6.25 Site SDI-12,357

6.25.1 Site Description

This site consists of a small lithic scatter located in the western portion of the project on the lower slope of a south-facing ridge with small drainages to the east and west. The site was originally recorded by Ogden in 1991 as a low-density lithic scatter. The general configuration of the resource is shown in Figure 6.25–1. Elevations at the site range from 630 to 675 feet AMSL. The site has been cleared in the past and is currently covered with sparse weeds and occasional buckwheat bush. A graded dirt road is present east of the site, but does not appear to have impacted the site itself. The setting of the site is shown in a photograph provided in Plate 6.25–1.

Site SDI-12,357 is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of all surface artifacts and the excavation of three shovel test pits. The field investigations were conducted on May 15 and 16, 2002.

6.25.2 Previous Investigations

The site was registered by Ogden during a survey conducted in 1991 as a low-density lithic scatter that measured approximately 20 by 100 meters (Carrico *et al* 1992). Artifacts observed on the surface of the site included three fragments of metavolcanic lithic production waste. No indication of a subsurface deposit was identified by Ogden, although the site was not tested as part of that study.

6.25.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,357 were executed using the standard methodologies described in Section 5.0. Vegetation cover at the site consisted of chamise chaparral over the entire site. Lithic artifacts were recovered from the surface of the site; subsurface investigations resulted in the conclusion that no subsurface deposits are present at the site.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a limited number of surface artifacts. Ten artifacts were recovered from the surface of the site from seven different surface locations. The recovery is summarized in Table 6.25–1, while detailed provenience information for the surface artifacts is presented in Table 6.25–2. Lithic production waste accounts for 80.00% (N=8) of the collection, while the remaining artifacts (N=2) consisted of a core tool and a retouched flake. The area of the site, delineated by the artifact scatter, measures approximately 44 meters (145 feet) from north to

south by 37 meters (120 feet) from west to east, and covers 986 square meters (10,606 square feet) (Figure 6.25–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,357 was investigated by excavating a series of three STPs. The placement of the STPs, shown in Figure 6.25–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. No artifacts were recovered from the STPs excavated at Site SDI-12,357. Locational and depth information for the shovel tests is presented in Table 6.25–3.

Due to the lack of evidence for a subsurface deposit, a test unit was not excavated at Site SDI-12,357 as part of the testing program. The excavation of the STPs determined that no subsurface deposits are present at Site SDI-12,357.

6.25.4 Discussion

The testing demonstrated that Site SDI-12,357 consists of a sparse scatter of lithic artifacts on the surface of the site; no subsurface cultural deposit was identified. The overall site dimensions, identified by the surface scatter, measure 44 meters (145 feet) by 37 meters (120 feet) and cover 986 square meters (10,606 square feet). The artifacts recovered from Site SDI-12,357 consisted of eight pieces of lithic production waste, a core tool, and a retouched flake. The core tool appears to be a core that exhibits minimal retouch and utilization. All artifacts collected from Site SDI-12,357 were derived from locally available fine- or medium-grained metavolcanics (Table 6.25–2). Measurements for the two lithic tools recovered are presented in Table 6.25–4.

The site appears to represent a limited-use site where lithic tool production and/or maintenance, and possible resource processing, occurred. Since none of the artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the sparse nature of the surface scatter and the lack of a subsurface deposit, it is unlikely that further excavation would produce additional data that would allow such a determination. The site exhibits no ecofacts, features, or unique elements. The mapping and collection of surface artifacts have exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recovery of information that can contribute to the knowledge of prehistory in the region. However, the current program has exhausted the research potential of the site to yield unique data, and further study will not produce additional significant information.

6.25.5 Summary

The investigation of Site SDI-12,357 did not produce any unique scientific data regarding site function or content. The identified artifacts indicate that site activities were focused primarily on a limited amount of lithic tool production and possibly resource processing. The site represents one of several limited-use lithic manufacturing or maintenance sites in the area.

Based on the information derived from the testing program, the site is characterized as possessing limited significance according to County of San Diego cultural resource guidelines. The site exhibits a sparse artifact scatter that has been collected, and did not possess any segregated special use areas, features, or unique elements. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,357.

Figure 6.25–1
Excavation Location Map — Site SDI-12,357

(Deleted for Public Review; Bound Separately)

View of Site SDI-12,357 looking south from Site SDI-12,358.

Plate 6.25–1

TABLE 6.25–1

Summary of Surface Recovery
Site SDI-12,357

Recovery Category	Quantity	Percent
Core Tools:		
Core Tool	1	10.00
Lithic Production Waste:		
Debitage	1	10.00
Flakes	7	70.00
Precision Tools:		
Retouched Flake	1	10.00
Total	10	100.00

Rounded numbers may not add to 100%.

TABLE 6.25–2

Surface Recovery Data
Site SDI-12,357

Recovery Location	Location from Datum A Azimuth/Range	Quantity	Recovery	Material	Cat. No.
1	306°/142 Feet	1	Retouched Flake	FGM	1
		1	Core Tool Fragment	MGM	2
2	268°/200 Feet	1	Debitage	FGM	3
		2	Flakes	FGM	4
3	257°/173 Feet	1	Flake	FGM	5
4	241°/119 Feet	1	Flake	FGM	6
5	246°/94 Feet	1	Flake	MGM	7
6	282°/109 Feet	1	Flake	FGM	8
7	271°/142 Feet	1	Flake	FGM	9

TABLE 6.25–3

Shovel Test Excavation Data
Site SDI-12,357

Shovel Test	Location from Datum A Azimuth/Range	Depth	Recovery	Cat. No.
1	308°/142 Feet	0-10 cm.	No Recovery	10
		10-20 cm.	No Recovery	11
		20-30 cm.	No Recovery	12
2	268°/129 Feet	0-10 cm.	No Recovery	13
		10-20 cm.	No Recovery	14
		20-30 cm.	No Recovery	15
3	241°/110 Feet	0-10 cm.	No Recovery	16
		10-20 cm.	No Recovery	17
		20-30 cm.	No Recovery	18

TABLE 6.25–4

Lithic Tool Measurement Data
Site SDI-12,357

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Core Tools:						
2	Core Tool Fragment	5.9	5.8	3.1	104.2	MGM
Precision Tools:						
	Retouched Flakes:					
1	Retouched Flake	6.0	3.4	2.0	47.7	FGM

6.26 Site SDI-12,358

6.26.1 Site Description

This site consists of a small lithic scatter located on the top of a slightly sloping, southwest facing ridge directly northeast of Site SDI-12,357 in the western portion of the project. The site was originally recorded by Ogden in 1991 as a low-density lithic scatter. The general configuration of the resource is shown in Figure 6.26–1. Elevations at the site range from 690 to 725 feet AMSL. Native vegetation at the site consists of chamise chaparral. A graded dirt road is approximately 70 feet southwest of the site, but does not appear to have impacted the site. The setting of the site is shown in a photograph provided in Plate 6.26–1.

Site SDI-12,358 is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of all surface artifacts and the excavation of nine shovel test pits. The field investigations were conducted on May 11, 2002.

6.26.2 Previous Investigations

The site was registered by Ogden during a survey conducted in 1991 as a low-density lithic scatter that measured approximately 20 by 20 meters (Carrico *et al*. 1992). Artifacts observed on the surface of the site included one core and two fragments of metavolcanic lithic production waste. No indication of a subsurface deposit was identified by Ogden, although the site was not tested as part of that study.

6.26.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,358 were executed using the standard methodologies described in Section 5.0. Lithic artifacts were recovered from the surface of the site; subsurface investigations resulted in the conclusion that the subsurface deposit is sparse and shallow.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a limited number of surface artifacts. A total of 94 artifacts were recovered from the 44 surface locations that produced artifacts (laboratory analysis revealed that several of the specimens collected from surface locations were not cultural). The recovery is summarized in Table 6.26–1, while detailed provenience information for the surface artifacts is presented in Table 6.26–2. Lithic production waste accounts for 71.28% (N=67) of the collection, while the remaining artifacts consisted of core (8.51%; N=8), percussion (4.26%; N=4), precision (11.70%; N=11), and multi-use (4.26%; N=4) tools. The area of the site, delineated by the artifact scatter, measures approximately 108 meters (355 feet) from southwest

to northeast by 81 meters (265 feet) from northwest to southeast, and covers 5,023 square meters (54,045 square feet) (Figure 6.26–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,358 was investigated by excavating a series of nine STPs. The placement of the STPs, shown in Figure 6.26–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. A single artifact, identified as a flake, was recovered from STP 8 in the 10 to 20 centimeter level. No other STPs were positive and no tools were recovered from subsurface contexts. Locational and depth information for the shovel tests is presented in Table 6.26–3. Based on the STP excavations, the subsurface area at Site SDI-12,358 is estimated to measure approximately 15 meters (50 feet) by 15 meters (50 feet) and cover approximately 180 square meters (1,940 square feet).

Due to the sparse nature of the subsurface deposit, a test unit was not excavated at Site SDI-12,358 as part of the testing program. The excavation of the STPs determined that no measurable subsurface deposits are present at Site SDI-12,358.

6.26.4 Laboratory Analysis

The laboratory analysis for Site SDI-12,358 included the standard procedures described in Section 5.0 of this report. All artifacts recovered from the field investigations conducted at the site were returned to the laboratory facility of BFSA to be cataloged and analyzed. A summary of artifacts recovered from the site is presented in Table 6.26–4. The recovery from Site SDI-12,358 (Temp 24) included 95 lithic artifacts.

Lithic Artifact Analysis

Lithic production waste accounted for the largest category of lithic artifacts, representing 71.58% (N=68) of the lithic artifact collection and included three cores, 14 pieces of debitage or shatter, and 51 flakes. The remaining lithic collection from Site SDI-12,358 consisted of core (8.42%; N=8), percussion (4.21%; N=4), precision (11.58%; N=11), and multi-use (4.21%; N=4) tools. Measurements of all lithic tools are presented in Table 6.26–5.

The artifacts identified as core tools are generally cores with some evidence of retouch or utilization on at least one edge of the artifact, but not enough so that the artifact can be classified as a specific precision or multi-use tool. A single core tool was recovered from Site SDI-12,358. All four percussion tools were identified as hammerstone fragments; one of these specimens shows evidence of burning. The precision tool category included a wide range of tools, most of which were identified as either utilized or retouched pieces of lithic production waste (N=7). Also included in this category were a perforator, a spokeshave, and two scrapers. Perforators and spokeshaves were not common at the Village 13 sites and their presence at Site SDI-12,358

suggests that animal and/or plant resources were processing at the site. The two scrapers were identified as a flake and a core scraper. Finally, the category of multi-use tools was developed in order to accurately describe those specimens that exhibited several different use-wear patterns, which prevented the classification of the artifact into one of the existing tool categories. Four multi-use tools were recovered from Site SDI-12,358, all of which were identified as hammer/cores.

All artifacts collected from Site SDI-12,358 were derived from locally available fine- or medium-grained metavolcanics (Tables 6.26–2 and 6.26–3).

6.26.5 Discussion

The testing demonstrated that Site SDI-12,358 consists of a scatter of lithic artifacts on the surface of the site and a sparse subsurface deposit. The overall site dimensions, identified by the surface scatter, measure 108 meters (355 feet) by 81 meters (265 feet), and cover 5,023 square meters (54,045 square feet). Based on the STP excavations, the subsurface area at Site SDI-12,358 appears to be sparse (one artifact) and very localized. The subsurface area measures approximately 15 meters (50 feet) by 15 meters (50 feet), and covers approximately 180 square meters (1,940 square feet).

The site appears to represent a limited-use site where lithic tool production and/or maintenance, and plant and/or animal resource processing, occurred. Since none of the artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the sparse nature of the subsurface deposit and the fact that all artifacts have been collected from the surface of the site, it is unlikely that further excavation would produce additional data that would allow such a determination. The site exhibits no ecofacts, features, or unique elements. The mapping and collection of surface artifacts have exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recovery of information that can contribute to the knowledge of prehistory in the region. However, the current program has exhausted the research potential of the site to yield unique data, and further study will not produce additional significant information..

6.26.6 Summary

The investigation of Site SDI-12,358 did not produce any unique scientific data regarding site function or content. The identified artifacts indicate that site activities were focused primarily on lithic tool production and plant and/or animal resource processing. The site represents one of several limited-use lithic manufacturing and temporary camp sites in the area.

Based on the information derived from the testing program, the site is characterized as possessing limited significance according to County of San Diego cultural resource guidelines.

The site exhibits an artifact scatter that has been collected, a sparse subsurface deposit composed of lithic production waste, and did not possess any segregated special use areas or features. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,358.

Figure 6.26–1
Excavation Location Map — Site SDI-12,358

(Deleted for Public Review; Bound Separately)

View of Site SDI-12,358 looking southwest (arrow identifies Datum A).

Plate 6.26–1

TABLE 6.26–1

Summary of Surface Recovery
Site SDI-12,358

Recovery Category	Quantity	Percent
Core Tools:		
Core Tools	8	8.51
Lithic Production Waste:		
Cores	3	3.19
Debitage	14	14.89
Flakes	50	53.19
Percussion Tools:		
Hammerstones	4	4.26
Precision Tools:		
Perforator	1	1.06
Retouched Flake	1	1.06
Scrapers	2	2.13
Spokeshave	1	1.06
Utilized Debitage	1	1.06
Utilized Flakes	5	5.32
Multi-Use Tools:		
Hammer/Cores	4	4.26
Total	94	100.00

Rounded numbers may not add to 100%.

