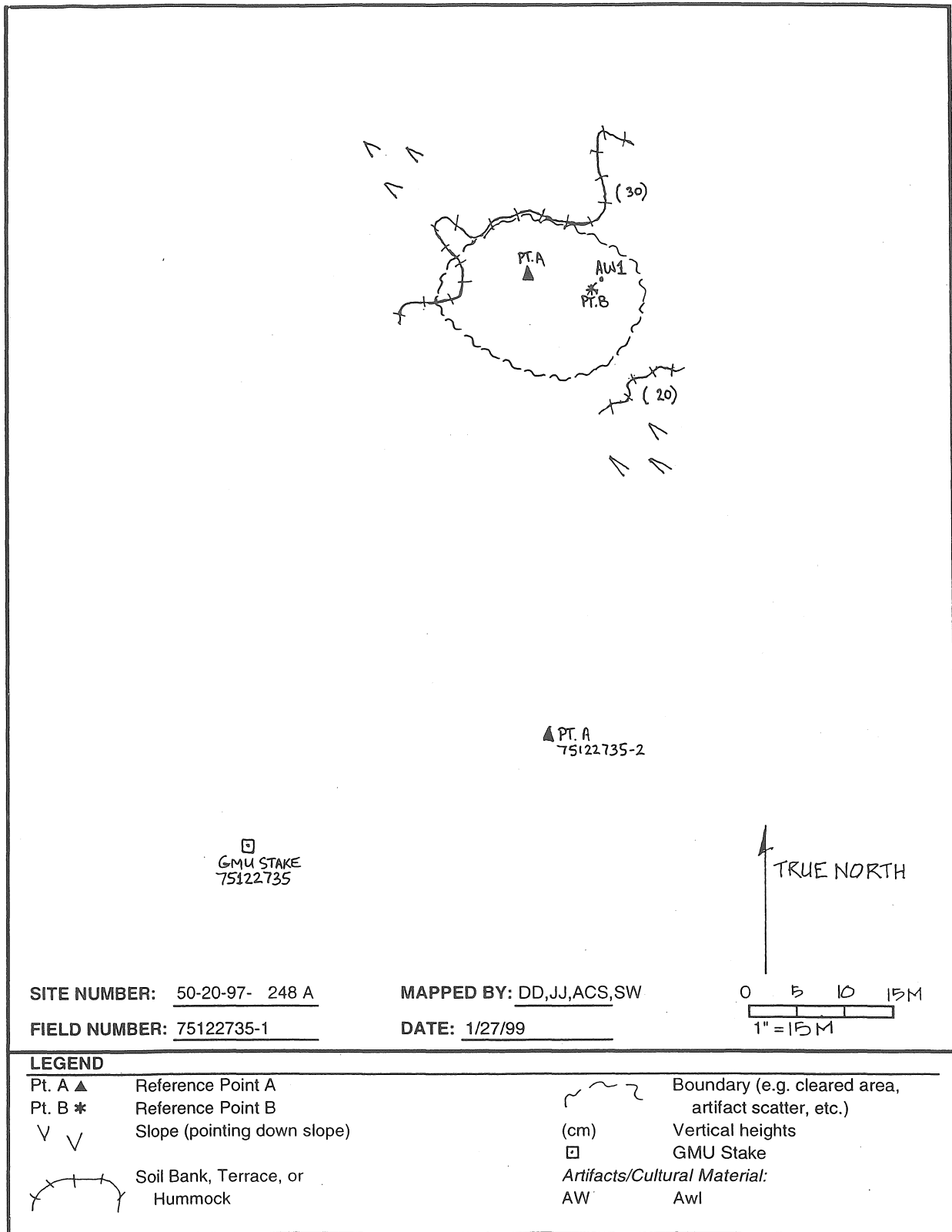
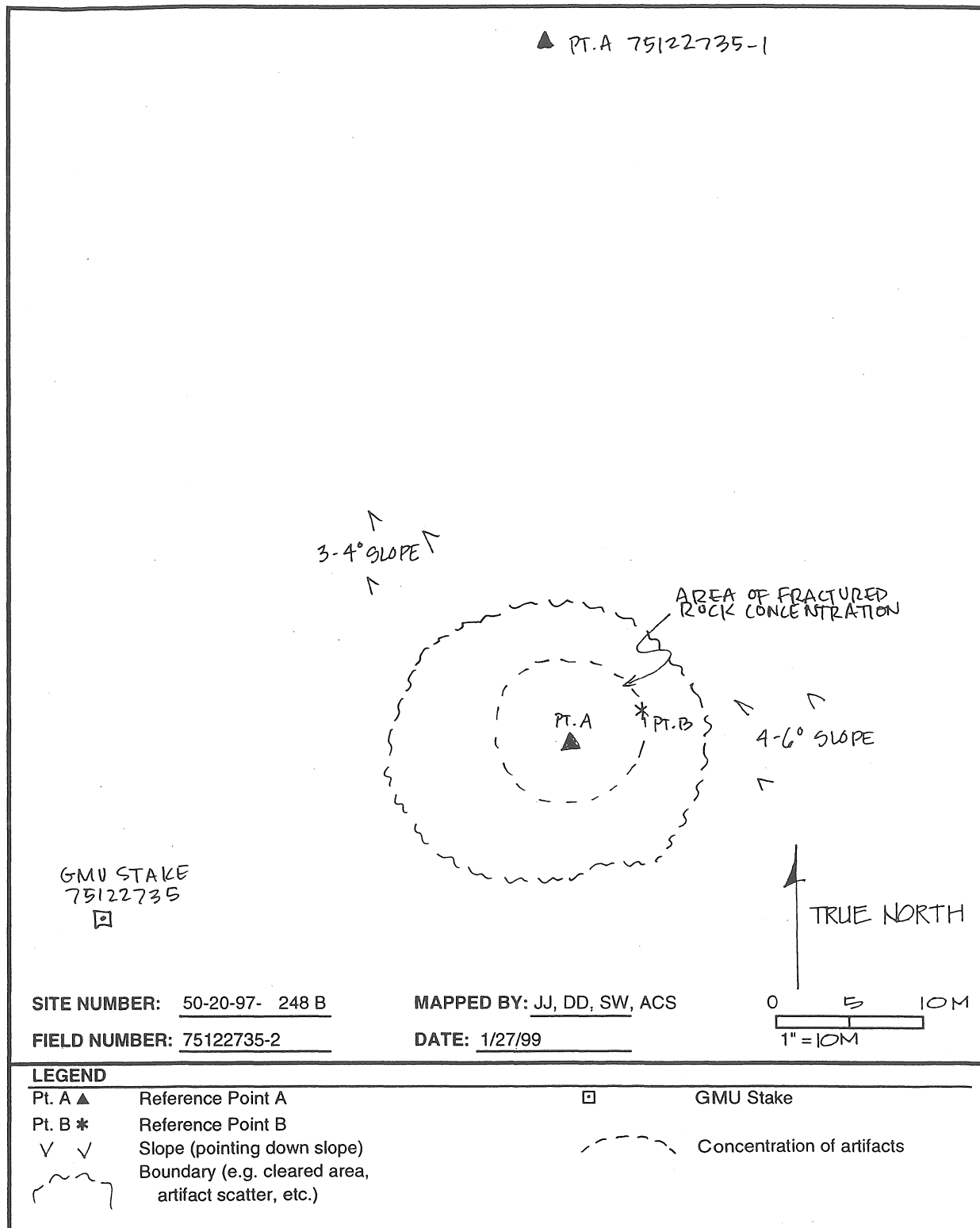


Figure B-111. Site 248, Feature B, Plan Map



**SITE NUMBER (SIHP):** 265  
**FEATURE:** None  
**STATUS:** Previously Recorded  
**SETTING:** Coastal  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Indeterminate  
**MATERIAL CHARACTERISTICS:**  
Marine Midden

**FIELD NO.:** 74192699-1  
**GMU:** 74192699  
**WORK AREA:** Base Camp  
**CULTURAL MATERIAL QUANTITY:** < 10 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 50 m (L) x 47 m (W)  
**SITE AREA:** Approx. 2350 sq. m

#### Site Description

Site 265 was positively reidentified by the labeled cement site marker located on the southwest end of the site (Figure 3-1). The vegetation density appears to have changed since the original survey. The site is now completely overgrown with grass and *kiawe*. Because of the dense vegetation, the extent of the midden deposit mentioned in the NRHP Nomination form description could not be verified. The basalt outcrop that abuts the site has been extensively shelled, as determined by the amount of ordnance debris within the site boundaries. This appears to have created a sloping pile of rubble extending into the site (Figure B-112). This activity may be a major contributor to site degradation. Cultural materials observed in clear patches near and on top of the outcrop consist of head coral, *Thaididae*, *Cellana* and *Conus* spp. fragments.

**SITE NUMBER (SIHP):** 266  
**FEATURE:** None  
**STATUS:** Previously Recorded  
**SETTING:** Coastal  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Enclosure  
**SITE FUNCTION:** Indeterminate  
**MATERIAL CHARACTERISTICS:**  
Marine Midden

**FIELD NO.:** 74182700-1  
**GMU:** 74182700  
**WORK AREA:** Base Camp  
**CULTURAL MATERIAL QUANTITY:** < 10 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 28 m (L) x 15 m (W)  
**SITE AREA:** Approx. 420 sq. m

#### Site Description

Site 266 is completely overgrown with buffel grass and *kiawe*, making accurate determination of cultural material density and extent difficult. This site was positively reidentified by relocating the cement marker and fence boundaries (Figure 3-1).

The NRHP Nomination form describes the site as a midden scatter (marine shell midden) located *makai* of a bedrock knoll. A. Sinoto (1996) revisited the site and recorded a "modified outcrop enclosed platform" at the crest of this knoll. Fieldwork observations during this project suggest that the feature recorded on the knoll crest must have deteriorated significantly since being mapped by Sinoto (1996). Only a very rough outline of a rectangular enclosure is now visible, and the wall remnants are tumbled and nearly flush with the surrounding knoll (Figure B-113). The *makai* portions of this knoll no longer appear to have the midden remains listed by the NRHP description. Only a few shells were found around the crest of the knoll. Throughout the site, only four fragments of unidentified shell, one "Diamond Head" aluminum soda can, and exploded ordnance fragments were visible.

Figure B-112. Site 265, Plan Map

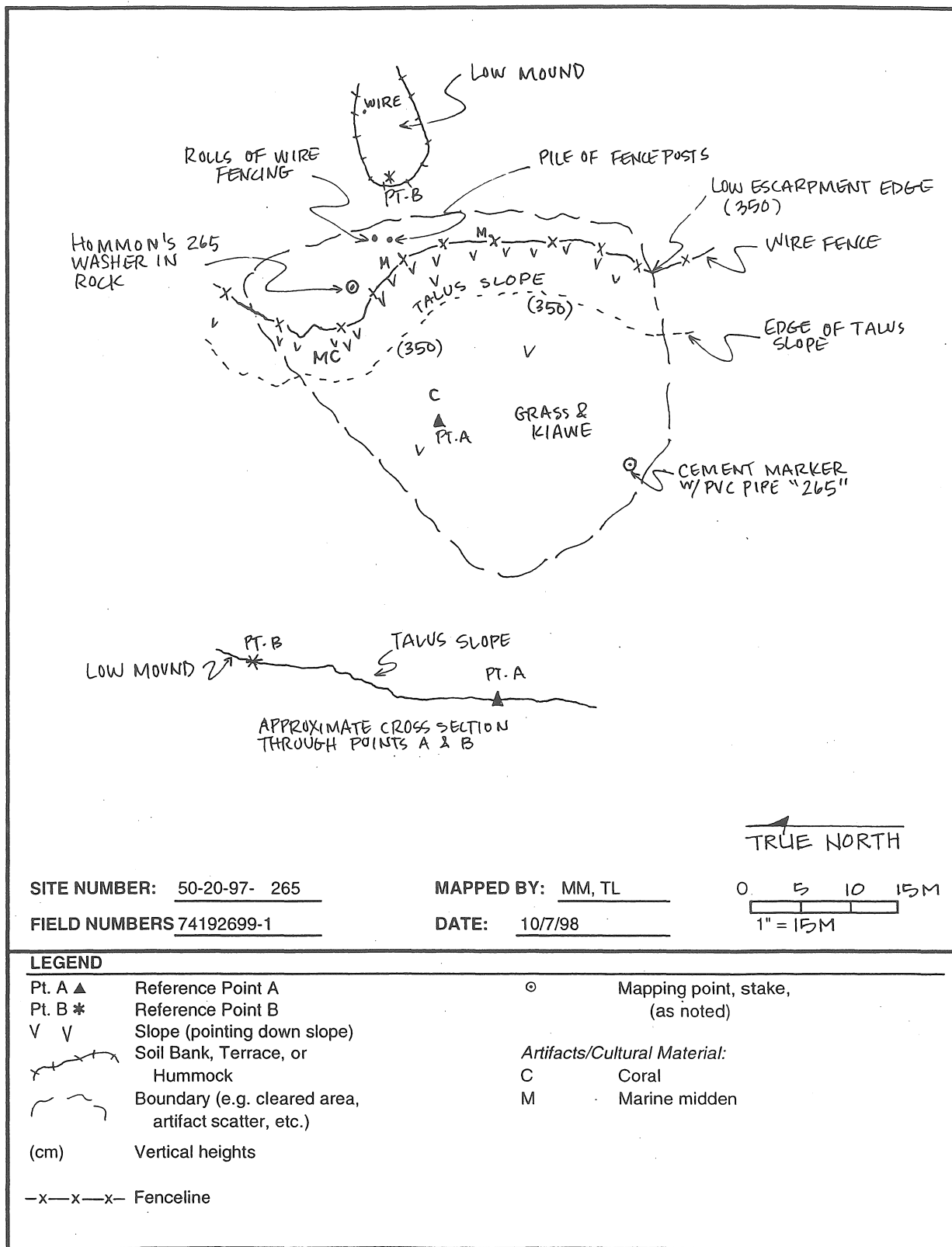
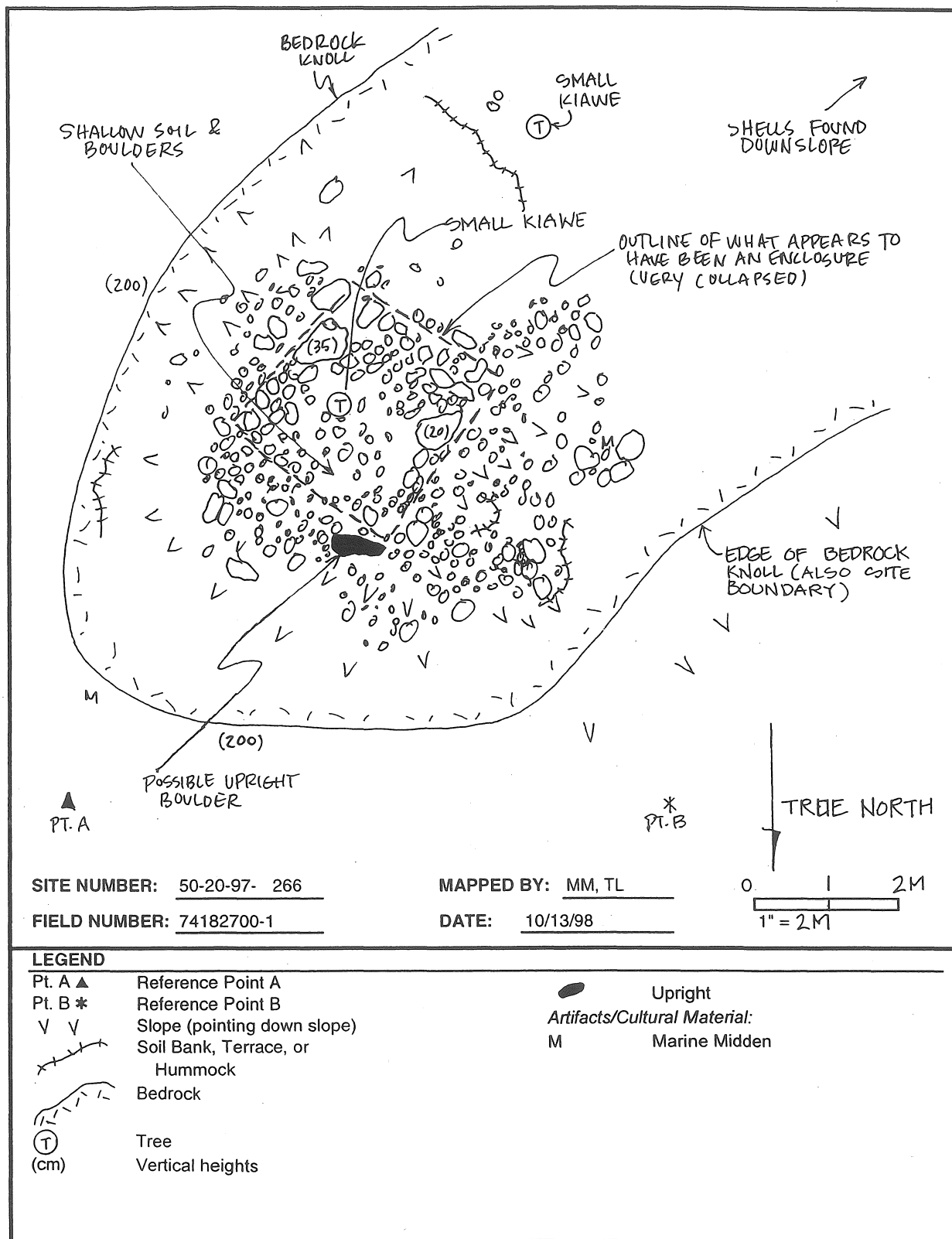


Figure B-113. Site 266, Plan Map





<b>SITE NUMBER (SIHP):</b> 50-20-97-267	<b>FIELD NO.:</b> 74152702-2
<b>FEATURE:</b> A and B	<b>GMU:</b> 74152702
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Base Camp
<b>SETTING:</b> Coastal	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Enclosure	<b>SITE DIMENSIONS:</b> 25 m (L) x 20 m (W)
<b>SITE FUNCTION:</b> Indeterminate	<b>SITE AREA:</b> Approx. 500 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Marine Midden	

#### Site Description

Site 267 consists of a circular piled stone enclosure and a low-density marine shell midden scatter located on a promontory overlooking the sea just north-west of base camp. The site is situated on top of a low cliff approximately 4 m. above sea level. Vegetation consists of dense *kiawe* and buffel grass (Figure 3-1).

**Feature A**, originally recorded as an eroding midden deposits, is believed no longer extant. The few pieces of midden observed along the low cliff edge may be the only remains, although some of these opihi shells look too fresh to be archaeological. They may be modern.

**Feature B** consists of a low mounded wall, circular enclosure that appears collapsed. It is constructed on a slight slope (down to north). The walls are 1.5 to 2.0 m thick and two to three courses high (max. 50 cm). The interior wall heights are generally one course (15-40 cm high). The small interior area consists of soil and tumbled boulders from the surrounding wall (Figure B-114). During this project, as was noted by A. Sinoto (1996), Feature B appeared more like an enclosure than as the "terrace" described on the NRHP Nomination form. The feature was probably described as a terrace because it is constructed on a slope and does create a break in the slope. Because of the lack of portable remains on the surface and the unusual size and shape of the feature, its function is undetermined.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-268	<b>FIELD NO.:</b> 74152702-1
<b>FEATURE:</b> A	<b>GMU:</b> 74152702
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Base Camp
<b>SETTING:</b> Coastal	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> C Shape	<b>SITE DIMENSIONS:</b> 4.3 m (L) x 2.5 m (W) x 0.8 m (H)
<b>SITE FUNCTION:</b> Habitation, Activity Area	<b>SITE AREA:</b> Approx. 10.75 sq. m
<b>MATERIAL CHARACTERISTICS:</b> None	

#### Site Description

Site 268 is comprised of two C-shape enclosures and a terrace located near the coast, just *mauka* of Rocky Road, northwest of base camp (Figure 3-1). Based on the descriptions on the NRHP Nomination forms, it appears that this site has changed little since its original identification. All three features are located along the same bedrock ridge, and the area around the features consists of boulder fields beneath a cover of *kiawe* and buffel grass.

#### Feature A Description

Feature A is a C-shaped wall that juts out from the bedrock outcrop and is the northernmost feature of Site 268 (Figure B-115). The wall is constructed of the locally available boulders stacked 3 to 4 courses high (approximately 80 cm). The interior of the wall is faced. The interior of feature A consists of boulder and cobble rubble and grass. No portable remains were observed in or around Feature A.

Figure B-114. Site 267, Feature B, Plan Map

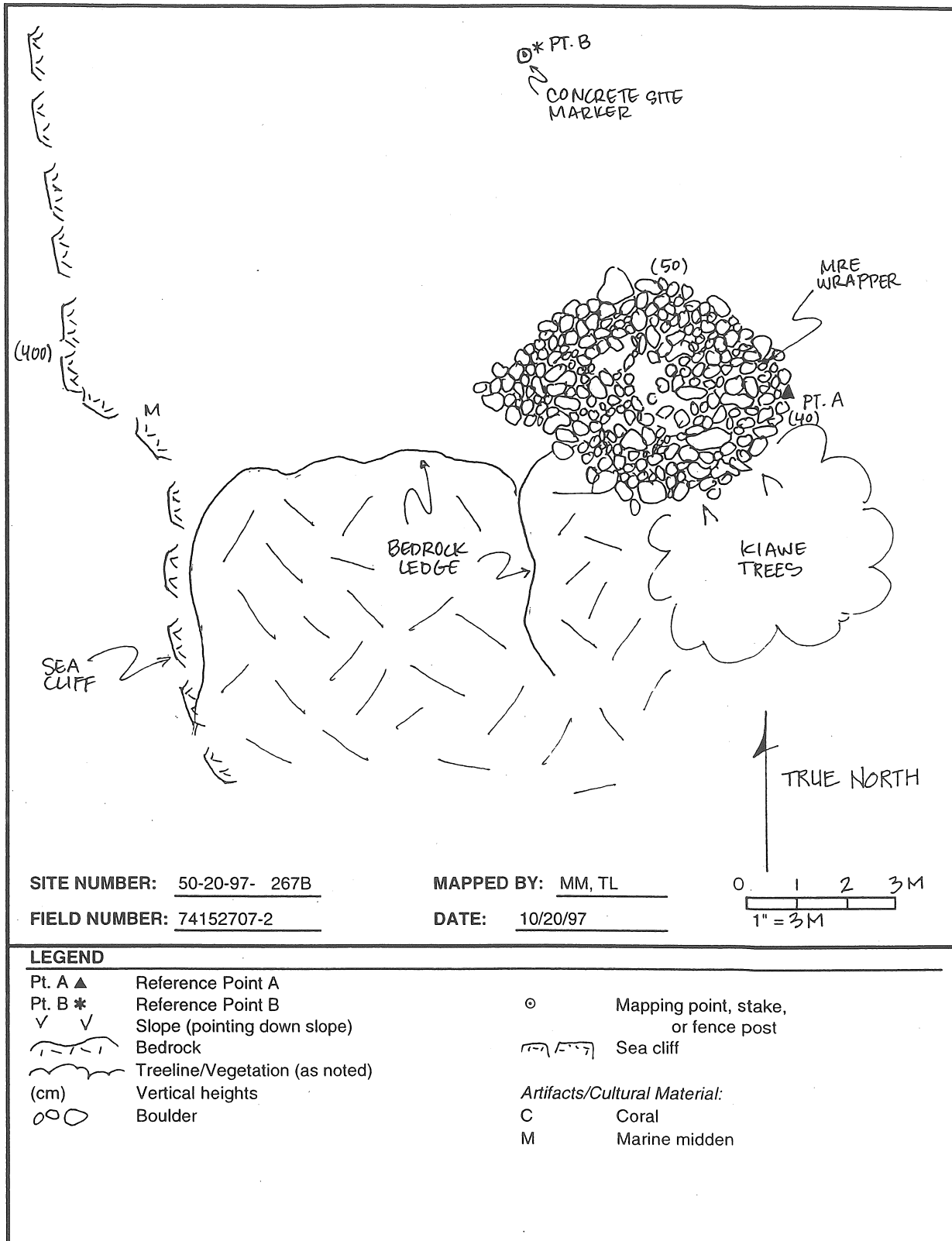
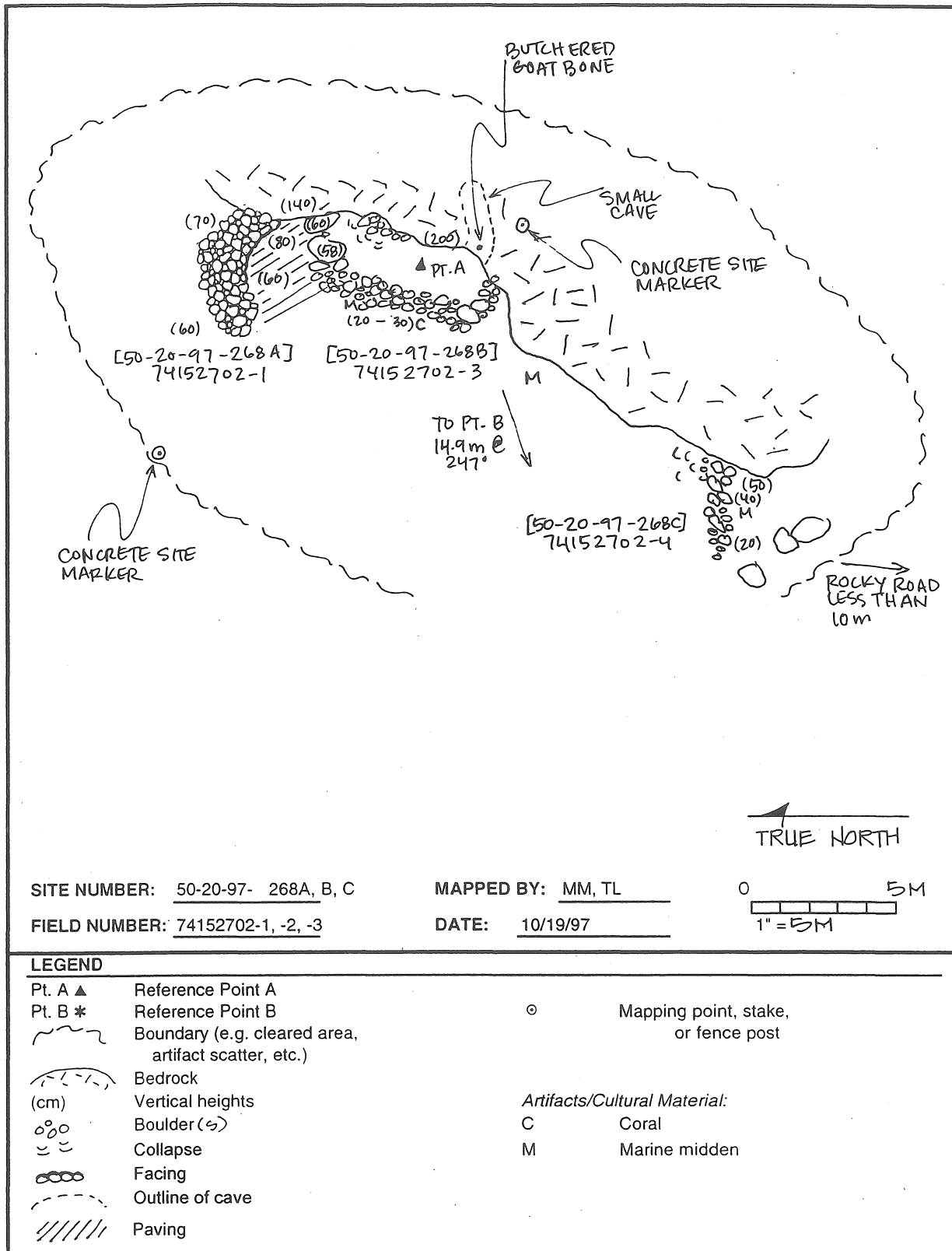


Figure B-115. Site 268, Features A, B, and C, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-268	<b>FIELD NO.:</b> 74152702-3
<b>FEATURE:</b> B	<b>GMU:</b> 74152702
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Base Camp
<b>SETTING:</b> Coastal	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Terrace (H)	<b>SITE DIMENSIONS:</b> 4.5 m (L) x 1.5 m (W) x 0.3 m
<b>SITE FUNCTION:</b> Habitation, Activity Area	<b>SITE AREA:</b> Approx. 6.75 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Marine Midden	

#### Site Description

Feature B, located just south of Feature A, consists of a rough alignment of boulders that forms a terrace below the bedrock outcrops (Figure B-115). The interior area of the terrace measures approximately 1.5 m by 4.5 m and is level soil with scattered boulders that have clearly tumbled down from the bedrock ridge above. The terrace is roughly 25 to 30 cm high. A few fragments of marine midden were observed just west of the terrace. At the southern end of the terrace is a small cave that extends back into the bedrock outcrop. It measures 2.6 m by 80 cm by approximately 1.4 m. The skeleton of a young goat was found in the shallow cave. Long bones with machine-cut ends indicate modern butchering.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-268	<b>FIELD NO.:</b> 74152702-4
<b>FEATURE:</b> C	<b>GMU:</b> 74152702
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Base Camp
<b>SETTING:</b> Coastal	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> C Shape (H)	<b>SITE DIMENSIONS:</b> 3.4 m (L) x 1.0 m (W) x 0.4 m
<b>SITE FUNCTION:</b> Habitation, Activity Area	<b>SITE AREA:</b> Approx. 5320 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Marine Midden	

#### Site Description

Feature C is similar to feature A in that it consists of a roughly C-shape boulder wall extending out from the bedrock ridge to form an enclosure. The wall is constructed of basalt boulders loosely piled 1 to 2 courses (max. 40 cm) high. The interior consists of soil mixed with scattered boulders. One or two pieces of marine shell midden were observed. Rocky Road is less than 10 m to the southwest of the feature (Figure B-115).

**SITE NUMBER (SIHP):** 270  
**FEATURE:** None  
**STATUS:** Previously Recorded  
**SETTING:** Coastal  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Platform  
**SITE FUNCTION:** Ceremonial  
**MATERIAL CHARACTERISTICS:**  
Marine Midden

**FIELD NO.:** 74142703-1  
**GMU:** 74142703  
**WORK AREA:** Base Camp  
**CULTURAL MATERIAL QUANTITY:** < 10 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 30 m (L) x 25 m (W)  
**SITE AREA:** Approx. 750 sq. m

#### Site Description

This site, a probable *ko'a*, was described by McAllister (1933:55) as: "...roughly circular-shaped. The unusual significant feature is a large boulder with a natural cavity...area before this stone is paved with waterworn basalt and coral and edged with crudely built curbing." The NRHP description further states that the platform (area before the stone) is of multiple-stacked stone and coral construction. During the most recent visit by Sinoto, six probable *ahu* with six fallen uprights were found incorporated into the "crudely built curbing" (low enclosing wall). The site remains in good condition, though some collapse has occurred on the low enclosing wall, and fallen uprights have shifted since the Sinoto visit (1996). No midden was observed on the surface surrounding the site. Waterworn cobbles, head coral, and shell midden (*Cellana spp.*) was observed in the cavity of the boulder (Figure B-116 and Figure B-117).

**SITE NUMBER (SIHP):** 50-20-97-281  
**FEATURE:** None  
**STATUS:** Previously Recorded  
**SETTING:** Intermediate  
**PROBABLE AGE:** Historic  
**SITE TYPE:** Cairn  
**SITE FUNCTION:** Marker  
**MATERIAL CHARACTERISTICS:**  
None

**FIELD NO.:** 74392706-1  
**GMU:** 74392706  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** < 10 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 7.1 m (L) x 6.4 m (W)  
**SITE AREA:** Approx. 45.44 sq. m

#### Site Description

Site 281 consists of a stone cairn as described on the NRHP Nomination form (Figure 3-4). The cairn is constructed of vesicular basalt cobbles (average 50-70 cm). One large cobble in the center of the cairn is more weathered with a smooth surface. The south side of the cairn is three courses high, while the north side is collapsed. The cairn is on the western edge of a relatively flat basalt outcrop. No artifacts or shell midden were noted around the cairn (Figure B-118). This feature is interpreted to be a modern military site due to its similarity to the military features observed in the Base Camp and Seagull area. It is determined not to be historic property.

Figure B-116. Site 270, Plan Map

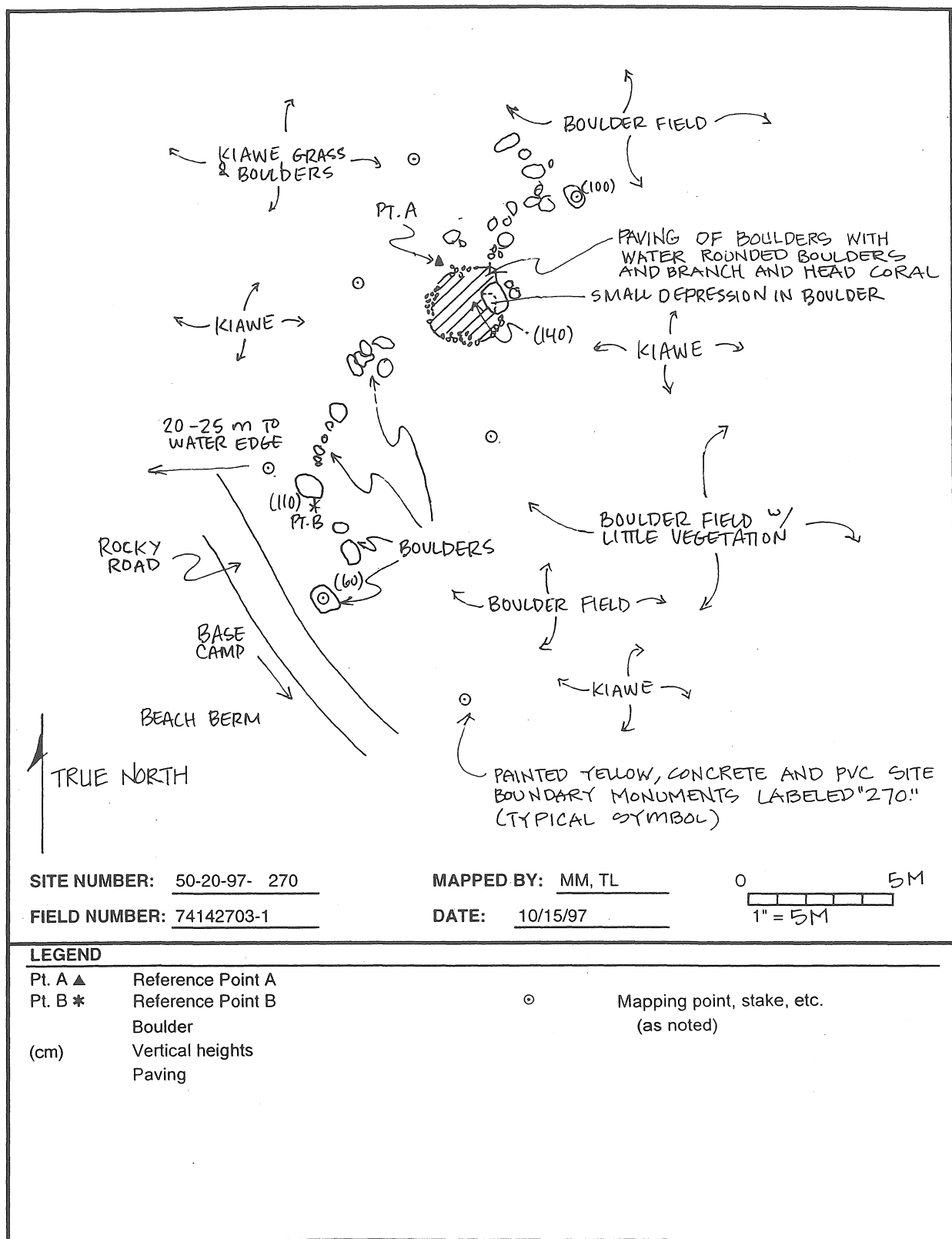


Figure B-117. Site 270, Plan Map Showing Architectural Detail

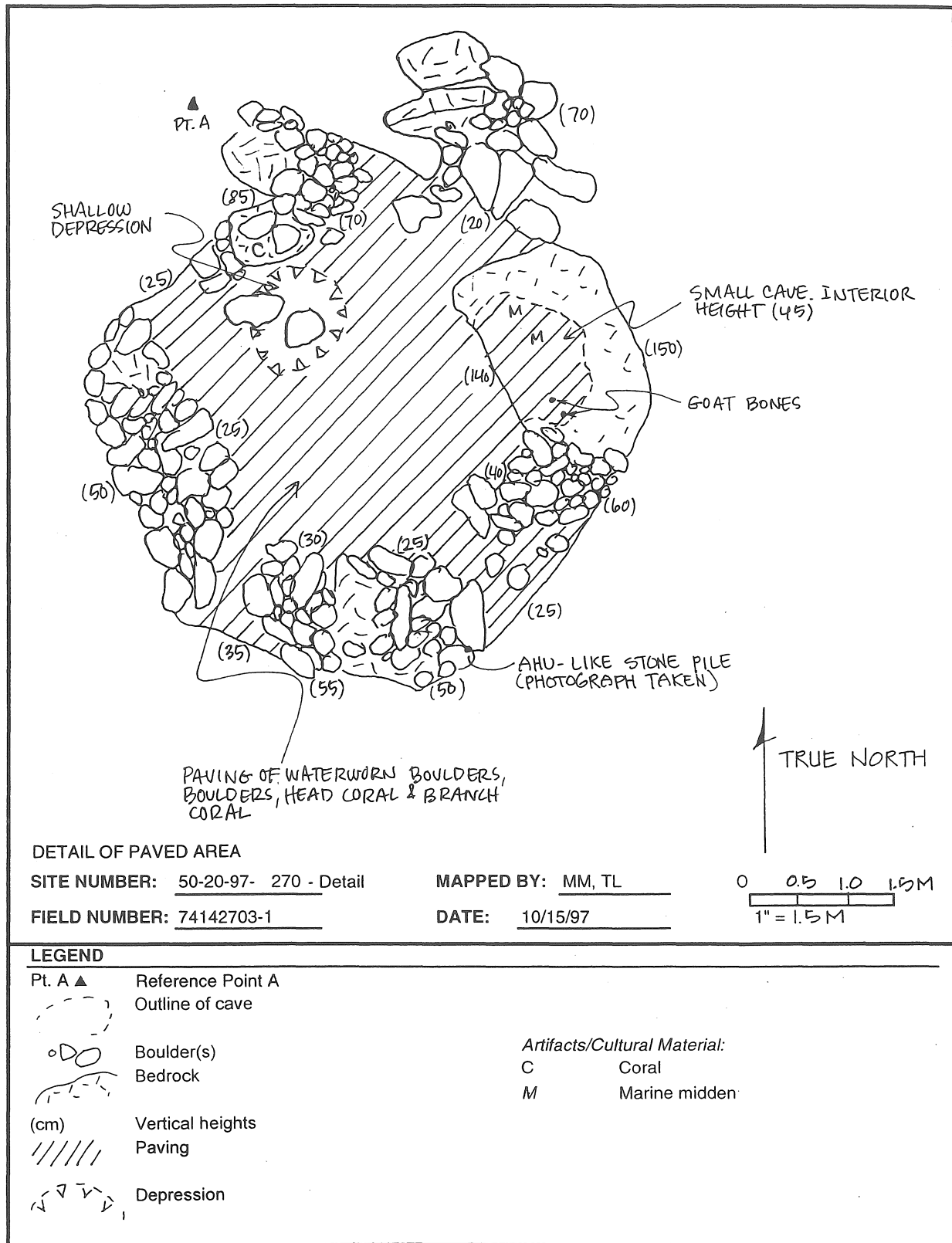
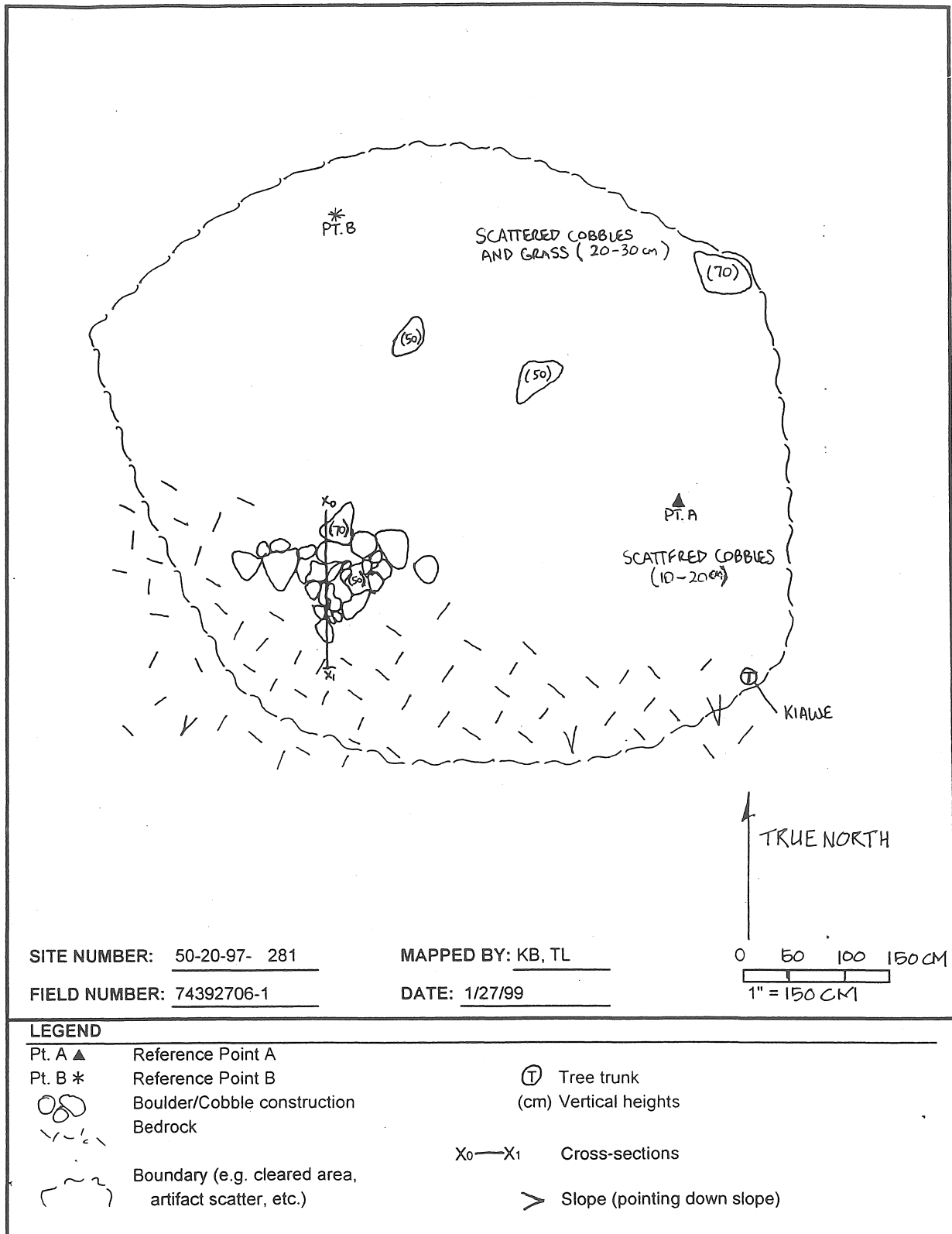


Figure B-118. Site 281, Plan Map





**SITE NUMBER (SIHP):** 50-20-97-381  
**FEATURE:** None  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Abrader, Fractured Basalt, Polished Flakes from Finished Adzes, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75332749-1  
**GMU:** 75332749  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 134 m (L) x 141 m (W)  
**SITE AREA:** Approx. 18894 sq. m

#### Site Description

Site 381 consists of a medium-density scatter of cultural materials, as described in the NRHP description, with the addition of many of the recorded artifacts. Artifacts recorded at this feature include four adz preform/rejects, two hammerstones, two abraders (one coral and one basalt), and three miscellaneous artifacts. The average density of the artifact scatter is medium, though there are several areas where there are high-density concentrations of volcanic glass flakes. This site also has two sling stones, not previously recorded, and several small, very smooth, waterworn cobbles (Figure B-119). There are also many coral fragments spread throughout the site. The site is situated on the southern slope of Moa'ulanui crater, just outside the rim (Figure 3-7). This site is situated on a denuded hillside with very little vegetation, though there are small remnant hummocks (some only 1.0 sq. m.) with grass and *koa haole* trees.

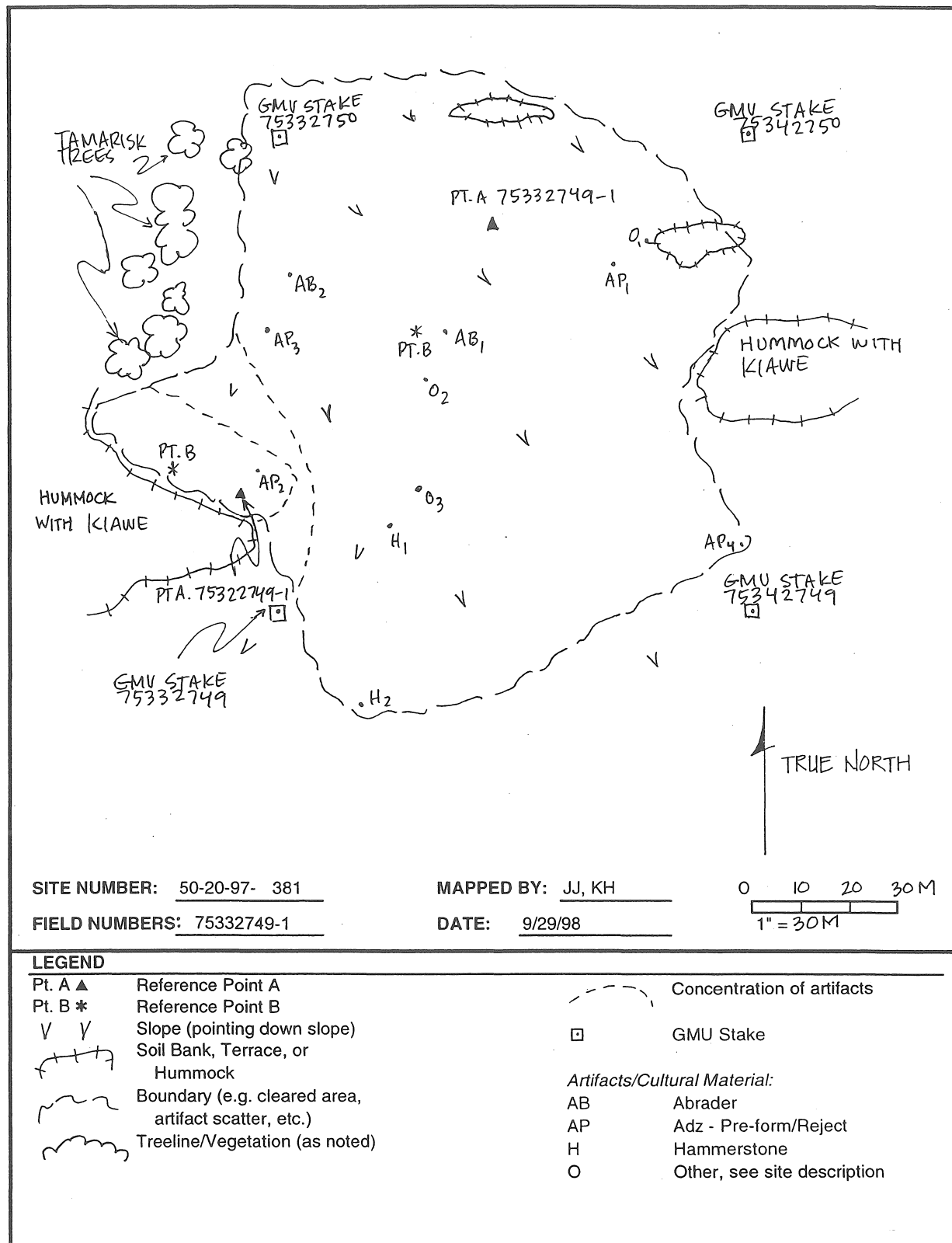
**SITE NUMBER (SIHP):** 50-20-97-382  
**FEATURE:** None  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Crater  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Flakes, Marine Midden

**FIELD NO.:** 75322750-2  
**GMU:** 75322750  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 103 m (L) x 41 m (W)  
**SITE AREA:** Approx. 4223 sq. m

#### Site Description

This site consists of a generally medium- to low-density scatter of fractured basalt, manufacturing debris flakes of volcanic glass and fine-grained basalt, marine shell fragments, one recorded adz preform/reject, and coral fragments. The site is situated on the southwestern rim of Moa'ulanui crater where there is very thick grass growing on remnant intact soils (Figure 3-7; Figure B-120).

Figure B-119. Site 381, Plan Map

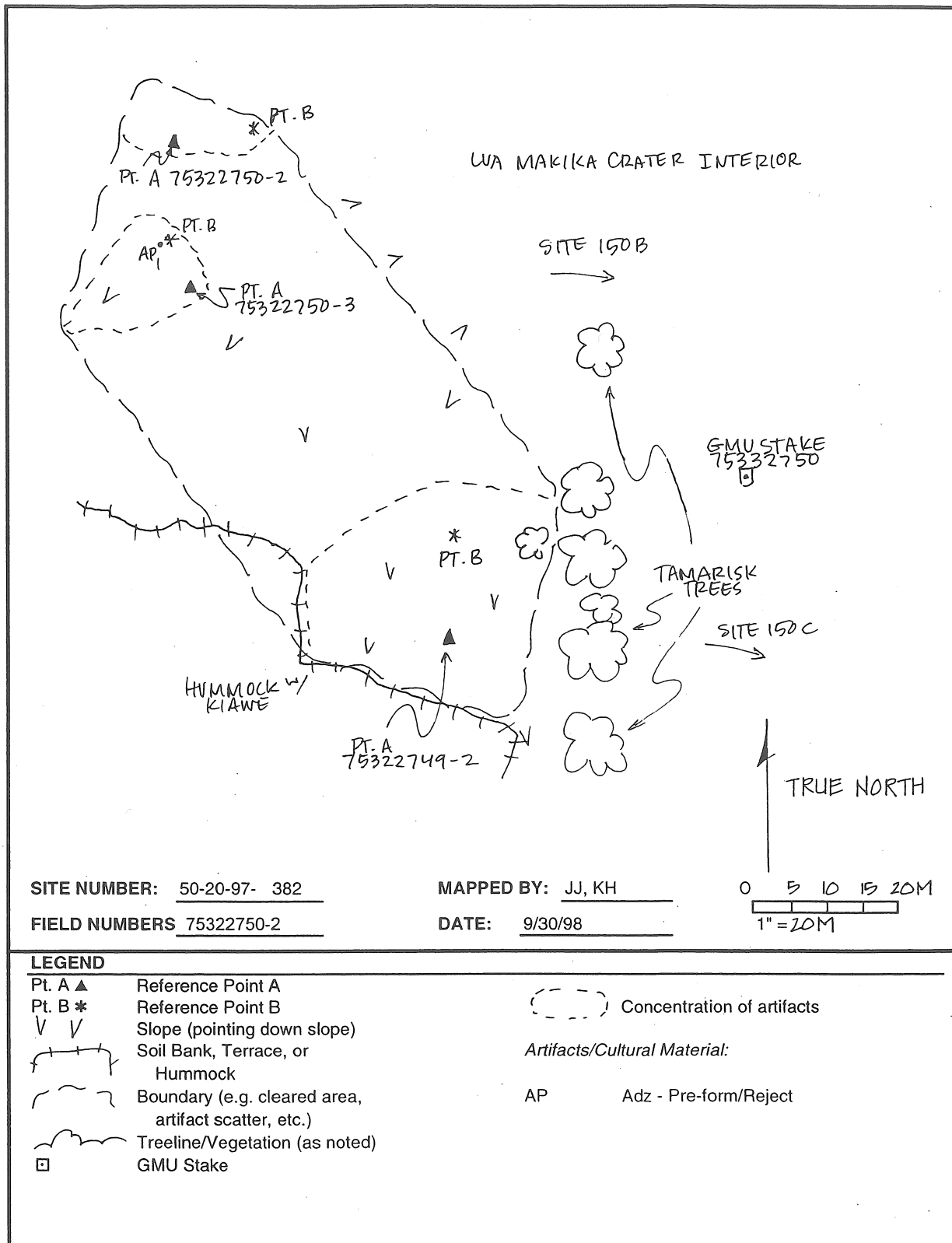


SITE NUMBER: 50-20-97- 381  
FIELD NUMBERS: 75332749-1

MAPPED BY: JJ, KH  
DATE: 9/29/98

0 10 20 30 M  
1" = 30M

Figure B-120. Site 382, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-385	<b>FIELD NO.:</b> 75242753-1
<b>FEATURE:</b> A	<b>GMU:</b> 75242753
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 67 m (L) x 37 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 2479 sq. m

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Site 385 is a complex consisting of 27 activity area features located on the eastern slope of Moa'ulanui, and approximately 700 m southeast of Moaulaiki. Most of the site is situated in a mostly denuded area interspersed with a few eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7). The site sits at an elevation of approximately 415 m and is within Hommon's Inland Settlement Zone (1980:48). Features A through F, O, and P of the site were reidentified within the K-1 Road work area with the use of the photogrammetric maps provided by the Navy. The reidentified constituent features (A through F, O, and P) are discussed below.

**Feature A Description**

This site consists of a high- to low-density scatter of cultural materials listed in the NRHP description, including the chipped stone scraper that was specifically mentioned. Artifacts recorded at this feature include two adz preform/rejects, one scoria abrader, three basalt awls, and one miscellaneous artifact (Figure B-121). Materials are visible on the eroded hardpan and lateritic soil surface. The aeolian soils are loose and have some depth, as the basalt scraper-awl was about 70% buried. The terrain in the area is undulating and barren of vegetation. The feature is located near (northwest) a helicopter landing pad, LZ-1. It is situated south of and adjacent to a relatively deep intermittent drainage.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-385	<b>FIELD NO.:</b> 75232752-1
<b>FEATURE:</b> B	<b>GMU:</b> 75232752
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 48 m (L) x 21 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1008 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 385 consists of a low-density scatter of cultural materials listed in the NRHP description with the addition of a few coral fragments, one basalt core (recorded), and a few fragments of marine shell (*Cypraea*, *Thaididae*, and *Conus spp.*) Cultural materials are visible on the eroded surface consisting of loose aeolian-deposited soils and saprolitic igneous rock. The feature area is devoid of vegetation (Figure B-122).

Figure B-121. Site 385, Feature A, Plan Map

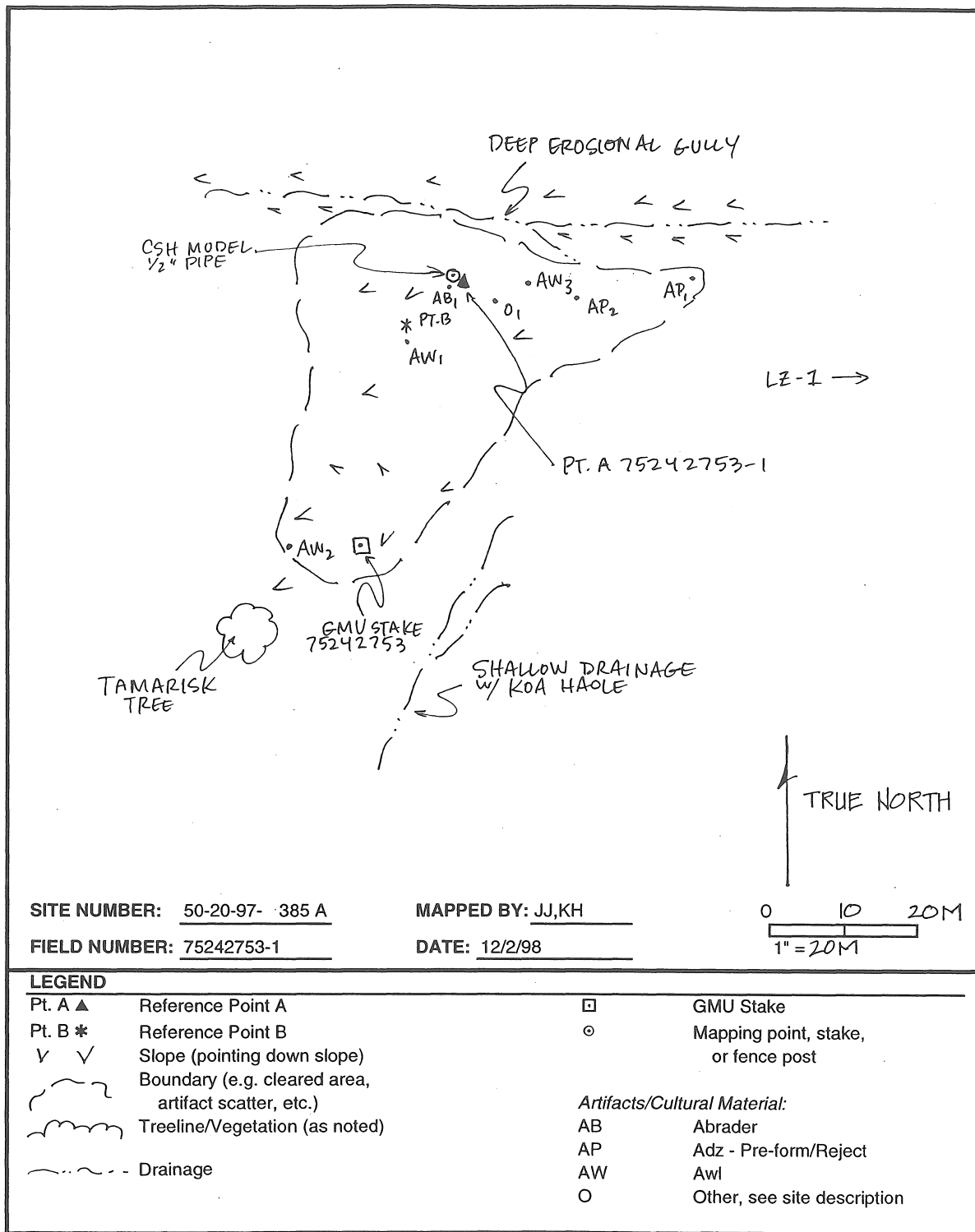
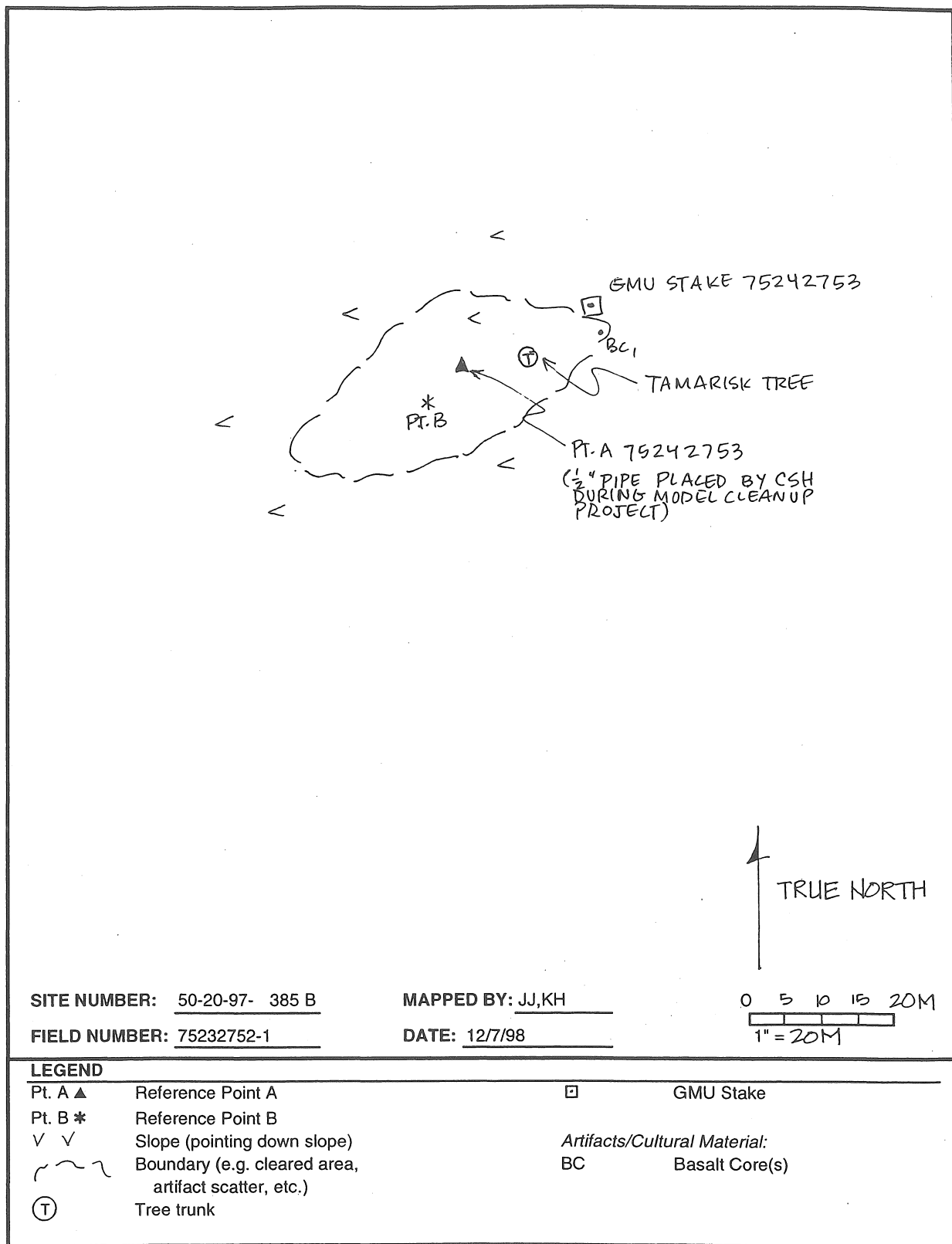


Figure B-122. Site 385, Feature B, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-385

**FEATURE:** C

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75242752-1

**GMU:** 75242752

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 45 m (L) x 43 m (W)

**SITE AREA:** Approx. 1935 sq. m

**Site Description**

Feature C of Site 385 consists of a low-density scatter of cultural materials listed in the NRHP description, with the exception of the adz blank that was not relocated. Artifacts recorded include two basalt awls and two hammerstones (Figure B-123). Cultural materials are visible on the hardpan surface and are scattered around a hummock. Approximately 60% of the ground surface is covered with dense vegetation (mostly grass, lantana, and *koa haole*) growing on shallow soils. The bones of a goat were observed in the exposed edge of the northeast side of the hummock. They are approximately 70 cm below the hummock surface and about 10 cm above the hardpan surface.

**SITE NUMBER (SIHP):** 50-20-97-385

**FEATURE:** D

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75242752-4

**GMU:** 75242752

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 26 m (L) x 9 m (W)

**SITE AREA:** Approx. 234 sq. m

**Site Description**

This feature of Site 385 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of a flaked basalt scraper, and one fragment of a *Cellana spp.* shell. There is one large fragment of a large unidentified invertebrate species, possibly a helmet (*Cassis spp.*). Cultural materials are visible on the eroded hardpan surface between patches of grass-covered shallow soils, which comprise about 50% of the site's ground surface area (Figure B-124).

**SITE NUMBER (SIHP):** 50-20-97-385

**FEATURE:** E

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Polished Flakes from Finished Adzes, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75242753-2

**GMU:** 75242753

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 25 m (L) x 7 m (W)

**SITE AREA:** Approx. 175 sq. m

**Site Description**

Feature E of Site 385 consists of a low-density scatter of cultural materials listed in the NRHP description, except the adz blanks and finished adzes were not relocated. One flake from a finished adz was discovered, and one basalt awl and one basalt core were recorded (Figure B-125). The site is situated on a narrow strip of high ground between two erosive gullies. The ground surface at the feature consists of eroded hardpan and loose aeolian soils. There is a patch of vegetation to the north of the site boundary, but it is full of old tires.

Figure B-123. Site 385, Feature C, Plan Map

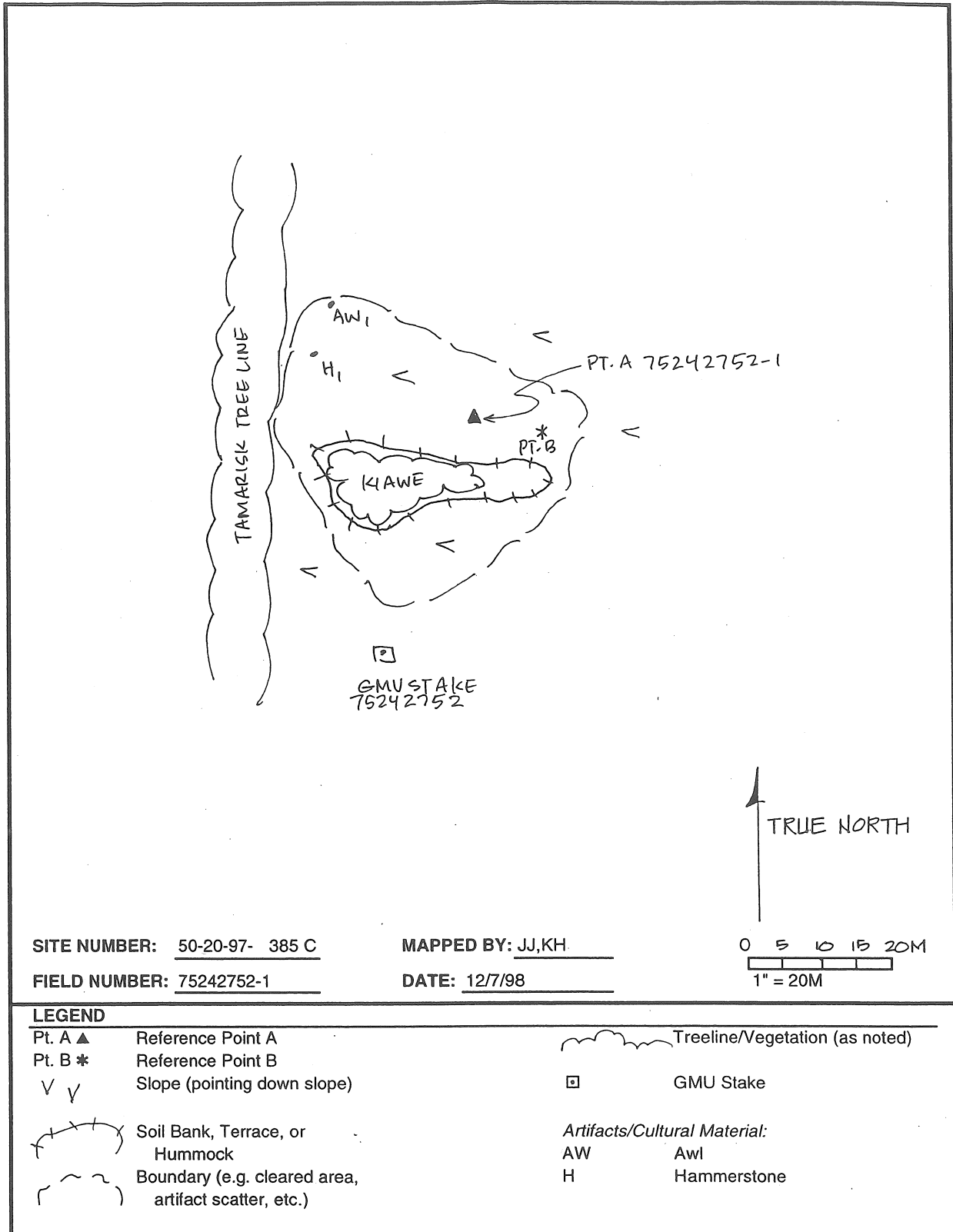




Figure B-124. Site 385, Feature D, Plan Map

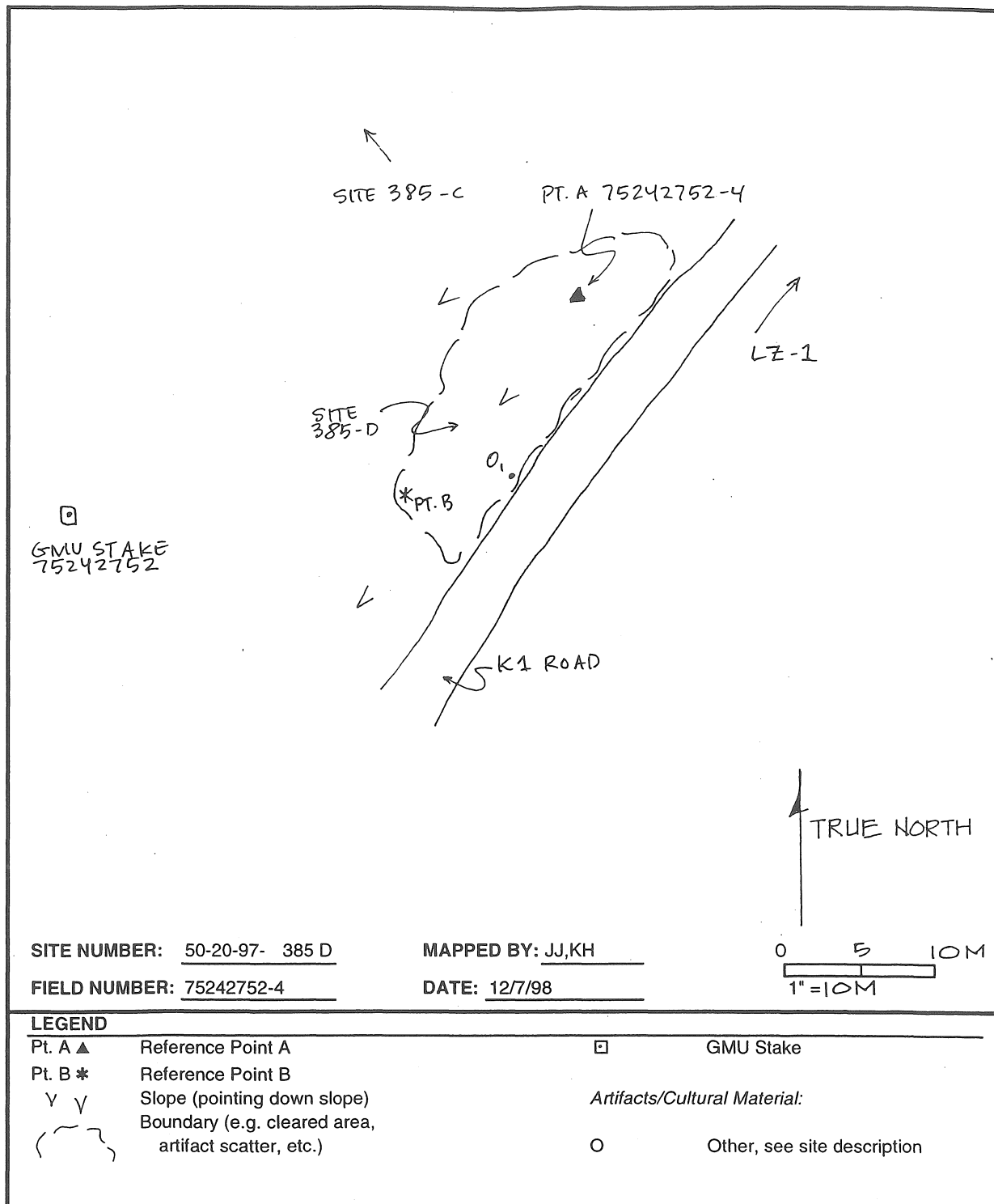
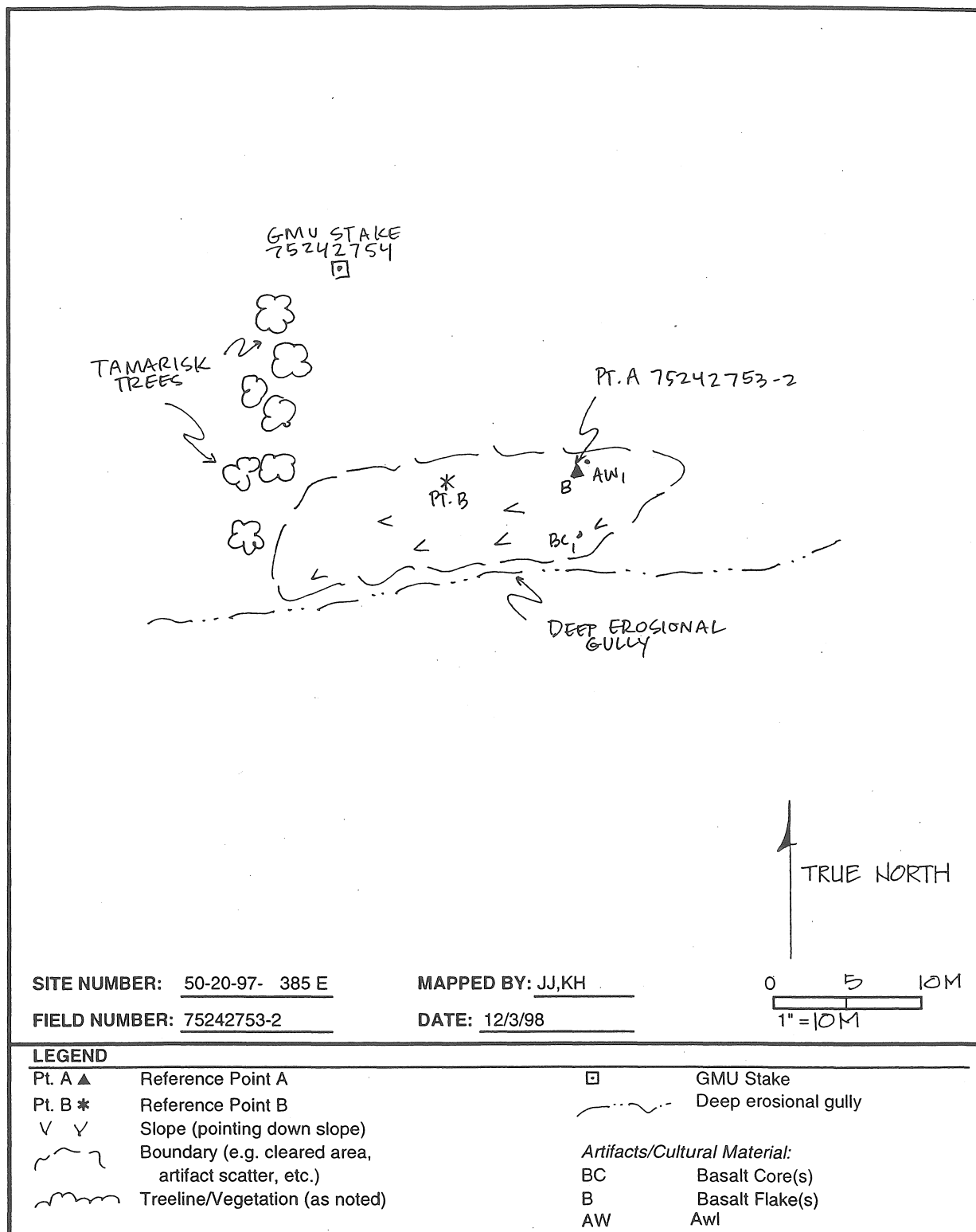


Figure B-125. Site 385, Feature E, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-385	<b>FIELD NO.:</b> 75242754-1
<b>FEATURE:</b> F	<b>GMU:</b> 75242754
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 49 m (L) x 33 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1617 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 385 consists of a low- to high-density scatter of cultural materials listed in the NRHP description. Artifacts recorded at this feature include three adz preform/rejects, one hammerstone, three basalt cores, two basalt awls, one biface, and one miscellaneous artifact (Figure B-126). The ground surface of the feature is approximately 90% devoid of vegetation, on eroded hardpan and loose aeolian-deposited soil. Artifacts are highly concentrated in a few areas of the site and are low-density in the other areas.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-385	<b>FIELD NO.:</b> 75242754-2
<b>FEATURE:</b> O	<b>GMU:</b> 75242754
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 46 m (L) x 23 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1058 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature O of Site 385 consists of a medium- to low-density scatter of mostly fractured basalt, volcanic glass cores, nodules, and flakes, coral fragments (branch and head), basalt flakes, one recorded adz preform/reject, and marine shell midden (Figure B-127). Marine shell species include *Cypraea* and *Cellana spp.* Artifacts are visible on the eroded hardpan and loose aeolian-deposited soil surface, which comprises about 90% of the site surface area. The NRHP Nomination form describes the feature as consisting of fire-cracked rock and a concentration of volcanic glass flakes and cores. Continued erosion may have exposed more materials since the initial site identification.

Figure B-126. Site 385, Feature F, Plan Map

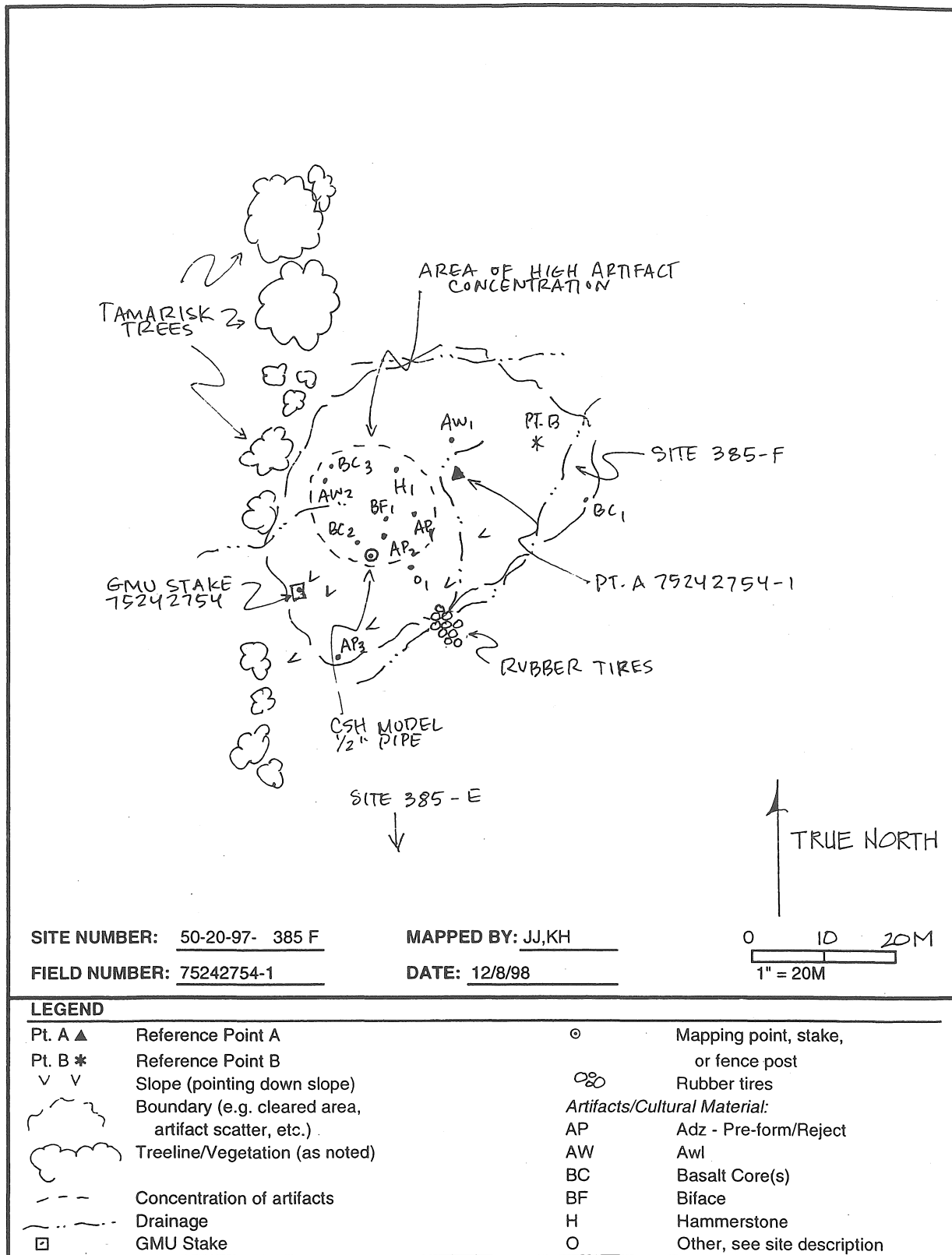
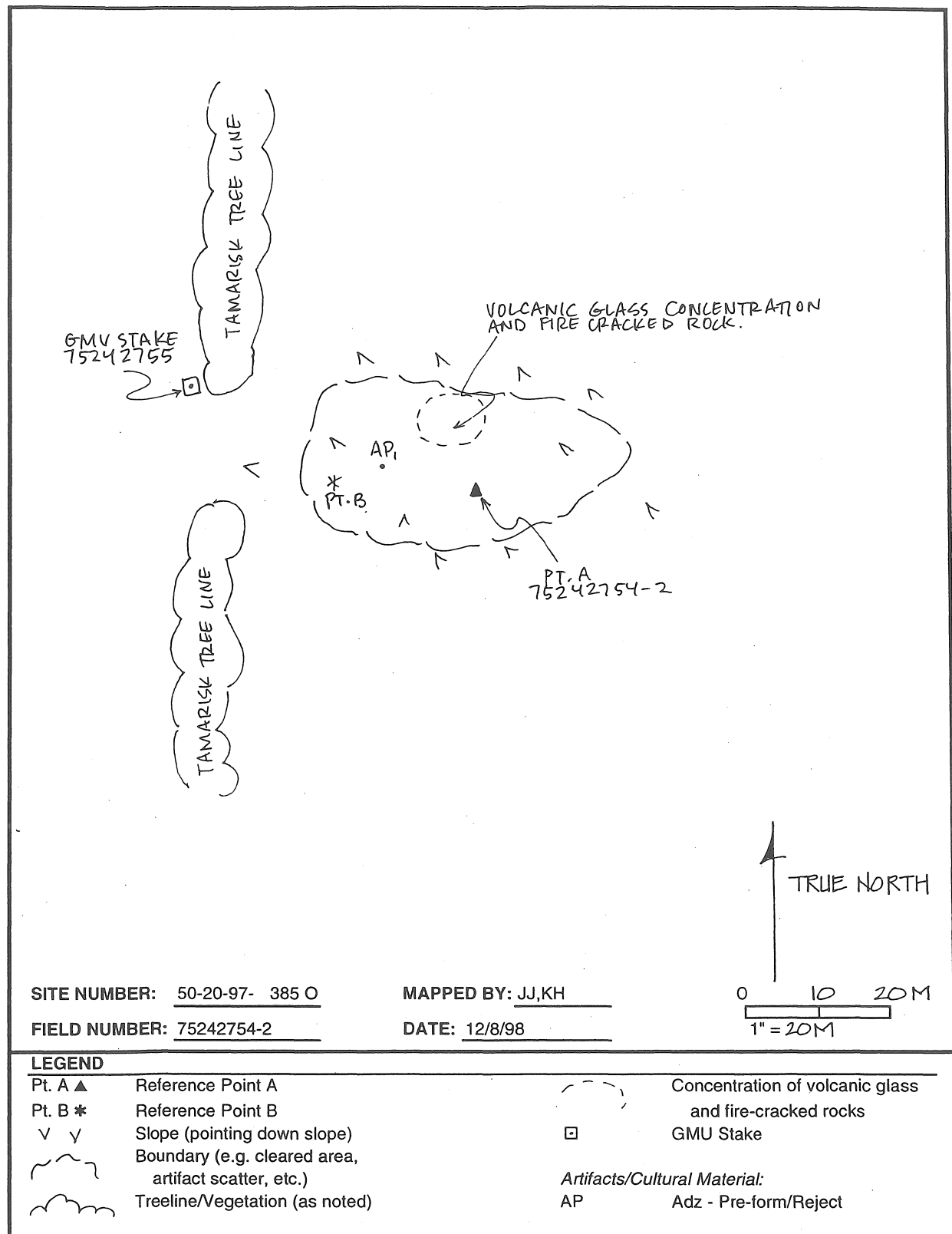


Figure B-127. Site 385, Feature O, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-385	<b>FIELD NO.:</b> 75232753-1
<b>FEATURE:</b> P	<b>GMU:</b> 75232753
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 44 m (L) x 24 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1056 sq. m

**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

#### Site Description

This Feature of Site 385 consists of a low-density scatter of cultural materials listed in the NRHP description. Recorded artifacts include one adz preform/reject, one basalt core, and one biface (Figure B-128). Materials are visible on the completely denuded surface, though there are shallow accumulations of aeolian soils. The site is situated on the southern edge of a narrow and deep erosive gully. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-386	<b>FIELD NO.:</b> 75272755-1
<b>FEATURE:</b> None	<b>GMU:</b> 75272755
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 59 m (L) x 45 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 2655 sq. m

**MATERIAL CHARACTERISTICS:**  
Adz Preforms/Rejects, Basalt Flakes, Marine Midden

#### Site Description

This site as observed and recorded now consists of a low-density scatter of fragmented basalt, basalt flakes, marine shell, coral, and two basalt adz preform rejects (recorded). The southern portion of the site is adjacent to an eroding hummock, but no artifacts were observed because it is covered with grass. The northern portion of the site contains a small hummock from which artifacts are eroding (Figure B-129). Based on its location in relation to K-1 Road and surrounding positively-identified sites, this site most likely consists of the previously recorded features D, E, and A of Site 386 (Figure 3-7). Discrete concentrations of cultural materials that would correspond to separate features A, D, and E could not be discerned. Features B and C appear to have been destroyed by a revegetation nursery operation immediately to the east of the site boundary.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-387	<b>FIELD NO.:</b> 75262756-1
<b>FEATURE:</b> None	<b>GMU:</b> 75262755
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 22.5 m (L) x 10 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 225 sq. m

**MATERIAL CHARACTERISTICS:**  
Basalt Artifacts, Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

#### Site Description

Site 387 consists of a low-density scatter of cultural materials listed in the NRHP description. One basalt biface was recorded. This site is situated on a denuded hillside with very little vegetation, on the northwest slope of Moa`ulanui. There is a hummock 10.5 m to the west-northwest of the western edge of the site, which had no observable cultural deposit (Figure 3-7; Figure B-130).

Figure B-128. Site 385, Feature P, Plan Map

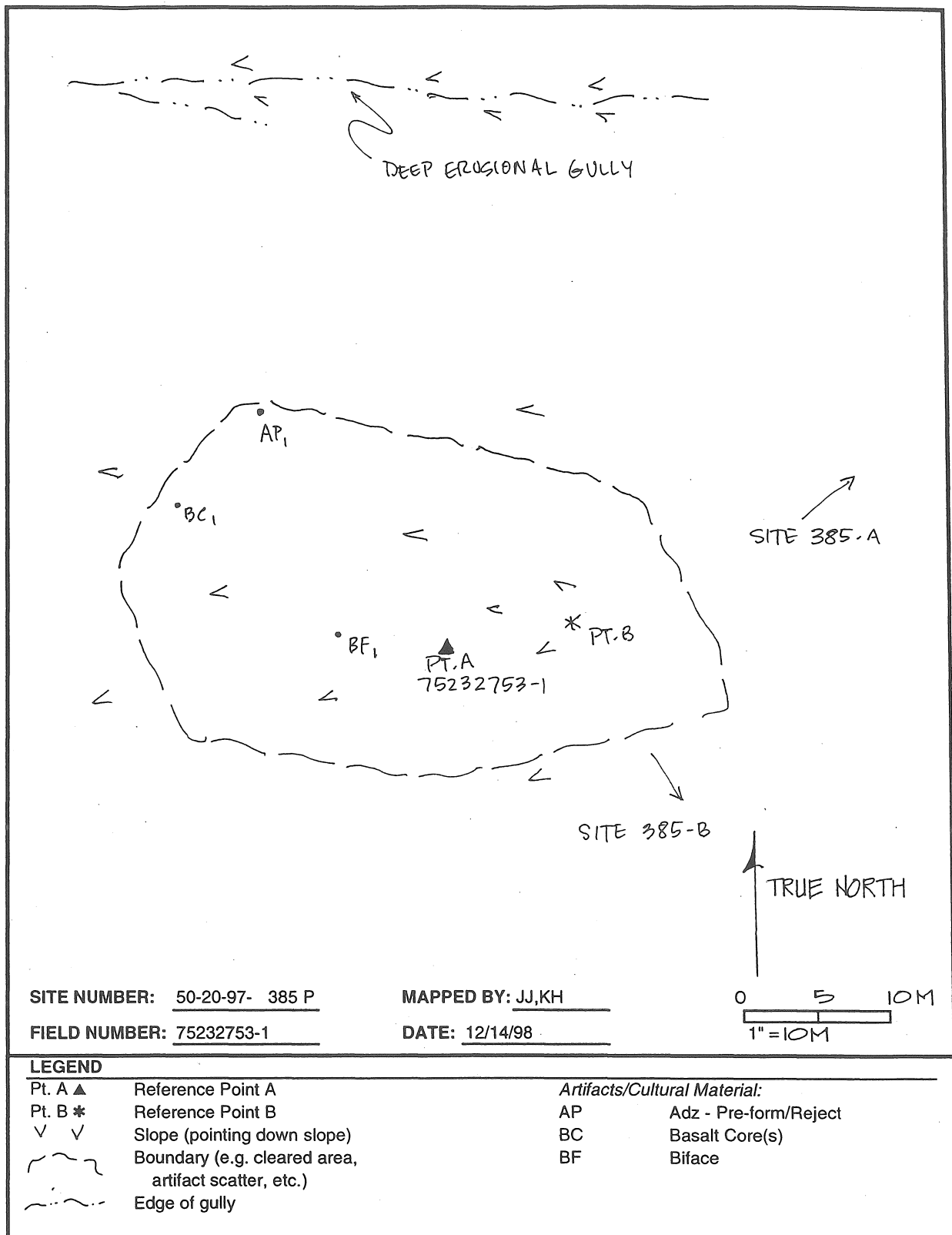


Figure B-129. Site 386, Plan Map

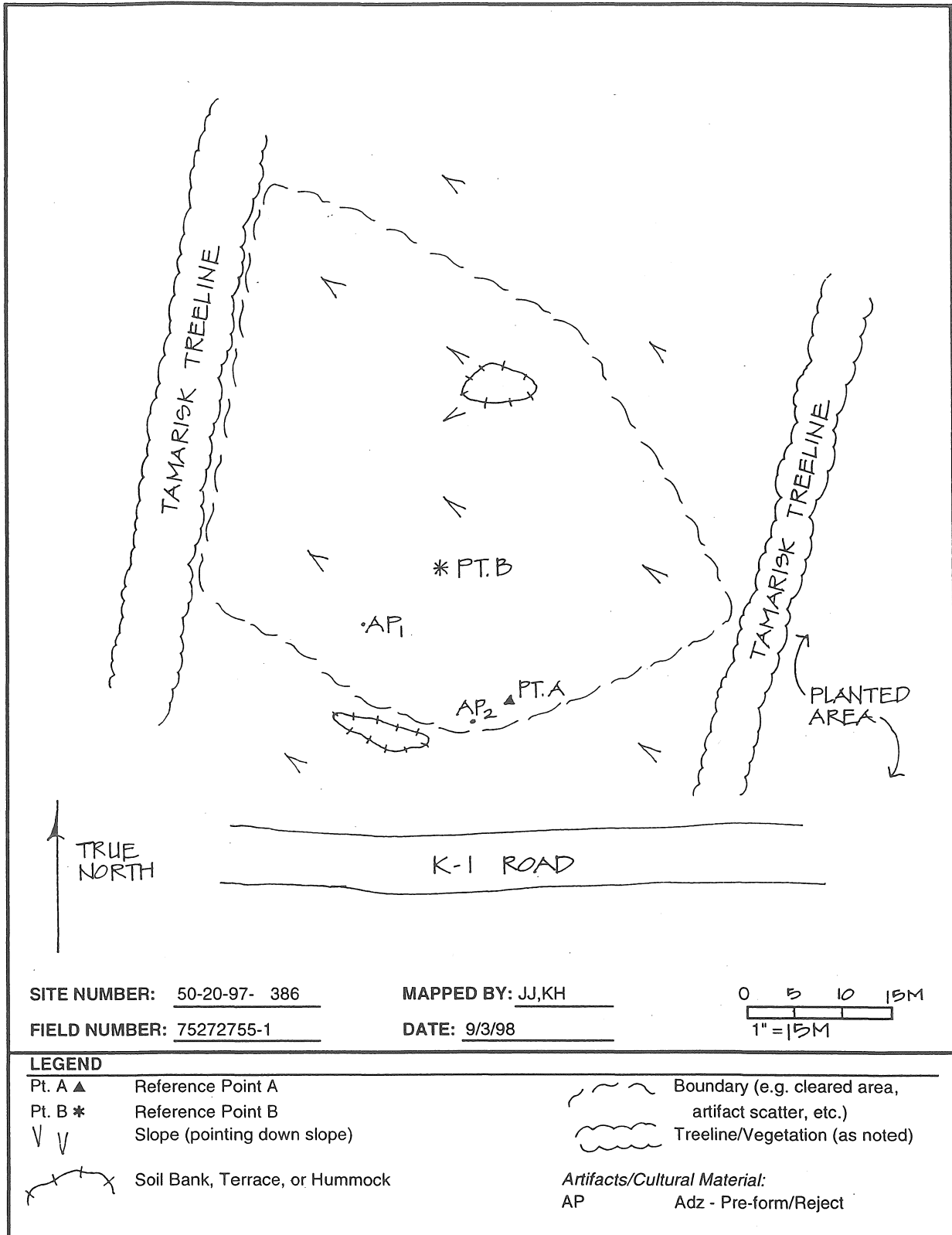
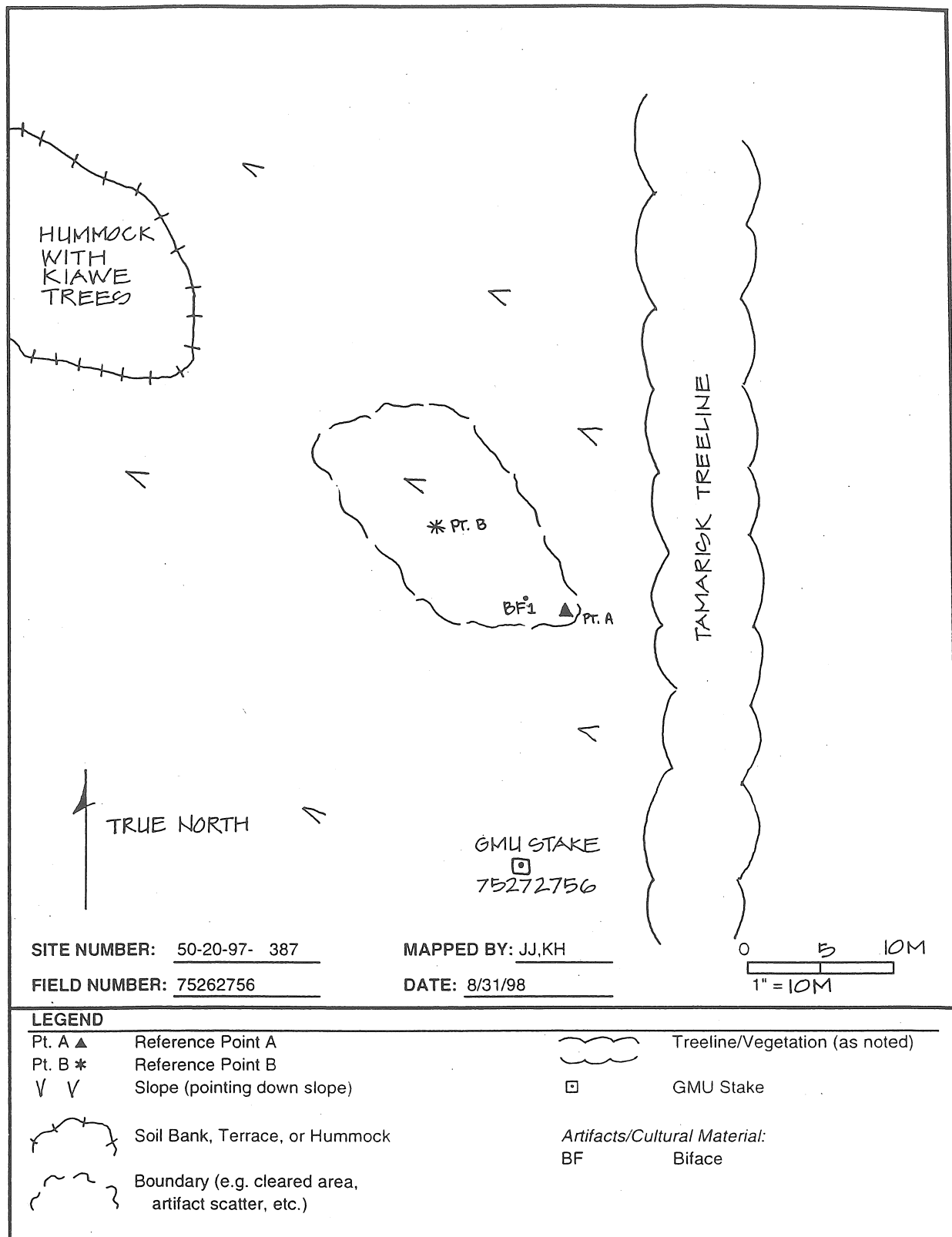




Figure B-130. Site 387, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-388

**FEATURE:** A

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

**FIELD NO.:** 75252753-1

**GMU:** 75252753

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 27 m (L) x 23 m (W)

**SITE AREA:** Approx. 621 sq. m

**Site Description**

Site 388 consists of a group of 20 lagged or deflating features of the type referred to as activity areas in the NRHP Nomination forms. The southern features are adjacent to a long hummock that extends easterly from the helicopter landing pad (LZ-1) to the rim of the Moa'ulanui crater (Figure 3-7). All 20 features were reidentified by means of the photogrammetric maps provided by the Navy. The constituent features (A through T) are discussed below.

**Feature A Description**

This feature of Site 388 consists of a small scatter of fractured basalt, volcanic glass and basalt debitage, and a few fragments of marine shell (*Thaididae spp.*). The scatter is mostly low-density, though there are a couple of areas of medium-density concentrations. The feature is located adjacent to (to the northwest) a large and long hummock, with which many of the features of Site 388 are associated (Figure B-131). The ground surface at the feature is completely eroded and 95% devoid of vegetation.

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**SITE NUMBER (SIHP):** 50-20-97-388

**FEATURE:** B

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75262753-1

**GMU:** 75262753

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** > 100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 65 m (L) x 25 m (W)

**SITE AREA:** Approx. 1625 sq. m

**Site Description**

Feature B of Site 388 consists of a generally low-density scatter of cultural materials, including fractured basalt, manufacturing debris flakes of fine-grained basalt and volcanic glass, marine shell, coral fragments, and a few small waterworn basalt cobbles. Scatter density is generally low, but there are a few places where materials are more concentrated. Cultural materials are visible in the hardpan areas between dispersed clumps of grass and lantana growing on shallow soils. The feature is situated adjacent to a large hummock to the south, from which part of this site may still be eroding (Figure B-132). Many of the features of Site 388 are associated with this hummock.