TABLE 6.26–2

Surface Recovery Data
Site SDI-12,358

Recovery Location	Location from Datum A Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
1	168°/113 Feet	1	Flake	FGM	1
2	142°/108 Feet	1	Perforator	FGM	2
		1	Flake	MGM	3
3	185°/109 Feet		Not an Artifact		4
4	224°/94 Feet	1	Hammerstone Fragment, Undetermined, Burned	MGM	5
5	235°/93 Feet	1	Core	MGM	6
6	115°/20 Feet	1	Debitage	FGM	7
7	310°/11 Feet	1	Debitage	FGM	8
		1	Flake	FGM	9
8	56°/49 Feet	1	Flake	FGM	10
9	268°/10 Feet	1	Flake	FGM	38
		1	Debitage	MGM	39
10	280°/26 Feet	1	Hammer/Core Fragment	FGM	40
11	241°/22 Feet	1	Flake	MGM	41
12	172°/43 Feet	1	Utilized Flake Fragment	FGM	42
		1	Flake	FGM	43
13	188°/79 Feet	1	Flake	FGM	44
		1	Core Tool Fragment	MGM	45

Recovery Location	Location from Datum A Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
14	198°/84 Feet	1	Hammerstone Fragment, Undetermined	MGM	46
		1	Core Tool	MGM	47
15	190°/112 Feet	1	Flake	FGM	48
		2	Flakes	MGM	49
16	212°/117 Feet	1	Flake	FGM	50
17	198°/156 Feet	4	Flakes	FGM	51
		1	Debitage	MGM	52
18	222°/138 Feet	1	Utilized Flake Fragment	FGM	53
19	202°/56 Feet	1	Flake	FGM	54
		1	Flake	MGM	55
20	254°/82 Feet	1	Utilized Flake	FGM	56
		1	Debitage	FGM	57
		1	Flake	MGM	58
21	246°/99 Feet		Not an Artifact		59
22	239°/107 Feet	1	Utilized Flake	FGM	60
		1	Debitage	MGM	61
23	267°/85 Feet	1	Hammer/Core	MGM	62
24	305°/20 Feet	1	Debitage	MGM	63
		1	Flake	MGM	64
25	156°/14 Feet	1	Flake	FGM	65
26	88°/55 Feet	1	Flake	FGM	66
		1	Debitage	MGM	67
27	83°/59 Feet	1	Core	FGM	68

Recovery Location	Location from Datum A Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
		1	Debitage	FGM	69
		1	Flake	FGM	70
		1	Hammerstone Fragment, Undetermined	MGM	71
		1	Spokeshave	MGM	72
		1	Flake	MGM	73
28	104°/73 Feet	1	Flake	MGM	74
29	100°/112 Feet	1	Debitage	MGM	75
		1	Flake	MGM	76
30	154°/200 Feet	1	Core Tool	FGM	77
31	162°/153 Feet	1	Flake	FGM	78
32	141°/92 Feet	2	Flakes	FGM	79
33	83°/138 Feet	1	Flake Scraper Fragment	FGM	80
		1	Flake	FGM	81
		1	Debitage	MGM	82
34	70°/184 Feet	1	Utilized Flake	MGM	83
35	57°/189 Feet	1	Flake	MGM	84
36	66°/77 Feet	2	Debitage	MGM	85
		1	Flake	MGM	86
37	63°/61 Feet	1	Debitage	FGM	87
		6	Flakes	FGM	88
		2	Flakes	MGM	89
38	53°/75 Feet	1	Hammer/Core	FGM	90
		1	Hammerstone Fragment, Undetermined	FGM	91
		1	Hammer/Core	FGM	92
		2	Flakes	FGM	93
		1	Core Scraper	MGM	94
		1	Flake	MGM	95

Recovery Location	Location from Datum A Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
39	55°/53 Feet	1	Core Tool	FGM	96
		1	Flake	FGM	97
40	57°/37 Feet	1	Core	MGM	98
41	51°/77 Feet	2	Flakes	MGM	99
42	32°/51 Feet	1	Core Tool Fragment	FGM	100
		2	Flakes	FGM	101
43	37°/86 Feet	1	Utilized Debitage Fragment	FGM	102
		1	Flake	MGM	103
44	46°/93 Feet	1	Core Tool	FGM	104
45	56°/102 Feet	1	Core Tool	MGM	105
		1	Core Tool	MGM	106
		1	Flake	MGM	107
46	32°/140 Feet		Not an Artifact		108
47	18°/118 Feet	1	Retouched Flake Fragment	MGM	109

TABLE 6.26–3

Shovel Test Excavation Data
Site SDI-12,358

Shovel Test	Location from Datum A Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
1	245°/98 Feet	0-10 cm.		No Recovery		11
		10-20 cm.		No Recovery		12
		20-30 cm.		No Recovery		13
2	202°/126 Feet	0-10 cm.		No Recovery		14
		10-20 cm.		No Recovery		15
		20-30 cm.		No Recovery		16
3	141°/112 Feet	0-10 cm.		No Recovery		17
		10-20 cm.		No Recovery		18
		20-30 cm.		No Recovery		19
4	83°/113 Feet	0-10 cm.		No Recovery		20
		10-20 cm.		No Recovery		21
		20-30 cm.		No Recovery		22
5	13°/76 Feet	0-10 cm.		No Recovery		23
		10-20 cm.		No Recovery		24
		20-30 cm.		No Recovery		25
6	90°/50 Feet	0-10 cm.		No Recovery		26
		10-20 cm.		No Recovery		27
		20-30 cm.		No Recovery		28
7	180°/50 Feet	0-10 cm.		No Recovery		29
		10-20 cm.		No Recovery		30
		20-30 cm.		No Recovery		31

Shovel Test	Location from Datum A Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
8	220°/50 Feet	0-10 cm.		No Recovery		32
		10-20 cm.	1	Flake	MGM	33
8	220°/50 Feet	20-30 cm.		No Recovery		34
9	90°/100 Feet	0-10 cm.		No Recovery		35
		10-20 cm.		No Recovery		36
		20-30 cm.		No Recovery		37

TABLE 6.26–4

Summary of Artifact Recovery
Site SDI-12,358

Recovery Category	Surface	Shovel Tests	Total	Percent
Core Tools:				
Core Tools	8	-	8	8.42
Lithic Production Waste:				
Cores	3	-	3	3.16
Debitage	14	-	14	14.74
Flakes	50	1	51	53.68
Percussion Tools:				
Hammerstones	4	-	4	4.21
Precision Tools:				
Perforator	1	-	1	1.05
Retouched Flake	1	-	1	1.05
Scrapers	2	-	2	2.11
Spokeshave	1	-	1	1.05
Utilized Debitage	1	-	1	1.05
Utilized Flakes	5	-	5	5.26
Multi-Use Tools:				
Hammer/Cores	4	-	4	4.21
Total	94	1	95	100.00
Percent	98.95	1.05	100.00	

Rounded numbers may not add to 100%.

TABLE 6.26–5

Lithic Tool Measurement Data
Site SDI-12,358

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Core Tools:						
45	Core Tool Fragment	8.0	5.9	3.3	228.0	MGM
47	Core Tool	8.0	7.3	4.5	300.6	MGM
77	Core Tool	11.2	7.6	4.6	471.2	FGM
96	Core Tool	7.4	7.1	6.7	383.8	FGM
100	Core Tool Fragment	6.7	4.6	3.6	85.3	FGM
104	Core Tool	9.6	7.4	5.6	525.6	FGM
105	Core Tool	9.5	7.8	7.5	762.7	MGM
106	Core Tool	8.3	7.1	5.7	460.8	MGM
Percussion Tools:						
Hammerstones:						
5	Hammerstone Fragment, Undetermined, Burned	8.8	6.7	5.2	313.9	MGM
46	Hammerstone Fragment, Undetermined	6.4	4.2	2.4	84.0	MGM
71	Hammerstone Fragment, Undetermined	7.4	6.1	5.6	263.5	MGM
91	Hammerstone Fragment, Undetermined	6.8	4.4	2.7	85.8	FGM
Precision Tools:						
Perforators:						
2	Perforator	5.1	4.1	2.4	43.7	FGM
Retouched Flakes:						
109	Retouched Flake Fragment	7.5	5.6	2.0	102.4	MGM
Scrapers:						
94	Core Scraper	9.4	7.8	7.2	590.2	MGM
80	Flake Scraper Fragment	5.4	4.2	1.7	35.3	FGM
Spokeshaves:						
72	Spokeshave	7.4	6.4	4.4	163.0	MGM
Utilized Debitage:						
102	Utilized Debitage Fragment	4.6	3.2	2.1	23.2	FGM

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Utilized Flakes:						
42	Utilized Flake Fragment	3.6	1.5	0.9	5.0	FGM
53	Utilized Flake Fragment	5.7	3.3	1.1	23.3	FGM
56	Utilized Flake	5.9	4.6	1.5	47.6	FGM
60	Utilized Flake	3.4	3.1	0.7	7.8	FGM
83	Utilized Flake	7.2	4.2	1.1	32.4	MGM
Multi-Use Tools:						
Hammer/Cores:						
40	Hammer/Core Fragment	4.0	3.7	2.5	40.6	FGM
62	Hammer/Core	10.4	7.3	4.1	317.4	MGM
90	Hammer/Core	10.8	5.9	5.9	463.4	FGM
92	Hammer/Core	8.2	7.6	5.0	462.9	FGM

6.27 Site SDI-12,359

6.27.1 Site Description

This site consists of a lithic scatter located on the south slope of a southwest-trending ridge directly west of Site SDI-11,404, and southeast of a seasonal drainage, in the central portion of the project. The site was originally recorded by Ogden in 1991 as a low-density lithic scatter. The general configuration of the resource is shown in Figure 6.27–1. Elevations at the site range from 725 to 825 feet AMSL. Native vegetation at the site consists of chamise chaparral. A graded dirt road extends along the northern edge of the site, but impacts from the road are minimal. The setting of the site is shown in a photograph provided in Plate 6.27–1.

Site SDI-12,359 is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of all surface artifacts and the excavation of 11 shovel test pits. The field investigations were conducted on May 11, 2002.

6.27.2 Previous Investigations

The site was registered by Ogden during a survey conducted in 1991 as a low-density lithic scatter that measured approximately 100 by 200 meters (Carrico *et al*. 1992). Artifacts observed on the surface of the site included two cores and three fragments metavolcanic lithic production waste. No features or indication of a subsurface deposit were identified by Ogden, although the site was not tested as part of that study.

6.27.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,359 were executed using the standard methodologies described in Section 5.0. Lithic artifacts were recovered from the surface of the site; subsurface investigations resulted in the conclusion that a localized, sparse subsurface deposit is present at the site.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a number of surface artifacts. A total of 187 artifacts were recovered from the 66 surface locations that produced artifacts (laboratory analysis revealed that several of the specimens collected from surface locations were not cultural). The recovery is summarized in Table 6.27–1, while detailed provenience information for the surface artifacts is presented in Table 6.27–2. Lithic production waste accounts for 92.51% (N=173) of the collection, while the remaining artifacts (N=14) consisted of core (2.14%; N=2) and precision 5.35%; N=10) tools. Most of the surface artifacts were recovered south of the road with the exception of a few artifacts on the western edge of the site. The area of the site, delineated by the artifact scatter, measures approximately 180 meters (590 feet) from southwest to northeast by 64 meters (210

feet) from northwest to southeast, and covers 7,370 square meters (79,305 square feet) (Figure 6.27–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,359 was investigated by excavating a series of 11 STPs. The placement of the STPs, shown in Figure 6.27–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. Two artifacts, one from each of STPs 6 and 10, were recovered from the STPs excavated at Site SDI-12,359. Both artifacts were identified as lithic production waste and were recovered from the 10 to 20 centimeter levels of each of the STPs. Locational and depth information for the shovel tests is presented in Table 6.27–3.

Due to the lack of evidence for a measurable subsurface deposit, a test unit was not excavated at Site SDI-12,359 as part of the testing program. The excavation of the STPs determined that a localized, shallow subsurface deposit is present in the center of the site. The deposit measures approximately 29 meters (94 feet) from west to east by 16 meters (54 feet) from north to south, and covers 380 square meters (4,087 square feet). The STPs indicate the deposit is composed of lithic production waste; no evidence of a midden deposit or lithic tools was identified.

6.27.4 Laboratory Analysis

The laboratory analysis for Site SDI-12,359 included the standard procedures described in Section 5.0 of this report. All artifacts recovered from the field investigations conducted at the site were returned to the laboratory facility of BFSA to be cataloged and analyzed. The recovery from Site SDI-12,359, including 189 artifacts, is summarized in Table 6.27–4.

Lithic Artifact Analysis

Lithic production waste accounted for the largest category of lithic artifacts, representing 92.59% (N=175) of the lithic artifact collection and included one core, 23 pieces of debitage or shatter, and 151 flakes. The remaining lithic collection from Site SDI-12,359 consisted of core tools (N=4; 2.12%) and precision tools (N=10; 5.29%). Measurements of all lithic tools are presented in Table 6.27–5.

The core tools from the site consist of artifacts that appeared to have been utilized as cores, but that also exhibited minimal retouch along one or more edges; four core tools were recovered. The precision tool category included two pieces of retouched lithic production waste, and eight utilized piece of lithic production waste. All tools from the site were recovered from the surface of the site.

The material distribution of the lithic assemblage is presented in Table 6.27–6. The collection consists almost entirely (99.47%; N=188) of locally available fine- and medium-

grained metavolcanic material. This material is available on the site itself as loose rocks or in the immediate vicinity as bedrock outcrops. The only other lithic material category recovered consisted of a single piece of chalcedony. Although chalcedony is believed to have been imported to this area from the desert, local sources of cryptocrystalline material were identified during the monitoring of grading on nearby development properties (Smith and Stropes 2014).

6.27.5 Discussion

The testing demonstrated that Site SDI-12,359 consists of a scatter of lithic artifacts on the surface of the site as well as a small, localized subsurface cultural deposit. The overall site dimensions, identified by the surface scatter, measure 180 meters (590 feet) from southwest to northeast by 64 meters (210 feet) from northwest to southeast, and covers 7,370 square meters (79,305 square feet). The subsurface deposit appears to be limited to an area measuring approximately 29 meters (94 feet) by 16 meters (54 feet), and covers 380 square meters (4,087 square feet). The artifact assemblage recovered from Site SDI-12,359 was dominated by lithic production waste, although smaller quantities of core and precision tools were also recovered. The site appears to represent a temporary camp site where a limited amount of lithic tool production and/or maintenance, and possible plant and/or animal resource processing, occurred.

Since none of the artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the nature of the surface scatter and the sparse nature of the subsurface deposit, it is unlikely that further excavation would produce additional data that would allow such a determination. The subsurface deposit exhibits no evidence of artifact variability and all surface artifacts have been collected from the site. Furthermore, the site exhibits no ecofacts, features, or unique elements. The testing of the site, including the collection of surface artifacts, has exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recovery of information that can contribute to the knowledge of prehistory in the region. However, the current program has exhausted the research potential of the site to yield unique data, and further study will not produce additional significant information..

6.27.6 Summary

The investigation of Site SDI-12,359 did not produce any unique scientific data regarding site function or content. The identified artifacts indicate that site activities were focused primarily on a limited amount of lithic tool production and possibly resource processing. The site represents one of several temporary camp and lithic production sites in the area.

Based on the information derived from the testing program, the site is characterized as possessing limited significance according to County of San Diego cultural resource guidelines. The site exhibits a moderate artifact scatter that has been collected, and did not possess any

segregated special use areas, features, or unique elements. The subsurface deposit is localized, shallow, and shows no evidence of artifact variability. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,359.

Figure 6.27–1
Excavation Location Map — Site SDI-12,359

(Deleted for Public Review; Bound Separately)

View of Site SDI-12,359 looking northwest (top and facing slope of low ridge).

Plate 6.27–1

TABLE 6.27–1

Summary of Surface Recovery
Site SDI-12,359

Recovery Category	Quantity	Percent
Core Tools:		
Core Tools	4	2.14
Lithic Production Waste:		
Core	1	0.53
Debitage	22	11.76
Flakes	150	80.21
Precision Tools:		
Retouched Debitage	1	0.53
Retouched Flake	1	0.53
Utilized Debitage	1	0.53
Utilized Flakes	7	3.74
Total	187	100.00

Rounded numbers may not add to 100%.

TABLE 6.27–2

Surface Recovery Data
Site SDI-12,359

Recovery Location	Location from Datum A Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
1	279°/24 Feet	1	Flake	FGM	1
		1	Flake	MGM	2
2	277°/53 Feet	1	Debitage	FGM	3
		2	Flakes	FGM	4
		1	Flake	MGM	5
3	280°/70 Feet	1	Utilized Flake	FGM	6
		1	Debitage	FGM	7
4	248°/107 Feet		Not an Artifact		8
		1	Flake	MGM	9
5	252°/126 Feet	1	Flake	MGM	10
6	263°/173 Feet	1	Flake	MGM	11
7	264°/157 Feet	1	Flake	MGM	12
8	263°/234 Feet	1	Debitage	MGM	13
		1	Flake	MGM	14
9	266°/252 Feet	1	Retouched Flake Fragment	FGM	15
10	265°/216 Feet	2	Flakes	MGM	16
11	277°/246 Feet	1	Flake	FGM	17
		1	Flake	MGM	18
12	281°/256 Feet		Not an Artifact		19
13	283°/29 Feet	1	Core	MGM	20
14	293°/199 Feet	2	Flakes	FGM	21
		2	Flakes	MGM	22
15	298°/180 Feet	1	Flake	FGM	23
		1	Flake	MGM	24
16	324°/143 Feet	1	Flake	FGM	25
		5	Flakes	MGM	26

Recovery Location	Location from Datum A Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
17	325°/122 Feet	2	Flakes	MGM	27
			Not an Artifact		28
18	324°/115 Feet	1	Core Tool Fragment	FGM	29
19	307°/56 Feet	1	Debitage	FGM	30
		1	Flake	FGM	31
		1	Flake	MGM	32
20	327°/75 Feet	2	Flakes	FGM	33
		2	Flakes	MGM	34
21	332°/94 Feet	2	Debitage	FGM	35
		1	Core Tool Fragment	MGM	36
22	343°/110 Feet	1	Flake	MGM	37
23	329°/126 Feet	1	Debitage	FGM	38
		1	Flake	FGM	39
24	342°/126 Feet	1	Flake	MGM	40
25	347°/140 Feet	1	Debitage	MGM	41
26	28°/233 Feet	1	Utilized Flake	MGM	42
27	33°/263 Feet	1	Debitage	FGM	43
		1	Flake	MGM	44
28	39°/307 Feet	1	Core Tool Fragment	FGM	45
		1	Flake	MGM	46
29	44°/321 Feet	1	Flake	MGM	47
30	46°/352 Feet	1	Flake	MGM	48
31	53°/341 Feet		Not an Artifact		49
32	57°/319 Feet	1	Flake	FGM	50
			Not an Artifact		51
			Not an Artifact		52
33	56°/269 Feet	1	Flake	Chalcedony	53
34	33°/132 Feet	1	Flake	MGM	54
35	92°/46 Feet	1	Utilized Flake	FGM	55
		1	Debitage	MGM	56

Recovery Location	Location from Datum A Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
36	0°/0 Feet	1	Flake	FGM	57
37	180°/65 Feet	1	Utilized Flake	MGM	58
38	211°/69 Feet	2	Flakes	MGM	59
39	238°/53 Feet	2	Flakes	MGM	60
40	310°/132 Feet	1	Utilized Debitage	FGM	61
		1	Utilized Flake	FGM	62
		2	Flakes	FGM	63
		1	Flake	MGM	64
41	233°/89 Feet	1	Flake	MGM	65
42	20°/3 Feet	1	Flake	MGM	81
43	348°/24 Feet	1	Flake	MGM	82
44	351°/98 Feet	1	Flake	MGM	83
45	343°/110 Feet	2	Debitage	MGM	84
		1	Flake	MGM	85
46	344°/89 Feet	3	Flakes	MGM	86
47	344°/59 Feet	1	Flake	FGM	87
		2	Flakes	MGM	88
48	333°/109 Feet	4	Flakes	MGM	89
49	329°/87 Feet	2	Flakes	FGM	90
		1	Debitage	MGM	91
		1	Flake	MGM	92
50	325°/90 Feet	1	Debitage	MGM	93
		7	Flakes	MGM	94
51	331°/79 Feet	1	Flake	MGM	95
52	325°/72 Feet	3	Flakes	FGM	96
		2	Debitage	MGM	97
		8	Flakes	MGM	98
53	332°/51 Feet	1	Flake	FGM	99
		4	Flakes	MGM	100

Recovery Location	Location from Datum A Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
55	319°/123 Feet	2	Flakes	FGM	102
		9	Flakes	MGM	103
56	317°/138 Feet	1	Debitage	FGM	104
		1	Flake	FGM	105
		1	Debitage	MGM	106
		4	Flakes	MGM	107
54	316°/78 Feet	1	Utilized Flake	MGM	101
57	315°/121 Feet	1	Debitage	FGM	108
		1	Flake	FGM	109
		1	Core Tool Fragment	MGM	110
		6	Flakes	MGM	111
58	314°/161 Feet	1	Flake	FGM	112
		1	Flake	MGM	113
59	305°/89 Feet	1	Flake	FGM	114
		5	Flakes	MGM	115
60	304°/50 Feet	1	Flake	FGM	116
		1	Flake	MGM	117
61	310°/104 Feet	8	Flakes	MGM	118
62	288°/88 Feet	2	Flakes	MGM	119
63	286°/75 Feet	1	Utilized Flake Fragment	FGM	120
		1	Debitage	FGM	121
		1	Flake	MGM	122
64	276°/67 Feet	3	Flakes	MGM	123
65	265°/38 Feet	1	Flake	FGM	124
		3	Flakes	MGM	125
66	274°/23 Feet	1	Debitage	FGM	126
		1	Flake	FGM	127
		2	Flakes	MGM	128
67	121°/26 Feet	1	Flake	MGM	129
68	154°/28 Feet	1	Retouched Debitage	MGM	130
		1	Debitage	MGM	131
		1	Flake	MGM	132

TABLE 6.27–3

Shovel Test Excavation Data
Site SDI-12,359

Shovel Test	Location from Datum A Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
1	0°/0 Feet	0-10 cm.		No Recovery		66
		10-20 cm.		No Recovery		67
		20-30 cm.		No Recovery		68
2	313°/117 Feet	0-10 cm.		No Recovery		69
		10-20 cm.		No Recovery		70
		20-30 cm.		No Recovery		71
3	359°/139 Feet	0-10 cm.		No Recovery		72
		10-20 cm.		No Recovery		73
		20-30 cm.		No Recovery		74
4	45°/349 Feet	0-10 cm.		No Recovery		75
		10-20 cm.		No Recovery		76
		20-30 cm.		No Recovery		77
5	273°/194 Feet	0-10 cm.		No Recovery		78
		10-20 cm.		No Recovery		79
		20-30 cm.		No Recovery		80
6	308°/121 Feet	0-10 cm.		No Recovery		133
		10-20 cm.	1	Flake	MGM	134
		20-30 cm.		No Recovery		135
7	295°/86 Feet	0-10 cm.		No Recovery		136
		10-20 cm.		No Recovery		137
		20-30 cm.		No Recovery		138

Shovel Test	Location from Datum A Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
8	301°/142 Feet	0-10 cm.		No Recovery		139
		10-20 cm.		No Recovery		140
8	301°/142 Feet	20-30 cm.		No Recovery		141
9	315°/147 Feet	0-10 cm.		No Recovery		142
		10-20 cm.		No Recovery		143
		20-30 cm.		No Recovery		144
10	325°/81 Feet	0-10 cm.		No Recovery		145
		10-20 cm.	1	Debitage	MGM	146
		20-30 cm.		No Recovery		147
11	358°/56 Feet	0-10 cm.		No Recovery		148
		10-20 cm.		No Recovery		149
		20-30 cm.		No Recovery		150

TABLE 6.27–4

Summary of Artifact Recovery
Site SDI-12,359

Recovery Category	Surface	Shovel Tests	Total	Percent
Core Tools:				
Core Tools	4	-	4	2.12
Lithic Production Waste:				
Core	1	-	1	0.53
Debitage	22	1	23	12.17
Flakes	150	1	151	79.89
Precision Tools:				
Retouched Debitage	1	-	1	0.53
Retouched Flake	1	-	1	0.53
Utilized Debitage	1	-	1	0.53
Utilized Flakes	7	-	7	3.70
Total	187	2	189	100.00
Percent	98.94	1.06	100.00	

Rounded numbers may not add to 100%.

TABLE 6.27–5

Lithic Tool Measurement Data
Site SDI-12,359

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Core Tools:						
29	Core Tool Fragment	4.7	2.7	2.2	40.1	FGM
36	Core Tool Fragment	5.6	3.4	2.3	46.2	MGM
45	Core Tool Fragment	9.9	5.9	5.5	336.8	FGM
110	Core Tool Fragment	5.6	5.0	2.3	41.8	MGM
Precision Tools:						
Retouched Debitage:						
130	Retouched Debitage	11	8.2	2.2	237.8	MGM
Retouched Flakes:						
15	Retouched Flake Fragment	6.0	4.7	1.2	46.7	FGM
Utilized Debitage:						
61	Utilized Debitage	6.8	3.6	2.6	52.6	FGM
Utilized Flakes:						
6	Utilized Flake	4.6	4.0	1.4	20.9	FGM
42	Utilized Flake	5.8	5.7	2.2	59.5	MGM
55	Utilized Flake	3.8	2.6	1.7	12.2	FGM
58	Utilized Flake	5.0	2.8	1.4	14.0	MGM
62	Utilized Flake	4.8	3.9	2.3	37.4	FGM
101	Utilized Flake	5.5	3.1	1.4	23.0	MGM
120	Utilized Flake Fragment	3.0	2.9	1.1	8.3	FGM

TABLE 6.27–6

Lithic Material Distribution
Site SDI-12,359

Artifact Category	Material: Chalcedony	FGM	MGM	Total	Percent
Core Tools:					
Core Tools	-	2	2	4	2.12
Lithic Production Waste:					
Core	-	-	1	1	0.53
Debitage	-	11	12	23	12.17
Flakes	1	32	118	151	79.89
Precision Tools:					
Retouched Debitage	-	-	1	1	0.53
Retouched Flake	-	1	-	1	0.53
Utilized Debitage	-	1	-	1	0.53
Utilized Flakes	-	4	3	7	3.70
Total	1	51	137	189	100.00
Percent	0.53	26.98	72.49	100.00	

Rounded numbers may not add to 100%.

6.28 Site SDI-12,360

6.28.1 Site Description

This site consists of a lithic scatter located on a lower southwest-trending ridge on the north side of Jamul Valley, immediately north of Site SDI-12,341 near the southwest corner of the project. The site was originally recorded by Ogden in 1991 as a large low-density lithic scatter. The general configuration of the resource is shown in Figure 6.28–1. Elevations at the site range from 550 to 630 feet AMSL. Although areas of the site have been cleared in the past, native vegetation of chamise chaparral still covers most of the site. The setting of the site is shown in a photograph provided in Plate 6.28–1a.

Site SDI-12,360 is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of all surface artifacts, and the excavation of 19 shovel test pits and one test unit. The field investigations were conducted on May 29, 2002.

6.28.2 Previous Investigations

The site was registered by Ogden during a survey conducted in 1991 as a low-density lithic scatter and possible lithic procurement area that measured approximately 225 by 300 meters (Carrico *et al*. 1992). Artifacts observed on the surface of the site included more than 10 cores and 25 metavolcanic flakes and angular waste. No indication of a subsurface deposit was identified by Ogden, although the site was not tested as part of this study.

6.28.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,360 were executed using the standard methodologies described in Section 5.0. Lithic artifacts were recovered from the surface of the site and three artifacts were recovered from 0 to 10 centimeters in the test unit; no evidence of measurable subsurface deposits was identified.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a limited number of surface artifacts. A total of 124 artifacts were recovered from the 72 surface locations that produced artifacts (laboratory analysis revealed that several of the specimens collected from surface locations were not cultural). The recovery is summarized in Table 6.28–1, while detailed provenience information for the surface artifacts is presented in Table 6.28–2. Lithic production waste accounts for 85.48% (N=106) of the collection, while the remaining artifacts consisted of core tools (1.61%; N=2), percussion tools (0.81%; N=1), and precision tools (12.10%; N=15). The artifacts are distributed over a wide area of the southwest-trending ridge. The area of the site, delineated by the artifact scatter, measures approximately 210 meters (690 feet) from southwest to northeast by 144 meters (473

feet) from northwest to southeast, and covers 16,704 square meters (179,737 square feet) (Figure 6.28–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,360 was investigated by excavating a series of 19 STPs. The placement of the STPs, shown in Figure 6.28–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. No artifacts were recovered from the STPs excavated at Site SDI-12,360. Locational and depth information for the shovel tests is presented in Table 6.28–3.

As originally proposed, the testing program included the excavation of a single test unit at Site SDI-12,360. Because all shovel tests were negative, the test unit was placed according to the surface artifact distribution (Figure 6.28–1). The test unit was excavated in standard decimeter levels to 30 centimeters and all removed soils were sifted through 1/8-inch mesh hardware cloth. Excavations resulted in the recovery of three artifacts, all of which were identified as lithic production waste (Table 6.28–4). The maximum depth of recovery was 10 centimeters. The soil profile from Test Unit 1 was characterized as dark grayish brown (10YR 4/2) clay loam to approximately 10 centimeters, underlain by compact dark gray (10YR 4/1) clay. A drawing of the north wall of Test Unit 1 is presented in Figure 6.28–2. A color photograph of the north wall of Test Unit 1 is provided in Plate 6.28–1b.

The excavation of the STPs and test unit determined that a shallow, localized deposit of lithic debris is present at Site SDI-12,360. The lack of artifacts from the shovel tests indicates the deposit is not widespread across the site. The subsurface area is estimated to measure approximately 16 meters (54 feet) by 16 meters (54 feet), and cover 270 square meters (2,909 square feet).

6.28.4 Laboratory Analysis

The laboratory analysis for Site SDI-12,360 included the standard procedures described in Section 5.0 of this report. All artifacts recovered from the field investigations conducted at the site were returned to the laboratory facility of BFSA to be cataloged and analyzed. A summary of artifacts recovered from the site is presented in Table 6.28–5. The recovery from Site SDI-12,360 included 127 artifacts.

Lithic Artifact Analysis

Lithic production waste accounted for the largest category of lithic artifacts, representing 85.83% (N=109) of the lithic artifact collection and included six cores, 14 pieces of debitage or shatter, and 89 flakes. The remaining lithic collection from Site SDI-12,360 consisted of two

core tools (1.57%), one percussion tool (0.79%), and 15 precision tools (11.81%). Measurements of all lithic tools are presented in Table 6.28–6.

The precision tool category included one retouched debitage, three retouched flakes, two scrapers, and nine utilized flakes. The scrapers were identified as one domed scraper and one flake scraper. The percussion tool collection from Site SDI-12,360 included a single hammerstone, while the core tool category included two metavolcanic cores that exhibited utilization on at least one edge. Activities indicated by the artifacts recovered from the site include lithic tool production and maintenance, as well as procurement and processing of plant and/or animal resources. All tools from the site were recovered from the surface of the site.

The material distribution of the lithic assemblage is presented in Table 6.28–7. The material distribution at Site SDI-12,360 is nearly uniform as the collection consists almost entirely of locally available lithic material, particularly that of fine- and medium-grained metavolcanic, which together account for 98.43% (N=125) of the collection. The other lithic category recovered from Site SDI-12,360, quartz, is also locally available and represented 1.57% (N=2) of the lithic assemblage from the site.