Figure B-131. Site 388, Feature A, Plan Map

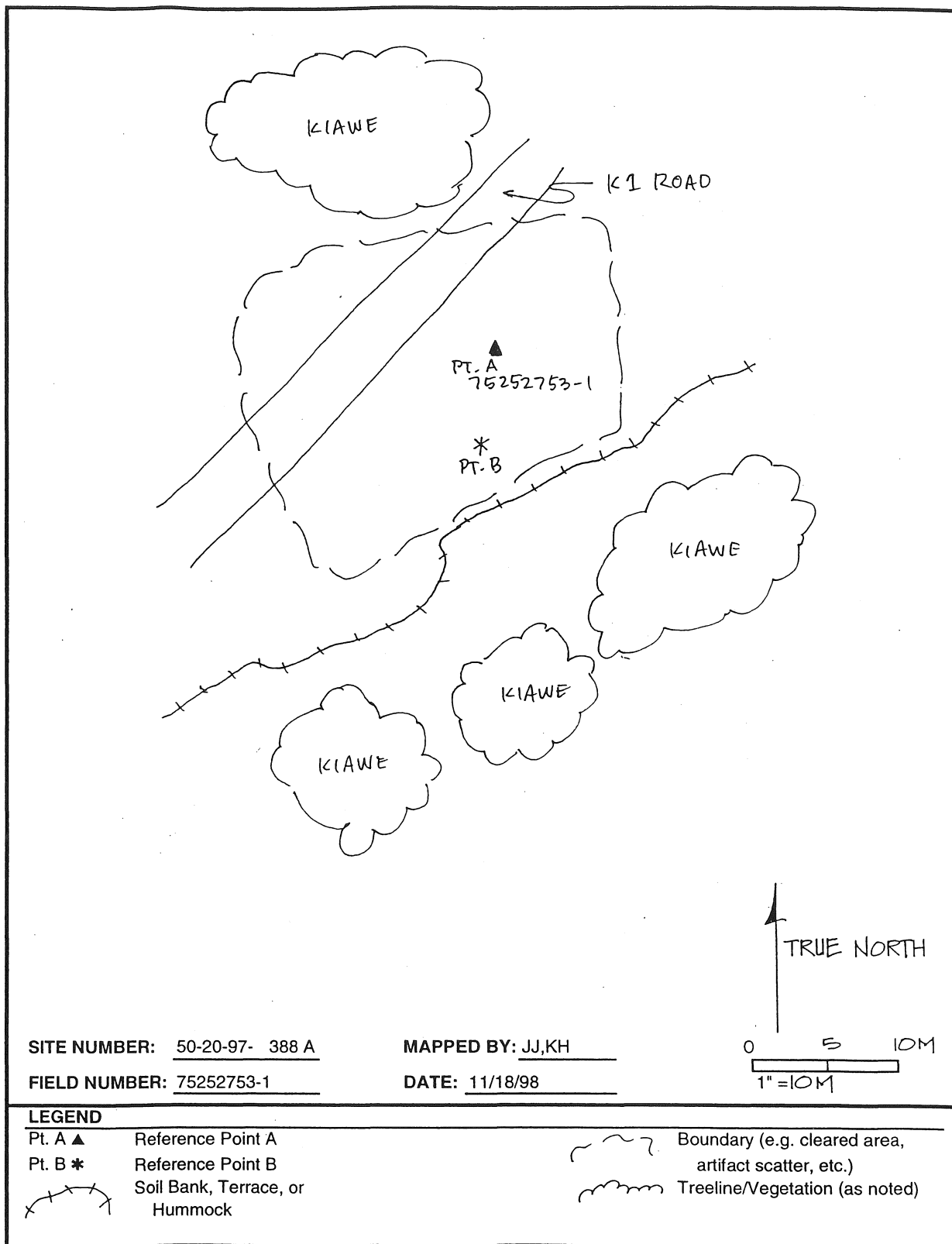
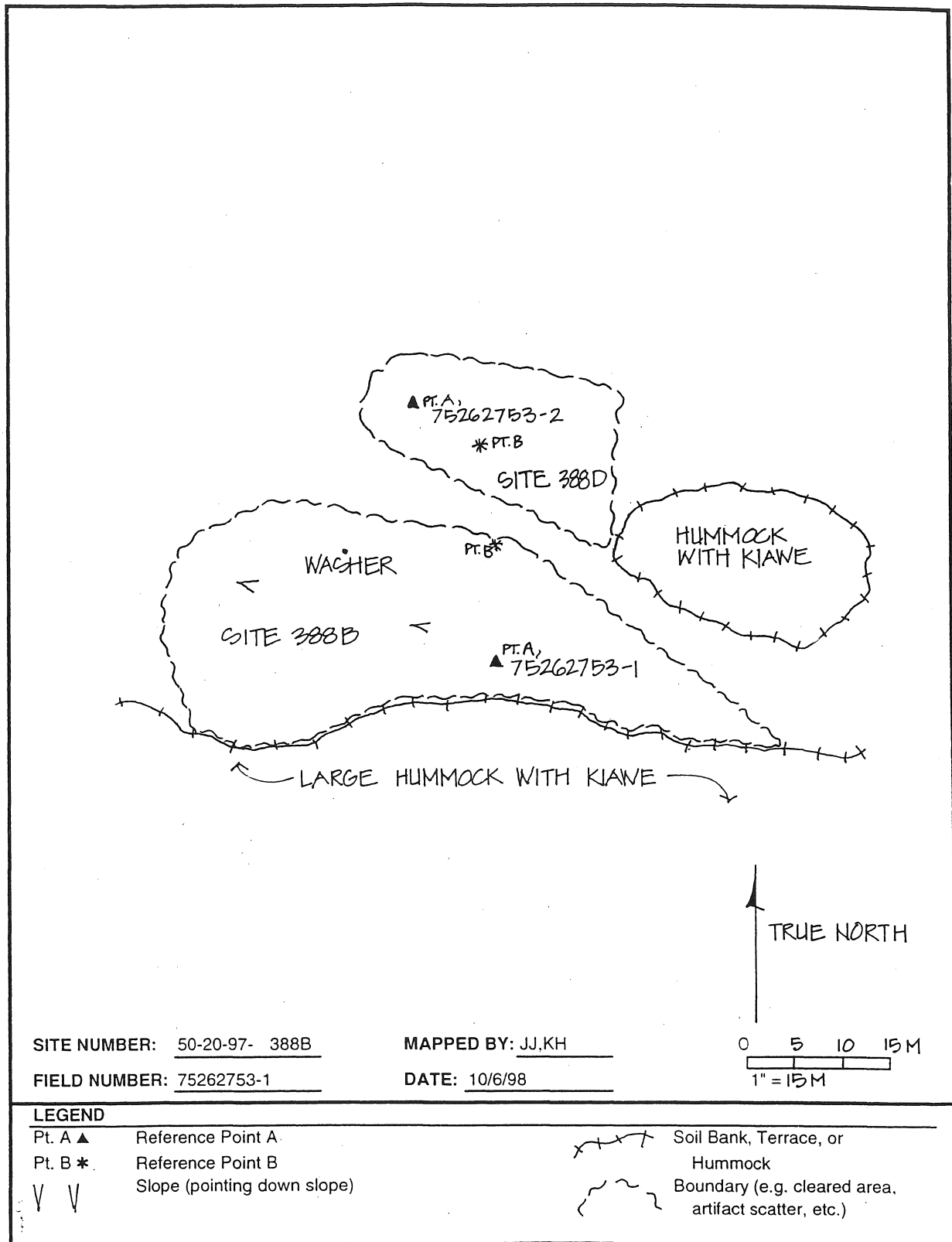


Figure B-132. Site 388, Feature B, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-388  
**FEATURE:** C  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75262753-3  
**GMU:** 75262753  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 20 m (L) x 17 m (W)  
**SITE AREA:** Approx. 340 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 388 consists of a low- to high-density scatter of cultural materials listed in the NRHP description. There are concentrations of volcanic glass flakes and expended cores that are in high-density concentrations. The ground surface is primarily hardpan, with approximately 20 to 25% covered with grass and *koa haole* growing on shallow soils. The feature is situated adjacent to and on the south side of K-1 Road, and it is also about 25 m north of the long hummock that is associated with many of the features of Site 388 (Figure B-133). There is a shallow erosional channel that bisects the site in a northwest-southeast direction.

**SITE NUMBER (SIHP):** 50-20-97-388  
**FEATURE:** D  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75262753-2  
**GMU:** 75262753  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 30 m (L) x 15 m (W)  
**SITE AREA:** Approx. 450 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Feature D of Site 388 consists of a mostly low-density scatter of cultural materials listed in the NRHP description, with the addition of manufacturing flakes of fine-grained basalt, one basalt biface (recorded), coral fragments, and a few small waterworn cobbles. The density of the cultural material scatter is mostly low, but there are a few areas where materials are more concentrated. This is most evident in the area around Reference Point A, where there is a high-density concentration of volcanic glass flakes and core fragments (Figure B-134). The site is situated adjacent to and north of Site 388-B. Cultural materials are visible in the hardpan areas between dispersed clumps of grass, *koa haole*, and lantana growing on shallow soils.

Figure B-133. Site 388, Feature C, Plan Map

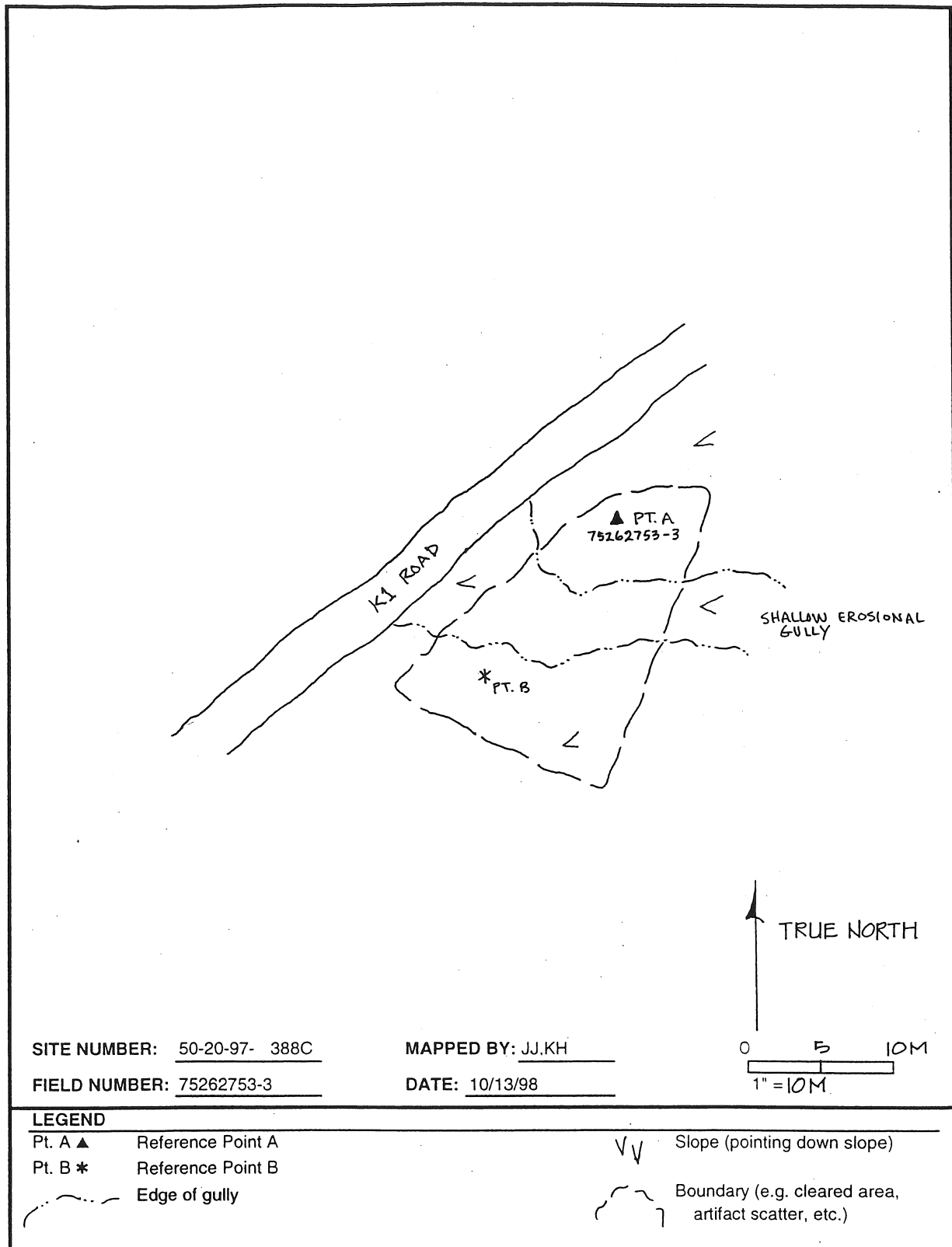
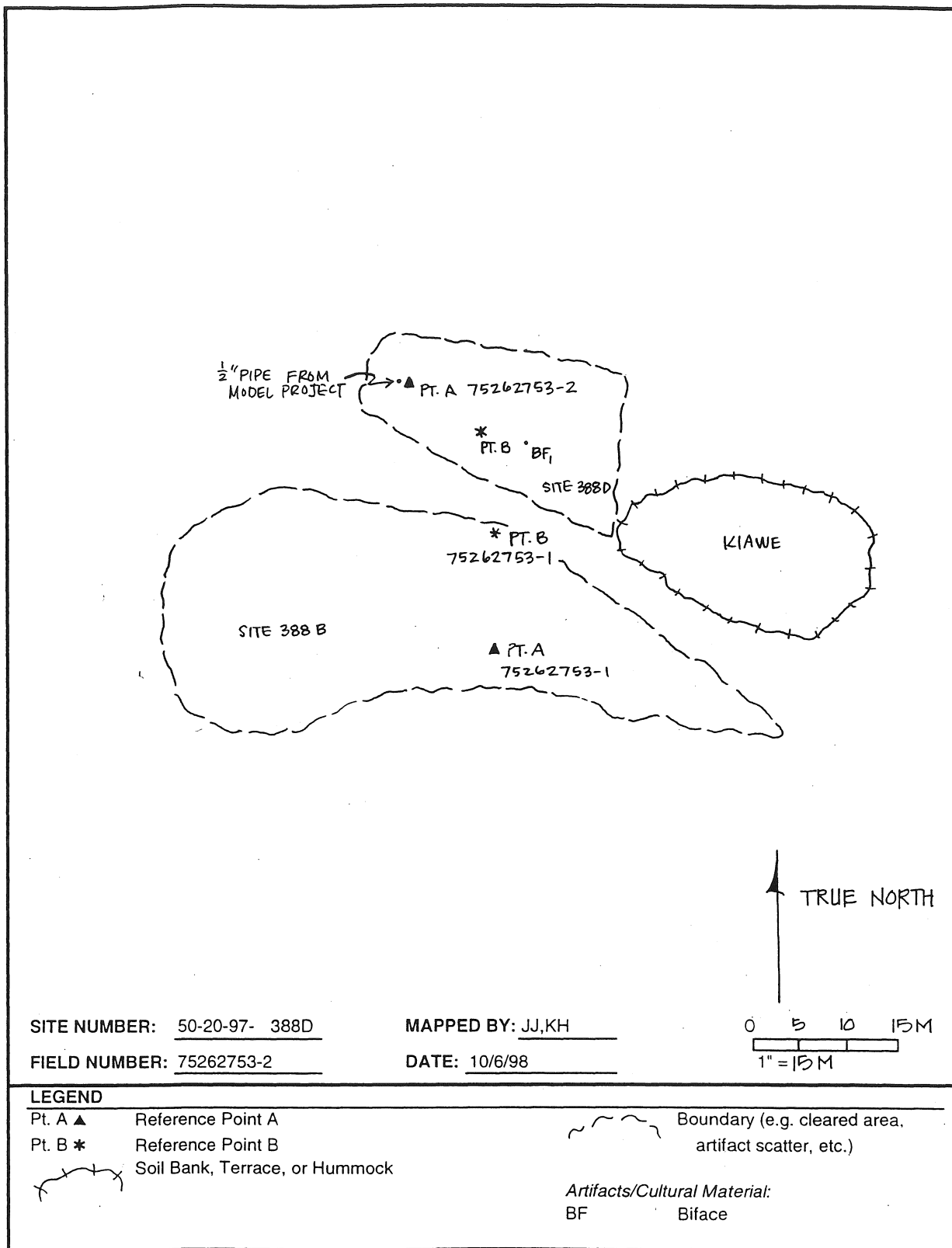


Figure B-134. Site 388, Feature D, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-388  
**FEATURE:** E  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75272753-1  
**GMU:** 75272753  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 56 m (L) x 45 m (W)  
**SITE AREA:** Approx. 2520 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes

**Site Description**

This feature of Site 388 consists of a low- to high-density scatter of cultural materials listed in the NRHP description, with the addition of a few small waterworn cobbles, one piece of green bottle glass, and recorded artifacts, consisting of a basalt biface and an adz preform/reject. The site is situated adjacent to (north of) the large hummock with which many of the features of Site 388 are associated (Figure B-135). Near the hummock, volcanic glass flakes, chips, and core fragments, along with basalt flakes and fractured basalt are highly concentrated. In other areas of the feature, the density of the cultural material scatter is low. Cultural materials are visible on denuded hardpan, which comprises approximately 60 to 70% of the feature surface area; the remainder is composed of remnant patches of soil covered by grass, lantana, and *koa haole*. There are also four wild tobacco plants in the site vicinity.

**SITE NUMBER (SIHP):** 50-20-97-388  
**FEATURE:** F  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75272752-1  
**GMU:** 75272752  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 20 m (L) x 11 m (W)  
**SITE AREA:** Approx. 220 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Feature F of Site 388 consists of a small, low- to medium-density scatter of cultural materials listed in the NRHP description, with the addition of one small adz preform/reject that was recorded. The site is situated immediately north of the large hummock with which many of the features of Site 388 are associated (Figure B-136). Cultural materials are visible on eroded hardpan that comprises most of the feature surface area. There are, however, a few small patches of vegetated remnant soils within the feature boundary.



Figure B-135. Site 388, Feature E, Plan Map

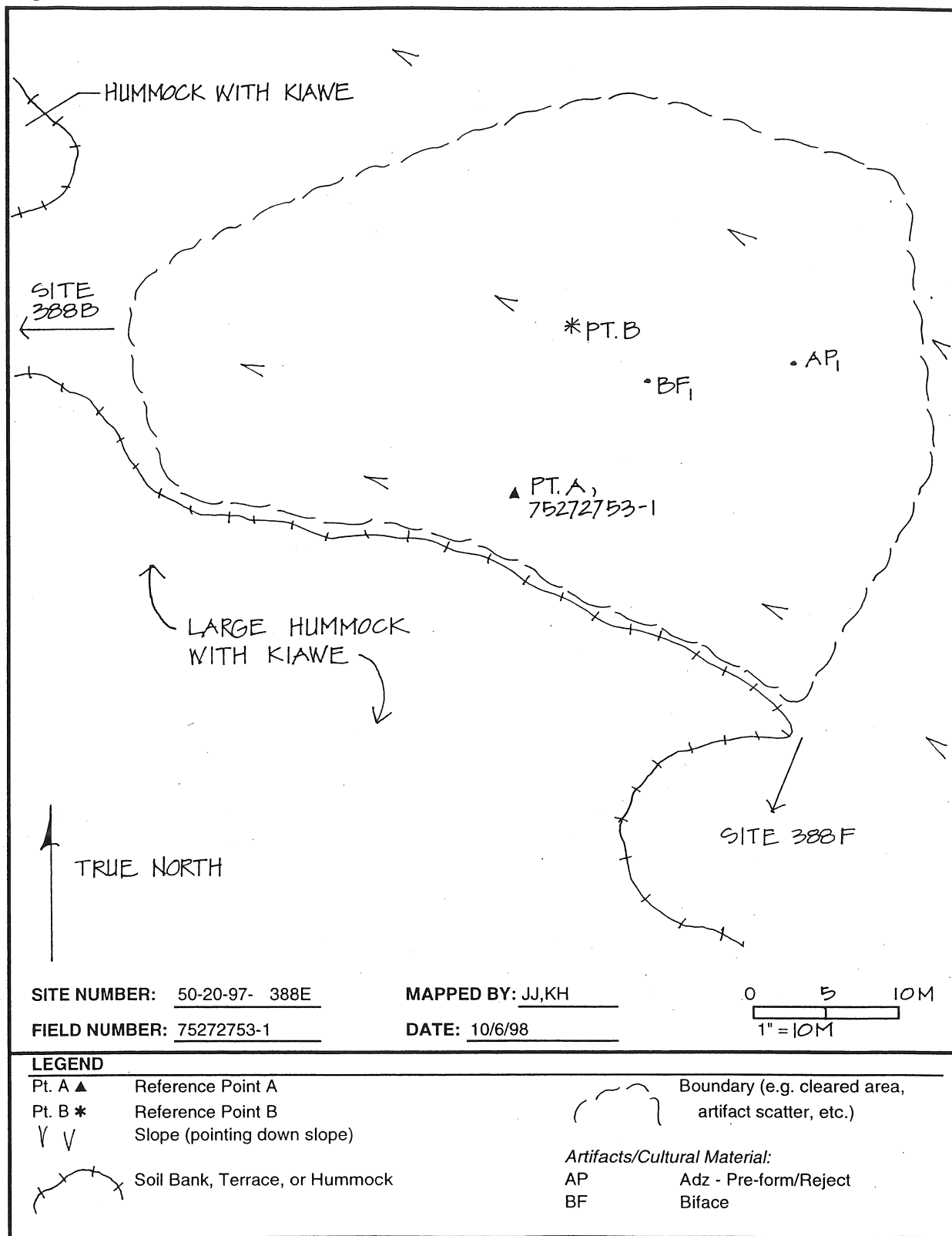
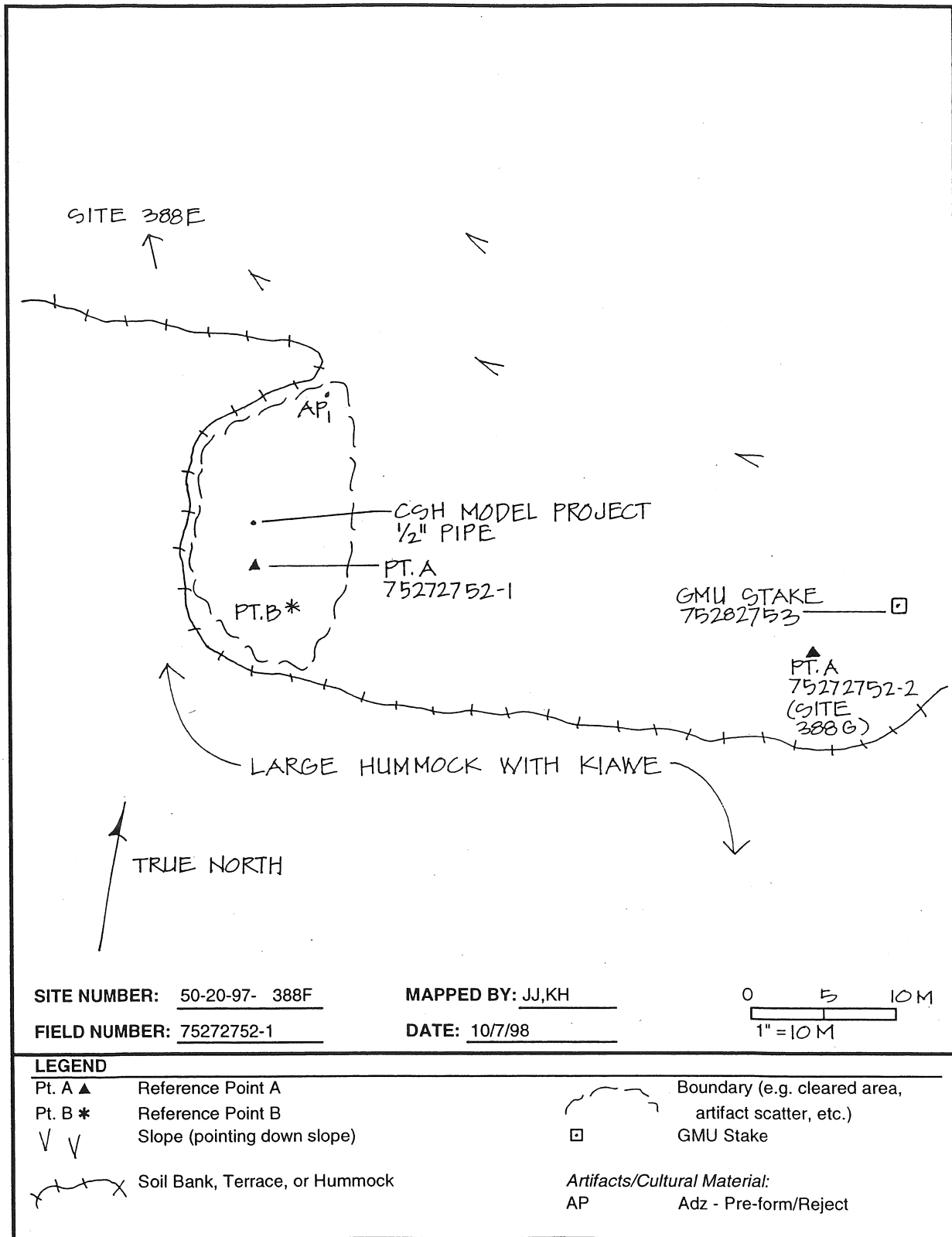


Figure B-136. Site 388, Feature F, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75272752-2
<b>FEATURE:</b> G	<b>GMU:</b> 75272752
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 45 m (L) x 38 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1710 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 388 consists of a relatively small scatter of cultural materials listed in the NRHP description, with the addition of a small quantity of coral fragments. Scatter density ranges from low to high, but is, on average, medium. The site is situated immediately northwest of a large hummock with which many of the features of Site 388 are associated (Figure B-137). The cultural materials are visible on the eroded hardpan surface of which the majority of the feature surface area is composed. There are very few patches of remnant soil with grass in the feature.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75282753-1
<b>FEATURE:</b> H	<b>GMU:</b> 75282753
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 22 m (L) x 17 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 374 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

Feature H of Site 388 consists primarily of a dense scatter of volcanic glass flakes, chips, and core fragments, as described on the NRHP Nomination form. In addition to the volcanic glass materials, there are a few fine-grained basalt flakes, marine shell fragments, coral fragments, and fractured basalt. The size of the volcanic glass scatter is about the same as originally recorded, but the feature boundaries were expanded to include the cultural materials surrounding it. The feature surface consists primarily of eroded hardpan, with patches of remnant soils vegetated with grass, saltbush, wild tobacco, *koa haole*, and lantana. The concentration of volcanic glass is located north of a moderately-sized remnant soil patch or low hummock (Figure B-138).

Figure B-137. Site 388, Feature G, Plan Map

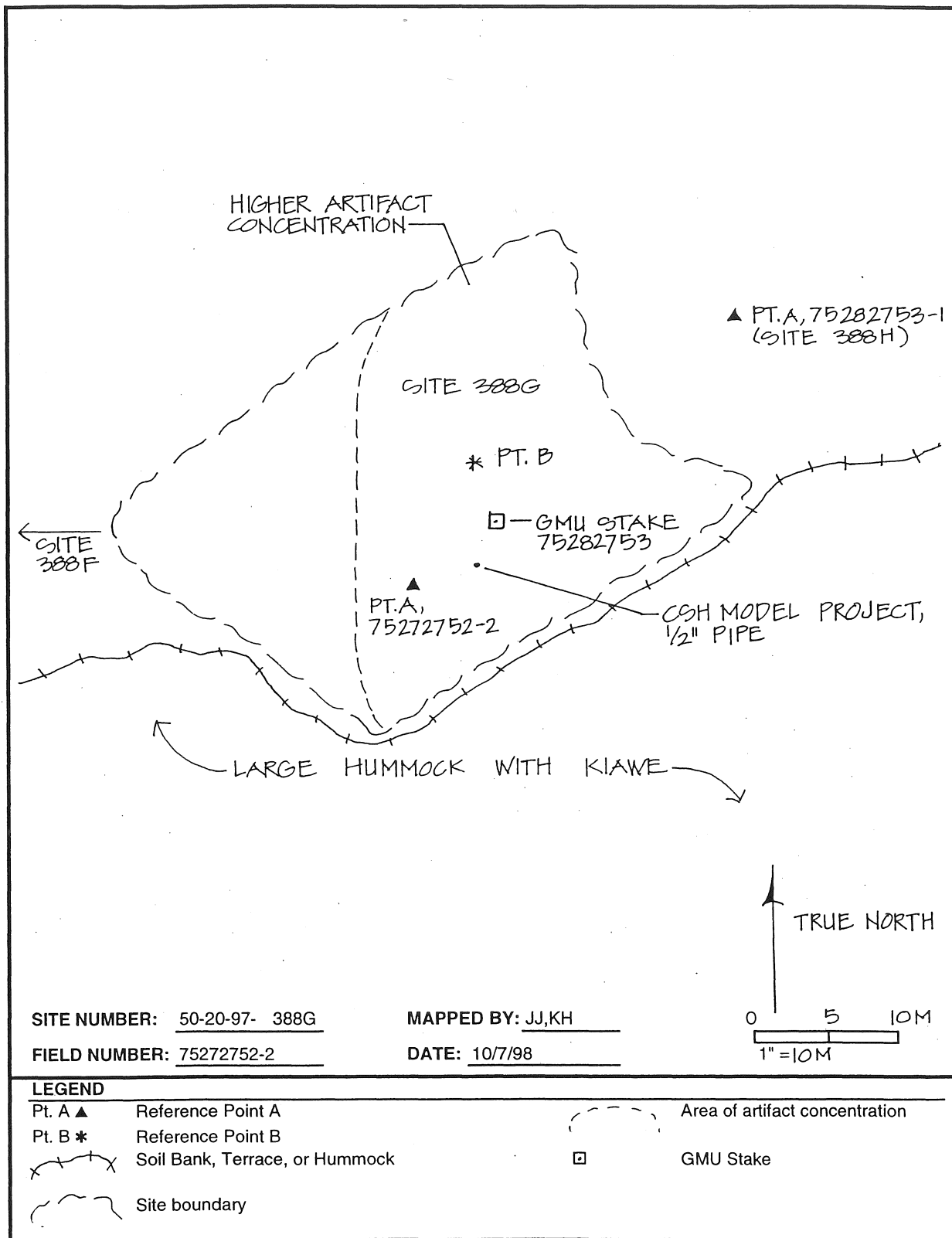
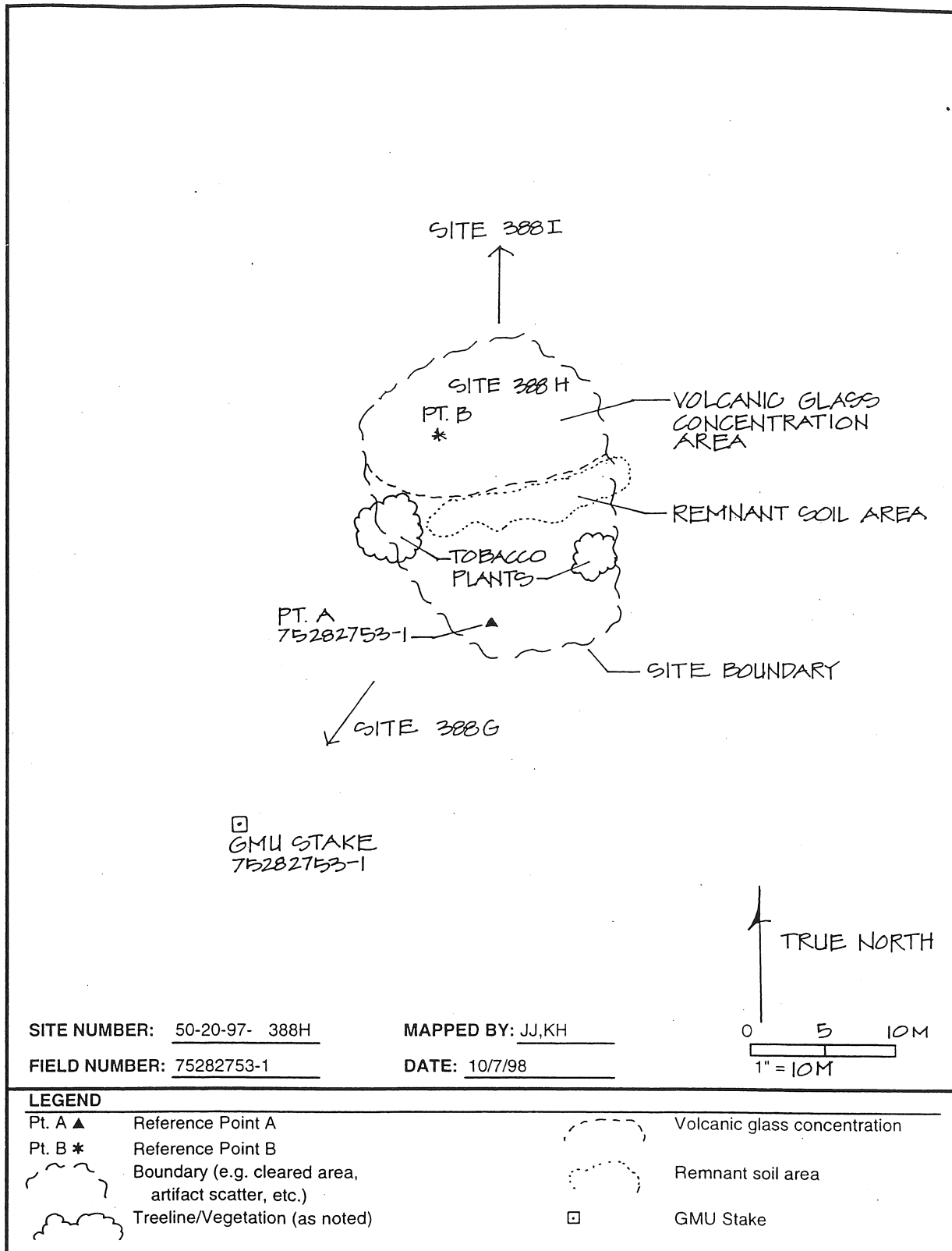


Figure B-138. Site 388, Feature H, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75282753-2
<b>FEATURE:</b> I	<b>GMU:</b> 75282753
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 50 m (L) x 31 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1550 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 388 consists of a low- to high-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of the recorded artifacts and a few small waterworn cobbles. Artifacts recorded include two adz preform/rejects, three hammerstones, and one biface. Cultural materials are visible on the eroded hardpan surface that comprises most of the feature surface area. There are a few patches of remnant soil with grass and lantana within the feature boundaries (Figure B-139). The ground slopes gently to the west, and there are a few shallow erosion channels. For the size of this site, and compared to other 388 sites to the south and west, this site has a moderately high quantity of hammerstones and broken and/or unfinished lithic tools.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75282752-1
<b>FEATURE:</b> J	<b>GMU:</b> 75282752
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 65 m (L) x 32 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 2080 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature J of Site 388 consists of a low-density scatter of mostly fractured basalt, a few basalt flakes, marine shell fragments, and coral fragments. Cultural materials are sparse and are visible on the eroded hardpan areas of the feature. Approximately 40% of the feature area consists of four small hummocks, while the southern boundary of the site is up against the large hummock associated with many other features of Site 388 (Figure B-140). The north boundary is abutted to a fenced area of planted eucalyptus and agave. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

Figure B-139. Site 388, Feature I, Plan Map

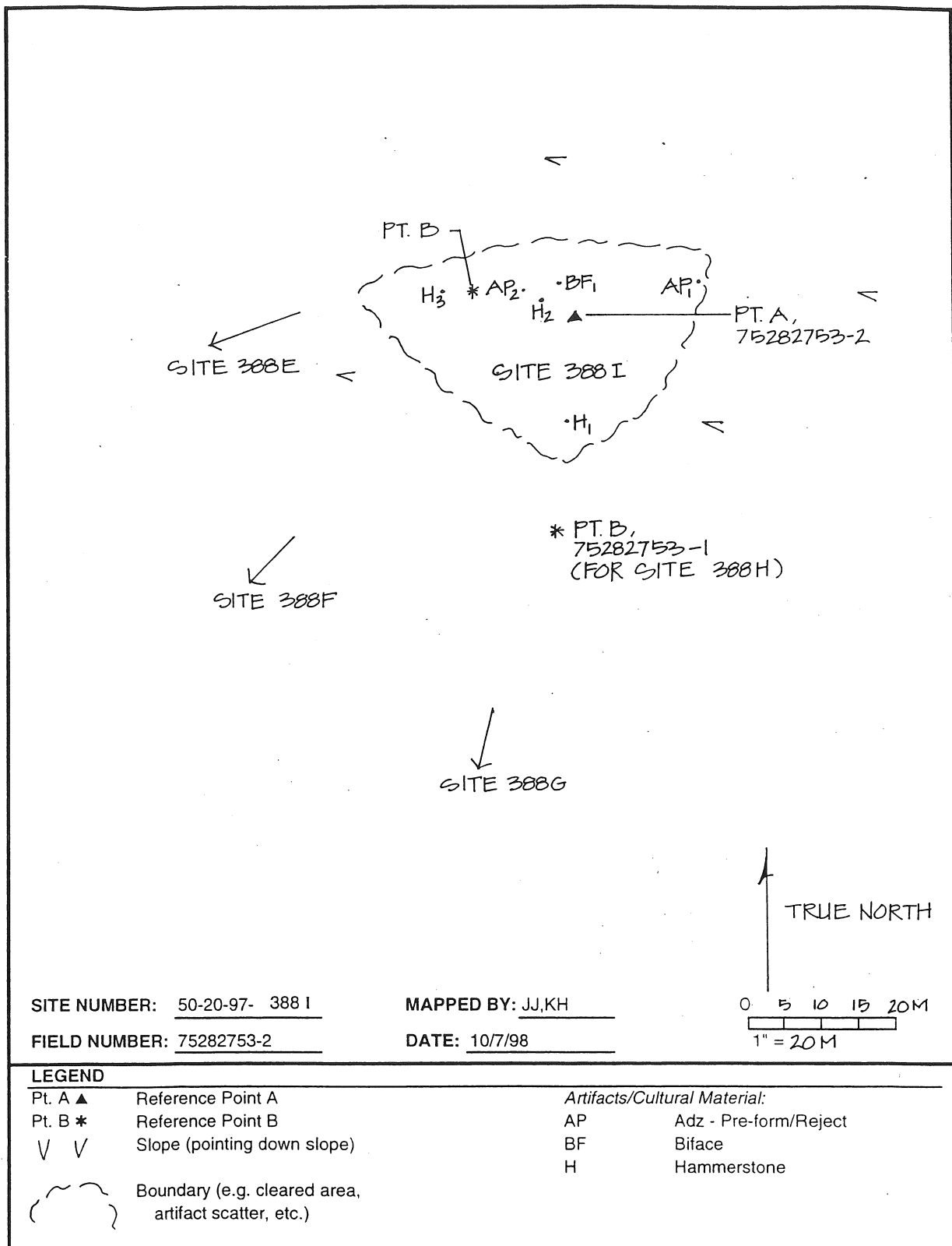
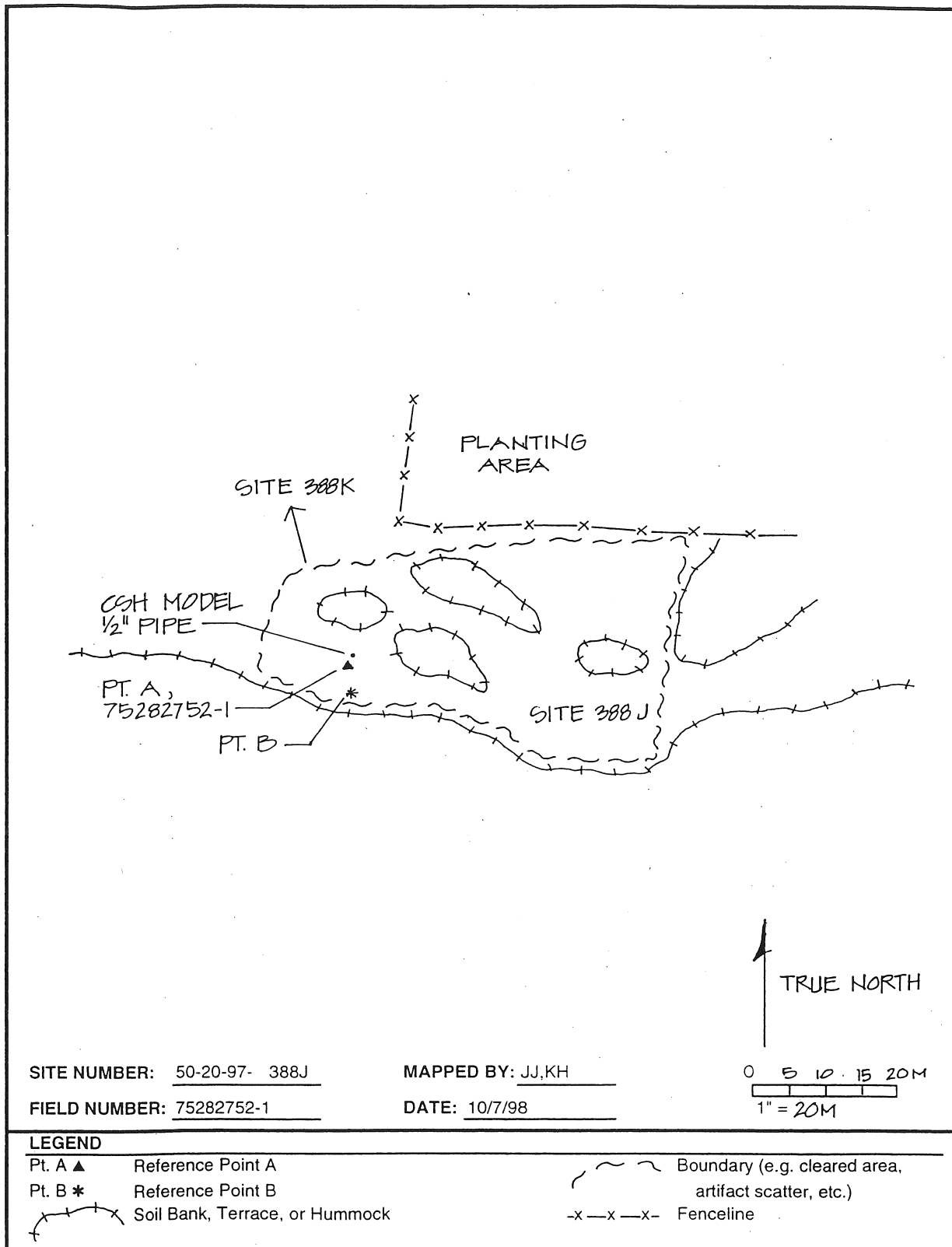


Figure B-140. Site 388, Feature J, Plan Map





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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75282753-3
<b>FEATURE:</b> K	<b>GMU:</b> 75282753
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 32 m (L) x 29 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 928 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 388 consists of a medium- to high-density scatter of cultural materials listed in the NRHP description, except the two hammerstones were not relocated. However, several additional artifacts were recorded, including three adz preforms, one possible chisel fragment, and one fragment of a coral abrader (Figure B-141). Fractured basalt and manufacturing debris flakes of basalt and volcanic glass are relatively highly concentrated at this feature. The ground surface of the feature is approximately 70 to 75% eroded hardpan (where cultural materials are visible), with the remainder consisting of remnant soil patches vegetated with grass, vines, and lantana.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75292753-1
<b>FEATURE:</b> L	<b>GMU:</b> 75292753
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 32 m (L) x 30 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 960 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Feature L of Site 388 consists of a scatter of cultural materials previously listed in the NRHP Nomination form description. The cultural material scatter is generally a low-density concentration. Cultural materials are visible on the eroded hardpan and non-vegetated surfaces, among patches of shallow soils, with grass, lantana, and *koa haole*. This site is situated immediately adjacent (north) of the large hummock that is associated with many features of Site 388 (Figure B-142).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75292753-2
<b>FEATURE:</b> M	<b>GMU:</b> 75292753
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 32 m (L) x 25 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 800 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 388 consists of a scatter of cultural materials listed in the NRHP description. Artifacts are concentrated in a high-density area in the middle of the site, but density quickly decreases toward the perimeter. Feature M is situated north of and adjacent to Feature L of Site 388 (Figure B-142). Cultural materials are visible on the non-vegetated hardpan and loose aeolian-deposited soil areas of the site. There are patches of shallow soils or low hummocks that are covered

with grass, lantana, and *koa haole*.

Figure B-141. Site 388, Feature K, Plan Map

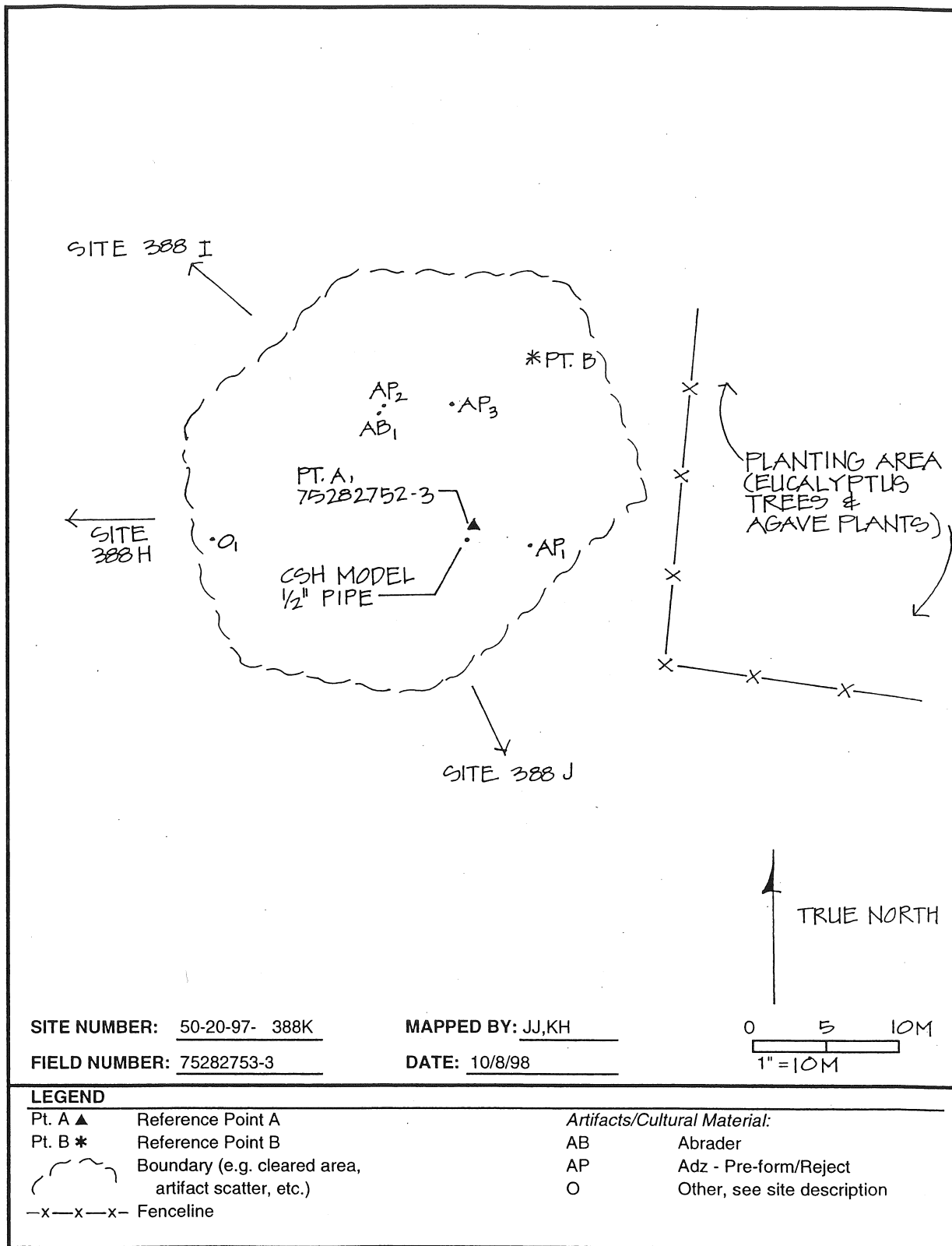
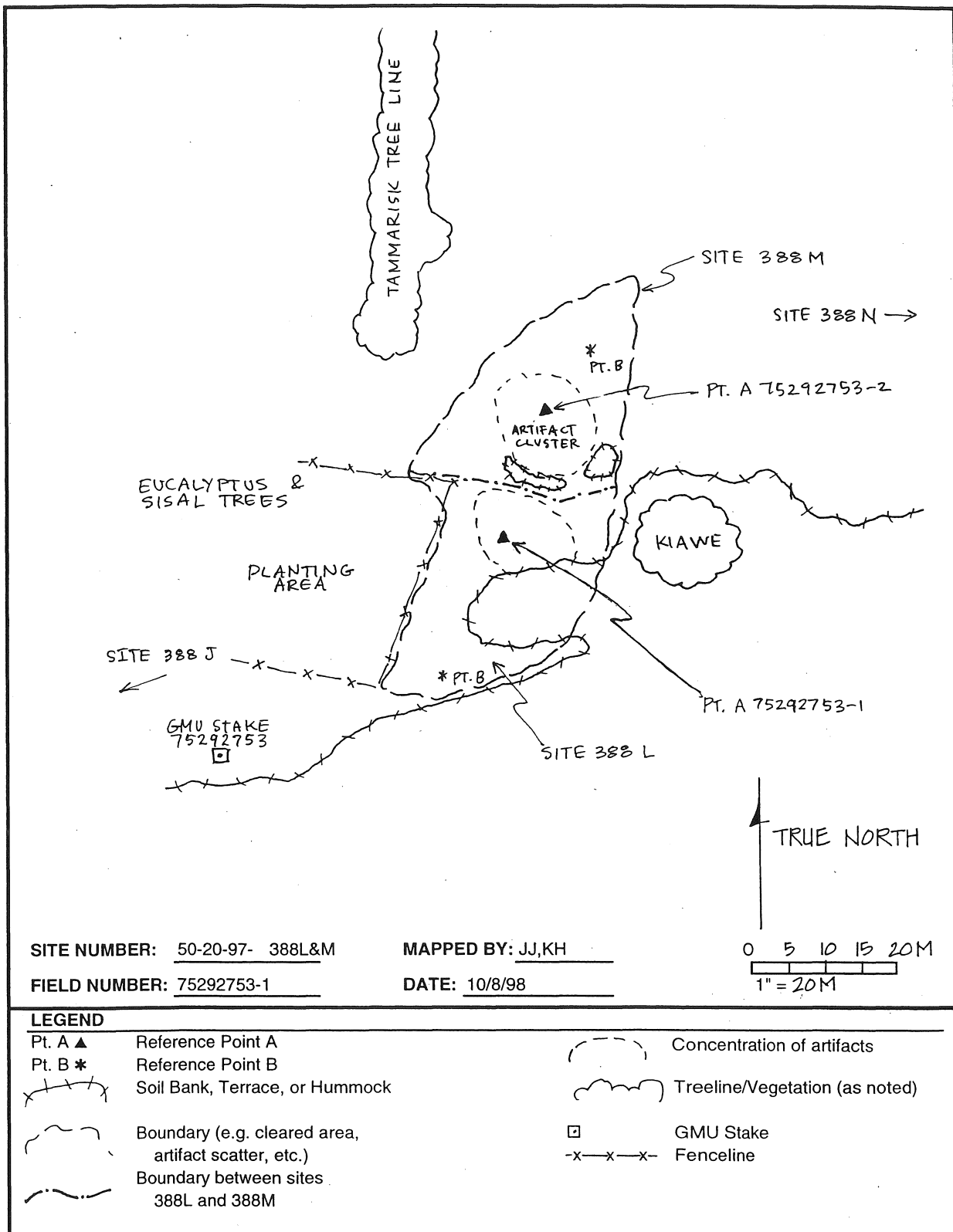


Figure B-142. Site 388, Features L and M, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-388  
**FEATURE:** N  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Crater  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75302753-1  
**GMU:** 75302753  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 62 m (L) x 42 m (W)  
**SITE AREA:** Approx. 2604 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Feature N of Site 388 consists of a low- to high-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of recorded artifacts, including two basalt awls and one more adz preform/reject fragment (two were recorded). Also, there is a greater quantity of coral fragments (mostly branch) than is implied by the NRHP description. The feature is situated to the north of (immediately adjacent to) the large hummock that is associated with many other features of Site 388 (Figure B-143). Feature N is situated at the eastern end of the hummock, where it terminates at the top of the western rim of Moa`ulanui crater. Cultural materials are visible in the hardpan and non-vegetated areas of the feature, between small patches of vegetated shallow soils. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

**SITE NUMBER (SIHP):** 50-20-97-388  
**FEATURE:** O  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75282753-4  
**GMU:** 75282753  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** High  
**SITE DIMENSIONS:** 103 m (L) x 71 m (W)  
**SITE AREA:** Approx. 7313 sq. m

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Finished adz, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 388 consists of a low- to high-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of the recorded artifacts. Artifacts recorded at this feature include two basalt awls, a small complete adz, two adz preform/rejects, one basalt core, one hammerstone, and a coral abrader (Figure B-144). Cultural materials are visible in the hardpan and non-vegetated areas of the feature, between the grass-covered clumps of shallow soils and a few low hummocks vegetated with grass, *koa haole*, lantana, and wild tobacco. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

Figure B-143. Site 388, Feature N, Plan Map

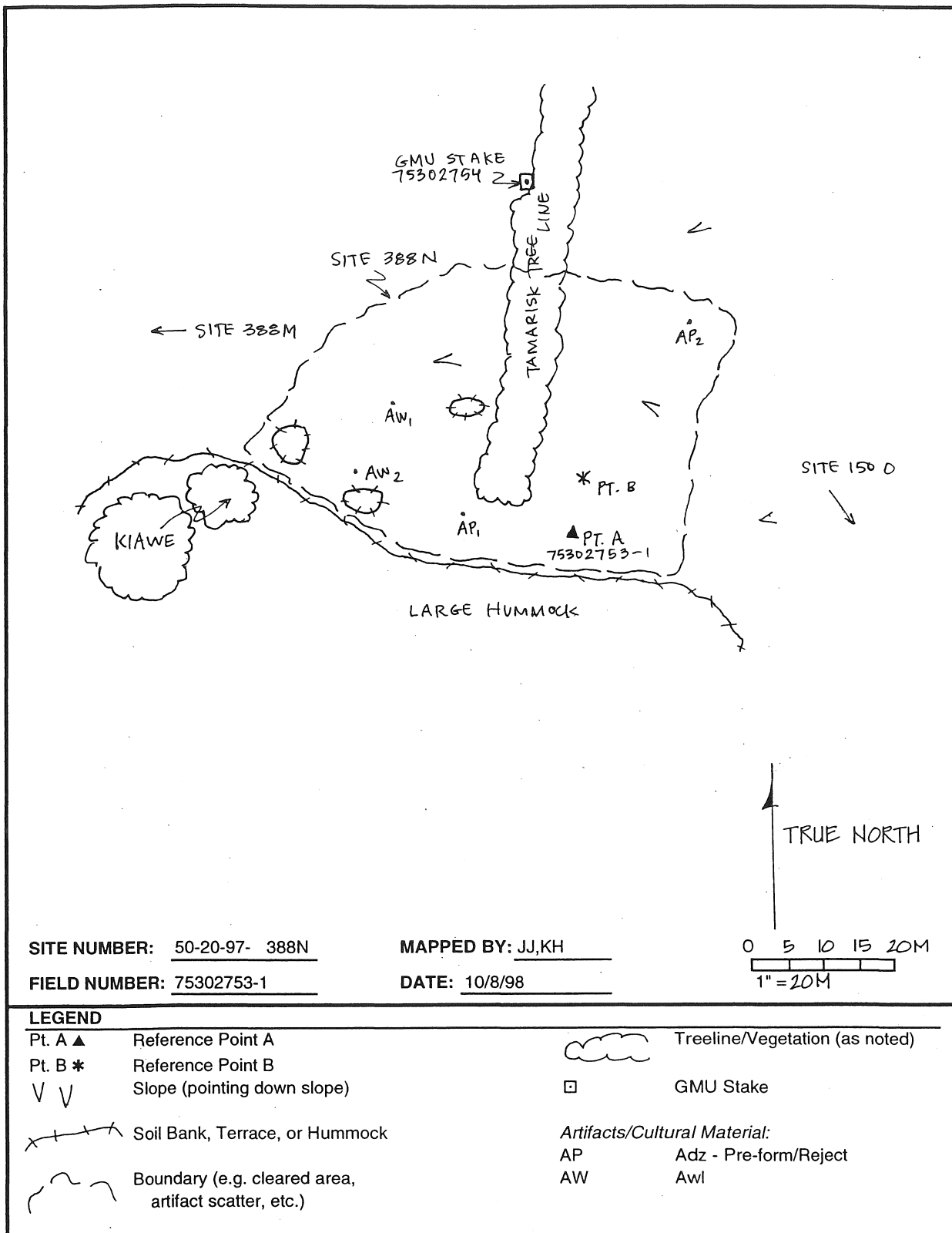
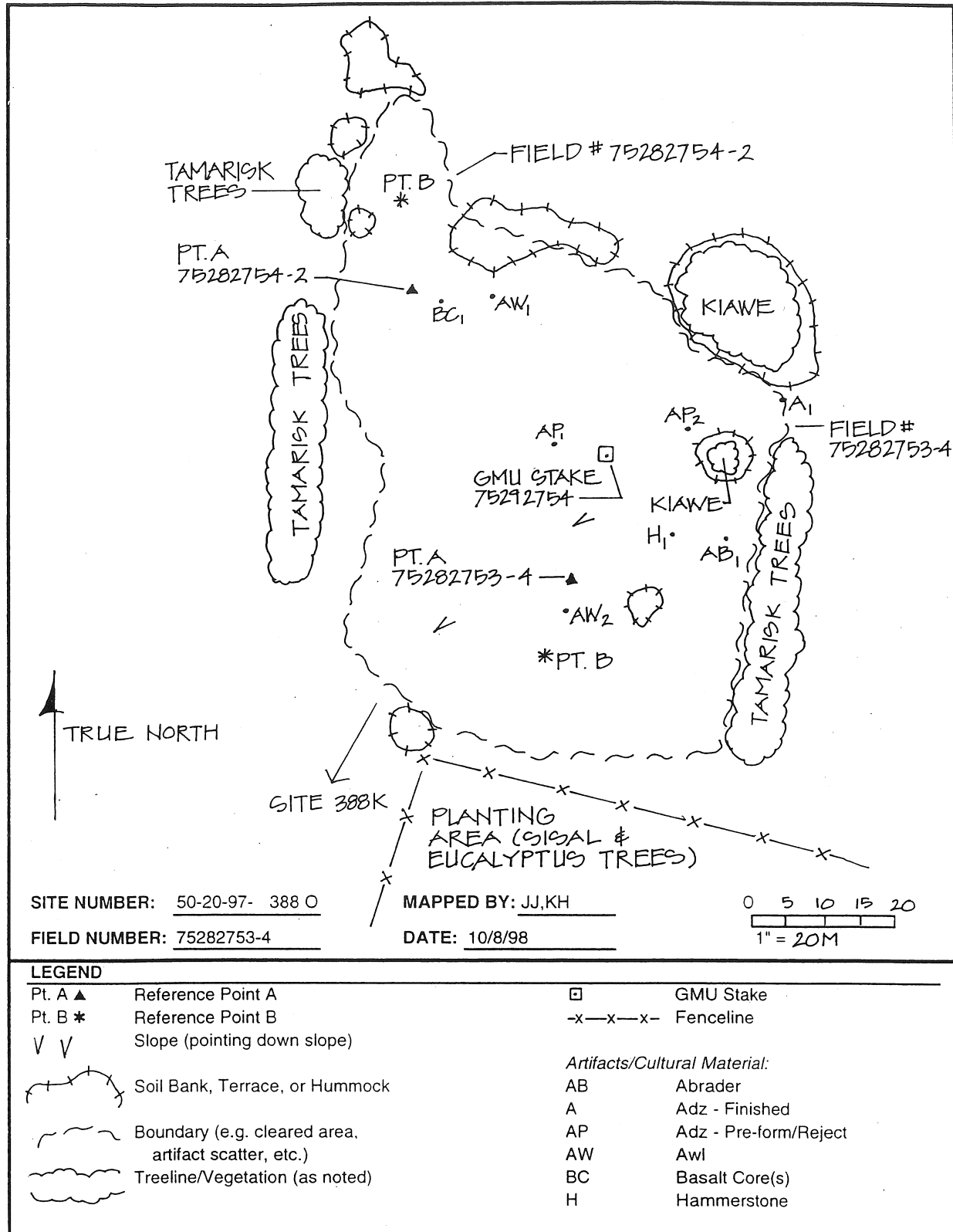


Figure B-144. Site 388, Feature O, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75282754-1
<b>FEATURE:</b> P	<b>GMU:</b> 75282754
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 53 m (L) x 18 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 954 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature P of Site 388 consists of a mostly low-density scatter of cultural materials listed in the NRHP Nomination form description, including the helmet (*Cassis spp.*) shell fragment that was specifically mentioned. Additional adz preform/rejects (a total of three), one basalt core, and one basalt biface were recorded (Figure B-145). The site is situated on a hardpan surface that is interspersed with small hummocks and shallow soils vegetated with grass, lantana, and *koa haole*. It is situated between two tamarisk tree-line windbreaks, and the ground slopes gently to the west. There is a shallow erosive channel where much of the cultural material can be found.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75272754-1
<b>FEATURE:</b> Q	<b>GMU:</b> 75272754
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 27 m (L) x 17 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 459 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Polished Flakes from Finished Adzes, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 388 consists of a low-density scatter of cultural materials, as described in the NRHP Nomination form description. No additional cultural materials were observed. The ground surface is primarily hardpan, though about 20% of the feature area is covered with grass growing on shallow soils (Figure B-146).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75292754-1
<b>FEATURE:</b> R	<b>GMU:</b> 75292754
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 39 m (L) x 27 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1053 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature R of Site 388 consists of a low- to high-density scatter of cultural materials listed in the NRHP description. Cultural materials are visible on the hardpan surface surrounding a low hummock in the center of the site (Figure B-147). The density of the cultural material scatter is mostly low, but there are a few areas where materials are more concentrated. The ground surface of the feature consists of approximately 50% hardpan. Approximately 20% of the surface is covered by hummocks, and about 30% of the surface is covered by grass growing on shallow soil. The area is generally flat, though about 50 m north of the feature the ground begins to slope to the north.



Figure B-145. Site 388, Feature P, Plan Map

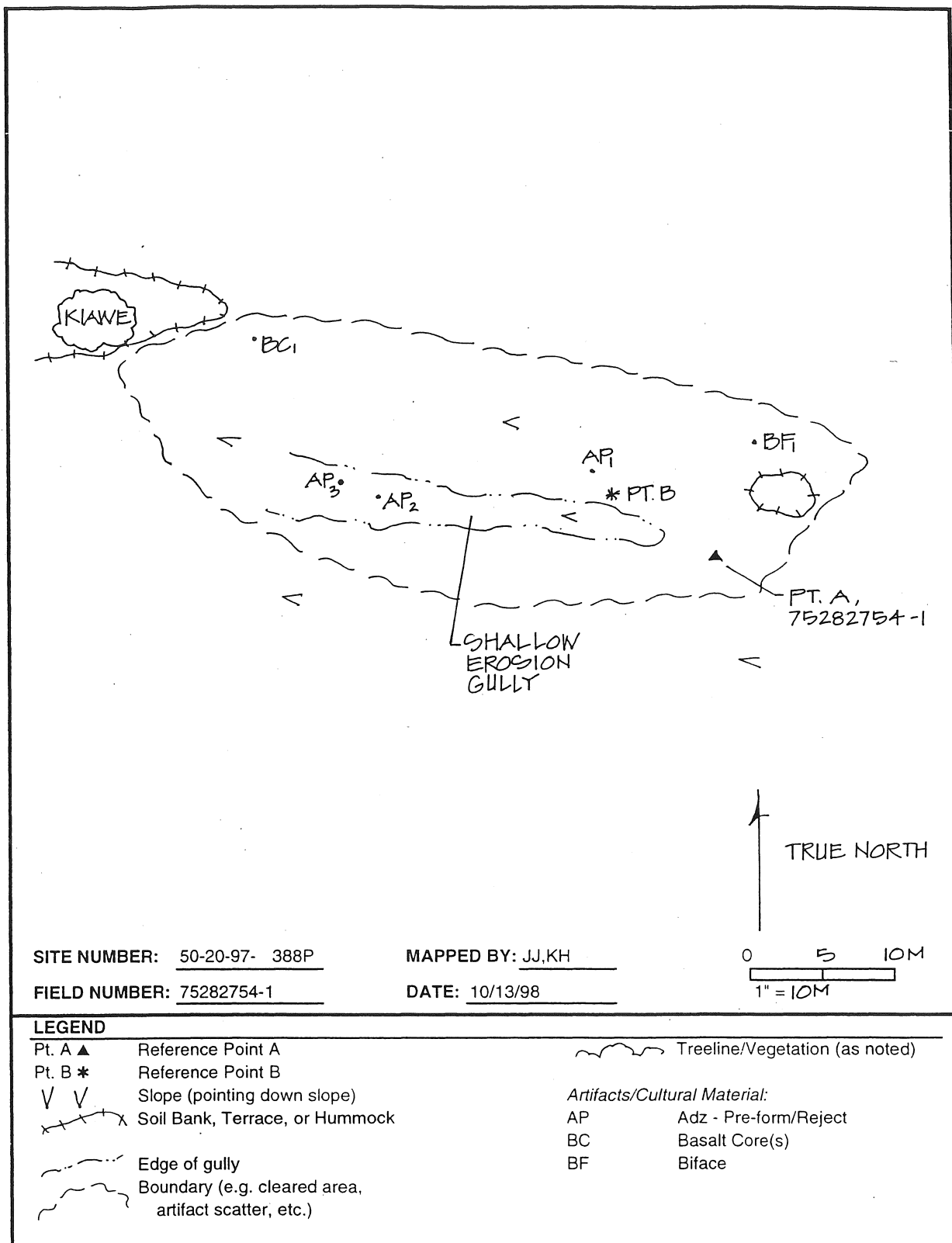


Figure B-146. Site 388, Feature Q, Plan Map

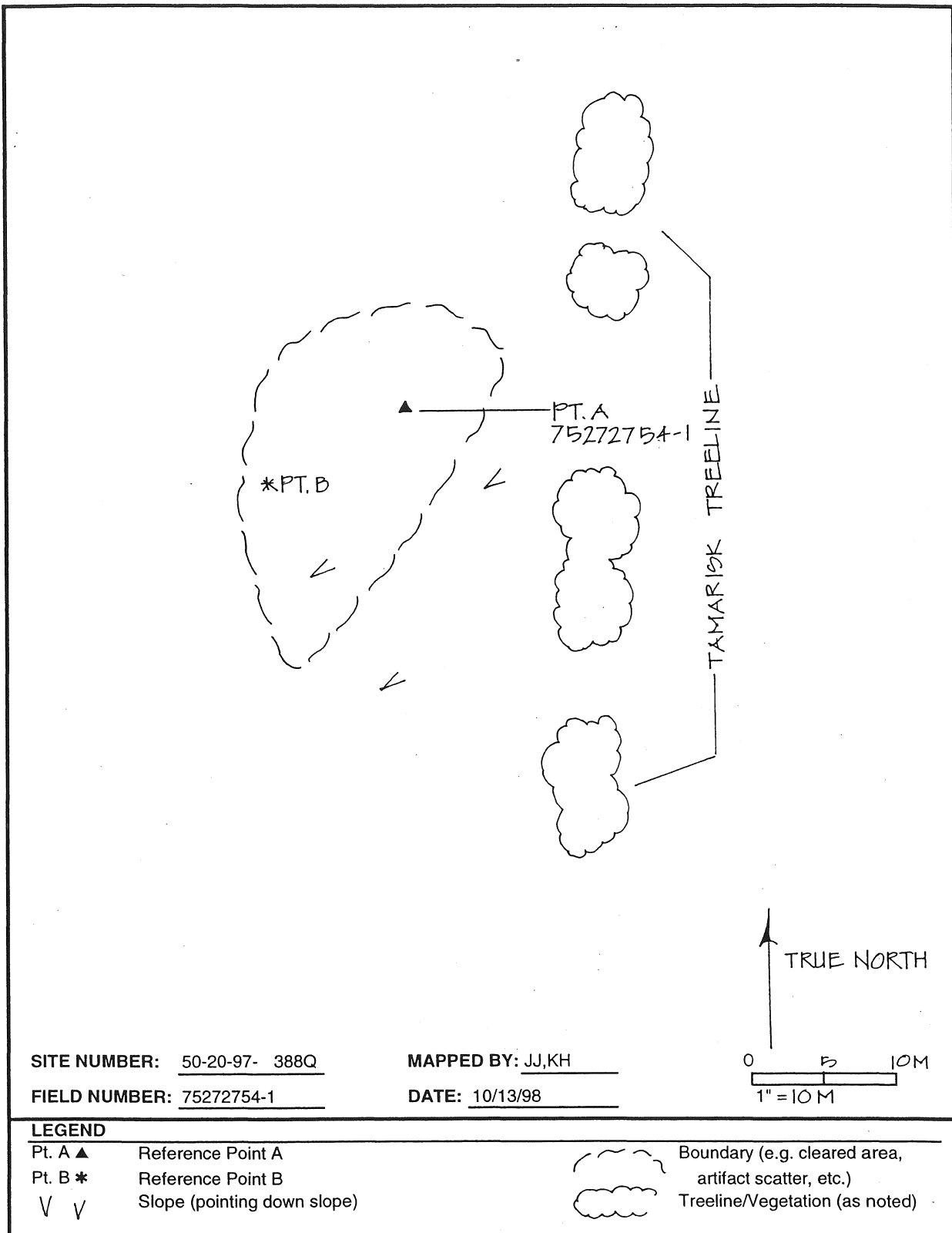
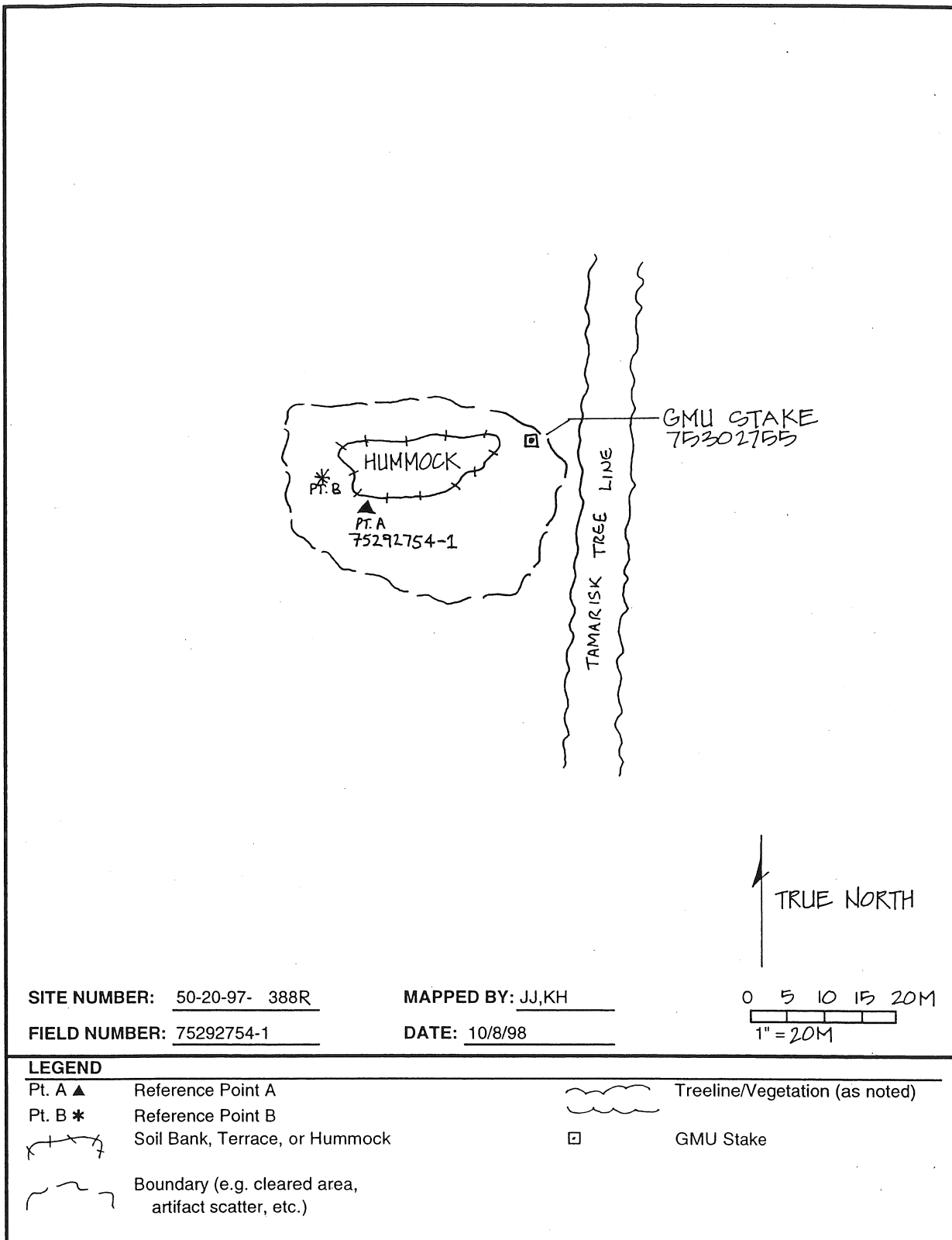


Figure B-147. Site 388, Feature R, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75302755-1
<b>FEATURE:</b> S	<b>GMU:</b> 75302756
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 86 m (L) x 75 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 6450 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 388 is located downslope and northwest of Site 150-L. It is a sparse scatter of mostly fractured basalt, with some basalt flakes, a few marine shells, and shell fragments. Recorded artifacts include two adz preform/rejects, one hammerstone, and one biface (Figure B-148). This site is also near (southeast) to Site 388-T. Most of the feature as identified is on eroded hardpan, though there are some large hummocks that surround the site.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-388	<b>FIELD NO.:</b> 75292755-1
<b>FEATURE:</b> T	<b>GMU:</b> 75292755
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric, Historic	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 105 m (L) x 93 m (W)
<b>SITE FUNCTION:</b> Habitation, Activity Area	<b>SITE AREA:</b> Approx. 9765 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Finished Adz, Fireplace, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature T of Site 388 consists of a low- to high-density scatter of cultural materials surrounding two hummocks, as described on the NRHP Nomination form. The site contains two hummocks from which three firepits are eroding out of the leeward sides (Figure B-149). Two of the firepits appear to be still in the intact soil, but the third appears to have mostly eroded. The other two have fire-cracked rock (basalt) and a charcoal-ash layer still intact, with a cascaded scatter of fire-cracked rock down the face of the hummock. There are two distinct clusters of volcanic glass flakes and debris. One is between the two hummocks, and the other is to the south of the westernmost hummock. The fragment of what was originally identified as "chalcedony" is very distinct and still present at this site. Two types of bottle glass are present: dark green and clear/translucent. Also, two types of porcelain fragments are present – both from plates or shallow bowls. Cultural materials near the lee side of the hummocks are very dense, and gradually thin out toward the perimeters of the site to low-density. Artifacts recorded at this feature include one adz, two adz preform/rejects, two hammerstones, one basalt core, five coral abraders, one basalt abrader, one biface, and one volcanic glass core.

Figure B-148. Site 388, Feature S, Plan Map

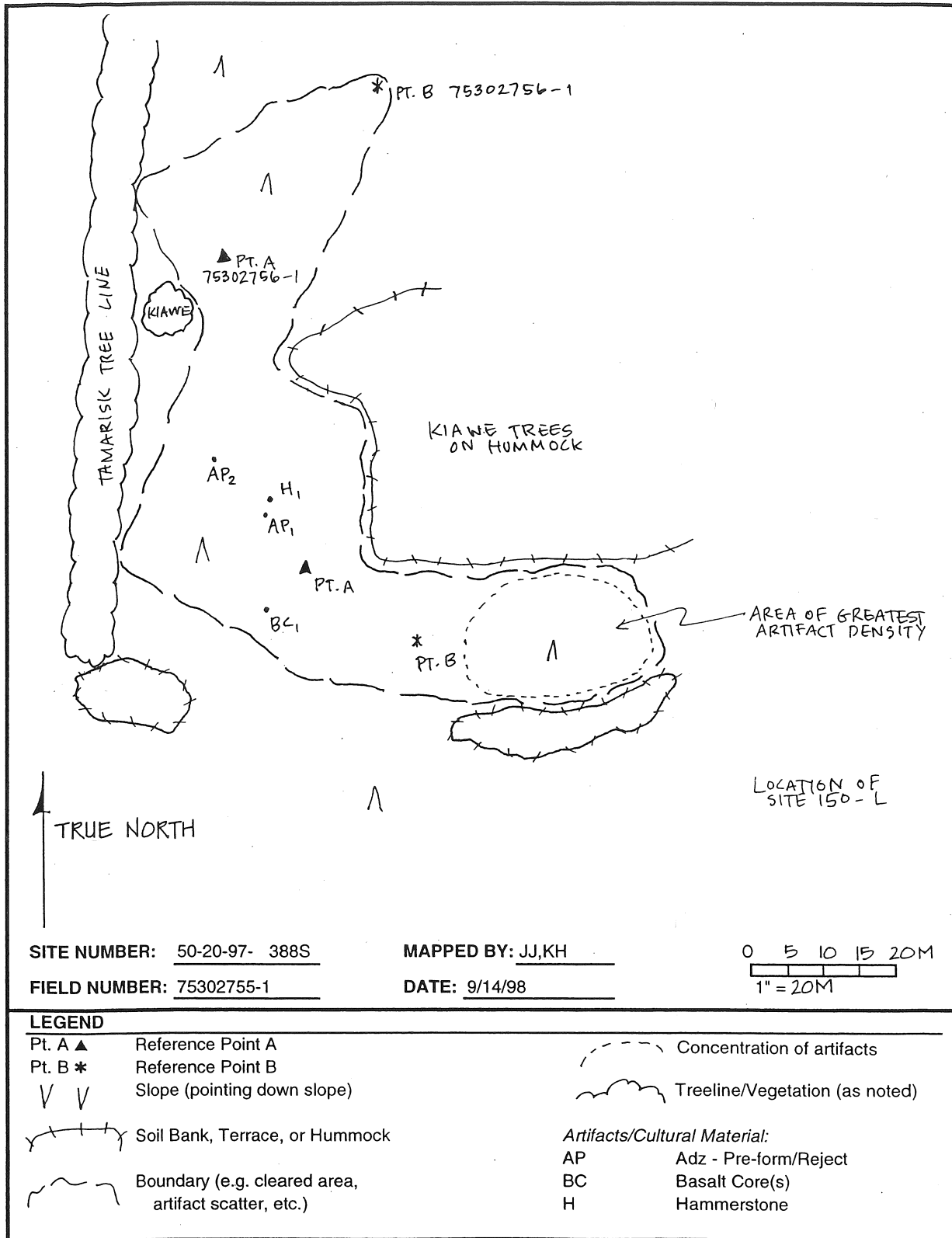
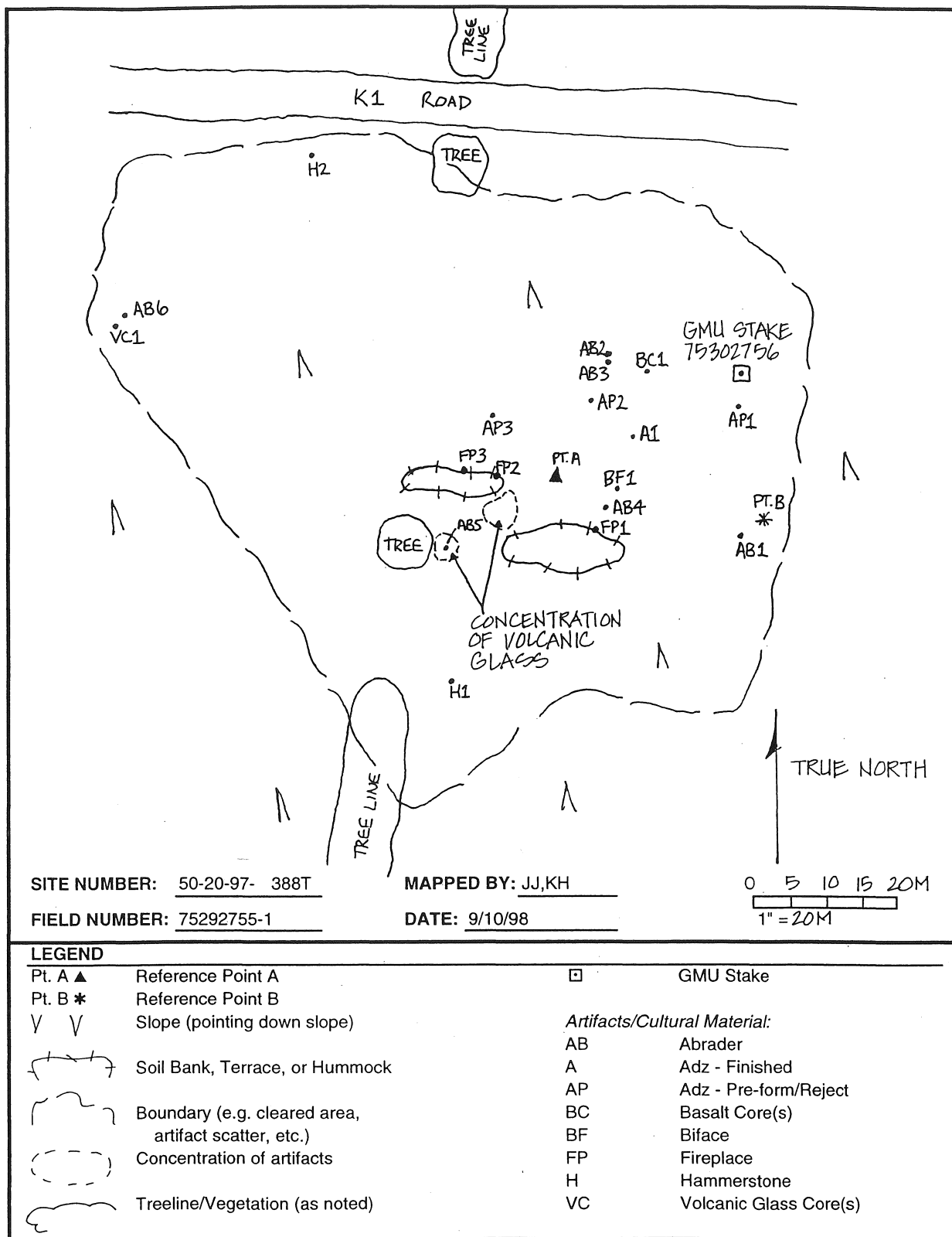


Figure B-149. Site 388, Feature T, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-389	<b>FIELD NO.:</b> 75242749-1
<b>FEATURE:</b> A	<b>GMU:</b> 75242749
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 108 m (L) x 58 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 6264 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Site 389 is a complex of three activity area features located on the southwest slope of Moa`ulanui. The site is situated in a mostly denuded area, with sparse hummocks and vegetation. The site sits at an elevation of approximately 435 m and is within Hommon's Inland Settlement Zone (1980:48). All three features of the site were reidentified within the K-1 Road work area with the use of the photogrammetric maps provided by the Navy (Figure 3-7). The constituent features (A, B, and C) are discussed below.

#### Feature A Description

This feature of Site 389 consists of a high- to low-density scatter of cultural materials listed in the NRHP description, with the addition of the recorded unfinished and finished tools. Artifacts recorded include one adz preform/reject, one hammerstone, two basalt awls, one basalt core, and one coral abrader. The feature is located on the southwestern slope of Moa`ulanui in an area that is highly eroded. Within the feature there are two hummocks and patches of grass, lantana, and *koa haole* growing on shallow soils. Cultural materials are more concentrated in the western end of the feature, where most of the volcanic glass flakes are located. The rest of the site is a low- to very low-density scatter (Figure B-150).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-389	<b>FIELD NO.:</b> 75242749-2
<b>FEATURE:</b> B	<b>GMU:</b> 75242749
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 21 m (L) x 20 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 420 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes	

#### Site Description

Feature B of Site 389 consists of a high- to low-density scatter of fractured basalt, volcanic glass and basalt manufacturing debris flakes and cores, two basalt tool fragments, and one fragment of coral. Artifacts recorded include one basalt awl and one sinker preform. The NRHP Nomination form description is generally accurate, though the mentioned marine shell was not located. A fragment of a waterworn cobble that has a groove on the end, which may be a fragment of a sinker mentioned in the NRHP description was found. The cultural materials are visible on the highly eroded hardpan surface. Approximately 5% to 10% of the site surface area is covered with grass growing on shallow soils. The feature is located next to a hummock, but the materials do not extend to the edge of it (Figure B-151).

Figure B-150. Site 389, Feature A, Plan Map

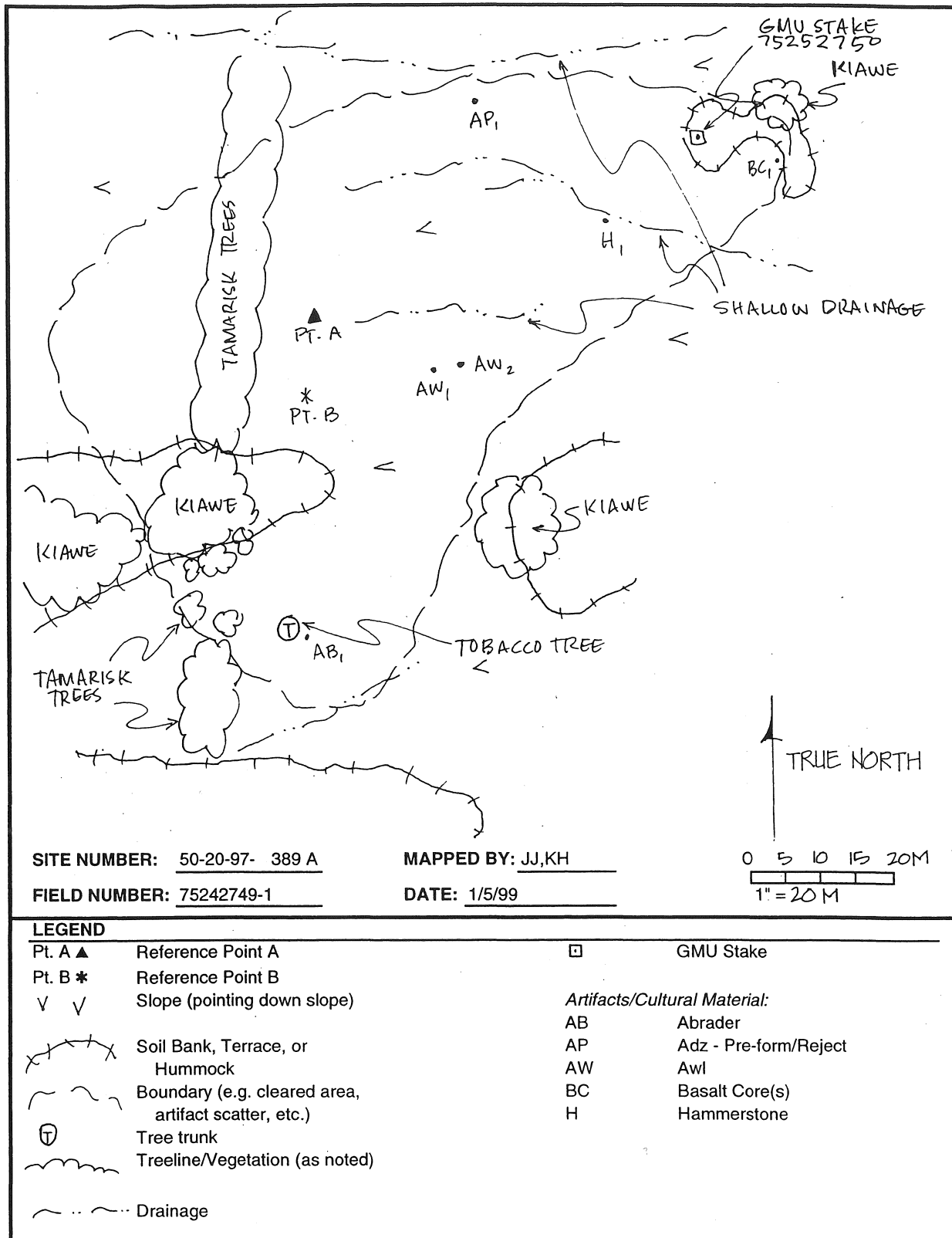
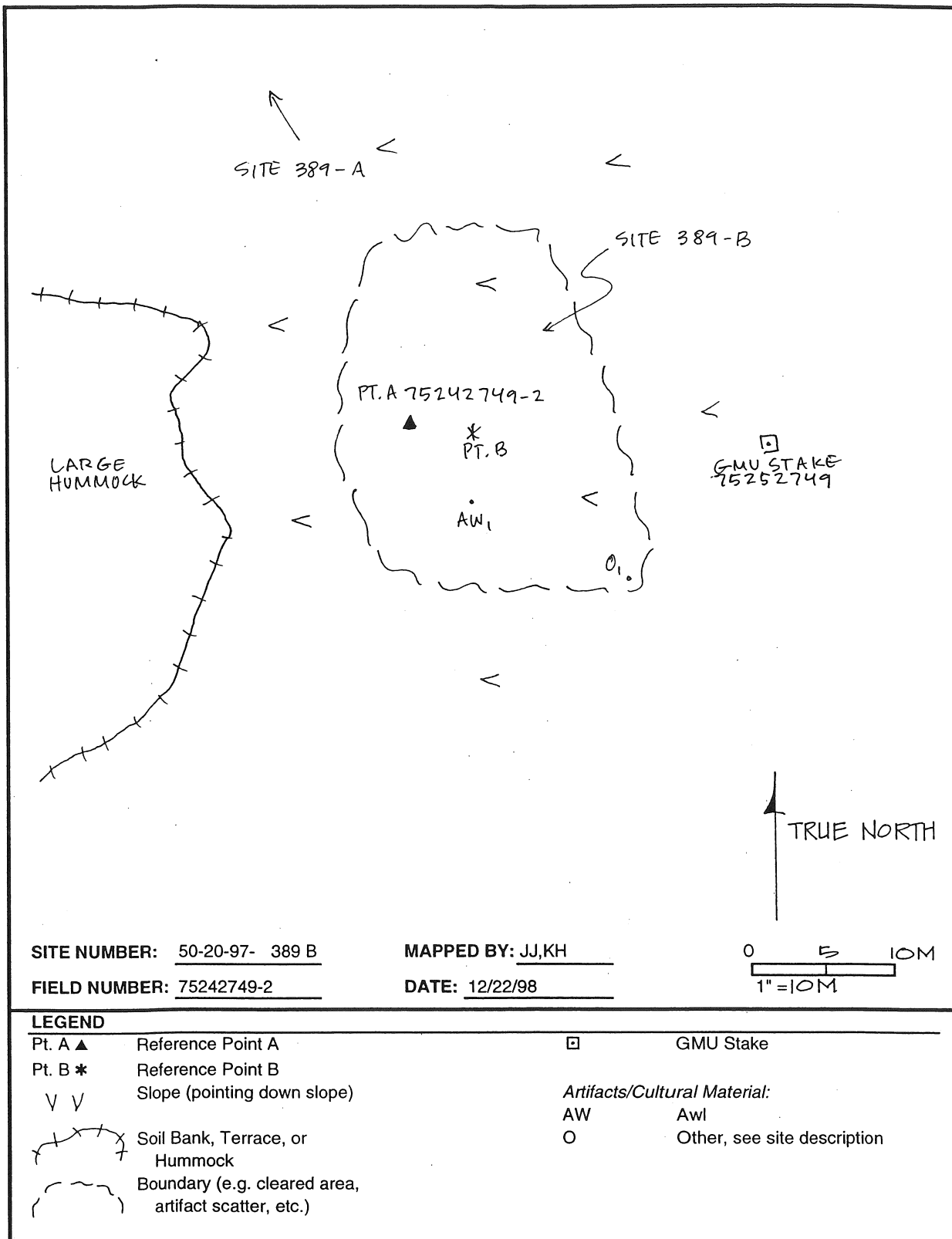




Figure B-151. Site 389, Feature B, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-389	<b>FIELD NO.:</b> 75252748-1
<b>FEATURE:</b> C	<b>GMU:</b> 75252748
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 50 m (L) x 35 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1750 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

Feature 389-C is a low-density cultural material scatter comprised of flakes of volcanic glass and basalt, a few pieces of marine shell midden, one basalt awl (recorded), and fractured basalt. The feature is located on denuded hardpan, with a few scattered clumps of low grass. South of the feature is a substantial hummock that is well vegetated and between two and three meters tall. Between the southern boundary of the site and the large hummock is a small hummock remnant that is linear and oriented north/south (Figure B-152).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-390	<b>FIELD NO.:</b> 75222749-2
<b>FEATURE:</b> A	<b>GMU:</b> 75222749
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 46 m (L) x 15 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 690 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Site 390 is a complex of three activity area features located on the southwestern slope of Moa`ulanui. The site is situated in a mostly denuded area, with a few hummocks and sparse vegetation, adjacent to a large hummock (Figure 3-7). All three features of the site were reidentified within the K-1 Road work area with the use of the photogrammetric maps provided by the Navy and the Site sketch from the NRHP Nomination form. Upon relocation and reidentification of this site, it was determined that the NRHP Nomination form descriptions for features B and C were reversed. The constituent features (A, B, and C) are discussed below.

#### Feature A Description

This feature of Site 390 consists of a low- to high-density scatter of cultural materials listed in the NRHP description, with the addition of the recorded finished and unfinished tools and tool fragments. Artifacts recorded at this feature include two adz preform/rejects, one hammerstone, one coral abrader, and one basalt awl. Cultural materials are highly concentrated in the eastern portion of the site. In this area, there are artifacts that can be seen partially buried in the shallow soils that are grass-covered. Otherwise, materials are visible on the highly eroded hardpan surface. About 35% of the site area is covered with grass growing on shallow soils and a tamarisk tree line windbreak that has been planted through the site (Figure B-153). There is a fair amount of glass and metal fragments at this site that appear to be the result of the explosion of some sort of vehicle to the south (within the boundaries of Feature B of Site 390). There is also a large piece of sheet metal (twisted) that is buried under approximately 30 cm of soil.

Figure B-152. Site 389, Feature C, Plan Map

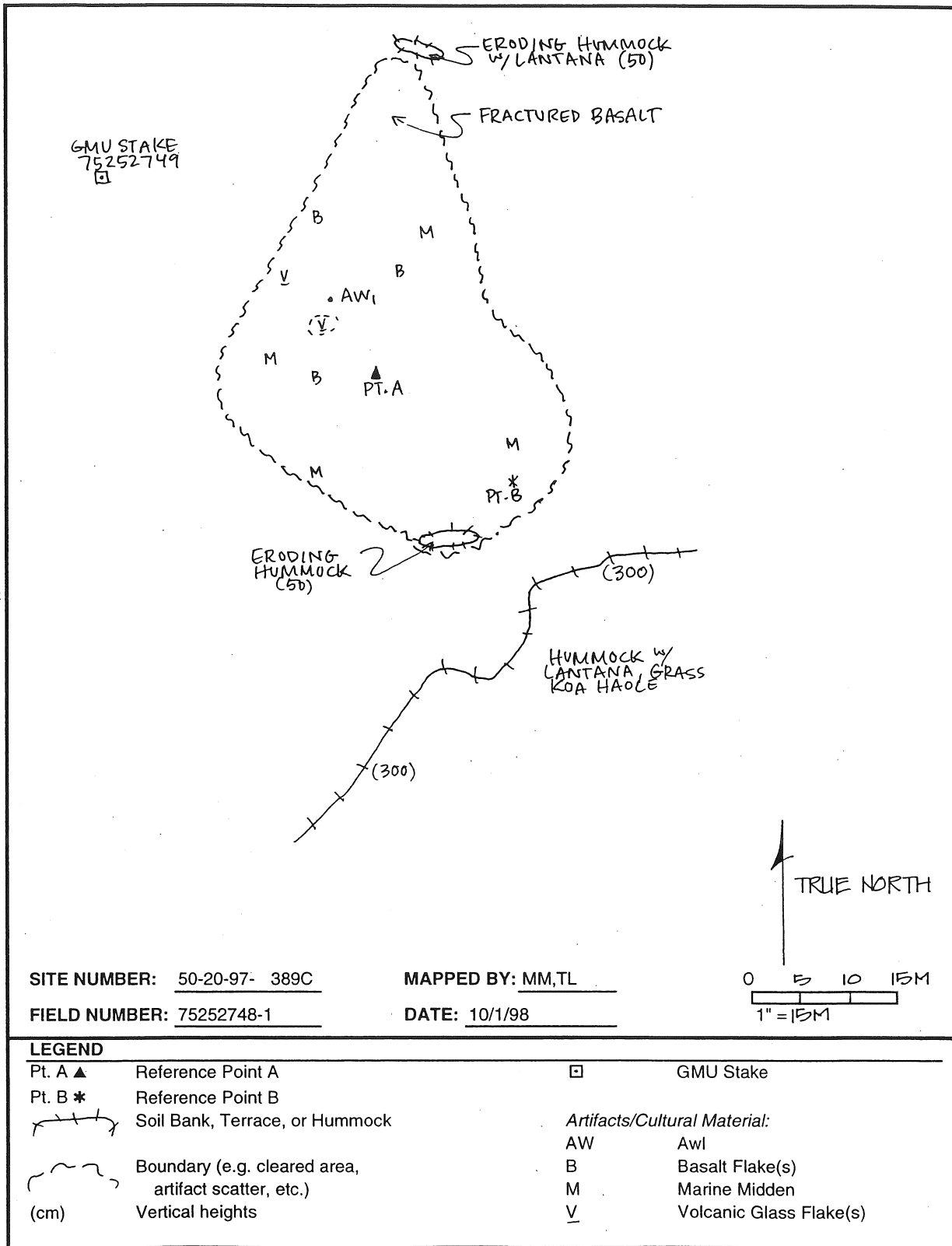
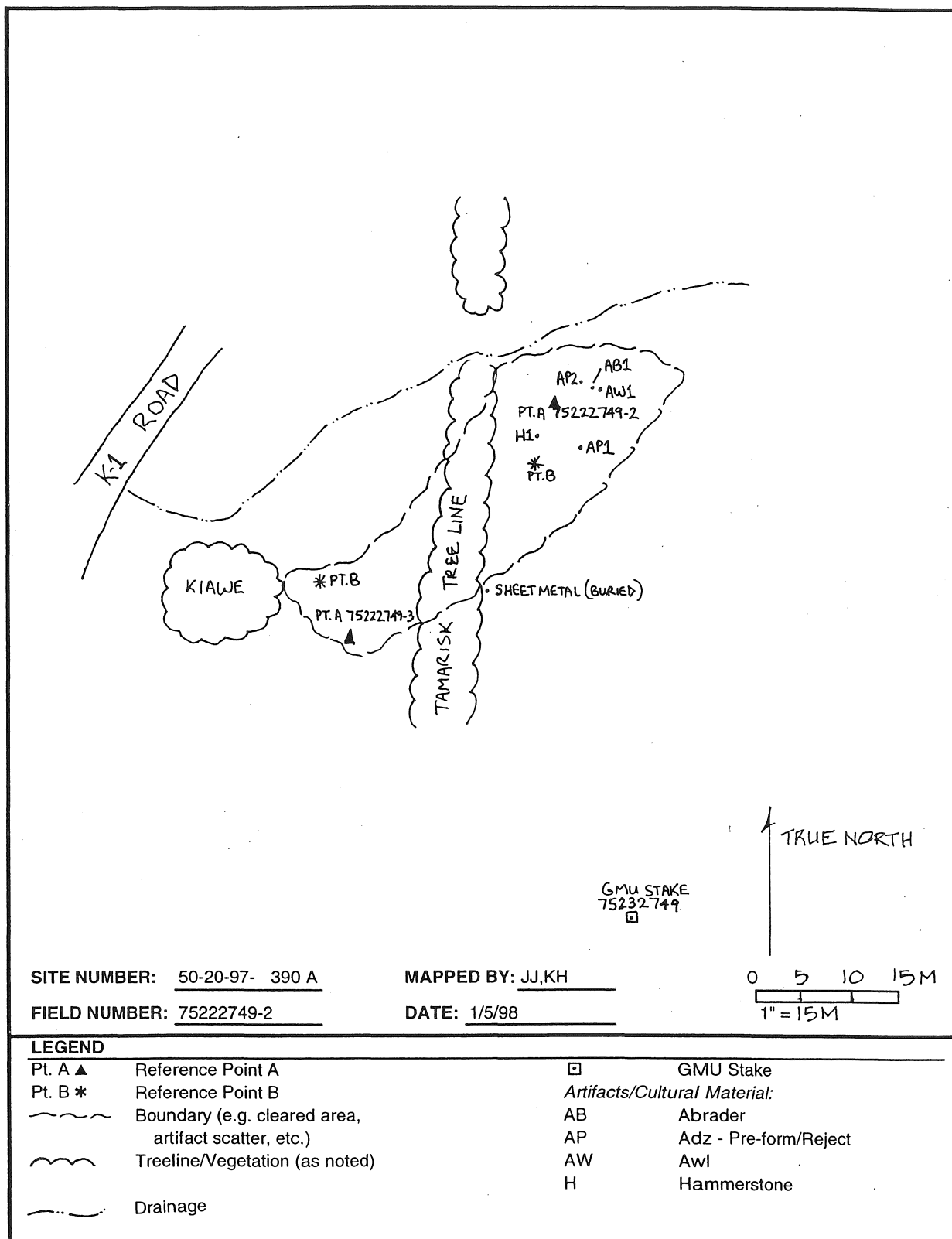


Figure B-153. Site 390, Feature A, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-390	<b>FIELD NO.:</b> 75222748-1
<b>FEATURE:</b> B	<b>GMU:</b> 75222748
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 90 m (L) x 43 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 3870 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Feature B of Site 390 consists of a high- to low-density scatter of fractured basalt, volcanic glass and basalt debitage, head and branch coral fragments, and small amounts of marine shell (*Cellana*, *Cypraea*, and *Thaididae spp*). There is one basalt awl that appears to be unfinished that was recorded. The site is adjacent to a very large hummock, and surrounds several smaller hummocks, one of which has grown over some very old blue flagging tape (Figure B-154). Though the concentration of the cultural materials is mostly low-density, there are few areas where materials are in high-density concentrations. There is an explosive crater in the central portion of the site, measuring 10.3 m in diameter and about 1.0 m deep. There is a lot of debris of glass, metal, and red plastic lens fragments scattered about the site, and there is a heap of twisted metal and ammunition casings in the bottom of the crater. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

<b>SITE NUMBER (SIHP):</b> 50-20-97-390	<b>FIELD NO.:</b> 75222747-1
<b>FEATURE:</b> C	<b>GMU:</b> 75222747
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 46 m (L) x 34 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1564 sq. m

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Fireplace, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 390 consists of a high- to low-density scatter of cultural materials, as listed in the NRHP description for Feature B, though the NRHP map indicates that the feature at this location is Feature C. Cultural materials are highly concentrated around the small hummock, which really only consists of the basalt boulder and cobble remains of a firepit (Figure B-155). A 5 cm thick lens of charcoal is visible within the tumbling rock ring. There is another cluster of large cobbles and small boulders to the west of the fire-hearth that may also be the remains of another firepit. Artifacts recorded at this feature include one adz preform/reject, one hammerstone, three basalt cores, and four coral abraders. The planting of a tamarisk tree-line windbreak has disturbed the eastern portion of this feature. The feature is located on the southwestern slope of Moa`ulanui near a large hummock, in an area with several hummocks. Cultural materials are visible on eroded hardpan surface, and approximately 40% of the surface of the feature consists of small hummocks and shallow soil patches.