6.28.5 Discussion

The testing demonstrated that Site SDI-12,360 consists of a moderate scatter of surface artifacts and a sparse, localized subsurface deposit. The overall site dimensions, identified by the surface scatter and test unit excavation, measure 210 meters (690 feet) by 144 meters (473 feet), and cover 16,704 square meters (179,737 square feet). The subsurface deposit identified at the site is estimated to measure approximately 16 meters (54 feet) by 16 meters (54 feet), and cover 270 square meters (2,909 square feet). Based on the artifacts recovered, the site appears to represent a temporary camp site where lithic tool production and/or maintenance, and possible resource processing, occurred.

Since none of the artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the sparse nature of the subsurface deposit, it is unlikely that further excavation would produce additional data that would allow such a determination. The site exhibits no ecofacts, features, or unique elements. Although several tool types were represented at the site, most of the collection is comprised of lithic production waste. In addition, 97.64% (N=124) of the artifacts recovered from the site were on the surface of the site and all have been collected. The testing of Site SDI-12,360 has exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recovery of information that can contribute to the knowledge of prehistory in the region. However, the current program has exhausted the research potential of the site to yield unique data, and further study will not produce additional significant information.

6.28.6 Summary

The investigation of Site SDI-12,360 did not produce any unique scientific data regarding site function or content. The identified artifacts indicate that site activities were focused primarily on lithic tool production and/or maintenance, as well as resource processing. The site represents one of several temporary camp sites in the area.

Based on the information derived from the testing program, the site is characterized as possessing limited significance according to County of San Diego cultural resource guidelines. The site exhibits a moderate surface scatter of artifacts that has been collected, a sparse, localized deposit composed of only three artifacts, and did not possess any intact features. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,360.

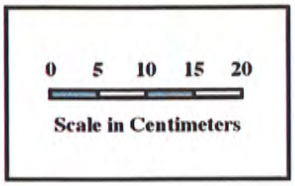
Figure 6.28–1
Excavation Location Map — Site SDI-12,360

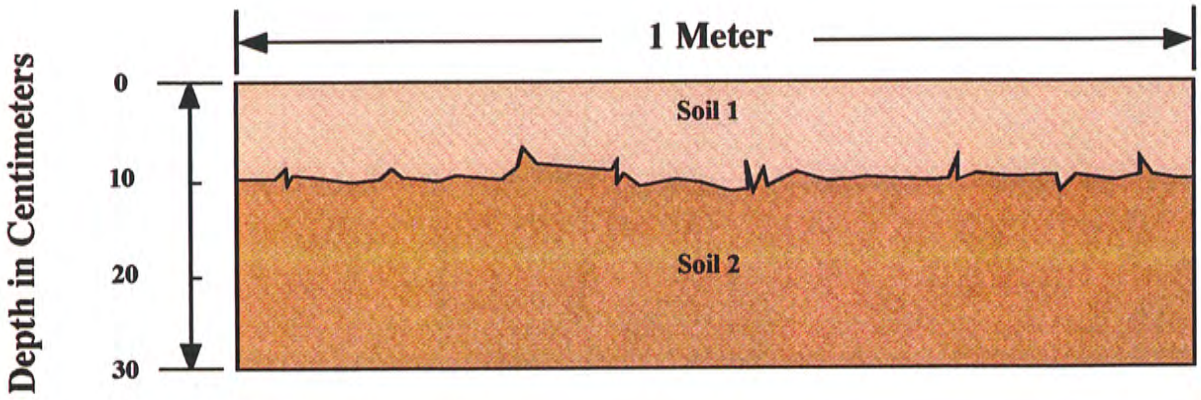
(Deleted for Public Review; Bound Separately)

View of Site SDI-12,360 (arrow) looking northeast.

View of the north profile of Test Unit 1, 0 to 30 centimeters, at Site SDI-12,360.

Plate 6.28–1





Soil Types

1	Dark grayish brown (10YR 4/2) clay loam
2	Compact dark gray (10YR 4/1) clay

Figure 6.28–2
North Wall Profile of Test Unit 1
Site SDI-12,360
The Village 13 Project

TABLE 6.28–1

Summary of Surface Recovery
Site SDI-12,360

Recovery Category	Quantity	Percent
Core Tools:		
Core Tools	2	1.61
Lithic Production Waste:		
Cores	6	4.84
Debitage	14	11.29
Flakes	86	69.35
Percussion Tools:		
Hammerstone	1	0.81
Precision Tools:		
Retouched Debitage	1	0.81
Retouched Flakes	3	2.42
Scrapers	2	1.61
Utilized Flakes	9	7.26
Total	124	100.00

Rounded numbers may not add to 100%.

TABLE 6.28–2

Surface Recovery Data
Site SDI-12,360

Recovery Location	Datum	Location from Datum Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
1	A	21°/44 Feet	1	Retouched Flake	MGM	1
2	A	334°/112 Feet	1	Flake	FGM	2
			1	Debitage	MGM	3
3	A	328°/92 Feet	1	Flake	MGM	4
4	A	317°/130 Feet	1	Utilized Flake Fragment	FGM	5
5	A	311°/176 Feet	1	Debitage	MGM	6
			1	Flake	MGM	7
6	A	312°/266 Feet	1	Domed Scraper	MGM	8
7	A	297°/209 Feet	1	Flake	MGM	9
8	A	307°/155 Feet	1	Debitage	MGM	10
9	A	288°/115 Feet	4	Flakes	FGM	11
			1	Debitage	MGM	12
10	A	278°/139 Feet		Not an Artifact	MGM	13
11	A	287°/174 Feet	1	Flake	MGM	14
12	A	267°/235 Feet		Not an Artifact	FGM	15
				Not an Artifact	MGM	16
			1	Hammerstone Fragment, Undetermined	Quartz	17
13	A	285°/57 Feet		Not an Artifact	FGM	18

Recovery Location	Datum	Location from Datum Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
14	A	251°/232 Feet		Not an Artifact	FGM	19
15	A	238°/240 Feet	1	Flake	MGM	20
16	A	238°/189 Feet		Not an Artifact	MGM	21
17	A	239°/95 Feet	1	Utilized Flake	FGM	22
			1	Flake	FGM	23
18	A	221°/158 Feet	1	Flake	FGM	24
19	A	233°/197 Feet	2	Flakes	FGM	25
20	A	225°/231 Feet	1	Debitage	MGM	26
21	A	220°/194 Feet	1	Flake	FGM	27
22	A	206°/153 Feet	1	Core	FGM	28
23	A	185°/201 Feet	1	Flake Scraper	FGM	29
			1	Utilized Flake	MGM	30
				Not an Artifact	MGM	31
24	A	211°/206 Feet	1	Core	FGM	32
			1	Flake	FGM	33
			1	Core	MGM	34
25	A	153°/74 Feet	1	Core	FGM	35
			1	Debitage	FGM	36
				Not an Artifact	FGM	37
26	A	153°/201 Feet	2	Flakes	FGM	38
27	A	167°/185 Feet	1	Core	MGM	39
28	A	194°/200 Feet		Not an Artifact	MGM	40

Recovery Location	Datum	Location from Datum Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
29	A	189°/226 Feet	1	Utilized Flake	FGM	41
				Not an Artifact	MGM	42
30	A	194°/261 Feet		Not an Artifact	FGM	43
31	A	192°/283 Feet	1	Retouched Flake	MGM	44
32	A	196°/343 Feet		Not an Artifact	MGM	45
33	A	199°/328 Feet	1	Flake	MGM	46
34	A	200°/306 Feet	1	Flake	MGM	47
35	A	96°/70 Feet	3	Flakes	MGM	48
36	A	90°/94 Feet	1	Flake	MGM	49
37	A	89°/121 Feet	4	Flakes	MGM	50
38	A	83°/142 Feet	2	Flakes	FGM	51
39	A	85°/158 Feet	7	Flakes	MGM	52
40	A	92°/167 Feet	1	Core Tool	FGM	53
41	A	82°/178 Feet	1	Utilized Flake	MGM	54
			3	Debitage	MGM	55
			4	Flakes	MGM	56
42	A	91°/291 Feet	1	Core Tool	FGM	57
43	A	82°/273 Feet	1	Flake	FGM	58
44	A	80°/256 Feet	1	Debitage	FGM	59
45	A	105°/269 Feet	1	Retouched Debitage Fragment	MGM	60

Recovery Location	Datum	Location from Datum Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
46	A	45°/138 Feet	1	Debitage	MGM	61
47	A	46°/155 Feet	1	Flake	MGM	62
48	A	47°/193 Feet	1	Utilized Flake	FGM	63
49	A	44°/252 Feet	1	Flake	FGM	64
			1	Flake	MGM	65
50	A	3°/134 Feet	1	Flake	FGM	66
			1	Flake	MGM	67
51	A	334°/18 Feet		Not an Artifact		116
52	A	285°/31 Feet	1	Flake	MGM	117
53	A	240°/3 Feet	1	Debitage	MGM	118
54	A	81°/60 Feet	1	Flake	FGM	119
55	A	84°/141 Feet	1	Flake	MGM	120
56	A	85°/158 Feet	1	Flake	FGM	121
57	A	64°/179 Feet	1	Flake	FGM	122
			1	Flake	MGM	123
58	A	58°/177 Feet	1	Debitage	Quartz	124
59	A	49°/207 Feet	1	Flake	MGM	125
60	B	285°/25 Feet	1	Debitage	FGM	126
			1	Flake	MGM	127
61	B	320°/41 Feet	2	Flakes	MGM	128
62	B	15°/48 Feet	1	Flake	FGM	129

Recovery Location	Datum	Location from Datum Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
63	B	30°/35 Feet	1	Flake	FGM	130
			1	Flake	MGM	131
64	B	345°/4 Feet	1	Core	MGM	132
			1	Flake	MGM	133
65	B	39°/70 Feet	1	Utilized Flake	FGM	134
			1	Flake	FGM	135
66	B	40°/106 Feet	1	Flake	MGM	136
67	B	59°/100 Feet	2	Flakes	MGM	137
68	B	46°/50 Feet	1	Flake	MGM	138
69	B	65°/56 Feet	1	Flake	FGM	139
			1	Retouched Flake	MGM	140
			3	Flakes	MGM	141
70	B	60°/25 Feet	3	Flakes	MGM	142
71	B	81°/120 Feet	1	Utilized Flake Fragment	MGM	143
			1	Flake	MGM	144
72	B	94°/114 Feet		Not an Artifact		145
73	B	126°/94 Feet	1	Flake	FGM	146
			1	Flake	MGM	147
74	B	128°/133 Feet	1	Flake	MGM	148
75	B	134°/153 Feet	1	Flake	FGM	149
76	B	157°/89 Feet	1	Flake	MGM	150
77	B	180°/109 Feet	1	Flake	MGM	151

Recovery Location	Datum	Location from Datum Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
78	B	189°/133 Feet	1	Flake	FGM	152
			2	Flakes	MGM	153
79	B	151°/208 Feet		Not an Artifact		154
80	B	159°/156 Feet	1	Utilized Flake	FGM	155
81	B	181°/193 Feet	1	Flake	MGM	156
82	B	180°/32 Feet	2	Flakes	FGM	157

TABLE 6.28–3

Shovel Test Excavation Data
Site SDI-12,360

Shovel Test	Datum	Location from Datum Azimuth/Range	Depth	Recovery	Cat. No.
1	A	0°/0 Feet	0-10 cm.	No Recovery	68
			10-20 cm.	No Recovery	69
			20-30 cm.	No Recovery	70
2	A	0°/59 Feet	0-10 cm.	No Recovery	71
			10-20 cm.	No Recovery	72
			20-30 cm.	No Recovery	73
3	A	0°/135 Feet	0-10 cm.	No Recovery	74
			10-20 cm.	No Recovery	75
			20-30 cm.	No Recovery	76
4	A	45°/82 Feet	0-10 cm.	No Recovery	77
			10-20 cm.	No Recovery	78
			20-30 cm.	No Recovery	79
5	A	89°/90 Feet	0-10 cm.	No Recovery	80
			10-20 cm.	No Recovery	81
			20-30 cm.	No Recovery	82
6	A	89°/186 Feet	0-10 cm.	No Recovery	83
			10-20 cm.	No Recovery	84
			20-30 cm.	No Recovery	85
7	A	132°/148 Feet	0-10 cm.	No Recovery	86
			10-20 cm.	No Recovery	87
			20-30 cm.	No Recovery	88

Shovel Test	Datum	Location from Datum Azimuth/Range	Depth	Recovery	Cat. No.
8	A	177°/113 Feet	0-10 cm.	No Recovery	89
			10-20 cm.	No Recovery	90
			20-30 cm.	No Recovery	91
9	A	176°/192 Feet	0-10 cm.	No Recovery	92
			10-20 cm.	No Recovery	93
			20-30 cm.	No Recovery	94
10	A	224°/81 Feet	0-10 cm.	No Recovery	95
			10-20 cm.	No Recovery	96
			20-30 cm.	No Recovery	97
11	A	225°/170 Feet	0-10 cm.	No Recovery	98
			10-20 cm.	No Recovery	99
			20-30 cm.	No Recovery	100
12	A	225°/243 Feet	0-10 cm.	No Recovery	101
			10-20 cm.	No Recovery	102
			20-30 cm.	No Recovery	103
13	A	270°/168 Feet	0-10 cm.	No Recovery	104
			10-20 cm.	No Recovery	105
			20-30 cm.	No Recovery	106
14	A	270°/242 Feet	0-10 cm.	No Recovery	107
			10-20 cm.	No Recovery	108
			20-30 cm.	No Recovery	109
15	A	316°/195 Feet	0-10 cm.	No Recovery	110
			10-20 cm.	No Recovery	111
			20-30 cm.	No Recovery	112
16	A	55°/252 Feet	0-10 cm.	No Recovery	158

Shovel Test	Datum	Location from Datum Azimuth/Range	Depth	Recovery	Cat. No.
			10-20 cm.	No Recovery	159
			20-30 cm.	No Recovery	160
17	B	134°/151 Feet	0-10 cm.	No Recovery	161
			10-20 cm.	No Recovery	162
			20-30 cm.	No Recovery	163
18	A	274°/67 Feet	0-10 cm.	No Recovery	164
			10-20 cm.	No Recovery	165
			20-30 cm.	No Recovery	166
19	B	88°/116 Feet	0-10 cm.	No Recovery	167
			10-20 cm.	No Recovery	168
			20-30 cm.	No Recovery	169

TABLE 6.28–4

Test Unit Excavation Data
Site SDI-12,360

Test Unit	Location from Datum A Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
1	82°/147 Feet	0-10 cm.	3	Flakes	FGM	113
		10-20 cm.		No Recovery		114
		20-30 cm.		No Recovery		115

TABLE 6.28–5

Summary of Artifact Recovery
Site SDI-12360

Recovery Category	Surface	Shovel Tests	Test Units	Total	Percent
Core Tools:					
Core Tools	2	-	-	2	1.57
Lithic Production Waste:					
Cores	6	-	-	6	4.72
Debitage	14	-	-	14	11.02
Flakes	86	-	3	89	70.08
Percussion Tools:					
Hammerstone	1	-	-	1	0.79
Precision Tools:					
Retouched Debitage	1	-	-	1	0.79
Retouched Flakes	3	-	-	3	2.36
Scrapers	2	-	-	2	1.57
Utilized Flakes	9	-	-	9	7.09
Total	124	0	3	127	100.00
Percent	97.64	0.00	2.36	100.00	

Rounded numbers may not add to 100%.

TABLE 6.28–6

Lithic Tool Measurement Data
Site SDI-12,360

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Core Tools:						
53	Core Tool	9.8	7.2	4.5	300.6	FGM
57	Core Tool	7.2	5.2	3.6	132.6	FGM
Percussion Tools:						
Hammerstones:						
17	Hammerstone Fragment, Undetermined	5.2	4.6	2.6	82.1	Quartz
Precision Tools:						
Retouched Debitage:						
60	Retouched Debitage Fragment	5.3	3.2	1.8	26.4	MGM
Retouched Flakes:						
33	Retouched Flake	8.5	7.8	2.6	170.6	MGM
44	Retouched Flake	4.5	4.4	1.6	25.7	MGM
140	Retouched Flake	5.8	3.4	1.0	20.0	MGM
Scrapers:						
8	Domed Scraper	10.3	9.4	6.6	946.6	MGM
29	Flake Scraper	5.8	3.6	2.0	35.9	FGM
Utilized Flakes:						
5	Utilized Flake Fragment	4.5	2.4	1.1	13.3	FGM
22	Utilized Flake	6.2	3.1	1.2	19.8	FGM
30	Utilized Flake	7.4	6.3	2.7	103.7	MGM
41	Utilized Flake	4.1	3.6	1.3	24.9	FGM
54	Utilized Flake	6.9	5.9	2.0	82.2	MGM
63	Utilized Flake	5.4	3.4	1.6	33.4	FGM
134	Utilized Flake	7.9	5.0	2.2	62.1	FGM
143	Utilized Flake Fragment	5.4	3.4	1.6	31.8	MGM
155	Utilized Flake	8.7	4.9	1.6	65.9	FGM

TABLE 6.28–7

Lithic Material Distribution
Site SDI-12,360

Artifact Category	Material FGM	MGM	Quartz	Total	Percent
Core Tools:					
Core Tools	2	-	-	2	1.57
Lithic Production Waste:					
Cores	3	3	-	6	4.72
Debitage	3	10	1	14	11.02
Flakes	33	56	-	89	70.08
Percussion Tools:					
Hammerstone	-	-	1	1	0.79
Precision Tools:					
Retouched Debitage	-	1	-	1	0.79
Retouched Flakes	-	3	-	3	2.36
Scrapers	1	1	-	2	1.57
Utilized Flakes	6	3	-	9	7.09
Total	48	77	2	127	100.00
Percent	37.80	60.63	1.57	100.00	

Rounded numbers may not add to 100%.

6.29 Site SDI-12,361

6.29.1 Site Description

This site consists of a small lithic scatter located on a low slightly sloping west facing ridge directly east of Otay Lakes Road and south of a seasonal drainage along the western edge of the project. The site was originally recorded by Ogden in 1991 as a low-density lithic scatter. The general configuration of the resource is shown in Figure 6.29–1. Elevations at the site range from 515 to 570 feet AMSL. Native vegetation at the site consists of chamise chaparral, although areas west of the site have been brushed. A graded dirt road borders the southwest edge of the site but does not appear to have disturbed the site. The setting of the site is shown in a photograph provided in Plate 6.29–1.

Site SDI-12,361 is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of all surface artifacts and the excavation of five shovel test pits. The field investigations were conducted on May 16, 2002.

6.29.2 Previous Investigations

The site was registered by Ogden during a survey conducted in 1991, as a low-density lithic scatter that measured approximately 250 by 200 meters (Carrico *et al*. 1992). Artifacts observed on the surface of the site included two core tools, one core, and three fragments metavolcanic lithic production waste. No features or indication of a subsurface deposit was identified by Ogden, although the site was not tested as part of that study.

6.29.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,361 were executed using the standard methodologies described in Section 5.0. Lithic artifacts were recovered from the surface of the site; subsurface investigations resulted in the conclusion that no subsurface deposits are present at the site.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a limited number of surface artifacts. A total of 18 artifacts were recovered from the 13 surface locations that produced artifacts (laboratory analysis revealed that several of the specimens collected from surface locations were not cultural). The recovery is summarized in Table 6.29–1, while detailed provenience information for the surface artifacts is presented in Table 6.29–2. Lithic production waste accounts for 44.44% (N=8) of the collection, while the remaining artifacts (N=10) consisted of core tools (16.67%; N=3), percussion tools (16.67%; N=3) and precision tools (22.22%; N=4). The surface artifacts were widely distributed across the site with no obvious concentration of specimens. The area of the site, delineated by

the artifact scatter, measures approximately 191 meters (626 feet) from north to south by 96 meters (315 feet) from west to east, and covers 3,648 square meters (39,254 square feet) (Figure 6.29–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,361 was investigated by excavating a series of five STPs. The placement of the STPs, shown in Figure 6.29–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. No artifacts were recovered from the STPs excavated at Site SDI-12,361. Locational and depth information for the shovel tests is presented in Table 6.29–3.

Due to the lack of evidence for a subsurface deposit, a test unit was not excavated at Site SDI-12,361 as part of the testing program. The excavation of the STPs determined that no subsurface deposits are present at Site SDI-12,361.

6.29.4 Discussion

The testing demonstrated that Site SDI-12,361 consists of a scatter of lithic artifacts on the surface of the site; no subsurface cultural deposit was identified. The overall site dimensions, identified by the surface scatter, measure 191 meters (626 feet) by 96 meters (315 feet), and cover 3,648 square meters (39,254 square feet). The artifacts recovered from Site SDI-12,361 consisted of eight pieces of lithic production waste, three hammerstones, three core tools, one retouched flake, one utilized piece of debitage, and two utilized flakes. All artifacts collected from Site SDI-12,361 were derived from locally available fine- or medium-grained metavolcanics (Table 6.29–2). Measurements of all lithic tools are presented in Table 6.29–4.

The site appears to represent a small temporary camp where a limited amount of lithic tool production and/or maintenance and resource processing occurred. Since none of the artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the nature of the surface scatter and the lack of a subsurface deposit, it is unlikely that further excavation would produce additional data that would allow such a determination. The site exhibits no ecofacts, features, or unique elements. The mapping and collection of surface artifacts have exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recovery of information that can contribute to the knowledge of prehistory in the region. However, the current program has exhausted the research potential of the site to yield unique data, and further study will not produce additional significant information.

6.29.5 Summary

The investigation of Site SDI-12,361 did not produce any unique scientific data regarding site function or content. The identified artifacts indicate that site activities were focused primarily on a limited amount of lithic tool production and resource processing. The site represents one of several temporary camp sites in the area.

Based on the information derived from the testing program, the site is characterized as possessing limited significance according to County of San Diego cultural resource guidelines. The site exhibits a sparse artifact scatter that has been collected, and did not possess any segregated special use areas, features, or unique elements. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,361.

Figure 6.29–1
Excavation Location Map — Site SDI-12,361

(Deleted for Public Review; Bound Separately)

View of Site SDI-12,361 looking northwest (arrow identifies Datum A).

Plate 6.29–1

TABLE 6.29–1

Summary of Surface Recovery
Site SDI-12,361

Recovery Category	Quantity	Percent
Core Tools:		
Core Tools	3	16.67
Lithic Production Waste:		
Debitage	1	5.56
Flakes	7	38.89
Percussion Tools:		
Hammerstones	3	16.67
Precision Tools:		
Retouched Flake	1	5.56
Utilized Debitage	1	5.56
Utilized Flakes	2	11.11
Total	18	100.00

Rounded numbers may not add to 100%.

TABLE 6.29–2

Surface Recovery Data
Site SDI-12,361

Recovery Location	Location from Datum A Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
1	323°/149 Feet	1	Flake	FGM	1
		1	Flake	MGM	2
2	106°/82 Feet		Not an Artifact		3
3	99°/119 Feet	1	Debitage	FGM	4
		1	Hammerstone Fragment, Undetermined	MGM	5
4	107°/129 Feet	1	Utilized Flake	FGM	6
5	107°/154 Feet	1	Flake	FGM	7
6	99°/161 Feet	1	Retouched Flake Fragment	FGM	8
		1	Core Tool	MGM	9
7	84°/145 Feet	1	Hammerstone, Circular	FGM	10
8	93°/205 Feet	1	Flake	MGM	11
9	86°/129 Feet	1	Flake	FGM	12
10	176°/337 Feet	1	Core Tool	FGM	13
		1	Utilized Debitage	FGM	14
11	173°/306 Feet	1	Core Tool	MGM	15
12	224°/141 Feet	1	Flake	FGM	16
13	347°/280 Feet	1	Flake	FGM	17
		1	Utilized Flake	MGM	18
14	113°/57 Feet	1	Hammerstone, Spherical	MGM	19

TABLE 6.29–3

Shovel Test Excavation Data
Site SDI-12,361

Shovel Test	Location from Datum A Azimuth/Range	Depth	Recovery	Cat. No.
1	0°/0 Feet	0-10 cm.	No Recovery	20
		10-20 cm.	No Recovery	21
		20-30 cm.	No Recovery	22
2	171°/351 Feet	0-10 cm.	No Recovery	23
		10-20 cm.	No Recovery	24
		20-30 cm.	No Recovery	25
3	266°/144 Feet	0-10 cm.	No Recovery	26
		10-20 cm.	No Recovery	27
		20-30 cm.	No Recovery	28
4	346°/114 Feet	0-10 cm.	No Recovery	29
		10-20 cm.	No Recovery	30
		20-30 cm.	No Recovery	31
5	84°/162 Feet	0-10 cm.	No Recovery	32
		10-20 cm.	No Recovery	33
		20-30 cm.	No Recovery	34

TABLE 6.29–4

Lithic Tool Measurement Data
Site SDI-12,361

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Core Tools:						
9	Core Tool	10.2	7.8	3.3	284.3	MGM
13	Core Tool	8.2	5.5	4.2	182.4	FGM
15	Core Tool	7.8	5.8	3.5	150.8	MGM
Percussion Tools:						
Hammerstones:						
5	Hammerstone Fragment, Undetermined	8.2	6.0	2.1	102.0	MGM
10	Hammerstone, Circular	6.5	5.8	4.1	139.4	FGM
19	Hammerstone, Spherical	8.5	8.4	5.8	552.0	MGM
Precision Tools:						
Retouched Flakes:						
8	Retouched Flake Fragment	9.1	5.0	2.7	125.1	FGM
Utilized Debitage:						
14	Utilized Debitage	7.6	6.3	3.8	174.7	FGM
Utilized Flakes:						
6	Utilized Flake	6.0	5.0	1.9	58.6	FGM
18	Utilized Flake	9.1	8.5	3.7	306.2	MGM

6.30 Site SDI-12,362/H

6.30.1 Site Description

This site consists of a dispersed lithic scatter located on the lower slopes of a southwest-trending ridge directly east of Otay Lakes Road, between two seasonal drainages and north of Site SDI-12,361, along the western edge of the project. The site was originally recorded by Ogden in 1991 as a low-density lithic scatter. The general configuration of the resource is shown in Figure 6.30–1. Elevations at the site range from 520 to 590 feet AMSL. A dirt road passes through the southwest corner of the site and a modern shed, water tank, and animal pens are present at the eastern edge of the site. Native vegetation at the site consists of various chamise chaparral species, although large portions of the site have been brushed. These various factors have resulted in a heavily disturbed, very dispersed surface scatter. The setting of the site is shown in a photograph provided in Plate 6.30–1.

Site SDI-12,362/H is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of all surface artifacts and the excavation of ten shovel test pits. The field investigations were conducted on May 20, 2002.

6.30.2 Previous Investigations

Ogden registered the site during a survey conducted in 1991, as a low-density lithic scatter that measured approximately 300 by 300 meters (Carrico et al. 1992). Artifacts observed on the surface of the site included one core, ten fragments metavolcanic lithic production waste, and a broken purple glass bottle. The presence of the glass bottle was responsible for the historic designation of the site. Ogden identified no indication of a feature or subsurface deposit, although the site was not tested as part of that study.

6.30.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,362/H were executed using the standard methodologies described in Section 5.0. Lithic artifacts were recovered from the surface of the site; subsurface investigations resulted in the conclusion that no subsurface deposits are present at the site.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a minimal number of surface artifacts. A total of 11 artifacts were recovered from the surface of the site from nine different surface locations. The recovery is summarized in Table 6.30–1, while detailed provenience information for the surface artifacts is presented in Table 6.30–2. Most of the recovered artifacts were identified as lithic production waste (90.91%; N=10), although a single multi-use hammer/core was also recovered (9.09%).

As mentioned above, the artifacts are widely distributed across the site. The broken bottle identified by Ogden was identified in the extreme southeast corner of the site (S10 in Figure 6.30–1), but no other historic artifacts or features were observed. The area of the site, delineated by the artifact scatter, measures approximately 315 meters (1,032 feet) from northwest to southeast by 241 meters (790 feet) from southwest to northeast, and covers 25,110 square meters (270,188 square feet) (Figure 6.30–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,362/H was investigated by excavating a series of ten STPs. The placement of the STPs, shown in Figure 6.30–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. No artifacts, historic or prehistoric, were recovered from the STPs excavated at Site SDI-12,362/H. Locational and depth information for the shovel tests is presented in Table 6.30–3.

Due to the lack of evidence for a subsurface deposit, a test unit was not excavated at Site SDI-12,362/H as part of the testing program. The excavation of the STPs determined that no subsurface deposits are present at Site SDI-12,362/H.

6.30.4 Discussion

The testing demonstrated that Site SDI-12,362/H consists of a scatter of lithic artifacts on the surface of the site; no subsurface cultural deposit was identified. In addition, an isolated historic element, a broken bottle, was also collected. The overall site dimensions, identified by the surface scatter, measure 315 meters (1,032 feet) by 241 meters (790 feet), and covers 25,110 square meters (270,188 square feet) (Figure 6.30–1). The artifacts recovered from Site SDI-12,362/H consisted of 10 pieces of lithic production waste and a single multi-use hammer/core, the measurements of which are provided in Table 6.30–4. All prehistoric artifacts collected from Site SDI-12,362/H were derived from locally available fine- or medium-grained metavolcanics (Table 6.30–2). The bottle fragments were all collected from the same surface location and were all solarized (purple) glass fragments, presumably from the same container. The solarized or purple glass dates to the post-World War I period. The glass bottle fragments did not have any product markings.

The site appears to represent a prehistoric limited-use site where lithic tool production and/or maintenance occurred. Since none of the prehistoric artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the nature of the surface scatter and the lack of a subsurface deposit, it is unlikely that further excavation would produce additional data that would allow such a determination. The broken historic bottle does not represent an historic deposit but rather an isolated find, since no other historic remains were identified at the site. The site exhibits no ecofacts, features, or unique

elements. The mapping and collection of all surface artifacts have exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recover of information that can contribute to the knowledge of prehistory in the region. However, the current program has exhausted the potential of the site to yield unique data and further study will not produce additional significant information.