Figure B-154. Site 390, Feature B, Plan Map

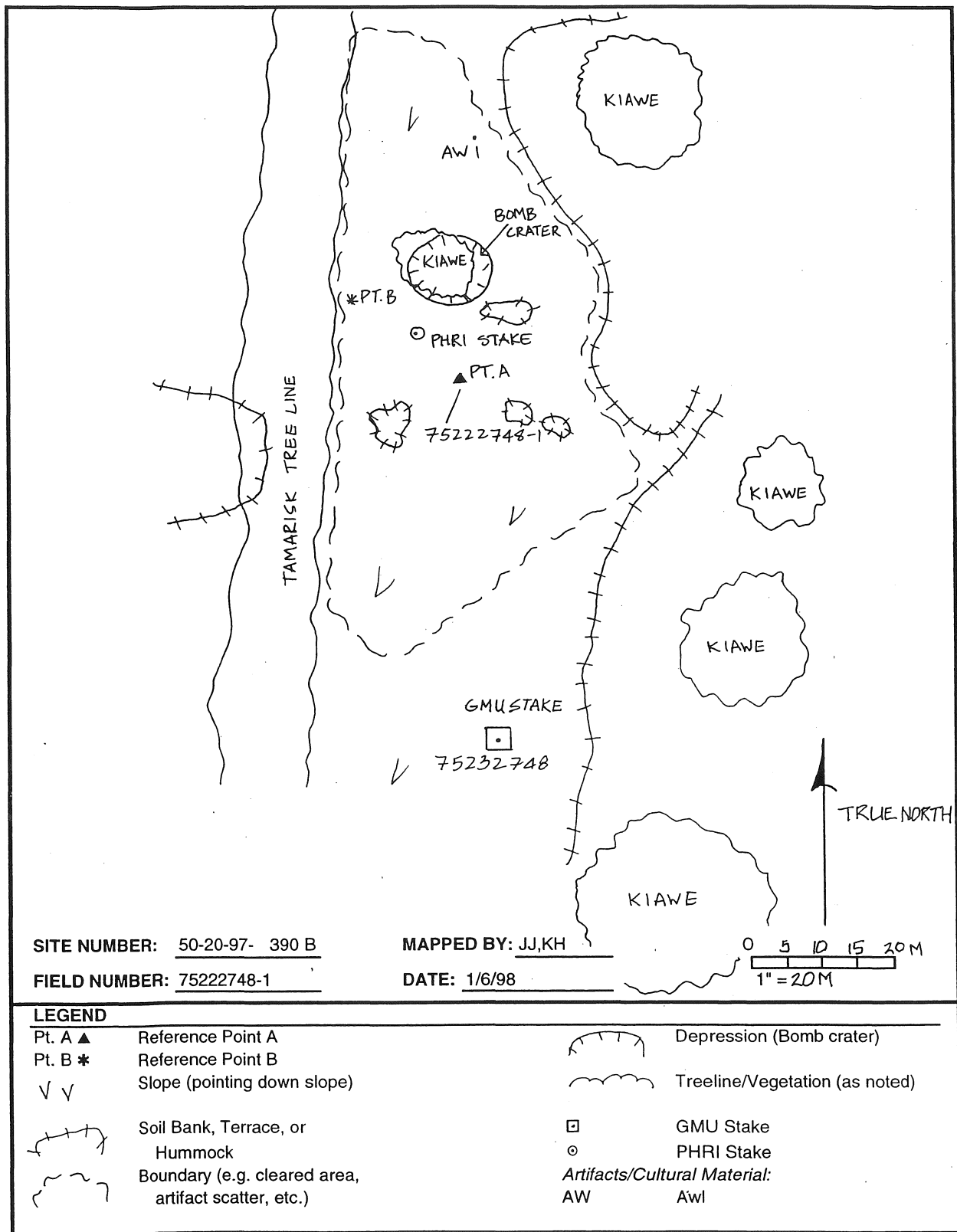
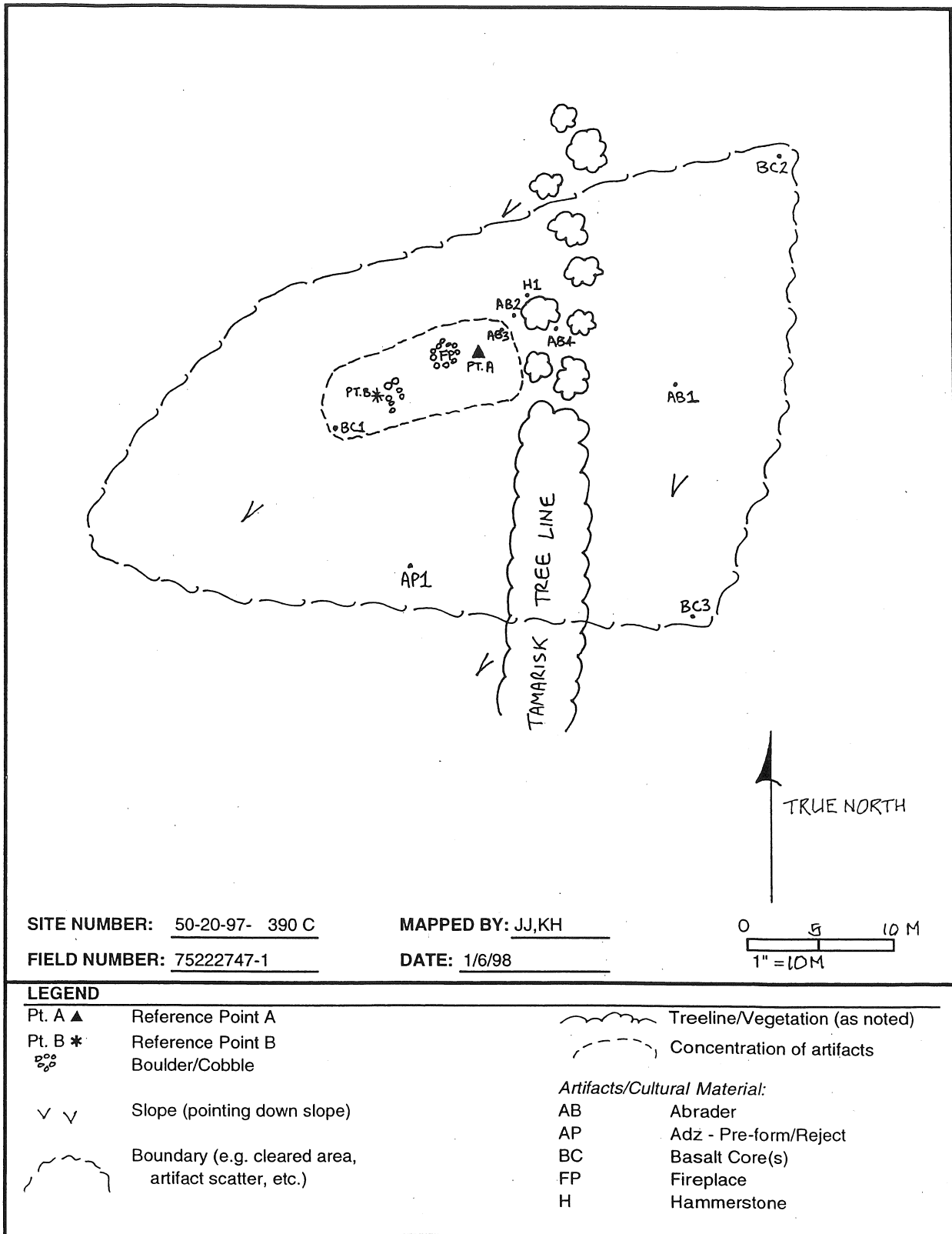


Figure B-155. Site 390, Feature C, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-391

**FEATURE:** A

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75202746-1

**GMU:** 75202746

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** > 100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 95 m (L) x 55 m (W)

**SITE AREA:** Approx. 5225 sq. m

**Site Description**

Site 391 is a complex of four activity area features located on the southwestern slope of Moa`ulanui near the eastern side of K-1 Road. The site is situated in a mostly denuded area, with scattered patches of vegetated shallow soils (Figures 3-5c and 3-7). All four features of the site were reidentified within the K-1 Road work area with the use of the photogrammetric maps provided by the Navy. The constituent features (A through D) are discussed below.

**Feature A Description**

This feature of Site 391 consists of a generally low-density scatter of fractured basalt, manufacturing debris flakes and cores of basalt, a few coral fragments, and fragments of marine shell (*Thaididae*, *Cypraea*, and *Cellana spp.*). Artifacts recorded include four adz preform/rejects, four bifaces, and two basalt cores. The scatter includes three distinct concentrations of fractured basalt that are in very close proximity. Quantities of the other cultural materials are very limited. The site is located on the southwestern slope of Moa`ulanui, situated up-slope of a cluster of large boulders and a huge *kiawe* thicket. Cultural materials are visible on eroded hardpan, which comprises about 70% of the site surface area; the remainder consists of grass, salt bush, and lantana growing on patches of shallow soils. A windbreak of tamarisk trees has been planted through the site since originally defined. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature (Figure B-156).

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**SITE NUMBER (SIHP):** 50-20-97-391

**FEATURE:** B

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75212747-1

**GMU:** 75212747

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 33 m (L) x 22 m (W)

**SITE AREA:** Approx. 726 sq. m

**Site Description**

Feature B of Site 391 consists of a low- to medium-density scatter of fractured basalt, manufacturing debris flakes and cores of basalt, one volcanic glass core, several fragments of brain coral, a few small fragments of marine shell (*Thaididae* and *Cellana spp.*); and basalt tools and fragments. Artifacts recorded include one adz preform/reject, three basalt awls, one hammerstone, and one volcanic glass core. Materials are in generally low- and very low-density concentrations. Cultural materials are visible on the eroded hardpan that comprises about 60% of the site surface area. The remainder consists of grass and salt bush growing on isolated patches of shallow soils. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature (Figure B-157).



Figure B-156. Site 391, Feature A, Plan Map

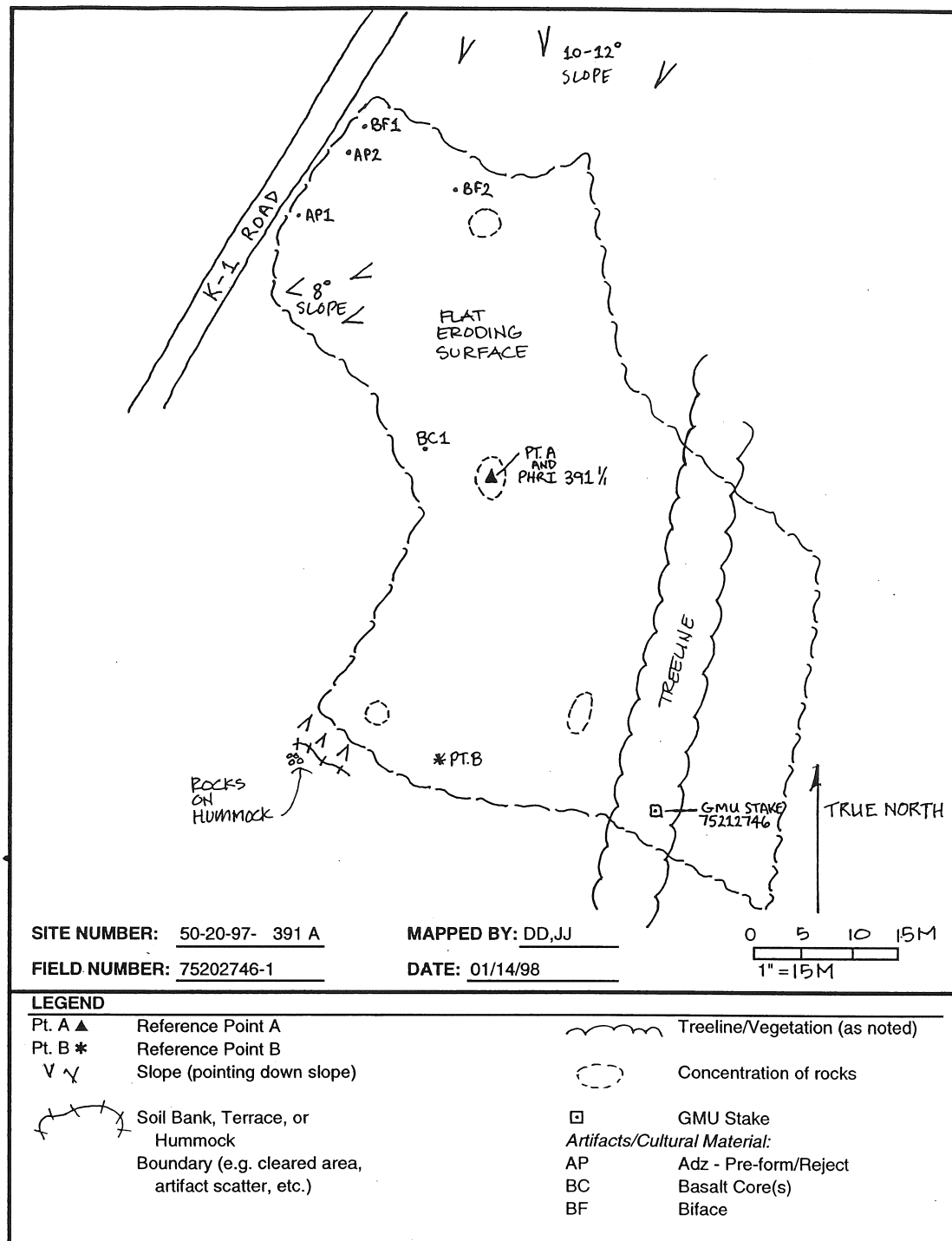
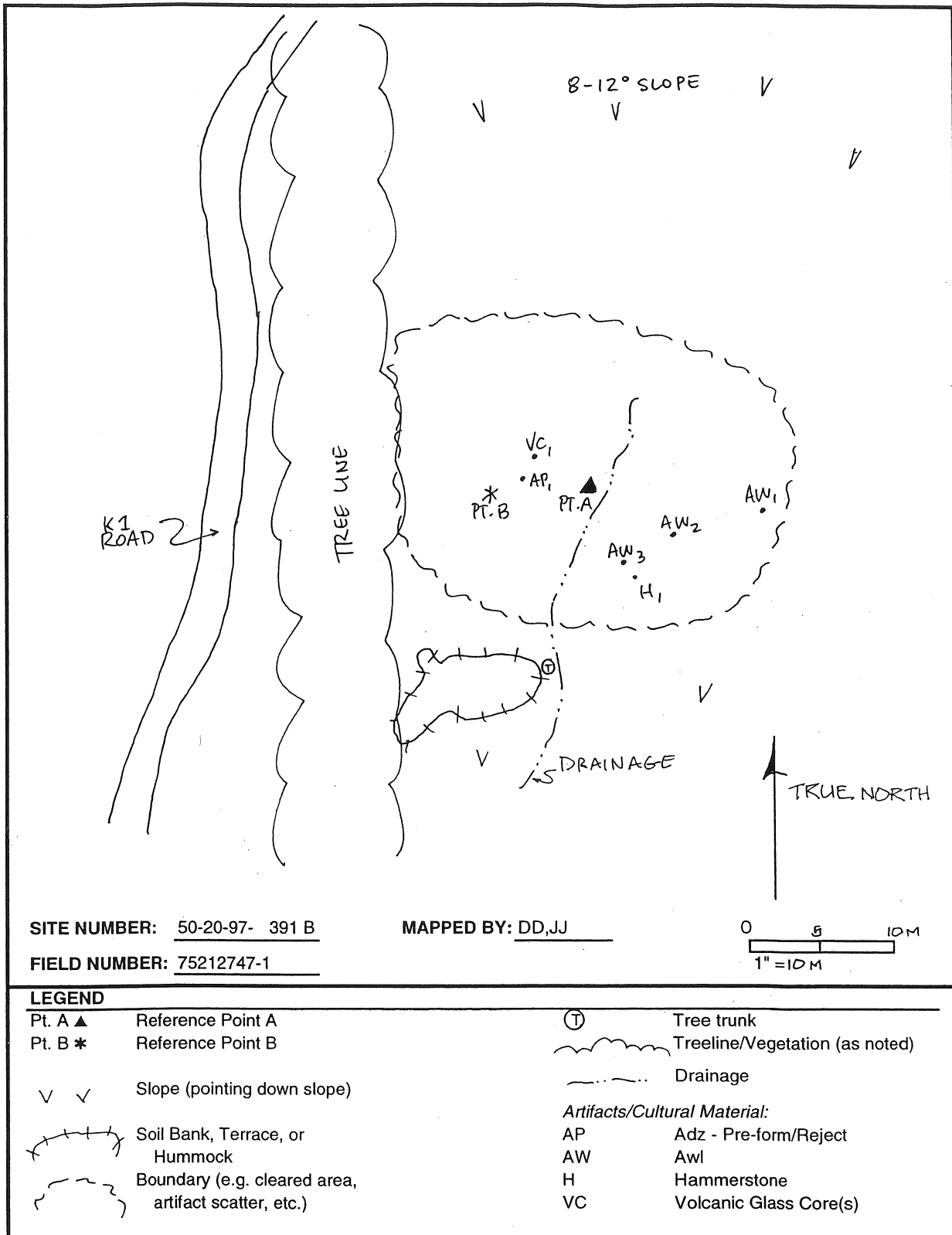


Figure B-157. Site 391, Feature B, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-391  
**FEATURE:** C  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75212748-1  
**GMU:** 75212748  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 28 m (L) x 20 m (W)  
**SITE AREA:** Approx. 560 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 391 consists of a high- to low-density scatter of mostly fractured basalt, basalt debitage, and one specimen of an eroded augur shell. Materials are very densely concentrated in the central portion of the site, and density decreases rapidly toward the site perimeter. This feature is situated adjacent to the southeast side of K-1 Road. Approximately 60% the ground surface of the feature consists of eroded hardpan, with the remainder being grass-covered patches of soil, up to about 25 cm deep. The highest concentration of cultural materials is within and around one of these soil areas (Figure B-158).

**SITE NUMBER (SIHP):** 50-20-97-391  
**FEATURE:** D  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75202747-2  
**GMU:** 75202747  
**WORK AREA:** K-1 Road  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 40 m (L) x 35 m (W)  
**SITE AREA:** Approx. 1400 sq. m

Fractured Basalt, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Feature D of Site 391 consists of a high- to low-density scatter of fractured basalt, manufacturing debris flakes and cores of basalt and volcanic glass, coral fragments, marine shell midden, and intact cultural deposits eroding out of two small hummocks. Artifacts recorded include two adz preform/rejects, one basalt core, one volcanic glass core, and one basalt biface. The hummocks have been cut by K-1 Road (the southeast side), where the cultural deposits can be seen to be intact (Figure B-159). Most of the cultural materials are visible on the eroded hardpan surface that comprises approximately 70% of the feature surface area; the rest consists of grass-covered patches of shallow soil and the aforementioned hummocks. Cultural materials are very highly concentrated near the hummocks and on the northwest side of K-1 Road, near the road edge. This area included most of the materials, and the density of volcanic glass cores is very high. The cultural deposits in the hummocks consist of very dark brown soil with basalt flakes, shell fragments, and a lot of fractured basalt. The top of the deposit is approximately 10 cm below the surface of the hummock and is at least 10 cm thick (Figure B-159).

Figure B-158. Site 391, Feature C, Plan Map

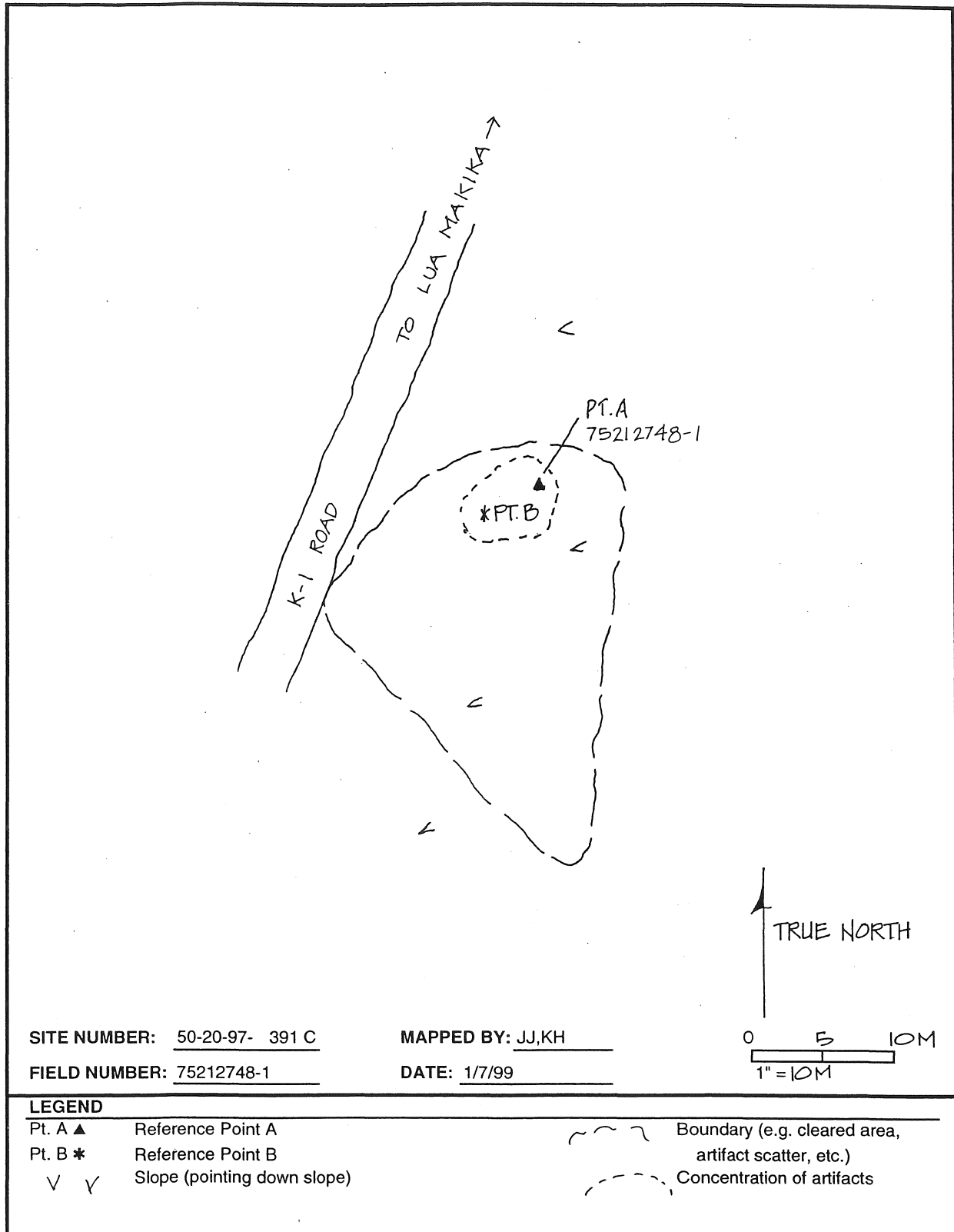
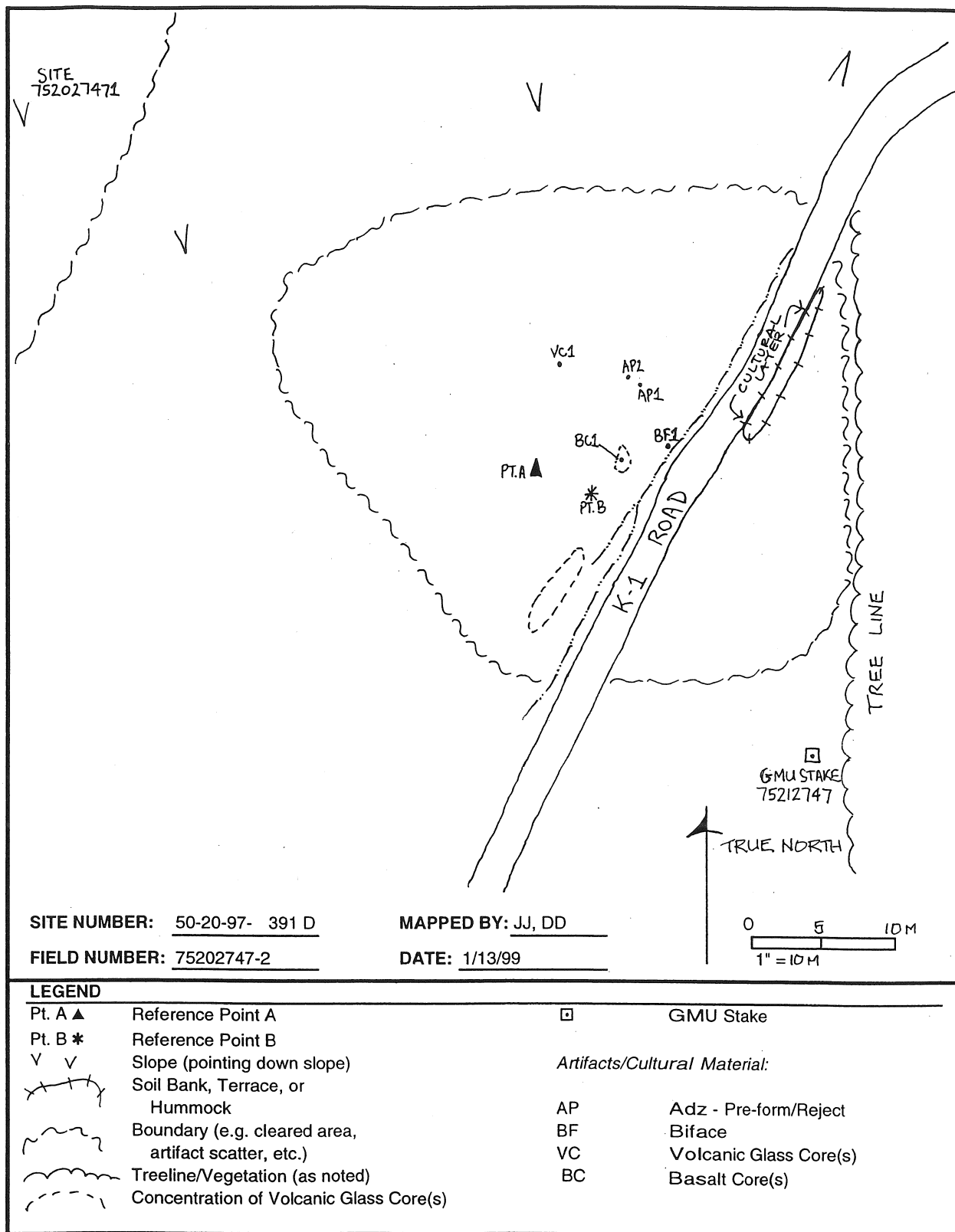


Figure B-159. Site 391, Feature D, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-392	<b>FIELD NO.:</b> 75222746-1
<b>FEATURE:</b> B	<b>GMU:</b> 75222746
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 37 m (L) x 22 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 814 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Site 392 is a complex of five activity area features located on the southwestern slope of Moa`ulanui. The site is situated in a mostly denuded area, with scattered patches of vegetated shallow soils (Figures 3-5c and 3-7). Features B, D, and E of the site were reidentified within the K-1 Road work area with the use of the photogrammetric maps provided by the Navy. Feature C was not reidentified, although a concerted effort was made to find this feature in the location indicated by the photogrammetric maps. Feature A is located outside the boundaries of the K-1 Road work area. Features B, D, and E are discussed below.

#### Feature B Description

This feature of Site 392 consists of a scatter of cultural materials listed in the NRHP description, with the addition of a coral fragment, a basalt biface, and basalt core fragments. Artifacts recorded include two basalt cores, and one basalt biface. The cultural materials are visible on the eroded hardpan surface that comprises approximately 50% of the feature surface area. The other half is covered with dense vegetation growing on isolated patches of shallow soils. Cultural materials are highly concentrated in places, but scatter density decreases rapidly toward the southern boundary of the feature (Figure B-160).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-392	<b>FIELD NO.:</b> 75222746-2
<b>FEATURE:</b> D	<b>GMU:</b> 75222746
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> K-1 Road
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 43 m (L) x 29 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1247 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature D of Site 392 consists of a low- to medium-density scatter of fractured basalt, basalt flakes and cores, and marine midden. Shell species observed include *Cypraea*, *Thaididae* and *Cellana spp.* Artifacts recorded at this feature include three hammerstones, two basalt cores, one coral abrader, and one basalt scraper. Cultural materials are most highly concentrated near the center of the feature, and scatter density decreases rapidly toward the perimeter. Cultural materials are visible on the eroded hardpan surface that comprises approximately 80% of the feature surface area. The remainder is covered with grass growing on isolated patches of shallow soil. A windbreak line of tamarisk trees has been planted through the western half of the site (Figure B-161).

Figure B-160. Site 392, Feature B, Plan Map

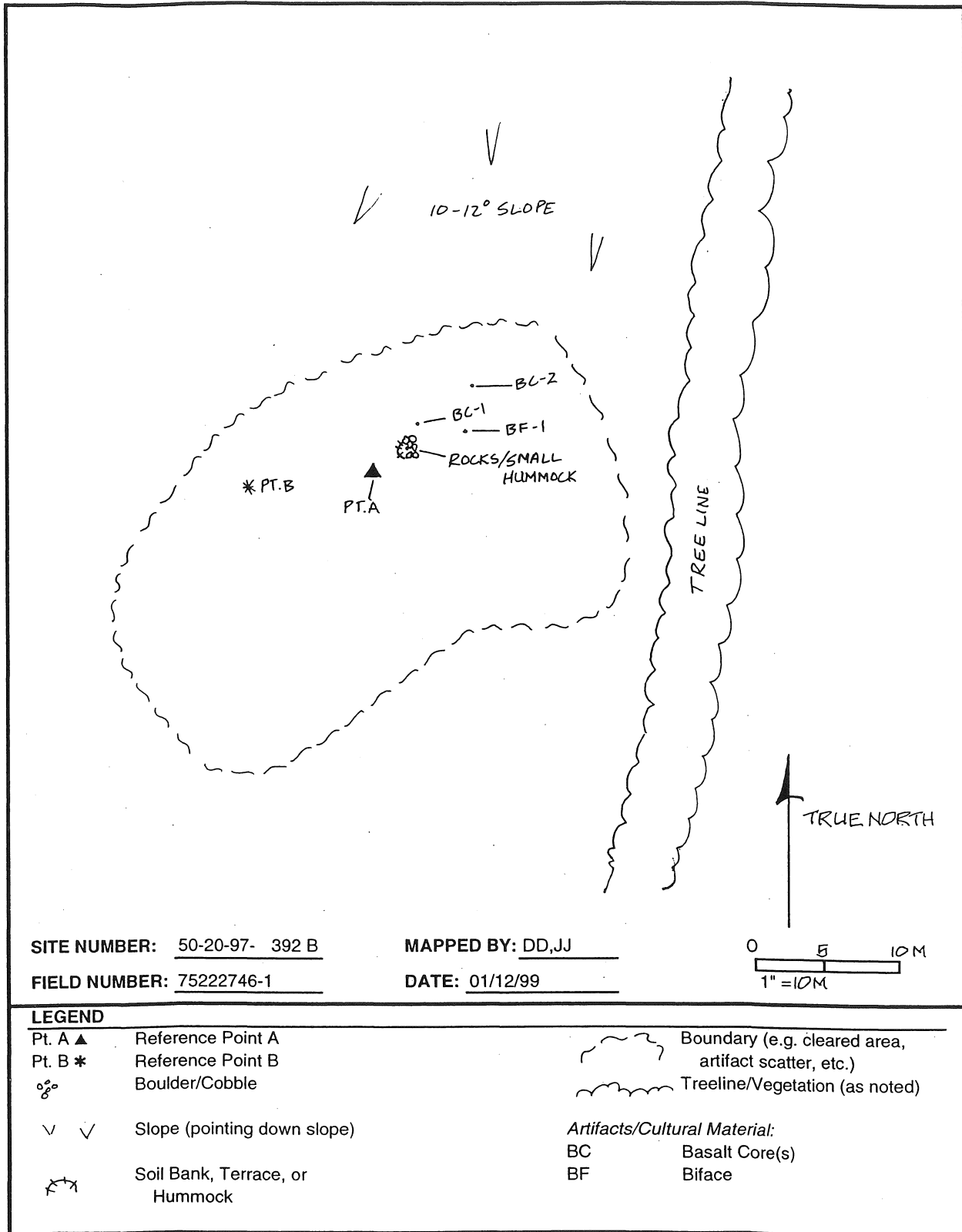
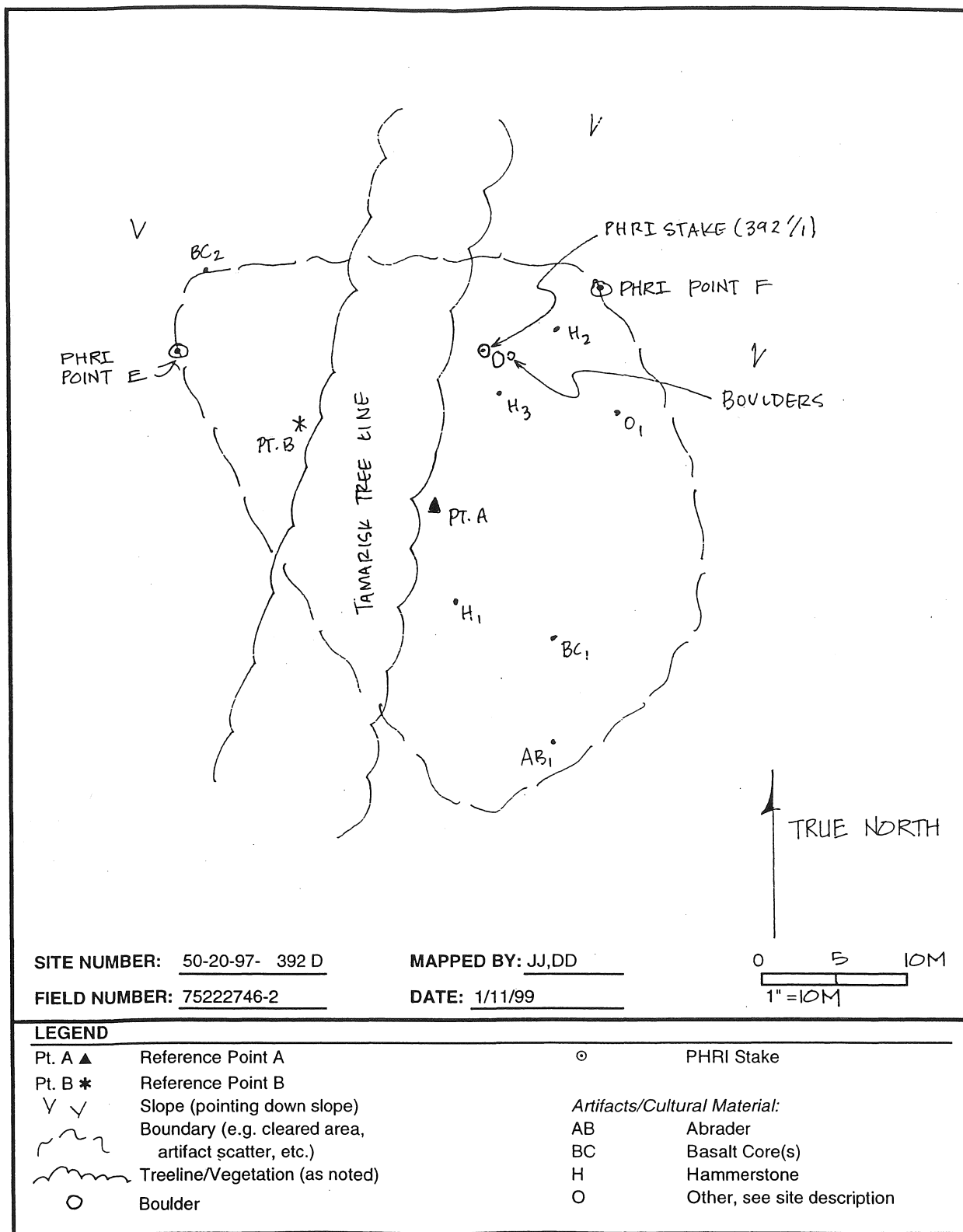


Figure B-161. Site 392, Feature D, Plan Map





**SITE NUMBER (SIHP):** 50-20-97-392

**FEATURE:** E

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75232746-1

**GMU:** 75232746

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** > 100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 66 m (L) x 28 m (W)

**SITE AREA:** Approx. 1848 sq. m

**Site Description**

Feature E of Site 392 consists of a mostly low-density scatter of fractured basalt, flakes and cores of basalt and volcanic glass, basalt tools and tool fragments, a few fragments of coral, and marine shell midden (*Thaididae*, *Cypraea*, *Cellana*, and *Cassis spp.*). Artifacts recorded include three adz preform/rejects, one basalt awl, one coral abrader, two basalt cores, one volcanic glass core, one biface, and two miscellaneous artifacts. Cultural materials are visible on the highly eroded hardpan surface that comprises approximately 70% of the site surface area. The remainder consists of grass and lantana growing on isolated patches of shallow soils. The site is located on the southwestern slope of Moa'ulanui, on the west side of a gully that may feed into the upper portion of Kanaloa Gulch (Figure B-162).

**SITE NUMBER (SIHP):** 50-20-97-393

**FEATURE:** A

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

**FIELD NO.:** 75232747-2

**GMU:** 75232747

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 21 m (L) x 8 m (W)

**SITE AREA:** Approx. 168 sq. m

**Site Description**

Site 393 is a complex consisting of seven activity area features located on the southwestern slope of Moa'ulanui. The site is situated in a mostly denuded area, with hummocks and scattered patches of vegetated shallow soils (Figure 3-7). One of the hummocks has a *wiliwili* (*Erythrina spp.*) tree growing on it. Features A, B, D, and E of the site were reidentified within the Lua Makika and K-1 Road work areas with the use of the photogrammetric maps provided by the Navy. Feature C is located outside the Task Order 7 work areas. Features F and G were not relocated. Feature F may have been included with the recording of Feature C of Site 389. The planted tree-line windbreak in the vicinity may have destroyed feature G. The reidentified constituent features (A, B, D, and E) are discussed below.

**Feature A Description**

Feature A of Site 393 consists of a very low-density scatter of fractured basalt, manufacturing debris flakes of basalt and volcanic glass, a small basalt flake core fragment, one piece of coral, and marine shell midden. Shell species include *Thaididae*, *Cypraea*, and *Cellana spp.* The feature materials are scattered adjacent to the north side of a small eroding hummock that has had a line of tamarisk trees planted over it – likely impacting the site (Figure B-163). All cultural materials are visible on the eroded hardpan surface that comprises the entire surface of the site. No artifacts were observed directly adjacent to the hummock, so it was not included within the site boundaries.

Figure B-162. Site 392, Feature E, Plan Map

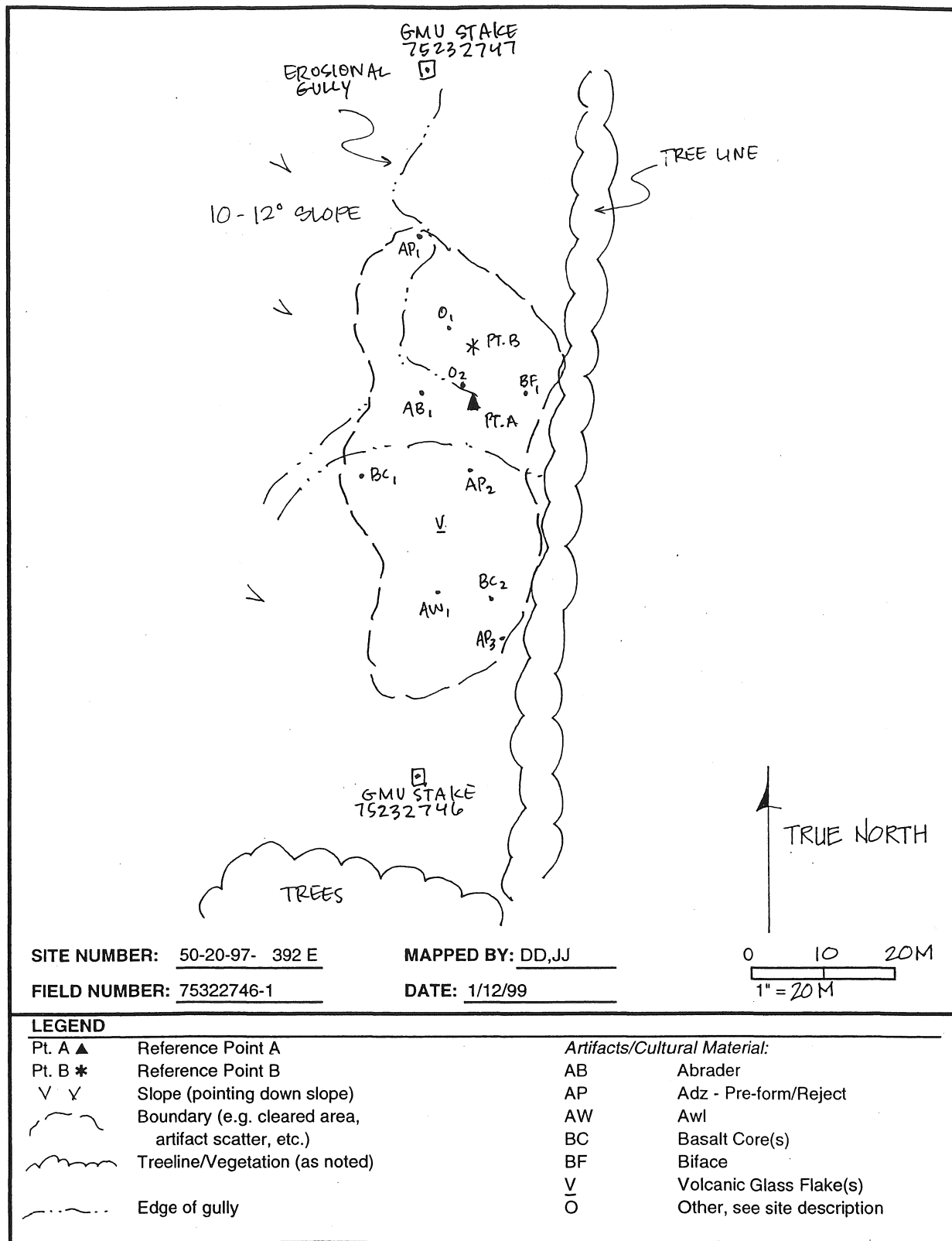


Figure B-163. Site 393, Feature A, Plan Map

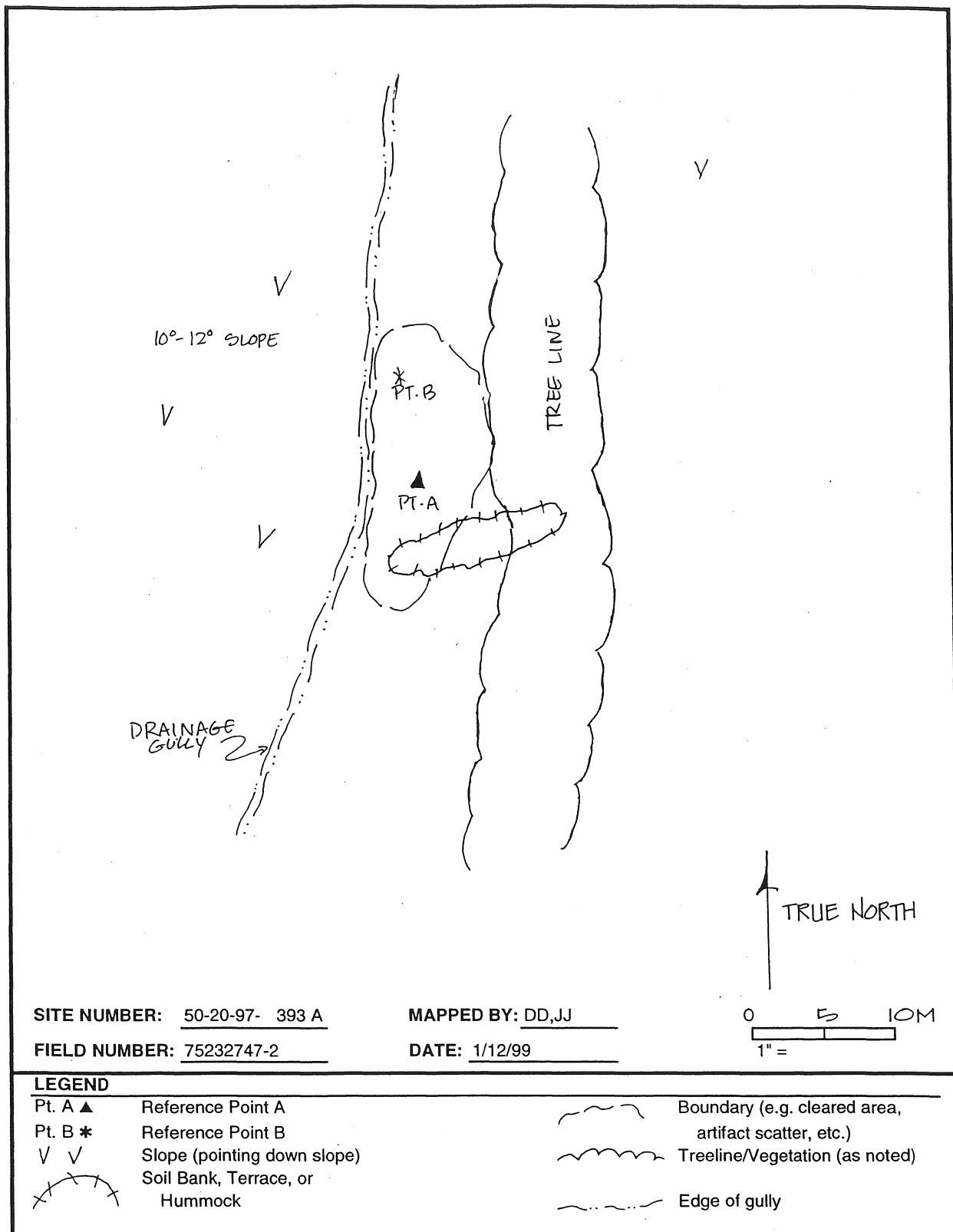
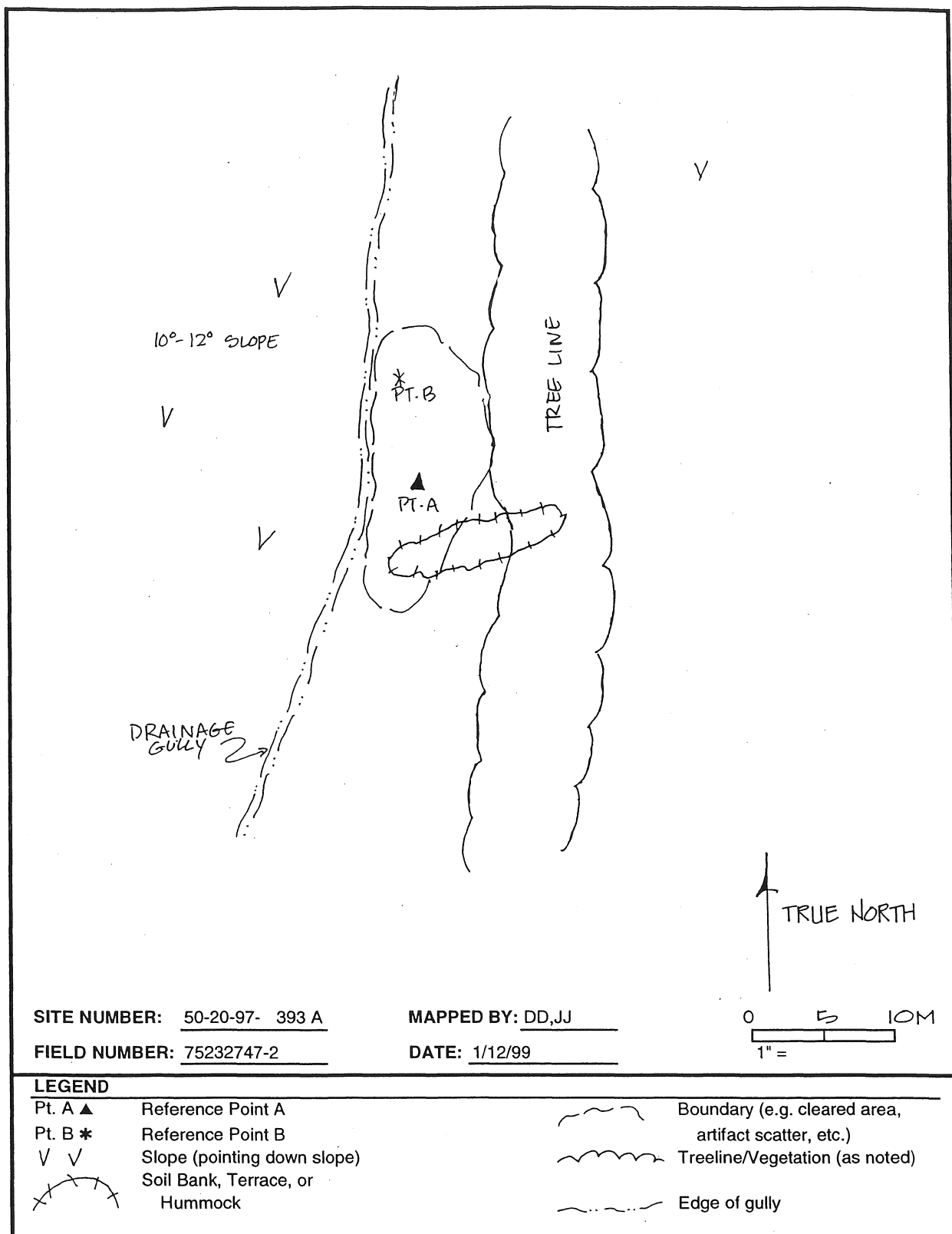


Figure B-163. Site 393, Feature A, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-393

**FEATURE:** B

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Finished Adz, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75232747-1

**GMU:** 75232747

**WORK AREA:** K-1 Road

**CULTURAL MATERIAL QUANTITY:** > 100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 138 m (L) x 50 m (W)

**SITE AREA:** Approx. 6900 sq. m

**Site Description**

This site consists of a medium- to generally low-density scatter of cultural materials adjacent to a large hummock and surrounding several other small hummocks. Cultural materials include fractured basalt, volcanic glass and basalt flakes and cores, basalt tools, tool fragments, unfinished tool fragments, coral fragments, a few waterworn cobbles; and marine midden (*Thaididae*, *Cypraea*, and *Cellana spp*). Artifacts recorded at this feature include five adz preform/rejects, two hammerstones, four basalt cores, one basalt abrader, four basalt awls, one basalt scraper, three bifaces, and one miscellaneous artifact. Cultural materials are visible on the hardpan surface that comprises about 80% of the site surface area. Two windbreak lines of tamarisk trees have been planted through the western and eastern portions of the site. The boundaries of the feature have been slightly extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature (Figure B-164).

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**SITE NUMBER (SIHP):** 50-20-97-393

**FEATURE:** D

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Artifacts, Other Artifacts, Basalt Flakes

**FIELD NO.:** 75252747-2

**GMU:** 75252747

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 39 m (L) x 31 m (W)

**SITE AREA:** Approx. 1209 sq. m

**Site Description**

This feature of Site 393 consists of a low-density scatter of cultural materials listed in the NRHP description. Artifacts recorded include one hammerstone and one biface. Materials are visible on the eroded hardpan that comprises over 90% of the site surface. The feature is situated adjacent to a small eroding hummock and contains small patches of grass-covered soil. The boundaries of the feature have been extended beyond the original NRHP definition to include more of the low-density scatter of cultural materials around the central portion of the feature (Figure B-165).

Figure B-164. Site 393, Feature B, Plan Map

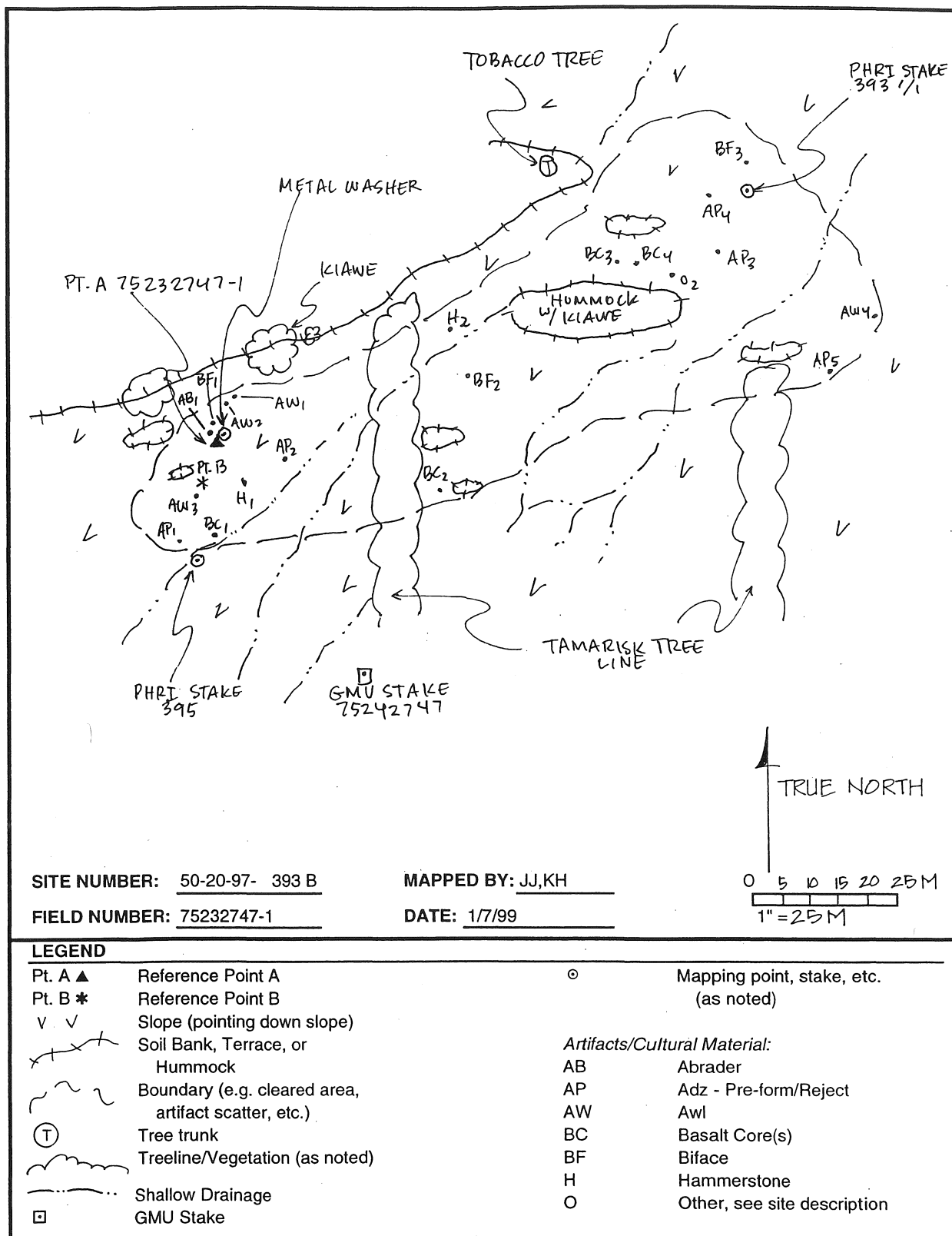
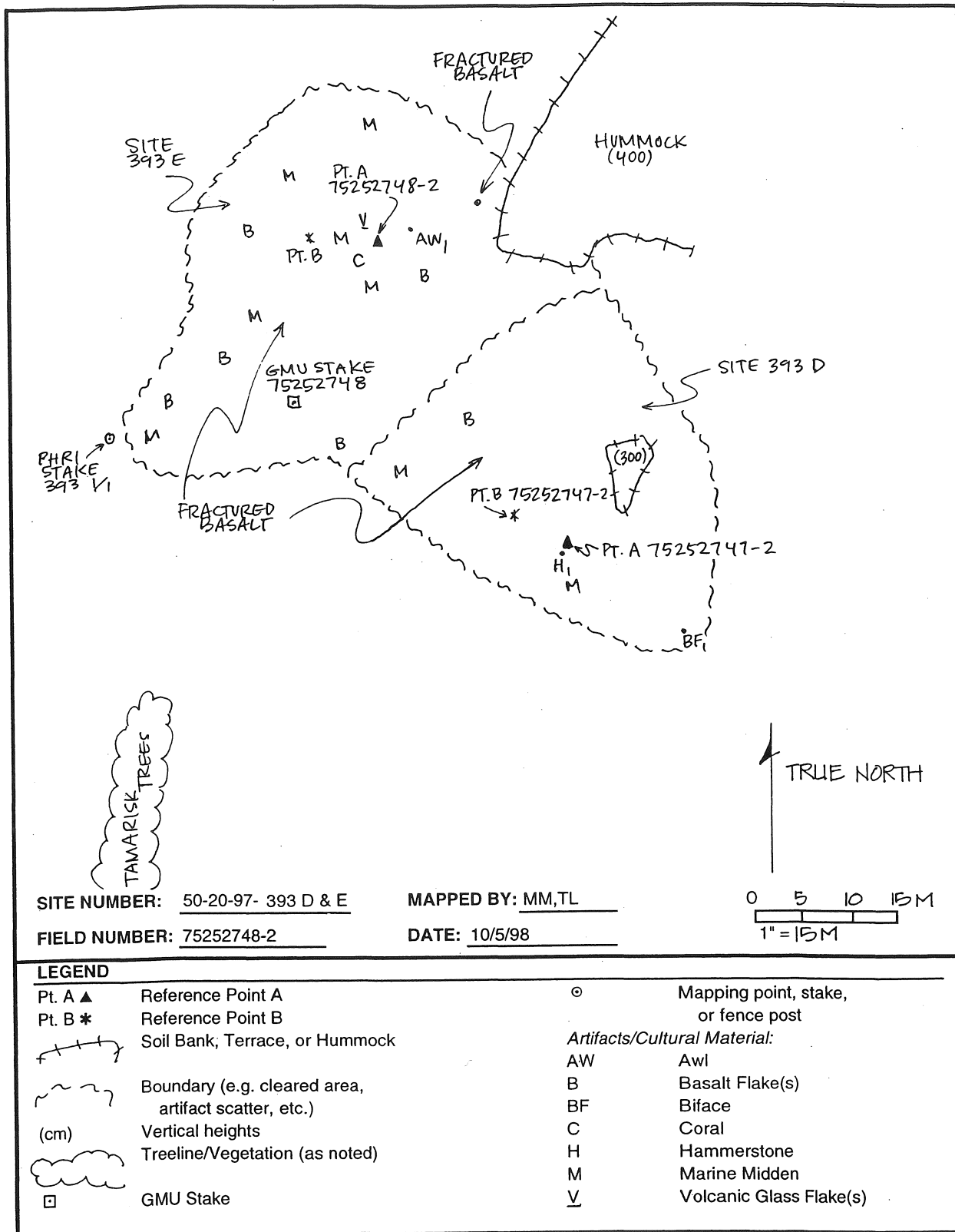


Figure B-165. Site 393, Features D and E, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-393

**FEATURE:** E

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

**FIELD NO.:** 75252748-2

**GMU:** 75252748

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 49 m (L) x 33 m (W)

**SITE AREA:** Approx. 1617 sq. m

**Site Description**

Feature E of Site 393 is a low-density scatter of fractured basalt, a few pieces of marine shell midden, and basalt and volcanic glass flakes. One basalt awl also was found and recorded at the feature. The feature is situated on mostly denuded hardpan adjacent to an eroding hummock. The only vegetation within the feature consists of isolated clumps of low grass growing on shallow soils. The boundaries of the feature have been extended beyond the original NRHP definition to include more of the low-density scatter of cultural materials around the central portion of the feature (Figure B-165).

**SITE NUMBER (SIHP):** 50-20-97-394

**FEATURE:** A

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Polished Flakes from Finished Adzes, Volcanic Glass, Basalt Flakes, Marine Midden

**FIELD NO.:** 75262749-1

**GMU:** 75262749

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 60 m (L) x 46 m (W)

**SITE AREA:** Approx. 2760 sq. m

**Site Description**

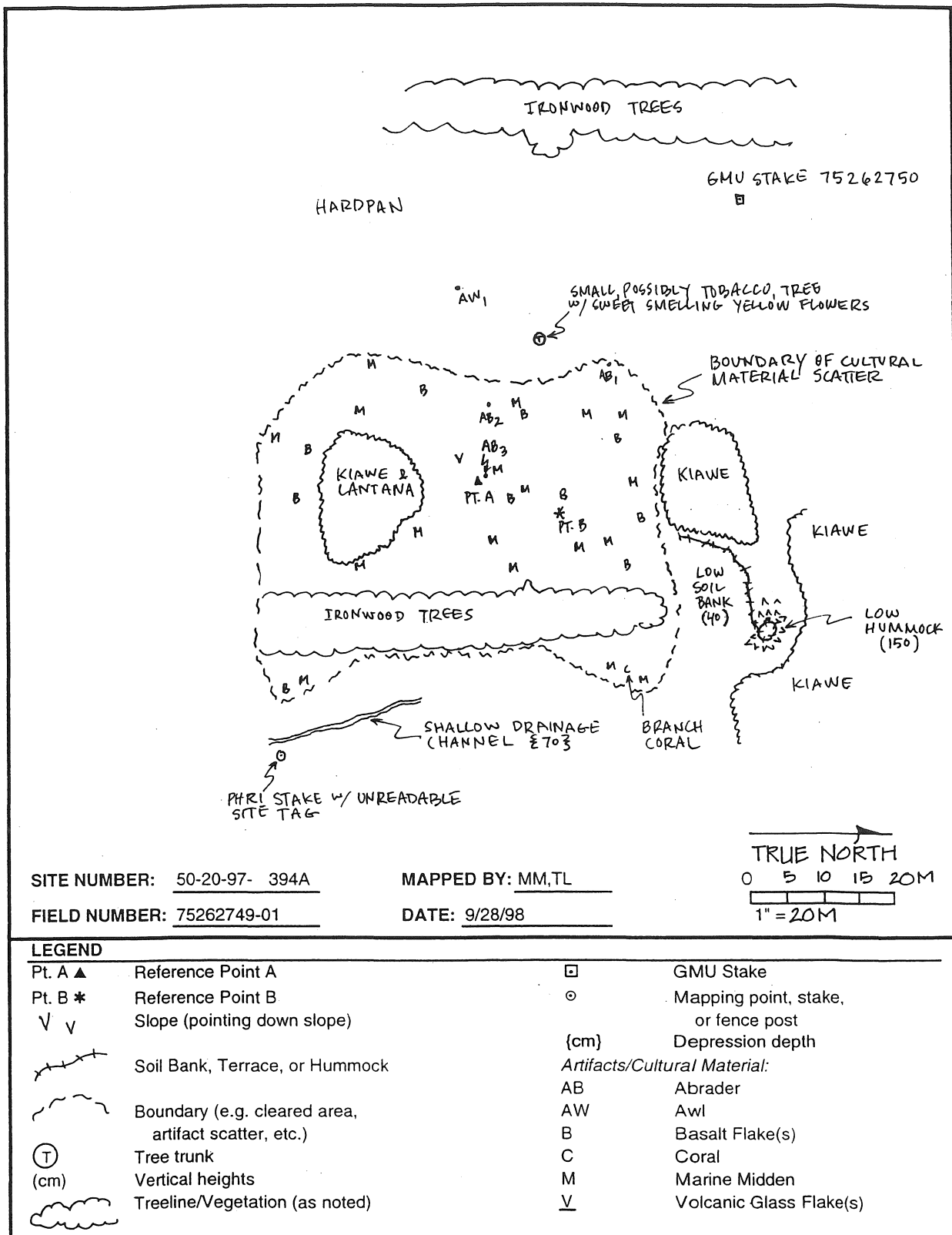
Site 394 is a complex consisting of 13 activity area features located on the southwestern slope of Moa'ulanui. The site is situated in a mostly denuded area, with hummocks and scattered patches of vegetated shallow soils. The northern portion of the site is adjacent to a large area of intact soil (hummock) vegetated with grass and *kiawe* trees (Figure 3-7). All features of the site, except Features B and L, were reidentified within the Lua Makika work areas with the use of the photogrammetric maps provided by the Navy. Feature B appears to have been destroyed by the planting of a tree-line windbreak. Feature L may have been obscured by the plowing and planting of grass in the area as a part of the CERL revegetation prescription project (see letter dated 13 October 1989 from P.W. Hiller [PACDIV] to William Paty [DLNR]).

**Feature A Description**

Feature A of Site 394 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. Cultural materials include fractured basalt, volcanic glass and basalt flakes, one polished adz flake, and one basalt awl and three coral abraders that were recorded. Waterworn cobbles, fragments of head and branch coral, and marine midden were also recorded. The feature is located on the hardpan, with one low soil bank or hummock located in the northeast corner of the site. Vegetation in the area includes *kiawe* trees, unknown grasses, *koa haole*, lantana and a tamarisk tree windbreak (Figure B-166).



Figure B-166. Site 394, Feature A, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-394

**FEATURE:** C

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75262750-1

**GMU:** 75262750

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 95 m (L) x 70 m (W)

**SITE AREA:** Approx. 6650 sq. m

**Site Description**

Feature C of Site 394 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, except for some of the basalt artifacts specifically mentioned. Cultural materials include fractured basalt, volcanic glass and basalt flakes, and basalt and coral artifacts. Artifacts recorded include one hammerstone, four coral abraders, two volcanic glass cores, and one basalt scraper. Waterworn cobbles, fragments of head and branch coral, and marine midden were also noted. There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. The feature is located on the hardpan, though part of the ground surface is covered with grass. There is one small hummock in the middle of the feature and another one located near the northern boundary of the site. Vegetation in the area includes *kiawe* trees, unknown grasses, *koa haole*, lantana and a tamarisk and ironwood tree windbreak (Figure B-167).

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**SITE NUMBER (SIHP):** 50-20-97-394

**FEATURE:** D

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75262751-3

**GMU:** 75262751

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Medium

**SITE DIMENSIONS:** 48 m (L) x 26 m (W)

**SITE AREA:** Approx. 1248 sq. m

**Site Description**

Feature D of Site 394 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. Artifacts recorded consist of three hammerstones. There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. The feature is located on the hardpan, though a large part of the ground surface is covered with grass. Vegetation in the area includes *kiawe* trees, unidentified grasses, lantana, tobacco trees, and a tamarisk tree windbreak. The feature as recorded is somewhat smaller than originally defined, which may be due, in part, to the extensive grass cover that most likely developed since the original survey was completed (Figure B-168).

Figure B-167. Site 394, Feature C, Plan Map

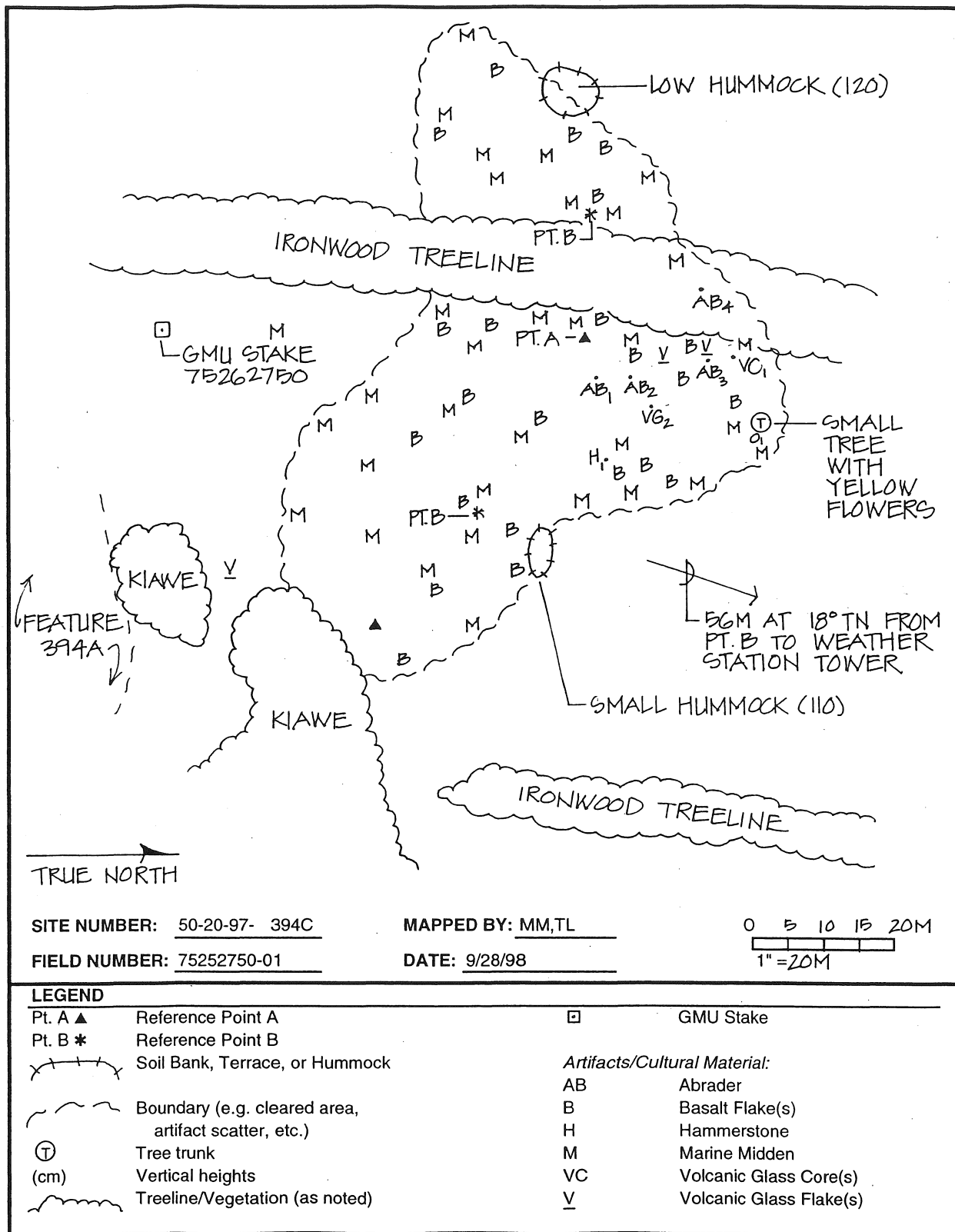
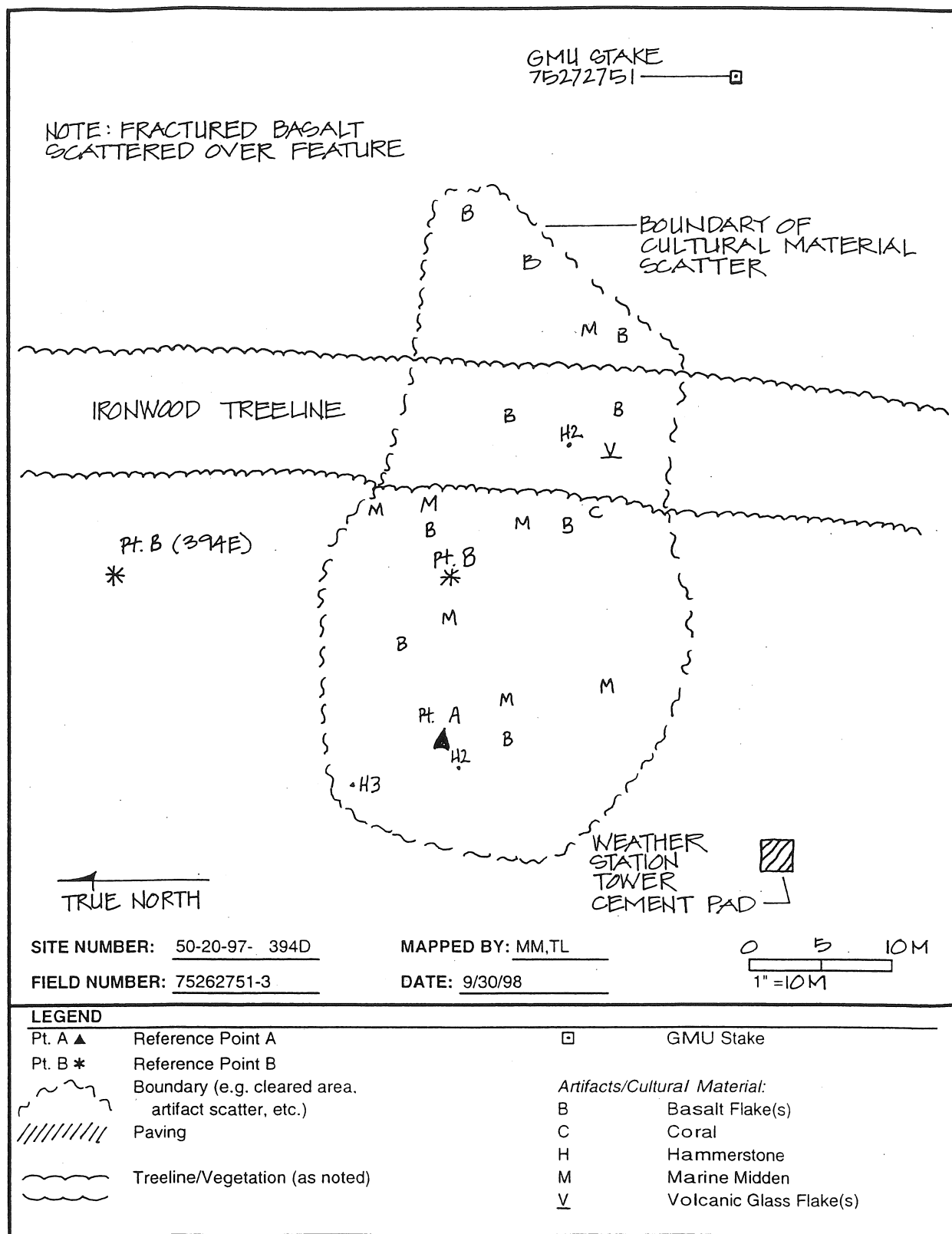


Figure B-168. Site 394, Feature D, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-394  
**FEATURE:** E  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75262751-1  
**GMU:** 75262751  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 38 m (L) x 20 m (W)  
**SITE AREA:** Approx. 760 sq. m

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Flakes, Marine Midden

#### Site Description

Feature E of Site 394 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, although the *Cypraea spp.* remains were not observed. Artifacts recorded include one adz preform/reject and one basalt awl. The feature is located on the hardpan, though a large part of the ground surface is covered with grass. Vegetation in the area includes *kiawe* trees, unidentified grasses, lantana, tobacco trees, and a tamarisk tree-line windbreak (Figure B-169).

**SITE NUMBER (SIHP):** 50-20-97-394  
**FEATURE:** F  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75262751-4  
**GMU:** 75262751  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 20 m (L) x 10 m (W)  
**SITE AREA:** Approx. 200 sq. m

Fractured Basalt, Basalt Flakes, Marine Midden

#### Site Description

This feature of Site 394 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the exception of the volcanic glass flakes and cores. Additional materials observed include a few fragments of head coral. The feature is situated on the hardpan, though a portion of the ground surface is covered with low grass growing on shallow soil. Vegetation in the area includes *kiawe* trees, unidentified grasses, and lantana. A tamarisk tree-line windbreak was planted where the western boundary of the site is now (Figure B-170). The feature as recorded is smaller than originally defined, which may be due to the planting of the tamarisk tree-line windbreak.

**SITE NUMBER (SIHP):** 50-20-97-394  
**FEATURE:** G  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

**FIELD NO.:** 75262751-2  
**GMU:** 75262751  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 40 m (L) x 40 m (W)  
**SITE AREA:** Approx. 1600 sq. m

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

#### Site Description

Feature G of Site 394 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the exception of the adz preform that was not relocated. One hammerstone was recorded. The feature is located at the northeast end of a linear hummock. Feature 394-J is located at the opposite end of the same hummock (Figure B-171) that is heavily vegetated by *kiawe*, grasses and lantana. The hardpan immediately around the hummock is denuded, becoming more vegetated with grass and lantana, further away from the hummock. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

Figure B-169. Site 394, Feature E, Plan Map

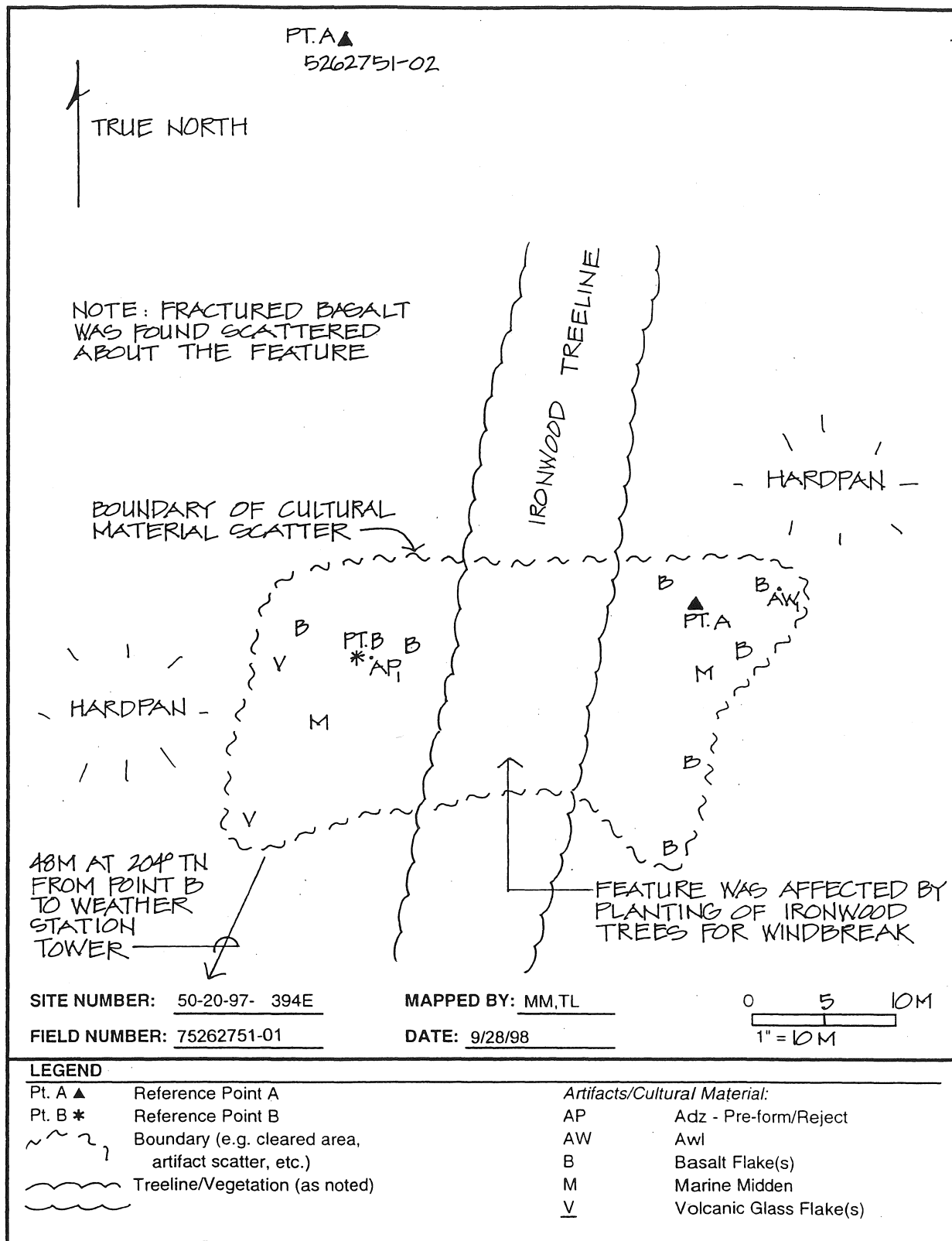


Figure B-170. Site 394, Features F and K, Plan Map

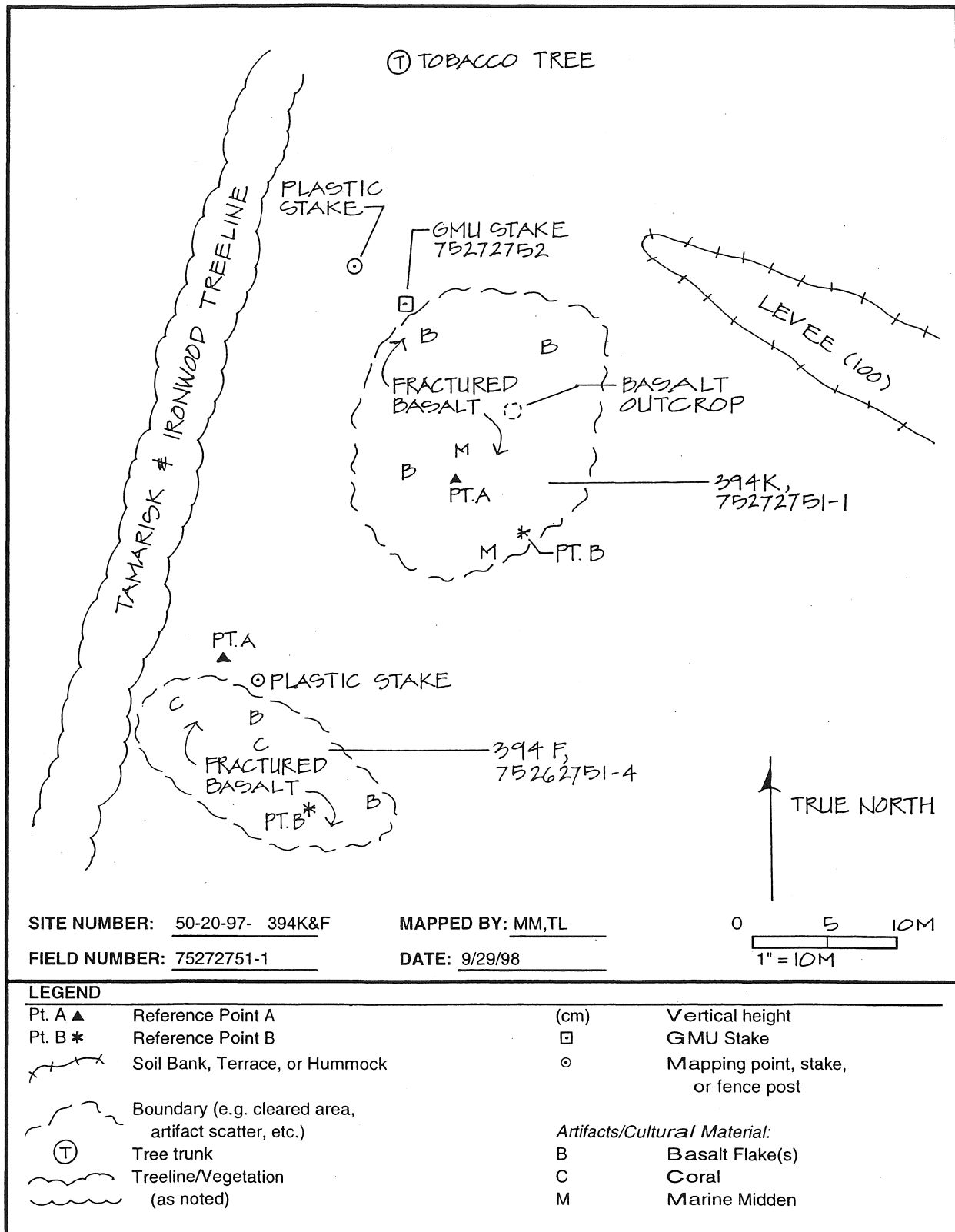
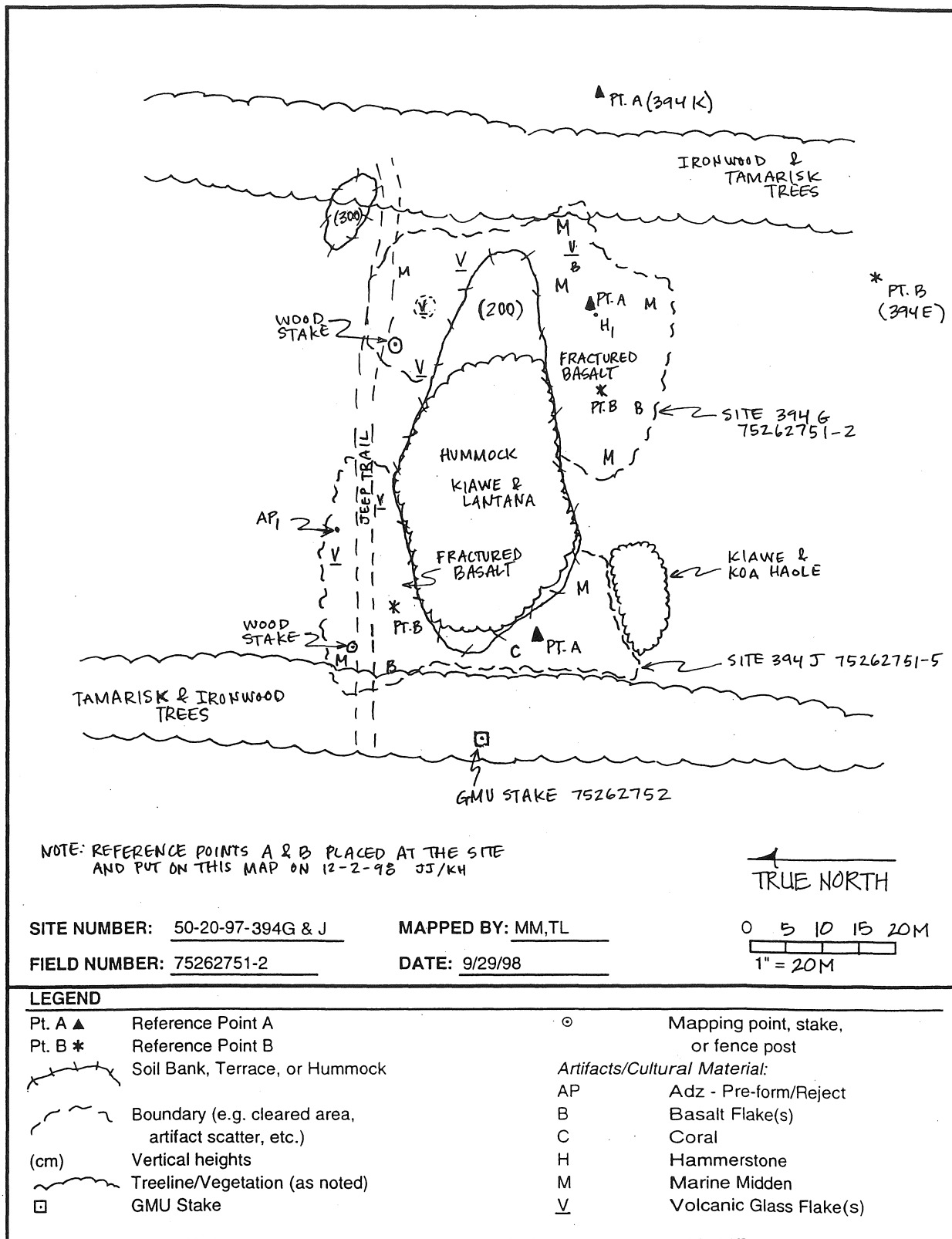


Figure B-171. Site 394, Features G and J, Plan Map





**SITE NUMBER (SIHP):** 50-20-97-394  
**FEATURE:** H  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75262752-1  
**GMU:** 75262752  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 62 m (L) x 21 m (W)  
**SITE AREA:** Approx. 1302 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 394 consists of a mostly low-density scatter of cultural materials listed in the NRHP Nomination form description, with the exception of the coral and adz preforms that were not found. There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. The northern boundary of the scatter is adjacent to a substantial hummock that stands approximately 2.0 m above the surrounding hardpan. Cultural materials appear to be eroding out of the hummock edge in the northernmost portion of the feature. The hummock is covered in dense vegetation including *kiawe*, *koa haole*, lantana, and grasses. The scatter is situated on denuded hardpan. The eastern side of the scatter is bounded by a planted tree-line windbreak (Figure B-172).

**SITE NUMBER (SIHP):** 50-20-97-394  
**FEATURE:** J  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75262751-5  
**GMU:** 75262751  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 40 m (L) x 20 m (W)  
**SITE AREA:** Approx. 800 sq. m

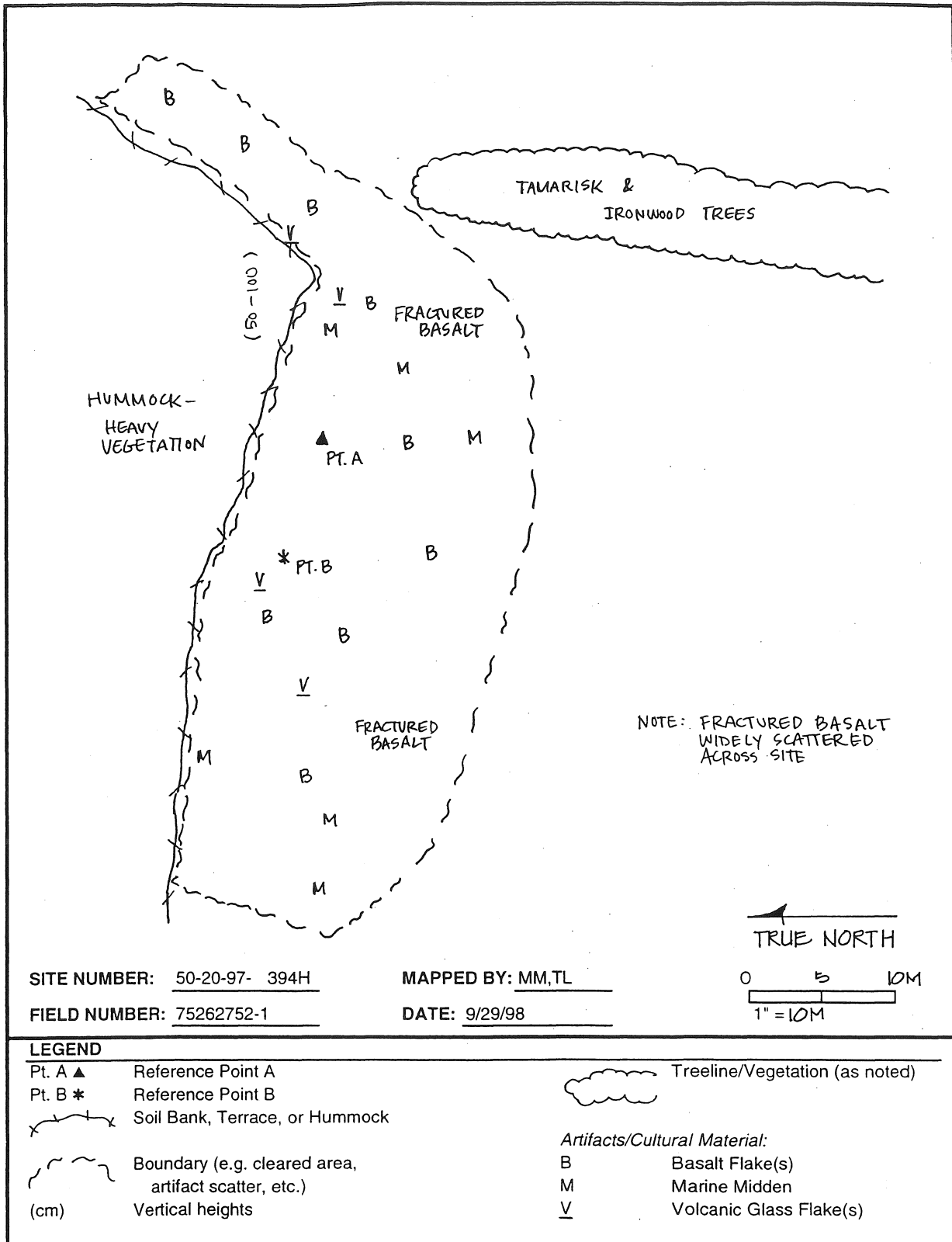
**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Flakes, Marine Midden

**Site Description**

Feature J of Site 394 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of head coral fragments and an adz preform/reject that was recorded. The feature is located at the western end of a linear hummock. Feature G of Site 394 is located at the opposite end of the same hummock (Figure B-171) that is heavily vegetated by *kiawe*, grasses, and lantana. The hardpan immediately around the hummock is denuded, which is where the cultural materials of this feature are visible. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

Figure B-172. Site 394, Feature H, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-394  
**FEATURE:** K  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Flakes, Marine Midden

**FIELD NO.:** 75272751-1  
**GMU:** 75272751  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 20 m (L) x 17 m (W)  
**SITE AREA:** Approx. 340 sq. m

#### Site Description

This feature of Site 394 consists of a scatter of cultural material comprised of fairly abundant fractured basalt, a few basalt flakes and a few fragments of marine shell, as listed on the NRHP Nomination form description. However, no volcanic glass cores were observed. The feature is situated on fairly denuded hardpan with only low grass and *koa haole* in the vicinity, except for the tamarisk tree-line windbreak just to the west of the feature. There is a natural embankment in the hardpan (approximately 1.0 m in elevation) that meanders roughly north-south through the feature. The area to the east of the feature appears to be disturbed, likely by bulldozing. There is an artificial berm, approximately 1.0 m high, that runs roughly east from 15 m east of the feature (Figure B-170).

**SITE NUMBER (SIHP):** 50-20-97-394  
**FEATURE:** M  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**

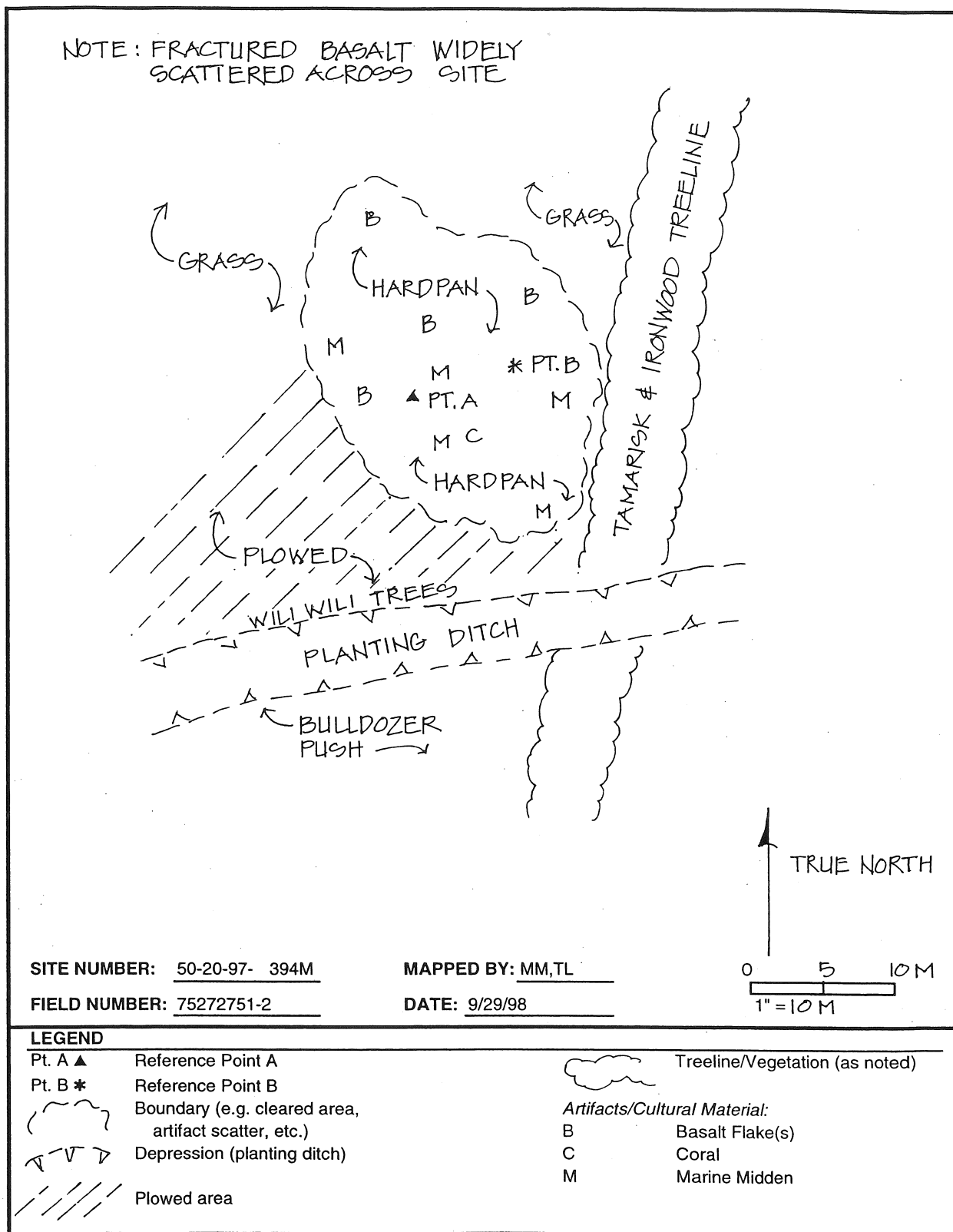
Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

**FIELD NO.:** 75272751-2  
**GMU:** 75272751  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 28 m (L) x 19 m (W)  
**SITE AREA:** Approx. 532 sq. m

#### Site Description

Feature M of Site 394 consists of a mostly low-density scatter of marine shell midden, basalt flakes, volcanic glass flakes and cores, some fragments of branch coral, and fractured basalt. There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. Although the immediate area of the feature is denuded, there is low grass, and *koa haole* in the vicinity of the feature. There is a planted tree-line windbreak immediately to the east of the feature. The surrounding land surface has been disturbed, probably by a bulldozer. There are artificial berms to the north and south of the feature that are associated with the planting of grass and numerous native Hawaiian trees. The feature as recorded is somewhat smaller than originally defined, which may be due to the planting of the tamarisk tree-line windbreak (Figure B-173).