6.30.5 Summary

The investigation of Site SDI-12,362/H did not produce any unique scientific data regarding site function or content. The identified artifacts indicate that site activities were focused primarily on a limited amount of lithic tool production. The site represents one of several limited-use lithic manufacturing and/or maintenance sites in the area.

Based on the information derived from the testing program, the site is characterized as possessing limited significance according to County of San Diego cultural resource guidelines. The site exhibits a sparse artifact scatter that has been collected, and did not possess any segregated special use areas, features, or unique elements. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,362/H.

Figure 6.30–1
Excavation Location Map — Site SDI-12,362/H

(Deleted for Public Review; Bound Separately)

View of Site SDI-12,362/H looking southeast (center, right of farm buildings).

Plate 6.30–1

TABLE 6.30–1

Summary of Surface Recovery
Site SDI-12,362/H

Recovery Category	Quantity*	Percent
Lithic Production Waste:		
Debitage	2	18.18
Flakes	8	72.73
Multi-Use Tool:		
Hammer/Core	1	9.09
Total	11	100.00

Rounded numbers may not add to 100%.

*In addition, a single historic bottle (fragmented) was also recovered from the surface of the site.

TABLE 6.30–2

Surface Recovery Data
Site SDI-12,362/H

Recovery Location	Location from Datum A Azimuth/Range	Quantity	Recovery	Material	Cat. No.
1	130°/80 Feet	1	Flake	FGM	1
2	263°/280 Feet	1	Flake	FGM	2
3	225°/437 Feet	1	Debitage	FGM	3
4	240°/582 Feet	1	Flake	FGM	4
5	252°/492 Feet	1	Flake	FGM	5
		1	Flake	MGM	6
6	245°/726 Feet	1	Debitage	FGM	7
7	272°/689 Feet	1	Flake	FGM	8
8	272°/513 Feet	1	Flake	FGM	9
9	194°/856 Feet	1	Flake	FGM	40
		1	Hammer/Core	MGM	41
10	193°/850 Feet	1	Bottle (fragmented)	Solarized Glass	42

TABLE 6.30–3

Shovel Test Excavation Data
Site SDI-12,362/H

Shovel Test	Location from Datum A Azimuth/Range	Depth	Recovery	Cat. No.
1	0°/0 Feet	0-10 cm.	No Recovery	10
		10-20 cm.	No Recovery	11
		20-30 cm.	No Recovery	12
2	345°/45 Feet	0-10 cm.	No Recovery	13
		10-20 cm.	No Recovery	14
		20-30 cm.	No Recovery	15
3	76°/59 Feet	0-10 cm.	No Recovery	16
		10-20 cm.	No Recovery	17
		20-30 cm.	No Recovery	18
4	78°/147 Feet	0-10 cm.	No Recovery	19
		10-20 cm.	No Recovery	20
		20-30 cm.	No Recovery	21
5	165°/85 Feet	0-10 cm.	No Recovery	22
		10-20 cm.	No Recovery	23
		20-30 cm.	No Recovery	24
6	165°/170 Feet	0-10 cm.	No Recovery	25
		10-20 cm.	No Recovery	26
		20-30 cm.	No Recovery	27
7	260°/70 Feet	0-10 cm.	No Recovery	28
		10-20 cm.	No Recovery	29
		20-30 cm.	No Recovery	30

Shovel Test	Location from Datum A Azimuth/Range	Depth	Recovery	Cat. No.
8	260°/181 Feet	0-10 cm.	No Recovery	31
		10-20 cm.	No Recovery	32
		20-30 cm.	No Recovery	33
9	260°/291 Feet	0-10 cm.	No Recovery	34
		10-20 cm.	No Recovery	35
		20-30 cm.	No Recovery	36
10	260°/408 Feet	0-10 cm.	No Recovery	37
		10-20 cm.	No Recovery	38
		20-30 cm.	No Recovery	39

TABLE 6.30–4

Lithic Tool Measurement Data
Site SDI-12,362/H

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Multi-Use Tool:						
41	Hammer/Core	16.8	11.2	9.7	1,853.8	MGM

6.31 Site SDI-12,363

6.31.1 Site Description

This site consists of a lithic scatter located in a seasonal drainage on the lower southwest slopes of the Jamul Mountains, east of Upper Otay Lakes Reservoir, in the western half of the project. The site was originally recorded by Ogden in 1991 as a flaking station. The general configuration of the resource is shown in Figure 6.31–1. Elevations at the site range from 570 to 590 feet AMSL. Native vegetation at the site consists of chamise chaparral. The site has not been impacted. The setting of the site is shown in a photograph provided in Plate 6.31–1a.

Site SDI-12,363 is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of surface artifacts, and the excavation of 10 shovel test pits and one test unit. The field investigations were conducted on September 18, 2002.

6.31.2 Previous Investigations

Ogden registered the site during a survey conducted in 1991 as a flaking station consisted of a lithic scatter and cobble outcrop that measured approximately 20 by 20 meters (Carrico *et al*. 1992). Artifacts observed on the surface of the site included approximately 20 metavolcanic flakes. Ogden identified no evidence of a subsurface deposit, although the site was not tested as part of that study.

6.31.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,363 were executed using the standard methodologies described in Section 5.0. Lithic artifacts were recovered from surface and subsurface contexts.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a number of surface artifacts. A total of 74 artifacts were recovered from the 34 individual surface locations that produced artifacts (laboratory analysis revealed that several of the specimens collected from surface locations were not cultural). The surface artifact collection is summarized in Table 6.31–1, while detailed provenience information for the surface artifacts is presented in Table 6.31–2.

Lithic production waste accounts for 86.49% (N=64) of the collection, while the remaining nine artifacts consisted of two core tools (2.70%), one percussion tool (1.35%), and seven precision tools (9.46%). Many of the surface artifacts fall within or adjacent to the drainage (Figure 6.31–1). The area of the site, delineated by the artifact scatter, measures approximately 128 meters (420 feet) from southwest to northeast by 76 meters (250 feet) from northwest to southeast, and covers 5,477 square meters (58,934 square feet) (Figure 6.24–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,363 was investigated by excavating a series of 10 STPs. The placement of the STPs, shown in Figure 6.31–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. The recovery from the STPs consisted of five artifacts, all identified as lithic production waste. Locational and recovery information for the shovel tests is presented in Table 6.31–3. The recovery of the five pieces of lithic production waste was from two locations—two from STP 2 and three from STP 3. The maximum depth of recovery in the two STPs was 10 centimeters below the surface.

The testing program included the excavation of a single test unit at Site SDI-12,363. The test unit was placed based on the positive shovel tests (Figure 6.31–1). The unit was excavated in standard decimeter levels to 40 centimeters and all removed soils were sifted through 1/8-inch mesh hardware cloth. Excavations resulted in the recovery of 149 artifacts, all identified as lithic production waste (Tables 6.31–4 and 6.31-5). The maximum depth of recovery was 30 centimeters. The soil profile from Test Unit 1 revealed an upper layer of very dark grayish brown (10YR 3/2) organic loam underlain by a dark grayish brown to grayish brown (10YR 4/2 to 5/2) sandy loam; the lowest soil encountered in the test unit excavations was a grayish brown (10YR 5/2) coarse sandy loam with gravel and rock inclusions. A drawing of the north wall of Test Unit 1 is presented in Figure 6.31–2. A color photograph of the north wall of Test Unit 1 is provided in Plate 6.31–1b.

The excavation of the STPs and test unit determined that the site exhibits a localized subsurface deposit consisting entirely of lithic production waste. Based on the excavations, the dimensions of the subsurface deposit are estimated to be approximately 42 meters (138 feet) from southwest to northeast by nine meters (30 feet) from northwest to southeast, and cover approximately 350 square meters (3,762 square feet). The subsurface falls within the narrow finger between the two small drainages (Figure 6.31–1). The lack of variety in the artifacts present in the subsurface deposit, as well as the fact that the deposit is limited to the area directly adjacent to the quarrying area and is present across the site, resulted in the determination that the deposit is not substantial.

6.31.4 Laboratory Analysis

The laboratory analysis for Site SDI-12,363 included the standard procedures described in Section 5.0 of this report. All artifacts recovered from the field investigations conducted at the site were returned to the laboratory facility of BFSA to be cataloged and analyzed. A summary of artifacts recovered from the site is presented in Table 6.31–6. The recovery from Site SDI-12,363 included 228 lithic artifacts.

Lithic Artifact Analysis

Lithic production waste accounted for the largest category of lithic artifacts, representing 95.61% (N=218) of the lithic artifact collection and included one core, 43 pieces of debitage or shatter, and 174 flakes. The remaining lithic collection from Site SDI-12,363 consisted of two core tools (0.88%), one percussion tool (0.44%), and seven precision tools (3.07%). Measurements of all lithic tools are presented in Table 6.31–7.

The artifacts identified as core tools are generally cores with some evidence of retouch or utilization on at least one edge of the artifact, but not enough so that the artifact can be classified as a specific precision or multi-use tool. Two core tools were recovered from Site SDI-12,363. The percussion tool from Site SDI-12,363 was identified as a chopper, which exhibits bifacial sharpening of a single edge by the removal of large flakes that created a jagged edge. Battering is evident on this edge. Finally, the precision tool category included one piece of retouched debitage and six pieces of utilized lithic production waste. Activities indicated by the artifacts recovered from the site include lithic tool production and maintenance, as well as processing of plant and/or animal resources represented by the precision tools.

Most of the artifacts collected from Site SDI-12,363 were derived from fine- or medium-grained metavolcanics, although a single fragment of quartz was also recovered (Tables 6.14–2, 6.14–3, and 6.14–5). All lithic materials observed at the site were locally available.

6.31.5 Discussion

The testing demonstrated that Site SDI-12,363 consists of a scatter of surface artifacts with a localized subsurface deposit. The overall site dimensions, identified by the surface scatter and positive subsurface excavation, measure 128 meters (420 feet) by 76 meters (250 feet), and cover 5,477 square meters (58,934 square feet). The dimensions of the subsurface deposit measure 42 meters (138 feet) by nine meters (30 feet), and cover approximately 350 square meters (3,762 square feet). Based on the artifacts recovered, lithic tool production and/or maintenance, and animal and/or plant resource processing, occurred at the site.

Since none of the artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the localized nature of the subsurface deposit, and the lack of artifact variability in the subsurface deposit, it is unlikely that further excavation would produce additional data that would allow such a determination. The site exhibits no ecofacts, features, or unique elements. Although several tool types were represented at the site, most of the collection is comprised of lithic production waste. In addition, 100% (N=10) of the tools recovered from the site were on the surface of the site. The testing of Site SDI-12,363, including the sampling of the surface artifacts, has exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recover of information that can contribute to the knowledge of prehistory in the region.

However, the current program has exhausted the potential of the site to yield unique data and further study will not produce additional significant information.

6.31.6 Summary

The investigation of Site SDI-12,363 did not produce any unique scientific data regarding site function or content. The identified artifacts indicate that site activities were focused primarily on lithic tool production and/or maintenance; a small amount of animal and/or plant resource processing may also have occurred based on the presence of several precision tools. The site represents one of several limited-use lithic manufacturing and temporary campsites in the area.

Based on the information derived from the testing program, the site is characterized as possessing limited significance according County of San Diego cultural resource guidelines. The site exhibits a surface scatter and localized subsurface deposit that is dominated by lithic production waste; the surface scatter has been collected and no features were identified. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,363.

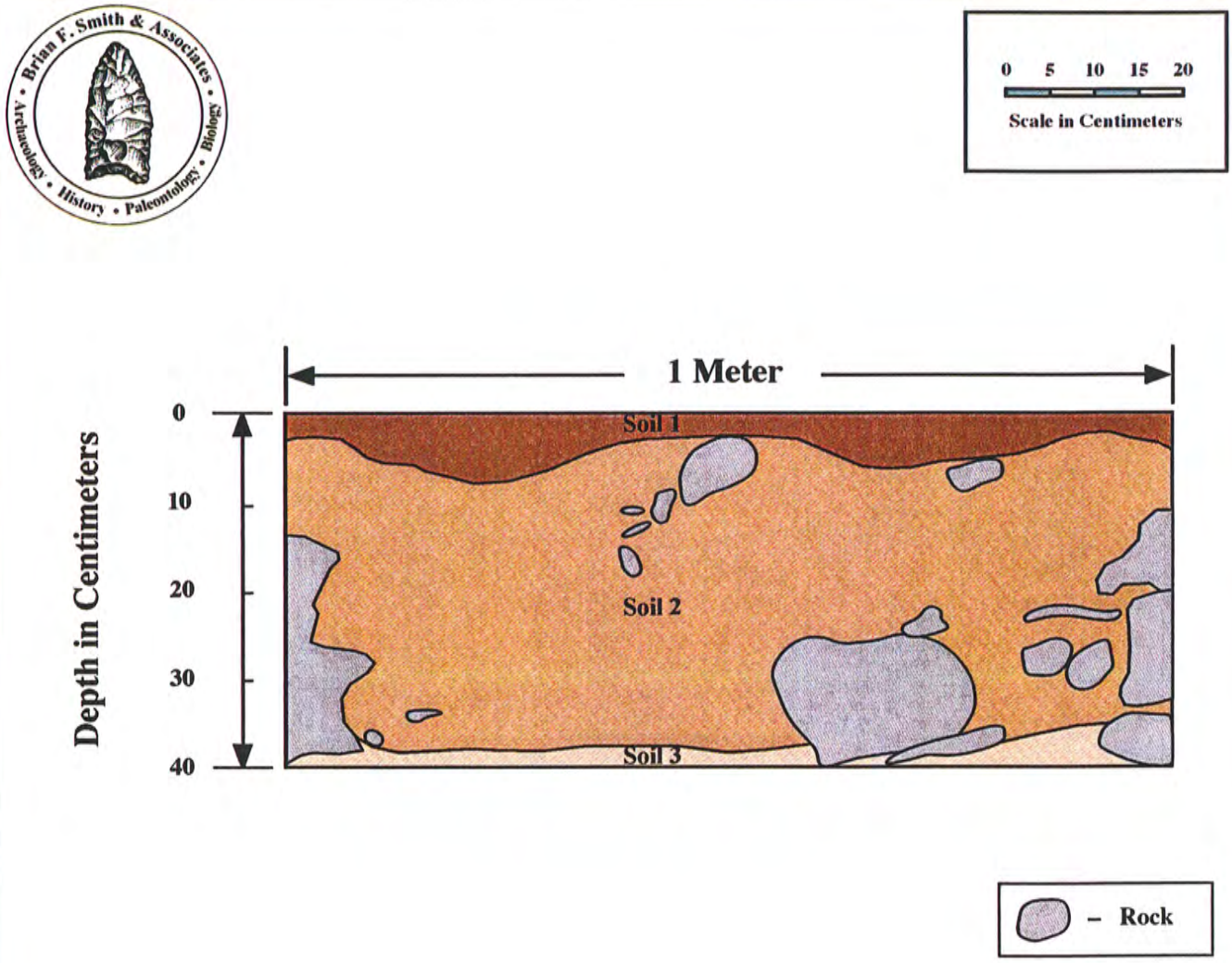
Figure 6.31–1
Excavation Location Map — Site SDI-12,363

(Deleted for Public Review; Bound Separately)

View of Site SDI-12,363 (located where drainages meet, left of center) looking southwest.