Figure B-173. Site 394, Feature M, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-395	<b>FIELD NO.:</b> 75252747-3
<b>FEATURE:</b> A	<b>GMU:</b> 75252747
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> < 10 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 25 m (L) x 24 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 600 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Basalt Flakes, Marine Midden	

#### Site Description

Site 395 is a complex consisting of 23 activity area features located on the southwestern slope of Moa'ulanui, adjacent to Kaneloa Gulch (Figure 3-7). The site is situated in a mostly denuded area, with hummocks and scattered patches of grass-covered shallow soils. The site lies at 405 m elevation and is within Hommon's Inland Settlement Zone (1980:48). Features A through F were reidentified within the Lua Makika work area with the use of the photogrammetric maps provided by the Navy.

#### Feature A Description

Feature A of Site 395 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. The scatter is situated on denuded hardpan with a sparse distribution of grass growing on shallow soils, and it is adjacent to a tamarisk tree-line windbreak. The boundaries of the feature have been extended somewhat beyond the original NRHP definition to include more of the low-density scatter of cultural materials around the central portion of the feature (Figure B-174).

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<b>SITE NUMBER (SIHP):</b> 50-20-97-395	<b>FIELD NO.:</b> 75262747-1
<b>FEATURE:</b> B	<b>GMU:</b> 75262746
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 40 m (L) x 32 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1280 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

Feature B of Site 395 consists of a mostly low-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of a *Conus spp.* shell and an adz preform/reject that was recorded. There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. The scatter is situated on denuded hardpan, with a sparse distribution of grass growing on shallow soils. The eastern side of the scatter is bounded by a tamarisk tree-line windbreak (Figure B-175).

Figure B-174. Site 395, Feature A, Plan Map

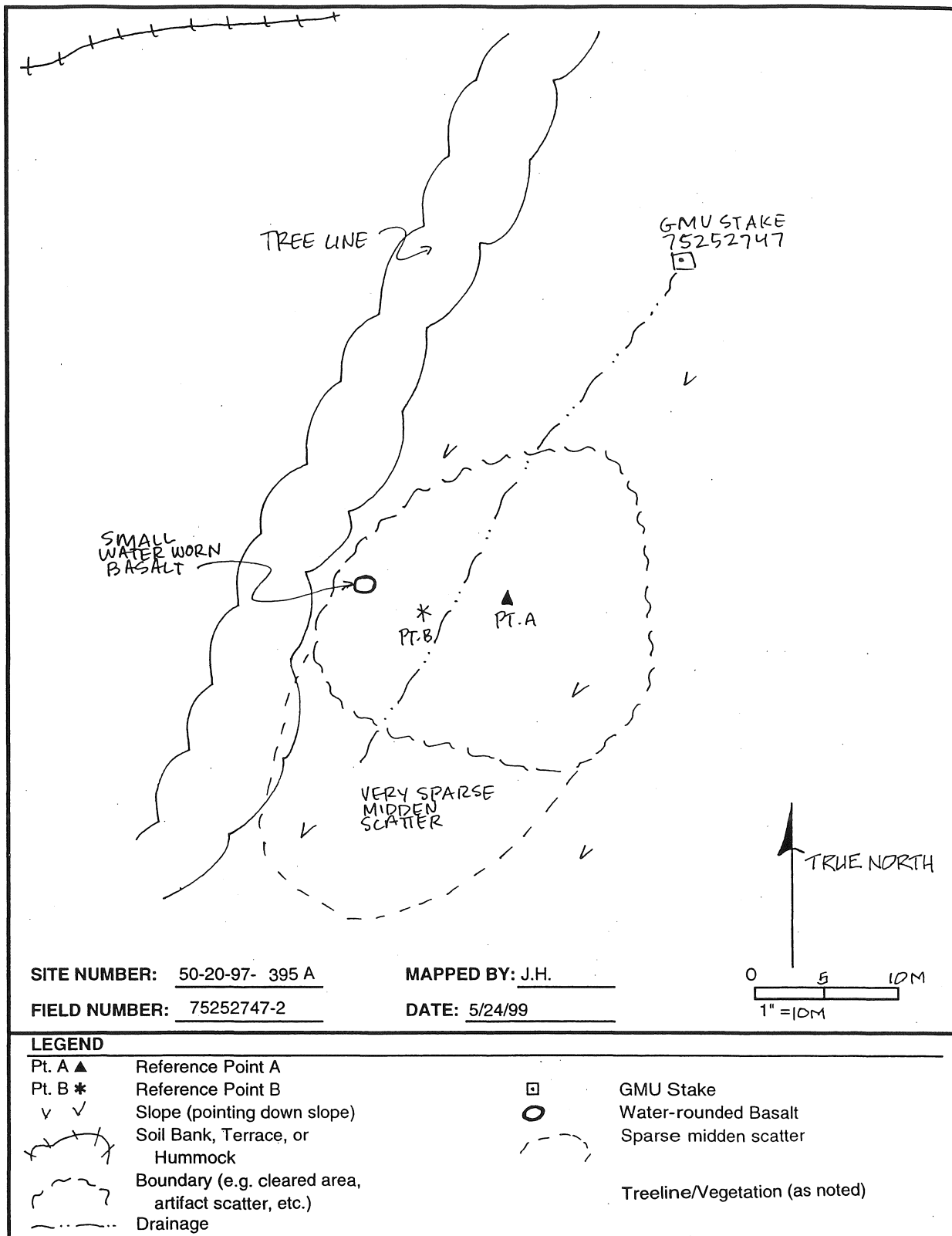
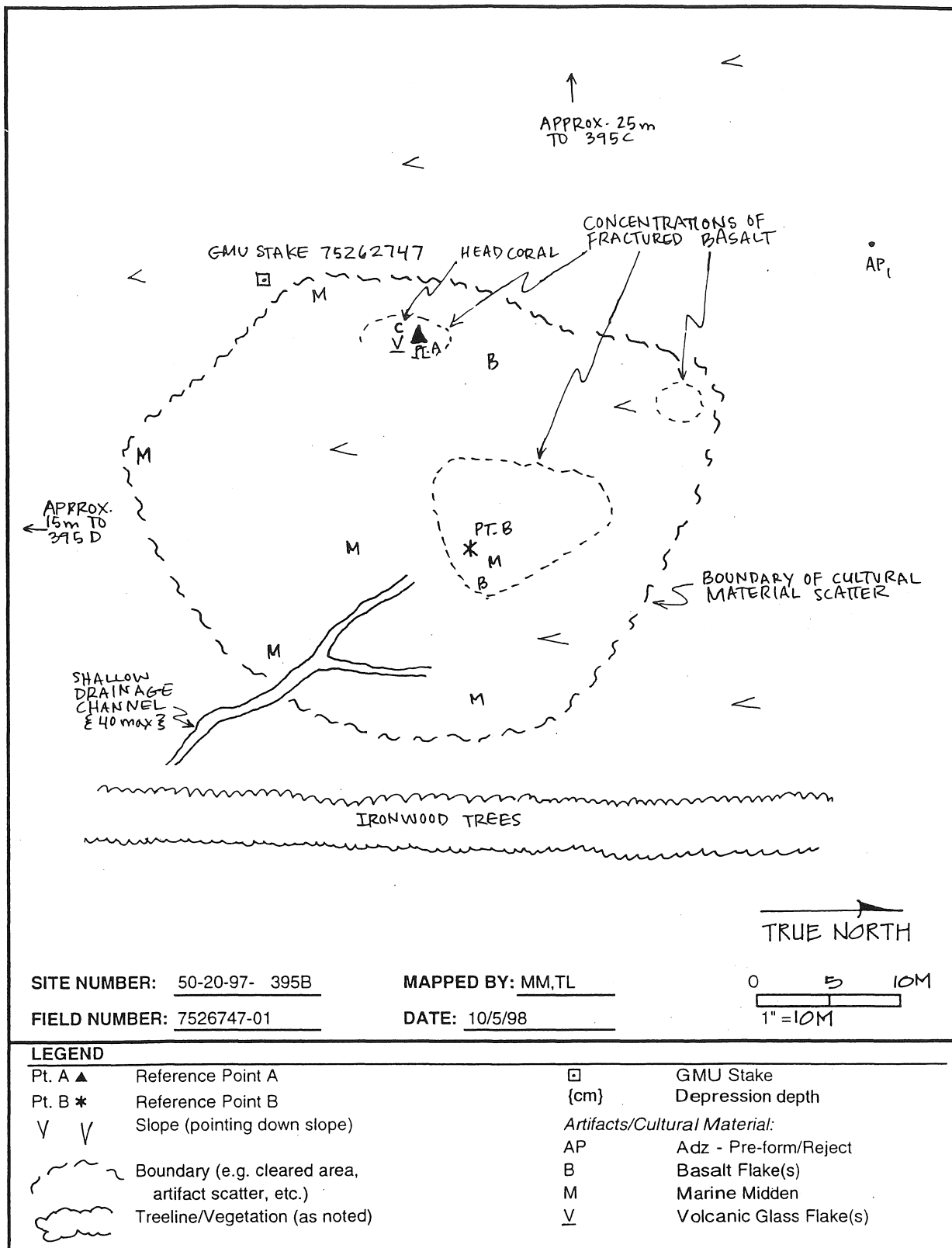


Figure B-175. Site 395, Feature B, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-395

**FEATURE:** C

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75252747-1

**GMU:** 75252747

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 80 m (L) x 60 m (W)

**SITE AREA:** Approx. 4800 sq. m

**Site Description**

This feature of Site 395 consists of a mostly low-density scatter of cultural materials listed in the NRHP Nomination form description, with the exception of the volcanic glass, adz blank, and basalt scrapers that were not found. Artifacts recorded include four hammerstones and two basalt abraders. There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. The feature is situated on eroded hardpan, with sparse vegetation consisting of isolated clumps of low grass. There is an arrangement of approximately 14 boulders on the east end of the feature, adjacent to a Tamarisk tree-line windbreak (Figure B-176). There is a concentration of fist-sized cobbles scattered within the boulders. The boulders and cobbles may well be the remains of a fireplace/hearth, although no charcoal was found and no midden was observed in association with the feature. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

**SITE NUMBER (SIHP):** 50-20-97-395

**FEATURE:** D

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75262746-1

**GMU:** 75262746

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 62 m (L) x 51 m (W)

**SITE AREA:** Approx. 3162 sq. m

**Site Description**

Feature D of Site 395 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of a waterworn cobble and the recorded artifacts, including one coral abrader and one basalt core. The scatter is situated on denuded hardpan, with a sparse distribution of grass and beach morning glory growing on shallow soils. The boundaries of the feature have been extended somewhat beyond the original NRHP definition to include more of the low-density scatter of cultural materials around the central portion of the feature (Figure B-177).



Figure B-176. Site 395, Feature C, Plan Map

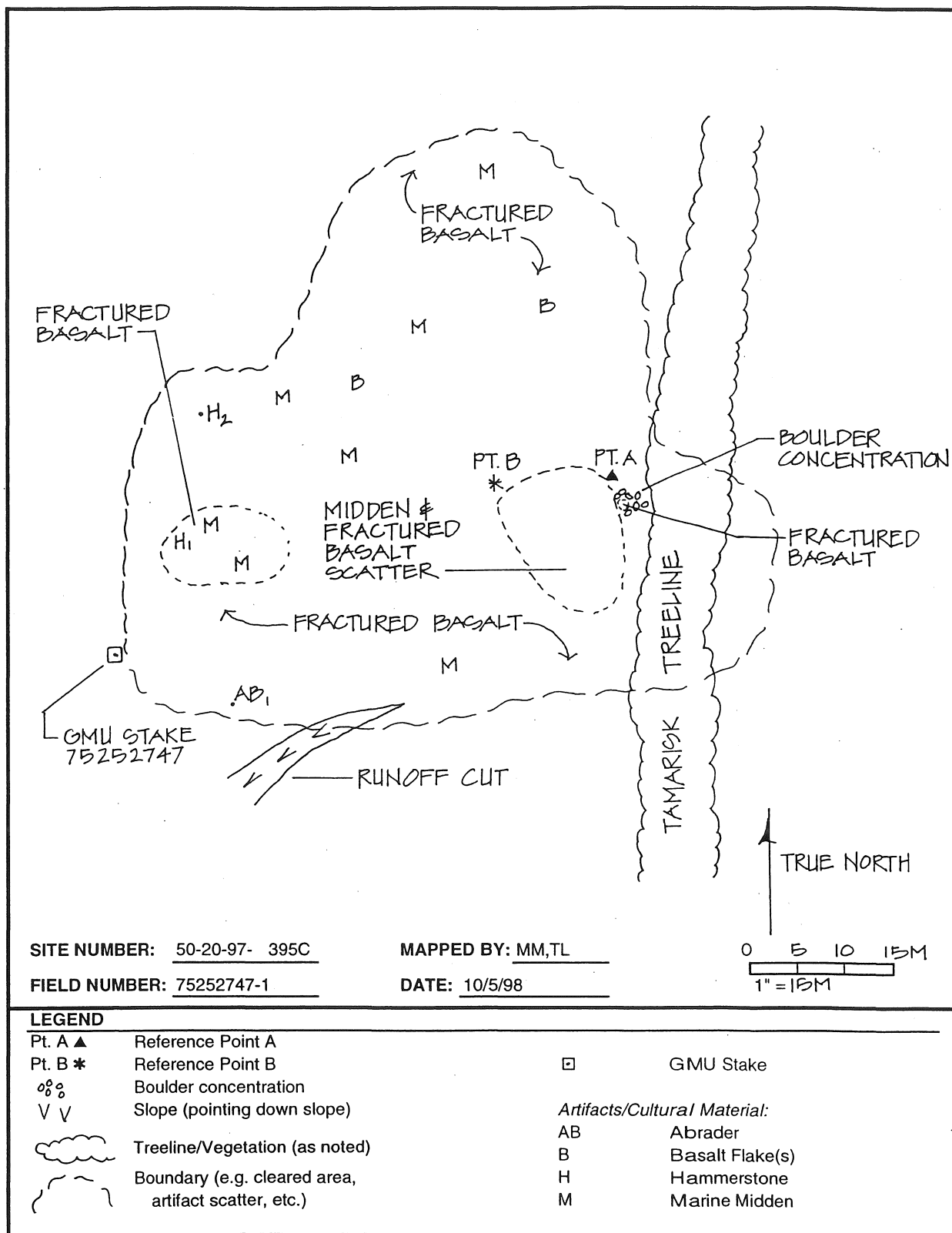
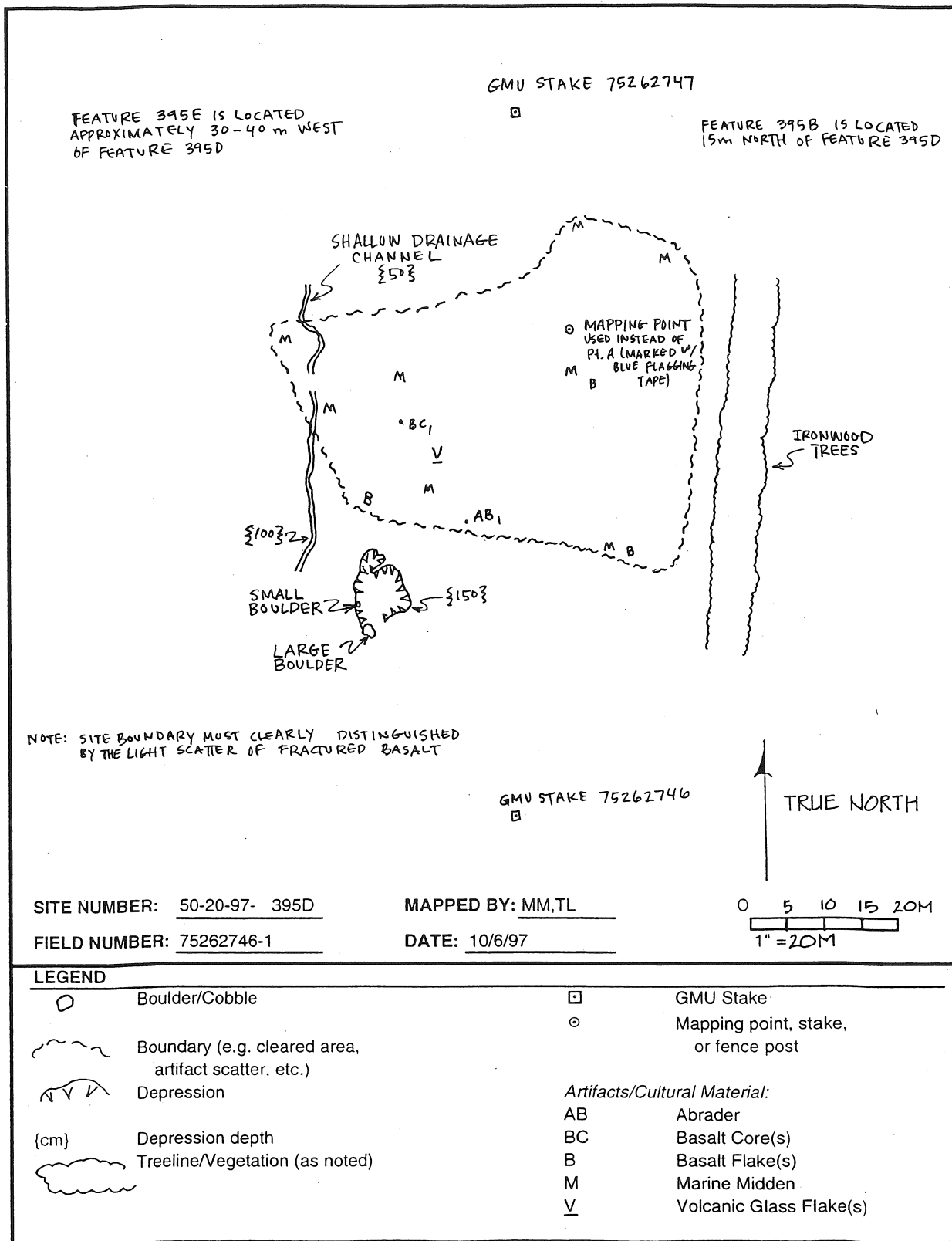


Figure B-177. Site 395, Feature D, Plan Map



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<b>SITE NUMBER (SIHP):</b> 50-20-97-395	<b>FIELD NO.:</b> 75252746-1
<b>FEATURE:</b> E	<b>GMU:</b> 75252746
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 105 m (L) x 60 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 6300 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Sinkers, Adz Preforms/Rejects, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature E of Site 395 is a scatter of basalt flakes, head coral fragments, fractured basalt, and marine shell midden. Artifacts recorded at the feature included five basalt awls, one coral abrader, one basalt abrader, one basalt scraper, two bread-loaf sinkers, three hammerstones, and three adz preform/rejects. The feature is situated on largely denuded hardpan between two rows of Tamarisk tree-line windbreaks (Figure B-178). The hardpan is dissected by drainage channels that are more pronounced in the southern (downslope) portion of the site. The fractured basalt is found scattered throughout the feature, but in some locations it is more concentrated. The NRHP description for this feature is generally accurate, though more finished and unfinished tools and fragments were found, and no volcanic glass was observed. The boundaries of the feature have been extended beyond the original NRHP definition to include the more of the low-density scatter of cultural materials around the central portion of the feature.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-395	<b>FIELD NO.:</b> 75252746-2
<b>FEATURE:</b> F	<b>GMU:</b> 75252746
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> High
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 75 m (L) x 66 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 4950 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Abrader, Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

This feature of Site 395 consists of a low- to high-density scatter of cultural materials listed in the NRHP Nomination form description, with the exception of the adz blanks and basalt scrapers that were not found. However, one hammerstone, one coral abrader, one biface, and two basalt cores were located and recorded. There are areas of the feature where cultural materials are in high-density concentrations, and other areas where the concentration is low. The feature is situated on eroded hardpan, with sparse vegetation consisting of isolated clumps of low grass and *koa haole*. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature. The eastern and western boundaries of this feature were arbitrarily determined because the low-density scatter of cultural materials is continuous with Feature G to the east and Feature M to the southwest (Figure B-179).

Figure B-178. Site 395, Feature E, Plan Map

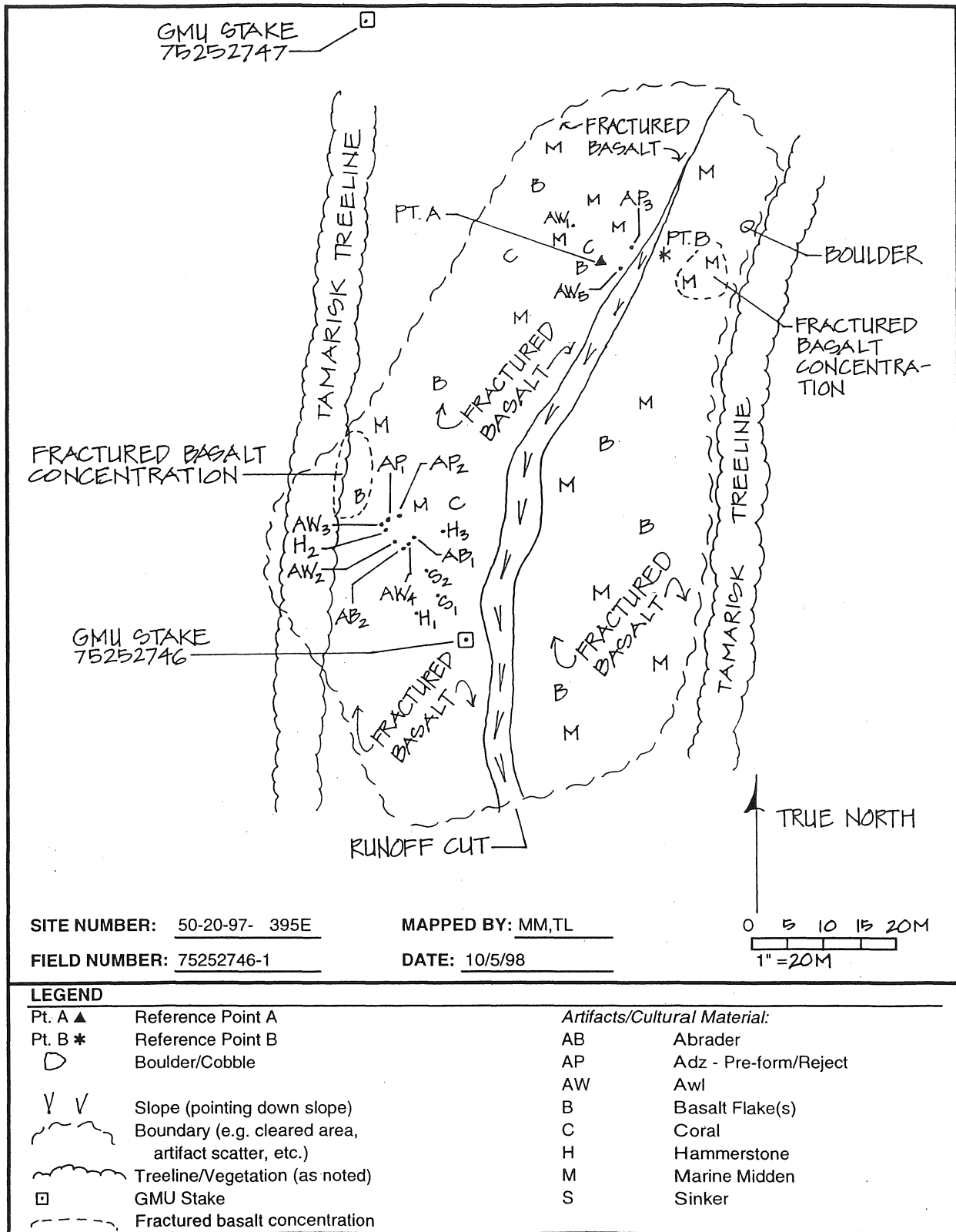
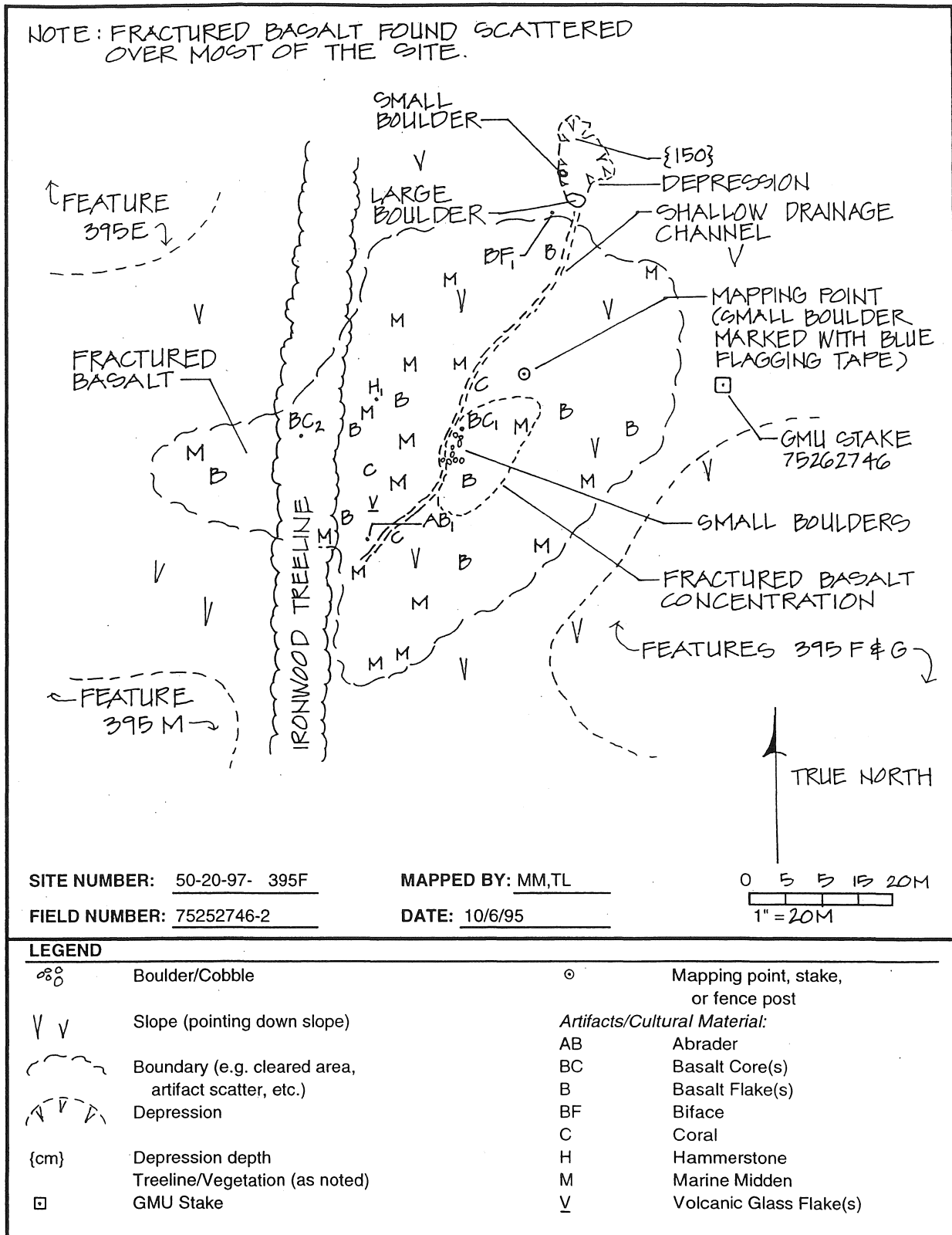


Figure B-179. Site 395, Feature F, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-397

**FEATURE:** A

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75272748-1

**GMU:** 75272748

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** > 100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 50 m (L) x 40 m (W)

**SITE AREA:** Approx. 2000 sq. m

**Site Description**

Site 397 is a complex of four activity area features located on the southwestern slope of Moa`ulanui, adjacent to Kaneloa Gulch (Figure 3-7). The site is situated in a mostly denuded area, with hummocks and scattered patches of grass-covered shallow soils. The site lies at approximately 435 m elevation and is within Hommon's Inland Settlement Zone (1980:48). All four features were reidentified within the Lua Makika work area with the use of the photogrammetric maps provided by the Navy. Features A through D are discussed below.

**Feature A Description**

Feature A of Site 397 consists of a low- to medium-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of the basalt biface, basalt core, and adz preform/reject that were recorded. Shell species include *Cypraea* and *Thaididae spp.* Cultural materials are distributed in mostly low- and very low-density concentration, although there are a few places where the density is medium. The cultural materials are visible on the non-vegetated eroded hardpan surface that comprises 70% to 80% of the site surface area. The remainder of the site area is covered with grass, lantana, and other vegetation growing on shallow soils. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature (Figure B-180).

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**SITE NUMBER (SIHP):** 50-20-97-397

**FEATURE:** B

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75282748-1

**GMU:** 75282748

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** > 100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 40 m (L) x 38 m (W)

**SITE AREA:** Approx. 1520 sq. m

**Site Description**

This feature of Site 397 consists of a generally low-density scatter of fire-cracked rock, manufacturing debris flakes and cores of fine-grained basalt, marine shell midden, and coral. Basalt flakes are very few, as are the cores, which appear to have had only a few flakes detached before being discarded. Marine shell species include *Cypraea spp.* and an unidentified species, possibly a *Thaididae spp.* Cultural materials are visible on the hardpan surface that is interspersed with small patches of grass growing on shallow soils, which cover approximately 20% to 25% of the site area. The site as identified is much larger than originally defined on the NRHP form. This may be due to additional erosion and vegetation loss at this feature, or it may simply be that we have included more of the low-density scatter of cultural materials around the central portion of the feature (Figure B-181).

Figure B-180. Site 397, Feature A, Plan Map

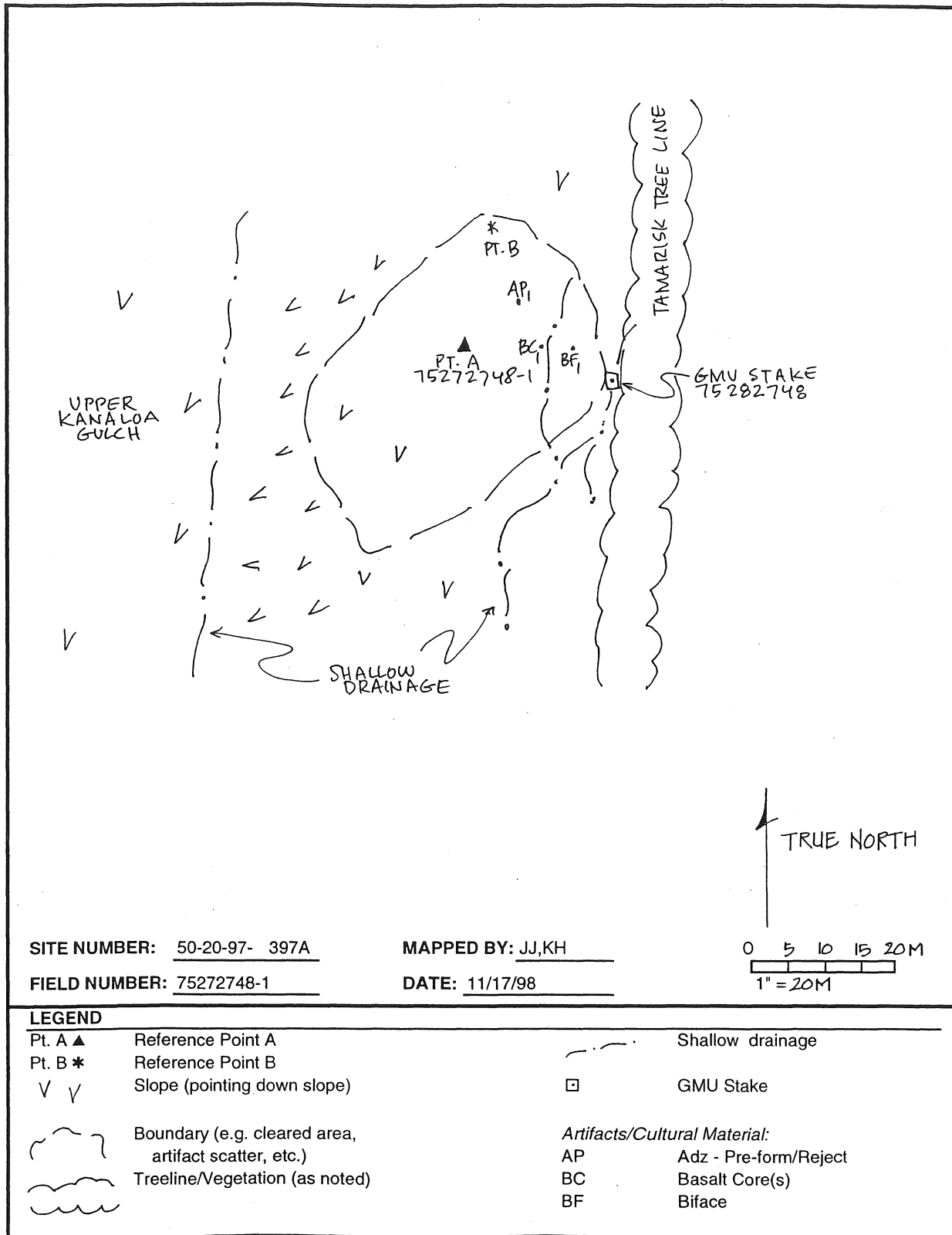
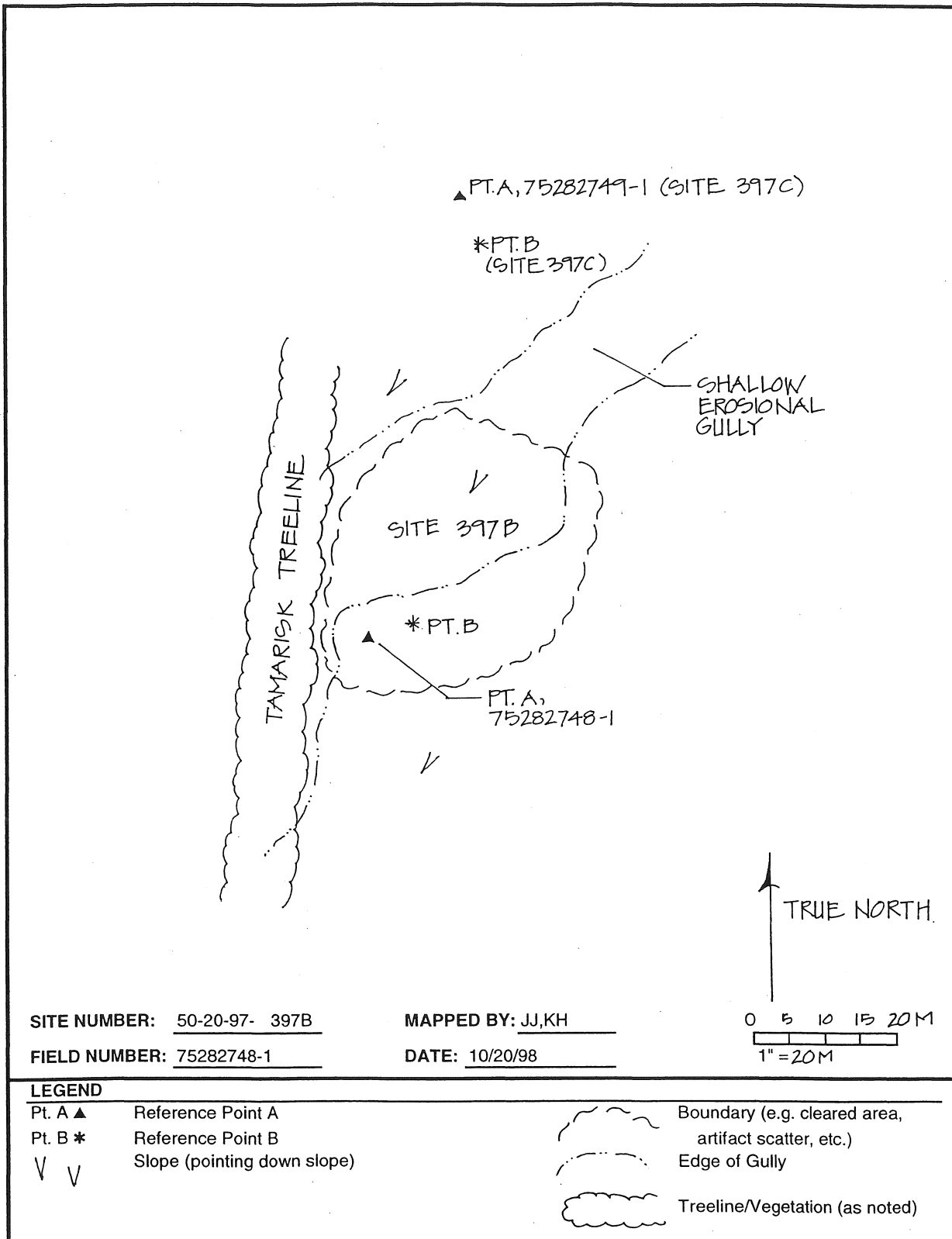


Figure B-181. Site 397, Feature B, Plan Map





**SITE NUMBER (SIHP):** 50-20-97-397  
**FEATURE:** C  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75282749-1  
**GMU:** 75282749  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 51 m (L) x 40 m (W)  
**SITE AREA:** Approx. 2040 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Feature C of Site 397 consists of a low- to high-density scatter of cultural materials listed in the NRHP Nomination form description. Fractured basalt is the most abundant of the cultural materials, followed by manufacturing debris flakes and cores of fine-grained basalt and marine shell midden. Marine shell species include *Thaididae*, *Cypraea*, and *Cellana spp.*, and an unidentified large species. Artifacts recorded include two hammerstones and one adz preform/reject fragment. One of the hammerstones has wear on two of the lateral faces that could be the result of use as an anvil. There are also several small cobbles of waterworn vesicular basalt at the feature. Cultural materials are visible on the eroded hardpan surface, interspersed with patches of grass growing on shallow soils, which cover approximately 15% to 20% of the site area. The feature as identified is much larger and has more materials than described on the NRHP form. This may be due to additional erosion and vegetation loss, or it may simply be that we have included more of the low-density scatter of cultural materials around the central portion of the feature (Figure B-182).

**SITE NUMBER (SIHP):** 50-20-97-397  
**FEATURE:** D  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75272749-1  
**GMU:** 75272749  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 85 m (L) x 38 m (W)  
**SITE AREA:** Approx. 3230 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Feature D of Site 397 consists of a generally low-density scatter of cultural materials, as described in the NRHP Nomination form, with the addition of the adz preform fragments. Five of the six hammerstones previously observed were not relocated, though the basalt awl was. The recorded artifacts at this feature include three adz preform/rejects, two basalt awls, and one hammerstone. This feature is situated adjacent to the deep gully that is toward the bottom of Kaneloa Gulch (Figure B-183). Cultural materials are visible on the eroded hardpan surface, interspersed with patches of grass and lantana, growing on shallow soils which cover approximately 30% of the site area. The site as identified is about twice the length as originally described, which may be the result of additional artifact disbursal due to downhill erosion, change in vegetation patterns, or the application of different site definition criteria.

Figure B-182. Site 397, Feature C, Plan Map

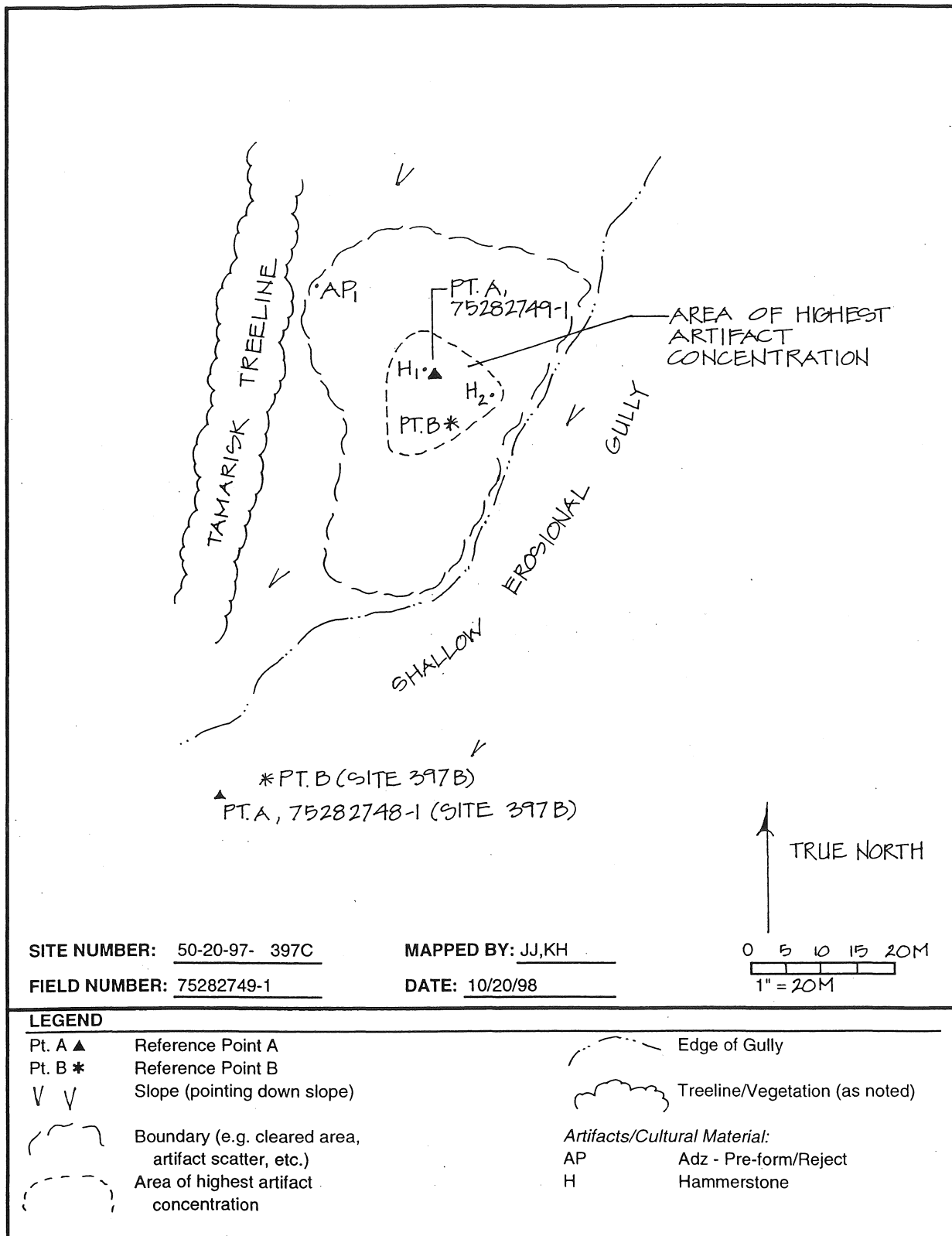
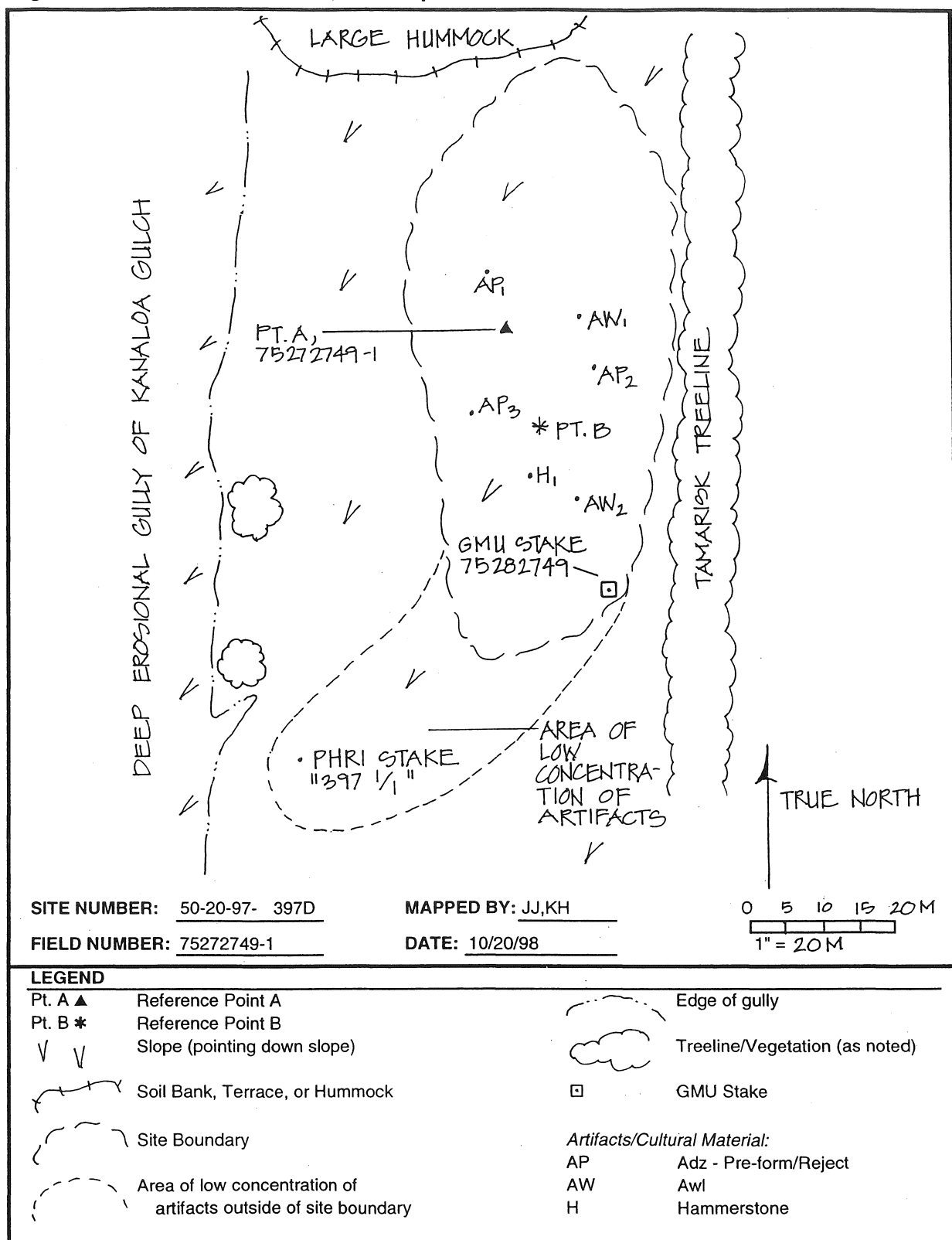


Figure B-183. Site 397, Feature D, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-398  
**FEATURE:** A, B  
**STATUS:** Previously Recorded  
**SETTING:** Inland  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75272759-1  
**GMU:** 75272759  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 100 m (L) x 42 m (W)  
**SITE AREA:** Approx. 4200 sq. m

#### Site Description

Site 398 is a complex of three activity area features located on the northwestern slope of Moa'ulanui, at the head to Kaulana Gulch (Figure 3-7). The site is situated in a mostly denuded area, with hummocks and scattered patches of grass-covered shallow soils. The site is situated at approximately 410 m elevation and is within Hommon's Inland Settlement Zone (1980:48). All three features were reidentified within the Lua Makika work area with the use of the photogrammetric maps provided by the Navy. Constituent features A through C are discussed below.

#### Feature A and B Description

Features A and B of Site 398 were combined because no clear boundary between the two artifact scatters could be determined. Features A and B consist of four hummocks surrounded by a low-density scatter of cultural materials listed in the NRHP Nomination form description. Shell midden specimens observed include *Conus spp.*, *Thaididae spp.* and *Cypraea spp.* fragments. One hammerstone was recorded. The northern and southern boundaries of the features are sharply cut erosive channels (Figure B-184). The easternmost hummock contains a screen (1.4 m. x 0.5 m.) covering a previous excavation unit placed by PHRI (Rosendahl *et al* 1987). Charcoal still can be seen eroding out of the hummock at this location. The two hummocks in the eastern portion of the site closely resemble the alignment of activity areas A and B on the NRHP map. The scatter extends beyond the two hummocks in the western end of the site.

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**SITE NUMBER (SIHP):** 50-20-97-398  
**FEATURE:** C  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

**FIELD NO.:** 75272759-2  
**GMU:** 75272759  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 65 m (L) x 25 m (W)  
**SITE AREA:** Approx. 1625 sq. m

#### Site Description

Feature C of Site 398 consists of a low-density scatter of cultural materials, as described in the NRHP Nomination form, with the exception of the adz preform and hammerstone that were not found. This feature is situated adjacent to the deep gully that is northern boundary of Features A and B of the same site (Figure B-185). Cultural materials are visible on the eroded hardpan surface that is interspersed with patches of grass and lantana growing on shallow soils, which covers approximately 30% of the site area. The site as identified is smaller than originally described, which may be the result of the application of different site definition criteria.

Figure B-184. Site 398, Feature A, B, Plan Map

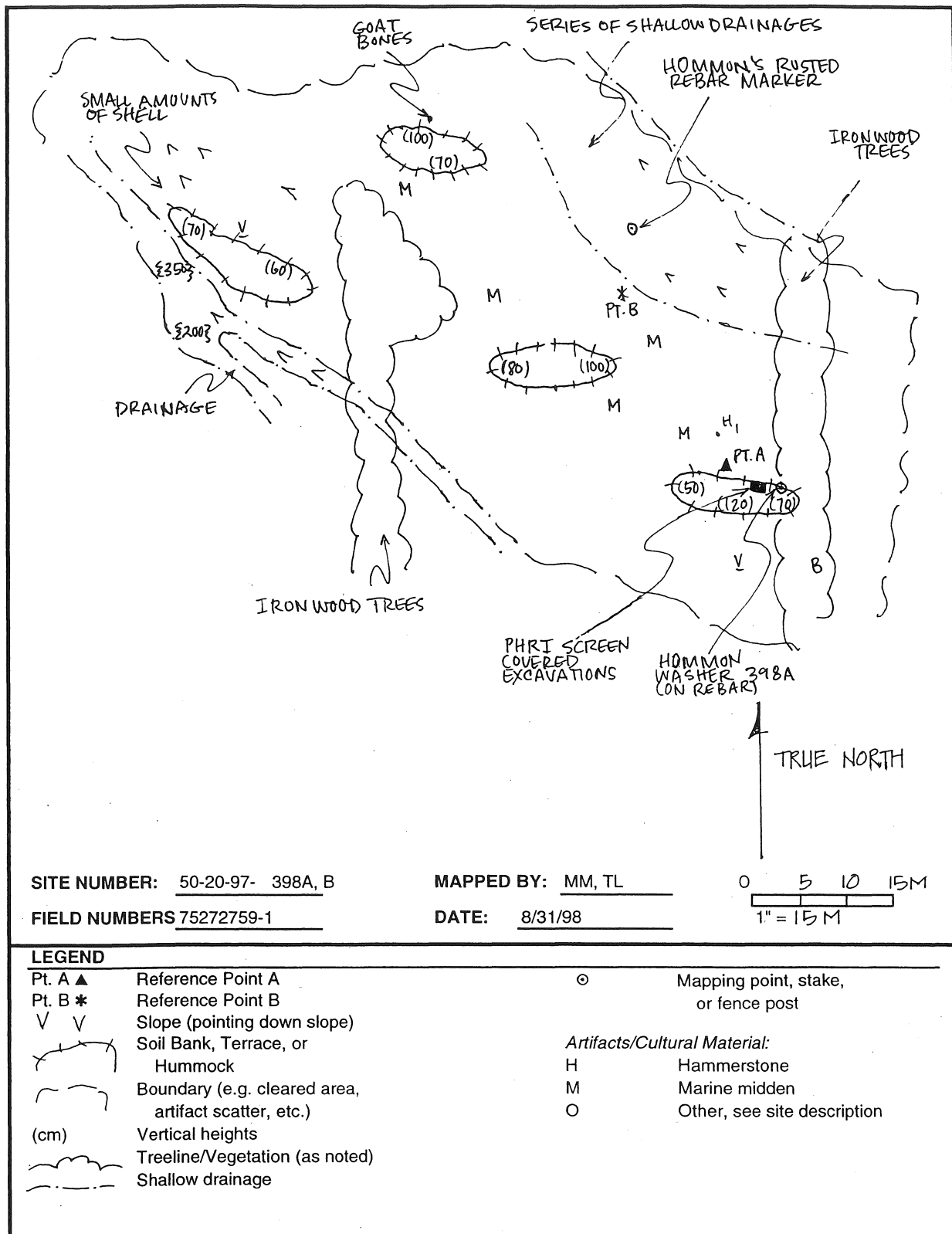
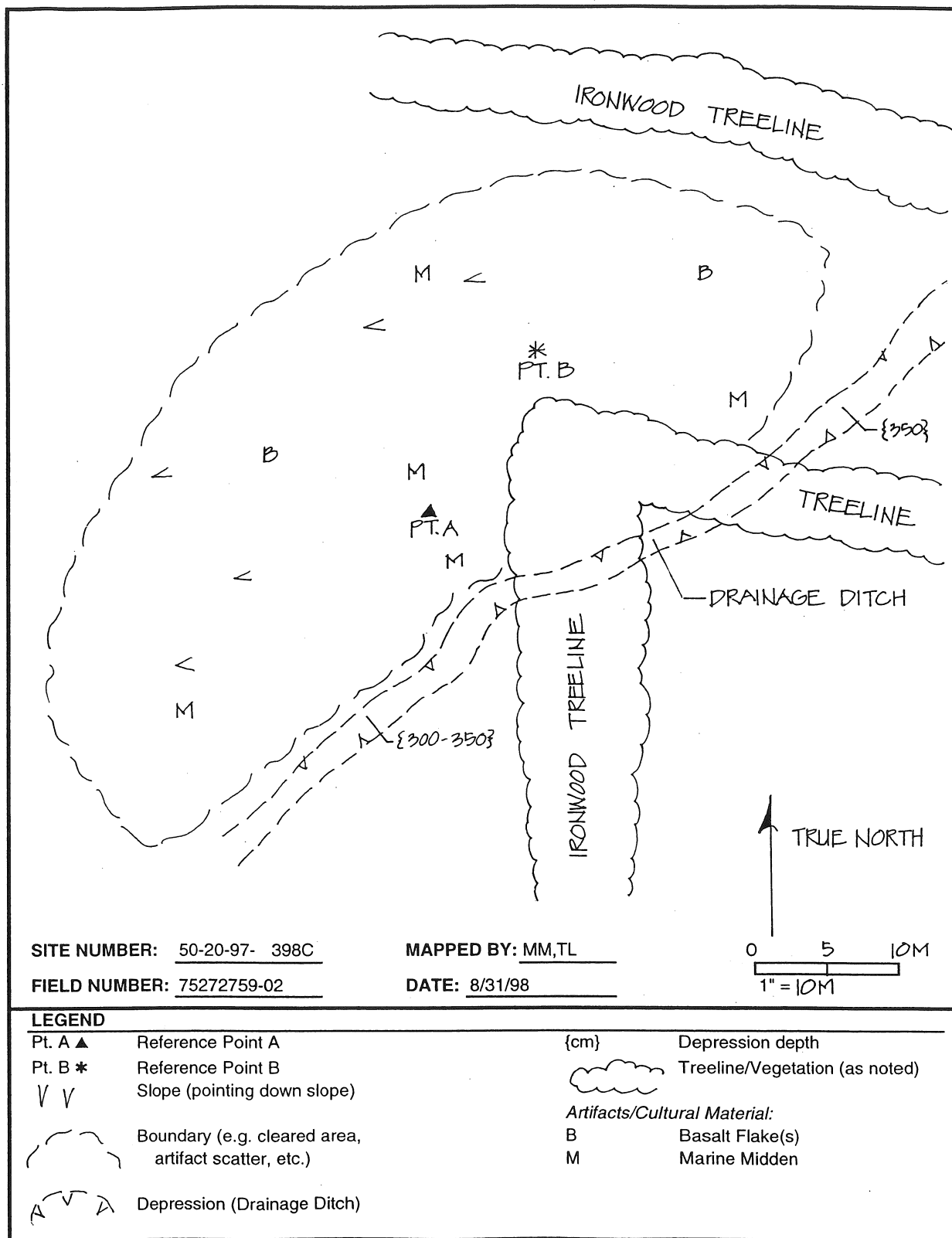


Figure B-185. Site 398, Feature C, Plan Map



<b>SITE NUMBER (SIHP):</b> 50-20-97-399	<b>FIELD NO.:</b> 75282757-1
<b>FEATURE:</b> A	<b>GMU:</b> 75282757
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 29 m (L) x 40 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1160 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

Site 399 is a complex of seven activity area features located on the northern slope of Moa`ulanui, near the head of Papaka`iki Gulch (Figure 3-7). The site is situated adjacent to a large area of extant soil vegetated with *kiawe* trees and grass. The site is situated at approximately 410 m elevation and is within Hommon's Inland Settlement Zone (1980:48). All seven features were reidentified within the Lua Makika work area with the use of the photogrammetric maps provided by the Navy. Constituent features A through G are discussed below.

#### Feature A Description

This feature of Site 399 consists of a low-density scatter of fractured basalt, basalt flakes, volcanic glass flakes, small amounts of coral and marine shell, and four adz preform/reject fragments that were recorded. The feature is situated on hardpan, but a portion of it surrounds an eroding hummock (Figure B-186). The site as identified is smaller than originally described, which may be the result of the application of different site definition criteria.

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<b>SITE NUMBER (SIHP):</b> 50-20-97-399	<b>FIELD NO.:</b> 75292758-1
<b>FEATURE:</b> B	<b>GMU:</b> 75292758
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> 11-100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Low
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 58 m (L) x 22 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1276 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Feature B of Site 399 consists of a low-density scatter of cultural materials listed in the NRHP Nomination description form, with the exception of the basalt awls, scrapers, and two of the hammerstones that were not found. Cultural material density is about the same as Feature A to the north. The feature is situated mostly on hardpan that slopes gently to the northwest. There is only one small hummock within the site boundaries and another to the north of the site that doesn't have sufficient cultural material around it to include it within the site boundaries. Artifacts recorded at this feature include two adz preform/rejects and one hammerstone (Figure B-187).

Figure B-186. Site 399, Feature A, Plan Map

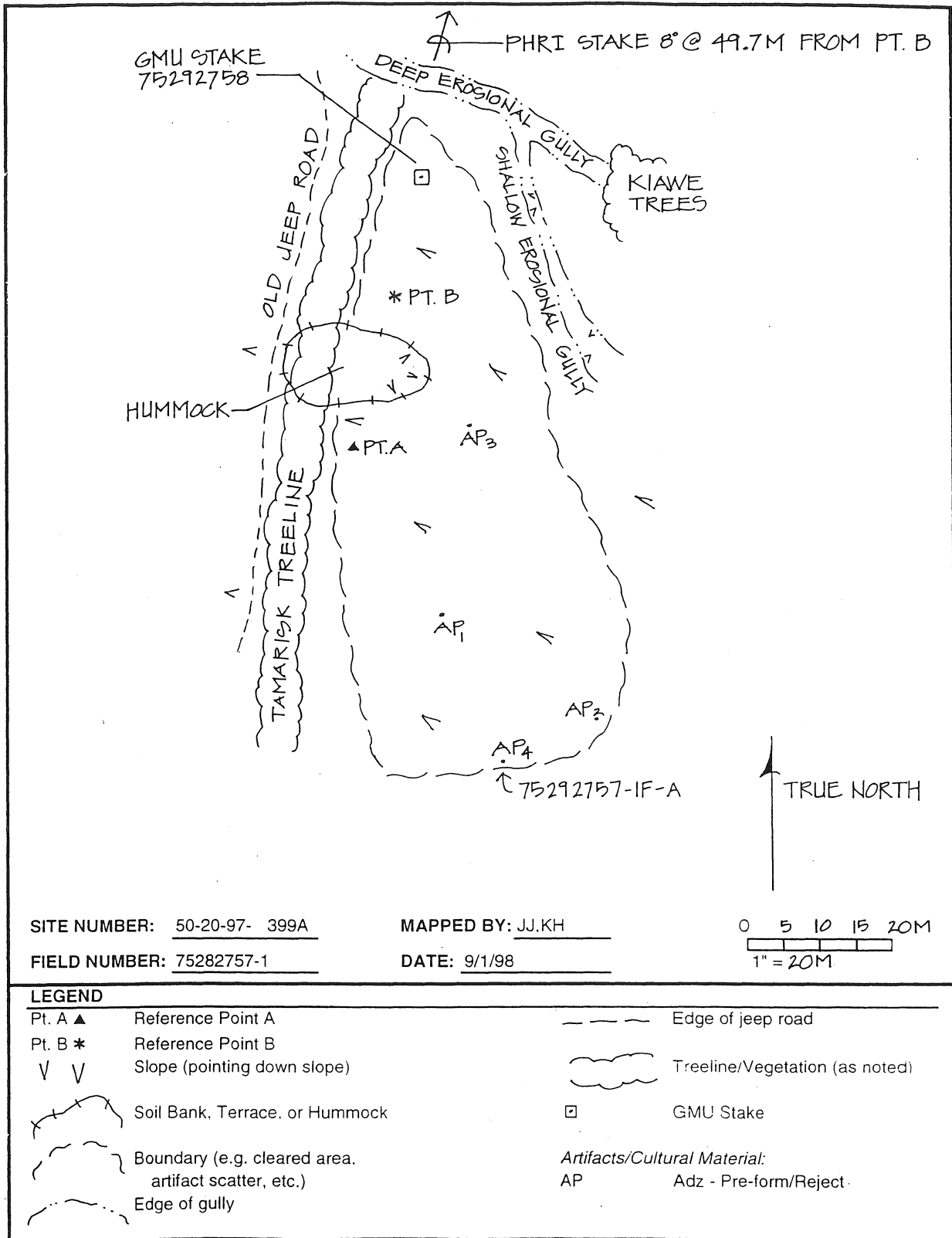
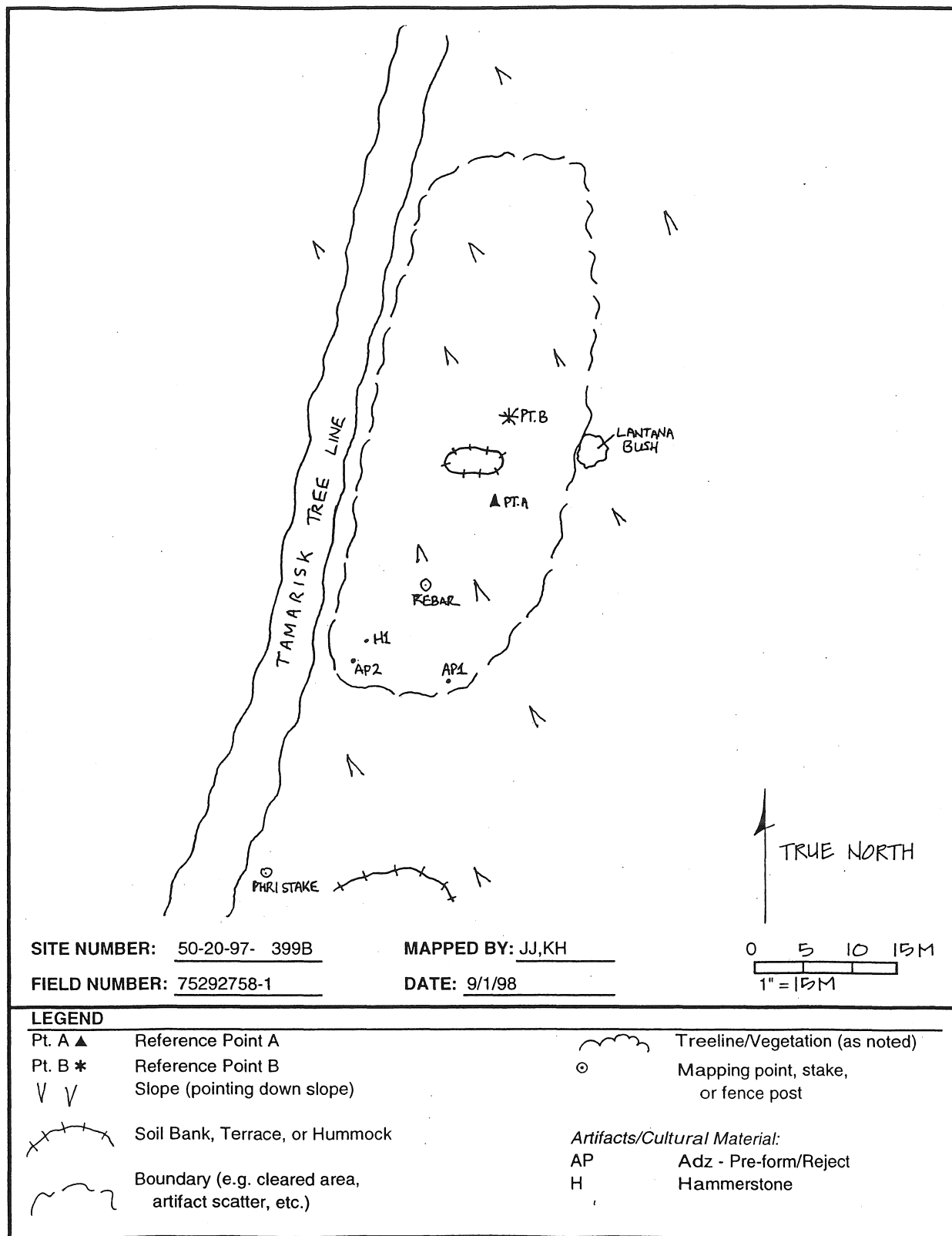




Figure B-187. Site 399, Feature B, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-399  
**FEATURE:** C, D  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75312758-1  
**GMU:** 75312758  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 96 m (L) x 58 m (W)  
**SITE AREA:** Approx. 5568 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This site area is located where Features C and D of Site 399 were previously recorded, though the boundaries of the features as previously recorded could not be precisely identified. This site area is comprised of a fairly continuous scatter of cultural materials with four identifiable areas of distinctly higher lithic concentrations. The majority of the lithics are fractured basalt, in addition to flakes and cores of basalt and volcanic glass, and sparse marine shell fragments. Cultural materials are visible on the eroded hardpan surface that comprises the majority of the site surface area. There are also a few areas of shallow soil, vegetated with grass, lantana, and *koa haole*. Artifacts recorded at this feature include five adz preform/rejects, one scoria abrader, three bifaces, one *`ulu maika*, and two miscellaneous artifacts (Figure B-188).

**SITE NUMBER (SIHP):** 50-20-97-399  
**FEATURE:** E  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75302757-1  
**GMU:** 75302757  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 100 m (L) x 92 m (W)  
**SITE AREA:** Approx. 9200 sq. m

**MATERIAL CHARACTERISTICS:**

Abrader, Fractured Basalt, Finished adz, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 399 consists of a low- to high-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of a more fragments of finished and unfinished tools. Part of the site surrounds a relatively large hummock from which materials appear to be eroding (Figure B-189). An intact (potentially) cultural layer with charcoal is visible in the northwest bank of the hummock. Cultural materials are visible on the eroded hardpan surface that comprises the majority of the site surface area. In addition to the hummock, there are also a few areas of shallow soil, vegetated with grass, lantana and *koa haole*. This feature contains a larger variety of artifacts than previously noted. Artifacts recorded at this feature include two adzes or adz fragments, three adz preform/rejects, one hammerstone, one basalt core, three coral abraders, one *`ulu maika*, and two miscellaneous artifacts. One unusual large coral disk fragment was recorded as Artifact O-1. It appears to be a fragment of a coral disk of at least 25 cm diameter. The boundaries of the feature have been extended beyond the original NRHP definition to include more of the low-density scatter of cultural materials around the central portion of the feature.

Figure B-188. Site 399, Feature C, D, Plan Map

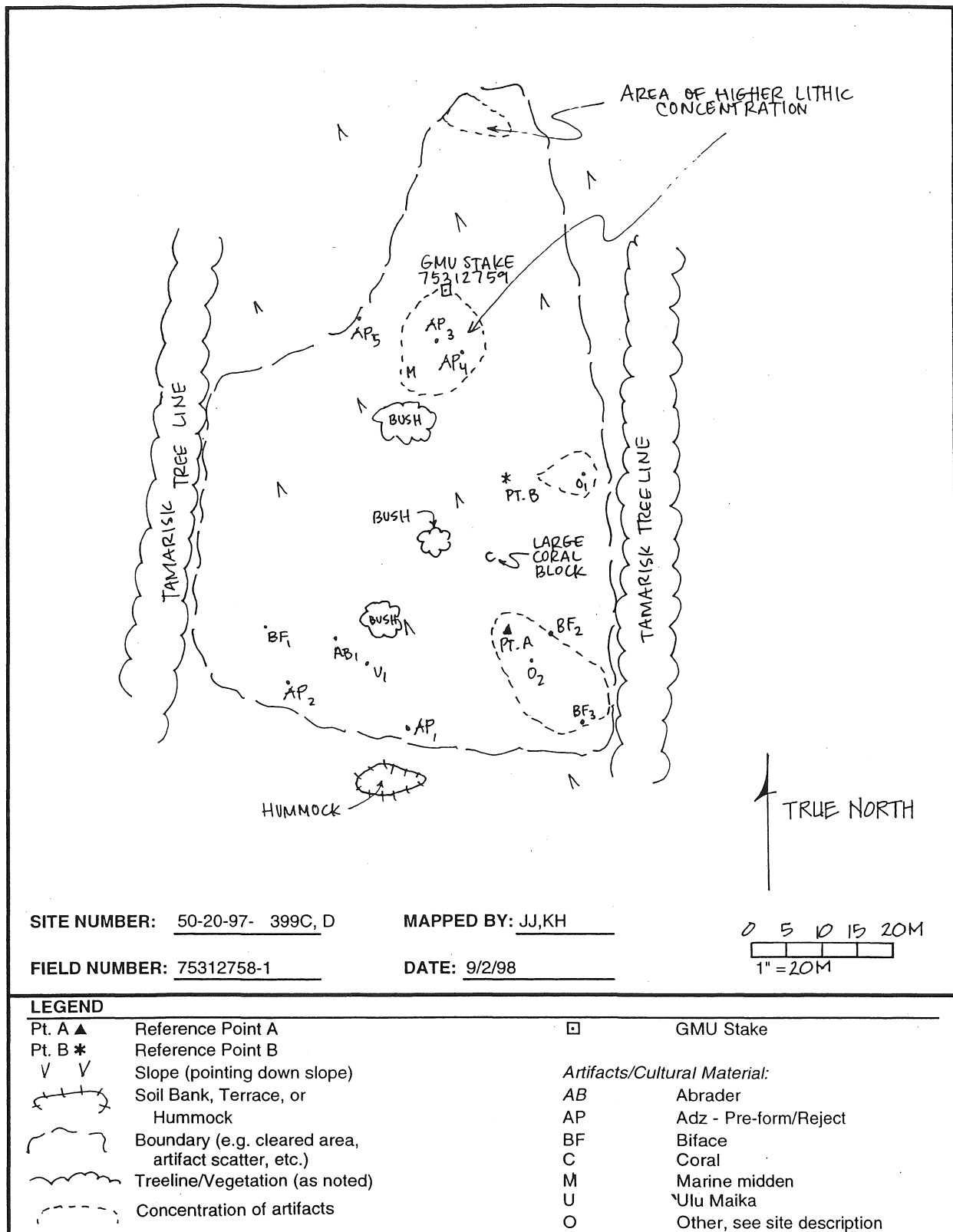
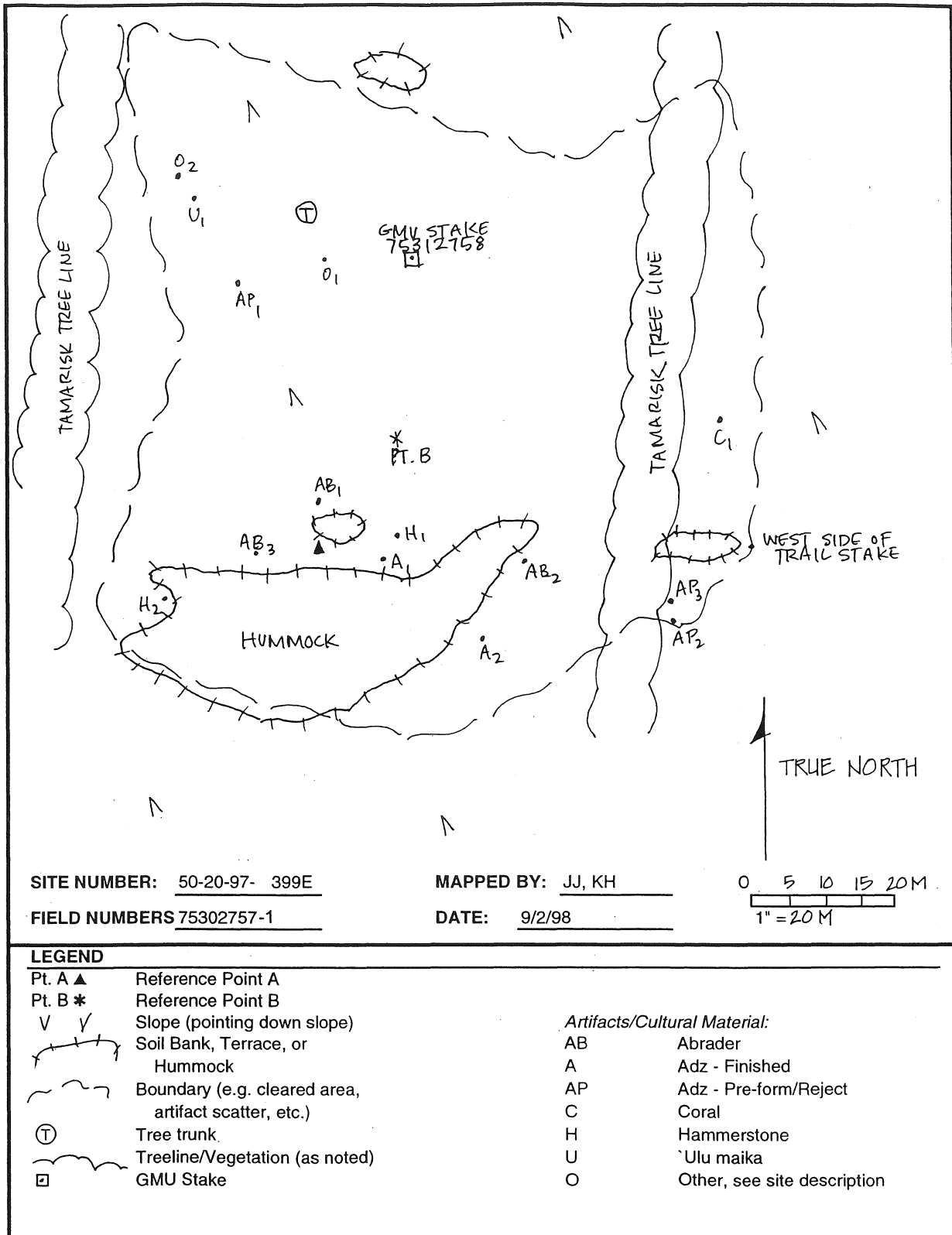


Figure B-189. Site 399, Feature E, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-399  
**FEATURE:** F  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75312759-1  
**GMU:** 75312759  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 49 m (L) x 34 m (W)  
**SITE AREA:** Approx. 1666 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Marine Midden

**Site Description**

Feature F of Site 399 consists of a low- to high-density scatter of cultural materials listed in the NRHP Nomination form description. Artifacts recorded at this feature include eight adz preform/rejects, one hammerstone, two basalt cores, one biface, one basalt scraper, and a basalt artifact that looks like a broken chisel. Cultural materials are visible on the eroded hardpan surface that comprises the majority of the site surface area. The remainder consists of a few areas of shallow soil vegetated with grass, lantana, and *koa haole*. This feature is situated on the northern slope of Moa'ulanui, and the trail to Hakioawa passes through it (Figure B-190). The feature as identified is smaller than originally described, which may be the result of more vegetation at the site or of the application of different site definition criteria.

**SITE NUMBER (SIHP):** 50-20-97-399  
**FEATURE:** G  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75322757-1  
**GMU:** 75322757  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 27 m (L) x 22 m (W)  
**SITE AREA:** Approx. 594 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden, *Cypraea* Shell Lure

**Site Description**

This feature of Site 399 as identified matches the description provided on the NRHP Nomination form, including the range of types of shell and cultural materials present. Artifacts recorded at this feature include four adz preform/rejects, two volcanic glass cores, and one cowry shell lure. The materials of this feature surround a small hummock, though all observed materials were observed on deflated hardpan (Figure B-191). The site as identified is smaller than originally described, which may be the result of the application of different site definition criteria.

Figure B-190. Site 399, Feature F, Plan Map

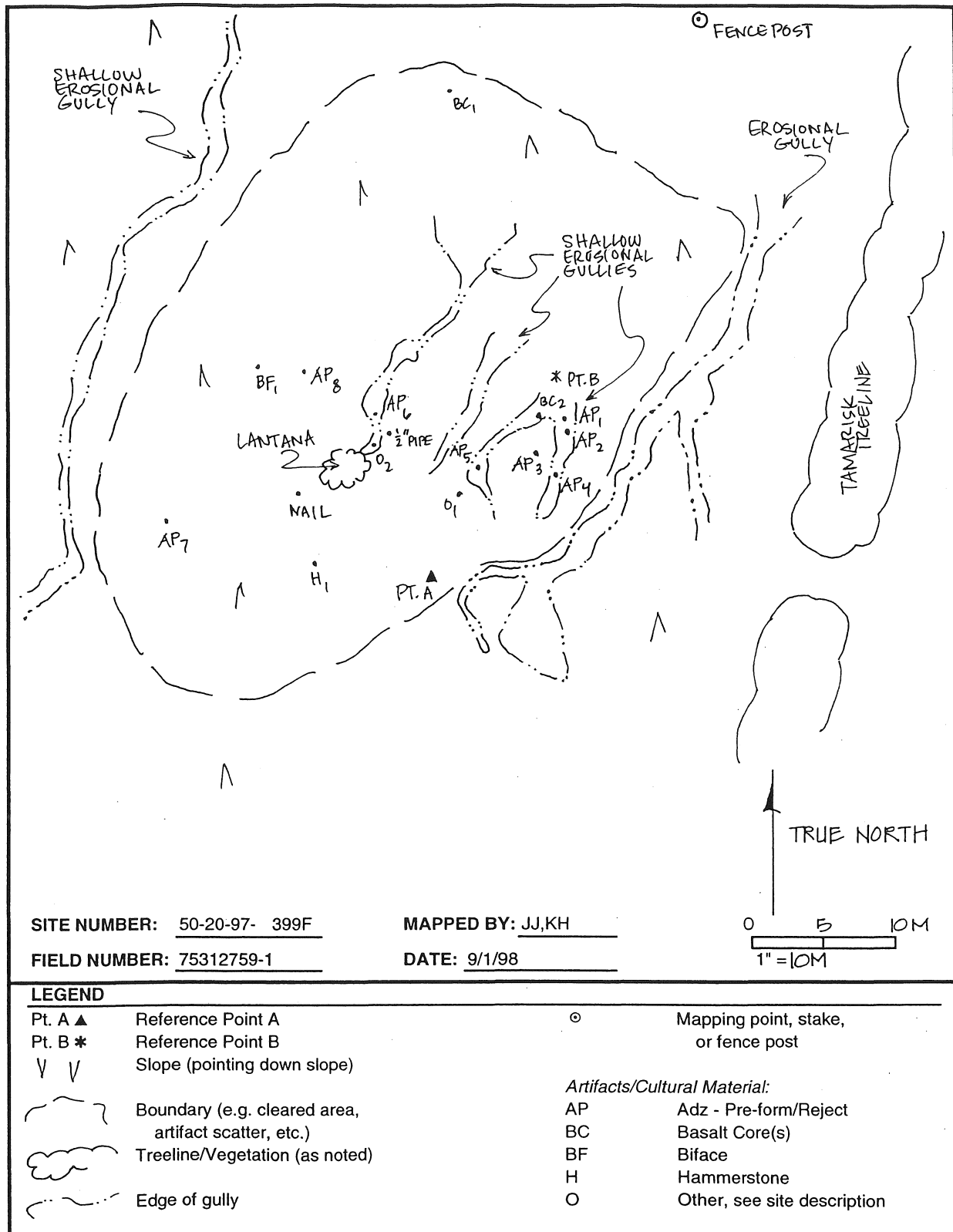
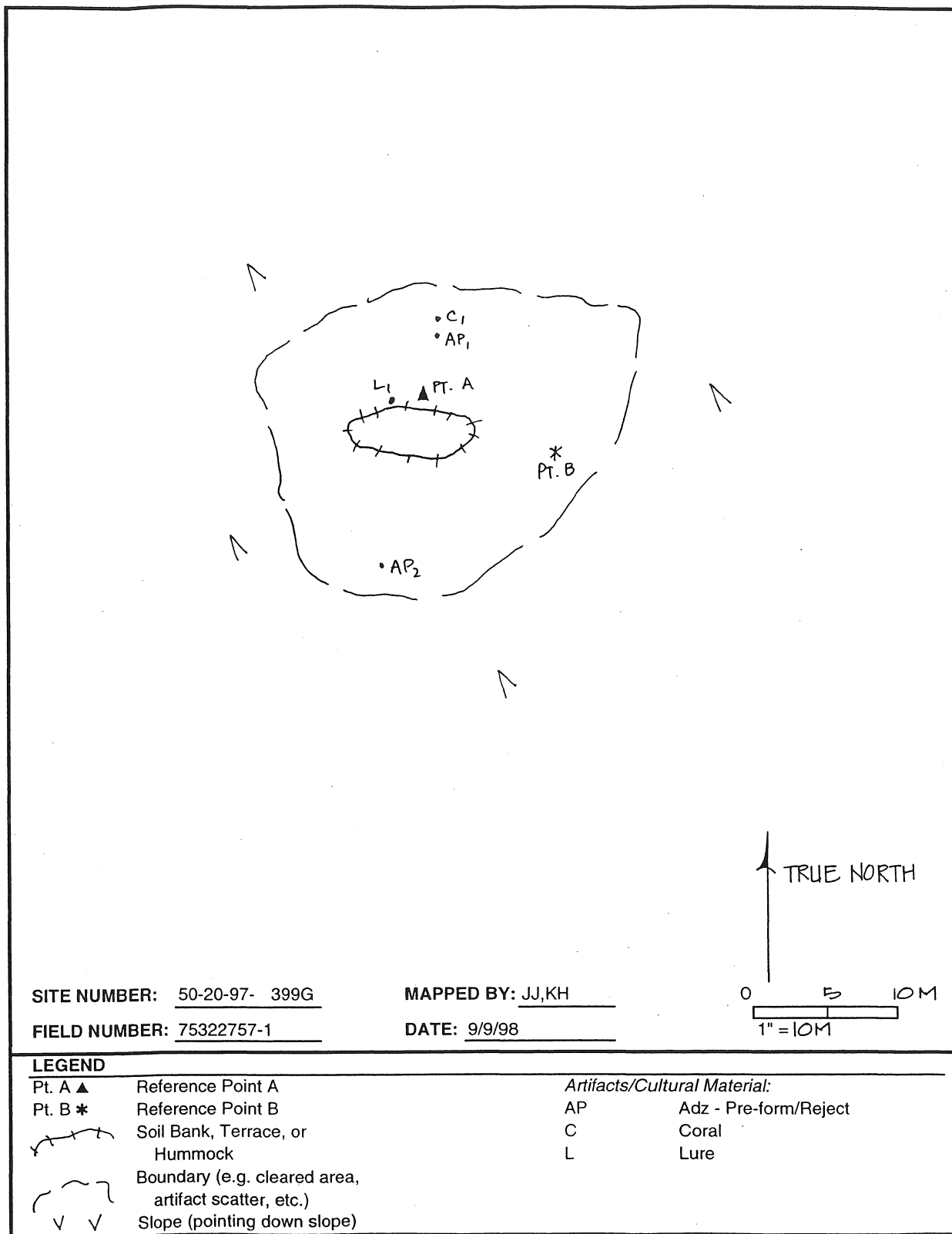


Figure B-191. Site 399, Feature G, Plan Map

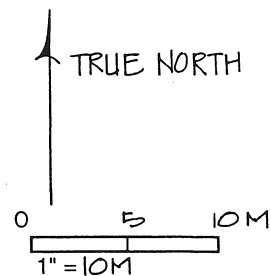


SITE NUMBER: 50-20-97- 399G

MAPPED BY: JJ,KH

FIELD NUMBER: 75322757-1

DATE: 9/9/98



<b>SITE NUMBER (SIHP):</b> 50-20-97-400	<b>FIELD NO.:</b> 75332758-1
<b>FEATURE:</b> A	<b>GMU:</b> 75332758
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 38 m (L) x 34 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 1292 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden	

#### Site Description

Site 400 is a complex of five activity area features located on the northern slope of Moa`ulanui. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7). It sits at approximately 435 m elevation and is within Hommon's Inland Settlement Zone (1980:48). All features of the site, except Feature E, were reidentified within the Lua Makika work area with the use of the photogrammetric maps provided by the Navy. Revegetation efforts by the KIRC surround the northern part of Feature D, and may be the reason Feature E could not be relocated. Constituent features A through D are discussed below.

#### Feature A Description

Feature A of Site 400 consists of a medium-density scatter of cultural materials described on the NRHP Nomination form, except most of the stone tools mentioned in the description were not observed. The firepit reported on the northeast side of the hummock is still visible as a deflated, partially grass-covered concentration of cobbles (Figure B-192). A shell fragment and some basalt flakes were the only cultural materials observed eroding out of the hummock. Artifacts recorded at this feature include one hammerstone and a retouched basalt flake.

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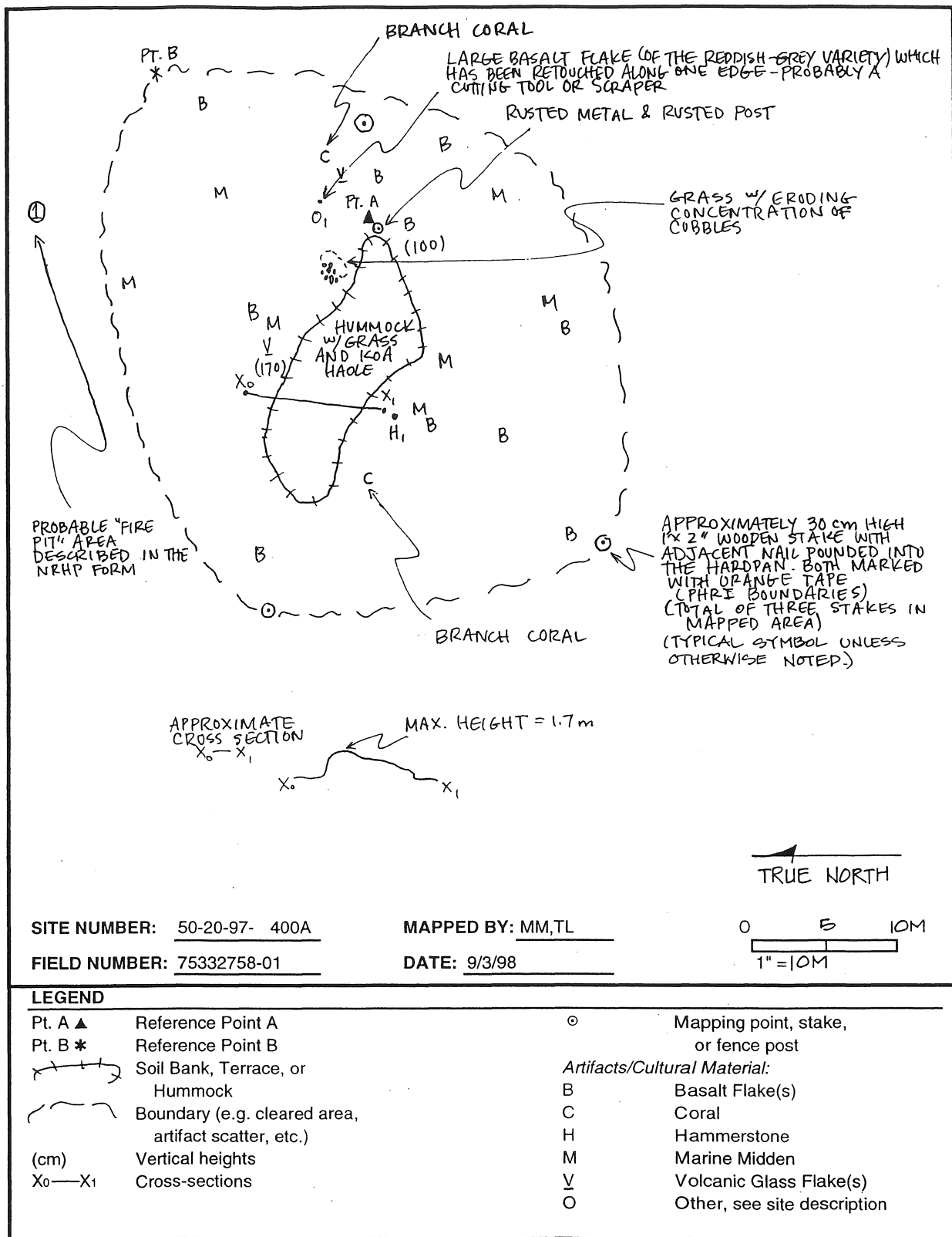
<b>SITE NUMBER (SIHP):</b> 50-20-97-400	<b>FIELD NO.:</b> 75342758-1
<b>FEATURE:</b> B	<b>GMU:</b> 75332758
<b>STATUS:</b> Previously Recorded	<b>WORK AREA:</b> Lua Makika
<b>SETTING:</b> Inland, Hardpan	<b>CULTURAL MATERIAL QUANTITY:</b> > 100 Items
<b>PROBABLE AGE:</b> Prehistoric	<b>CULTURAL MATERIAL DENSITY:</b> Medium
<b>SITE TYPE:</b> Scatter	<b>SITE DIMENSIONS:</b> 53 m (L) x 42 m (W)
<b>SITE FUNCTION:</b> Activity Area	<b>SITE AREA:</b> Approx. 2226 sq. m
<b>MATERIAL CHARACTERISTICS:</b> Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Flakes, Marine Midden	

#### Site Description

Feature B of Site 400 consists of a medium-density scatter of cultural materials described on the NRHP Nomination form, except most of the stone tools mentioned in the description could not be relocated. However, one adz preform/reject was recorded. Very little cultural material was observed eroding out of the hummock, however the thick grass growing on the hummock precluded a thorough investigation of its eroding edge (Figure B-193). The feature as identified is somewhat smaller than originally described, which may be the result of the application of different site definition criteria.



Figure B-192. Site 400, Feature A, Plan Map



The map shows a large, irregularly shaped area labeled 'HUMMOCK (150)' in the center. To the left, there are 'IRONWOOD TREES' and a 'GMU STAKE 75342758'. A dashed line labeled 'B' forms a large loop around the left and top of the hummock. A solid line with cross-ticks labeled 'M' forms a smaller loop around the right and bottom of the hummock. A wavy line at the bottom is labeled 'IRONWOOD TREE LINE'. Two reference points are marked: 'PT. A' with a triangle and 'PT. B' with an asterisk. Slopes are indicated by 'V' symbols. A north arrow and a scale bar (1" = 10 M) are in the bottom right.

**SITE NUMBER:** 50-20-97- 400B  
**FIELD NUMBER:** 75342758-1  
**MAPPED BY:** MM,TL  
**DATE:** 8/3/98

**LEGEND**

Pt. A ▲	Reference Point A	(cm)	Vertical heights
Pt. B *	Reference Point B		Treeline/Vegetation (as noted)
V V	Slope (pointing down slope)		
	Soil Bank, Terrace, or Hummock	□	GMU Stake
	Boundary (e.g. cleared area, artifact scatter, etc.)	<b>Artifacts/Cultural Material:</b>	
		AP	Adz - Pre-form/Reject
		B	Basalt Flake(s)
		M	Marine Midden

**SITE NUMBER (SIHP):** 50-20-97-400  
**FEATURE:** C  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75332757-1  
**GMU:** 75332757  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** Medium  
**SITE DIMENSIONS:** 40 m (L) x 10 m (W)  
**SITE AREA:** Approx. 400 sq. m

**MATERIAL CHARACTERISTICS:**

Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden Form

**Site Description**

This feature of Site 400 consists of a medium-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of a few fragments of branch coral. The cultural materials are resting directly on hardpan. Just to the east of the feature is a recent planting area of the KIRC (Figure B-194). Portions of the lithic scatter have been concentrated into pockets, presumably by hydrologic erosion. Artifacts recorded at this feature include three adz preforms, and one finished adz.

**SITE NUMBER (SIHP):** 50-20-97-400  
**FEATURE:** D  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75332756-1  
**GMU:** 75332756  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 44 m (L) x 33 m (W)  
**SITE AREA:** Approx. 1452 sq. m

**MATERIAL CHARACTERISTICS:**

Adz Preforms/Rejects, Basalt Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Feature D of Site 400 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. Artifacts recorded at this feature include one adz preform/reject, one hammerstone, and one miscellaneous basalt artifact. The cultural materials are resting directly on hardpan. Ordnance impact craters with *koa haole* growing out of them line the eastern boundary and a large hummock sits on the western boundary. Revegetation efforts by the KIRC surround the northern part of the site (Figure B-195). The feature as identified is somewhat smaller than originally described, which may be due to the bombing or the KIRC revegetation efforts.

Figure B-194. Site 400, Feature C, Plan Map

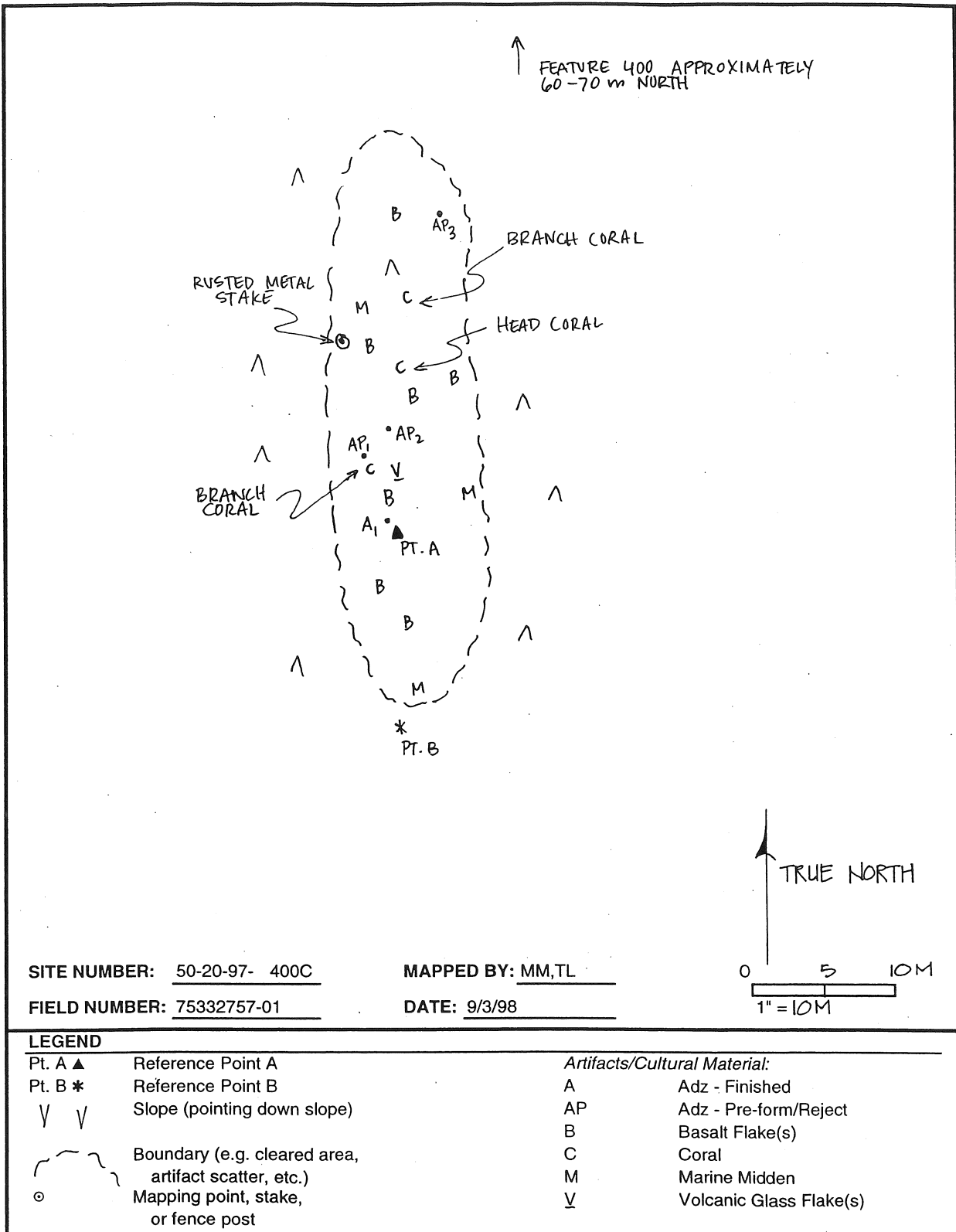
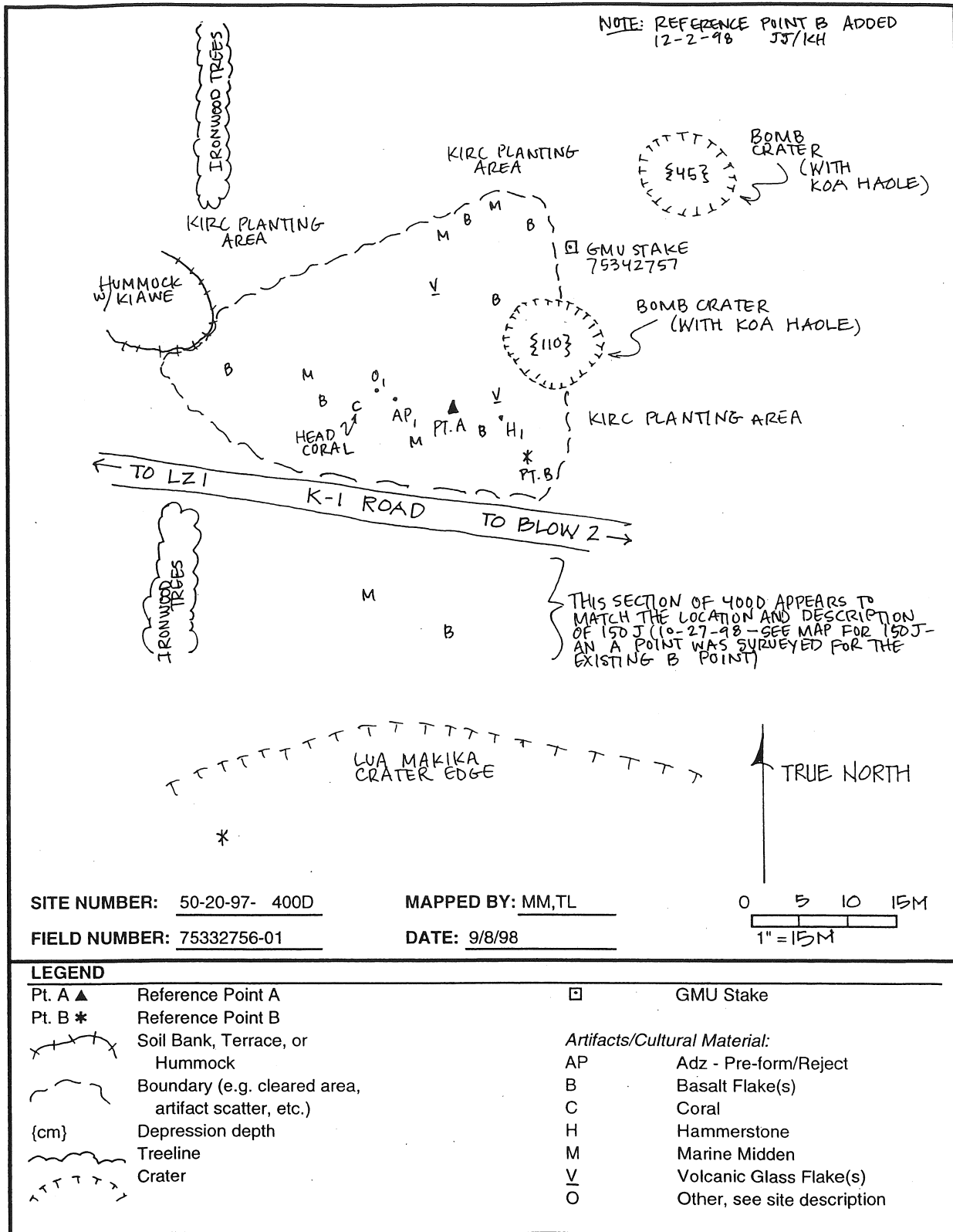


Figure B-195. Site 400, Feature D, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-401

**FEATURE:** A

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75342757-1

**GMU:** 75342757

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** low

**SITE DIMENSIONS:** 60 m (L) x 35 m (W)

**SITE AREA:** Approx. 2100 sq. m

**Site Description**

Site 401 is a complex of 14 activity area features located on the northern slope of Moa`ulanui. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7). The site sits at an elevation of approximately 435 m and is within Hommon's Inland Settlement Zone (1980:48). All features of the site were reidentified within the Lua Makika work area with the use of the photogrammetric maps provided by the Navy. The constituent features (A through N) are discussed below.

**Feature A Description**

Feature A is a cultural material scatter consisting of basalt debitage, marine shell, volcanic glass, and some scattered pieces of branch coral, generally as described on the NRHP Nomination form. Cultural materials are scattered on hardpan about an eroding hummock (Figure B-196). There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. Artifacts recorded at this feature include a nearly completed adz (lacking polishing), a basalt core, and two adz preform/rejects.

---

**SITE NUMBER (SIHP):** 50-20-97-401

**FEATURE:** B

**STATUS:** Previously Recorded

**SETTING:** Inland, Hardpan

**PROBABLE AGE:** Prehistoric

**SITE TYPE:** Scatter

**SITE FUNCTION:** Activity Area

**MATERIAL CHARACTERISTICS:**

Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75342757-2

**GMU:** 75342757

**WORK AREA:** Lua Makika

**CULTURAL MATERIAL QUANTITY:** 11-100 Items

**CULTURAL MATERIAL DENSITY:** Low

**SITE DIMENSIONS:** 50.5 m (L) x 20 m (W)

**SITE AREA:** Approx. 1010 sq. m

**Site Description**

Feature B of Site 401 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description. Marine shell species observed include *Thaididae* and *Cypraea spp.* One adz preform/reject and one basalt awl also were recorded. Cultural materials are visible on eroded hardpan that comprises most of the site surface area. The surrounding vegetation is predominantly *koa haole* and *kiawe*, with unidentified grasses intermittently distributed across the hardpan. The feature is flanked by a small hummock along the southwestern boundary, and two larger hummocks comprise the northwestern and eastern boundaries (Figure B-197). The feature as identified is somewhat smaller than originally described, which may be the result of the application of different site definition criteria.

Figure B-196. Site 401, Feature A, Plan Map

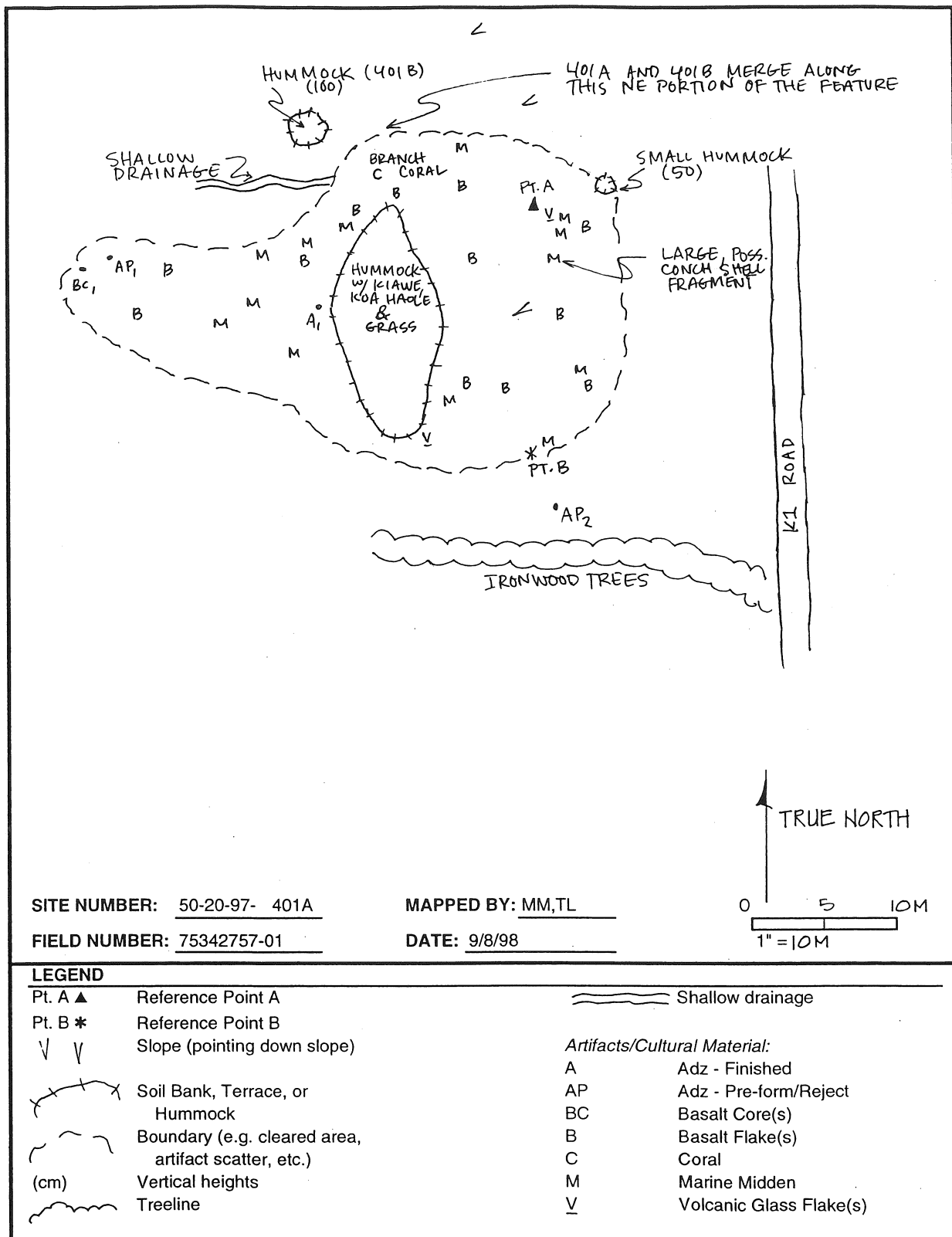
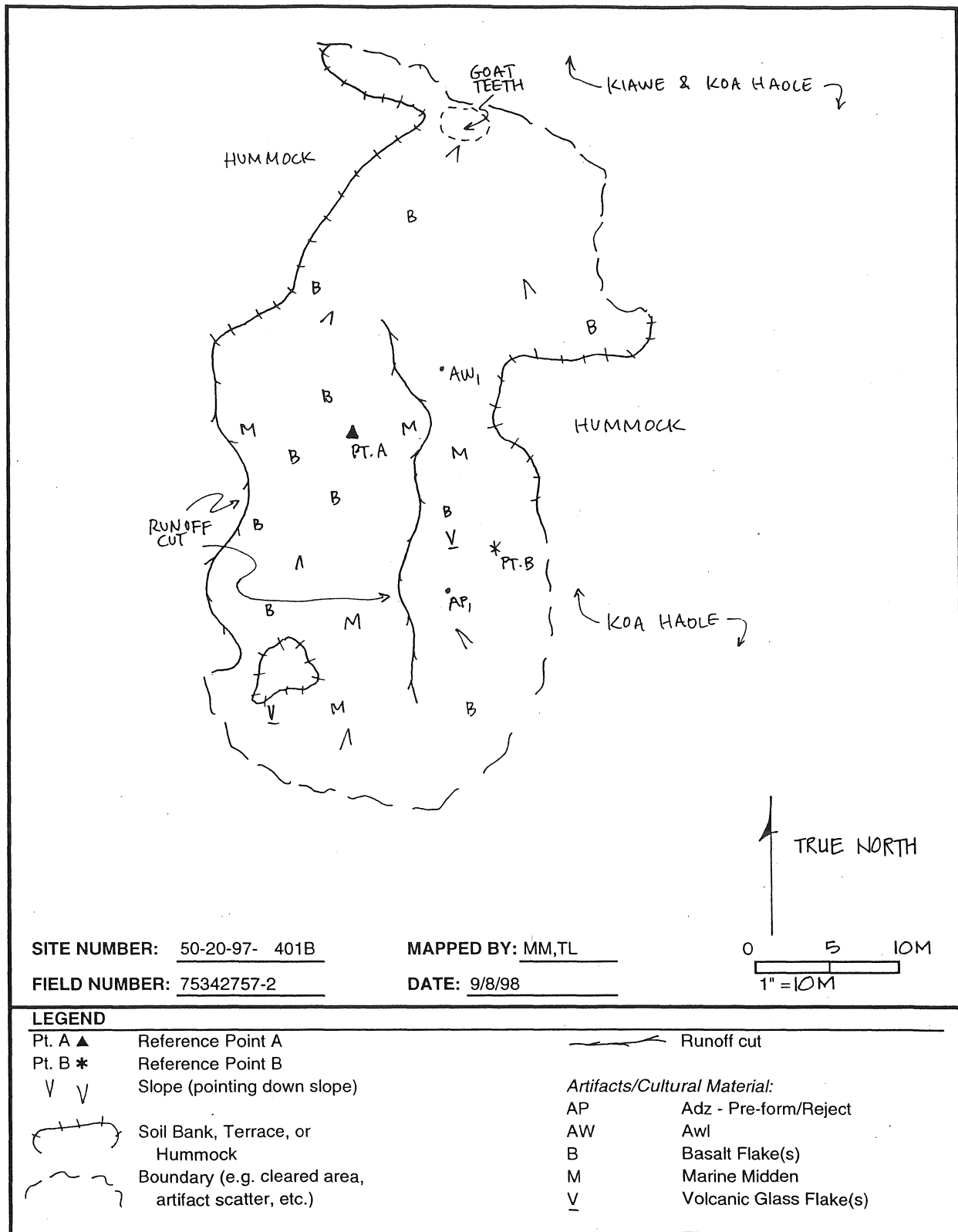


Figure B-197. Site 401, Feature B, Plan Map





**SITE NUMBER (SIHP):** 50-20-97-401  
**FEATURE:** C  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Abrader, Fractured Basalt, Finished adz, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75352757-1  
**GMU:** 75352757  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** > 100 Items  
**CULTURAL MATERIAL DENSITY:** High  
**SITE DIMENSIONS:** 93 m (L) x 67 m (W)  
**SITE AREA:** Approx. 6231 sq. m

#### Site Description

Feature C of Site 401 consists of a high-density scatter of cultural materials listed in the NRHP Nomination form description. Artifacts recorded at this feature include one adz, five adz preform/rejects, two hammerstones, one basalt core, four coral abraders, one basalt awl, two basalt scrapers, and two miscellaneous artifacts. The cultural materials are scattered on hardpan in an area surrounding two hummocks, in which ten firepits were originally observed (Figure B-198). The hummock areas excavated by SMI (Hommon 1981) were identified by the window screen that was used when the excavations were filled. The feature is generally bare of vegetation, except for the scattered grass and *koa haole* and grass-covered hummocks. This very dense artifact scatter is located just north of the K-1 Road and very near the rim of the Moa'ulanui crater (Figure xx). To the east and west, tamarisk tree-line windbreaks bound the feature. At the north end of the feature the gentle 10 to 15 degree slope is broken by a number of shallow drainage gullies. Cultural materials from the feature are moving down slope into those gullies. The feature as identified is somewhat smaller than originally described, which may be the result of the application of different site definition criteria.

**SITE NUMBER (SIHP):** 50-20-97-401  
**FEATURE:** D  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area  
**MATERIAL CHARACTERISTICS:**  
Fractured Basalt, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**FIELD NO.:** 75362757-1  
**GMU:** 75362757  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 25 m (L) x 15 m (W)  
**SITE AREA:** Approx. 375 sq. m

#### Site Description

Feature D of Site 401 consists of a generally low-density scatter of fractured basalt, basalt flakes, volcanic glass, and marine shell midden (*Cellana* and *Cypraea spp.*). Artifacts recorded at this feature include one adz preform/reject, one basalt awl, and one biface. There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. Cultural materials are visible on hardpan adjacent to an eroding hummock (Figure B-199). There is also a layer of charcoal and marine midden (possible firepit with fractured rock) in the side of the hummock. Surrounding vegetation is comprised of *kiawe*, *koa haole*, unknown grasses, and a tamarisk tree-line windbreak.

Figure B-198. Site 401, Feature C, Plan Map

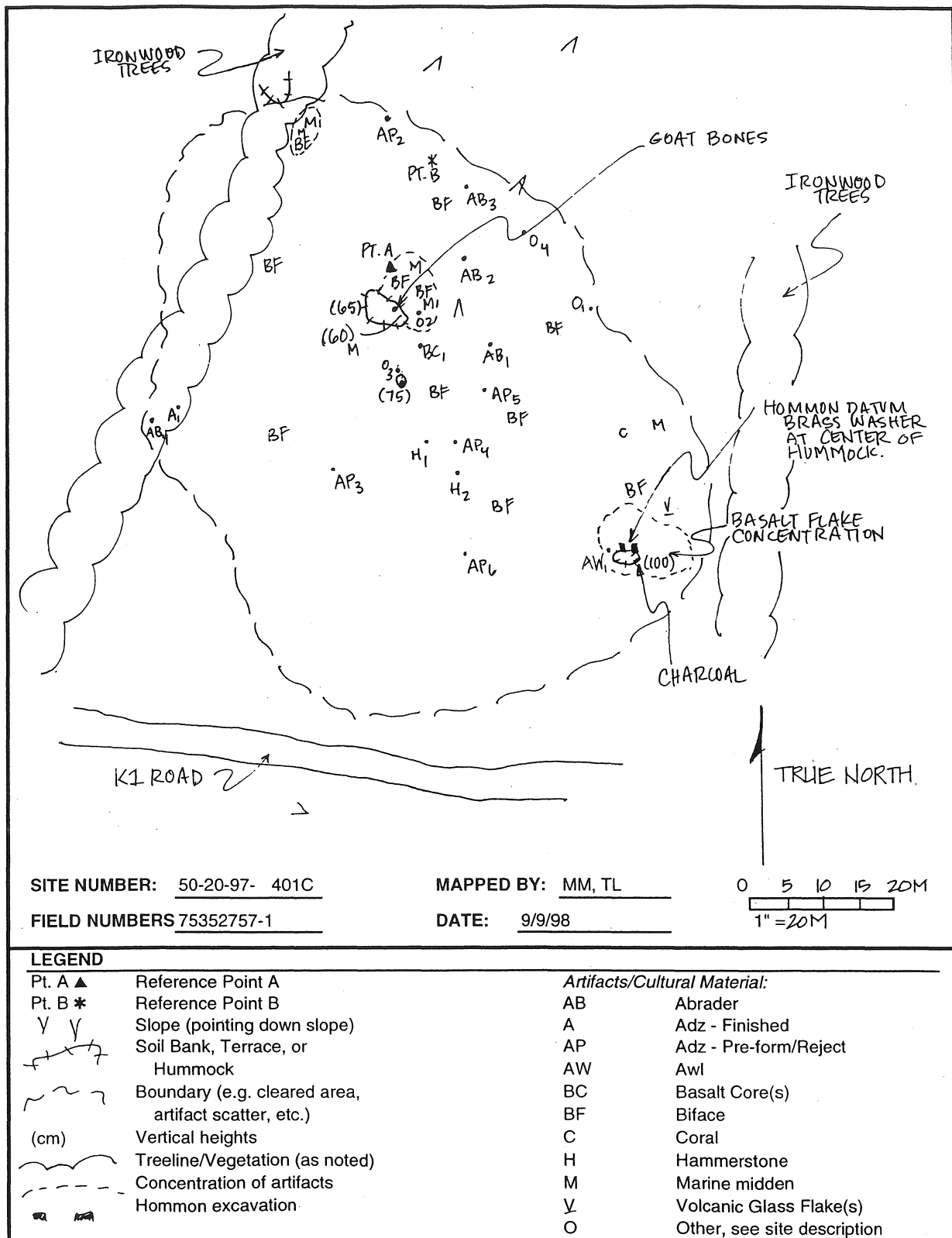
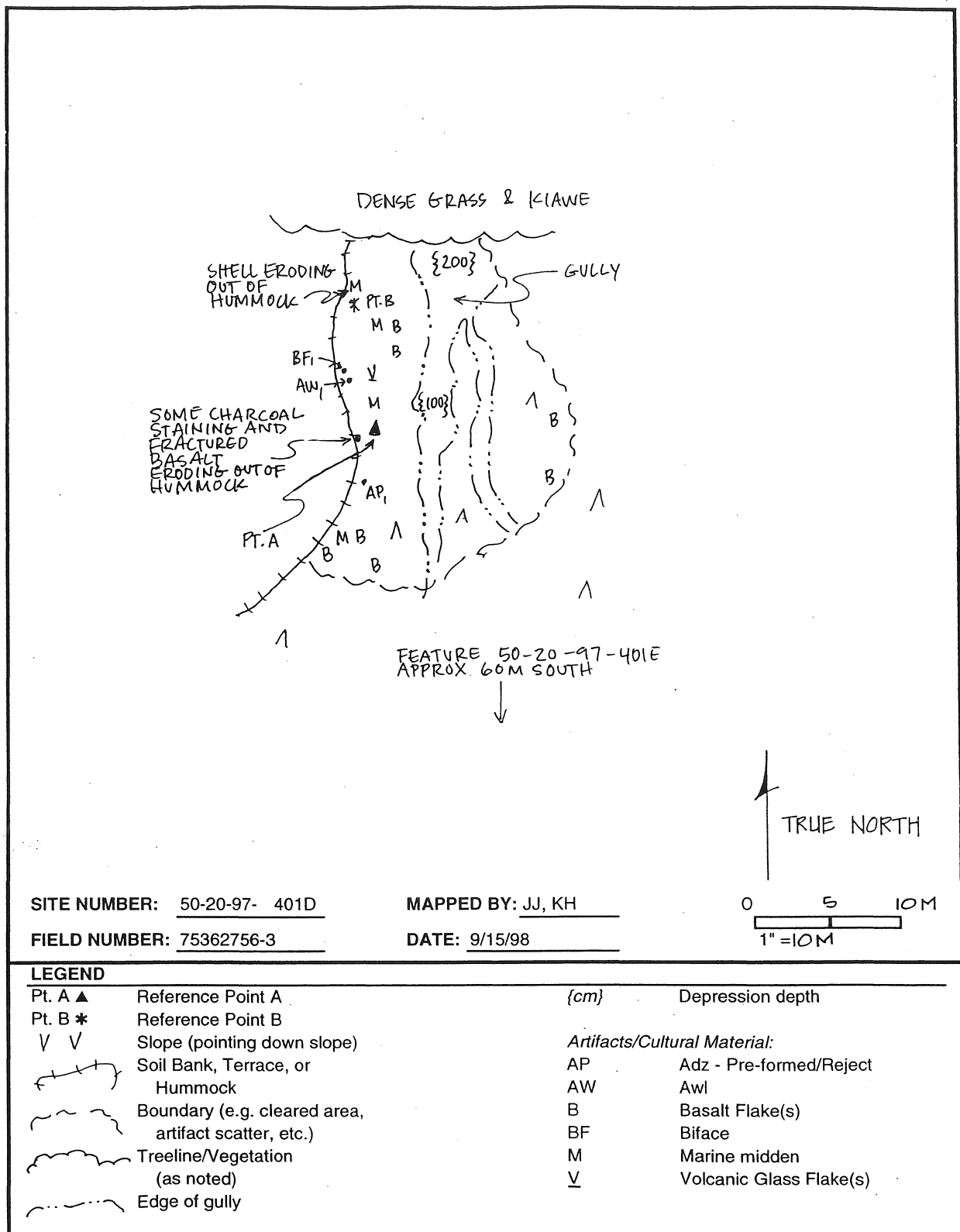


Figure B-199. Site 401, Feature D, Plan Map



**SITE NUMBER (SIHP):** 50-20-97-401  
**FEATURE:** E  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75362756-1  
**GMU:** 75362756  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 55 m (L) x 50 m (W)  
**SITE AREA:** Approx. 2750 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Flakes, Marine Midden

**Site Description**

Feature E of Site 401 consists of a generally low-density scatter of fractured basalt, volcanic glass and basalt flakes, fragments of branch and head coral, waterworn cobbles, and shell midden (*Cellana*, *Thaididae*, and *Cypraea spp.*). Artifacts recorded at this feature include two adz preform/rejects, one hammerstone, and one basalt scraper. There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. The surrounding vegetation is comprised of *kiawe*, *koa haole*, unknown grasses, and a tamarisk tree-line windbreak (Figure B-200).

**SITE NUMBER (SIHP):** 50-20-97-401  
**FEATURE:** F  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75362756-2  
**GMU:** 75362756  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 60 m (L) x 50.5 m (W)  
**SITE AREA:** Approx. 3030 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden

**Site Description**

This feature of Site 401 consists of a mostly low-density scatter of fractured basalt, basalt flakes, and marine shell midden (*Cellana*, *Thaididae* and *Cypraea spp.*). Fractured basalt is distributed in distinct concentrations across the site, while the other cultural remains are widely dispersed. Artifacts recorded at this feature include one hammerstone, two basalt cores, and one biface. The surrounding vegetation is comprised of *kiawe*, *koa haole*, unidentified grasses, and a tamarisk tree-line windbreak (Figure B-201).

**SITE NUMBER (SIHP):** 50-20-97-401  
**FEATURE:** G  
**STATUS:** Previously Recorded  
**SETTING:** Inland, Hardpan  
**PROBABLE AGE:** Prehistoric  
**SITE TYPE:** Scatter  
**SITE FUNCTION:** Activity Area

**FIELD NO.:** 75382756-1  
**GMU:** 75382756  
**WORK AREA:** Lua Makika  
**CULTURAL MATERIAL QUANTITY:** 11-100 Items  
**CULTURAL MATERIAL DENSITY:** Low  
**SITE DIMENSIONS:** 35 m (L) x 30 m (W)  
**SITE AREA:** Approx. 1050 sq. m

**MATERIAL CHARACTERISTICS:**

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

**Site Description**

Feature G of Site 401 consists of a low-density scatter of cultural material listed in the NRHP Nomination form description. The terrain at the feature is hardpan with erosion channels, and the vegetation consists of small patches of low grasses. Cultural materials are visible on the hardpan between the isolated patches of grass-covered shallow soils. One basalt biface and one adz preform/reject were recorded at this feature (Figure B-202).