View of the north profile of Test Unit 1, 0 to 40 centimeters, at Site SDI-12,363.

Plate 6.31–1



Soil Types

1 Very dark grayish brown (10YR 3/2) organic loam

2 Dark grayish brown to grayish brown (10YR 4/2 to 5/2) sandy loam

3 Grayish brown (10YR 5/2) coarse sandy loam with gravel and rock inclusions

Figure 6.31–2
North Wall Profile of Test Unit 1
Site SDI-12,363
The Village 13 Project

TABLE 6.31–1

Summary of Surface Recovery
Site SDI-12,363

Recovery Category	Quantity	Percent
Core Tools:		
Core Tools	2	2.70
Lithic Production Waste:		
Core	1	1.35
Debitage	13	17.57
Flakes	50	67.57
Percussion Tools:		
Chopper	1	1.35
Precision Tools:		
Retouched Debitage	1	1.35
Utilized Debitage	1	1.35
Utilized Flakes	5	6.76
Total	74	100.00

Rounded numbers may not add to 100%.

TABLE 6.31–2

Surface Recovery Data
Site SDI-12,363

Recovery Location	Location from Datum A Azimuth/Range	Quantity	Recovery	Material	Cat. No.
1	272°/34 Feet	1	Debitage	FGM	1
		1	Flake	FGM	2
		2	Flakes	MGM	3
2	223°/14 Feet		Not an Artifact		4
3	130°/17 Feet		Not an Artifact		5
4	142°/32 Feet	1	Flake	FGM	6
5	147°/65 Feet	1	Flake	MGM	7
6	156°/73 Feet	1	Utilized Flake	MGM	8
		2	Flakes	MGM	9
7	168°/54 Feet	1	Flake	FGM	10
		1	Retouched Debitage	MGM	11
		1	Flake	MGM	12
8	191°/56 Feet	1	Utilized Flake	FGM	13
		1	Utilized Debitage	MGM	14
		1	Flake	MGM	15
9	214°/62 Feet	2	Flakes	MGM	16
10	216°/91 Feet	1	Utilized Flake	FGM	17
11	226°/84 Feet	1	Debitage	MGM	18
12	254°/128 Feet	1	Flake	FGM	19
13	247°/162 Feet	2	Flakes	MGM	20
14	250°/72 Feet	1	Flake	MGM	21
15	252°/55 Feet	1	Flake	MGM	22
16	12°/32 Feet	1	Core Tool	MGM	23
17	43°/120 Feet	1	Flake	MGM	24

Recovery Location	Location from Datum A Azimuth/Range	Quantity	Recovery	Material	Cat. No.
18	32°/114 Feet	1	Flake	FGM	25
19	64°/87 Feet	1	Debitage	MGM	26
20	69°/90 Feet	2	Flakes	FGM	27
21	68°/104 Feet	2	Debitage	FGM	28
		6	Flakes	FGM	29
22	72°/106 Feet	2	Debitage	FGM	30
		4	Flakes	FGM	31
		4	Flakes	MGM	32
23	77°/96 Feet	1	Debitage	FGM	33
		2	Flakes	FGM	34
		1	Flake	MGM	35
24	62°/148 Feet	1	Chopper	FGM	36
25	61°/235 Feet	1	Flake	FGM	37
26	155°/92 Feet	1	Debitage	FGM	38
		1	Flake	FGM	39
		1	Flake	MGM	40
27	147°/114 Feet	2	Debitage	FGM	41
		2	Flakes	MGM	42
28	142°/194 Feet	1	Debitage	MGM	43
		1	Flake	MGM	44
29	154°/185 Feet	1	Flake	MGM	45
30	154°/131 Feet	1	Utilized Flake	MGM	46
31	164°/123 Feet	1	Flake	MGM	47
32	183°/91 Feet	1	Core Tool	MGM	48
33	163°/85 Feet	1	Utilized Flake	MGM	49
		1	Flake	MGM	50
34	171°/33 Feet	1	Core	MGM	51
35	76°/33 Feet	1	Flake	FGM	52
		1	Flake	MGM	53
		1	Debitage	Quartz	54
36	36°/188 Feet	1	Flake	MGM	55

TABLE 6.31–3

Shovel Test Excavation Data
Site SDI-12,363

Shovel Test	Location from Datum A Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
1	114°/11 Feet	0-10 cm.		No Recovery		56
		10-20 cm.		No Recovery		57
		20-30 cm.		No Recovery		58
2	76°/80 Feet	0-10 cm.	1	Debitage	FGM	59
			1	Flake	MGM	60
		10-20 cm.		No Recovery		61
		20-30 cm.		No Recovery		62
3	63°/140 Feet	0-10 cm.	3	Flakes	MGM	63
		10-20 cm.		No Recovery		64
		20-30 cm.		No Recovery		65
4	56°/203 Feet	0-10 cm.		No Recovery		66
		10-20 cm.		No Recovery		67
		20-30 cm.		No Recovery		68
5	149°/62 Feet	0-10 cm.		No Recovery		69
		10-20 cm.		No Recovery		70
		20-30 cm.		No Recovery		71
6	144°/112 Feet	0-10 cm.		No Recovery		72
		10-20 cm.		No Recovery		73
		20-30 cm.		No Recovery		74
7	159°/162 Feet	0-10 cm.		No Recovery		75
		10-20 cm.		No Recovery		76
		20-30 cm.		No Recovery		77
8	167°/123 Feet	0-10 cm.		No Recovery		78
		10-20 cm.		No Recovery		79
		20-30 cm.		No Recovery		80

Shovel Test	Location from Datum A Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
9	202°/53 Feet	0-10 cm.		No Recovery		81
		10-20 cm.		No Recovery		82
		20-30 cm.		No Recovery		83
10	233°/80 Feet	0-10 cm.		No Recovery		84
		10-20 cm.		No Recovery		85
		20-30 cm.		No Recovery		86

TABLE 6.31–4

Summary of Test Unit Recovery
Site SDI-12,363

Artifact Category	Depth (in centimeters) 0-10	10-20	20-30	30-40	Total	Percent
Lithic Production Waste:						
Debitage	21	5	3	-	29	19.46
Flakes	96	16	8	-	120	80.54
Total	117	21	11	0	149	100.00
Percent	78.52	14.09	7.38	0.00	100.00	

Rounded numbers may not add to 100%.

TABLE 6.31–5

Test Unit Excavation Data
Site SDI-12,363

Test Unit	Location from Datum A Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
1	75°/99 Feet	0-10 cm.	17	Debitage	FGM	87
			70	Flakes	FGM	88
			4	Debitage	MGM	89
			26	Flakes	MGM	90
		10-20 cm.	5	Debitage	FGM	91
			14	Flakes	FGM	92
			2	Flakes	MGM	93
		20-30 cm.	3	Debitage	FGM	94
			7	Flakes	FGM	95
			1	Flake	MGM	96
		30-40 cm.		No Recovery		97

TABLE 6.31–6

Summary of Artifact Recovery
Site SDI-12,363

Recovery Category	Surface	Shovel Tests	Test Units	Total	Percent
Core Tools:					
Core Tools	2	-	-	2	0.88
Lithic Production Waste:					
Core	1	-	-	1	0.44
Debitage	13	1	29	43	18.86
Flakes	50	4	120	174	76.32
Percussion Tools:					
Chopper	1	-	-	1	0.44
Precision Tools:					
Retouched Debitage	1	-	-	1	0.44
Utilized Debitage	1	-	-	1	0.44
Utilized Flakes	5	-	-	5	2.19
Total	74	5	149	228	100.00
Percent	32.46	2.19	65.35	100.00	

Rounded numbers may not add to 100%.

TABLE 6.31–7

Lithic Tool Measurement Data
Site SDI-12,363

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Core Tools:						
23	Core Tool	17.7	9.4	6.3	1401.2	MGM
48	Core Tool	13.3	12.3	6.9	1209.4	MGM
Percussion Tools:						
Choppers:						
36	Chopper	11.7	7.6	4.3	370.5	FGM
Precision Tools:						
Retouched Debitage:						
11	Retouched Debitage	8.4	6.4	3.5	173.1	MGM
Utilized Debitage:						
14	Utilized Debitage	5.2	3.0	1.8	28.2	MGM
Utilized Flakes:						
8	Utilized Flake	7.3	4.7	1.4	42.5	MGM
13	Utilized Flake	4.4	3.4	0.8	14.4	FGM
17	Utilized Flake	4.7	4.5	1.6	29.3	FGM
46	Utilized Flake	6.9	6.1	2.1	77.0	MGM
49	Utilized Flake	3.6	2.9	1.1	12.3	MGM

6.32 Site SDI-12,364

6.32.1 Site Description

This site consists of a small lithic scatter located on the lower slope of a southwest–trending ridge, directly east of Otay Lakes Road where the road crosses between Upper and Lower Otay Lakes Reservoirs, along the western edge of the project. The site was originally recorded by Ogden in 1991 as a flaking station and low-density lithic scatter. Native vegetation at the site consists of chamise chaparral. The site parallels the southwest edge of a graded dirt road, but does not appear to have been disturbed by the grading. Only a portion of the northeast edge of the site is located within the current property boundary. The general configuration of the resource is shown in Figure 6.32–1. Elevations at the site range from 500 to 535 feet AMSL. The setting of the site is shown in a photograph provided in Plate 6.32–1.

Site SDI-12,364 is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of all surface artifacts and the excavation of five shovel test pits. The field investigations were conducted on May 20, 2002.

6.32.2 Previous Investigations

The site was registered by Ogden during a survey conducted in 1991, as a flaking station and low-density lithic scatter that measured approximately 20 by 20 meters (Carrico *et al.* 1992). Artifacts observed on the surface of the site included two cores and more than ten fragments of metavolcanic lithic production waste. Ogden identified no indication of features or a subsurface deposit, although the site was not tested as part of that study.

6.32.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,364 were executed using the standard methodologies described in Section 5.0. Lithic artifacts were recovered from the surface of the site; subsurface investigations resulted in the conclusion that no subsurface deposits are present at the site.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a small number of surface artifacts. A total of six artifacts were recovered from four different surface locations. The recovery is summarized in Table 6.32–1, while detailed provenience information for the surface artifacts is presented in Table 6.32–2. Lithic production waste accounts for 83.33% (N=5) of the collection, while the remaining artifact was identified as a utilized piece of debitage. The area of the site, delineated by the artifact scatter, measures approximately 75 meters (245 feet) from northwest to southeast by 12 meters (40 feet) from southwest to northeast, and covers 685 square meters (7,371 square feet) (Figure 6.32–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,364 was investigated by excavating a series of five STPs. The placement of the STPs, shown in Figure 6.32–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. No artifacts were recovered from the STPs excavated at Site SDI-12,364. Locational and depth information for the shovel tests is presented in Table 6.32–3.

Due to the lack of evidence for a subsurface deposit, a test unit was not excavated at Site SDI-12,364 as part of the testing program. The excavation of the STPs determined that no subsurface deposits are present at Site SDI-12,364.

6.32.4 Discussion

The testing demonstrated that Site SDI-12,364 consists of a sparse scatter of lithic artifacts on the surface of the site; no subsurface cultural deposit was identified. The overall site dimensions, identified by the surface scatter, measure 75 meters (245 feet) by 12 meters (40 feet), and cover 685 square meters (7,371 square feet). The artifacts recovered from Site SDI-12,364 consisted of five pieces of lithic production waste and a single fragment of utilized debitage. All artifacts collected from Site SDI-12,364, with the exception of one piece of quartz debitage, were derived from fine- or medium-grained metavolcanics (Table 6.32–2). The site appears to represent a limited-use site where lithic tool production and/or maintenance occurred.

Since none of the artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the sparse nature of the surface scatter and the lack of a subsurface deposit, it is unlikely that further excavation would produce additional data that would allow such a determination. The site exhibits no ecofacts, features, or unique elements. The mapping and collection of surface artifacts have exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recover of information that can contribute to the knowledge of prehistory in the region. However, the current program has exhausted the potential of the site to yield unique data and further study will not produce additional significant information.

6.32.5 Summary

The investigation of Site SDI-12,364 did not produce any unique scientific data regarding site function or content. The identified artifacts indicate that site activities were focused primarily on a limited amount of lithic tool production and possibly resource processing. The site represents one of several limited-use lithic manufacturing and/or maintenance sites in the area.

Based on the information derived from the testing program, the site is characterized as possessing limited significance according to County of San Diego cultural resource guidelines. The site exhibits a sparse artifact scatter that has been collected, and did not possess any segregated special use areas, features, or unique elements. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,364.

Figure 6.32–1
Excavation Location Map — Site SDI-12,364

(Deleted for Public Review; Bound Separately)

View of Site SDI-12,364 (right of vehicle) looking southeast from adjacent ridge.

Plate 6.32–1

TABLE 6.32–1

Summary of Surface Recovery
Site SDI-12,364

Recovery Category	Quantity	Percent
Lithic Production Waste:		
Debitage	4	66.67
Flake	1	16.67
Precision Tools:		
Utilized Debitage	1	16.67
Total	6	100.00

Rounded numbers may not add to 100%.

TABLE 6.32–2

Surface Recovery Data
Site SDI-12,364

Recovery Location	Location from Datum A Azimuth/Range	Quantity	Recovery	Material	Cat. No.
1	242°/97 Feet	1	Flake	FGM	1
2	199°/72 Feet	3	Debitage	FGM	2
3	258°/77 Feet	1	Debitage	Quartz	3
4	138°/180 Feet	1	Utilized Debitage	MGM	4

TABLE 6.32–3

Shovel Test Excavation Data
Site SDI-12,364

Shovel Test	Location from Datum A Azimuth/Range	Depth	Recovery	Cat. No.
1	0°/0 Feet	0-10 cm.	No Recovery	5
		10-20 cm.	No Recovery	6
		20-30 cm.	No Recovery	7
2	62°/56 Feet	0-10 cm.	No Recovery	8
		10-20 cm.	No Recovery	9
		20-30 cm.	No Recovery	10
3	241°/62 Feet	0-10 cm.	No Recovery	11
		10-20 cm.	No Recovery	12
		20-30 cm.	No Recovery	13
4	150°/90 Feet	0-10 cm.	No Recovery	14
		10-20 cm.	No Recovery	15
		20-30 cm.	No Recovery	16
5	329°/68 Feet	0-10 cm.	No Recovery	17
		10-20 cm.	No Recovery	18
		20-30 cm.	No Recovery	19

TABLE 6.32–4

Lithic Tool Measurement Data
Site SDI-12,364

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Precision Tools:						
Utilized Debitage:						
9	Utilized Debitage	8.1	6.0	5.1	283.1	MGM

6.33 Site SDI-12,365

6.33.1 Site Description

Site SDI-12,365 consists of a sparse lithic scatter located on the lower southwestern facing slope of a long ridgeline west of a seasonal drainage near the western edge of the project. The site was originally recorded by Ogden in 1991 as a flaking station and lithic scatter. The general configuration of the resource is shown in Figure 6.33–1. Elevations at the site range from 540 to 630 feet AMSL. The current vegetation is characterized by moderately dense chamise chaparral. The setting of Site SDI-12,365 is shown in a photograph provided in Plate 6.33–1a.