50-20-97-150H

TO BLOW TWO

* PT. B

FEATURE 50-20-97-401F

M B

AP₂

B

K1 ROAD

BRANCH CORAL C

M

PT. A

IRONWOOD TREES

MODEL FEATURE MARKER

AP₁

B

M

CONCENTRATION OF FRACTURED BASALT

SHALLOW DRAINAGE CHANNELS

40-50 M TO FEATURE 50-20-97-401D

TRUE NORTH

0 5 10 15M

1" = 15M

SITE NUMBER: 50-20-97- 401E

MAPPED BY: MM, TL

FIELD NUMBER: 75362756-1

DATE: 9/16/98

**LEGEND**

Pt. A ▲	Reference Point A	Artifacts/Cultural Material:	
Pt. B *	Reference Point B	AP	Adz - Pre-form/Reject
~~~~~	Boundary (e.g. cleared area, artifact scatter, etc.)	B	Basalt Flake(s)
~~~~~	Treeline/Vegetation (as noted)	C	Coral
~~~~~	Edge of gully/channel (as noted)	H	Hammerstone
		M	Marine midden
		O	Other, see site description

Figure B-201. Site 401, Feature F, Plan Map

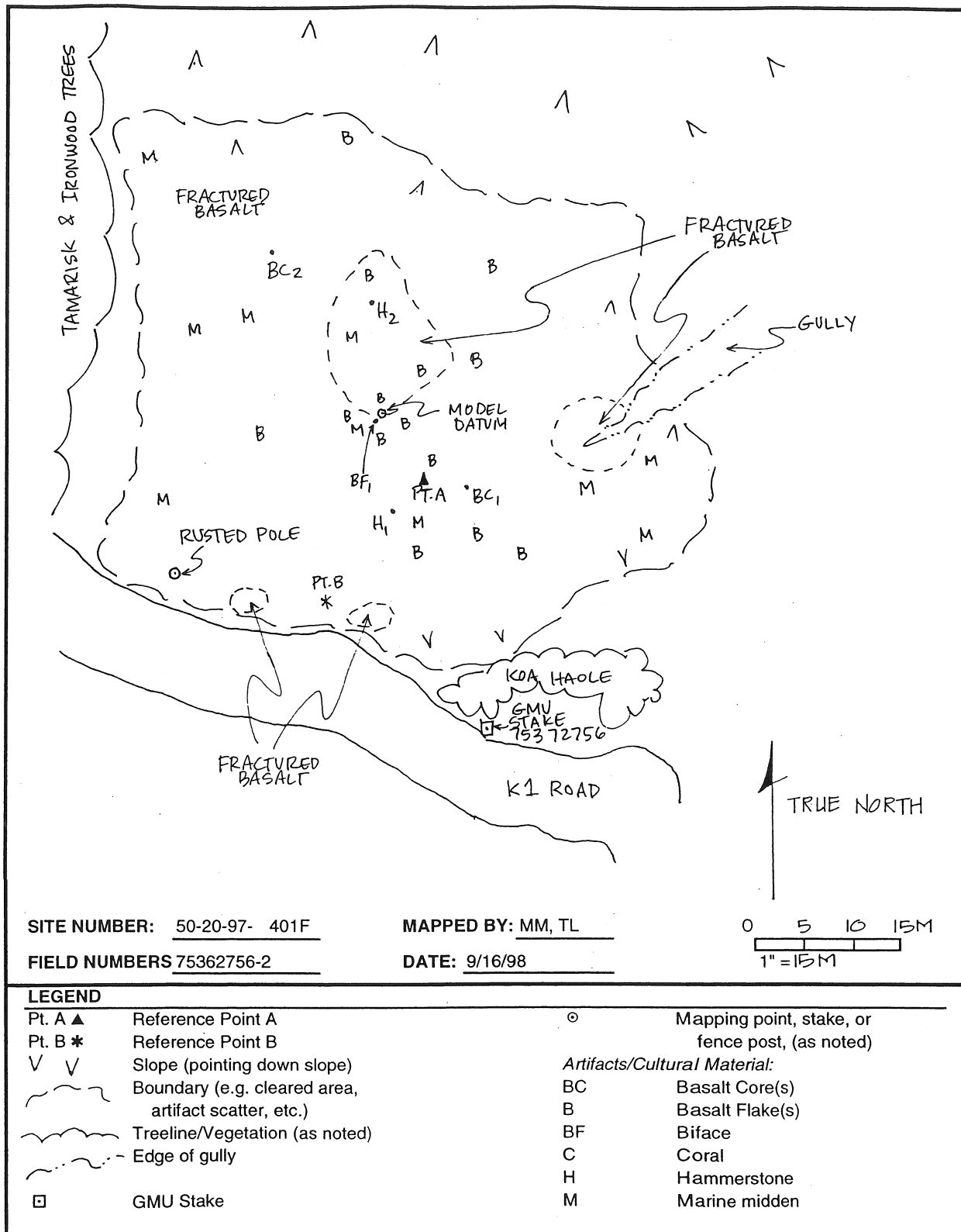
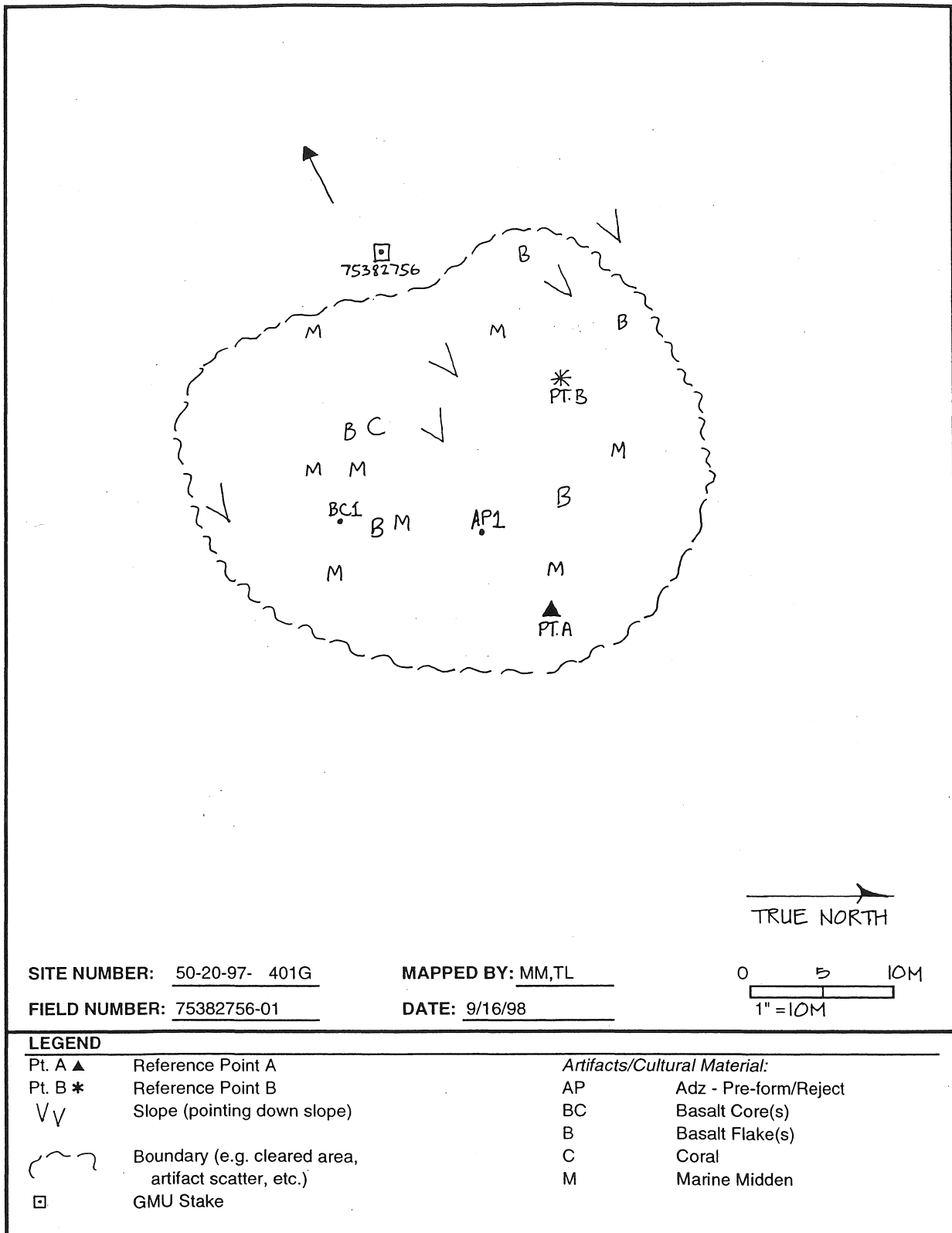


Figure B-202. Site 401, Feature G, Plan Map



SITE NUMBER (SIHP): 50-20-97-401
FEATURE: H
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

Site Description

Feature H of Site 401 consists of a low-density scatter of cultural materials listed in the NRHP Nomination description. There are areas of the feature where cultural materials are in medium-density concentrations, but the overall density is low. Artifacts recorded at this feature include one adz preform/reject, two hammerstones, one *ulu maika*, and one miscellaneous artifact (Figure B-203).

SITE NUMBER (SIHP): 50-20-97-401
FEATURE: I
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

Feature I of Site 401 consists of a high-density scatter of cultural materials listed in the NRHP Nomination form description. More marine shell and fewer adz performs were observed than were mentioned in the NRHP description. Artifacts recorded at this feature include one adz, one adz preform/reject, four hammerstones, three basalt cores, and one coral abrader. The site boundaries are not easily distinguished from the surrounding Site 401 features K and J, as the material culture scatter is generally continuous. The north boundary of the site consists of the former Jeep road to Hakioawa (Figure B-204). To the east and northeast, erosive channels and shallow gullies bound the feature. The feature as identified is somewhat smaller than originally described, which may be the result of the application of different site definition criteria.

SITE NUMBER (SIHP): 50-20-97-401
FEATURE: J
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

Volcanic Glass, Basalt Artifacts, Basalt Flakes

Site Description

Feature 401-J is a high-density concentration of fractured basalt, basalt cores and flakes, volcanic glass, and a few fragments of *Cellana spp.* The material characteristics are consistent with the NRHP description, with the exception of the lack of volcanic glass cores. Artifacts recorded at this feature include one hammerstone and one basalt core. This feature is immediately adjacent to the southeastern boundary of feature 401-K (Figure B-204).

Figure B-203. Site 401, Feature H, Plan Map

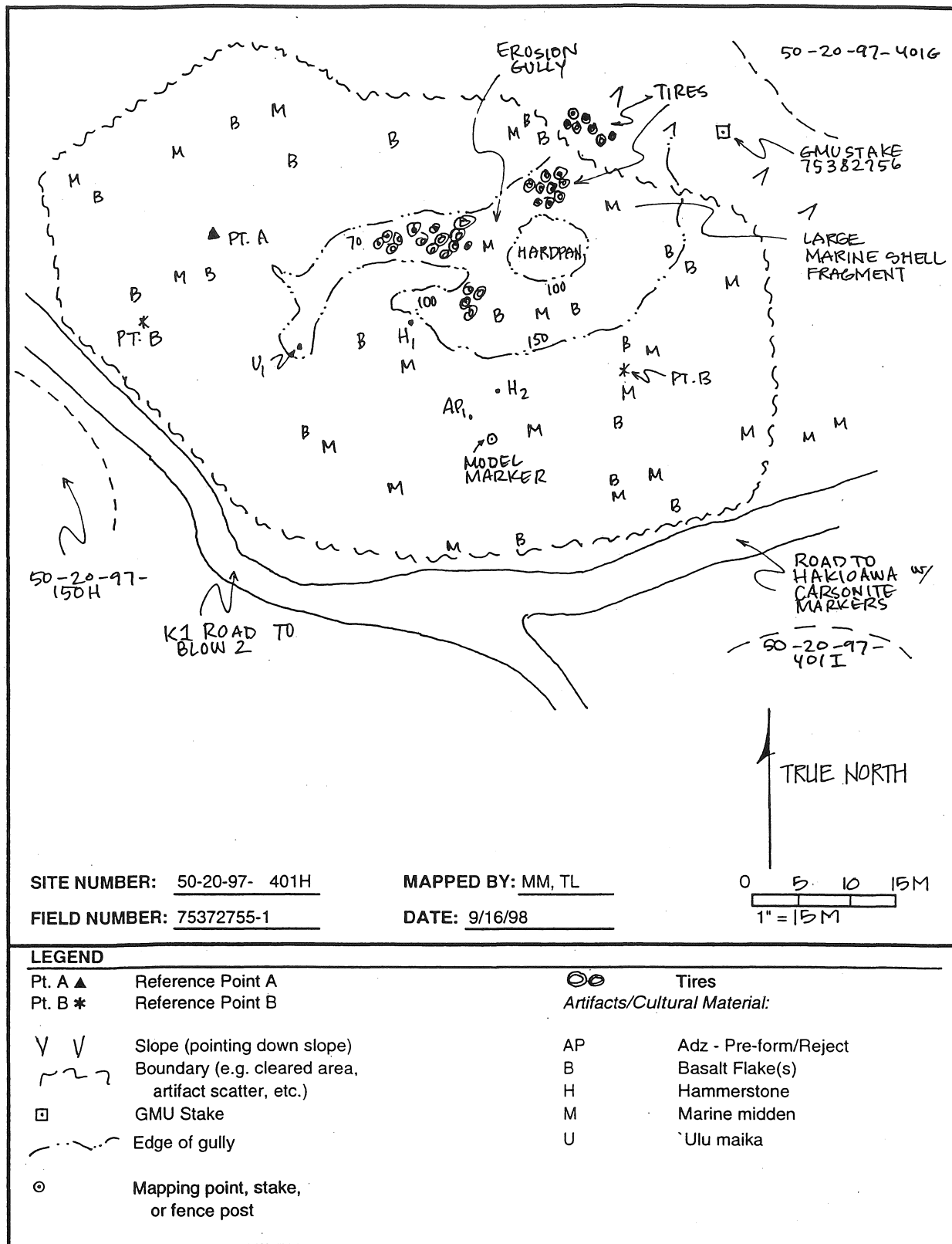
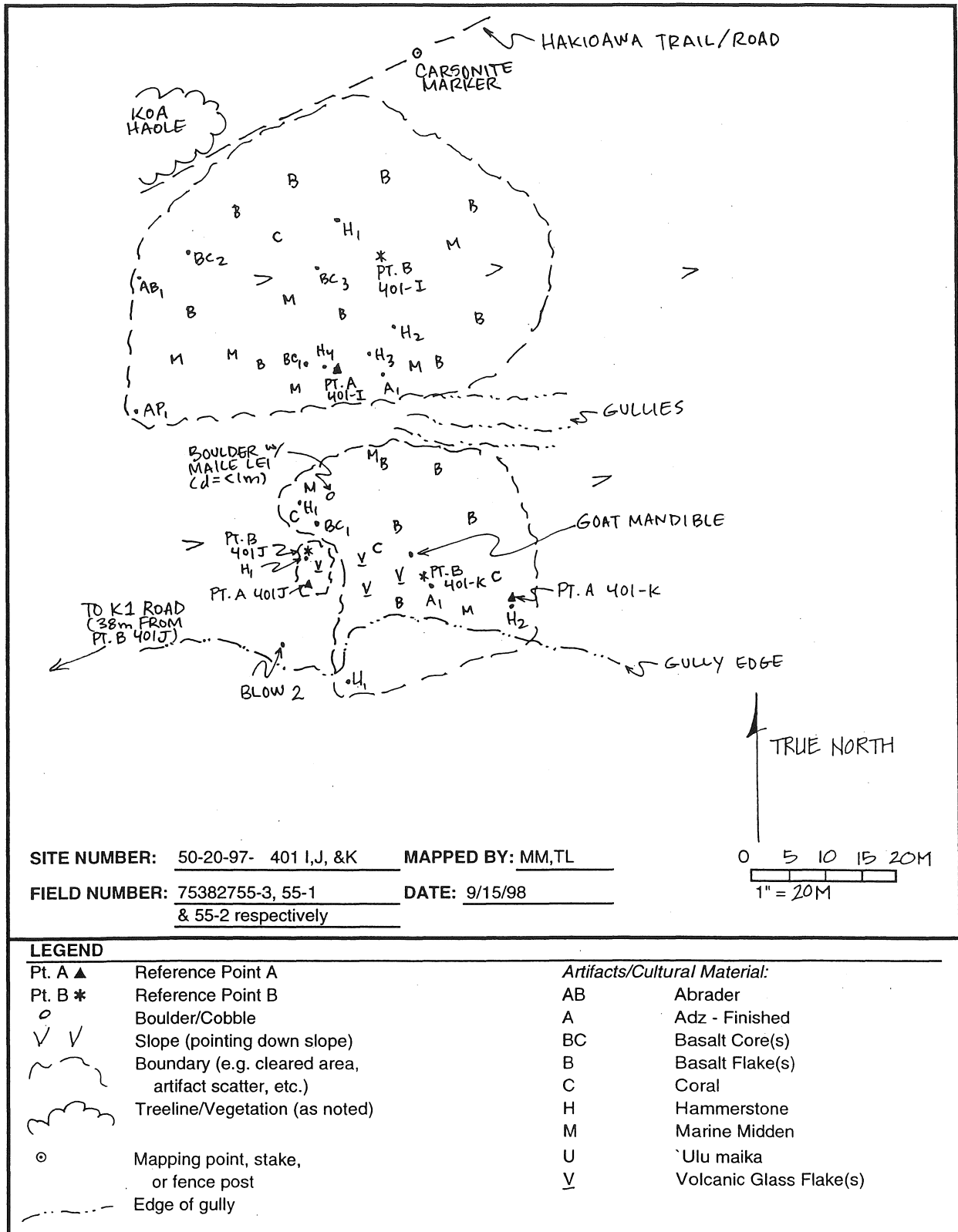


Figure B-204. Site 401, Features I, J and K, Plan Map



SITE NUMBER (SIHP): 50-20-97-401
FEATURE: K
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area

FIELD NO.: 75382755-2
GMU: 75382755
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: 11-100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 53 m (L) x 30 m (W)
SITE AREA: Approx. 1590 sq. m

MATERIAL CHARACTERISTICS:

Fractured Basalt, Finished adz, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

Feature K of Site 401 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, though the types of recorded artifacts differ somewhat. Artifacts recorded at this feature include one adz, two hammerstones, and two basalt cores. There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. An ordnance impact crater measuring approximately 4.0 to 5.0 meters in diameter and 1.0 meter in depth is located adjacent to the southern portion of the site (Figure B-204). This feature is directly adjacent to Site 401 Features J and I. The feature as identified is somewhat smaller than originally described, which may be the result of the application of different site definition criteria. The reduction in size also may be due to the erosion channels and gully that surround the feature to the east and south.

SITE NUMBER (SIHP): 50-20-97-401
FEATURE: L
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area

FIELD NO.: 75362758-1
GMU: 75362758
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: 11-100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 75 m (L) x 34 m (W)
SITE AREA: Approx. 2550 sq. m

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Intact Cultural Layer, Basalt Flakes, Marine Midden

Site Description

Feature L of Site 401 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the exception of the *Cellana spp.* shell and adz blank that were not relocated. Materials are visible on the eroded hardpan surface adjacent to a large eroding hummock. One shell of *Thaididae spp.* was observed eroding out of the hummock. Eroding hummocks bound the western end of the site, and the surrounding vegetation consists of *koa haole*, *kiawe*, and unidentified grasses (Figure B-205). The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

SITE NUMBER (SIHP): 50-20-97-401
FEATURE: M
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

FIELD NO.: 75352758-1
GMU: 75352758
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: 11-100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 66 m (L) x 45 m (W)
SITE AREA: Approx. 2970 sq. m

Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Basalt Flakes, Marine Midden

Site Description

Feature M of Site 401 consists of a low-density scatter of cultural materials listed in the NRHP Nomination form description, with the exception of the basalt scraper that was not relocated. One adz preform/reject and one volcanic glass core were recorded at this feature. Cultural materials are visible on the eroded hardpan surface surrounding a large eroding hummock, and there are other hummocks surrounding the feature (Figure B-206). The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

SITE NUMBER (SIHP): 50-20-97-401
FEATURE: N
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

FIELD NO.: 75352759-1
GMU: 75352759
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: > 100 Items
CULTURAL MATERIAL DENSITY: Medium
SITE DIMENSIONS: 136 m (L) x 50 m (W)
SITE AREA: Approx. 6800 sq. m

Fractured Basalt, Intact Cultural Layer, Volcanic Glass, Basalt Flakes, Marine Midden

Site Description

Feature N of Site 401 consists of a medium-density scatter of cultural materials listed in the NRHP Nomination form description which is situated adjacent to an eroding hummock (Figure B-207). The firepit visible in the side of the hummock that was mentioned in the NRHP description was not relocated. However, one adz preform/reject was recorded at this feature. Cultural materials are visible on the eroded hardpan surface adjacent to a large eroding hummock, and there are large boulders dispersed throughout. The surrounding vegetation consists of lantana, *koa haole*, *kiawe*, unidentified grasses, and a tamarisk tree-line windbreak. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

ALIGNMENT OF CARSONITE MARKERS ON TRAIL TO HAKIOAWA

GULLY

GMU STAKE 75362759

FIELD NO. 75362758-01 (CSH TO MODEL)

PT. B *

PT. A

HUMMOCK w/ GRASS & KOA HAOLE (210)

GRASS, KIAWE KOA HAOLE (230)

GRASS, KIAWE KOA HAOLE (180)

PT. A

PT. B *

FIELD NO. 75362758-02

SHALLOW DRAINAGE

GRASS, KIAWE KOA HAOLE (170)

GRASS, KIAWE KOA HAOLE (200)

KIAWE, GRASS & KOA HAOLE

GMU STAKE 75362758 (OFFSET 5M EAST)

TRUE NORTH

0 5 10 15M

1" = 15M

SITE NUMBER: 50-20-97- 401L

MAPPED BY: MM, TL

FIELD NUMBERS 75362758-01,

DATE: 9/10/98

LEGEND

Pt. A ▲	Reference Point A	Edge of gully/channel (as noted)
Pt. B *	Reference Point B	(cm)
V V	Slope (pointing down slope)	Vertical heights
Soil Bank, Terrace, or Hummock		GMU Stake
Boundary (e.g. cleared area, artifact scatter, etc.)		
Shallow drainage		

Artifacts/Cultural Material:

B	Basalt Flake(s)
M	Marine midden
V	Volcanic Glass Flake(s)

Figure B-206. Site 401, Feature M, Plan Map

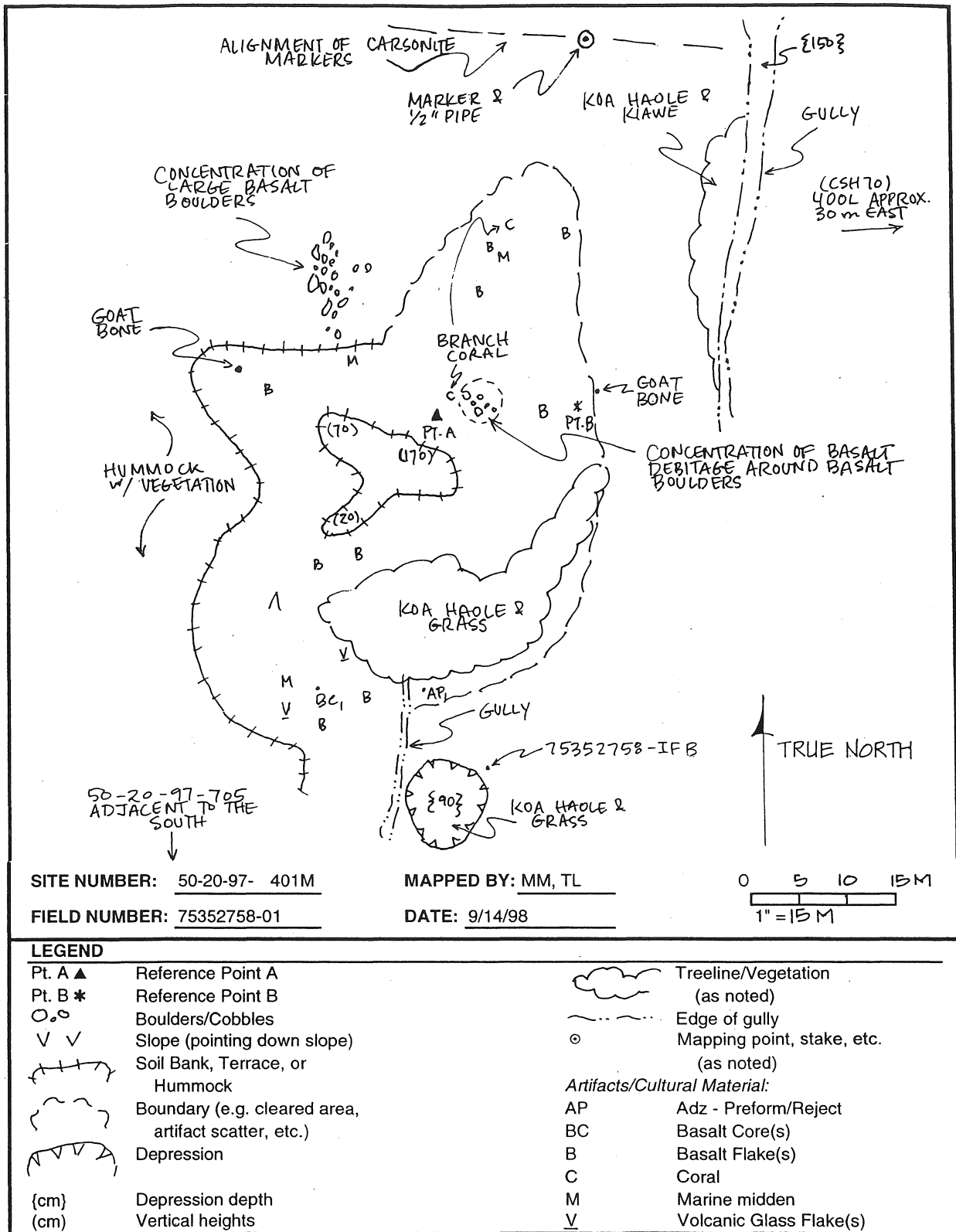
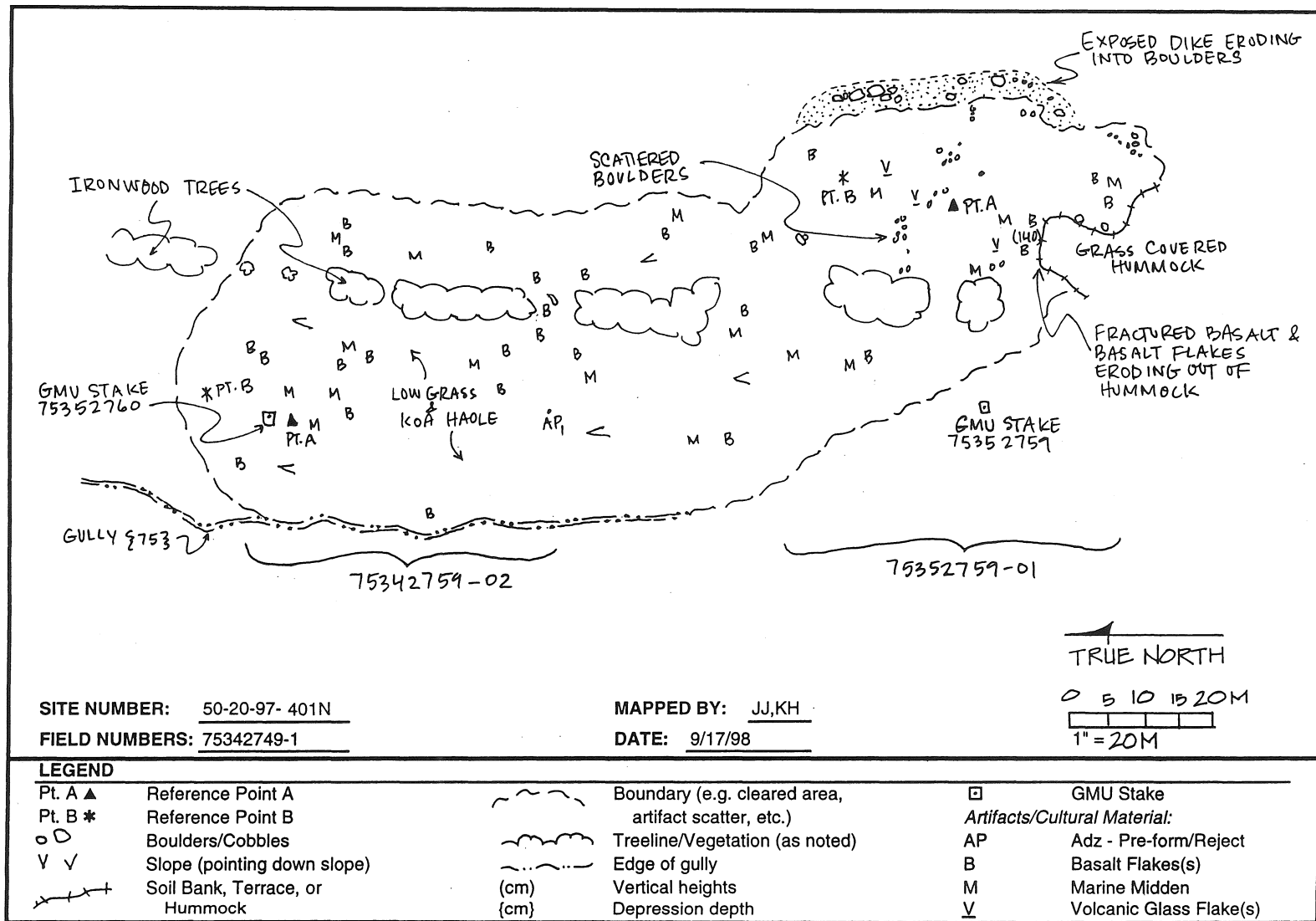


Figure B-207. Site 401, Feature N, Plan Map



SITE NUMBER (SIHP): 50-20-97-402
FEATURE: A
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

FIELD NO.: 75382757-1
GMU: 75382757
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: < 10 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 83 m (L) x 50 m (W)
SITE AREA: Approx. 4150 sq. m

Fractured Basalt, Basalt Flakes, Fireplace, Marine Midden

Site Description

Feature A of Site 402 consists of a very low-density scatter of cultural material located along the west side of a gully amid eroding hummocks, one of which contains the remains of firepit. The cultural material consists of a small amount of fractured basalt, basalt flakes, and marine shell midden. The firepit is eroding out of the northeast face of a hummock in the western portion of the site. The firepit consists of a concentration of charcoal, fire-cracked rock, and thermally altered (reddened) soil. It measures 50 cm long by 12 cm thick, and it is 50 cm below the present surface of the hummock.

The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7; Figure B-208). The site sits at an elevation of approximately 427 m and is within Hommon's Inland Settlement Zone (1980:48). Cultural materials are visible on hardpan, and the surrounding hummocks are vegetated by grasses and *koa haole*.

Feature B could not be recognized because most of the surrounding terrain contains the same very low-density scatter of cultural material, consisting of the occasional basalt flake or marine shell. This type of scatter does not meet the site definition criteria of this project (see Appendix A). Therefore, the establishment of any boundaries to define a feature would be arbitrary.

SITE NUMBER (SIHP): 50-20-97-403
FEATURE: A
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

FIELD NO.: 75262757-1
GMU: 75262757
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: 11-100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 28 m (L) x 26 m (W)
SITE AREA: Approx. 728 sq. m

Finished adz, Adz Preforms/Rejects, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

Site 403 is a complex of two activity area features located on the northwestern slope of Moa`ulanui, near the head of Kaulana Gulch. The site is situated in a mostly denuded area, except for the hummocks from which these features are eroding (Figure 3-7). The site sits at an elevation of approximately 410 m and is within Hommon's Inland Settlement Zone (1980:48). Both features A and B of the site were reidentified within the Lua Makika work area with the use of the photogrammetric maps provided by the Navy and are discussed below.

Feature A Description

Feature A of Site 403 consists of a low-density scatter of cultural materials surrounding a small oval-shaped hummock as described on the NRHP Nomination form (Figure B-209). Artifacts recorded at this feature include three adzes, two adz preform/rejects, one hammerstone, one basalt scraper, and two bifaces. Most of the cultural material is on the northern side of the hummock. The variety of types and the quantity of tool fragments are higher than the other sites recorded in the immediate vicinity. To the east of the site is a large basalt boulder, and there are more of them up-slope to the north and east. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

Figure B-208. Site 402, Feature A, Plan Map

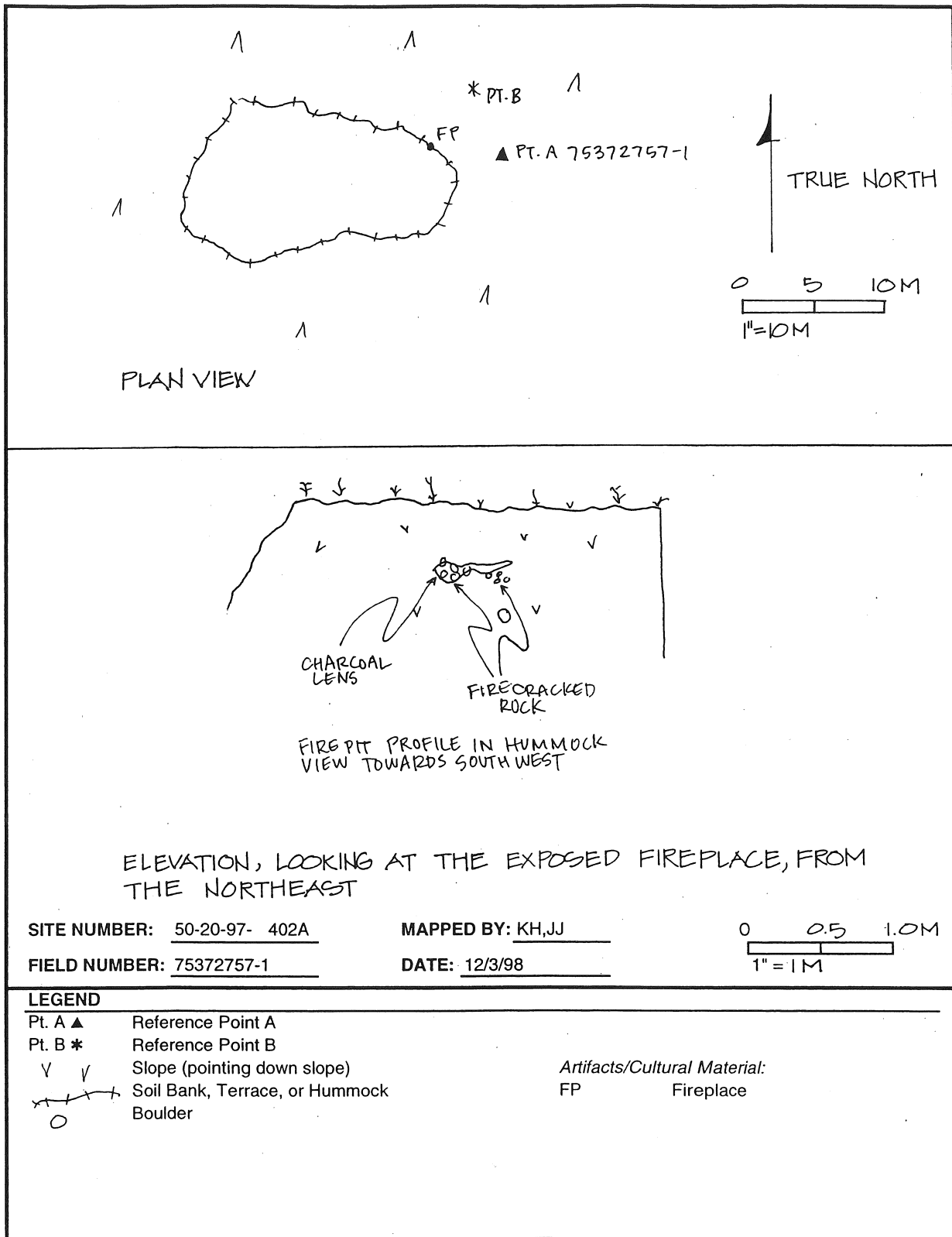
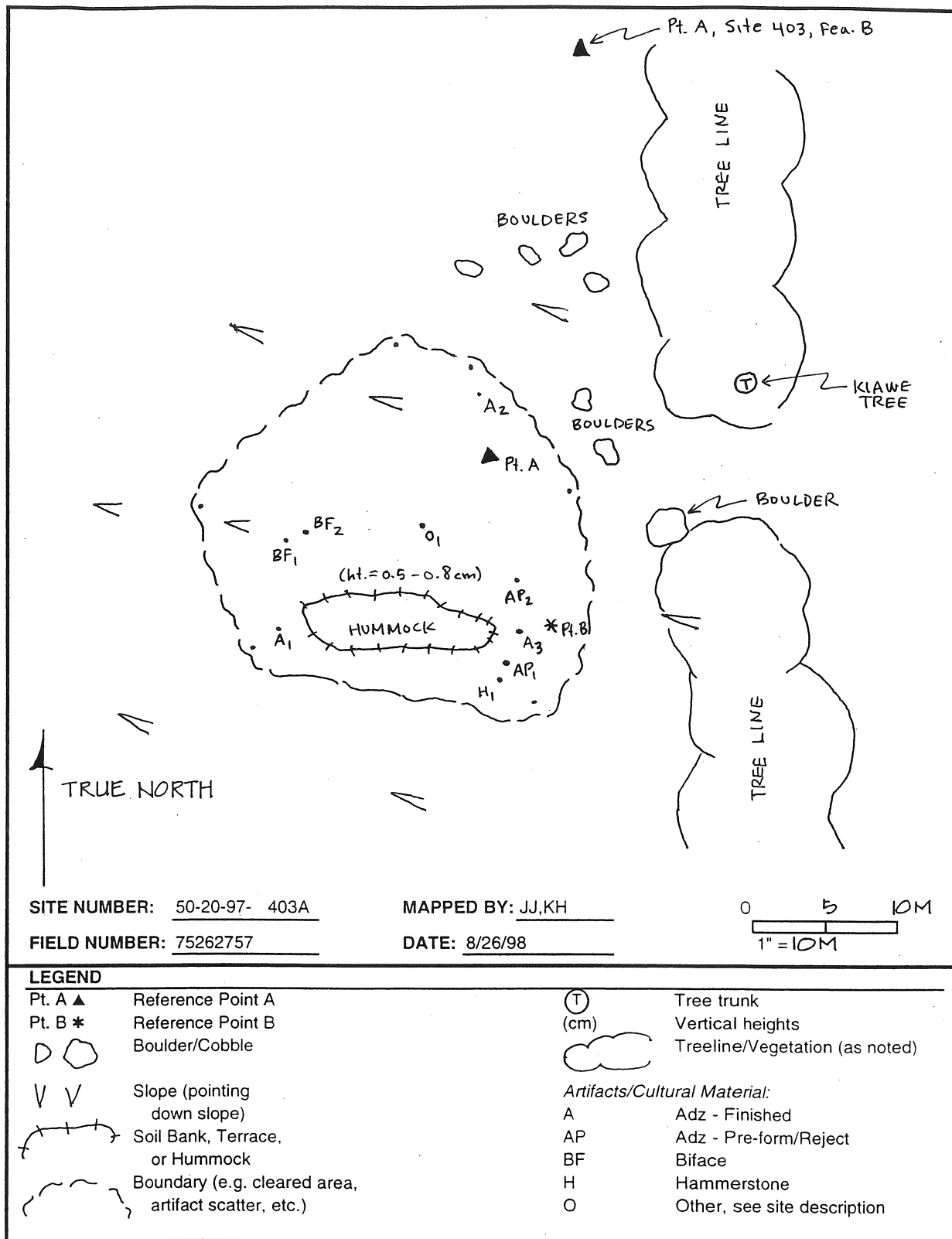


Figure B-209. Site 403, Feature A, Plan Map



SITE NUMBER (SIHP): 50-20-97-403	FIELD NO.: 75262758-1
FEATURE: B	GMU: 75262758
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Low
SITE TYPE: Scatter	SITE DIMENSIONS: 74 m (L) x 32 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 2368 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Polished Flakes from Finished Adzes, Finished adz, Adz Preforms/Rejects, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

Feature B of Site 403 consists of a scatter of cultural materials surrounding an eroding hummock as previously described on the NRHP Nomination form (Figure B-210). Artifacts recorded at this feature include two adzes, two scoria abraders, and one miscellaneous artifact.

SITE NUMBER (SIHP): 50-20-97-413	FIELD NO.: 75302759-1
FEATURE: None	GMU: 75302759
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: 11-100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Low
SITE TYPE: Scatter	SITE DIMENSIONS: 43 m (L) x 27 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 1161 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Basalt Artifacts, Basalt Flakes, Marine Midden

Site Description

Site 413 is an activity area located on the northwestern slope of Moa`ulanui, near the head of Kaulana Gulch. The site is situated in a mostly denuded area, except for the hummocks from which the scatter appears to be eroding (Figure 3-7). The site sits at an elevation of approximately 410 m and is within Hommon's Inland Settlement Zone (1980:48).

The site consists of low-density scatter of cultural materials listed in the NRHP Nomination form description. Artifacts recorded at this feature include two hammerstones and one coral abrader. A layer of charcoal was observed in one of the smaller hummocks separating the aeolian deposit from the more compact soil. There are two tamarisk tree-line windbreaks at western and eastern boundaries. Surrounding vegetation consists of grass, lantana, *koa haole*, and *kiawe*. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature (Figure B-211).

Figure B-210. Site 403, Feature B, Plan Map

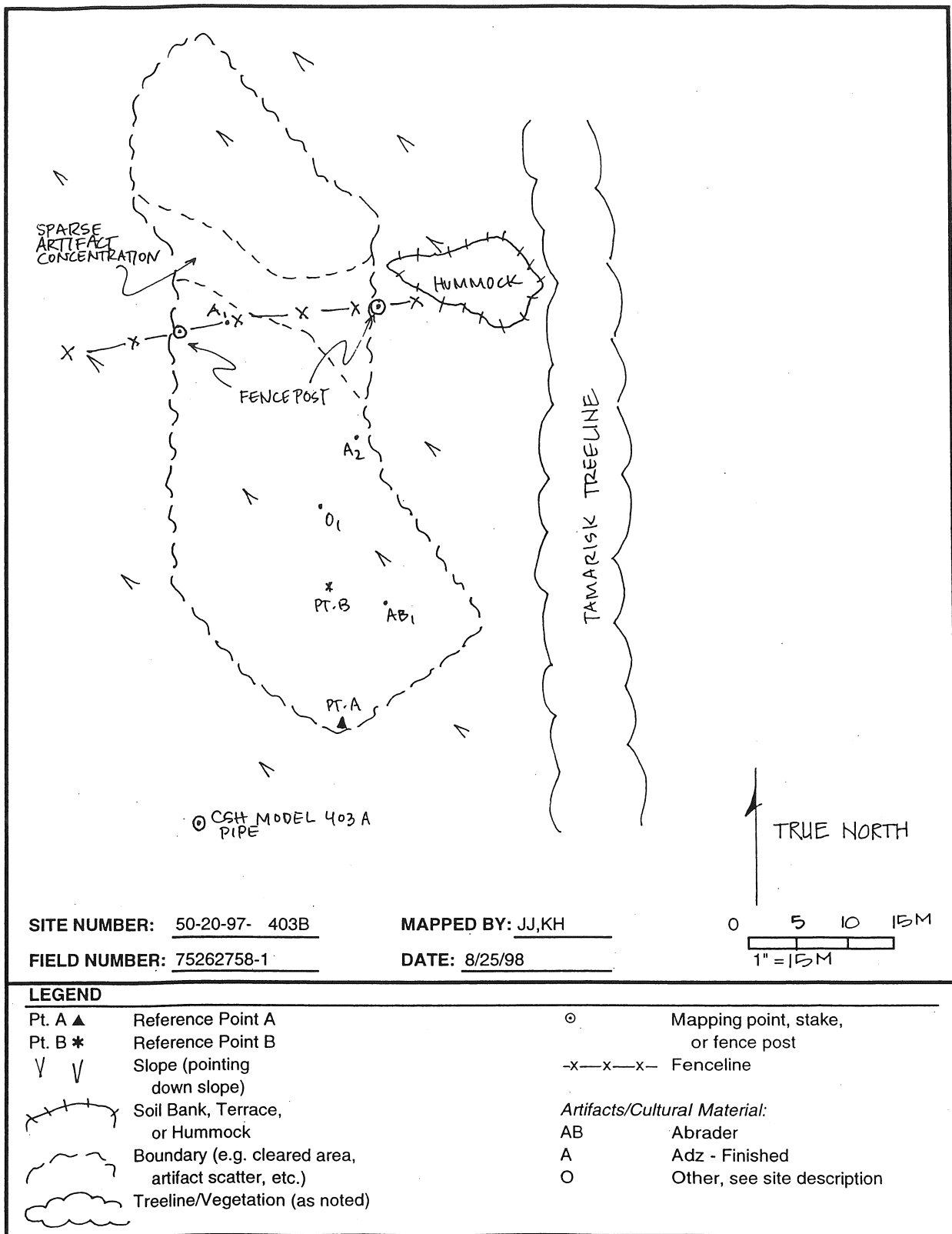
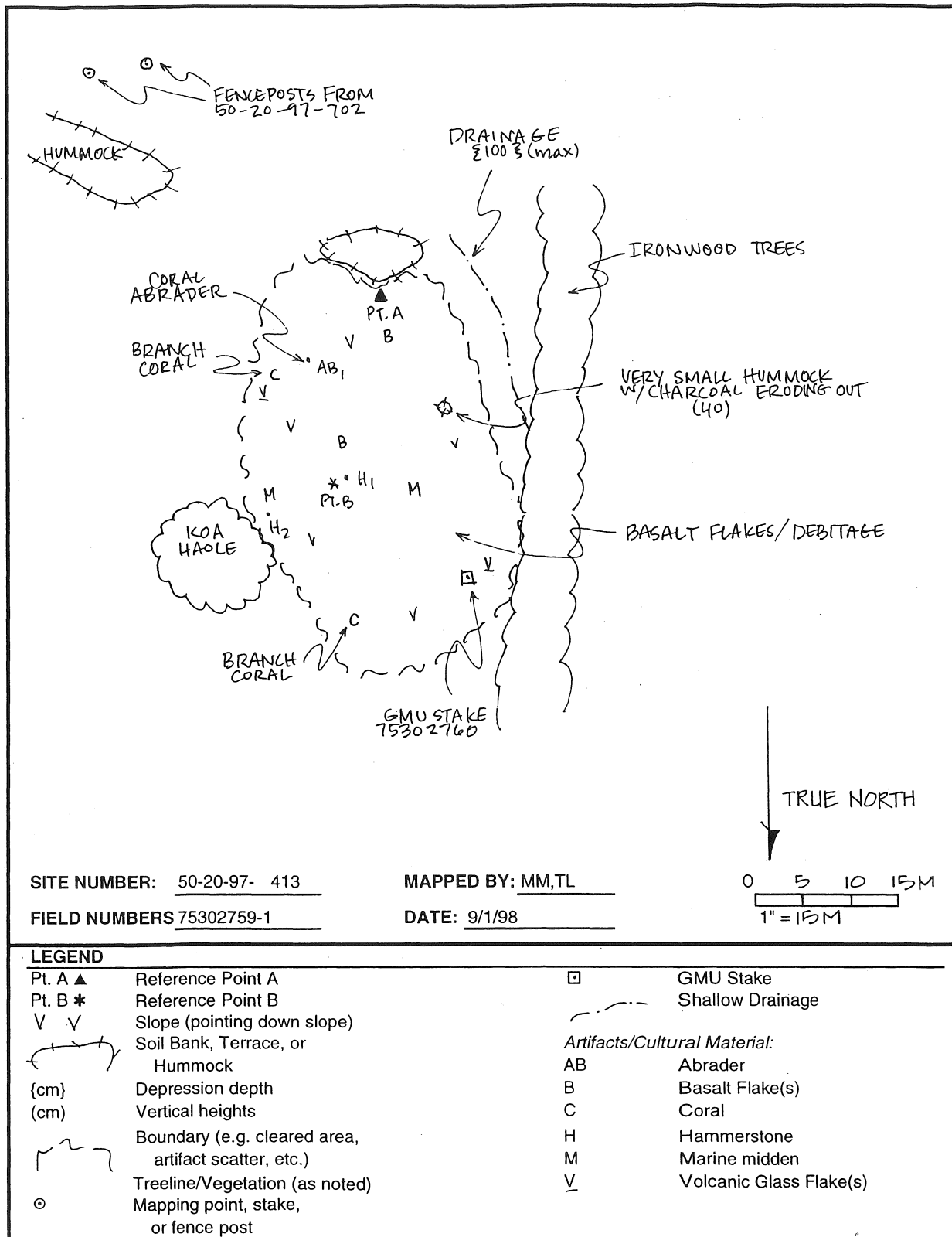


Figure B-211. Site 413, Plan Map



SITE NUMBER (SIHP): 50-20-97-416	FIELD NO.: 75342759-1
FEATURE: A	GMU: 75342759
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Medium
SITE TYPE: Scatter	SITE DIMENSIONS: 40 m (L) x 35 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 1400 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

Site Description

Site 416 is a complex of two activity area features located on the northeastern slope of Moa`ulanui. The site is situated on a mostly denuded area interspersed with scattered patches of vegetated shallow soils (Figure 3-7). The site sits at an elevation of approximately 410 m and is within Hommon's Inland Settlement Zone (1980:48). Feature A of the site was reidentified within the Lua Makika work area with the use of the photogrammetric maps provided by the Navy. Feature B is located outside the work area for this Task Order.

Feature A Description

Feature A of Site 416 consists of low-density scatter of cultural materials listed in the NRHP Nomination form description, with the addition of branch coral fragments and *Cypraea spp.* remains. One adz preform/reject was recorded at this feature (Figure B-212). Cultural materials are visible on hardpan, and surrounding vegetation consists of *koa haole*, grasses, and tamarisk trees.

SITE NUMBER (SIHP): 50-20-97-473	FIELD NO.: 75392758-1
FEATURE: None	GMU: 75392758
STATUS: Previously Recorded	WORK AREA: Lua Makika
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: High
SITE TYPE: Scatter	SITE DIMENSIONS: 85 m (L) x 65 m (W)
SITE FUNCTION: Activity Area, Ceremonial	SITE AREA: Approx. 5525 sq. m

MATERIAL CHARACTERISTICS:
Abrader, Fractured Basalt, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

Site 473 is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7). The site sits at an elevation of approximately 420 m and is within Hommon's Inland Settlement Zone (1980:48).

This site consists of a high-density scatter of cultural materials that are eroding out of all sides of a hummock. Material remains include fractured basalt, basalt flakes and artifacts, volcanic glass flakes and cores, marine shell midden, and fragments of branch and head coral. Artifacts recorded at this feature include two adz preform/rejects, seven hammerstones, four basalt cores, five coral abraders, three basalt scrapers, one basalt awl, and three miscellaneous artifacts.

The alignment of boulders in the southern end of the hummock appears not to have been impacted since the initial survey. The alignment contains loose soil that may be aeolian in origin or deposited as a result of the SMI excavations in the hummock edge (Hommon 1981). Evidence of the excavations is visible as black window screen material used as part of the fill. The burial reinterment is still visible as a concentration of cobbles northeast of the hummock (Figure B-213). The abundant branch coral at the eastern end of the hummock distinguishes this site from most of the other sites and features in the area and likely indicates some sort of ceremonial activity took place at this site. The boundaries of the site have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the highly concentrated remains associated with the hummock.

Figure B-212. Site 416, Feature A, Plan Map

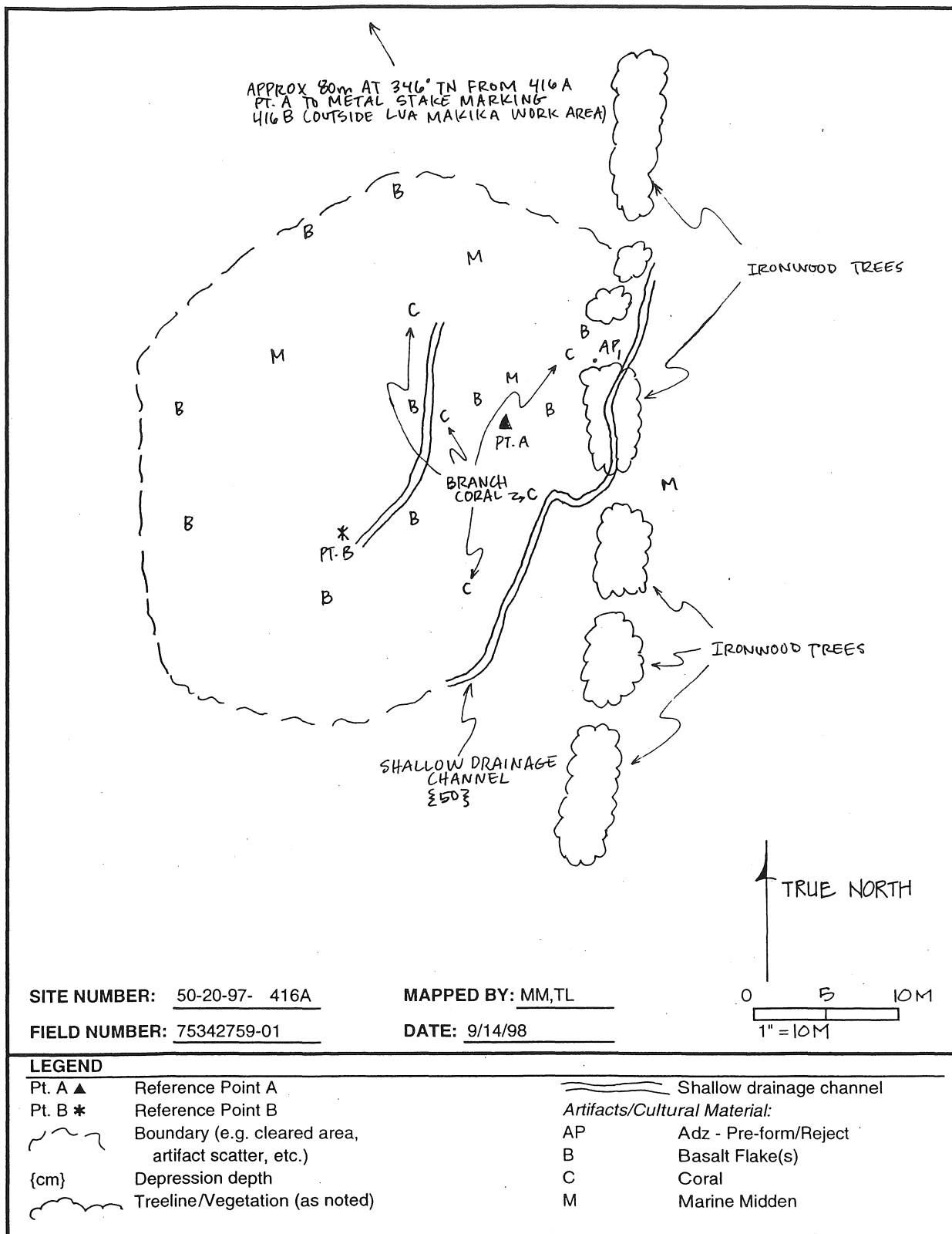
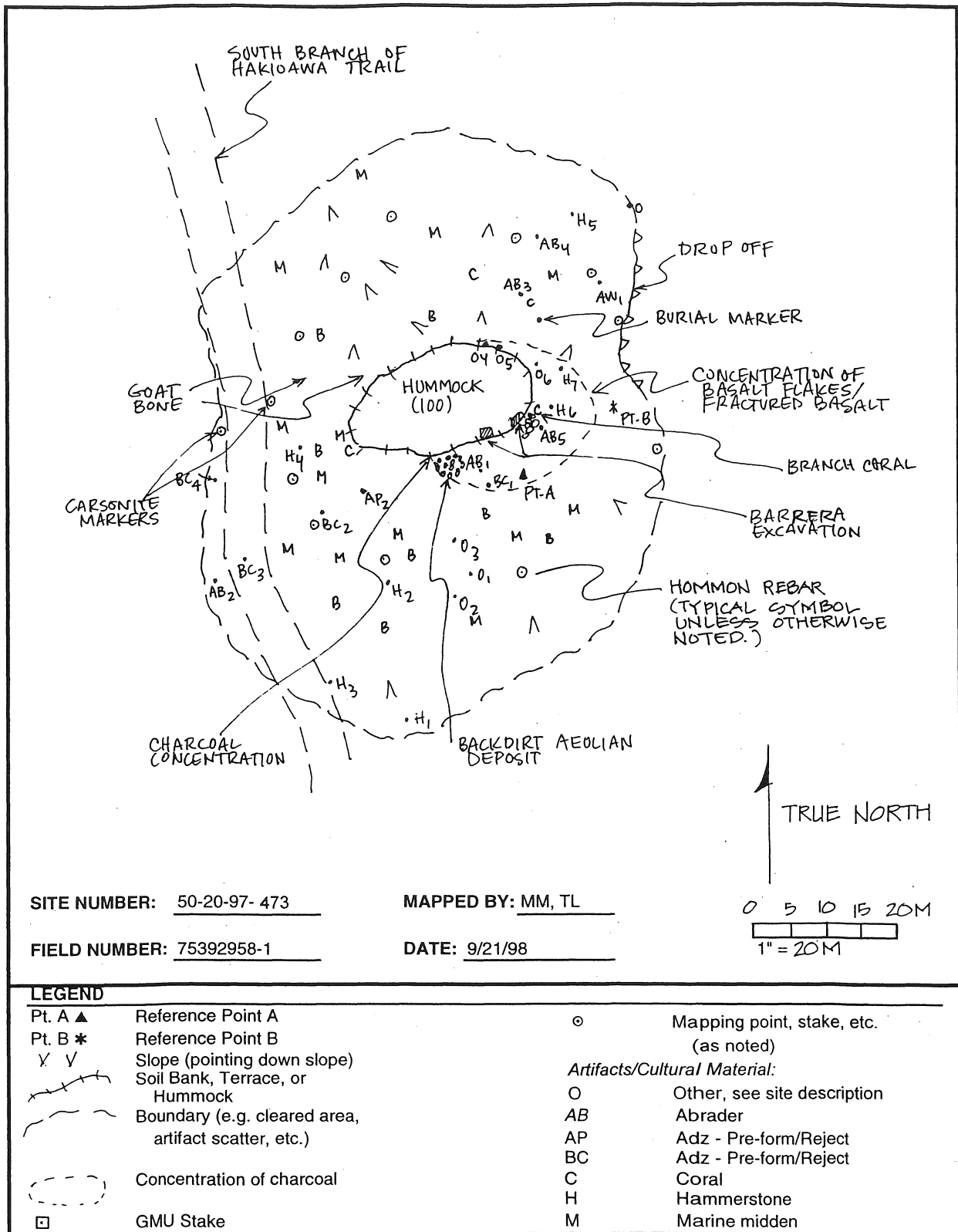


Figure B-213. Site 473, Plan Map



SITE NUMBER (SIHP): 50-20-97-534

FEATURE: None

STATUS: Previously Recorded

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Polished Flakes from Finished Adzes, Finished adz, Adz
Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75392759-1

GMU: 75392759

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: High

SITE DIMENSIONS: 110 m (L) x 100 m (W)

SITE AREA: Approx. 11000 sq. m

Site Description

Site 534 is an activity area located on the northeastern slope of Moa`ulanui, consisting of scatter of cultural materials listed in the NRHP Nomination form (Figure 3-7). The site is situated at an elevation of approximately 410 m and is in Hommon's Inland Settlement Zone (1980:48). The surrounding vegetation consists of *kiawe*, *koa haole*, tobacco trees, lantana, and unidentified grasses. The trail to Hakioawa is located immediately west of the site boundary (Figure B-214). Artifacts recorded at this site include three adzes, four adz preform/rejects, three hammerstones, two basalt awls, one scraper/utilized flake, two basalt cores, and two coral abraders. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

SITE NUMBER (SIHP): 50-20-97-614

FEATURE: A, B

STATUS: Previously Recorded

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt
Flakes, Marine Midden

FIELD NO.: 75172741-1

GMU: 75172741

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 156 m (L) x 59 m (W)

SITE AREA: Approx. 9204 sq. m

Site Description

Site 614 was originally defined on the NRHP Nomination form as a complex of 26 activity area features located on upland rift zone between Moa`ulanui and Pu`umo`iwi. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-5c; Figure 3-7). The site sits at an elevation of approximately 375 m and is within Hommon's Inland Settlement Zone (1980:48). Features A through J of the site were reidentified within the K-1 Road work area with the use of the photogrammetric maps provided by the Navy. Features K through Z are located outside the Task Order 007 work area. Three new features were located and defined in the southern portion of the site complex. Constituent features during this project (A through J and AA, AB, and AC) are discussed below.

Feature A and B Description

This feature consists of a low-density scatter of fractured basalt, manufacturing debris flakes and cores of basalt and volcanic glass, coral fragments, and marine shell midden. Artifacts recorded at this feature include five adz preform/rejects, one basalt core, five basalt awls, and three bifaces. The biface is unusual because it is made of either coralline limestone or poor-quality chert. Cultural materials are visible on the eroded hardpan surface that comprises approximately 85% of the site surface area; the remainder consists of small patches of grass-covered shallow soils. The boundaries of this feature surround what was previously recorded as Features A and B of Site 614. However, two discrete clusters of cultural materials matching the description of those features could not be found within this site area. This low-density scatter is best recorded as a single feature (Figure B-215).

Figure B-214. Site 534, Plan Map

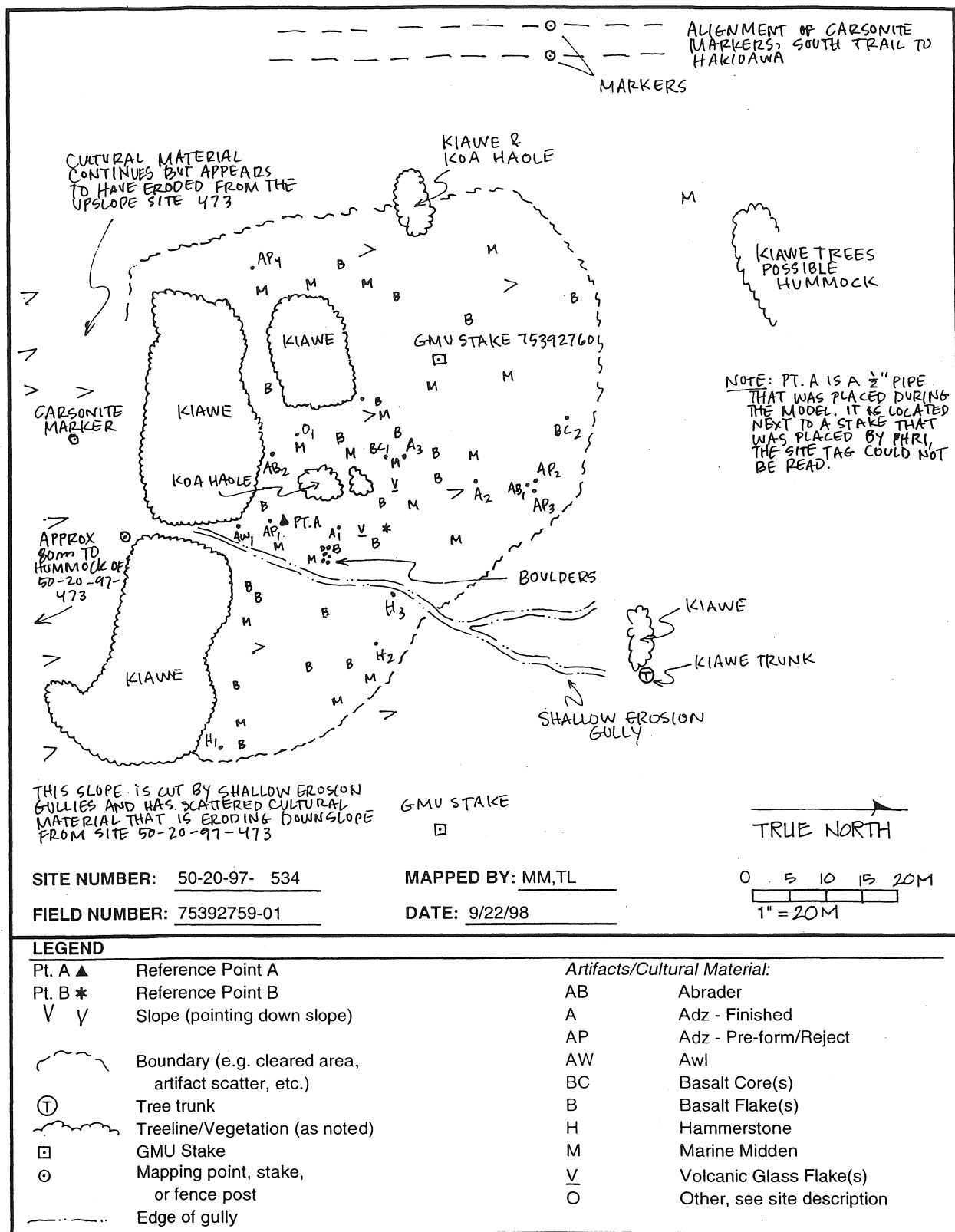
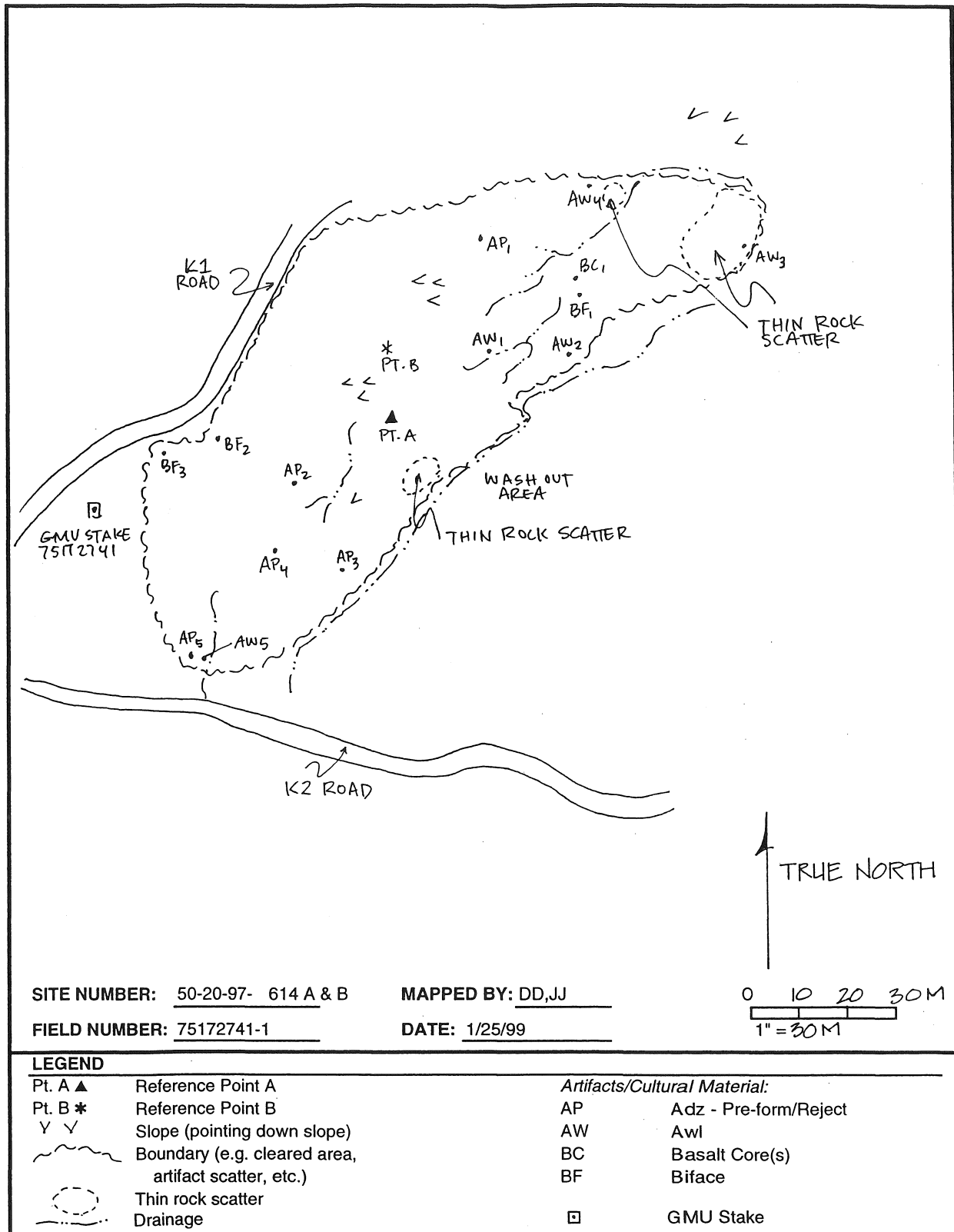


Figure B-215. Site 614, Feature A, B, Plan Map



SITE NUMBER (SIHP): 50-20-97-614	FIELD NO.: 75182742-4
FEATURE: C	GMU: 75182742
STATUS: Previously Recorded	WORK AREA: K-1 Road
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: 11-100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Low
SITE TYPE: Scatter	SITE DIMENSIONS: 23 m (L) x 19 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 437 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Flakes, Marine Midden

Site Description

Feature C of Site 614 consists of a generally low-density scatter of materials listed in the NRHP description, with the addition of a basalt adz preform that was recorded. Cultural materials are visible on the eroded hardpan that comprises about 70% of the site surface area; the remainder consists of grass-covered patches of soil that look like remnants of original soils. The site is located adjacent to the southeast side of K-1 Road (Figure B-216). The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

SITE NUMBER (SIHP): 50-20-97-614	FIELD NO.: 75182741-1
FEATURE: D	GMU: 75182741
STATUS: Previously Recorded	WORK AREA: K-1 Road
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: 11-100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Low
SITE TYPE: Scatter	SITE DIMENSIONS: 39 m (L) x 25 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 975 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

Site Description

This Feature of Site 614 consists of a low-density scatter of fractured basalt, manufacturing debris flakes and cores of basalt and volcanic glass, and marine shell midden. Marine shell remains at the feature consist of one *Thaididae* spp. shell and one *Cypraea* spp. fragment. Artifacts recorded at this feature include one hammerstone, one basalt awl, and two basalt cores. Cultural materials are visible on the eroded hardpan that comprises about 90% of the site surface area; the remainder of the surface consists of grass-covered patches of shallow soils that look like remnant original soils. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature (Figure B-217).

Figure B-216. Site 614, Feature C, Plan Map

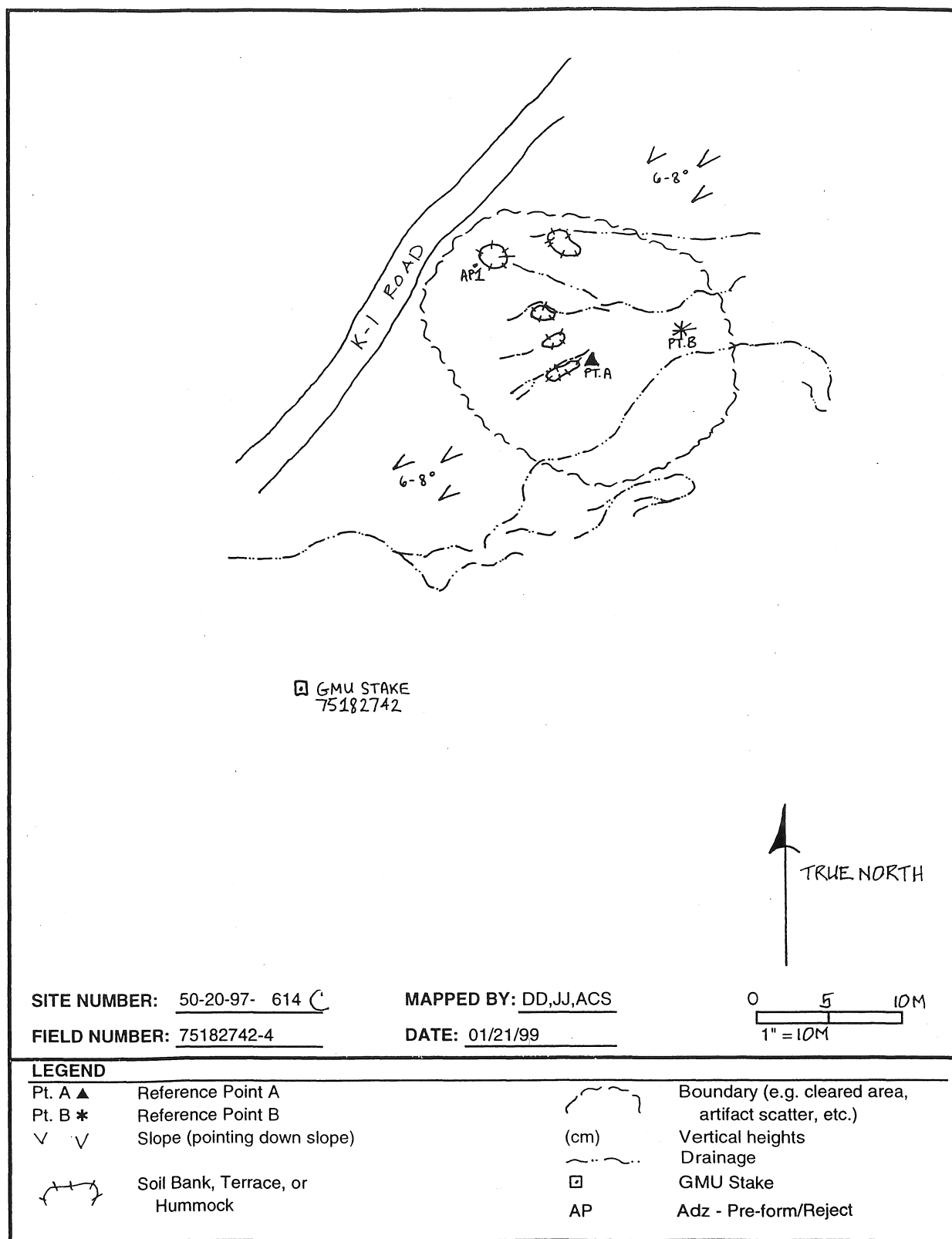
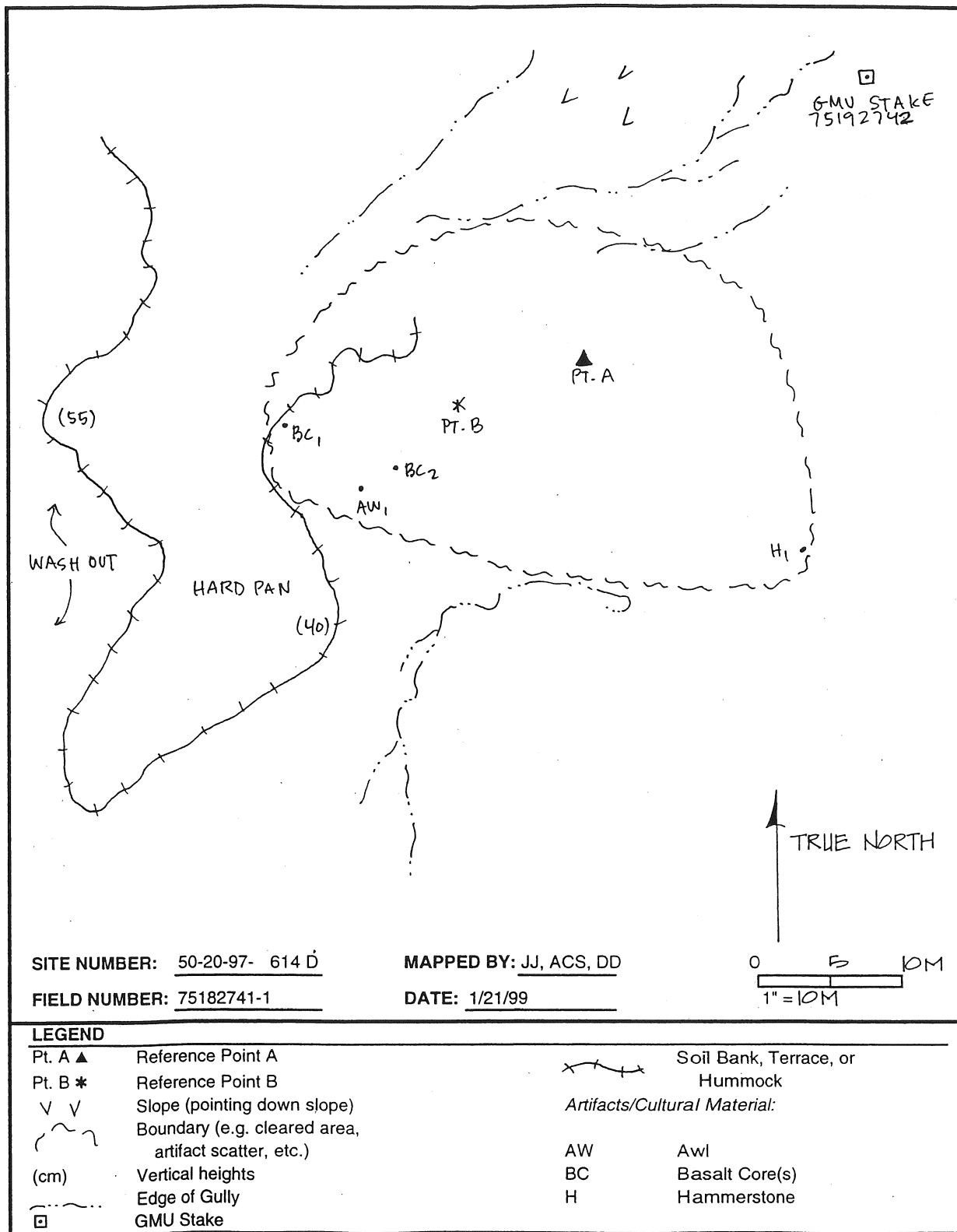


Figure B-217. Site 614, Feature D, Plan Map



SITE NUMBER (SIHP): 50-20-97-614

FEATURE: E

STATUS: Previously Recorded

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Basalt Flakes

FIELD NO.: 75182742-2

GMU: 75182742

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 42 m (L) x 21 m (W)

SITE AREA: Approx. 882 sq. m

Site Description

Feature E of Site 614 consists of a small high- to low-density scatter of mostly fractured basalt and some basalt debitage and one adz preform/reject that was recorded. The one *Cellana spp.* shell referred to as the marine midden at this feature (NRHP Nomination form) was not relocated. Cultural materials are visible on the eroded hardpan surface that comprises approximately 50% of the site surface area; the remainder consists of grass, lantana, and *koa haole* growing on patches of shallow soils. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature (Figure B-218).

SITE NUMBER (SIHP): 50-20-97-614

FEATURE: F

STATUS: Previously Recorded

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75192743-1

GMU: 75192743

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 122 m (L) x 70 m (W)

SITE AREA: Approx. 8540 sq. m

Site Description

Feature F of Site 614 consists of a high- to low-density scatter of cultural materials listed in the NRHP Nomination form description, except for the chalcedony fragment that was not relocated. Additional artifacts found during this survey include many more basalt finished and unfinished tools and tool fragments. Artifacts recorded at this feature include six adz preform/rejects, three basalt cores, two coral abraders, four basalt awls, and two bifaces (Figure B-219). There are areas of the feature where cultural materials are in high-density concentrations, whereas the overall density is low. Cultural materials are visible on the eroded hardpan surface that comprises about 70% of the site surface area; the remainder consists of mostly grass-covered patches of shallow soil. There is a patch of shallow soil in the southeast portion of the site that partially covers a fragment of branch coral. The coral may be eroding out of the soil, or the soil is accumulating over it. The boundaries of the feature have been extended somewhat beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

Figure B-218. Site 614, Features E and AA, Plan Map

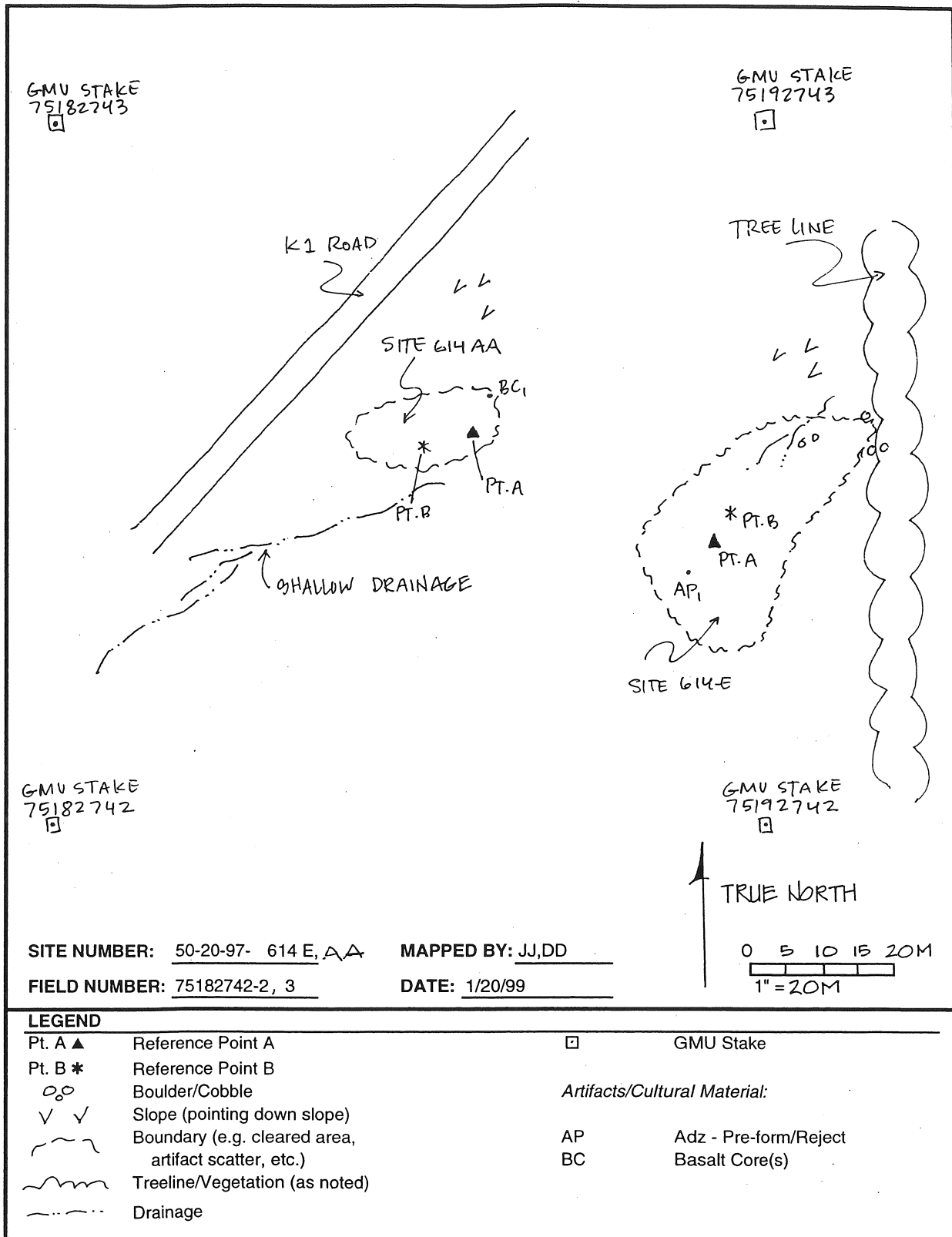
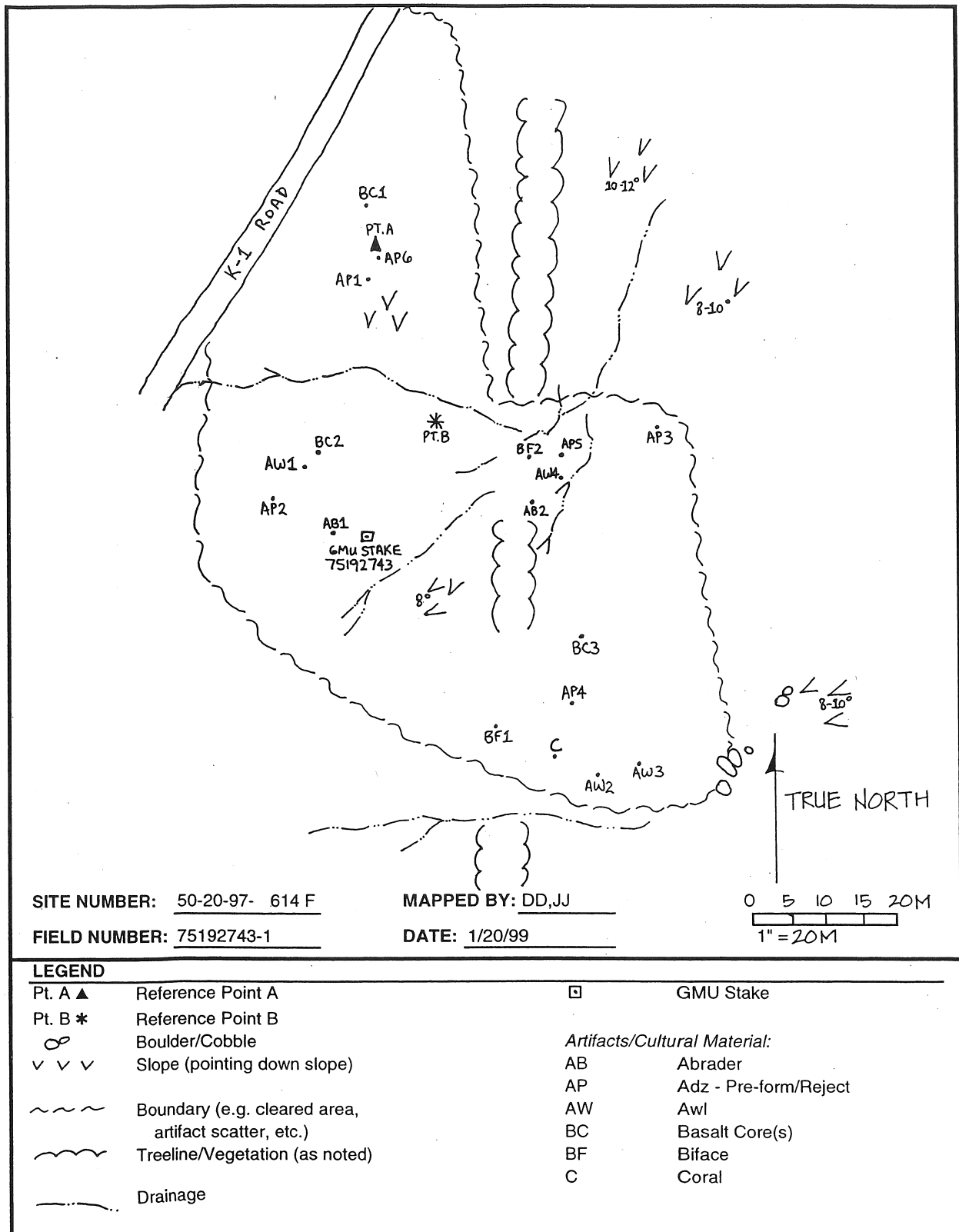


Figure B-219. Site 614, Feature F, Plan Map



SITE NUMBER (SIHP): 50-20-97-614	FIELD NO.: 75192743-2
FEATURE: G	GMU: 75192743
STATUS: Previously Recorded	WORK AREA: K-1 Road
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Low
SITE TYPE: Scatter	SITE DIMENSIONS: 43 m (L) x 35 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 1505 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Flakes, Marine Midden

Site Description

This feature of Site 614 consists of a high- to low-density scatter of cultural materials listed in the NRHP Nomination form description, with the additional of two adz preform/rejects that were recorded. Materials occur in high-density concentrations in parts of the central and western portions of the feature, but are in low-density concentration throughout most of the feature. Cultural materials are visible on the eroded hardpan surface that comprises about 65% of the feature surface area; the remainder consists of patches of shallow soils vegetated with grass, *uhaloa*, balloon plant, and lantana. Some portable remains were observed in the vegetated areas, suggesting that the vegetated shallow soils may contain buried cultural deposits. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature (Figure B-220)

SITE NUMBER (SIHP): 50-20-97-614	FIELD NO.: 75202745-1
FEATURE: H	GMU: 75202745
STATUS: Previously Recorded	WORK AREA: K-1 Road
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Prehistoric	CULTURAL MATERIAL DENSITY: Medium
SITE TYPE: Scatter	SITE DIMENSIONS: 72 m (L) x 67 m (W)
SITE FUNCTION: Activity Area	SITE AREA: Approx. 4824 sq. m

MATERIAL CHARACTERISTICS:
Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

Feature H of Site 614 consists of a high- to low-density scatter of cultural materials listed in the NRHP Nomination form description with the addition of many more broken adz preforms, basalt awls, and an *`ulu maika* preform. The central portion of the feature is situated at the upper edge of a slope where there are many large boulders (Figure B-221). The lithic material is concentrated most highly in this area at a very high density and decreases significantly toward the perimeter. Cultural materials are visible on the eroded hardpan surface, which comprises about 90% of the site surface area; the remainder consists of vegetated shallow soil patches, including one patch within the boulder concentration that has the potential to contain intact cultural deposits. Many of the artifacts can also be found in the erosive channels down the slope from the center of the feature. There are only a few pieces of head coral here, but there is more branch coral in the northwest portion of the feature. Also, there is a noticeable lack of shell remains, given the number of flakes, unfinished tools, and fragments.

Artifacts recorded at this feature include 27 adz preform/rejects, three hammerstones, five basalt cores, two basalt awls, three volcanic glass cores, one *`ulu maika*, and four miscellaneous artifacts. The vast majority of the basalt debitage, broken cores, and adz preforms are made of a very high-quality fine-grained basalt. There are some very large flakes, some with cortex, suggesting that the source material may be nearby; however, the boulders at the feature do not appear to be of the same type of basalt as the cores and debitage. One of the basalt cores is more accurately described as a nodule with only a few flakes removed. This feature, by far, has many more adz preform fragments than any feature recorded during this project. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

Figure B-220. Site 614, Feature G, Plan Map

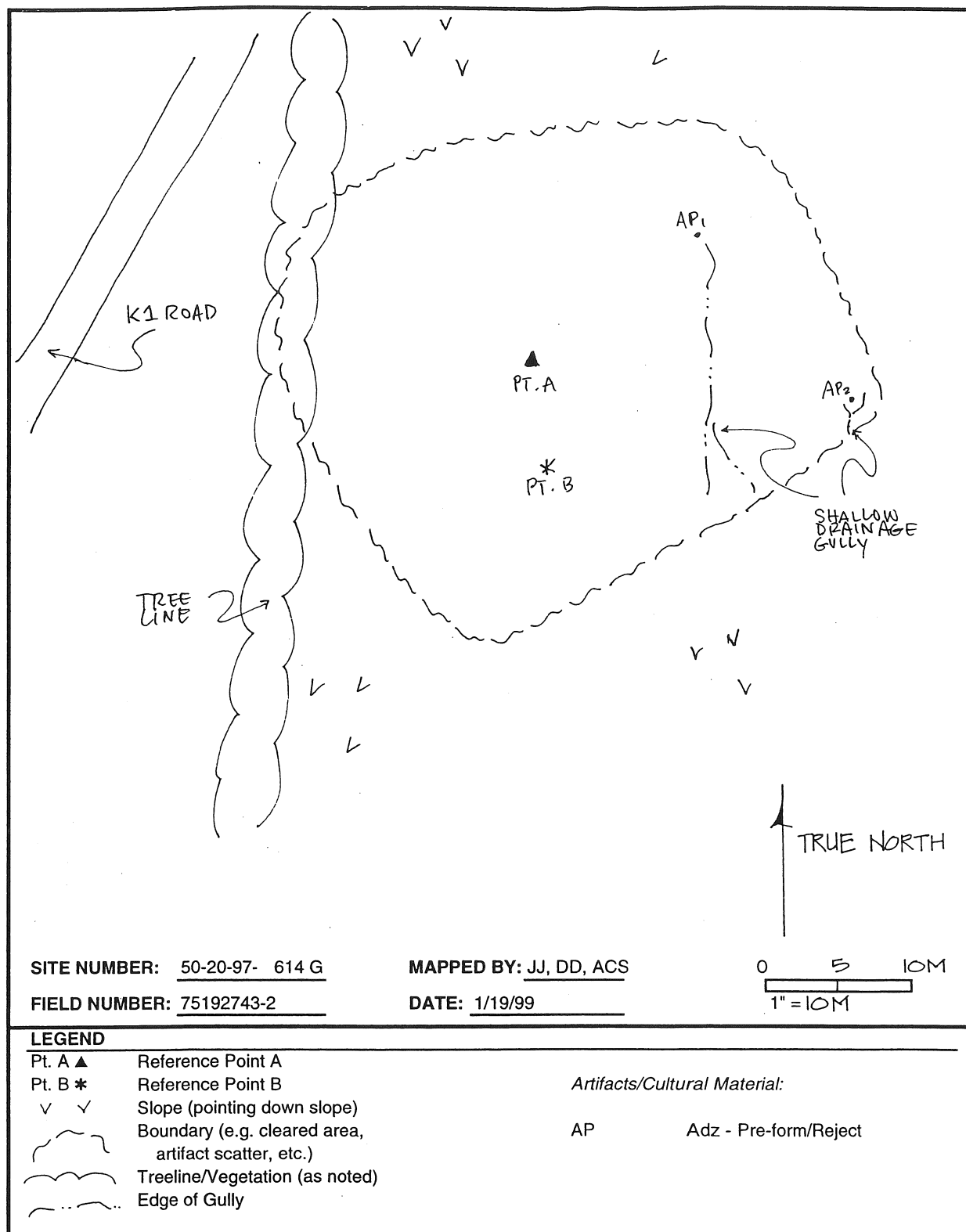
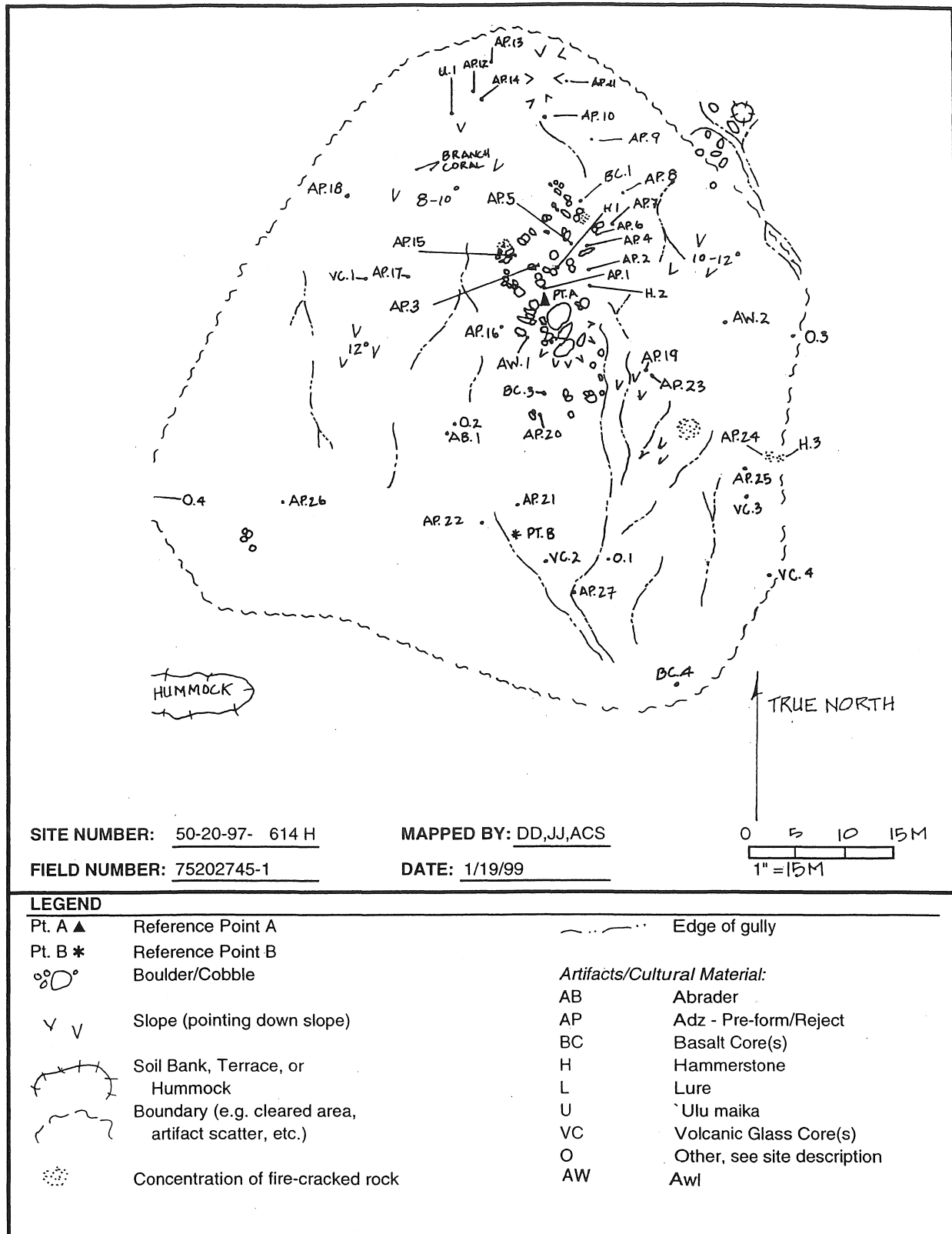


Figure B-221. Site 614, Feature H, Plan Map



SITE NUMBER (SIHP): 50-20-97-614
FEATURE: I
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area

FIELD NO.: 75202744-1
GMU: 75202744
WORK AREA: K-1 Road
CULTURAL MATERIAL QUANTITY: > 100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 81 m (L) x 59 m (W)
SITE AREA: Approx. 4779 sq. m

MATERIAL CHARACTERISTICS:

Fractured Basalt, Sinkers, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

Feature I of Site 614 consists of a low- to high-density scatter of cultural materials listed on the NRHP Nomination form description, with the addition of 14 recorded artifacts. Artifacts recorded at this feature include six adz preform/rejects, one hammerstone, four basalt cores, one basalt awl, one volcanic glass core, one sinker, and one miscellaneous artifact (Figure B-222). It is located immediately downhill from Feature H of Site 614, and the materials of Feature I are likely related to the activities of Feature 614-H. There are a couple of artifact concentrations in this site, suggesting that this is a discrete activity area. Cultural materials are visible on the eroded hardpan that comprises about 80% of the site surface area; the remainder consists of grass, *uhaloa*, and lantana growing on shallow soils, some of which are high enough that they may be remnant soils. There are areas of the feature where cultural materials are in high-density concentrations, whereas the overall density is low. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature.

SITE NUMBER (SIHP): 50-20-97-614
FEATURE: J
STATUS: Previously Recorded
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

FIELD NO.: 75192742-1
GMU: 75192742
WORK AREA: K-1 Road
CULTURAL MATERIAL QUANTITY: 11-100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 40 m (L) x 36 m (W)
SITE AREA: Approx. 1440 sq. m

Fractured Basalt, Adz Preforms/Rejects, Other Artifacts, Basalt Flakes, Marine Midden

Site Description

This feature of Site 614 consists of a low-density scatter of mostly fractured basalt, some manufacturing debris flakes and cores of volcanic glass, basalt debitage, a few coral fragments, and marine shell midden (*Thaididae* and *Cellana spp.*). Two adz preform/rejects were recorded at this feature. Cultural materials are visible on eroded hardpan, surrounding the western half of a high hummock. Approximately 50% of the site surface area consists of the hummock and patches of shallow soils vegetated with grass, *koa haole*, and lantana. Also, there are several wild tobacco trees at the feature. The boundaries of the feature have been extended beyond the original NRHP definition to include the low-density scatter of cultural materials around the central portion of the feature (Figure B-223).

Figure B-222. Site 614, Feature I, Plan Map

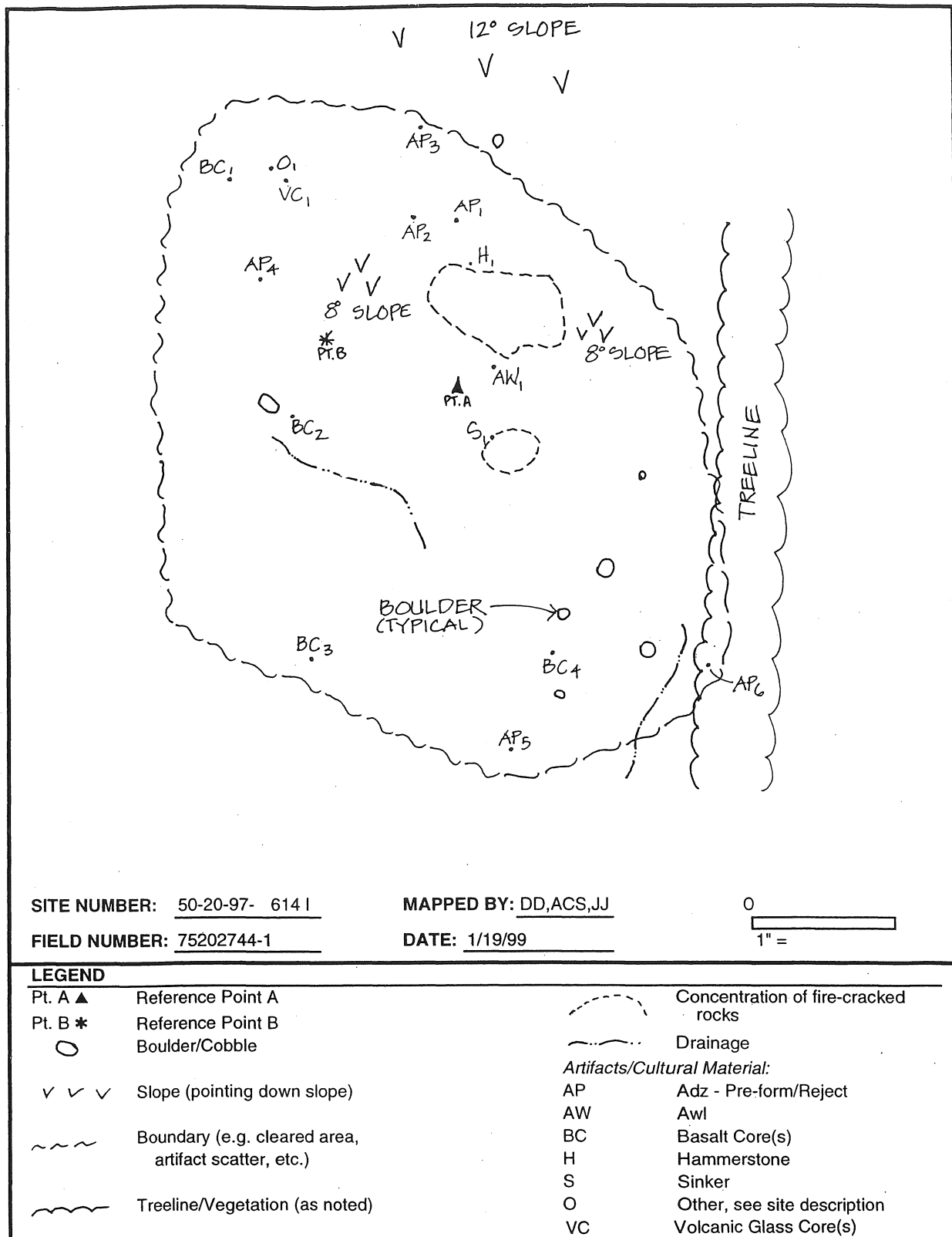
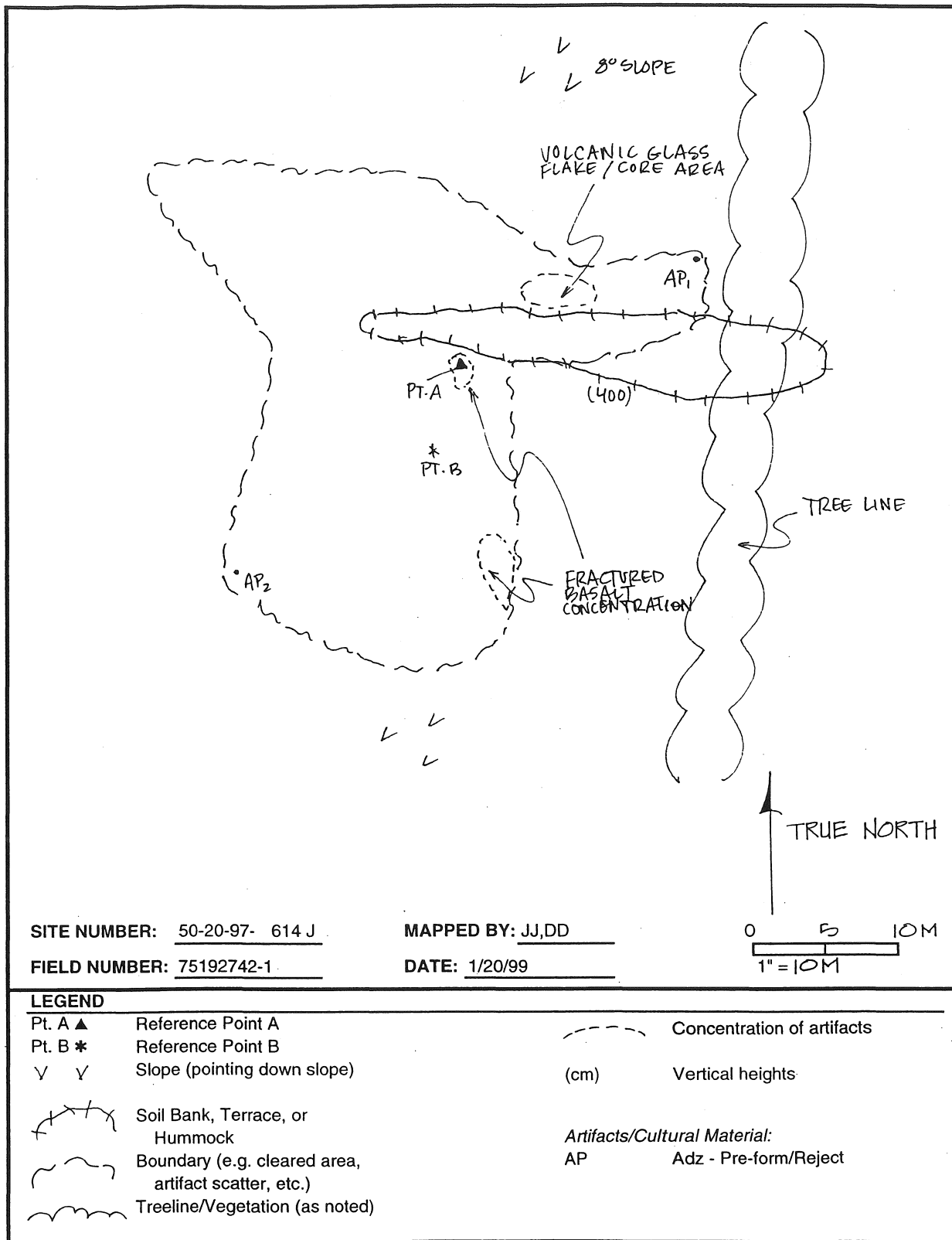


Figure B-223. Site 614, Feature J, Plan Map



SITE NUMBER (SIHP): 50-20-97-614

FEATURE AA

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Basalt Artifacts, Basalt Flakes

FIELD NO.: 75182742-3

GMU: 75182742

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 22 m (L) x 11 m (W)

SITE AREA: Approx. 242 sq. m

Site Description

Feature AA of Site 614 consists of a small low-density scatter of mostly fractured basalt and manufacturing debris flakes and cores of basalt. One basalt core was recorded at this feature. Materials are visible on eroded hardpan and lateritic soils, which comprise approximately 70% of the site surface area; the remainder consists of mostly grass-covered patches of shallow soils. This feature is located between the southeast side of K-1 Road and Feature E of Site 614, clearly within the boundaries of the Site 614 complex. The Site 614 NRHP shows no feature located there, so this scatter is assigned a new feature designation (Figure B-218).

SITE NUMBER (SIHP): 50-20-97-614

FEATURE AB

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes

FIELD NO.: 75182741-2

GMU: 75182741

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 25 m (L) x 14 m (W)

SITE AREA: Approx. 350 sq. m

Site Description

Feature AB of Site 614 consists of a relatively small, low-density scatter of fractured basalt, volcanic glass and basalt flakes and cores, and head coral fragments. Artifacts recorded at this feature consist of two basalt cores. One of the coral fragments appears to be a fragment of an abrader, but it is too small to record. Cultural materials are visible on hardpan surface that comprises about 90% of the site surface area; the remainder consists of grass-covered patches of shallow soils that look like remnants of the original soils. This scatter is located within the boundaries of the Site 614 complex, near feature D, where the NRHP map for Site 614 shows no features (Figure B-224).

SITE NUMBER (SIHP): 50-20-97-614
FEATURE AC
STATUS: New
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area

FIELD NO.: 75172740-1
GMU: 75172740
WORK AREA: K-1 Road
CULTURAL MATERIAL QUANTITY: 11-100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 44 m (L) x 12 m (W)
SITE AREA: Approx. 528 sq. m

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

Site Description

Feature AC of Site 614 consists of a low-density scatter of fractured basalt, flakes and cores of basalt, volcanic glass flakes, and a few fragments of marine shell (*Thaididae spp.*, *Cellana spp.*, and one unidentified species). One adz preform/reject and one hammerstone were recorded at this feature. Cultural materials are visible on the hardpan surface that comprises about 80% of the site surface area; the remainder consists of scattered small patches of grass covered soils. This feature is located within the boundaries of Site 614, on the northwest side of K-2 Road. It is situated between features A and X and is clearly a newly identified feature (Figure B-225).

SITE NUMBER (SIHP): 50-20-97-700
FEATURE None
STATUS: New
SETTING: Intermediate, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

FIELD NO.: 74662733-1
GMU: 74662733
WORK AREA: Seagull
CULTURAL MATERIAL QUANTITY: 11-100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 30 m (L) x 30 m (W)
SITE AREA: Approx. 900 sq. m

Basalt Artifacts, Basalt Flakes

Site Description

Site 700 consists of a scatter of approximately 15 to 20 basalt flakes and one basalt core resting directly on the hardpan. The surrounding land surface is dotted with small (approximately 1 to 2 m diameter) grass-covered soil hummocks. It appears from these hummocks that this area is deflated. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-2). The site sits at an elevation of approximately 255 m and is within Hommon's Intermediate Settlement Zone (1980:48).

Figure B-224. Site 614, Feature AB, Plan Map

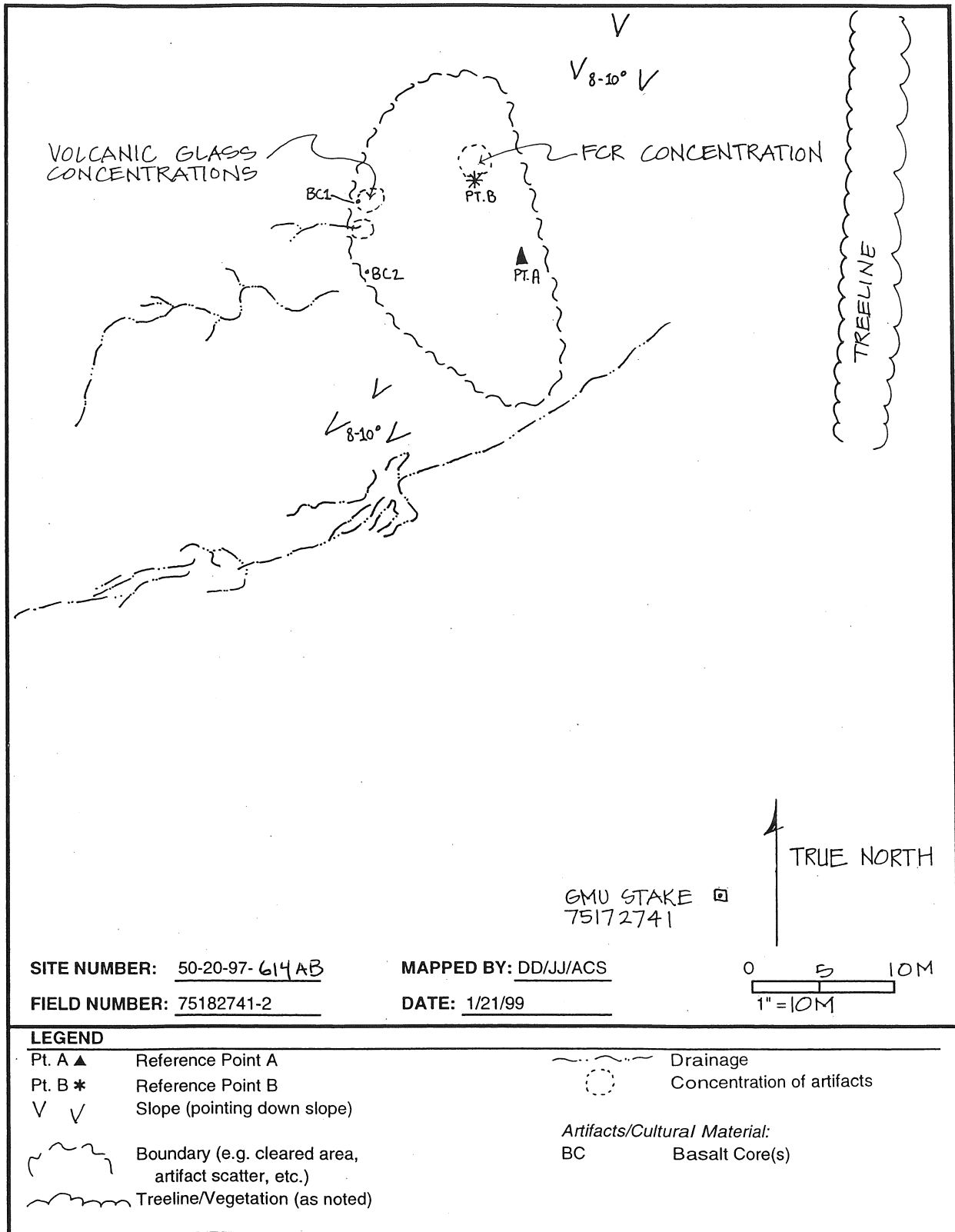
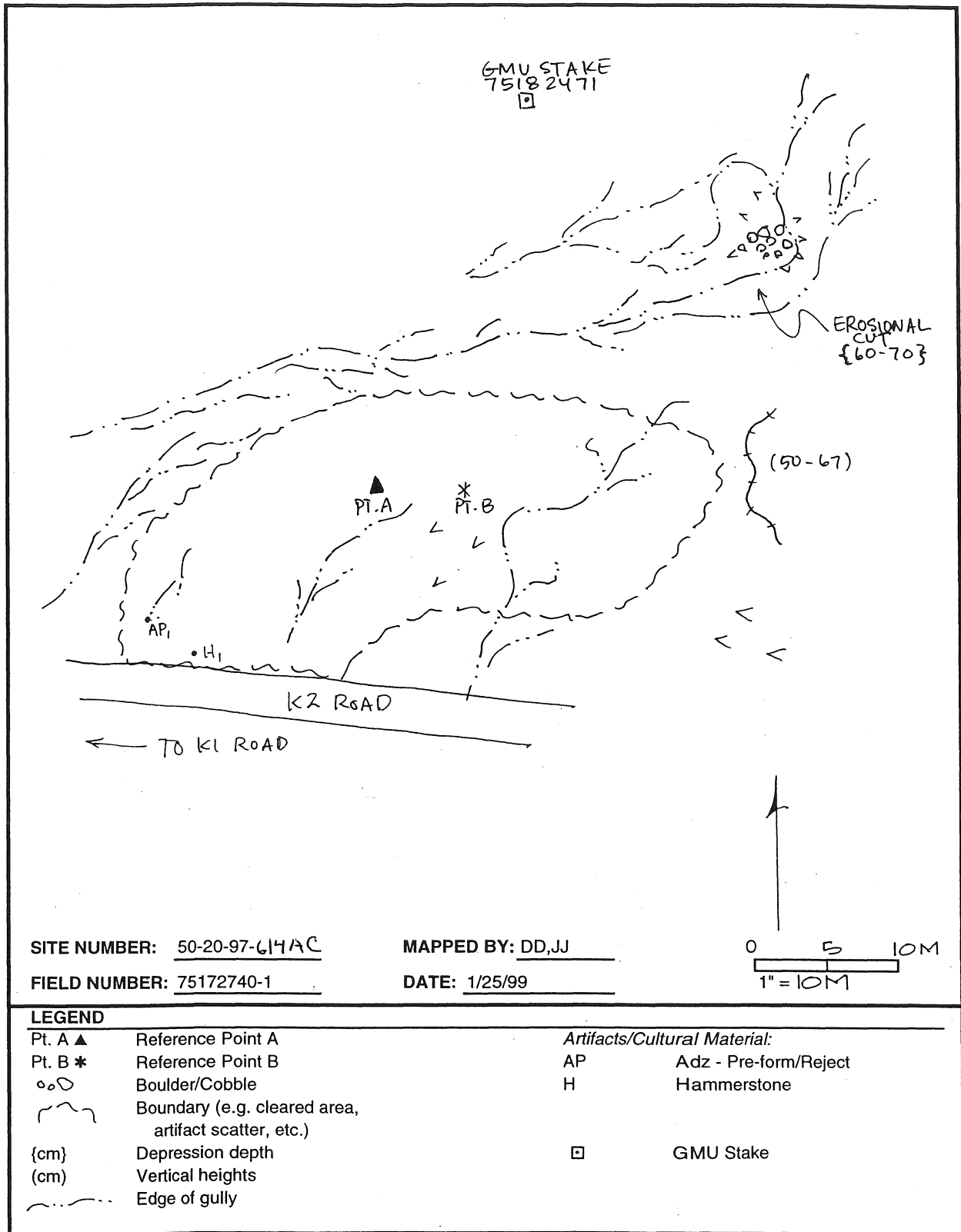


Figure B-225. Site 614, Feature AC, Plan Map



SITE NUMBER (SIHP): 50-20-97-702
FEATURE: None
STATUS: New
SETTING: Inland, Hardpan
PROBABLE AGE: Indeterminate
SITE TYPE: Fence
SITE FUNCTION: Animal Husbandry
MATERIAL CHARACTERISTICS:

Other Artifacts

FIELD NO.: 75252758-1
GMU: 75252758
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: < 10 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 700+ m (L) x 0.2 m (W)
SITE AREA: N.A.

Site Description

Site 702 is a fence is made up of wooden fence posts and barbed wire. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7). The site sits at an elevation of approximately 405 m and is within Hommon's Inland Settlement Zone (1980:48).

Some of the posts are uncut tree trunks, and others are rectangular milled lumber. Most of the posts have fallen and are rotting away. That the posts still remain today at all is good evidence that they are a weather resistant hard wood. The barbed wire is heavily rusted and has deteriorated into short 20 - 40 cm segments. The barbs are spaced every 6 inches. The fence is oriented 259° True North (or magnetic east-west). It runs through the northwest corner of Lua Makika work area for approximately 700 meters. Along this segment the fence is in variable states of preservation, ranging from unobservable to sections where several fence posts stand in a row.

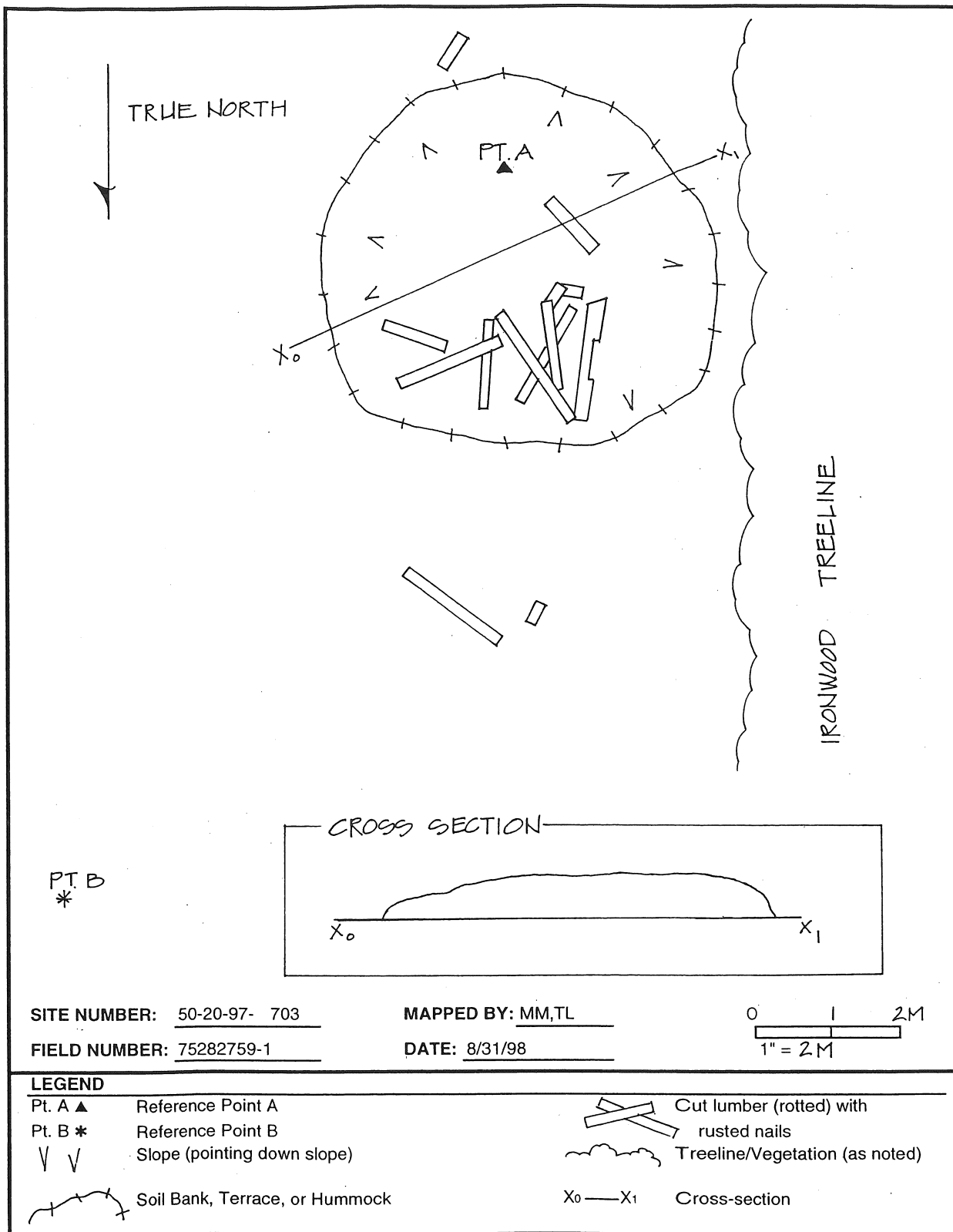
SITE NUMBER (SIHP): 50-20-97-703
FEATURE: None
STATUS: New
SETTING: Inland, Hardpan
PROBABLE AGE: Historic
SITE TYPE: Scatter
SITE FUNCTION: Indeterminate
MATERIAL CHARACTERISTICS:
Other Items

FIELD NO.: 75282759-1
GMU: 75282759
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: 11-100 Items
CULTURAL MATERIAL DENSITY: Medium
SITE DIMENSIONS: 6 m (L) x 4 m (W)
SITE AREA: Approx. 24 sq. m

Site Description

Site 703 is a scatter of approximately 15 wood boards and metal nails, situated on an upraised gentle slope. No other artifacts or midden are present in the vicinity. The site is considered associated with the ranch period due to the presence of saw cuts in the boards. The boards are in a poor state of preservation. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7). The site sits at an elevation of approximately 410 m and is within Hommon's Inland Settlement Zone (1980:48).

Figure B-226. Site 703, Plan Map



SITE NUMBER (SIHP): 50-20-97-704

FEATURE None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75362758-3

GMU: 75362758

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 105 m (L) x 45 m (W)

SITE AREA: Approx. 4725 sq. m

Site Description

Site 704 consists of a very low-density scatter of fractured basalt, volcanic glass and basalt flakes, fragments of coral, and marine shell midden. The site is located on the southeastern slope of Moa`ulanui, situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7; Figure B-227). The site sits at an elevation of approximately 418 m, and is within Hommon's Inland Settlement Zone (1980:48). A series of hummocks are located up-slope (to the south and southwest) of the site. Artifacts recorded at this feature include one hammerstone and one coral abrader.

SITE NUMBER (SIHP): 50-20-97-705

FEATURE None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

FIELD NO.: 75352757-2

GMU: 75352757

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 25 m (L) x 15 m (W)

SITE AREA: Approx. 375 sq. m

Site Description

Site 705 consists of a medium-density scatter of basalt flakes, fractured basalt, volcanic glass, waterworn cobbles, and marine shell midden (*Cypraea*, *Thaididae* and *Cellana spp.*). One adz preform/reject was recorded at this feature.

Site 705 is situated in a mostly denuded area, interspersed with eroding hummocks and patches of vegetated shallow soils (Figure 3-7). The site sits at an elevation of approximately 430 m and is within Hommon's Inland Settlement Zone (1980:48). The site is located between sites 401-C (to the south) and 401-M (to the north). This site may have originally been a part of Feature 401-C; however, there is a distinct break in artifact density between the two sites. Surrounding vegetation consists of *kiawe*, *koa haole*, lantana, and unidentified grasses. Landscape features consist of an ordnance impact crater to the southeast of map Reference Point A, and two small eroding hummocks (Figure B-228).

Figure B-227. Site 704, Plan Map

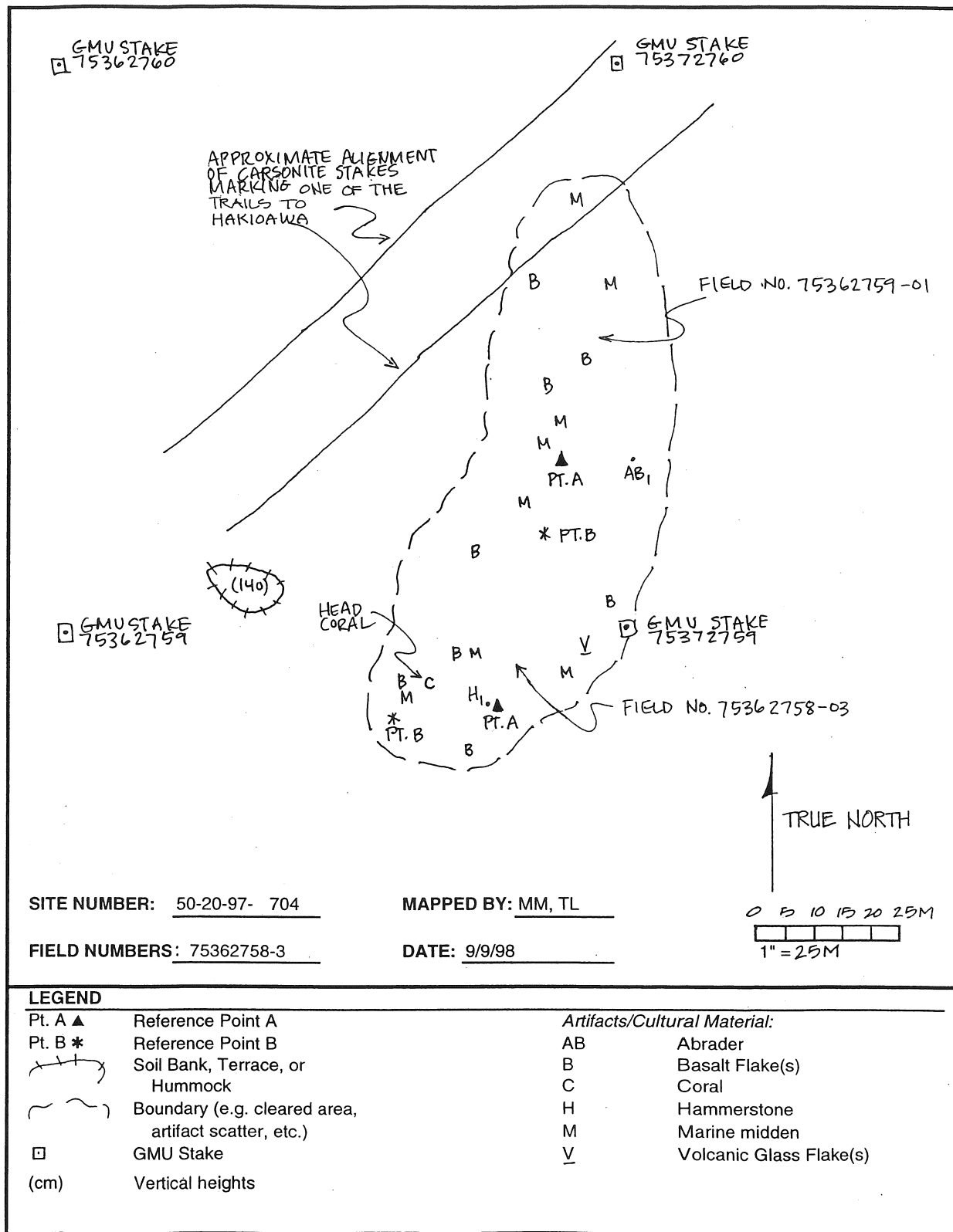
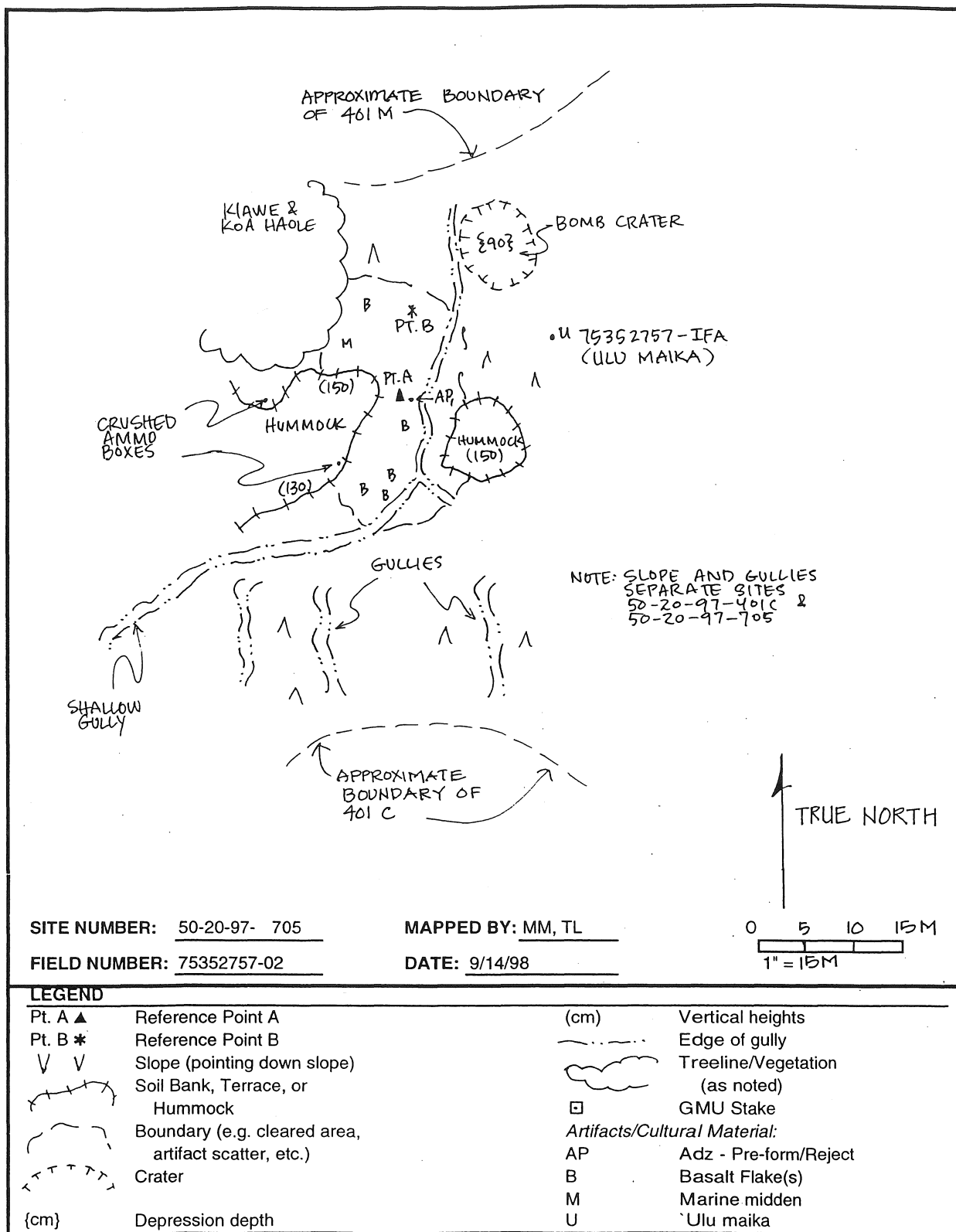


Figure B-228. Site 705, Plan Map



SITE NUMBER (SIHP): 50-20-97-707

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75392757-1

GMU: 75392757

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 90 m (L) x 85 m (W)

SITE AREA: Approx. 7650 sq. m

Site Description

Site 707 consists of a scatter of fractured basalt, volcanic glass and basalt flakes, coral and basalt artifacts, and marine shell midden (*Thaididae*, *Cellana*, and *Cypraea spp.*). Artifacts recorded at this feature include one adz preform/reject, one hammerstone, two basalt cores, three coral abraders, two basalt awls, one biface, one volcanic glass core, and one miscellaneous artifact. The site is situated on the northeast slope of Moa`ulanui, in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7; Figure B-229). Cultural materials were observed eroding out of one of the hummocks in the northwest corner of the site. The surrounding vegetation consists of *koa haole*, *kiawe*, and unidentified grasses. The site sits at an elevation of approximately 435 m and is within Hommon's Inland Settlement Zone (1980:48).

SITE NUMBER (SIHP): 50-20-97-709

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Finished adz, Volcanic Glass, Basalt Flakes, Marine Midden

FIELD NO.: 75392752-2

GMU: 75392752

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 74 m (L) x 68 m (W)

SITE AREA: Approx. 5032 sq. m

Site Description

Site 709 consists of a low-density scatter of fractured basalt, basalt flakes, a small quantity of volcanic glass, two head coral fragments, several specimens of marine shell midden (primarily *Thaididae spp.*), and the butt-end of a polished adz that was recorded. The site is situated on the hardpan slope of eastern Moa`ulanui, situated at an elevation of approximately 430 m. Within the boundaries of the Site 709 scatter there is little to no vegetation, though around the perimeter of the site there are some small areas of low grass. Approximately 40 m southeast of the site are two vegetated hummocks (Figure 3-7; Figure B-230). Feature 150-E is located approximately 70 m to the west and Site 144 is located approximately 45 m to the east.

Figure B-229. Site 707, Plan Map

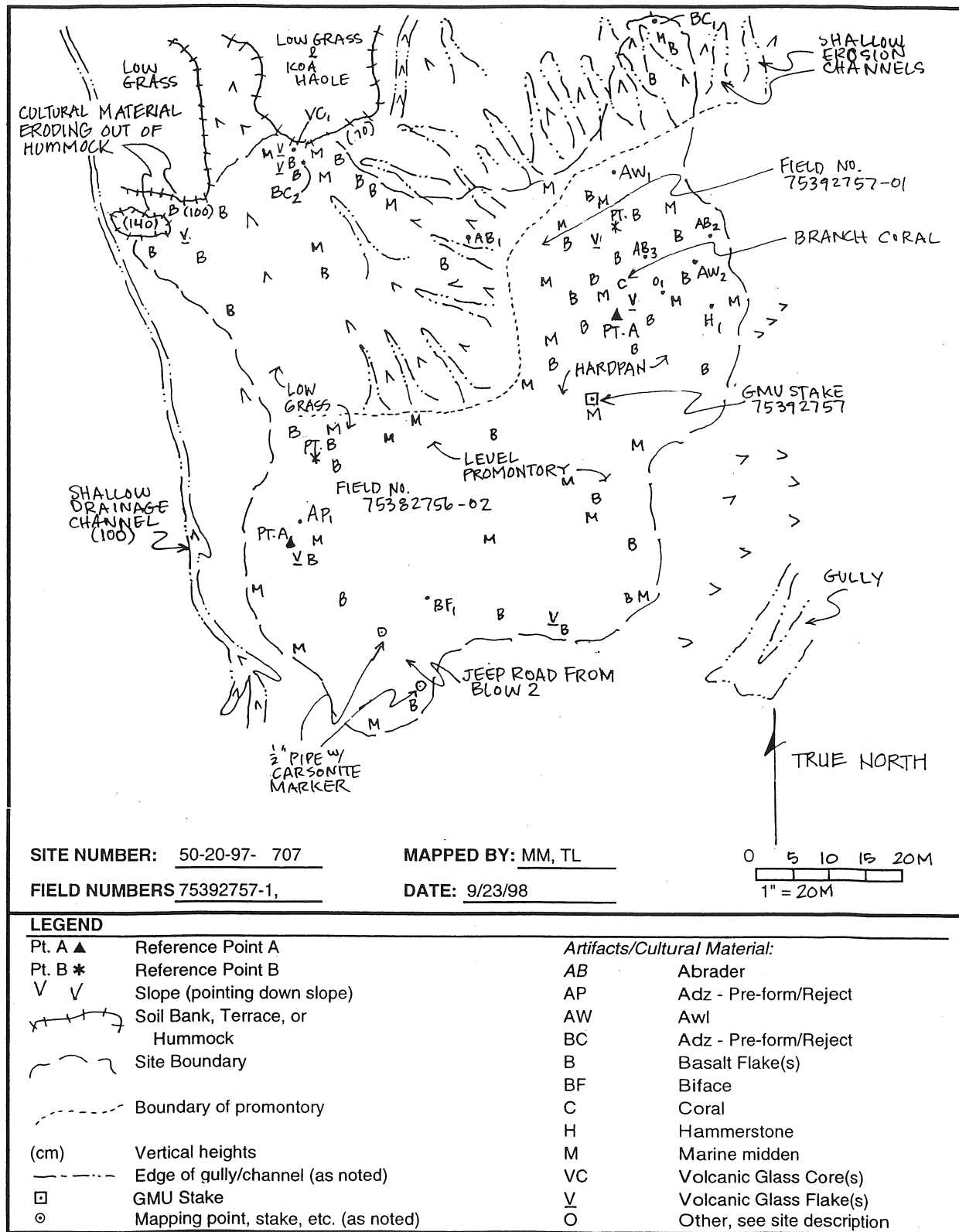
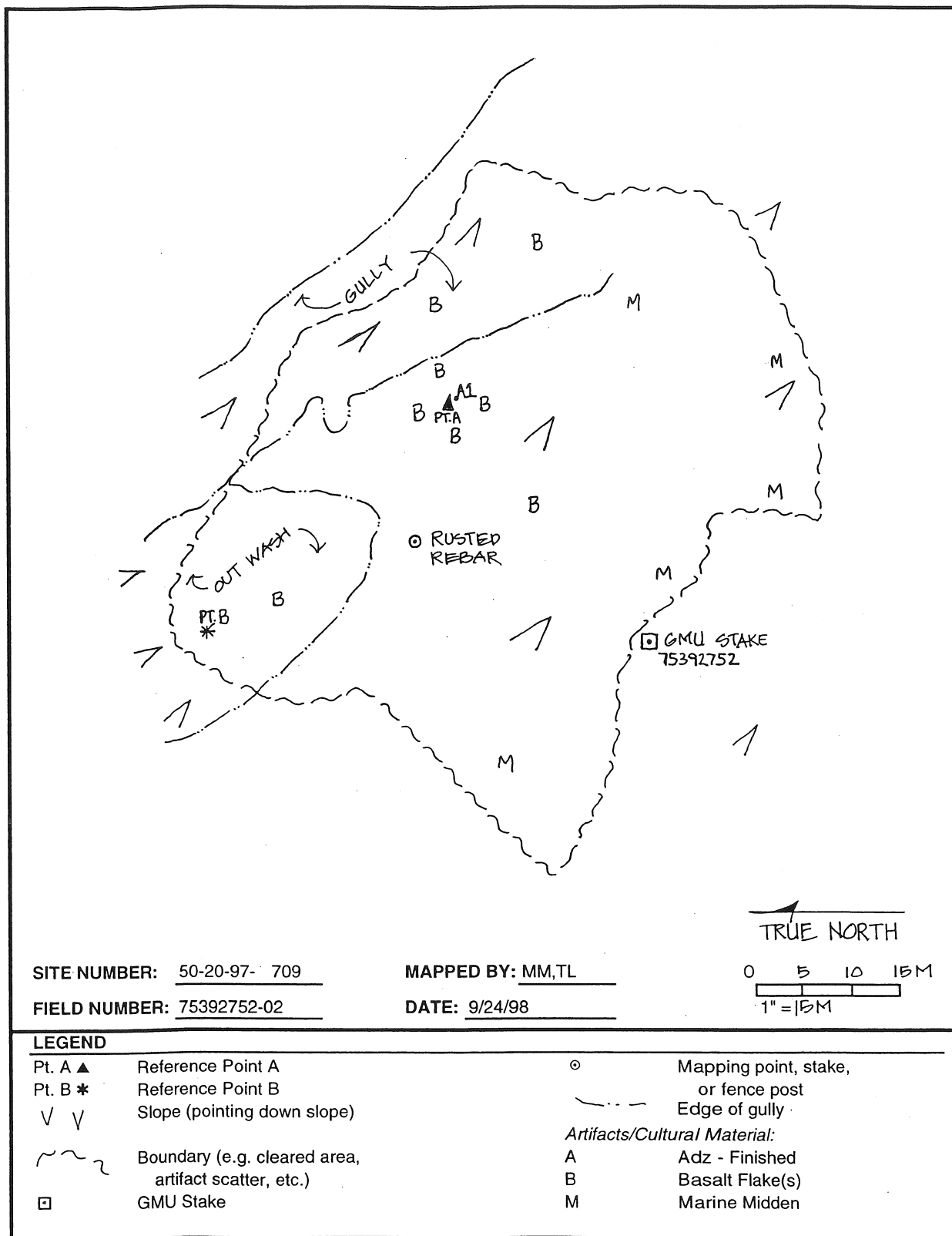


Figure B-230. Site 709, Plan Map



SITE NUMBER (SIHP): 50-20-97-710

FEATURE: None

STATUS: New

SETTING: Coastal

PROBABLE AGE: Prehistoric

SITE TYPE: Complex

SITE FUNCTION: Shelter

MATERIAL CHARACTERISTICS:

Marine Midden

FIELD NO.: 74122704-1

GMU: 74122704

WORK AREA: Base Camp

CULTURAL MATERIAL QUANTITY: < 10 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 53 m (L) x 32 m (W)

SITE AREA: Approx. 1696 sq. m

Site Description

Site 710 consists of four enclosures constructed in association with natural basalt outcrops. The site is situated on a bluff overlooking Hanakanai'a Bay (Figure 3-1; Figure B-231), and sits at an elevation of approximately 15.0 m. The surrounding vegetation consists of a moderate stand of buffel grass and *kiawe*. Boulder outcrops are scattered intermittently throughout the site.

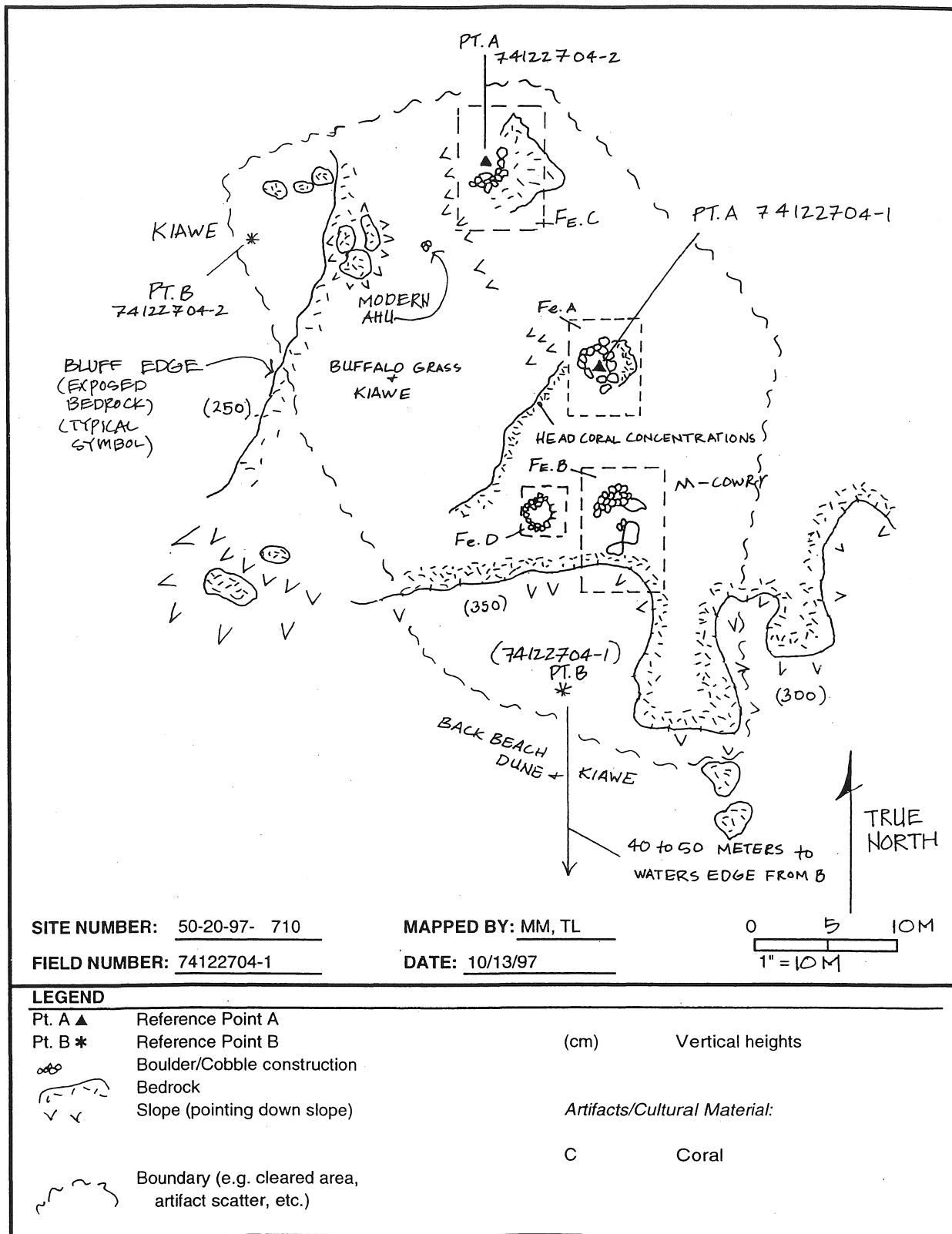
Structure A is a circular enclosure measuring 3.0 m in diameter. The low enclosing wall stands 0.35 m high, consisting of one to two courses of stone on the exterior, and 0.15 m high, consisting of one course of stone on the interior. A concentration of branch coral is located to the west of this structure; however no midden or lithic debitage was observed within or in the immediate area surrounding the structure.

Structure B is a C-shape enclosure measuring 7.0 by 3.0 m. The enclosing wall stands 0.40 m high, consisting of one to two courses of stone on the interior, and sits flush with the soil surface on the exterior. A single fragment of *Cypraea spp.* shell was observed at the east end of the structure. No other portable remains were observed within or in the area immediately surrounding the structure.

Structure C is a C-shape enclosure constructed up against a basalt outcrop. The enclosure measures 2.5 by 3.0 m. The height of the wall interior ranges from 0.5 m in the lowest section to 1.2 m in the highest section. It is constructed of basalt cobbles and boulders stacked 2 to 4 courses high. The exterior height of the wall extending from the basalt outcrop is 0.55 m. No portable remains were observed within or in the area immediately surrounding the structure.

Structure D is a circular enclosure measuring 3.0 m in diameter. The low enclosing wall is constructed of a single course of basalt cobbles and boulders that ranges in height from 0.2 to 0.3 m on the interior, and from flush to 0.15 m on the exterior. Portable remains observed consist of one fragment of coral located 1.5 m north of the structure

Figure B-231. Site 710, Plan Map



SITE NUMBER (SIHP): 50-20-97-712

FEATURE: A

STATUS: New

SETTING: Coastal

PROBABLE AGE: Historic

SITE TYPE: Bunker

SITE FUNCTION: Storage

MATERIAL CHARACTERISTICS:

Other Items

FIELD NO.: 74142707-1

GMU: 74142707

WORK AREA: Base Camp

CULTURAL MATERIAL QUANTITY: < 10 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 3.5 m (L) x 2.5 m (W)

SITE AREA: Approx. 8.75 sq. m

Site Description

Site 712 is a complex of three World War II era ammunition bunkers located 1.0 to 3.0 meters from the road leading to the radio communications tower/observation point (Figure 3-1). The site is situated in area vegetated with buffel grass and *kiawe*. The site sits at an elevation of approximately 35 m and is within Hommon's Coastal Settlement Zone (1980:48). All three bunkers are of uniform cement construction measuring 3.5 by 2.5 m. Evidence for age comes from the date, "8-8-42," carved onto the exterior surface of the south facing wall of feature A.

Feature A Description

Feature A is located 1.5 m from the road, surrounded by basalt boulders and a natural basalt outcrop. It has wooden support beams in front of the bunker to hold back a soil embankment – possibly the excavated material from the bunker construction. This structure has a wooden door with a padlock and a wooden floor. One Robitussin bottle, one metal pipe, and one tin can were found inside the structure. There is a date of "8-8-42" on the wall and a date of "8-21-42" on the top (Figure B-232).

SITE NUMBER (SIHP): 50-20-97-712

FEATURE: B

STATUS: New

SETTING: Coastal

PROBABLE AGE: Historic

SITE TYPE: Bunker

SITE FUNCTION: Storage

MATERIAL CHARACTERISTICS:

Other Items

FIELD NO.: 74132707-1

GMU: 74132707

WORK AREA: Base Camp

CULTURAL MATERIAL QUANTITY: < 10 Items

CULTURAL MATERIAL DENSITY: Low

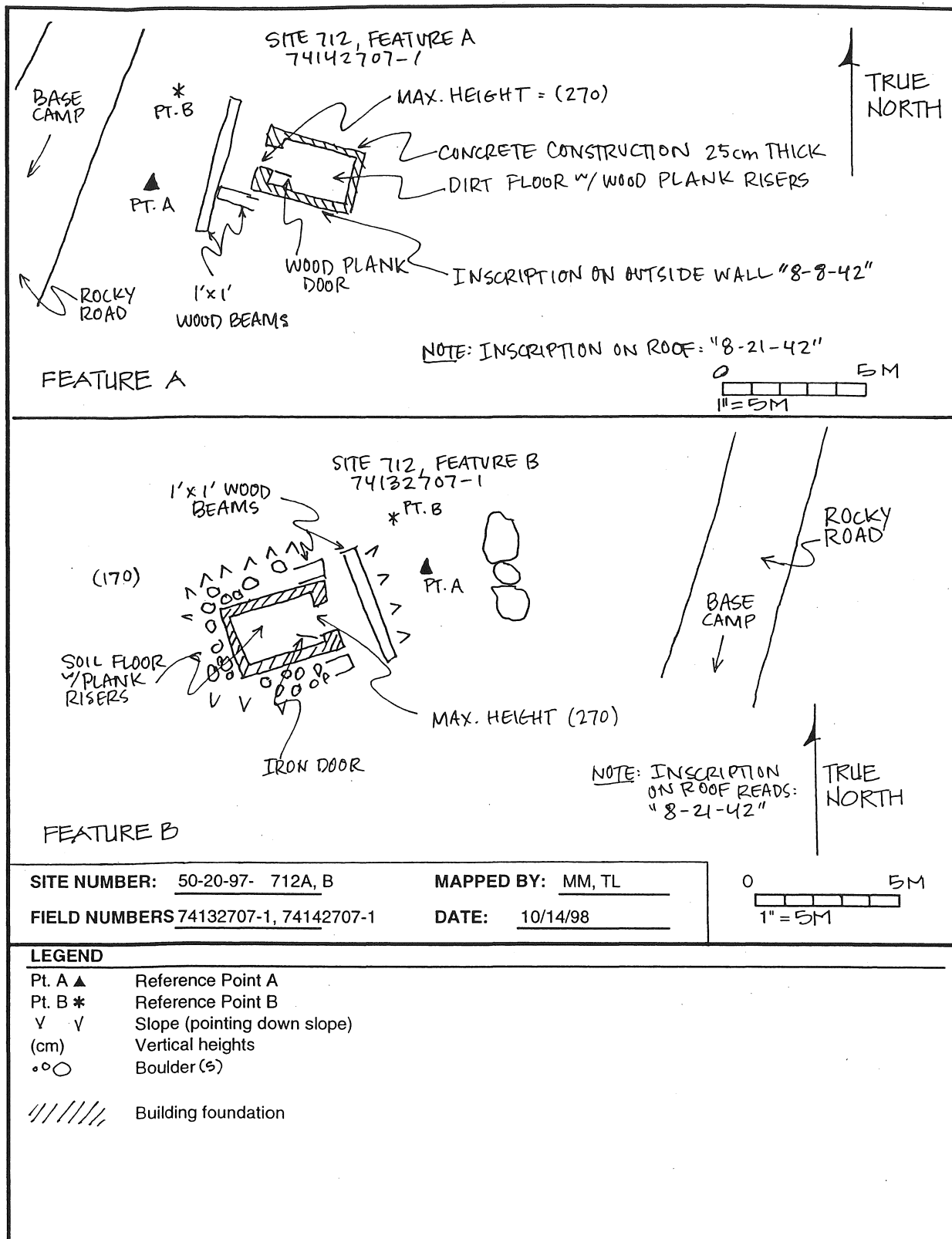
SITE DIMENSIONS: 3.5 m (L) x 2.5 m (W)

SITE AREA: Approx. 8.75 sq. m

Site Description

Feature B is a cement bunker with the date, "8-21-42," engraved on the top of the structure. It is located 1.3 m from the road. This structure has a rusted heavy steel door. Debris found inside the structure includes C-ration cans, metal grates, wood slats, rusted metal bands, and a sign that says, "air shipment – safety fuse." A steel drum and basalt outcrops surround the exterior. Wooden beams across the front of the structure support the construction back dirt (Figure B-232).

Figure B-232. Site 712, Feature A and B, Plan Map



SITE NUMBER (SIHP): 50-20-97-712

FEATURE: C

STATUS: New

SETTING: Coastal

PROBABLE AGE: Historic

SITE TYPE: Bunker

SITE FUNCTION: Storage

MATERIAL CHARACTERISTICS:

Other Items

FIELD NO.: 74132706-1

GMU: 74132706

WORK AREA: Base Camp

CULTURAL MATERIAL QUANTITY: < 10 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 3.5 m (L) x 2.5 m (W)

SITE AREA: Approx. 8.75 sq. m

Site Description

Feature C is a cement bunker located 3.0 m from the road. The top of the structure is inscribed with the date, "1942," with "3rd Naval Project" written beneath it. This structure has no doors, and there are holes in the ceiling and north-facing wall. The site has been used as a modern trash dump as evidenced by a large number of MRE and C-ration remains on the interior surface. Wooden beams in front of the structure support the construction back dirt. A date of "8-24-42" appears on the side of the bunker and a date of "9-2-42" appears on the top of the bunker (Figure B-233).

SITE NUMBER (SIHP): 50-20-97-714

FEATURE: None

STATUS: New

SETTING: Coastal

PROBABLE AGE: Indeterminate

SITE TYPE: Modified Outcrop

SITE FUNCTION: Indeterminate

MATERIAL CHARACTERISTICS:

Other Items

FIELD NO.: 74152707-1

GMU: 74152707

WORK AREA: Base Camp

CULTURAL MATERIAL QUANTITY: < 10 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 12 m (L) x 7 m (W)

SITE AREA: Approx. 84 sq. m

Site Description

Site 714 consists of modifications to a low bedrock outcrop that overlooks Hanakana'i a Bay (Figure 3-1). Modifications consist of a short wall segment constructed of stacked small boulders. The wall is integrated into a lava outcrop at the edge of an 'a'a flow that is elevated above the surrounding terrain. To the west of the outcrop, the land surface is level soil with scattered exposed bedrock (Figure B-234)

Figure B-233. Site 712, Feature C, Plan Map

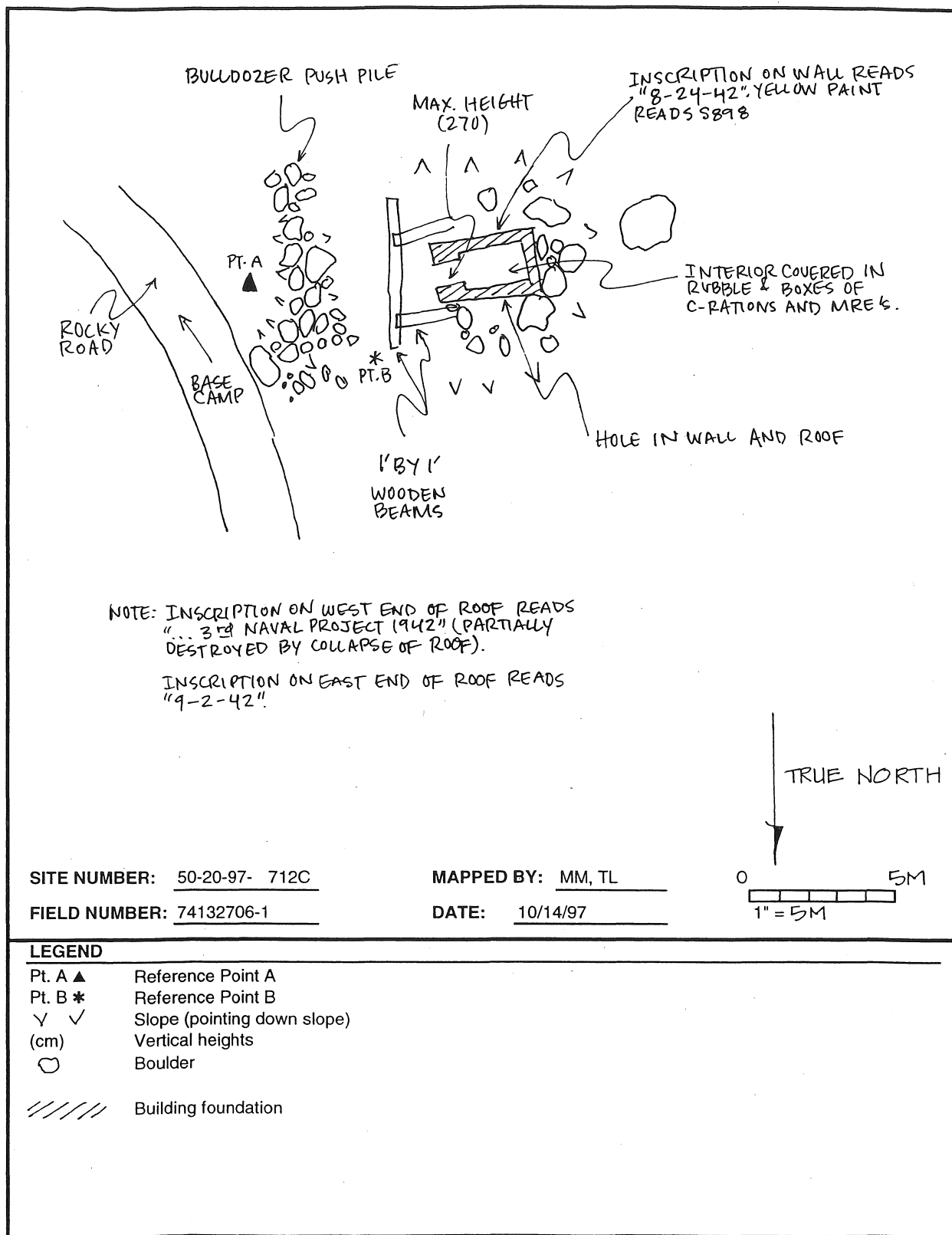
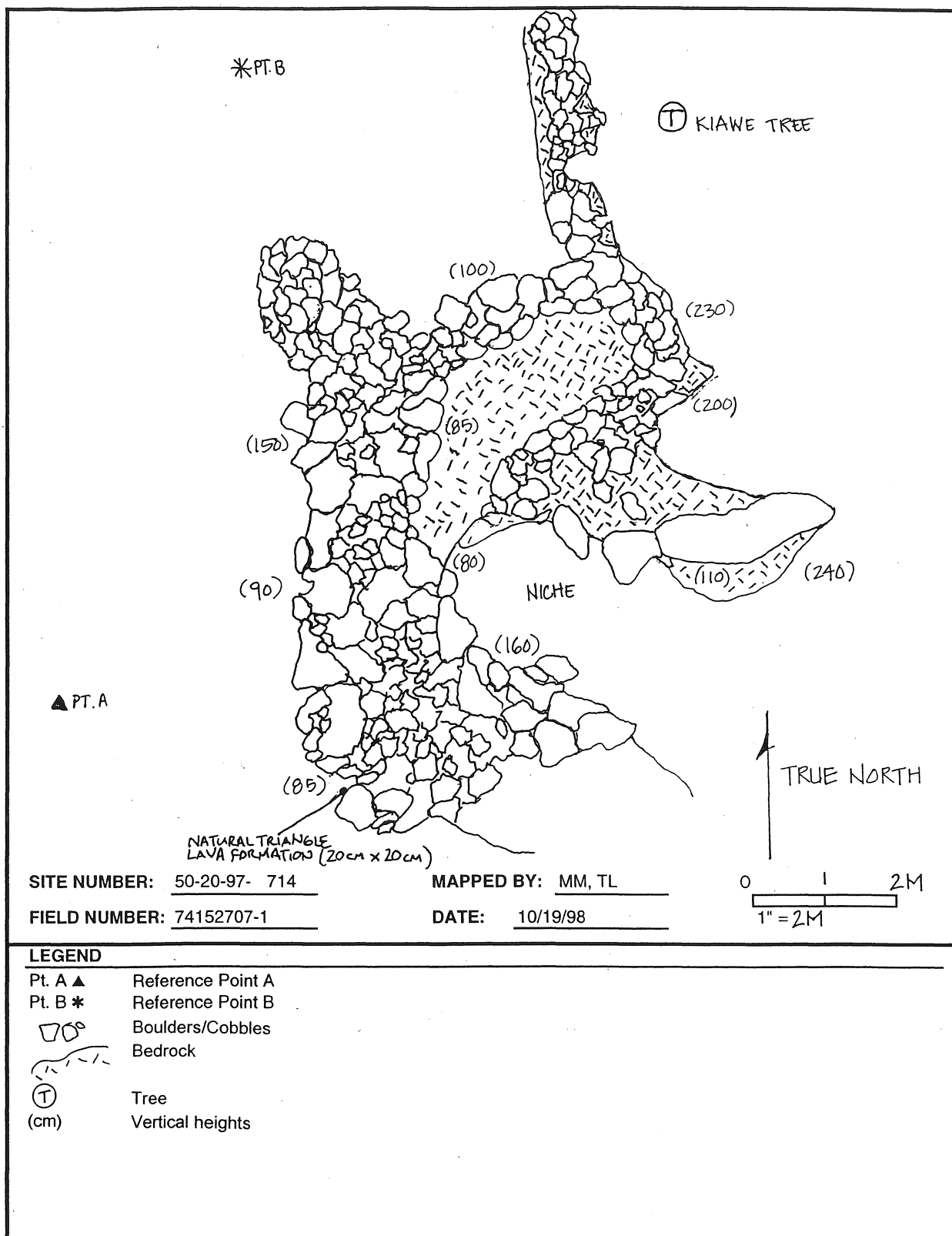


Figure B-234. Site 714, Plan Map



SITE NUMBER (SIHP): 50-20-97-715

FEATURE: A

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75312747-3

GMU: 75312747

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 24 m (L) x 21 m (W)

SITE AREA: Approx. 504 sq. m

Site Description

Site 715 is a complex of 12 activity area features located on the southern slope of Moa'ulanui. The site is situated in an area of many large and small hummocks interspersed with areas of denuded hardpan (Figure 3-7). The site, which covers an approximate area of 375 by 275 m, sits at an elevation of approximately 410 m and is within Hommon's Inland Settlement Zone (1980:48). All features of Site 715 are newly discovered within the Lua Makika work area. This collection of features is assigned a single SIHP number and defined as a complex because all the features are located within close proximity, and generally around and among a series of hummocks. The constituent features (A through L) are discussed below.

Feature A Description

This feature of Site 715 consists of a small scatter of mostly fractured basalt, basalt debitage, a few fragments of coral, and marine shell midden (*Thaididae*, *Cypraea*, and *Cellana spp.*). One basalt core was recorded at this feature. Cultural materials are densely concentrated in two small areas, but are low-density everywhere else (Figure B-235). The feature is located on the southern slope of Moa'ulanui, on highly eroded hardpan that slopes to the south. There are a few patches of grass and saltbush, but no remnant soils.

SITE NUMBER (SIHP): 50-20-97-715

FEATURE: B

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75312747-2

GMU: 75312747

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 76 m (L) x 42 m (W)

SITE AREA: Approx. 3192 sq. m

Site Description

Feature B of Site 715 consists of a scatter of fractured basalt, volcanic glass and basalt flakes and cores, coral fragments, and marine shell midden (*Thaididae*, *Cypraea*, and *Cellana spp.*). There are a few fragments of head coral, but there is a relative abundance of branch coral fragments. There are also a few small basalt boulders at the site that appear to have been transported here, because the area doesn't seem to have naturally occurring boulders. Artifacts recorded at this feature include two adz preform/rejects, one hammerstone, two basalt cores, one coral abrader, two bifaces, and one miscellaneous artifact. The cultural materials are rather densely concentrated toward the center of the feature, decreasing to low-density toward the perimeter. There are two very small low hummocks or patches of remnant soil that are in the south-central portion of the feature, where artifact density is low. There is another hummock on the extreme southern end of the feature, where cultural materials at its base suggest that they have eroded out of it (Figure B-235). The presence of the many branch coral fragments, and the boulders – one of which is elongate – suggest that a shrine may have been present prior to the almost complete deflation of the feature.

SITE NUMBER (SIHP): 50-20-97-715

FEATURE: C

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75312747-1

GMU: 75312747

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 31 m (L) x 26 m (W)

SITE AREA: Approx. 806 sq. m

Site Description

This feature of Site 715 consists of a scatter of fractured basalt, manufacturing debris flakes and cores of basalt and volcanic glass, a few fragments of coral, and a small amount of marine shell midden. Marine shell species include *Thaididae*, *Cypraea spp.*, and one shell of an unidentified large species. Artifacts recorded at this feature include one adz preform/reject and one miscellaneous artifact. Cultural materials are scattered around and between two medium-sized hummocks, from which they may have eroded. The density of the cultural material scatter is high in some places and low toward the perimeter of the site, especially on the south side of the southernmost hummock (Figure B-235).

SITE NUMBER (SIHP): 50-20-97-715

FEATURE: D

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75322747-2

GMU: 75322747

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

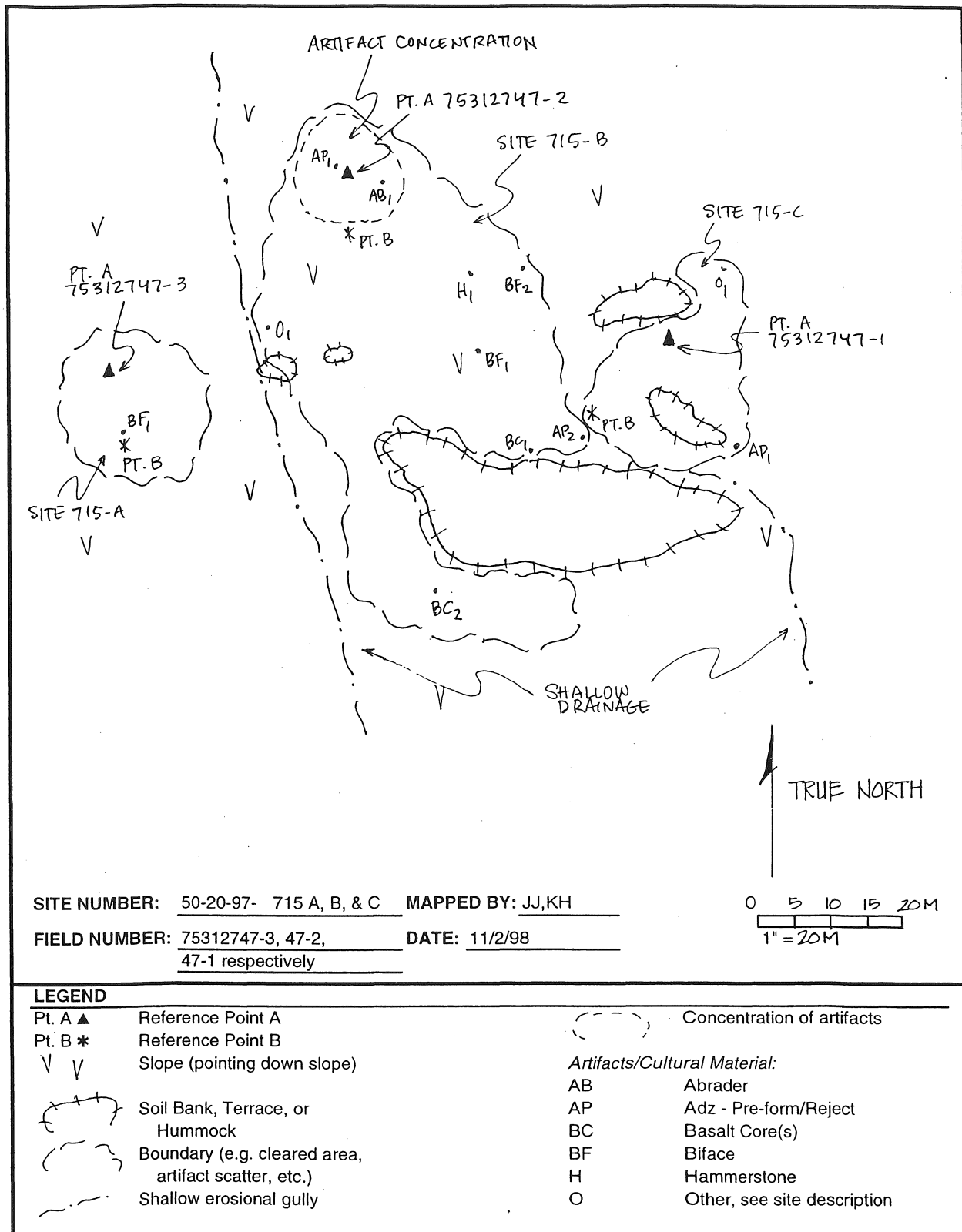
SITE DIMENSIONS: 40 m (L) x 36 m (W)

SITE AREA: Approx. 1440 sq. m

Site Description

Feature D of Site 715 consists of a low-density scatter of cultural material distributed around and adjacent to three large and small hummocks. Cultural materials include fractured basalt, volcanic glass and basalt flakes and cores, and marine shell midden (*Thaididae* and *Cellana spp.*). One hammerstone was recorded at this feature. Cultural materials are visible on the eroded hardpan surface around the grass and tree-covered hummocks (Figure B-236).

Figure B-235. Site 715, Feature A, B, and C, Plan Map



SITE NUMBER: 50-20-97- 715D

FIELD NUMBER: 75322747-2

MAPPED BY: JJ, KH

DATE: 11/3/98

LEGEND

Pt. A ▲	Reference Point A	□	GMU Stake
Pt. B *	Reference Point B	<i>Artifacts/Cultural Material:</i>	
V V	Slope (pointing down slope)	H	Hammerstone
--- (crossed)	Soil Bank, Terrace, or Hummock		
--- (dashed)	Boundary (e.g. cleared area, artifact scatter, etc.)		
--- (wavy)	Treeline/Vegetation (as noted)		

SITE NUMBER (SIHP): 50-20-97-715

FEATURE: E

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Finished adz, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75312748-1

GMU: 75312748

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 153 m (L) x 90 m (W)

SITE AREA: Approx. 13770 sq. m

Site Description

This feature of Site 715 consists of a large scatter of cultural materials, distributed between and around nine large and small hummocks. Cultural materials include fractured basalt, volcanic glass and basalt flakes and cores, a few coral fragments, basalt and coral tools and tool fragments, and marine shell midden. Marine shell species include mostly *Thaididae spp.*, with a few small fragments of *Cypraea* and *Cellana spp.* Artifacts recorded at this feature include one adz fragment, six adz preform/rejects, two hammerstones, one basalt core, one coral abrader, one biface, and one miscellaneous artifact. The density of the cultural material scatter ranges from high to low. Primarily, cultural materials are visible in the non-vegetated areas between and around the hummocks. A few artifacts were observed on the hummocks, and presumably they contain many more (Figure B-237).

SITE NUMBER (SIHP): 50-20-97-715

FEATURE: F

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Basalt Flakes, Marine Midden

FIELD NO.: 75322747-1

GMU: 75322747

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 31 m (L) x 7 m (W)

SITE AREA: Approx. 217 sq. m

Site Description

Feature F of Site 715 consists of a very small scatter of mostly fractured basalt, with some basalt debitage and one *Thaididae spp.* shell. The site is located on the southern slope of Lua Makika, situated in the narrow, eroded indentation of a large hummock (Figure B-238). Cultural materials are concentrated in high density around the center of the feature, but occur in very low density toward the perimeter. This feature is separated from 715-D by a tamarisk tree-line windbreak. Prior to the planting of the windbreak, Features D and F may have been a single activity area artifact scatter.

SITE NUMBER (SIHP): 50-20-97-715

FEATURE: G

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Basalt Flakes, Marine Midden

FIELD NO.: 75322748-1

GMU: 75322748

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 39 m (L) x 28 m (W)

SITE AREA: Approx. 1092 sq. m

Site Description

This feature of Site 715 consists of a low-density scatter of mostly fractured basalt, basalt debitage, and marine shell midden. Shell specimens include *Thaididae spp.*, and one helmet (*Cassia spp.*) fragment. The southern boundary of feature G is adjacent to the same large hummock that is partially surrounded by Site 715 features H and I (Figure B-239).

Figure B-237. Site 715, Feature E, Plan Map

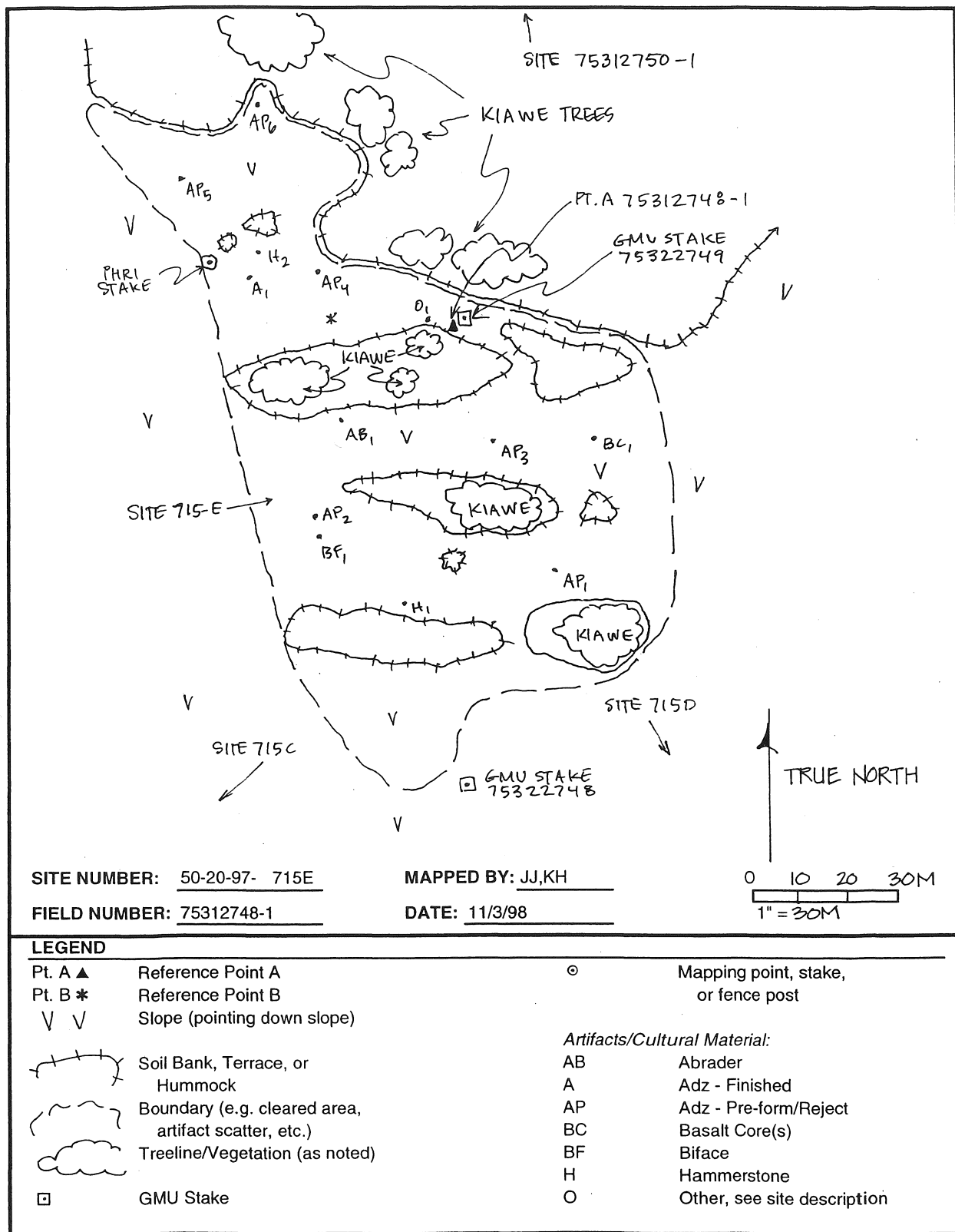


Figure B-238. Site 715, Feature F, Plan Map

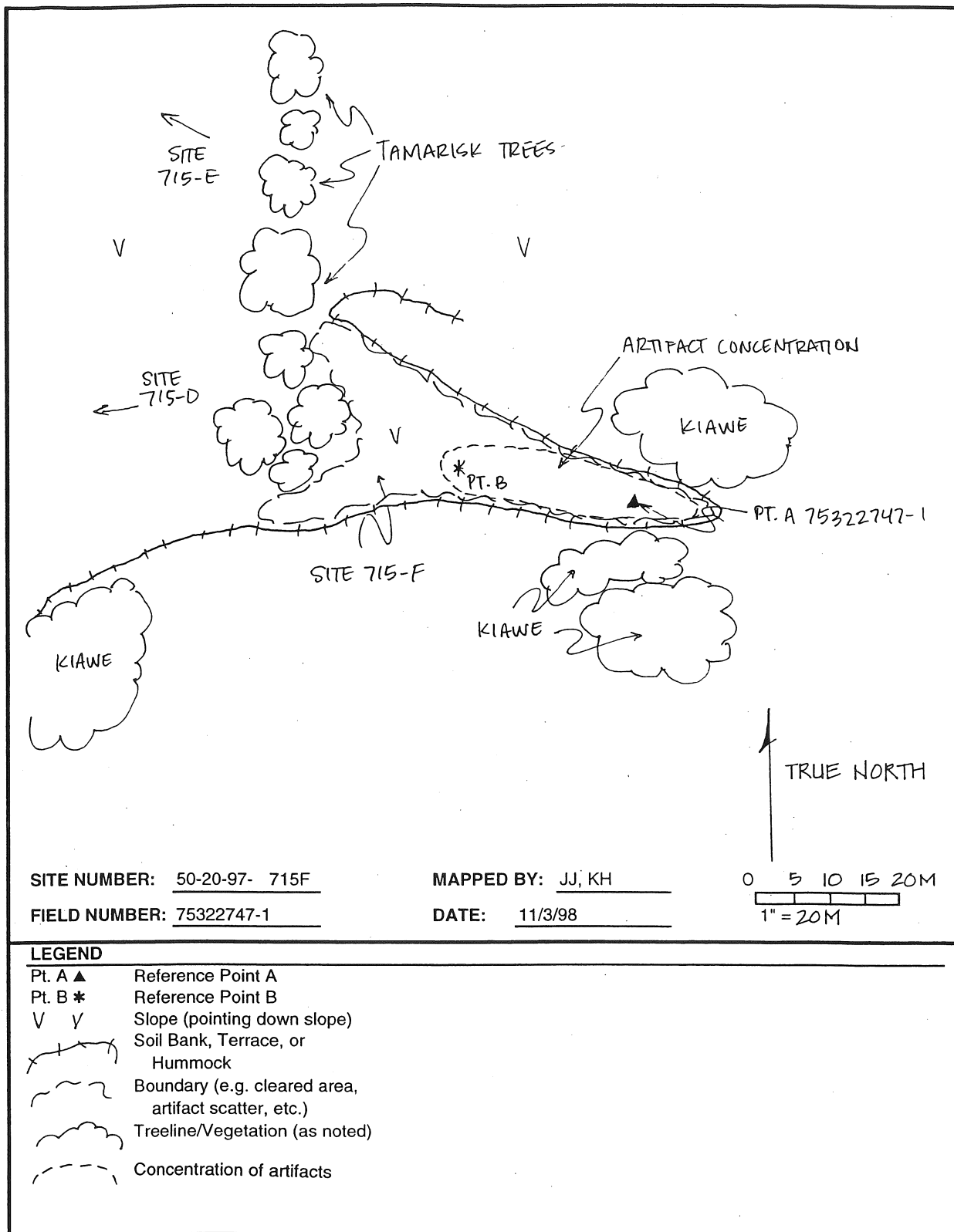
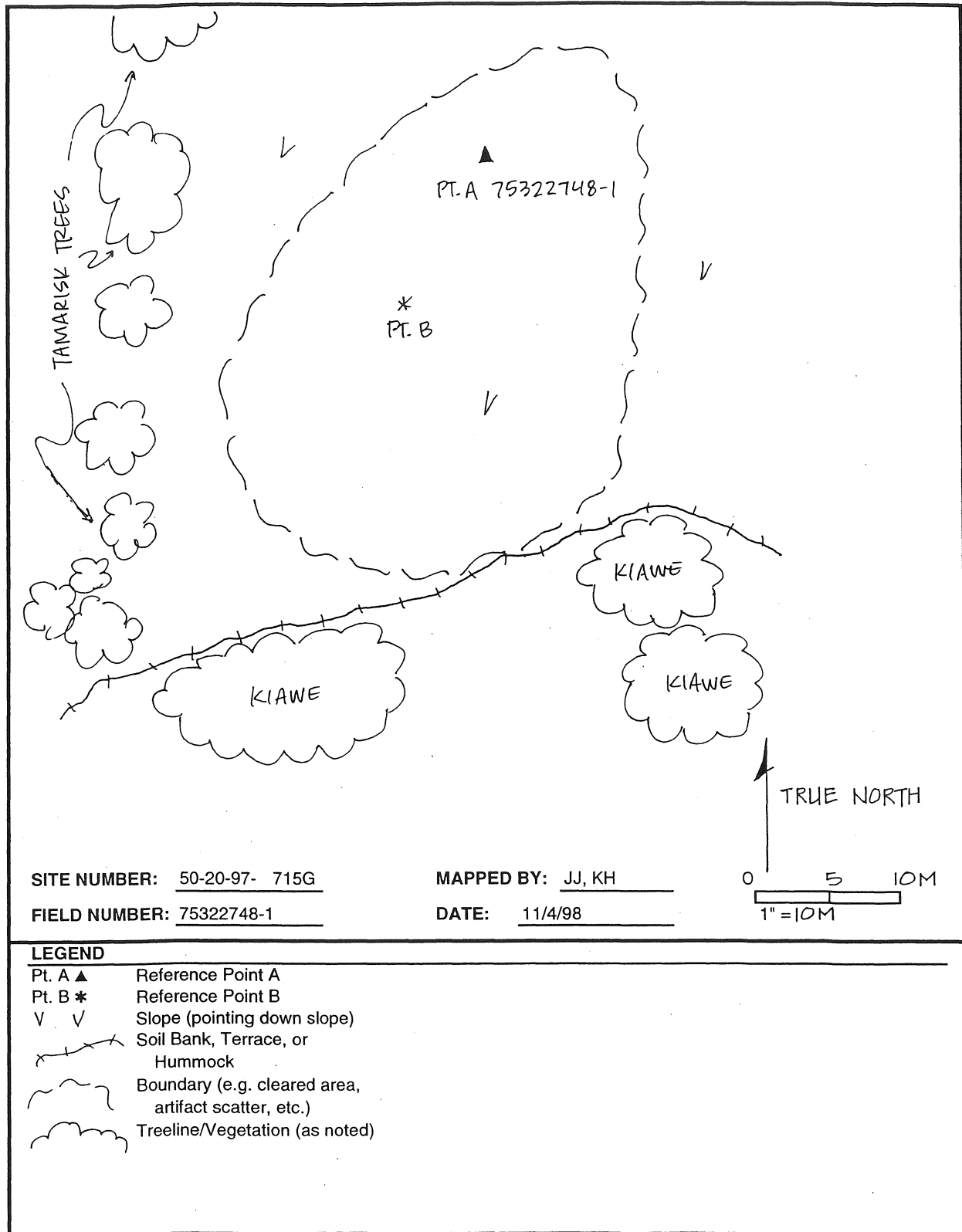


Figure B-239. Site 715, Feature G, Plan Map



SITE NUMBER (SIHP): 50-20-97-715

FEATURE: H

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Basalt Flakes, Marine Midden

FIELD NO.: 75332747-1

GMU: 75332747

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 30 m (L) x 10 m (W)

SITE AREA: Approx. 300 sq. m

Site Description

Feature H of Site 715 consists of a small, low-density scatter of mostly fractured basalt, basalt debitage, and a few marine shell fragments. Marine shell species include *Thaididae* and small fragments of a large species, possibly a helmet (*Cassis spp.*). This feature is adjacent to southern edge of a large hummock that is also associated with Features G and I of Site 715 (Figure B-240).

SITE NUMBER (SIHP): 50-20-97-715

FEATURE: I

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75332748-1

GMU: 75332748

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 89 m (L) x 47 m (W)

SITE AREA: Approx. 4183 sq. m

Site Description

This feature of Site 715 consists of a low- to high-density scatter fractured basalt, volcanic glass and basalt flakes and cores, coral fragments, and marine shell midden. Marine shell specimens include *Thaididae*, *Cypraea*, and *Cellana spp.*, plus one fragment of a large species, possibly helmet (*Cassis spp.*). The site is situated adjacent to the large hummock that is also surrounded by Site 715 features G and H (Figure B-241). The ground surface is mostly covered by grass on shallow soils, from which cultural materials can be seen eroding.

SITE NUMBER (SIHP): 50-20-97-715

FEATURE: J

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Basalt Flakes, Marine Midden

FIELD NO.: 75342748-1

GMU: 75342748

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 37 m (L) x 10 m (W)

SITE AREA: Approx. 370 sq. m

Site Description

Feature J of Site 715 consists of a scatter of mostly fractured basalt, some basalt and volcanic glass flakes, and a few fragments of marine shell. Marine shell species include *Thaididae spp.*, and an unidentified large species, possibly helmet (*Cassis spp.*). Artifacts are in two distinct concentrations, one in a narrow eroded indentation into a large hummock, the other around a small eroded hummock area with small patches of remnant soil and vegetation (Figure B-242). Although no artifacts were observed *in situ*, the nature of the scatter around the small hummock may indicate that the artifacts are presently eroding from it. A tamarisk tree-line windbreak separates the two cultural material concentrations.

Figure B-240. Site 715, Feature H, Plan Map

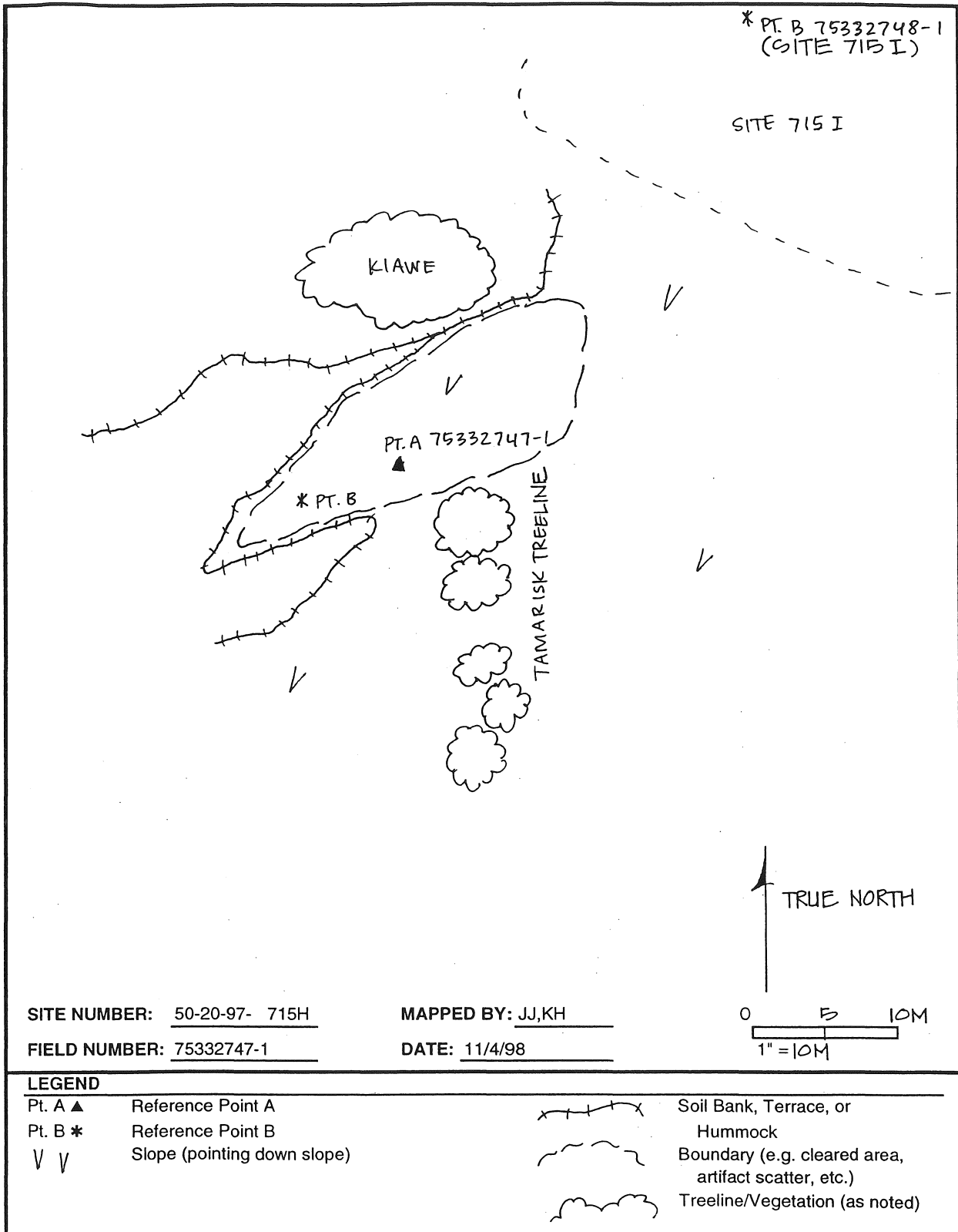


Figure B-241. Site 715, Feature I, Plan Map

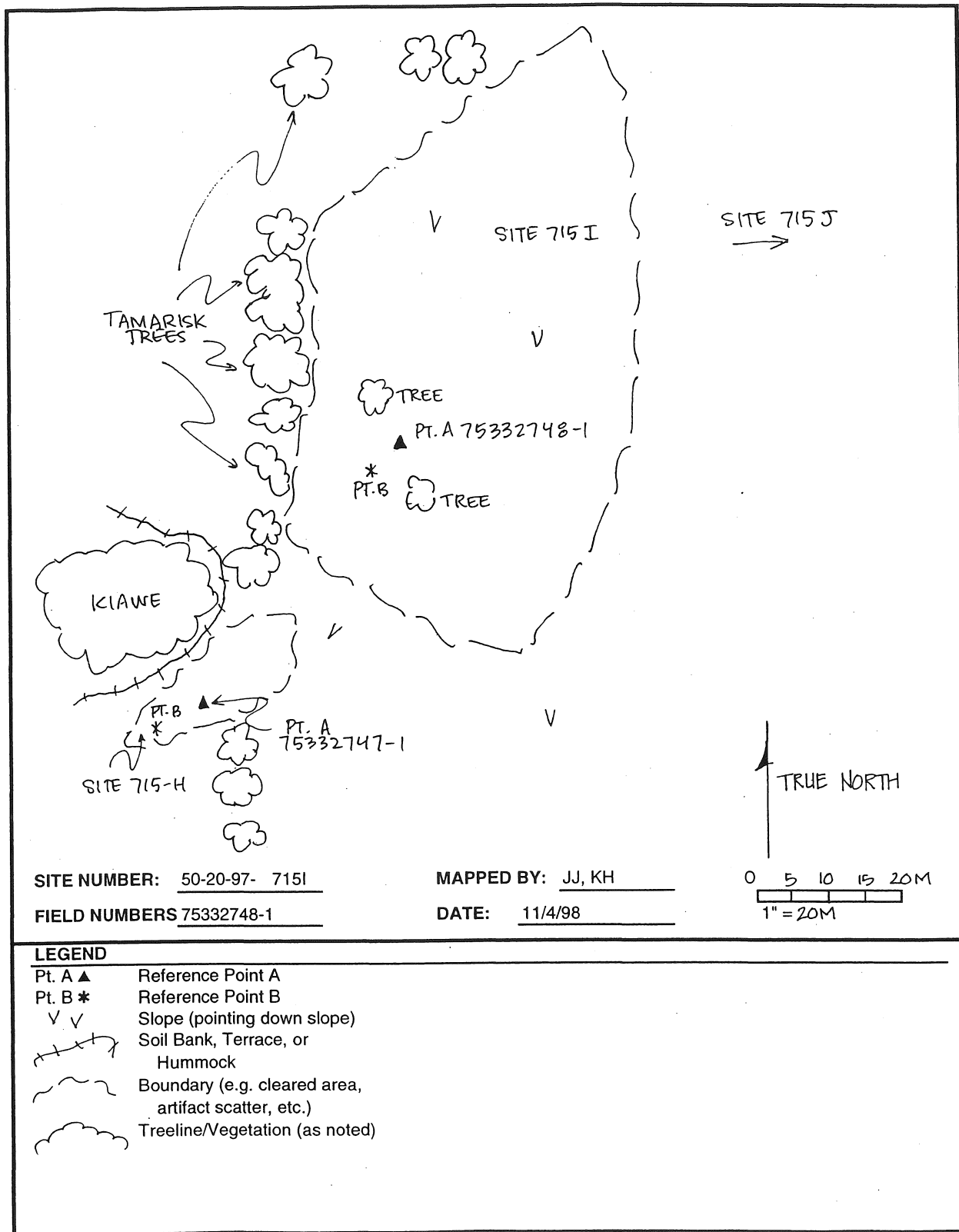
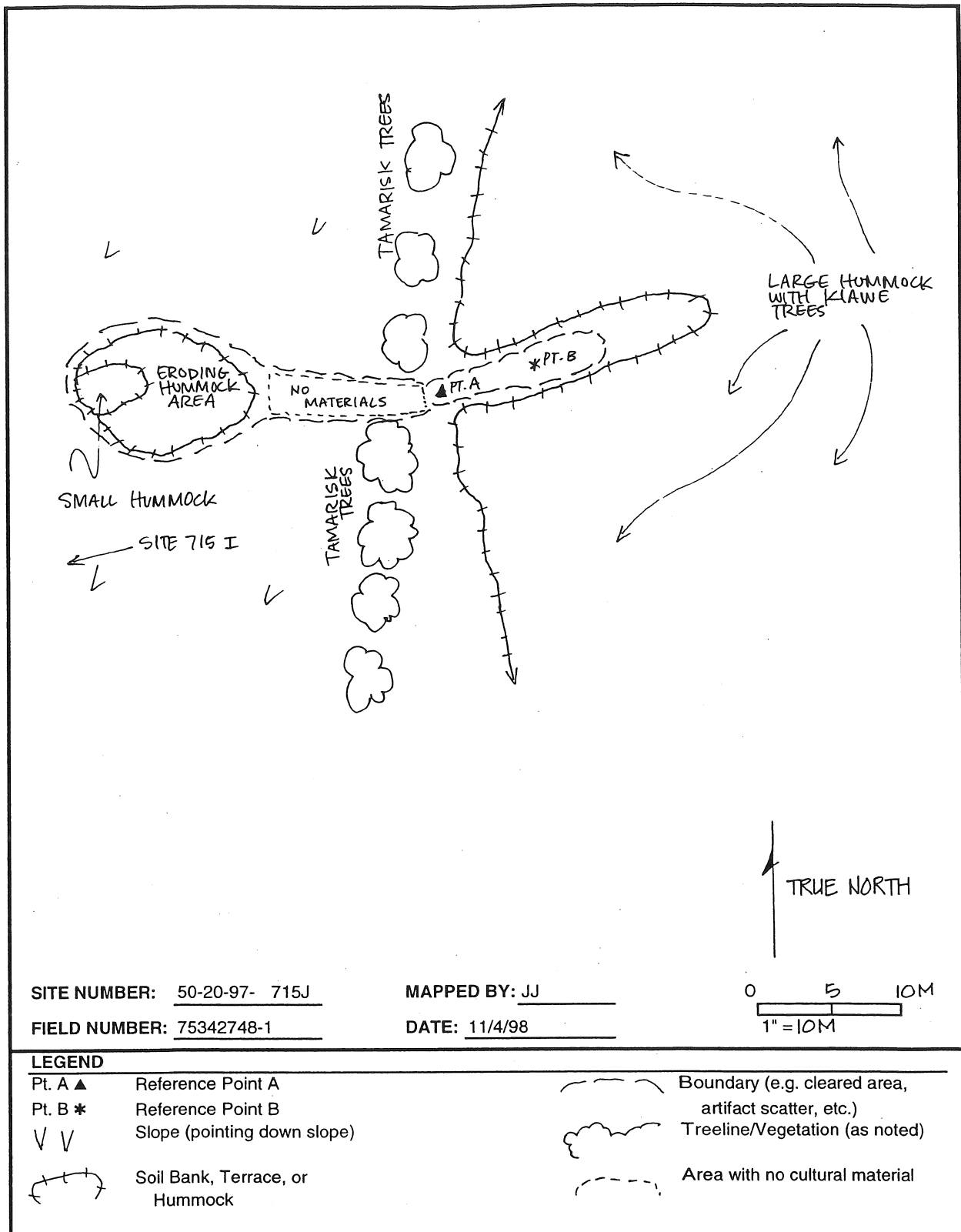


Figure B-242. Site 715, Feature J, Plan Map



SITE NUMBER (SIHP): 50-20-97-715

FEATURE: K

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75312749-1

GMU: 75312749

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 50 m (L) x 25 m (W)

SITE AREA: Approx. 1250 sq. m

Site Description

This feature of Site 715 consists of a low- to high-density scatter of fractured basalt, volcanic glass and basalt flakes and cores, one coral fragment and one *Cellana spp.* shell. One adz preform/reject was recorded at this feature. The artifact concentration density is high in some places and low in other places, but the average is low. This feature is bordered by an open grass area to the west, and a large hummock on all other sides. Also, there is a smaller hummock on the western boundary of the site (Figure B-243).

SITE NUMBER (SIHP): 50-20-97-715

FEATURE: L

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Habitation, Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Polished Flakes from Finished Adzes, Fireplace, Adz Preforms/Rejects, Intact Cultural Layer, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes

FIELD NO.: 75312750-1

GMU: 75312750

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: High

SITE DIMENSIONS: 72 m (L) x 46 m (W)

SITE AREA: Approx. 3312 sq. m

Site Description

Feature L of Site 715 consists of a medium- to high-density scatter of cultural materials distributed around two large and two small eroding hummocks. Five firepit features were observed in the eroding edges of three of the hummocks (Figure B-244). The firepit features exhibit lens- or bowl-shaped profiles in the hummock edges and typically contain fractured basalt (presumably fire-cracked rock), charcoal, and ash. Cultural materials on the surface include fractured basalt, volcanic glass and basalt flakes and cores, basalt tools and tool fragments, coral fragments, and marine shell midden. Marine shell species include *Cellana*, *Cypraea*, and *Thaididae spp.*, and one trumpet shell fragment. Artifacts recorded at this feature include one adz preform/reject, one hammerstone, one basalt core, one coral abrader, two basalt awls, one *ulu maika*, one basalt scraper, and one miscellaneous artifact.

The density of cultural materials around the hummocks is very high in some places and decreases further away from the hummocks and toward the site perimeter. There is a very dense concentration of volcanic glass on the southern side of the large hummock in the eastern portion of the site (Figure B-244). The presence of the firepit features and the density of cultural materials suggest some sort of habitation function for this site.

Figure B-243. Site 715, Feature K, Plan Map

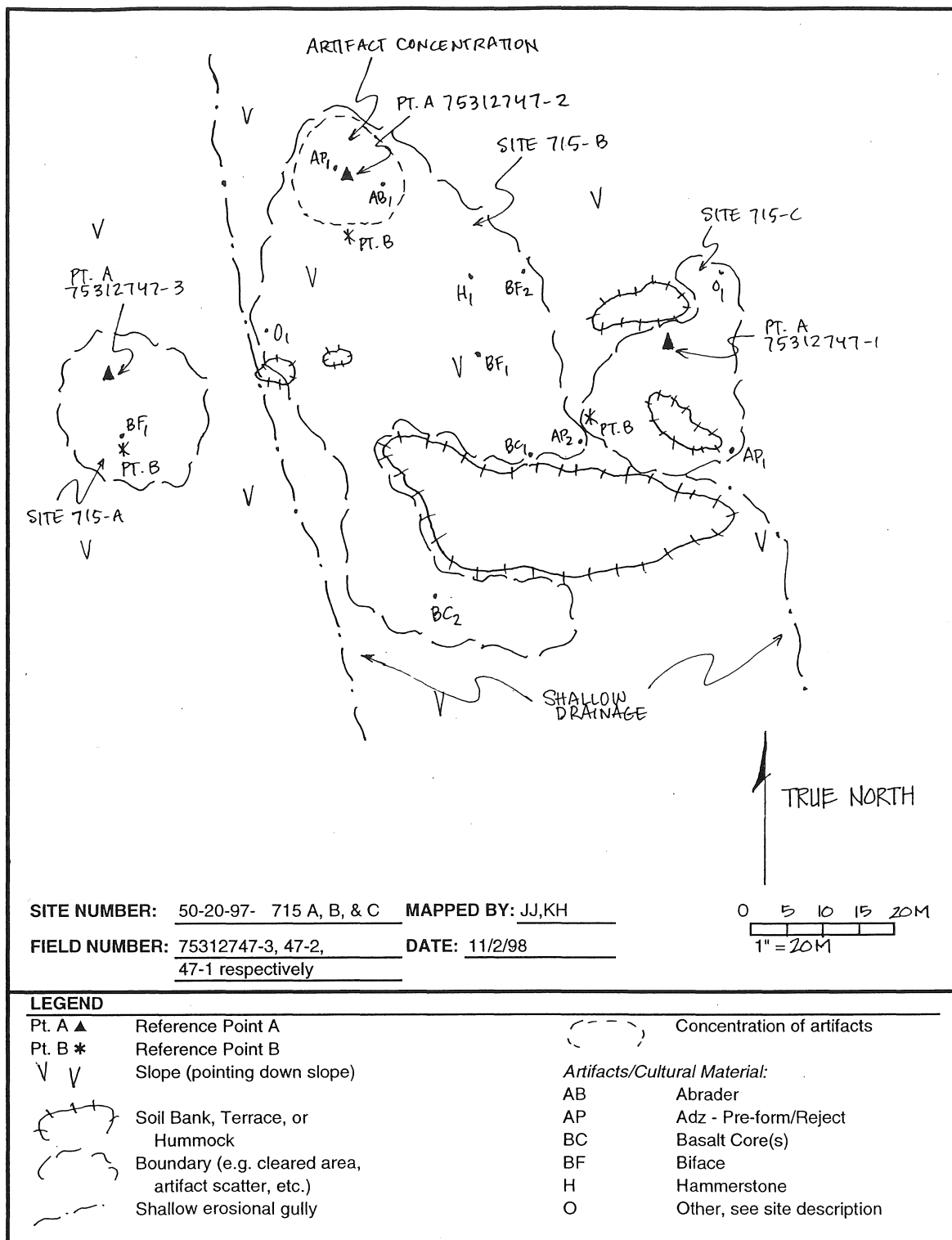
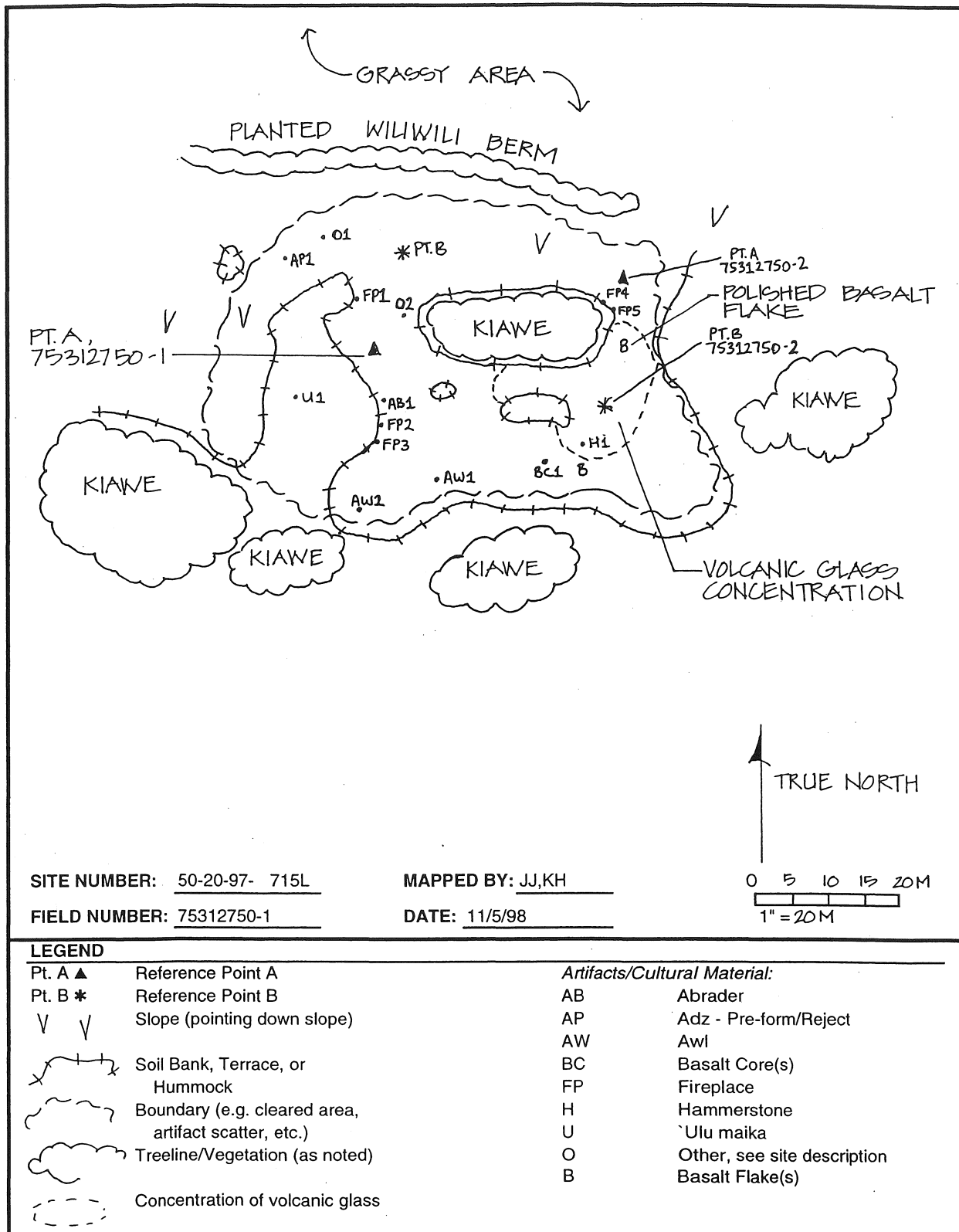


Figure B-244. Site 715, Feature L, Plan Map



SITE NUMBER (SIHP): 50-20-97-716

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Polished Flakes from Finished Adzes, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75392747-2

GMU: 75392747

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 38 m (L) x 12 m (W)

SITE AREA: Approx. 456 sq. m

Site Description

Site 716 consists of a high- to low-density scatter of fractured basalt, flakes and cores of basalt and volcanic glass, and marine shell fragments. Marine shell specimens include *Thaididae* and *Cypraea* spp. One basalt awl was recorded at this feature. The site is located on the southeastern slope of Moa'ulanui, situated on a completely eroded hardpan surface with one small patch of Australian saltbush (Figure B-245). The site is situated in a mostly denuded area, interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7). The site sits at an elevation of approximately 380 m and is within Hommon's Inland Settlement Zone (1980:48). The artifact scatter density is high at and near the center of the site and decreases to low-density toward the southeast (downslope).

SITE NUMBER (SIHP): 50-20-97-717

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Volcanic Glass, Basalt Flakes, Marine Midden

FIELD NO.: 75392747-1

GMU: 75392747

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 26 m (L) x 9 m (W)

SITE AREA: Approx. 234 sq. m

Site Description

This site consists of a small, very low-density scatter of manufacturing debris flakes of basalt and low-quality basaltic glass, one coral abrader, and one *Thaididae* spp. shell. Also, there is one basalt flake that has had sufficient flakes removed to be classified as a biface. Artifacts recorded at this feature include one coral abrader and one biface. The site is located on the southeast slope of Moa'ulanui, situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7; Figure B-246). The site sits at an elevation of approximately 390 m and is within Hommon's Inland Settlement Zone (1980:48).

Figure B-245. Site 716, Plan Map

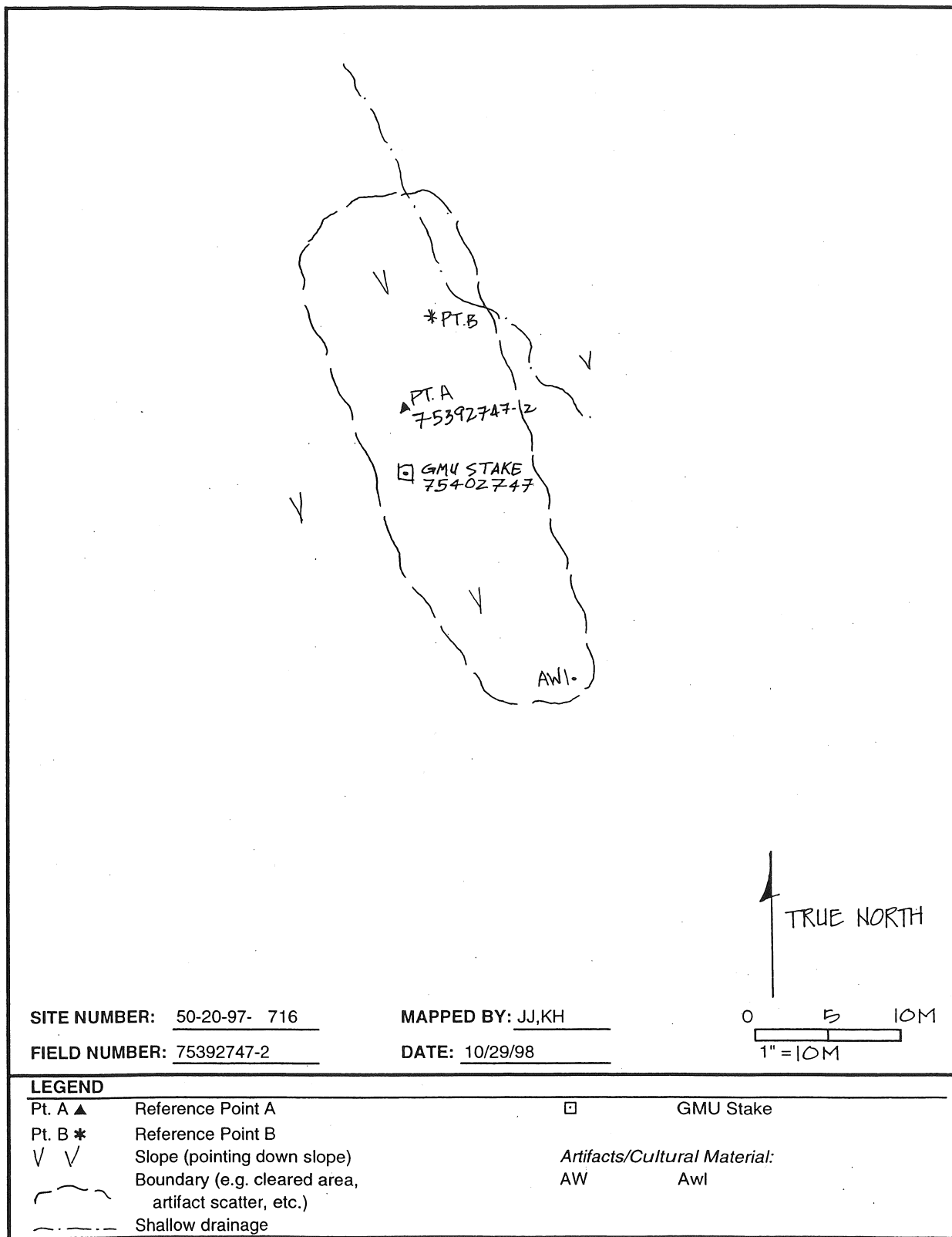
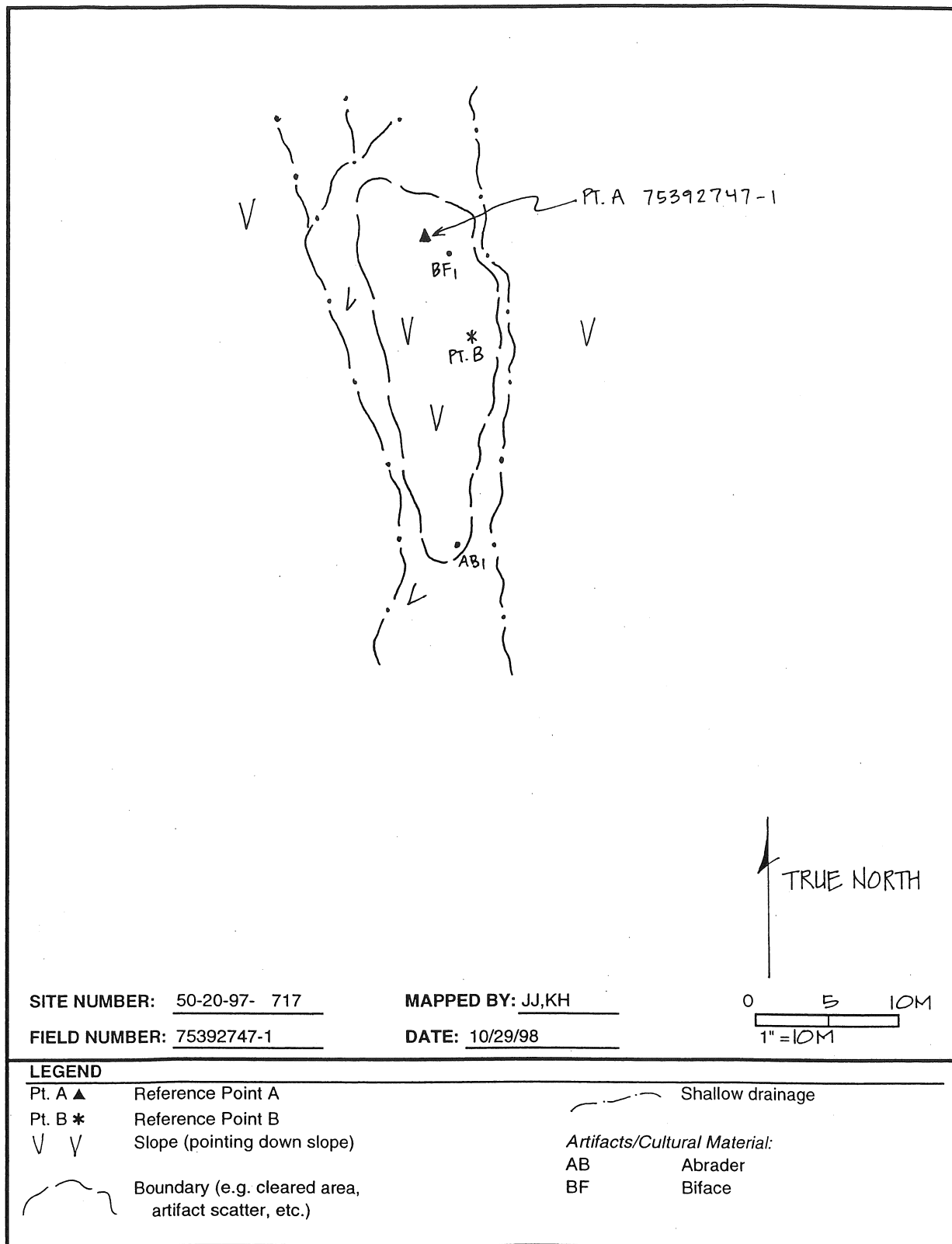


Figure B-246. Site 717, Plan Map



SITE NUMBER (SIHP): 50-20-97-718

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Basalt Flakes, Marine Midden

FIELD NO.: 75382749-1

GMU: 75382749

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 58 m (L) x 16 m (W)

SITE AREA: Approx. 928 sq. m

Site Description

Site 718 consists of a low-density scatter of mostly fractured basalt, with some flakes of basalt and one fragment of opihi (*Cellana spp.*) shell. The site is located on the southeastern slope of Moa'ulanui, situated in a mostly denuded area, interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7; Figure B-247). The site sits at an elevation of approximately 410 m and is within Hommon's Inland Settlement Zone (1980:48). Cultural materials are sparsely scattered in the orientation of the predominant slope, suggesting that materials have tumbled downhill.

SITE NUMBER (SIHP): 50-20-97-719

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75372749-1

GMU: 75372749

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 41 m (L) x 32 m (W)

SITE AREA: Approx. 1312 sq. m

Site Description

Site 719 consists of a low- to high-density scatter of fractured basalt, basalt flakes and cores, coral fragments, and marine shell fragments (*Thaididae* and *Cypraea spp.*). Fractured basalt is by far the most abundant material at this site and is in high-density concentrations in a few areas. Artifacts recorded at this feature include one adz preform/reject fragment and one biface. The site is located on the southeast slope of Moa'ulanui on almost completely denuded undulating terrain, interspersed with a few very small patches of grass and vine covered soils (Figure 3-7; Figure B-248). The site sits at an elevation of approximately 420 m and is within Hommon's Inland Settlement Zone (1980:48).

Figure B-247. Site 718, Plan Map

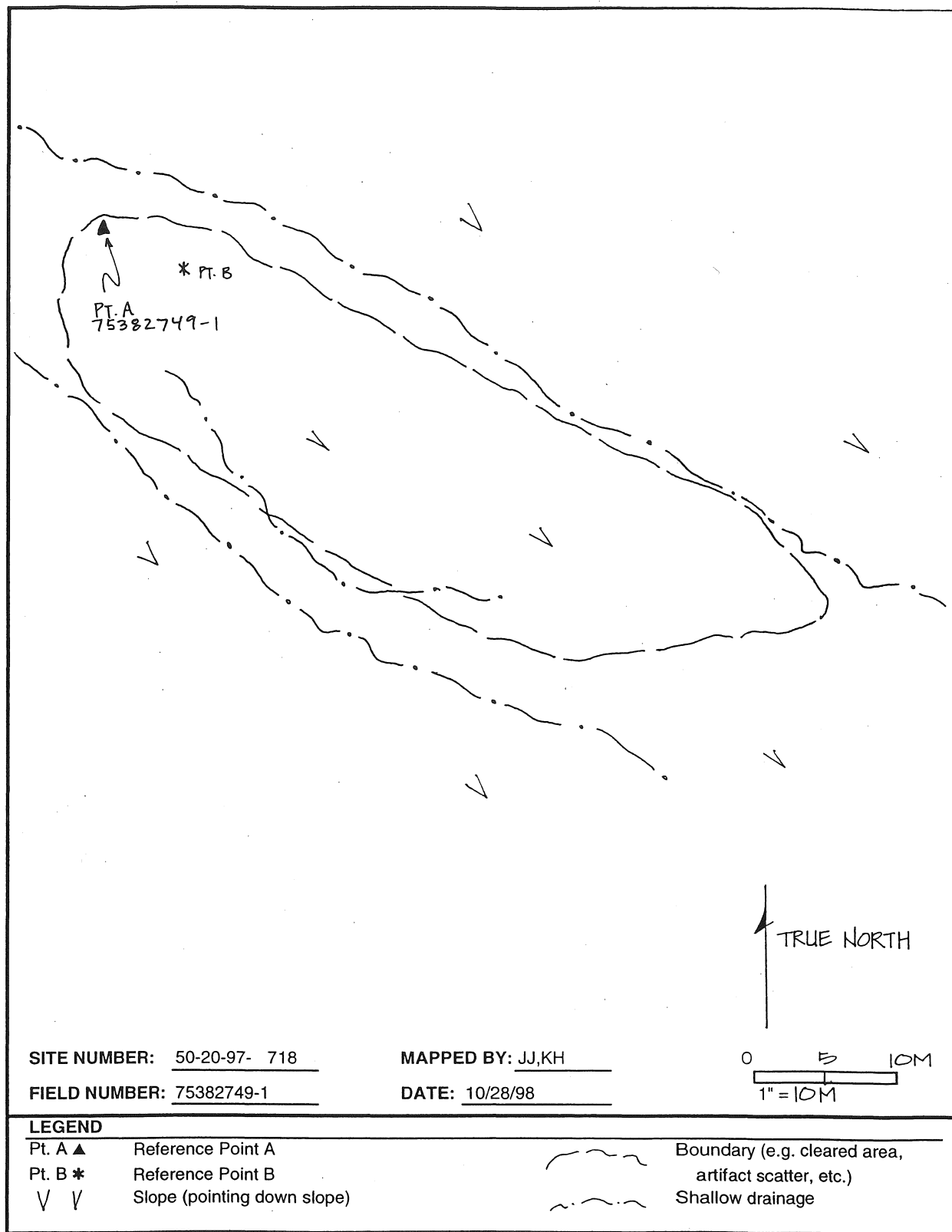
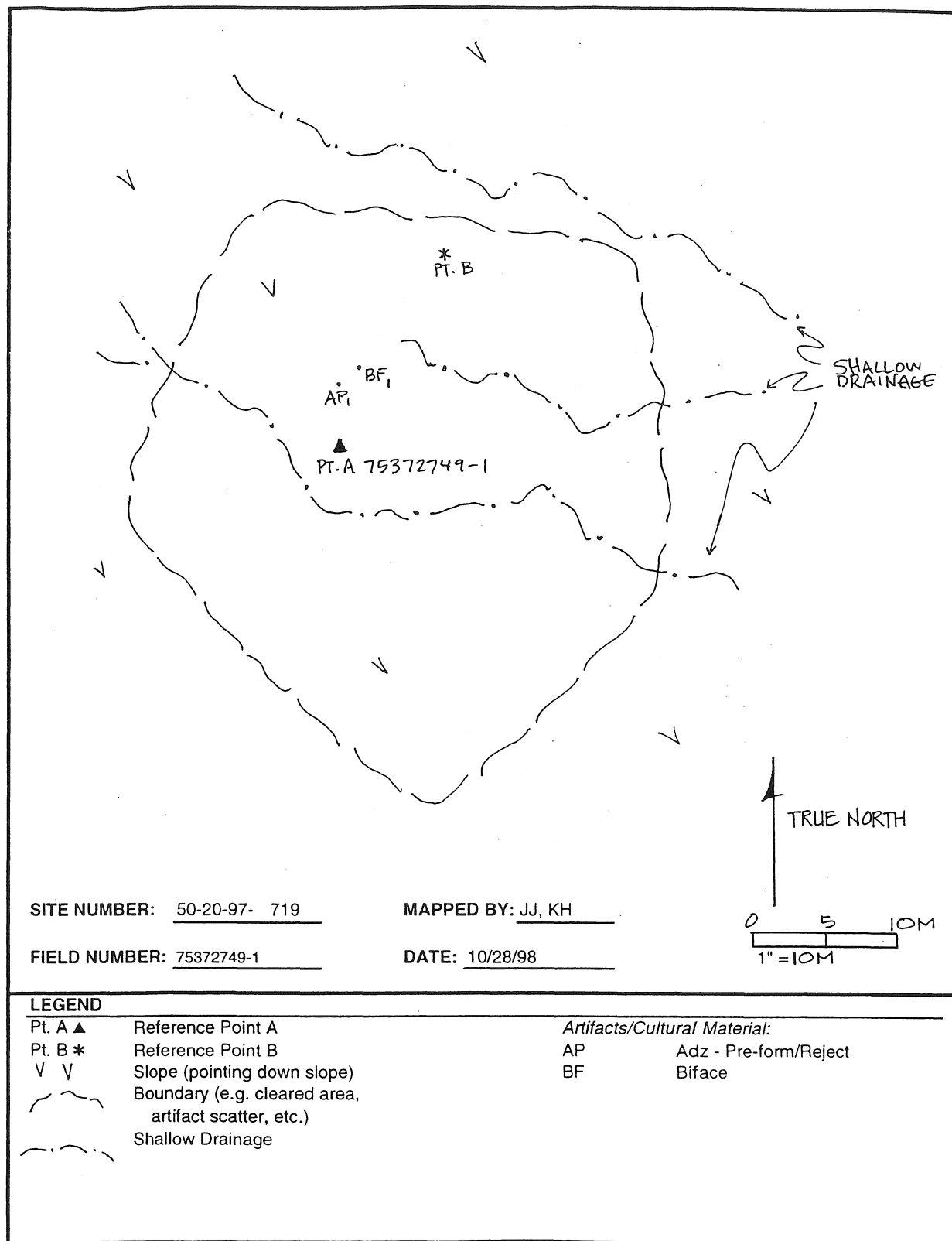


Figure B-248. Site 719, Plan Map



SITE NUMBER (SIHP): 50-20-97-720

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75372749-2

GMU: 75372749

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 22 m (L) x 10 m (W)

SITE AREA: Approx. 220 sq. m

Site Description

Site 720 consists of a small scatter of fractured basalt, manufacturing debris flakes and cores of basalt, a few fragments of marine shell (*Thaididae* and *Cypraea spp.*), and a coral fragment. One adz preform/reject and two basalt cores were recorded at this site. Cultural materials are densely scattered around the Reference Point A, and are of medium- to low-density in the rest of the site (Figure 3-7; Figure B-249). The site is located on the southeast slope of Moa'ulanui on completely eroded hardpan surface. Site 720 sits at an elevation of approximately 415 m and is within Hommon's Inland Settlement Zone (1980:48).

SITE NUMBER (SIHP): 50-20-97-721

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Sinkers, Adz Preforms/Rejects, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75382750-1

GMU: 75382750

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 37 m (L) x 32 m (W)

SITE AREA: Approx. 1184 sq. m

Site Description

Site 721 consists of a low-density scatter of fractured basalt, basalt debitage, one basalt sinker, one *Thaididae spp.* shell, one fragment of an apparently modified waterworn basalt cobble, and two fragments of adz roughouts that are too small to analyze. However, one breadloaf-type sinker was recorded at this site. The site is located on the southeast slope of Moa'ulanui on a completely eroded hardpan surface. About 5% to 10% of the ground surface is covered with a few very small patches of grass and vine-covered shallow soils (Figure 3-7; Figure B-250). The site sits at an elevation of approximately 415 m and is within Hommon's Inland Settlement Zone (1980:48).

Figure B-249. Site 720, Plan Map

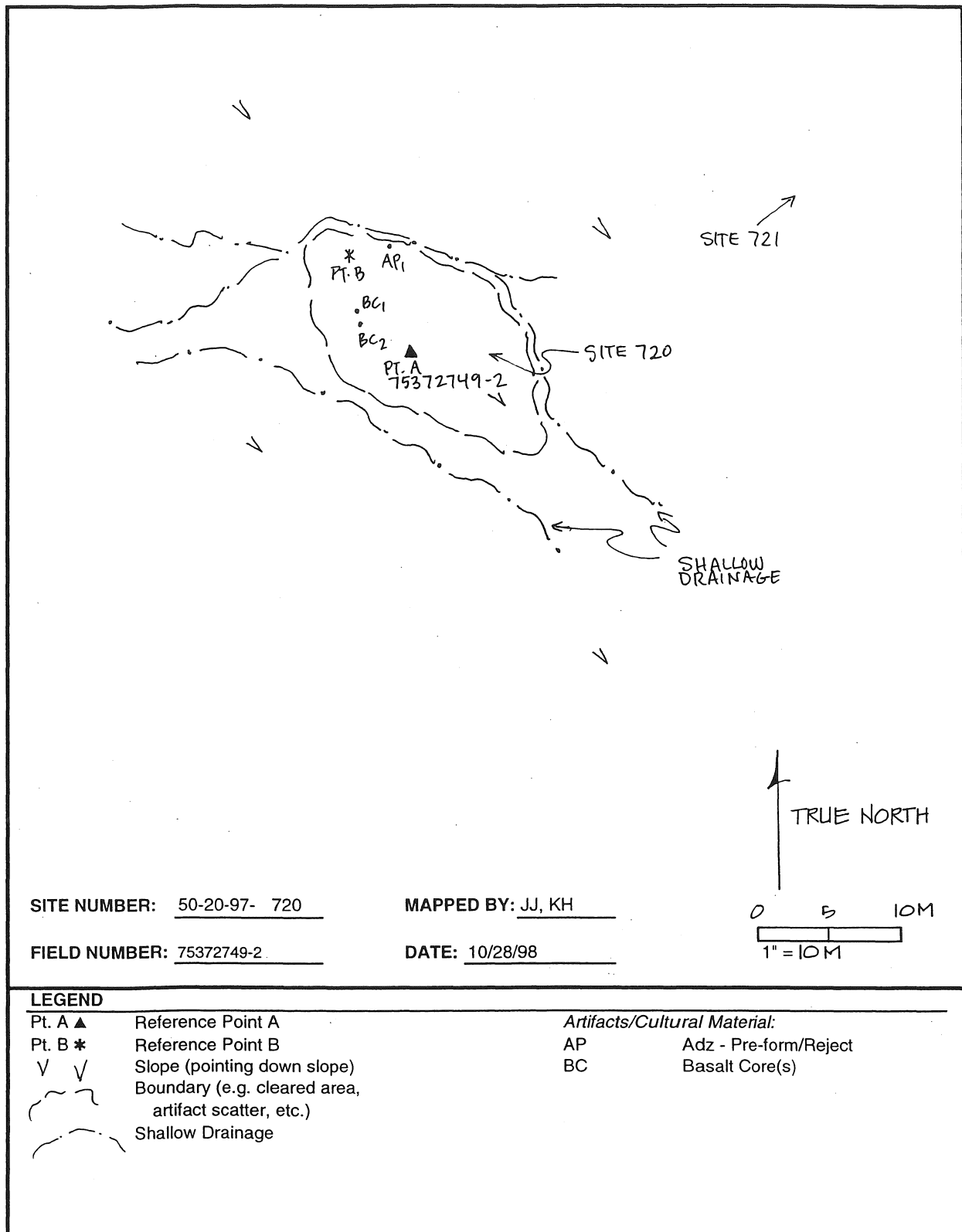
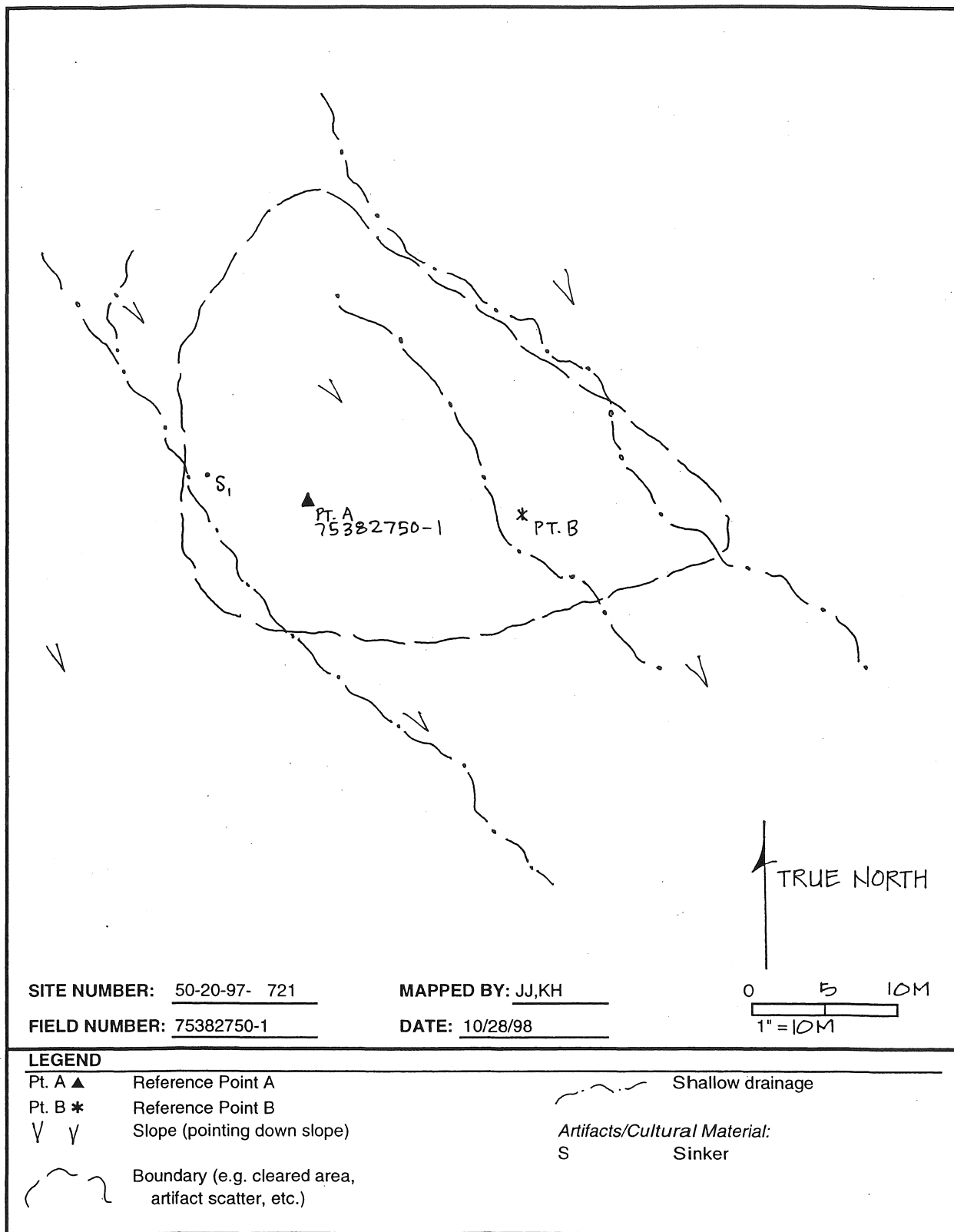


Figure B-250. Site 721, Plan Map



SITE NUMBER (SIHP): 50-20-97-722

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75362748-1

GMU: 75362748

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 22 m (L) x 18 m (W)

SITE AREA: Approx. 396 sq. m

Site Description

Site 722 consists of a medium- to high-density scatter of mostly fractured basalt, basalt debitage, at least one volcanic glass core, and a few fragments of marine shell. Marine shell consists of one specimen of *Thaididae* spp. and several small unidentifiable fragments. One basalt awl and one coral abrader were recorded at this site. The density of the scatter is high near the center of the site and decreases rapidly toward the perimeter. The site is located on the southeastern slope of Moa'ulanui, on eroded hardpan, with a few patches of grass growing shallow soils. Some artifacts can be seen eroding out of the shallow soils (Figure 3-7; Figure B-251). The site is situated at an elevation of approximately 420 m and is within Hommon's Inland Settlement Zone (1980:48).

SITE NUMBER (SIHP): 50-20-97-723

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes

FIELD NO.: 75362747-1

GMU: 75362747

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 29 m (L) x 24 m (W)

SITE AREA: Approx. 696 sq. m

Site Description

Site 723 consists of a small, low- to high-density scatter of fractured basalt, volcanic glass and basalt flakes and cores, a few fragments of branch coral, and one hammerstone that was recorded. The density of the material scatter is relatively high at the center of the site (mostly fractured basalt) and decreases rapidly toward the perimeter. The site is located approximately 50 m east of Site 149-A and approximately 20 m northeast of Site 724. It is situated on the southern slope of Moa'ulanui in a mostly denuded area, interspersed with patches of vegetated soils (Figure 3-7; Figure B-252). The site sits at an elevation of approximately 410 m and is within Hommon's Inland Settlement Zone (1980:48).

Figure B-251. Site 722, Plan Map

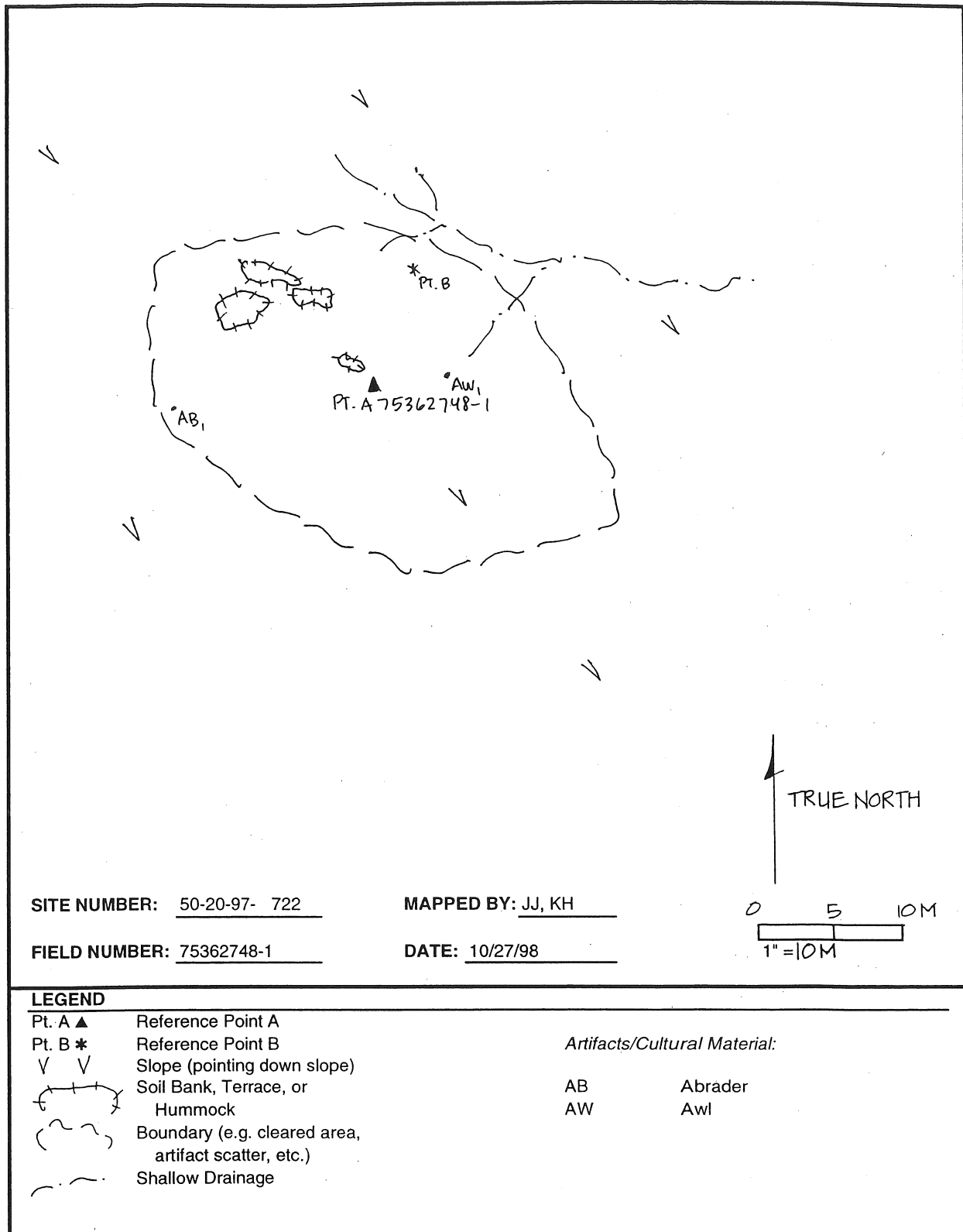
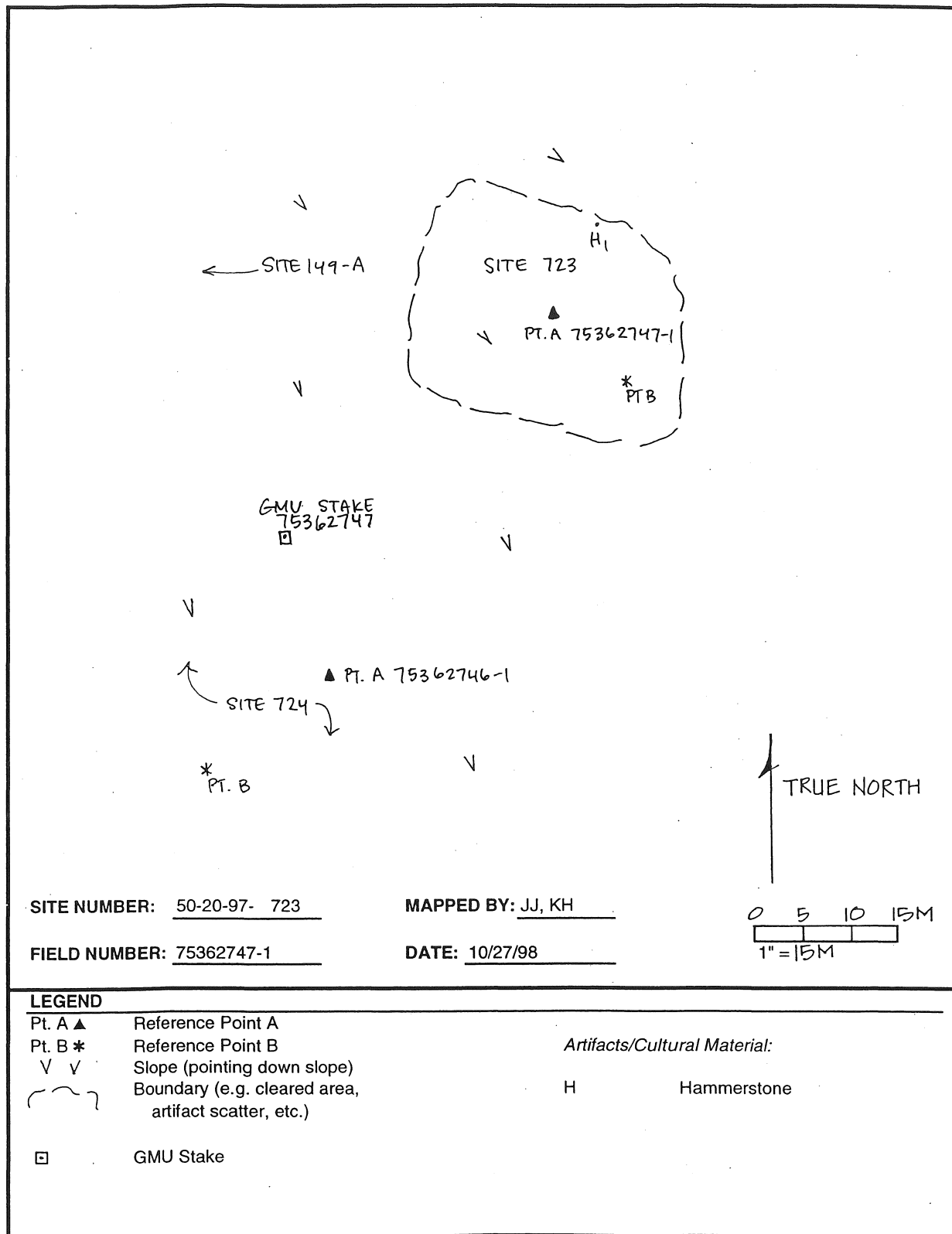


Figure B-252. Site 723, Plan Map



SITE NUMBER (SIHP): 50-20-97-724

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75362746-1

GMU: 75362746

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 25 m (L) x 24 m (W)

SITE AREA: Approx. 600 sq. m

Site Description

Site 724 consists of a low-density scatter of mostly fractured basalt, a few basalt flakes, a few marine shell fragments, and a few fragments of branch and head coral. Marine shell species include *Cellana*, *Thaididae*, and *Cypraea* spp. Additionally, one adz preform/reject was recorded. The site is located on the southern slope of Moa`ulanui at an elevation of approximately 405 m and is within Hommon's Inland Settlement Zone (1980:48). It is situated in a mostly denuded area interspersed with patches of vegetated shallow soils (Figure 3-7; Figure B-253).

SITE NUMBER (SIHP): 50-20-97-725

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Basalt Flakes

FIELD NO.: 75262758-2

GMU: 75252757

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 89 m (L) x 26 m (W)

SITE AREA: Approx. 2314 sq. m

Site Description

Site 725 consists of a scatter of cultural materials visible on hardpan that comprises almost the entire site surface area. Artifacts recorded include two hammerstones, one adz, one adz preform/reject, and one coral abrader. There is a hummock to the south and another to the southwest of the site. The site is located on the northern slope of Moa`ulanui at an elevation of approximately 410 m and is within Hommon's Inland Settlement Zone (1980:48). It is situated in a mostly denuded area, interspersed with patches of vegetated shallow soils (Figure 3-7; Figure B-254).

SITE NUMBER (SIHP): 50-20-97-726

FEATURE: None

STATUS: New

SETTING: Inland, Crater

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

FIELD NO.: 75322751-1

GMU: 75322751

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 32 m (L) x 19 m (W)

SITE AREA: Approx. 608 sq. m

Site Description

Site 726 consists of a mostly low-density scatter of fractured basalt, volcanic glass and basalt debitage, and a few fragments of marine shell. Marine shell species include *Cypraea* and *Thaididae* spp. Although the scatter density for the overall site is low, there is a high-density scatter of volcanic glass and fine-grained basalt flakes surrounding Reference Point B (Figure 3-7; Figure B-255). The site is situated within the crater of Moa`ulanui, adjacent to the north of Site 150-B. Most of the cultural material is visible in small hardpan areas surrounded by grass, *koa haole* and *kiawe* trees. Reference Point A is on top of a bare mound of soil that looks like the last remnants of a hummock. The site sits

at an elevation of approximately 430 m and is within Hommon's Inland Settlement Zone (1980:48).

Figure B-253. Site 724, Plan Map

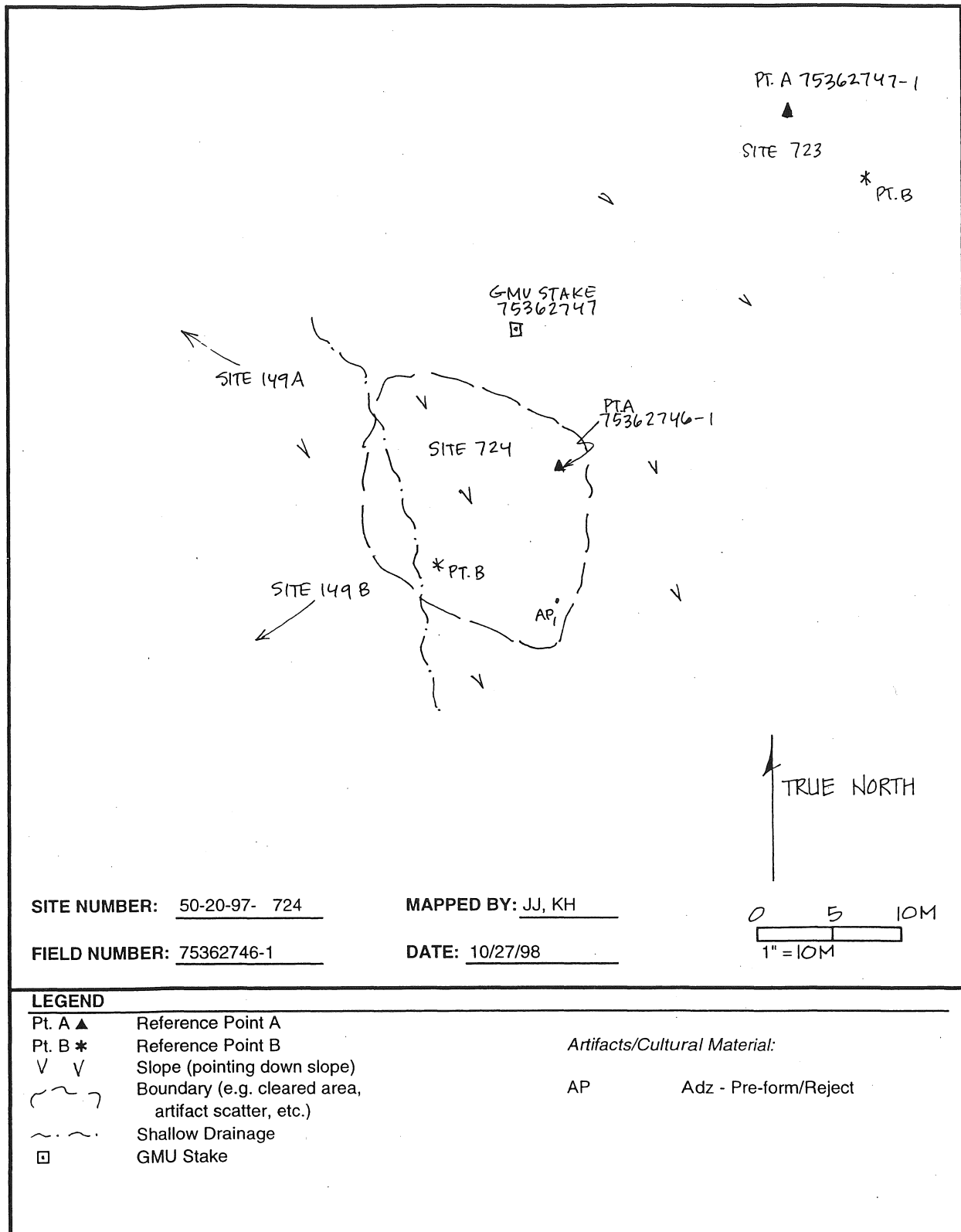


Figure B-254. Site 725, Plan Map

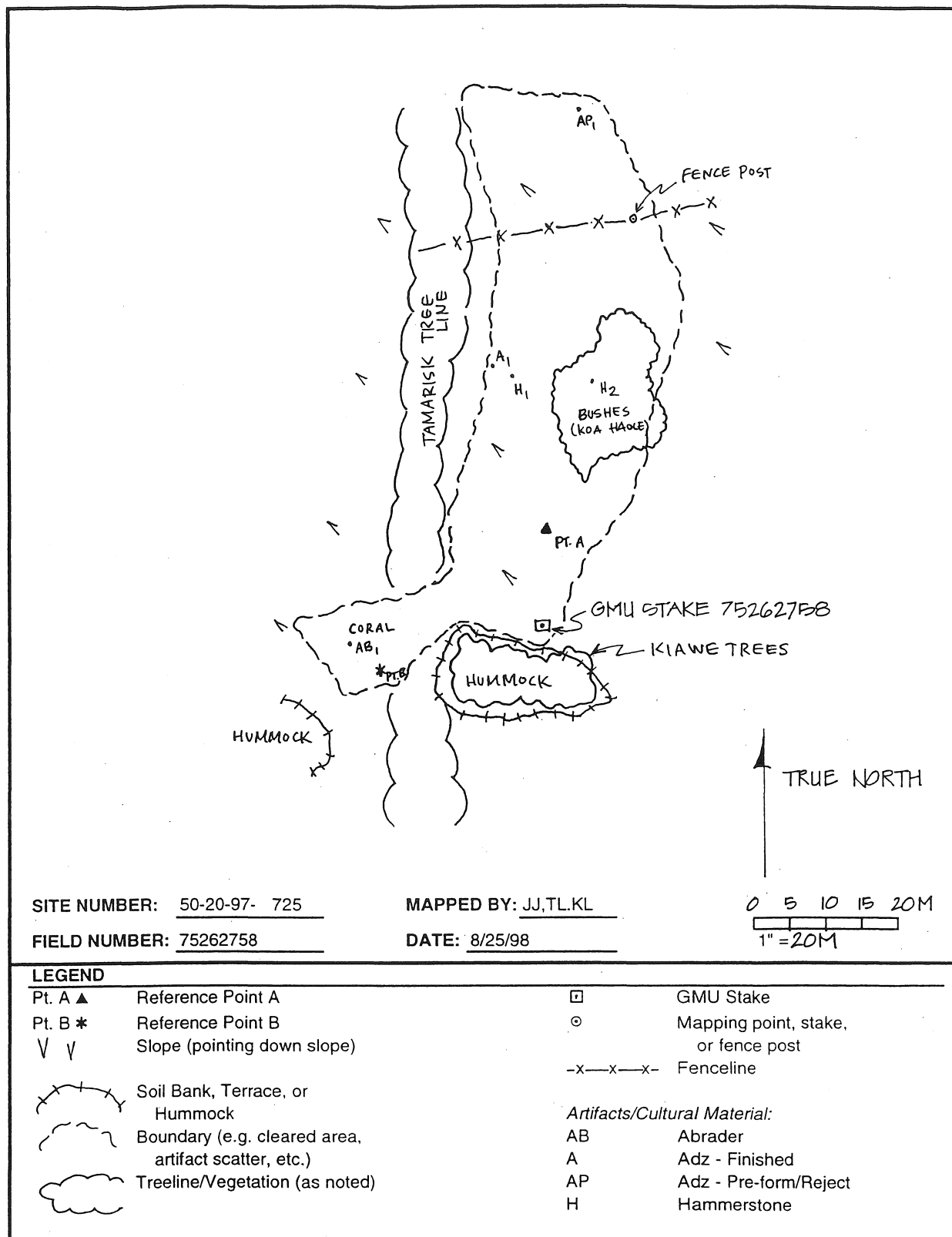
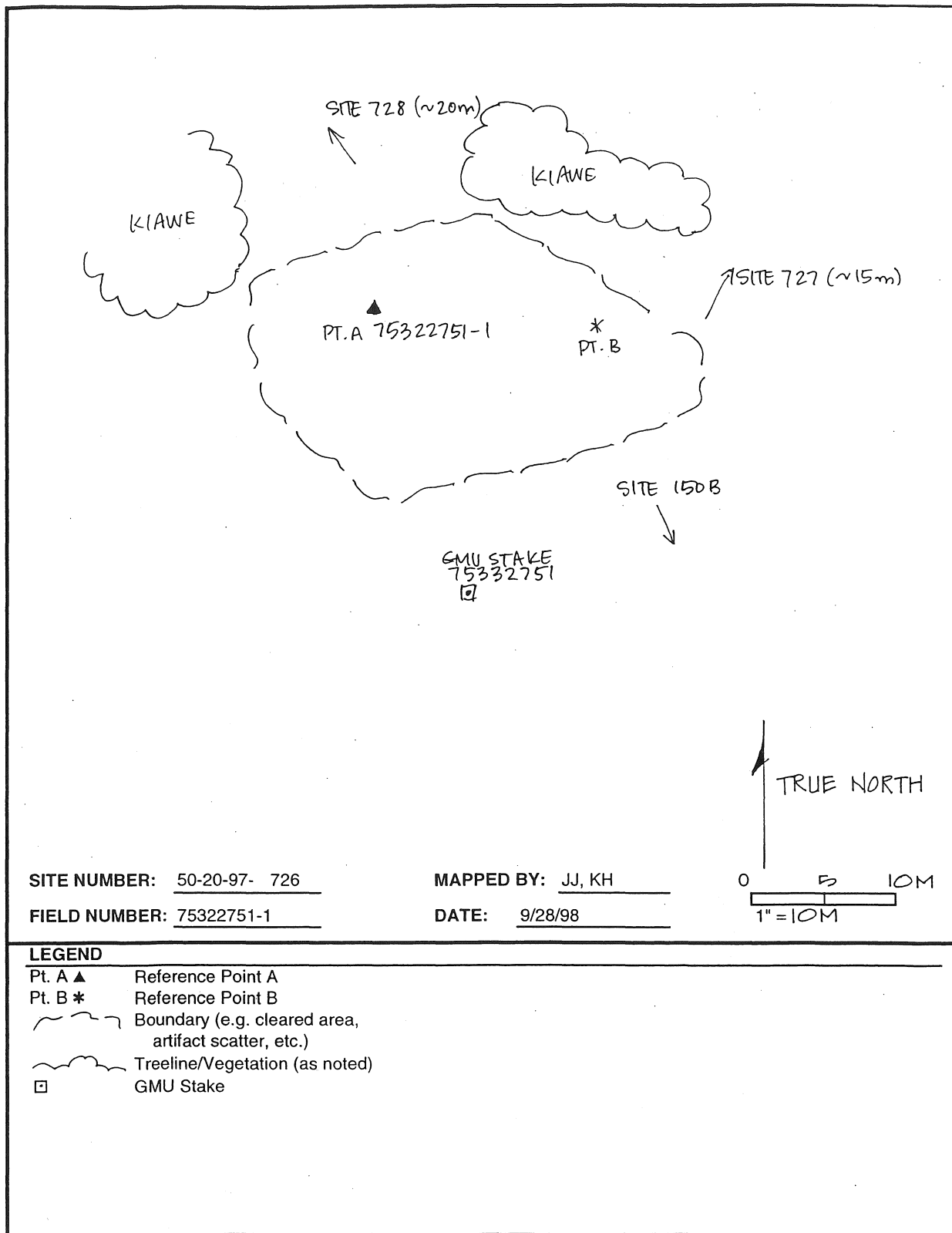


Figure B-255. Site 726, Plan Map



SITE NUMBER (SIHP): 50-20-97-727

FEATURE: None

STATUS: New

SETTING: Inland, Crater

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

FIELD NO.: 75332751-1

GMU: 75332751

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 36 m (L) x 19 m (W)

SITE AREA: Approx. 684 sq. m

Site Description

Site 727 consists of a low-density scatter of fractured basalt, volcanic glass and fire-grained basalt flakes, and a few fragments of marine shell. Species of marine shell include *Cypraea* and *Thaididae spp.* The density of cultural materials is nearly uniformly low. The site is situated on hardpan surrounded by and amidst areas of shallow soil covered with grass, *koa haole*, and lantana. A large *kiawe* tree thicket is located at the southern boundary of the site. The site is on the lower portion of the inner slope of the Moa`ulanui crater at an elevation of approximately 430 m and is within Hommon's Inland Settlement Zone (1980:48) (Figure 3-7; Figure B-256).

SITE NUMBER (SIHP): 50-20-97-728

FEATURE: None

STATUS: New

SETTING: Inland, Crater

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

FIELD NO.: 75322751-2

GMU: 75322751

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 20.5 m (L) x 10 m (W)

SITE AREA: Approx. 205 sq. m

Site Description

Site 728 consists of a mostly low-density scatter of fractured basalt, volcanic glass and fine-grained basalt flakes, a few fragments of marine shell, and a few pieces of branch coral. Marine shell is primarily *Thaididae spp.* with few specimens of *Cypraea spp.* The site is situated within the crater of Moa`ulanui, at the lower edge of the inner rim slope. There is one small hummock within the site boundaries, but most of the cultural material is visible in small hardpan areas surrounded by grass, *koa haole*, and *kiawe*. The site sits at an elevation of approximately 430 m and is within Hommon's Inland Settlement Zone (1980:48) (Figure 3-7; Figure B-257).

Figure B-256. Site 727, Plan Map

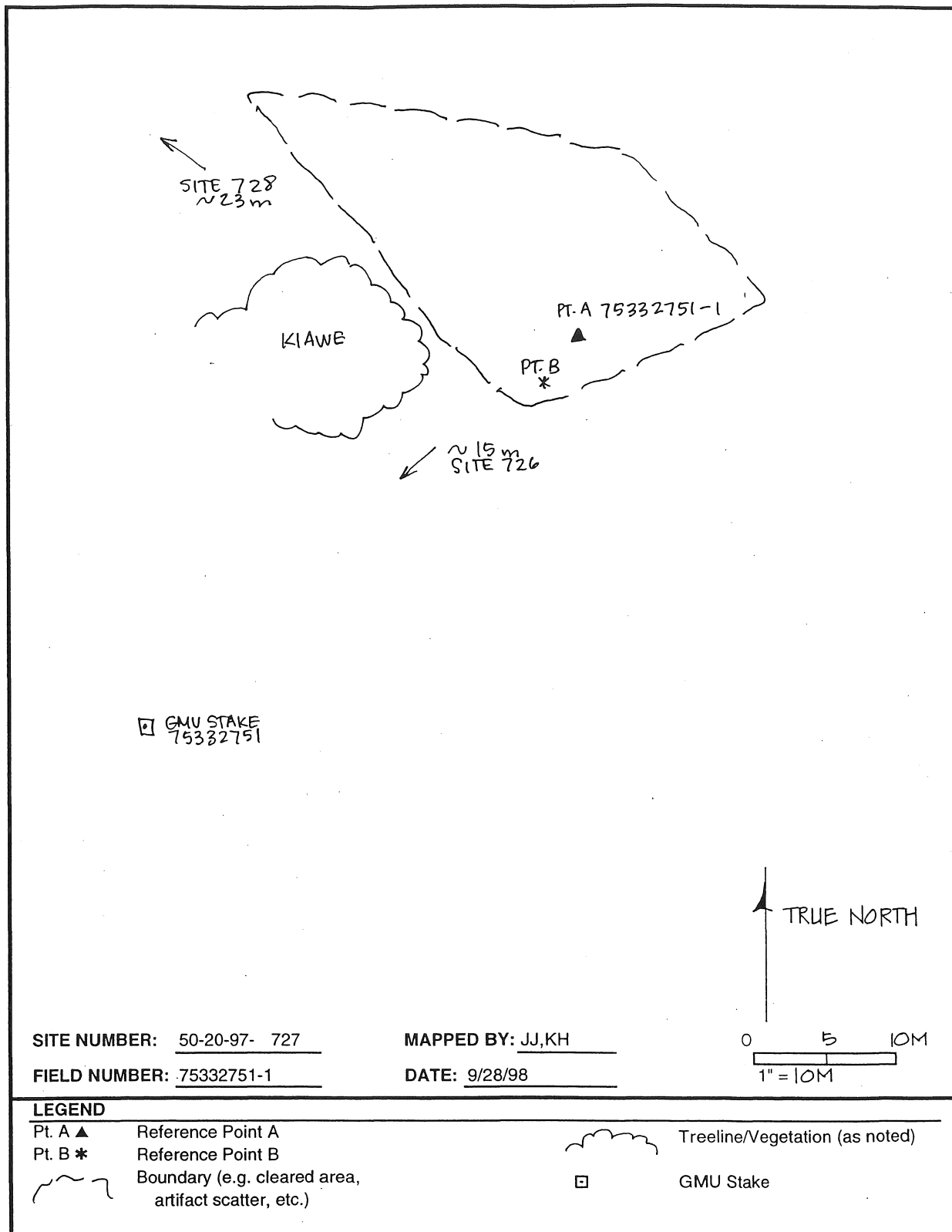
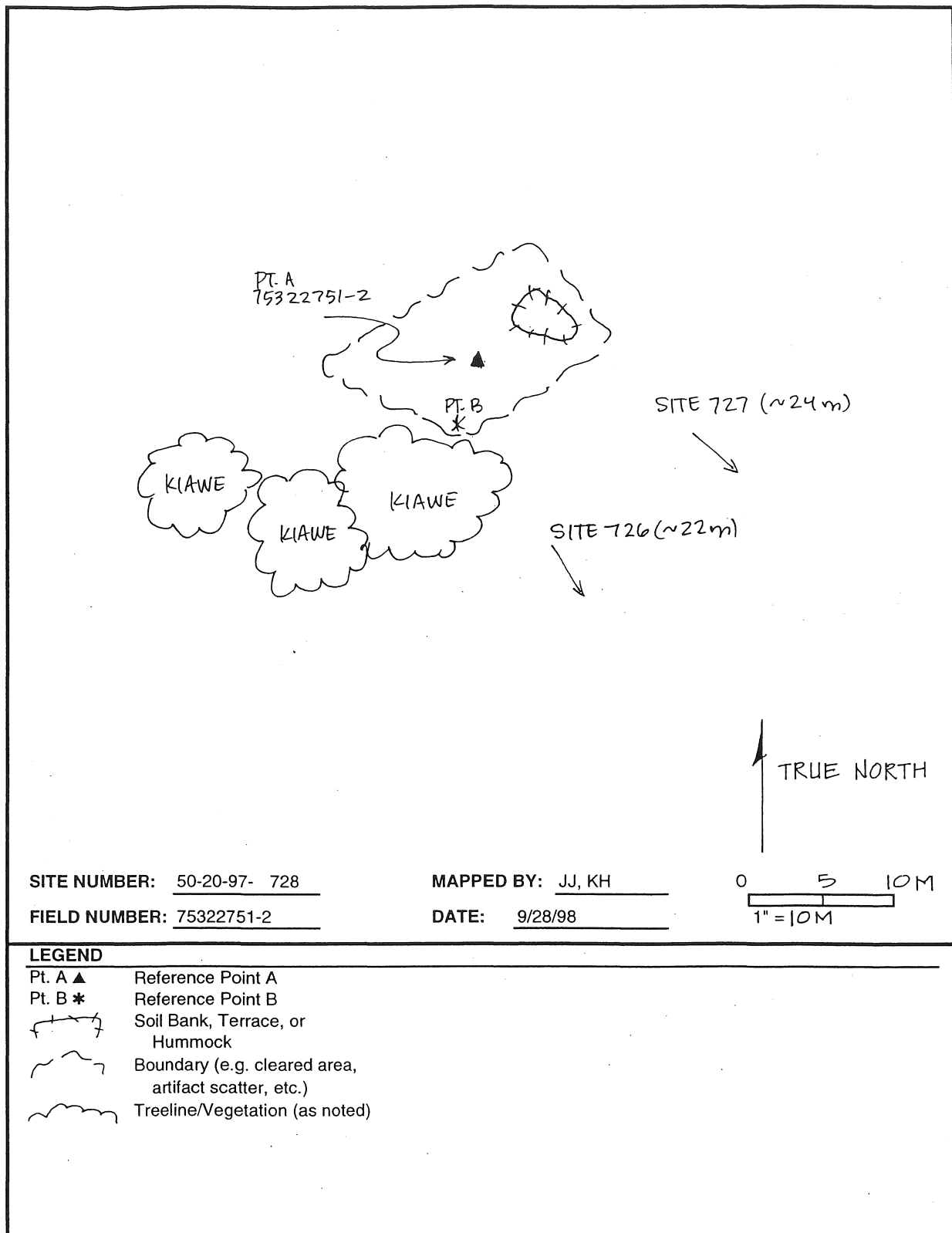


Figure B-257. Site 728, Plan Map



SITE NUMBER (SIHP): 50-20-97-729

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Finished adz, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75302748-1

GMU: 75302748

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

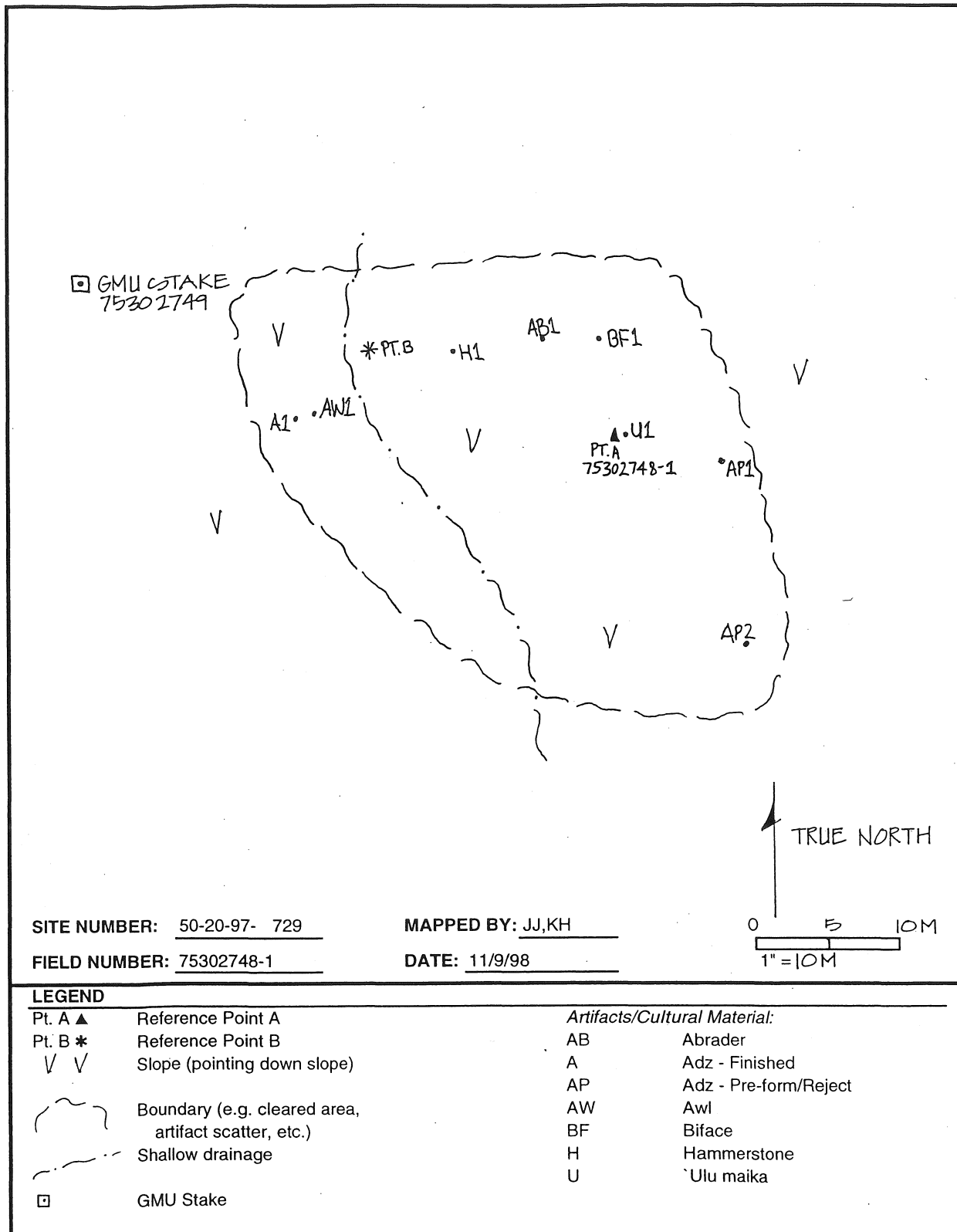
SITE DIMENSIONS: 47 m (L) x 30 m (W)

SITE AREA: Approx. 1410 sq. m

Site Description

Site 729 consists of a low- to high-density scatter of fractured basalt, volcanic glass and basalt flakes and cores, coral fragments, basalt and coral artifacts, and marine shell midden. Marine shell species include *Thaididae*, *Cypraea*, *Cellana*, and *Cassis spp.* Artifacts recorded at this feature include one adz, two adz preform/rejects, one hammerstone, one coral abrader, one basalt awl, one biface, and one `ulu maika. There are areas of the site where cultural materials are in high- and low-density concentrations, whereas the overall density is medium. Artifacts are visible on the eroded hardpan surface that is completely surrounded by grass. The site is located on the southern slope of Moa`ulanui, in a mostly denuded area interspersed with patches of vegetated shallow soils (Figure 3-7; Figure B-258). The site sits at an elevation of approximately 420 m and is within Hommon's Inland Settlement Zone (1980:48).

Figure B-258. Site 729, Plan Map



SITE NUMBER (SIHP): 50-20-97-730

FEATURE: A

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75292747-1

GMU: 75292747

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 30 m (L) x 16 m (W)

SITE AREA: Approx. 480 sq. m

Site Description

Site 730 is a complex of four activity area features located on the southwestern slope of Moa`ulanui. The site is situated in a mostly denuded area, interspersed with patches of vegetated shallow soils (Figure 3-7). The site, which covers an area of 145 by 55 m, sits at an elevation of approximately 410 m and is within Hommon's Inland Settlement Zone (1980:48). All features of Site 730 are newly discovered within the Lua Makika work area. This collection of features is assigned a single SIHP number and defined as a complex because all the features are located within close proximity. The constituent features (A through D) are discussed below.

Feature A Description

Feature A of Site 730 consists of a low- to high-density scatter of fractured basalt, manufacturing debris flakes and cores of basalt, basalt artifacts, and coral and marine shell midden. Marine shell species observed include *Thaididae*, *Cypraea*, *Cellana*, and a very large fragment of helmet (*Cassid* spp.). Artifacts recorded at this feature include one hammerstone and one basalt scraper. There are areas of the feature where cultural materials are in high- and low-density concentrations, whereas the overall density is medium. Cultural materials are visible on the highly eroded hardpan surface that covers approximately 60% to 70% of the feature surface area. The remainder of the feature is covered with grass, some of which is growing on what appears to be remnant soils or very low hummocks (Figure B-259).

SITE NUMBER (SIHP): 50-20-97-730

FEATURE: B

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Finished adz, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75292746-3

GMU: 75292746

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 40 m (L) x 18 m (W)

SITE AREA: Approx. 720 sq. m

Site Description

This feature of Site 730 consists of a low- to high-density scatter of fractured basalt, flakes and cores of basalt and volcanic glass, basalt artifacts, and coral and marine shell midden. Marine shell species observed include *Thaididae* spp., *Cypraea* spp., *Cellana* spp., and helmet (*Cassid* spp.). Artifacts recorded at this feature include three hammerstones, one biface, one basalt scraper, and one adz fragment. There are areas of the feature where cultural materials are in high- and low-density concentrations, whereas the overall density is medium. Cultural materials are visible on the eroded hardpan surface that comprises approximately 50% to 60% of the feature surface area. The rest of the feature surface is covered with grass and saltbush, some of which appears to be growing on remnant soils or low hummocks. There are also native tobacco trees here (Figure B-259).

SITE NUMBER (SIHP): 50-20-97-730

FEATURE: C

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75292746-2

GMU: 75292746

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 39 m (L) x 27 m (W)

SITE AREA: Approx. 1053 sq. m

Site Description

Feature C of Site 730 consists of a low- to high-density scatter of fractured basalt, basalt flakes and cores, basalt artifacts, a shell artifact, and coral and marine shell midden. Marine shell species observed include *Thaididae spp.*, *Cypraea spp.*, *Cellana spp.*, *Conus spp.*, and helmet (*Cassididae spp.*). Artifacts recorded at this feature include one adz preform/reject, three hammerstones, one basalt awl, and one miscellaneous artifact. There are areas of the feature where cultural materials are in high- and low-density concentrations, whereas the overall density is medium. Cultural materials are visible on the eroded hardpan surface that accounts for approximately 65% to 75% of the feature surface area. The remainder of the feature is covered with grass, saltbush, and lantana growing on shallow soils, some of which may be intact (Figure B-259).

SITE NUMBER (SIHP): 50-20-97-730

FEATURE: D

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Polished Flakes from Finished Adzes, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75292746-1

GMU: 75292746

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

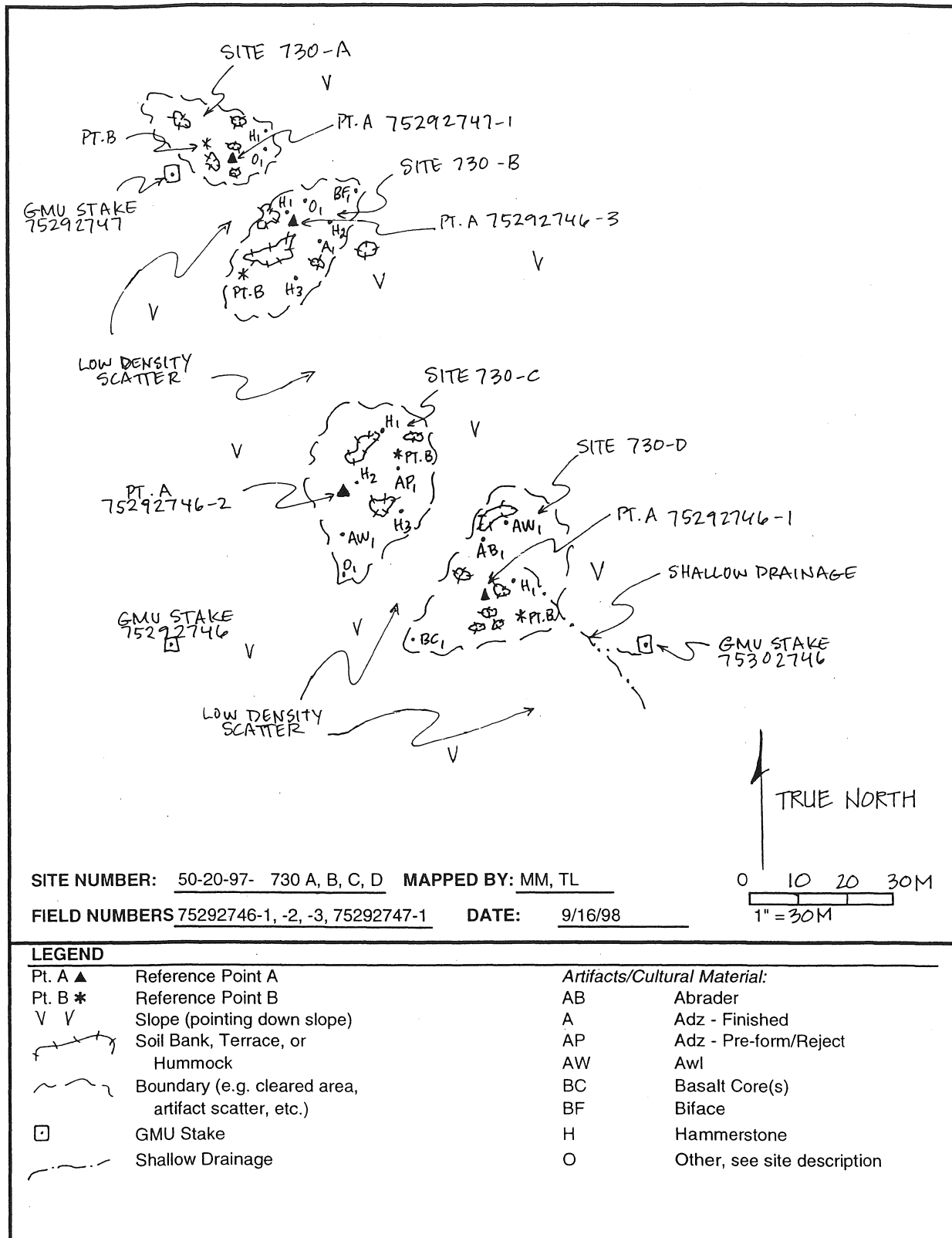
SITE DIMENSIONS: 41 m (L) x 24 m (W)

SITE AREA: Approx. 984 sq. m

Site Description

This feature of Site 730 consists of a low- to high-density scatter of fractured basalt, manufacturing debris flakes and cores of basalt and volcanic glass, basalt and coral artifacts, and coral and marine shell midden. Marine shell species observed include *Thaididae spp.*, *Cypraea spp.*, *Cellana spp.*, *Conus spp.*, and helmet (*Cassididae spp.*). Artifacts recorded at this feature include one hammerstone, one basalt core, one basalt abrader, and one basalt awl. There are areas of the feature where cultural materials are in high- and low-density concentrations, whereas the overall density is medium. Cultural materials are visible on the eroded and hardpan surface, which accounts for approximately 70% to 80% of the site surface area. The remainder of the site is covered with grass, Australian saltbush, and *koa haole* growing on shallow soils, some of which may be relic hummocks of intact soils (Figure B-259).

Figure B-259. Site 730, Features A, B, C, and D, Plan Map



SITE NUMBER (SIHP): 50-20-97-731
FEATURE: None
STATUS: New
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

Fractured Basalt, Basalt Flakes, Marine Midden

FIELD NO.: 75302747-1
GMU: 75302747
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: 11-100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 44 m (L) x 16 m (W)
SITE AREA: Approx. 704 sq. m

Site Description

Site 731 consists of a low- to medium-density scatter of mostly fractured basalt, a small quantity basalt flakes, and marine shell midden. Marine shell species observed include *Thaididae spp.* and *Cypraea spp.* There are areas of the feature where cultural materials are in medium-density concentrations, whereas the overall density is low. Cultural materials are visible on the eroded hardpan surface that accounts for 70% to 80% of the site surface area. The remainder of the site is comprised of vegetation-covered low hummocks or remnant soil patches. The site is situated in a mostly denuded area, interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7; Figure B-260). The site sits at an elevation of approximately 410 m and is within Hommon's Inland Settlement Zone (1980:48).

SITE NUMBER (SIHP): 50-20-97-732
FEATURE: None
STATUS: New
SETTING: Inland, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Habitation, Quarry, Activity Area
MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Lithic Raw Material Source, Other Artifacts, Basalt Flakes, Marine Midden, *Cypraea* Shell Lure

FIELD NO.: 75302746-1
GMU: 75302746
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: > 100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 175 m (L) x 84 m (W)
SITE AREA: Approx. 14700 sq. m

Site Description

Site 732 consists of a large low- to high-density scatter of fractured basalt, manufacturing debris flakes and cores of basalt and volcanic glass, various basalt tools, shell and coral tools, and marine shell midden. Shell species observed include *Thaididae spp.*, *Cypraea spp.*, *Cellana spp.*, and helmet (*Cassia spp.*). The site is located on the southern slope of Moa'ulanui, on mostly hardpan surface. Approximately 20% to 30% of the site surface is covered with grass and saltbush growing on shallow soils, some of which may be intact. The site is situated in a mostly denuded area, interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-7; Figure B-261). The site sits at an elevation of approximately 400 m and is within Hommon's Inland Settlement Zone (1980:48).

Artifacts recorded at this feature include three adz preform/rejects, seven hammerstones, five basalt cores, one coral abrader and one scoria abrader, five basalt awls, one biface, one cowry shell lure, one 'ulu maika, one basalt scraper, and three miscellaneous artifacts. One thick piece of helmet (*Cassia spp.*) shell appears to have been worked, possibly to be used as some sort of unidentified tool. Two basalt boulders have been flaked, one extensively, suggesting lithic raw material was procured at the site. The presence of the abraders and the quantity of awls and engraving tools suggest more extensive craft activities were performed at this site than at many others in the Lua Makika work area. Abundant hammerstones and relatively abundant volcanic glass flakes and cores suggest relatively extensive lithic tool manufacture and maintenance were performed at the site. The wide variety of activities indicated by the portable remains (lithic tool manufacture and maintenance, woodworking, fishing gear manufacture or curation, and leisure activities) suggest extensive occupation of the site, possibly for habitation for an indeterminate length of time.

Figure B-260. Site 731, Plan Map

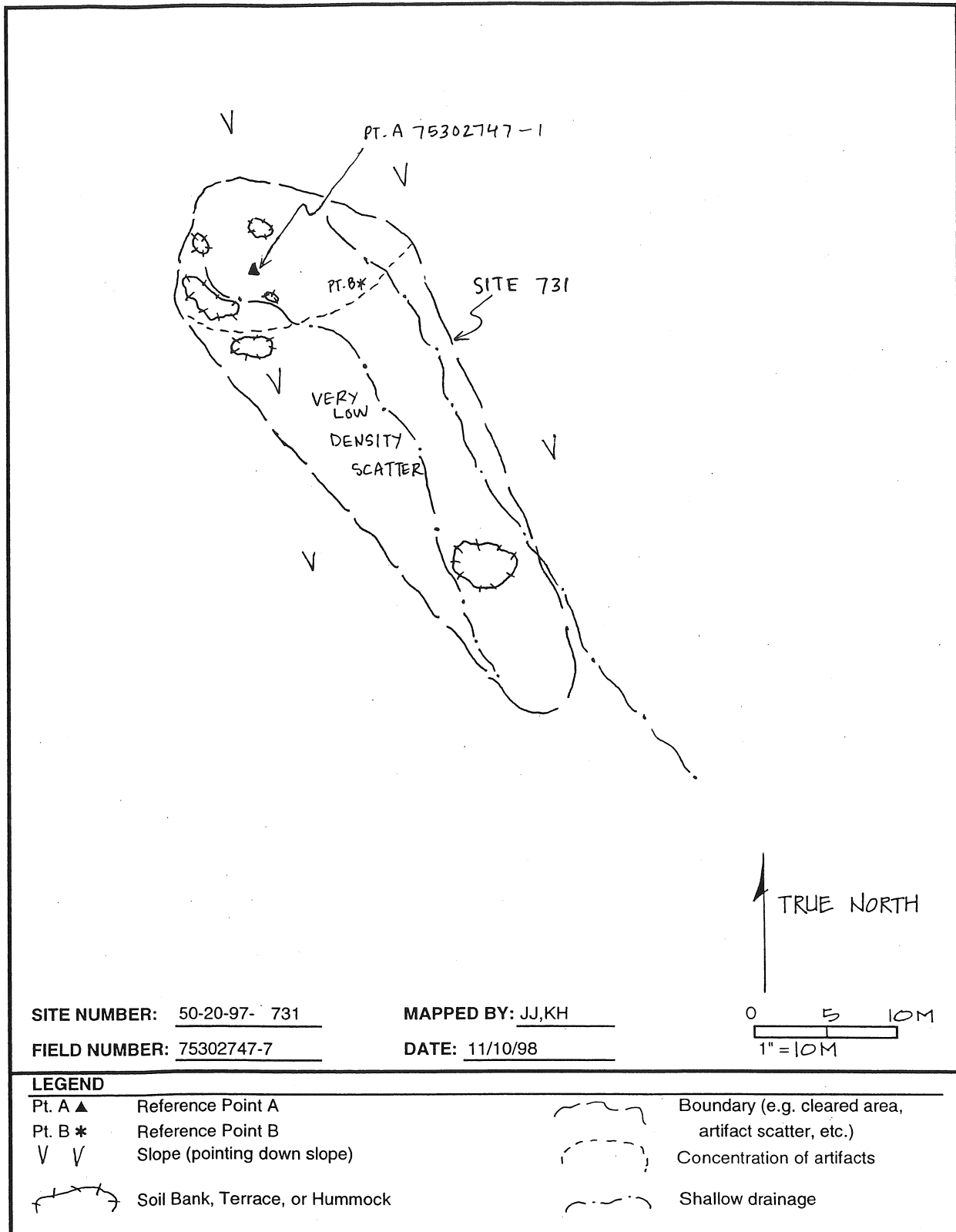
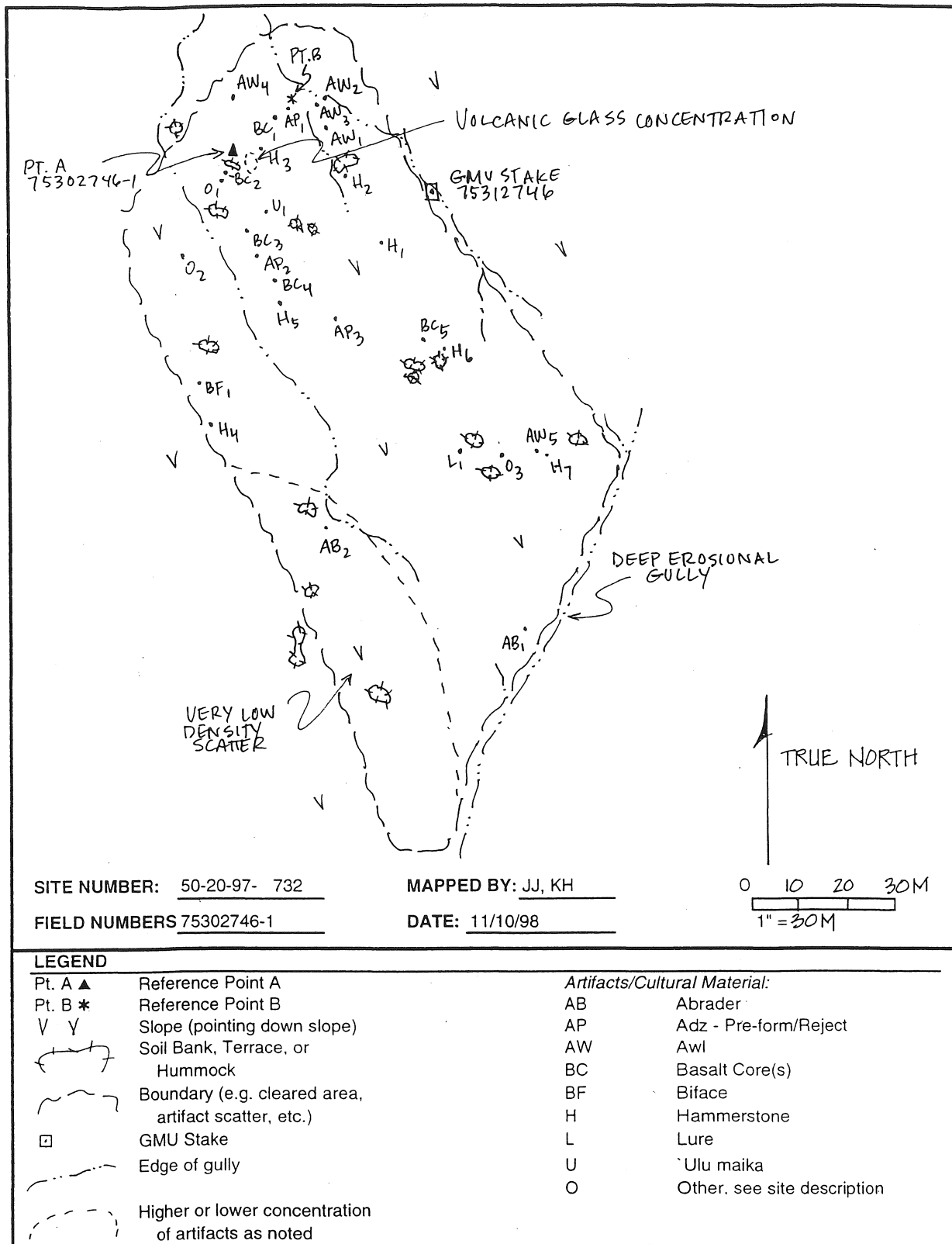


Figure B-261. Site 732, Plan Map



SITE NUMBER (SIHP): 50-20-97-733

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Sinkers, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75392754-1

GMU: 75392754

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 38 m (L) x 23 m (W)

SITE AREA: Approx. 874 sq. m

Site Description

Site 733 consists of a low-density scatter of fractured basalt, volcanic glass and basalt flakes and cores, and marine shell midden (*Thaididae spp.*). In addition, one basalt awl was recorded. The site is located on the eastern slope of Moa`ulanui, in an area that is almost totally eroded and without vegetation (Figure 3-7). The site sits at an elevation of approximately 424 m and is within Hommon's Inland Settlement Zone (1980:48). There is one fragment of head coral that looks like it was worked into the shape of an abrader, but the surface is too weathered to be certain. There is a concentration of pumice gravel and cobbles that is the only one observed in the Lua Makika work area. There is a small hummock just north of the site. Two isolated artifacts were found in the vicinity of the hummock; IF-B, a sinker, is actually at the north boundary of the site (Figure B-262).

SITE NUMBER (SIHP): 50-20-97-734

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75392756-1

GMU: 75392756

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 60 m (L) x 21 m (W)

SITE AREA: Approx. 1260 sq. m

Site Description

Site 734 consists of a low-density scatter of fractured basalt, basalt flakes and cores, and marine shell midden (*Thaididae spp.*). In addition, one adz preform/reject and one hammerstone were recorded. The site is located on the northeastern slope of Moa`ulanui, in a mostly denuded area that is interspersed with scattered patches of shallow soils vegetated with grass and *kiawe* (Figure 3-7; Figure B-263). The site sits at an elevation of approximately 435 m and is within Hommon's Inland Settlement Zone (1980:48).

Figure B-262. Site 733, Plan Map

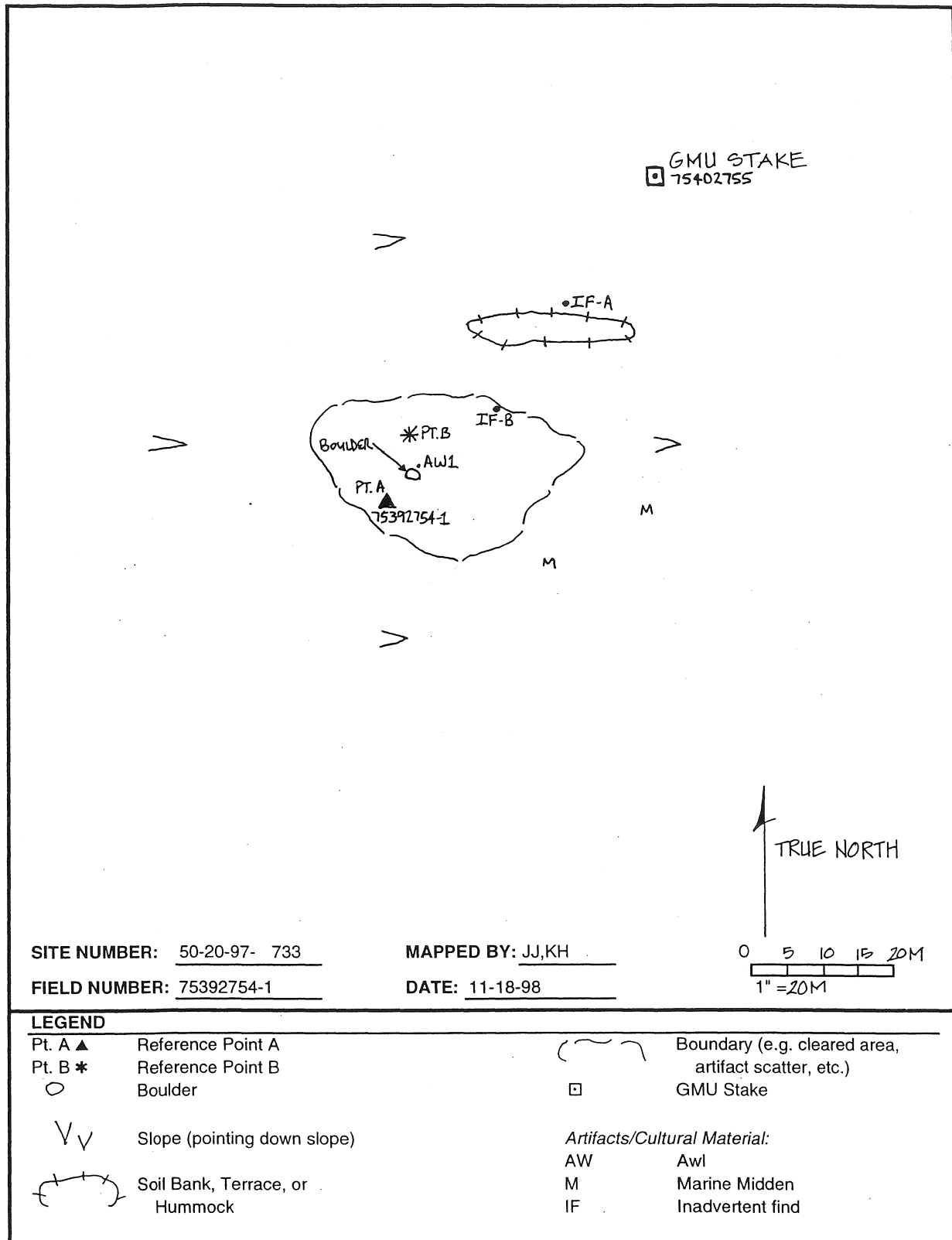
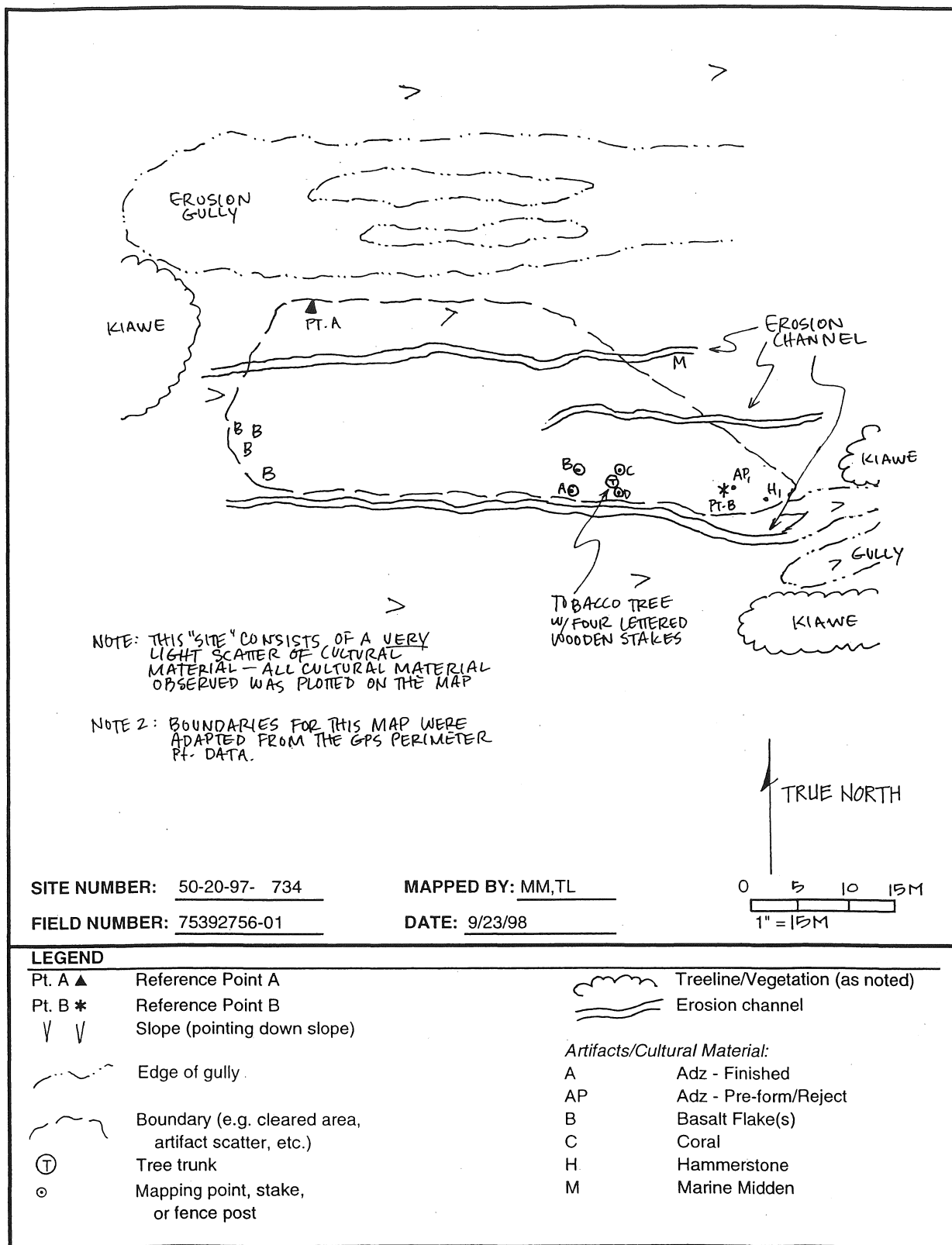


Figure B-263. Site 734, Plan Map



SITE NUMBER (SIHP): 50-20-97-735

FEATURE: None

STATUS: New

SETTING: Inland, Crater

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Flakes

FIELD NO.: 75322752-1

GMU: 75322752

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 8.5 m (L) x 3.4 m (W)

SITE AREA: Approx. 28.9 sq. m

Site Description

Site 735 consists of a small, mostly low-density scatter of volcanic glass flakes, with one basalt flake (possibly utilized) and a few fragments of fractured basalt. The volcanic glass flakes are concentrated in the western portion of the site around the map Reference Point A marker (Figure 3-7; Figure B-264). Cultural materials are visible in a small area that is devoid of vegetation south of and adjacent to a grass- and *koa haole*-covered hummock or area of soil accumulation. The site is situated inside the Moa`ulanui crater, in the southwest portion at an elevation of approximately 430 m.

SITE NUMBER (SIHP): 50-20-97-736

FEATURE: None

STATUS: New

SETTING: Inland, Crater

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Flakes, Marine Midden

FIELD NO.: 75342751-1

GMU: 75342751

WORK AREA: Lua Makika

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 19 m (L) x 7 m (W)

SITE AREA: Approx. 133 sq. m

Site Description

Site 736 consists of a small, low-density scatter of basalt and volcanic glass flakes, fractured basalt, and one fragment of *Cypraea spp.* shell. Cultural materials are visible on non-vegetated lateritic soil and hardpan areas that are surrounded by dense vegetation consisting of grass, lantana, *koa haole*, and *kiawe*. There are other patches of non-vegetated hardpan, also surrounding the site, that have very low-density scatters of similar cultural materials, also including coral fragments. The site is situated inside the Moa`ulanui crater, in the south-central portion at an elevation of approximately 430 m (Figure 3-7; Figure B-265).

SITE NUMBER (SIHP): 50-20-97-737

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75242752-2

GMU: 75242752

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 20 m (L) x 10 m (W)

SITE AREA: Approx. 200 sq. m

Site Description

Site 737 consists of a small scatter of cultural materials, primarily volcanic glass, fractured basalt, basalt flakes, and one fragment of *Cypraea spp.* shell. In addition, one basalt core was recorded. The site sits at an elevation of approximately 420 m and is within Hommon's Inland Settlement Zone (1980:48). Cultural materials are visible on the eroded, non-vegetated ground surface, while about 50% of the site is covered with vegetation growing on shallow soils (Figure 3-7; Figure B-266). This site is immediately adjacent to Site 103-A, separated only by a planted line of tamarisk trees. It is likely that this site was part of Site 103 prior to the tree-planting ground disturbances.

Figure B-264. Site 735, Plan Map.

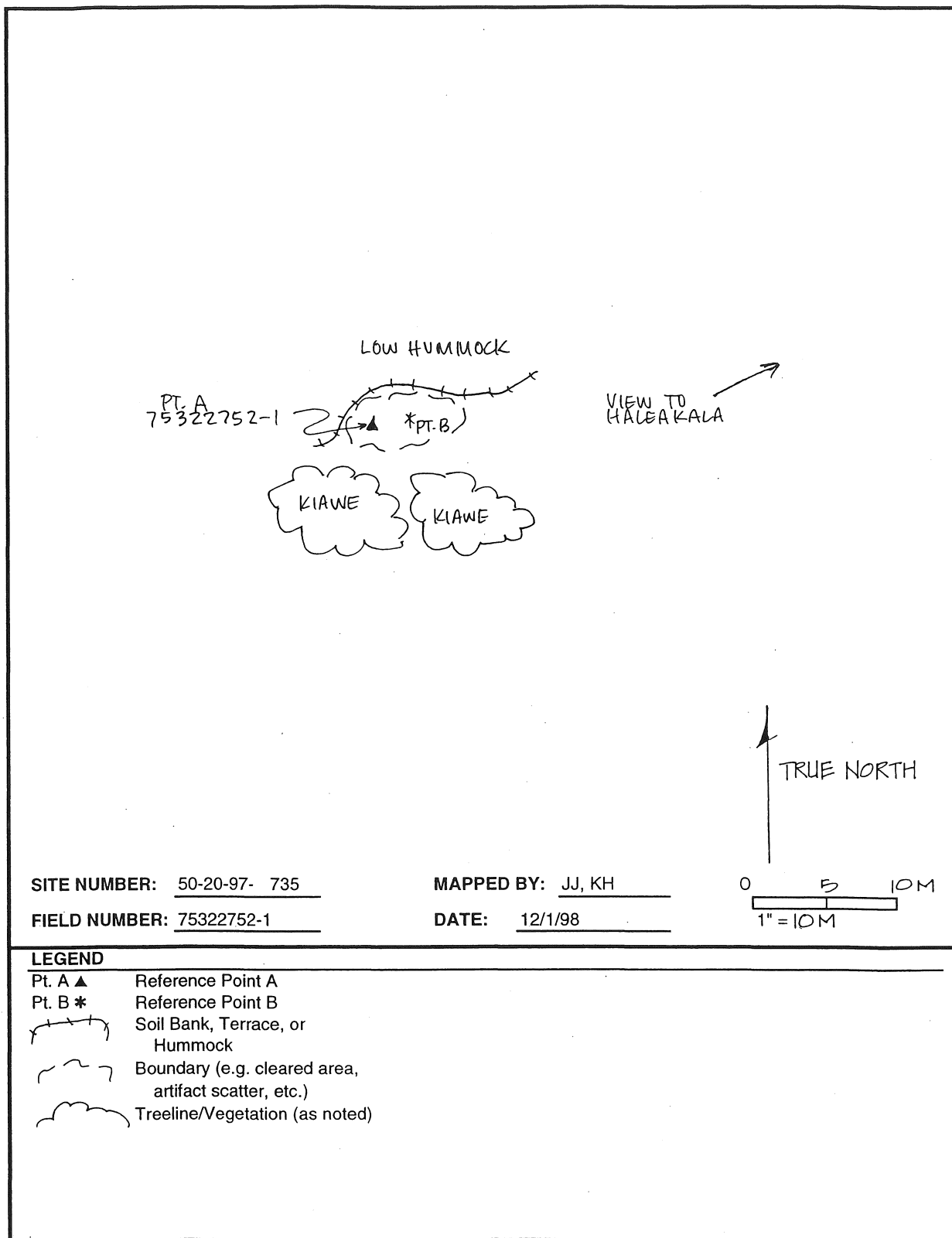


Figure B-265. Site 736, Plan Map

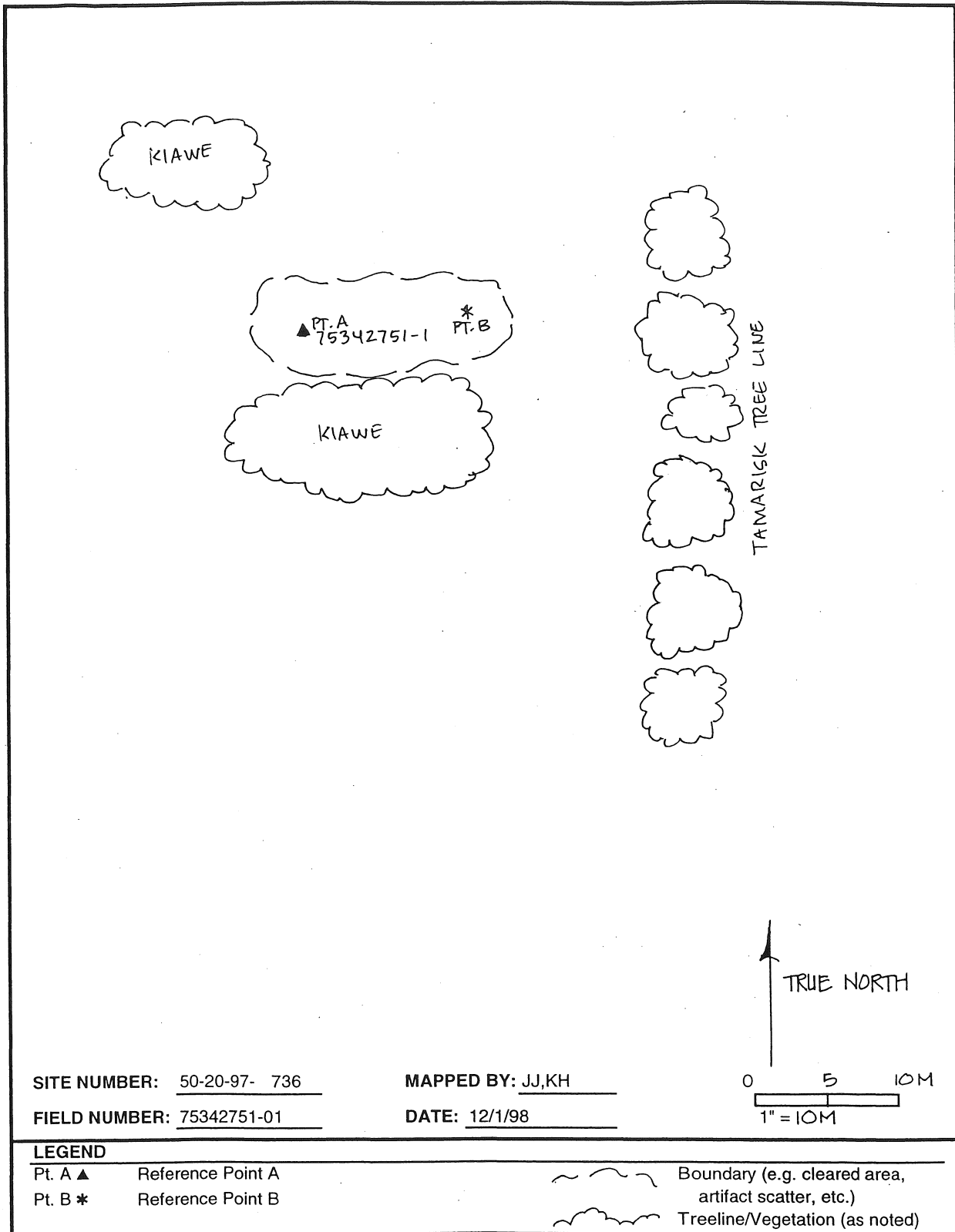
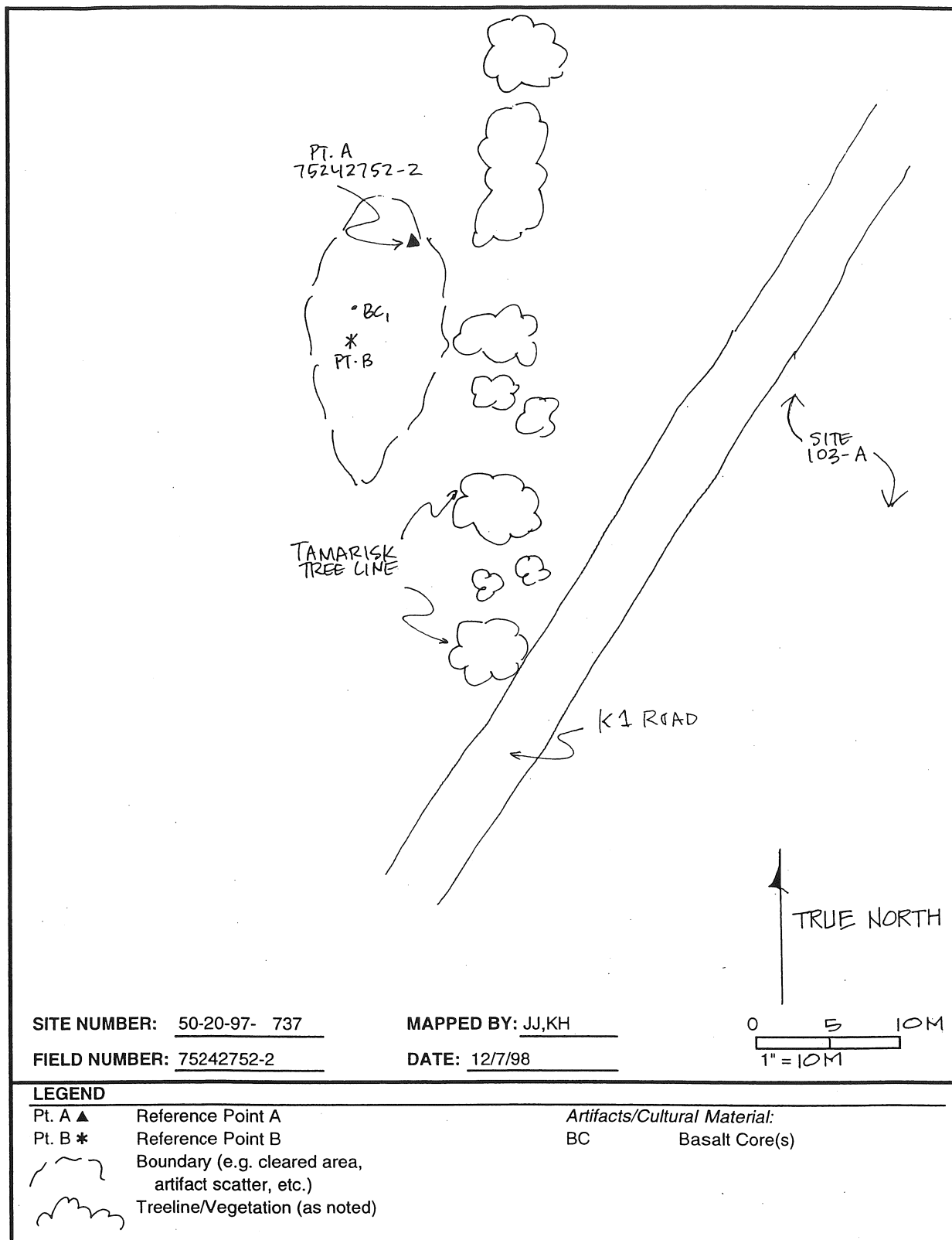


Figure B-266. Site 737, Plan Map



SITE NUMBER (SIHP): 50-20-97-740

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Adz Preforms/Rejects, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75242753-3

GMU: 75242753

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 28 m (L) x 20 m (W)

SITE AREA: Approx. 560 sq. m

Site Description

This site consists of a medium- to low-density scatter of fractured basalt, fine-grained basalt flakes and cores, one fragment of *Cypraea spp.* shell, and a piece of coral. Artifacts recorded at this feature include one adz preform/reject, two basalt cores, and one basalt awl. The site is located north of the helicopter landing pad (LZ-1). It is situated in a mostly denuded area adjacent to a *kiawe* tree (Figure 10; Figure B-267). The site sits at an elevation of approximately 425 m and is within Hommon's Inland Settlement Zone (1980:48).

SITE NUMBER (SIHP): 50-20-97-741

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Habitation, Activity Area

MATERIAL CHARACTERISTICS:

Abrader, Fractured Basalt, Finished adz, Adz Preforms/Rejects, Volcanic Glass, Basalt Artifacts, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75252754-2

GMU: 75252754

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 192 m (L) x 116 m (W)

SITE AREA: Approx. 22272 sq. m

Site Description

Site 741 consists of a large medium- to high-density scatter of fractured basalt, volcanic glass and basalt flakes and cores, basalt tools, coral abraders, waterworn cobbles, antler coral fragments, and marine midden. Marine shell species observed include *Cypraea*, *Cellana*, *Thaididae*, and *Conus spp.* Artifacts recorded at this feature include one adz, two adz preform/rejects, three hammerstones, six basalt cores, two coral abraders, one basalt abrader, three basalt awls, two bifaces, two volcanic glass cores, and one basalt scraper. The density of the concentration of cultural materials varies from low to high, though in most of the site area the concentration is medium density. There are several areas where the density of concentrated materials is quite high, including two that have large quantities of volcanic glass flakes and cores. Some of the cores are large for this part of the island (up to 4 cm in diameter). One of these concentrations also has quite a lot of antler coral fragments (Figure 3-5c; Figure B-268). The variety of tool types is quite extensive, which generally implies that a wide range of activities was performed at this site. This wide range of activities, combined with the generally high-density of the material remains, suggests that this site functioned as some sort of habitation of an indefinite duration.

This site is located on the northwest slope of Moa'ulanui, just north of the helicopter landing pad (LZ-1), in a mostly denuded area, interspersed with scattered patches of vegetated soils (Figure 3-7). The site sits at an elevation of approximately 430 m and is within Hommon's Inland Settlement Zone (1980:48). Cultural materials are visible on the hardpan surface, which comprises approximately 90% of the site area; the remainder consists of small patches of grass, lantana, and *koa haole* growing on

shallow soils. There is a tamarisk tree-line windbreak through the middle of the site.

Figure B-267. Site 740, Plan Map

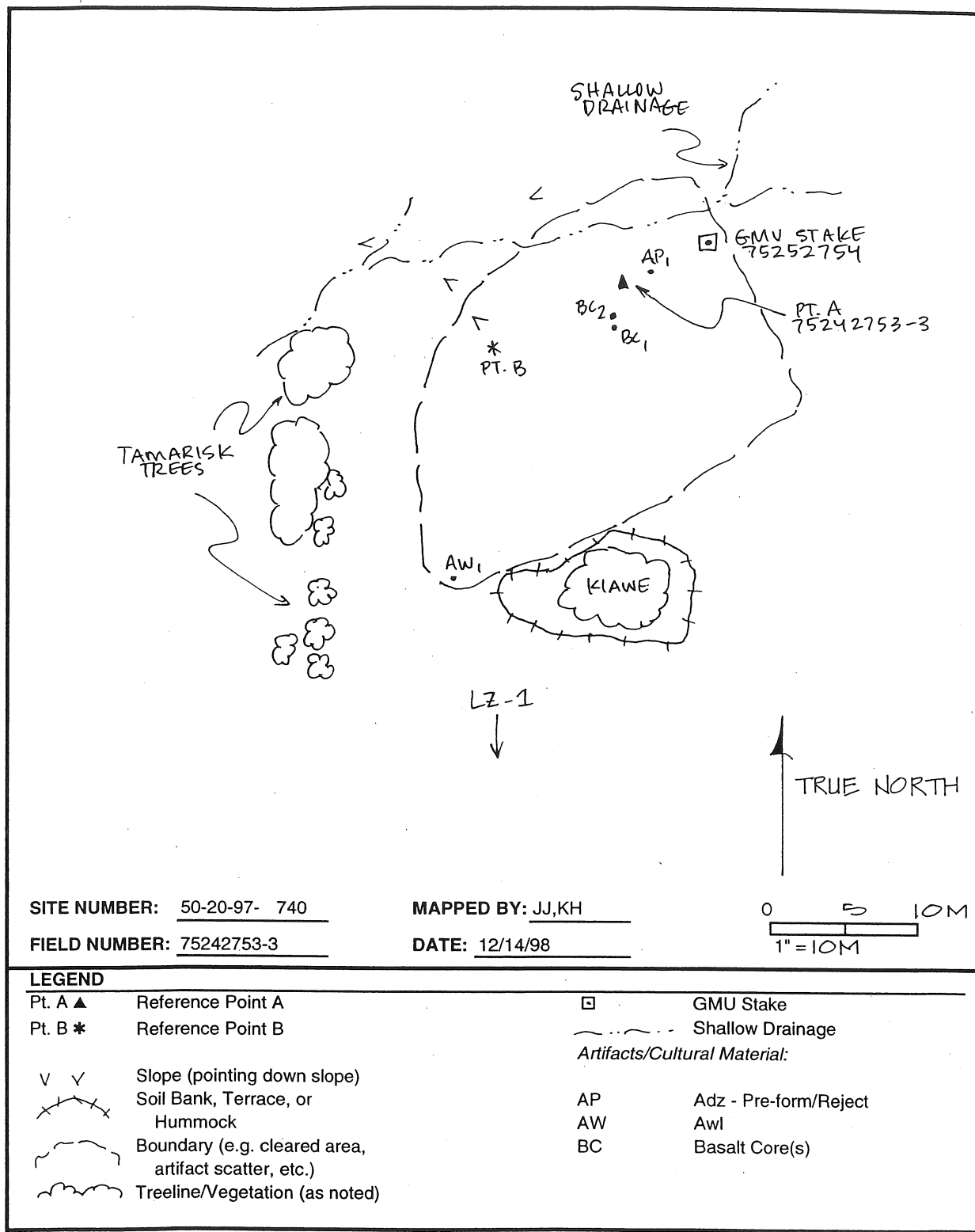
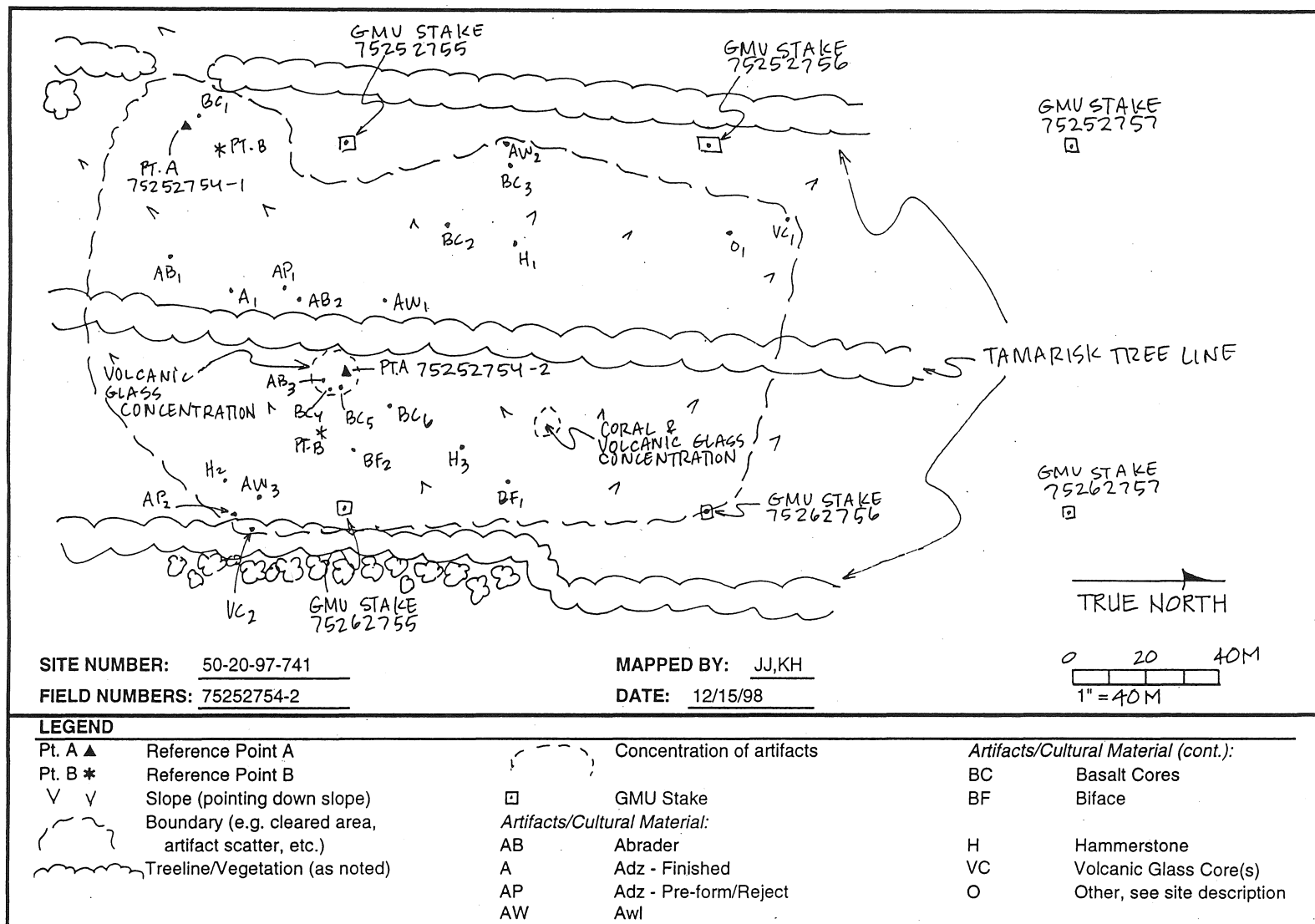


Figure B-268. Site 741, Plan Map



SITE NUMBER (SIHP): 50-20-97-744

FEATURE None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75242750-1

GMU: 75242750

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 31 m (L) x 22 m (W)

SITE AREA: Approx. 682 sq. m

Site Description

Site 744 consists of a low- to very low-density scatter of fractured basalt, volcanic glass and basalt flakes, a few coral fragments, and a few marine shell fragments (*Thaididae* and *Cypraea spp.*). The site is located on the western slope of Moa'ulanui, at an elevation of approximately 420 m (Figure 3-7; Figure B-269). The ground surface is highly eroded hardpan, with about 50% covered by grass growing on shallow soils.

SITE NUMBER (SIHP): 50-20-97-745

FEATURE None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes

FIELD NO.: 75232749-1

GMU: 75232749

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: > 100 Items

CULTURAL MATERIAL DENSITY: Medium

SITE DIMENSIONS: 22 m (L) x 18 m (W)

SITE AREA: Approx. 396 sq. m

Site Description

Site 745 consists of a low- to high-density scatter of fractured basalt, basalt flakes, volcanic glass, window glass flakes, coral fragments, and a few fragments of *Thaididae spp.* shells. The flaked window glass is mixed in with a high-density concentration of volcanic glass flakes in the western half of the site. There are other areas of the site where cultural materials are in low-density concentrations, whereas the overall density is medium. The site is located on the western slope of Moa'ulanui at an elevation of approximately 410 m (Figure 3-7; Figure B-270). The ground surface is primarily highly eroded hardpan, though about 30% of the site surface area is covered with grass growing on shallow deposits of soil.

Figure B-269. Site 744, Plan Map

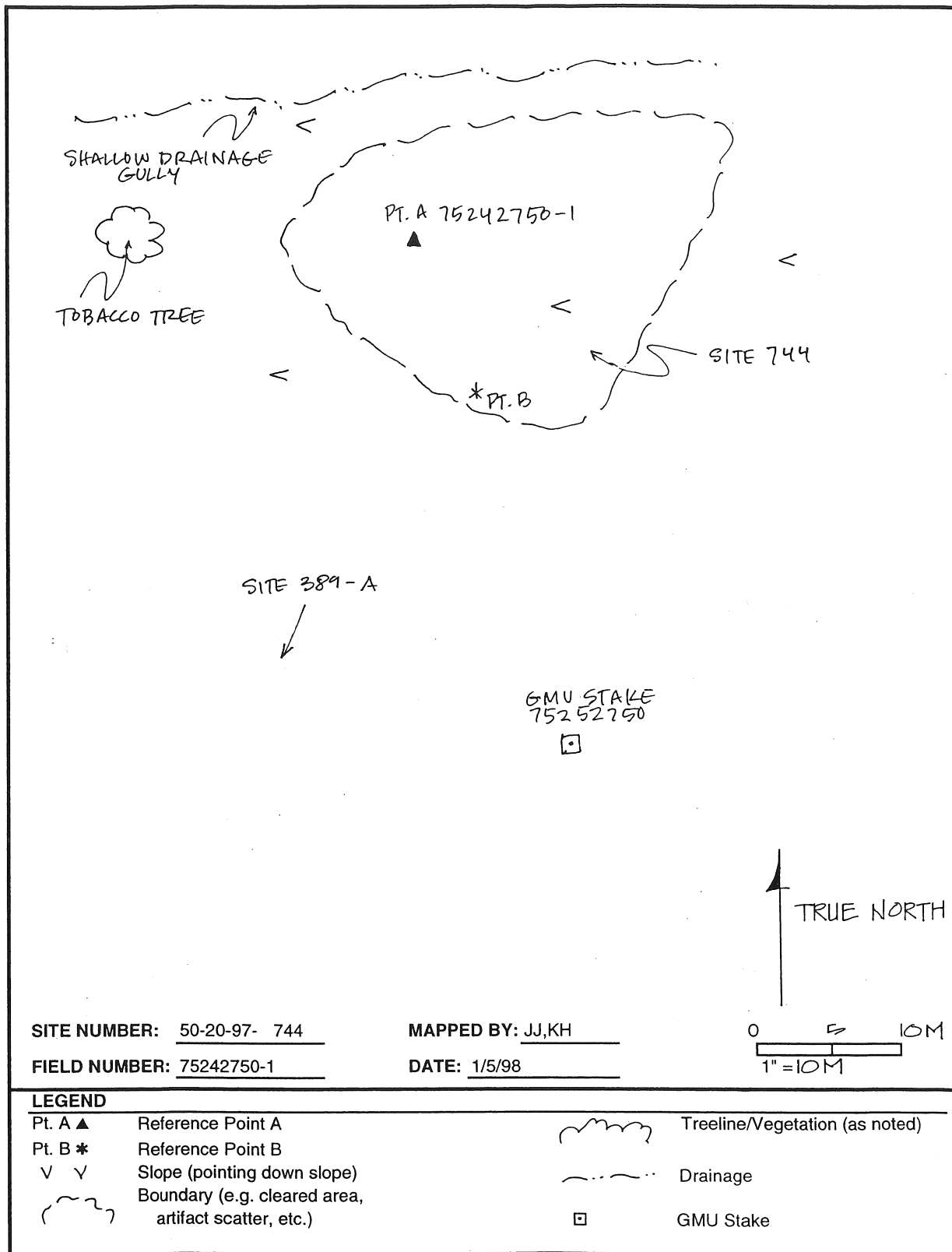
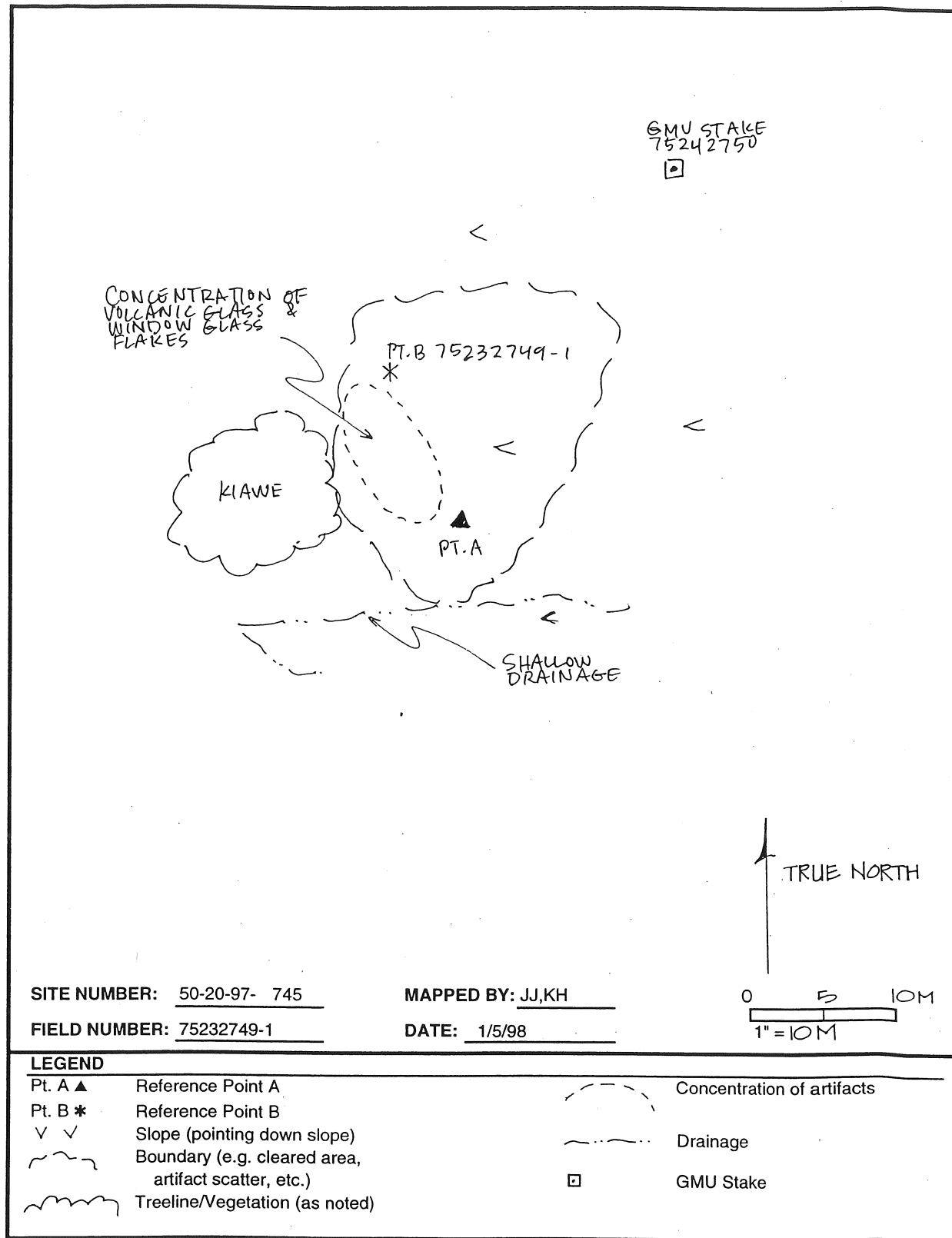


Figure B-270. Site 745, Plan Map



SITE NUMBER (SIHP): 50-20-97-746

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Other Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75222749-4

GMU: 75222749

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 58 m(l) x 20 m(w)

SITE AREA: Approx. 1160 sq. m

Site Description

Site 746 consists of a medium- to low-density scatter of fractured basalt, manufacturing debris flakes and cores of basalt and volcanic glass, one piece of branch coral, and marine midden. Marine species observed include *Cypraea spp.* Cultural materials are visible on the eroded hardpan surface, which accounts for approximately 80% of the site surface area. The rest of the surface consists of shallow soil patches or low hummocks that are covered with grass and lantana. This site is located on the western flank of Moa'ulanui, at an elevation of approximately 405 m (Figure 3-7; Figure B-271).

SITE NUMBER (SIHP): 50-20-97-747

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes, Marine Midden

FIELD NO.: 75172741-2

GMU: 75172741

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: < 10 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 35 m (L) x 10 m (W)

SITE AREA: Approx. 350 sq. m

Site Description

Site 747 consists of a low-density scatter of mostly fractured basalt, volcanic glass and basalt flakes and cores, and a few small marine shell fragments. One basalt core was recorded at this site. The site is situated in a mostly denuded area, interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 10; Figure B-272). The site sits at an elevation of approximately 355 m and is within Hommon's Inland Settlement Zone (1980:48).

Figure B-271. Site 746, Plan Map

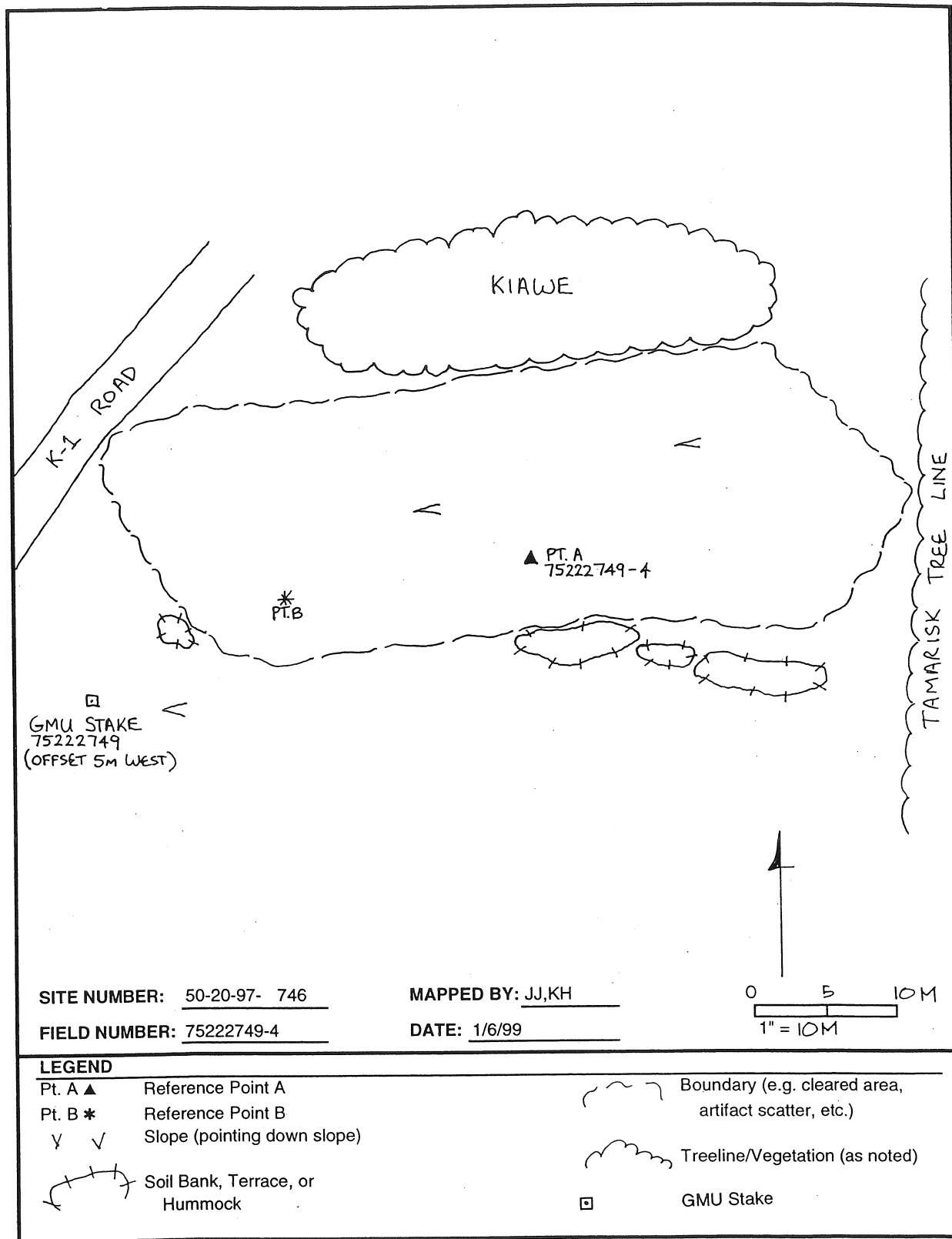
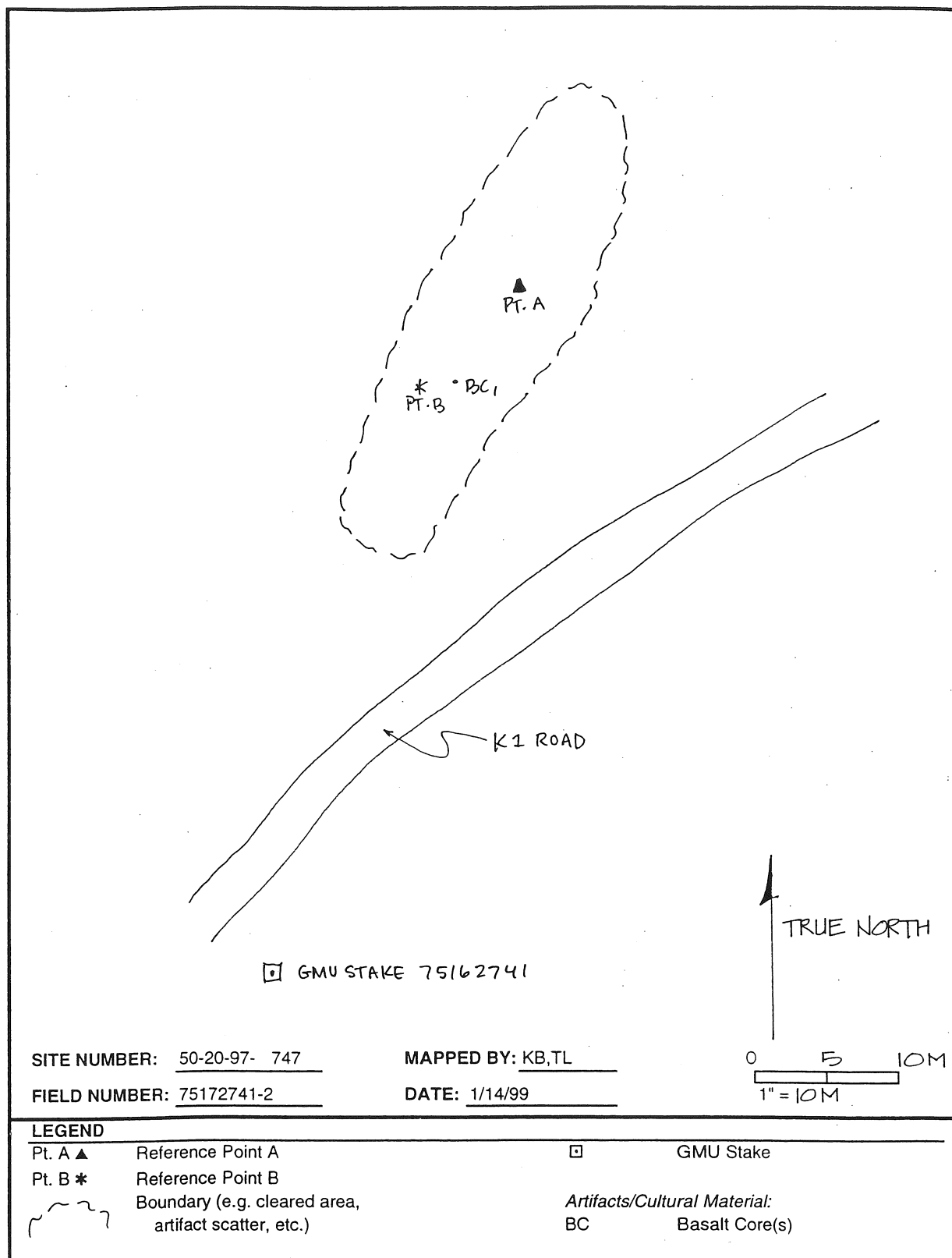


Figure B-272. Site 747, Plan Map



SITE NUMBER (SIHP): 50-20-97-752
FEATURE: None
STATUS: New
SETTING: Intermediate, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Activity Area
MATERIAL CHARACTERISTICS:

Adz Preforms/Rejects, Basalt Artifacts, Basalt Flakes

FIELD NO.: 74992731-1
GMU: 74992731
WORK AREA: K-1 Road
CULTURAL MATERIAL QUANTITY: > 100 Items
CULTURAL MATERIAL DENSITY: Medium
SITE DIMENSIONS: 64 m (L) x 23 m (W)
SITE AREA: Approx. 1472 sq. m

Site Description

Site 752 consists of a high- to low-density scatter of basalt flakes and cores, and adz preforms. The site is located adjacent to the southeast side of K-1 Road, approximately 350 m from the basalt quarry at the summit of Pu'umo'iwi. There are many large flakes and large cores, as expected so close to the quarry. Artifacts recorded at this feature include four adz preform/rejects and two basalt cores. Artifacts are visible on the eroded hardpan and denuded lateritic soils that comprise more than 90% of the site surface area; the remainder consists of grass-covered patches of shallow soil. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-6; Figure B-273). The site sits at an elevation of approximately 310 m and is within Hommon's Inland Settlement Zone (1980:48).

SITE NUMBER (SIHP): 50-20-97-753
FEATURE: None
STATUS: New
SETTING: Intermediate, Hardpan
PROBABLE AGE: Prehistoric
SITE TYPE: Scatter
SITE FUNCTION: Indeterminate
MATERIAL CHARACTERISTICS:
Fractured Basalt, Other Items

FIELD NO.: 74512721-1
GMU: 74512721
WORK AREA: K-1 Road
CULTURAL MATERIAL QUANTITY: < 10 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 29 m (L) x 24 m (W)
SITE AREA: Approx. 696 sq. m

Site Description

Site 753 consists of a very low-density scatter of coral fragments and fractured basalt. There is more coral than fractured basalt in the scatter. Most of the coral fragments are head coral, though a few pieces of antler coral were noted. The site is situated in a mostly denuded area at an elevation of approximately 205 m (Figure 3-4; Figure B-274) and is within Hommon's Intermediate Settlement Zone (1980:48).

Figure B-273. Site 752, Plan Map

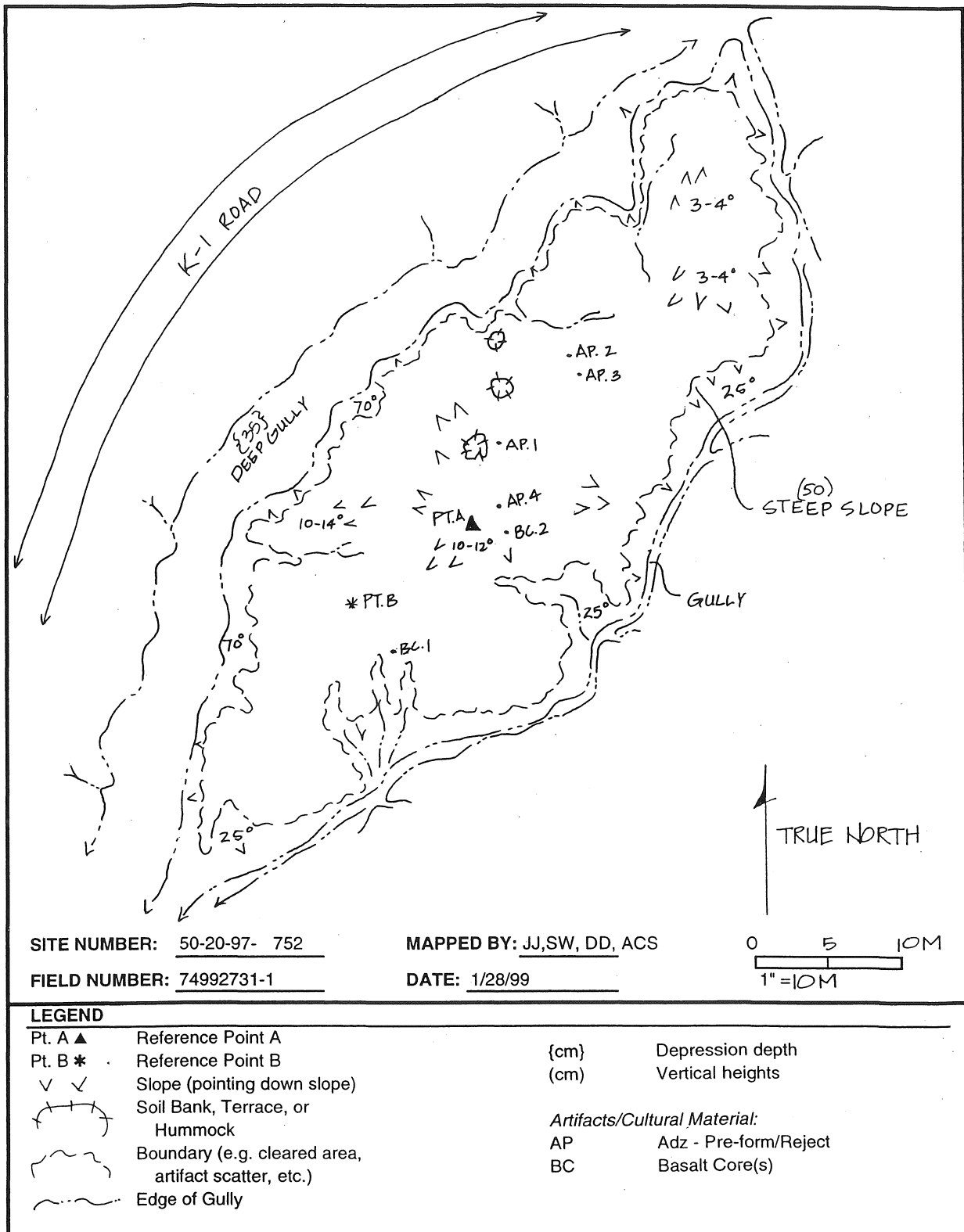
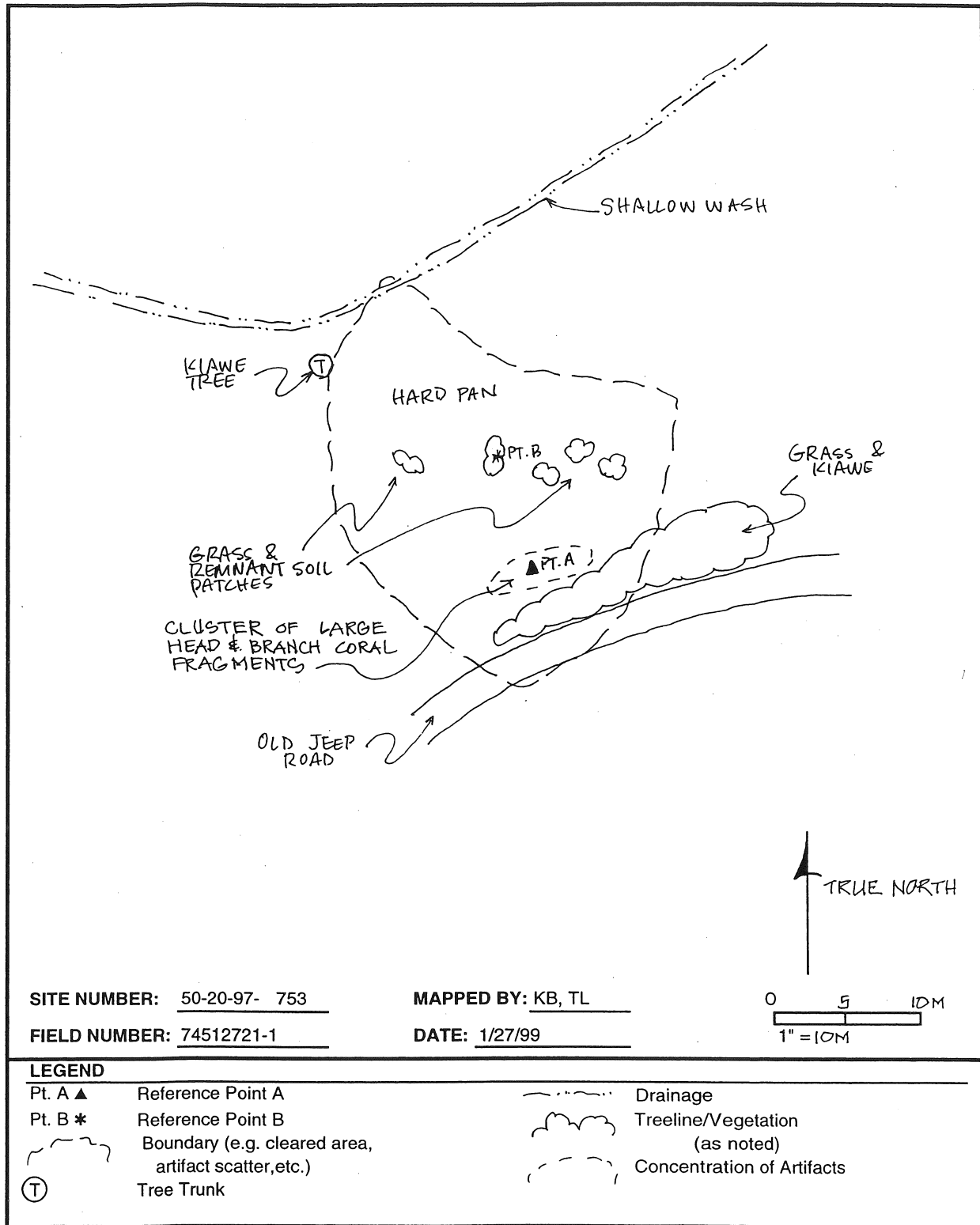


Figure B-274. Site 753, Plan Map



SITE NUMBER (SIHP): 50-20-97-754
FEATURE: None
STATUS: New
SETTING: Intermediate, Hardpan
PROBABLE AGE: Historic
SITE TYPE: Fence
SITE FUNCTION: Animal Husbandry
MATERIAL CHARACTERISTICS:
Other Items

FIELD NO.: 75002731-1
GMU: 75002731
WORK AREA: K-1 Road
CULTURAL MATERIAL QUANTITY: < 10 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: Indeterminate
SITE AREA: N.A.

Site Description

Site 754 consists of a deteriorating wire and post fence line made up of milled lumber fence posts and deteriorated wire. The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-6; Figure B-275). The site sits at an elevation of approximately 315 m and is within Hommon's Intermediate Settlement Zone (1980:48).

The fence is oriented 40 degrees (True North) extending beyond the boundaries of the K-1 Road work area. Some of posts are still standing, others have fallen, others are missing, and all are weathered and termite-eaten. The posts measure 1.7 m. above present ground surface (standing in relatively good condition), 10 by 10 cm (4" x 4"), and are in square postholes 12" across (approximately 30 cm). The wire is flat, highly corroded, and now measures 1.0 by 2.6 mm in variable lengths. It was attached to the posts via U-shaped fencing staples.

SITE NUMBER (SIHP): 50-20-97-755
FEATURE: None
STATUS: New
SETTING: Intermediate, Valley, Hardpan
PROBABLE AGE: Indeterminate
SITE TYPE: Fence
SITE FUNCTION: Animal Husbandry
MATERIAL CHARACTERISTICS:
Other Items

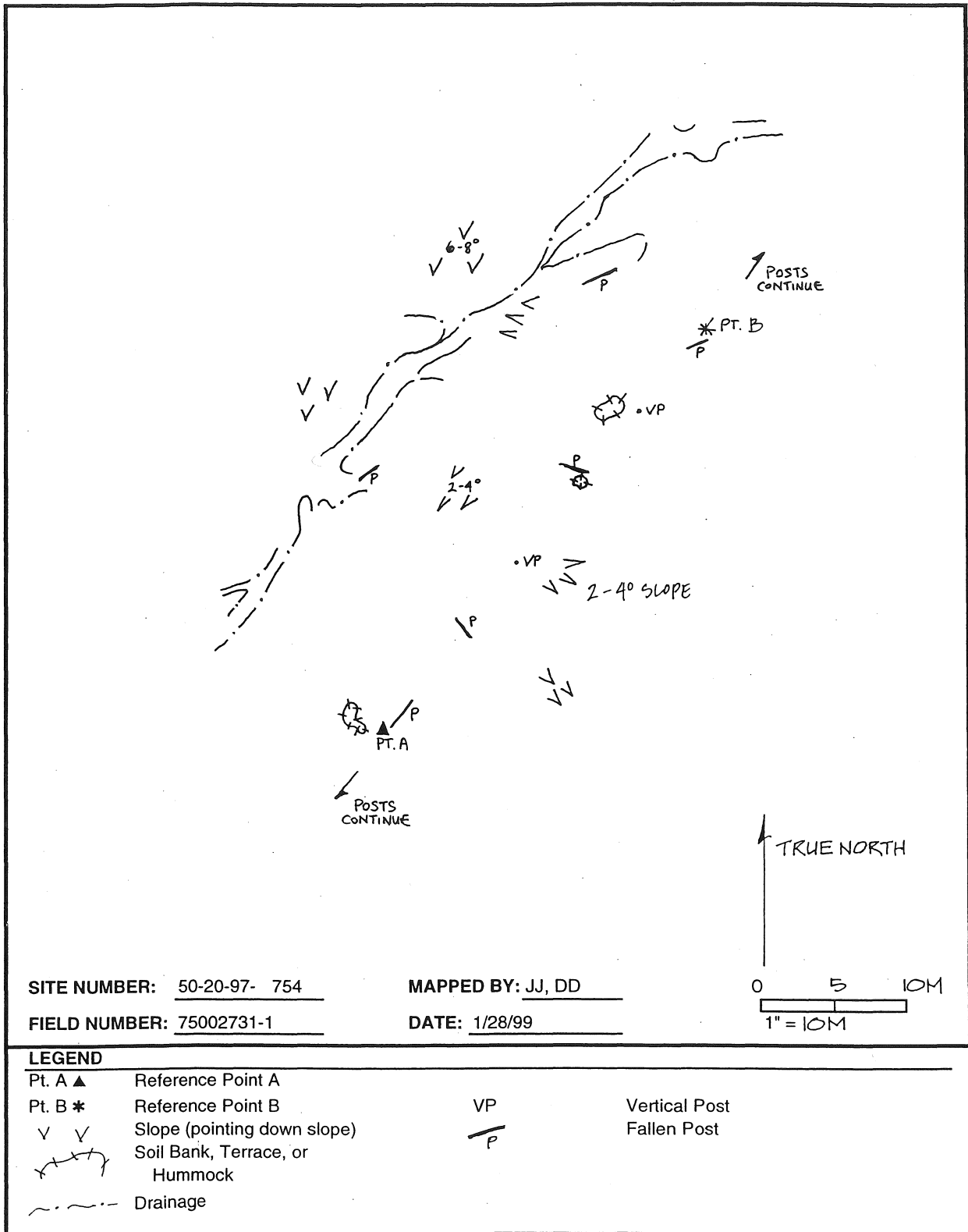
FIELD NO.: 74992725-1
GMU: 74992725
WORK AREA: K-1 Road
CULTURAL MATERIAL QUANTITY: 11-100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: Indeterminate
SITE AREA: N.A.

Site Description

Site 755 consists of a deteriorating wire and post fence line made up of milled lumber fence posts and deteriorated "hogwire." The site is situated in a mostly denuded area interspersed with eroding hummocks and scattered patches of vegetated shallow soils (Figure 3-6; Figure B-276). Where recorded, the site is located within Kanaloa Gulch at an elevation of approximately 290 m, and is within Hommon's Intermediate Settlement Zone (1980:48).

The fence is oriented 350 degrees (True North) extending up the side and out of the gulch, where it eventually intersects another fence line, Site 754. It also extends southward (170 degrees) across the gulch for an undetermined distance, beyond the boundaries of the K-1 Road work area. Some of posts are still standing, others have fallen, others are missing, and all are weathered and termite-eaten. The posts measure from 1.25 m to 1.80 m above the ground surface and are approximately 11 by 11 cm square. The hogwire fencing is about 80 cm high and is in various states of deterioration.

Figure B-275. Site 754, Plan Map



SITE NUMBER: 50-20-97- 754

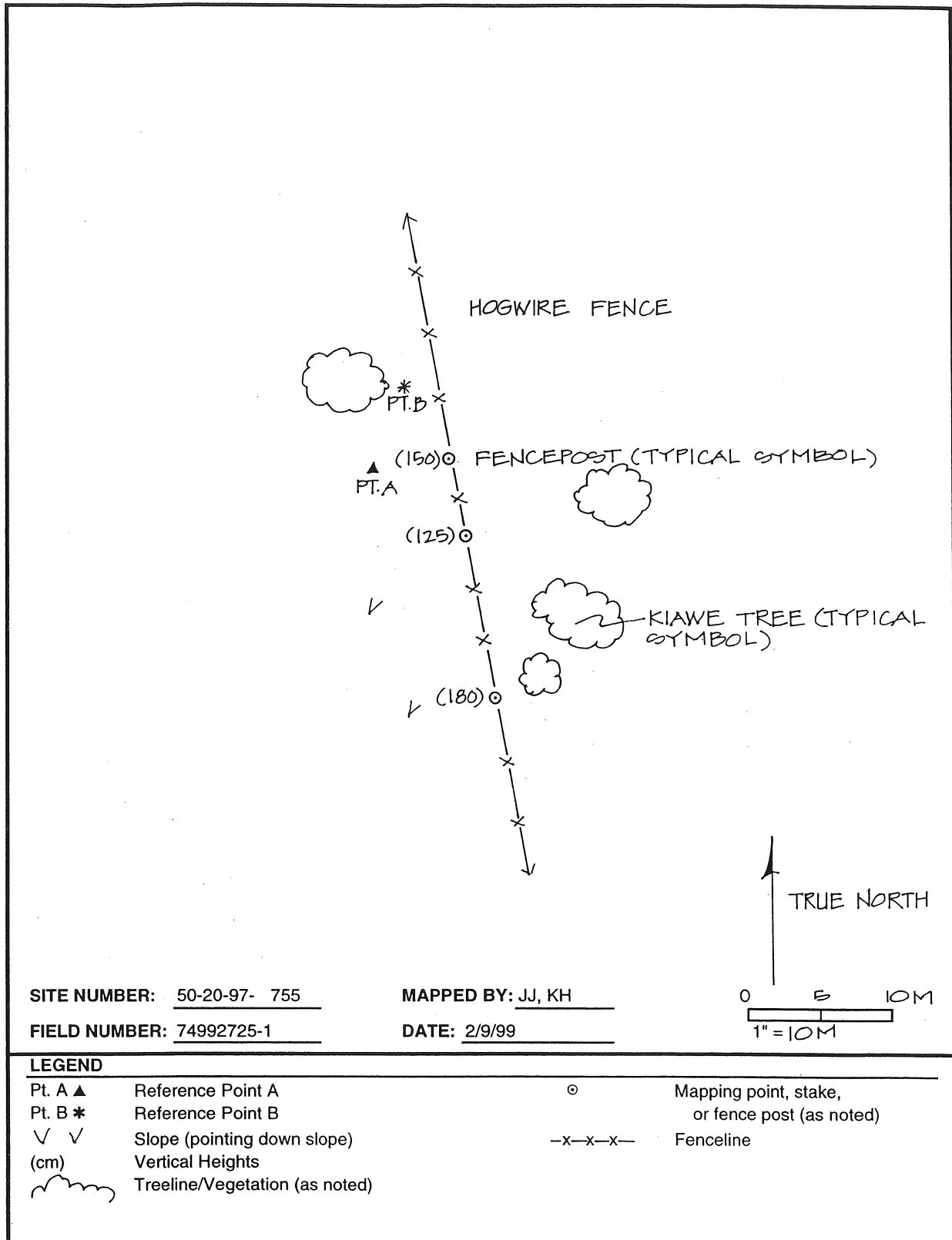
MAPPED BY: JJ, DD

FIELD NUMBER: 75002731-1

DATE: 1/28/99

0 5 10M
1" = 10M

Figure B-276. Site 755, Plan Map



SITE NUMBER (SIHP): 50-20-97-756

FEATURE: None

STATUS: New

SETTING: Inland, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Adz Preforms/Rejects, Volcanic Glass, Basalt Flakes

FIELD NO.: 75042729-1

GMU: 75042729

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: < 10 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 22 m (L) x 8 m (W)

SITE AREA: Approx. 176 sq. m

Site Description

Site 756 consists of one adz preform (recorded in two pieces), several basalt flakes, and one volcanic glass core fragment. The site is situated on an eroding lateritic soil surface that is completely devoid of vegetation. The site is located near the southeastern base of Pu'umo'iwi, in a mostly denuded area interspersed with scattered patches of vegetated soils (Figure 3-6; Figure B-277). The site is situated at an elevation of approximately 330 m and is within Hommon's Inland Settlement Zone (1980:48).

SITE NUMBER (SIHP): 50-20-97-757

FEATURE: None

STATUS: New

SETTING: Intermediate, Hardpan

PROBABLE AGE: Prehistoric

SITE TYPE: Scatter

SITE FUNCTION: Activity Area

MATERIAL CHARACTERISTICS:

Fractured Basalt, Volcanic Glass, Basalt Artifacts, Basalt Flakes

FIELD NO.: 75022731-1

GMU: 75022732

WORK AREA: K-1 Road

CULTURAL MATERIAL QUANTITY: 11-100 Items

CULTURAL MATERIAL DENSITY: Low

SITE DIMENSIONS: 41 m (L) x 10 m (W)

SITE AREA: Approx. 410 sq. m

Site Description

Site 757 consists of a low-density scatter of basalt flakes and cores, some other basalt cobbles that don't appear to be of tool quality, and one small volcanic glass nodule. One basalt awl was recorded at this site. The site is located near the southeastern base of Pu'umo'iwi, in a mostly denuded area interspersed with scattered patches of vegetated soils (Figure 3-5a; Figure B-278). There are a few patches of grass-covered soil around the site, but none within the site boundaries. The site is situated at an elevation of approximately 315 m and is within Hommon's Intermediate Settlement Zone (1980:48).

Figure B-277. Site 756, Plan Map

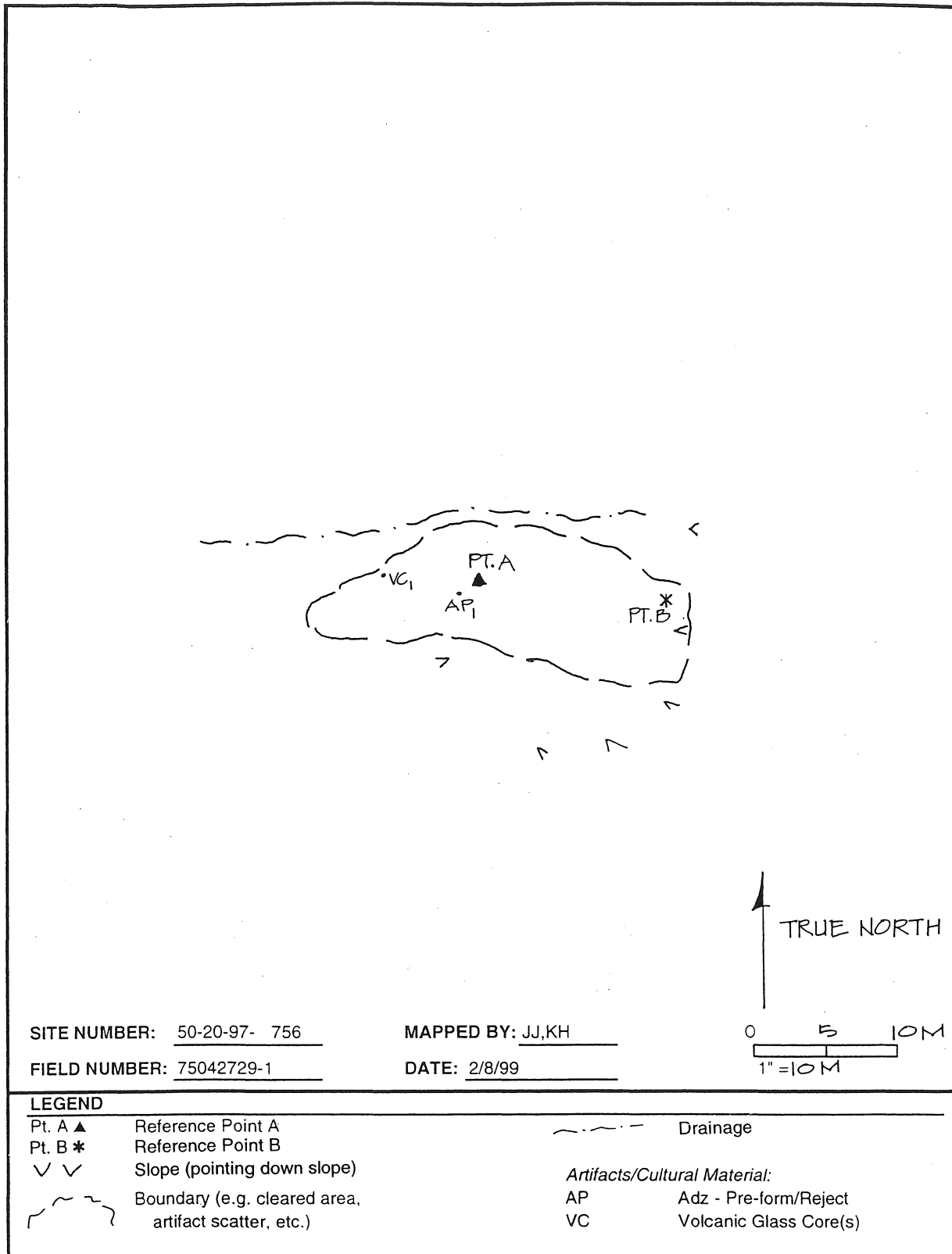
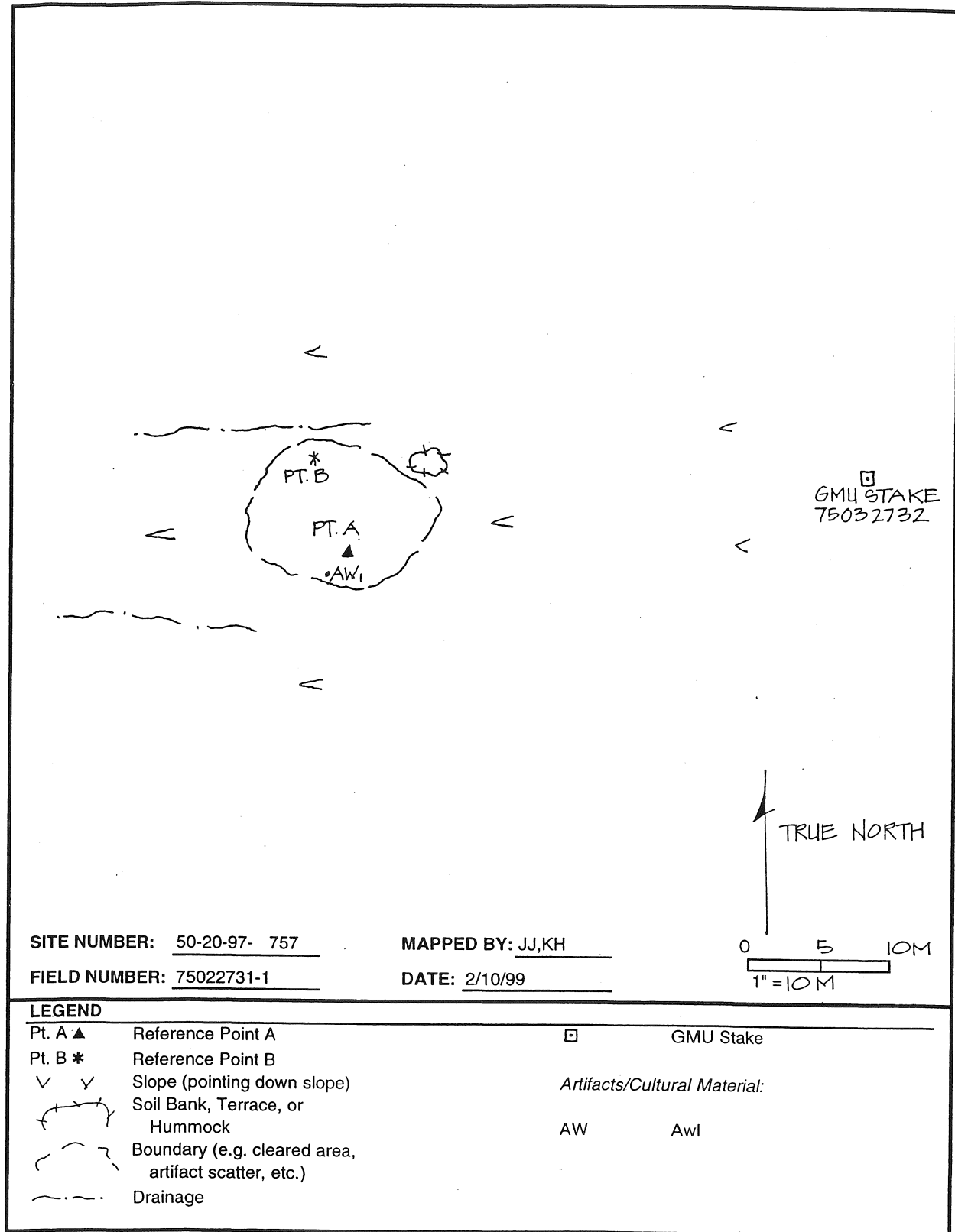


Figure B-278. Site 757, Plan Map



SITE NUMBER (SIHP): 50-20-97-815	FIELD NO.: 74792720-1
FEATURE: None	GMU: 74792720
STATUS: New	WORK AREA: OB/OD
SETTING: Inland, Hardpan	CULTURAL MATERIAL QUANTITY: > 100 Items
PROBABLE AGE: Historic	CULTURAL MATERIAL DENSITY: Low
SITE TYPE: Aircraft Wreckage Scatter	SITE DIMENSIONS: 90 m (L) x 30 m (W)
SITE FUNCTION: Aircraft Crash	SITE AREA: Approx. 2700 sq. m
MATERIAL CHARACTERISTICS:	
Other Items	

Site Description

This site consists of the wreckage of an unidentified aircraft scattered on the surface, partially submerged, and buried. The wreckage is spread over a large area of the OB/OD area in the vicinity of four other target vehicles (Figure 3-3). The wreckage is in small and large pieces, but the large pieces of the aircraft are mostly buried by accumulations of wind-blown soil. Types of the remains include pieces of the fuselage, possible fuel tanks that have partially melted, a tailhook, a servo unit for an automatic pilot, unfired 0.50 caliber rounds that are mangled, glass fragments, hydraulic fittings and lines, radio equipment, and unidentified mechanical fragments. Some of the radio equipment still has manufacturer's tags still attached, one of which reads:

Modulator Unit
Type CBY-50083
Weight 9.3 lbs Ser. #6286
A Unit of Model ATA Aircraft Radio Equipment Manufactured for
Navy Department Bureau of Ships
By
Aircraft Radio Corporation Boonton NJ
Contract No. 74912

The servo unit for an automatic pilot also has a tag on it that reads:

Servo Unit for Mark IV Automatic Pilot
Bureau of AERO US Navy
FSSC No. 88-25x NXS 8630

SITE NUMBER (SIHP): 50-20-97-739
FEATURE: None
STATUS: New
SETTING: Inland, Hardpan
PROBABLE AGE: Historic
SITE TYPE: Aircraft Wreckage Scatter
SITE FUNCTION: Aircraft Crash
MATERIAL CHARACTERISTICS:
Other Items

FIELD NO.: 75362748-2
GMU: 75362748
WORK AREA: Lua Makika
CULTURAL MATERIAL QUANTITY: > 100 Items
CULTURAL MATERIAL DENSITY: Low
SITE DIMENSIONS: 155 m (L) x 110 m (W)
SITE AREA: Approx. 17050 sq. m

Site Description

This site consists of the wreckage of a Douglas Skyraider scattered on the surface, partially submerged and buried, and spread over a large area of the southern slope of Moa'ulanui (Figure 3-7; Figure B-279). Most of the wreckage is in small pieces, but there are a few pieces of the aircraft skin up to 70 cm in length. Types of the remains include glass, blue opaque plastic, switches, hydraulic fittings and lines, gauges, unidentified mechanical fragments, and unexploded and unfired 20 mm projectiles. Dates of 1951 and 1953 were noted on two separate unexploded and unfired 20 mm projectiles. There are two separate mounds of earth and aircraft debris that appear to have been created by a small earth moving machine, as evidenced by 4-foot wide blade cuts in the hardpan approaching the mounds. Several potentially diagnostic pieces of the wreckage were recorded as artifacts. One is a partially buried part with cooling fins that has been tentatively identified as an oil cooler. Since only part of it is exposed, positive identification was not possible. Other parts recorded include a possible wing or flap (fragment or whole, mostly buried) an electrical panel with housing, unfired 20 mm practice rounds, and a piece of metal with a number and maker's mark on it.

Two diagnostic items were recorded that have been positively identified as parts from a Douglas Skyraider. One is the panel from a wing ammunition box for a 20 mm gun. The inside of the panel has an affixed decal with ammunition loading instructions, and the outside surface has part of the aircraft identification numbers painted on it. Another part is a piece of a wing fold knuckle that is identified as belonging to a Douglas Skyraider, and is painted in the Post World War II gray color.

The Skyraider was originally designed to meet World War II requirements for a carrier-based long-range dive bomber/torpedo-carrier. It was originally ordered in July 1944, but was not delivered in time to take part in World War II. It was manufactured by Douglas between 1946 and 1957 and was utilized during the Korean and Vietnam conflicts.

Figure B-279. Site 739, Plan Map