Site SDI-12,365 is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of all surface artifacts, and the excavation of 10 shovel test pits and one test unit. The field investigations were conducted on May 20, 2002.

6.33.2 Previous Investigations

Site SDI-12,365 was registered by Ogden during a survey conducted in 1991 as a low-density lithic scatter that measured approximately 100 by 100 meters (Carrico *et al*. 1992). Artifacts observed on the surface of the site included over 30 fragments of metavolcanic lithic production waste. The site was not subjected to a testing phase during the Ogden investigation.

6.33.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,365 were executed using the standard methodologies described in Section 5.0. Lithic artifacts were recovered from the surface of the site; subsurface investigations resulted in the conclusion that no subsurface deposits are present at the site.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a limited number of surface artifacts. A total of four artifacts were recovered from four different surface locations. Detailed provenience information for the surface artifacts is presented in Table 6.33–1. Lithic production waste accounts for 75.00% (N=3) of the collection, while the remaining artifact was identified as a retouched flake. The area of the site, delineated by the artifact scatter, measures approximately 43 meters (140 feet) from north to south by 41 meters (135 feet) from west to east, and covers 1,084 square meters (11,666 square feet) (Figure 6.33–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,365 was investigated by excavating a series of 10 STPs. The placement of the STPs, shown in Figure 6.33–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. No artifacts were recovered from the STPs excavated at Site SDI-12,365. Locational and depth information for the shovel tests is presented in Table 6.33–2.

As originally proposed, the testing program included the excavation of a single test unit at Site SDI-12,365. Because all shovel tests were negative, the test unit was placed according to the surface artifact distribution (Figure 6.33–1). The test unit was excavated in standard decimeter levels to 30 centimeters and all removed soils were sifted through 1/8-inch mesh hardware cloth. No artifacts were recovered from the test unit excavation (Table 6.33–3). The soil profile from Test Unit 1 was characterized as compact grayish brown (10YR 5/2) rocky silt loam to the maximum depth of the excavations (30 centimeters). A drawing of the north wall of Test Unit 1 is presented in Figure 6.33–2. A color photograph of the north wall of Test Unit 1 is provided in Plate 6.33–1b.

The excavation of the STPs and test unit determined that no subsurface deposits are present at SDI-12,365.

6.33.4 Discussion

The testing demonstrated that Site SDI-12,365 consists of a sparse scatter of lithic artifacts on the surface of the site; no subsurface cultural deposit was identified. The overall site dimensions, identified by the surface scatter, measure 43 meters (140 feet) by 41 meters (135 feet), and cover 1,084 square meters (11,666 square feet). The artifacts recovered from Site SDI-12,365 consisted of four pieces of lithic production waste and one retouched flake. All artifacts collected from Site SDI-12,365 were derived from locally available fine- or medium-grained metavolcanics (Table 6.33–1). Measurements for the single lithic tool recovered are presented in Table 6.33–4. The site appears to represent a limited-use site where a lithic tool production and/or maintenance, and possible resource processing, occurred.

Since none of the artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the sparse nature of the surface scatter and the lack of a subsurface deposit, it is unlikely that further excavation would produce additional data that would allow such a determination. The site exhibits no ecofacts, features, or unique elements. The mapping and collection of surface artifacts have exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recover of information that can contribute to the knowledge of prehistory in the region.

However, the current program has exhausted the potential of the site to yield unique data and further study will not produce additional significant information.

6.33.5 Summary

The investigation of Site SDI-12,365 did not produce any unique scientific data regarding site function or content. The identified artifacts indicate that site activities were focused primarily on a limited amount of lithic tool production and possibly resource processing. The site represents one of several limited-use lithic manufacturing and/or maintenance sites in the area.

Based on the information derived from the testing program, the site is characterized as possessing limited significance according to County of San Diego cultural resource guidelines. The site exhibits a sparse artifact scatter that has been collected, and did not possess any segregated special use areas, features, or unique elements. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,365.

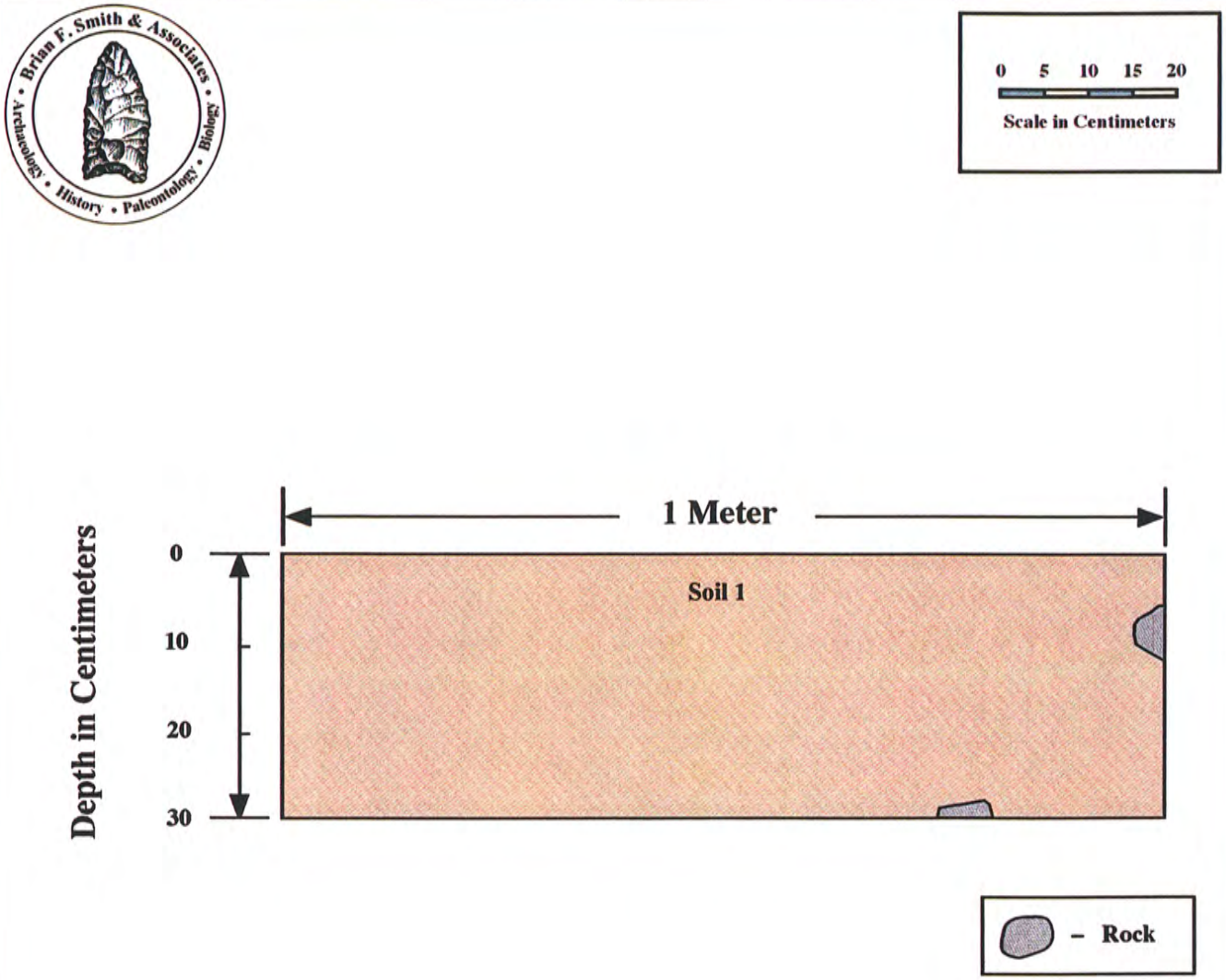
Figure 6.33–1
Excavation Location Map — Site SDI-12,365

(Deleted for Public Review; Bound Separately)

View of Site SDI-12,365 looking southwest (foreground).

View of the north profile of Test Unit 1, 0 to 30 centimeters, at Site SDI-12,365.

Plate 6.33–1



Soil Types

1	Compact grayish brown (10YR 5/2) rocky silt loam

Figure 6.33–2
North Wall Profile of Test Unit 1
Site SDI-12,365
The Village 13 Project

TABLE 6.33–1

Surface Recovery Data
Site SDI-12,365

Recovery Location	Location from Datum A Azimuth/Range	Quantity	Recovery	Material	Cat. No.
1	35°/219 Feet	1	Flake	MGM	1
2	63°/280 Feet	1	Retouched Flake	FGM	2
3	49°/185 Feet	1	Flake	FGM	3
4	65°/129 Feet	1	Flake	FGM	4

TABLE 6.33–2

Shovel Test Excavation Data
Site SDI-12,365

Shovel Test	Location from Datum A Azimuth/Range	Depth	Recovery	Cat. No.
1	76°/246 Feet	0-10 cm.	No Recovery	5
		10-20 cm.	No Recovery	6
		20-30 cm.	No Recovery	7
2	68°/240 Feet	0-10 cm.	No Recovery	8
		10-20 cm.	No Recovery	9
		20-30 cm.	No Recovery	10
3	51°/242 Feet	0-10 cm.	No Recovery	11
		10-20 cm.	No Recovery	12
		20-30 cm.	No Recovery	13
4	77°/301 Feet	0-10 cm.	No Recovery	14
		10-20 cm.	No Recovery	15
		20-30 cm.	No Recovery	16
5	78°/362 Feet	0-10 cm.	No Recovery	17
		10-20 cm.	No Recovery	18
		20-30 cm.	No Recovery	19
6	90°/271 Feet	0-10 cm.	No Recovery	20
		10-20 cm.	No Recovery	21
		20-30 cm.	No Recovery	22
7	100°/306 Feet	0-10 cm.	No Recovery	23
		10-20 cm.	No Recovery	24
		20-30 cm.	No Recovery	25

Shovel Test	Location from Datum A Azimuth/Range	Depth	Recovery	Cat. No.
8	109°/352 Feet	0-10 cm.	No Recovery	26
		10-20 cm.	No Recovery	27
		20-30 cm.	No Recovery	28
9	74°/198 Feet	0-10 cm.	No Recovery	29
		10-20 cm.	No Recovery	30
		20-30 cm.	No Recovery	31
10	71°/148 Feet	0-10 cm.	No Recovery	32
		10-20 cm.	No Recovery	33
		20-30 cm.	No Recovery	34

TABLE 6.33–3

Test Unit Excavation Data
Site SDI-12,365

Test Unit	Location from Datum A Azimuth/Range	Depth	Recovery	Cat. No.
1	58°/211 Feet	0-10 cm.	No Recovery	35
		10-20 cm.	No Recovery	36
		20-30 cm.	No Recovery	37

TABLE 6.33–4

Lithic Tool Measurement Data
Site SDI-12,365

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Precision Tools:						
Retouched Flakes:						
2	Retouched Flake	3.8	2.6	0.9	9.8	FGM

6.34 Site SDI-12,366

6.34.1 Site Description

This site consists of a small lithic scatter located on a low southwest-facing slope northwest of a seasonal drainage, east of Upper Otay Reservoir near the northwest corner of the project. The site was originally recorded by Ogden in 1991 as a small low-density lithic scatter. The general configuration of the resource is shown in Figure 6.34–1. Native vegetation at the site consists of chamise chaparral. An east-west dirt road is approximately 50 feet north of the site, but does not appear to have impacted the site. Elevations at the site range from 700 to 770 feet AMSL. The setting of the site is shown in a photograph provided in Plate 6.34–1.

Site SDI-12,366 is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of all surface artifacts and the excavation of five shovel test pits. The field investigations were conducted on May 20, 2002.

6.34.2 Previous Investigations

The site was registered by Ogden during a survey conducted in 1991 as a small low-density lithic scatter that measured approximately 20 by 20 meters (Carrico *et al*. 1992). Artifacts observed on the surface of the site included three fragments of metavolcanic lithic production waste. Ogden identified no indication of a subsurface deposit, although the site was not tested as part of that study.

6.34.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,366 were executed using the standard methodologies described in Section 5.0. Lithic artifacts were recovered from the surface of the site; however, the two artifacts recovered from excavations were found between zero and ten centimeters of one shovel test pit, indicating the subsurface deposit is shallow and localized.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a limited number of surface artifacts. A total of 11 artifacts were recovered from the four surface locations that produced artifacts (laboratory analysis revealed that several of the specimens collected from surface locations were not cultural). Surface recovery is summarized in Table 6.34-1, while detailed provenience information for the surface artifacts is presented in Table 6.34–2. Lithic production waste accounts for 81.82% (N=9) of the collection, while the remaining artifacts consisted of one piece of retouched debitage and one utilized flake. The area of the site, delineated by the artifact scatter, measures approximately 29

meters (95 feet) from southwest to northeast by 15 meters (48 feet) from northwest to southeast, and covers 302 square meters (3,248 square feet) (Figure 6.34–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,366 was investigated by excavating a series of five STPs. The placement of the STPs, shown in Figure 6.34–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. Two pieces of lithic production waste were recovered from the STPs excavated at Site SDI-12,366. The two flakes were recovered between zero and ten centimeters in STP 1. Locational, depth, and recovery information for the shovel tests is presented in Table 6.34–3.

Due to the minimal evidence for a subsurface deposit, a test unit was not excavated at SDI-12,366 as part of the testing program. The excavation of the STPs determined that only a shallow localized subsurface deposit is present at SDI-12,366. The deposit appears to measure approximately 17 meters (55 feet) from southwest to northeast by 12 meters (40 feet) from northwest to southeast, and covers 166 square meters (1,787 square feet).

6.34.4 Discussion

The testing demonstrated that Site SDI-12,366 consists of a sparse scatter of lithic artifacts on the surface of the site with only a shallow localized subsurface deposit. The overall site dimensions, identified by the surface scatter, measure 29 meters (95 feet) by 15 meters (48 feet), and cover 302 square meters (3,248 square feet). The shallow, localized subsurface deposit identified at the site appears to measure approximately 17 meters (55 feet) by 12 meters (40 feet), and covers 166 square meters (1,787 square feet). The artifacts recovered from Site SDI-12,366 consisted of 11 pieces of lithic production waste, one piece of retouched debitage, and one utilized flake (Table 6.34-4). Tool dimensions are provided in Table 6.34–5. All artifacts collected from Site SDI-12,366 were derived from locally available fine- or medium-grained metavolcanics (Tables 6.34–2 and 6.34-3). The site appears to represent a limited-use site where lithic tool production and/or maintenance, and possible resource processing, occurred.

Since none of the artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the sparse nature of the surface scatter and the lack of a subsurface deposit, it is unlikely that further excavation would produce additional data that would allow such a determination. The site exhibits no ecofacts, features, or unique elements. The mapping and collection of surface artifacts and excavation of shovel test pits have exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recover of information that can contribute to the knowledge

of prehistory in the region. However, the current program has exhausted the potential of the site to yield unique data and further study will not produce additional significant information.

6.34.5 Summary

The investigation of Site SDI-12,366 did not produce any unique scientific data regarding site function or content. The identified artifacts indicate that site activities were focused primarily on a limited amount of lithic tool production and possibly resource processing. The site represents one of several limited-use lithic manufacturing or maintenance sites in the area.

Based on the information derived from the testing program, the site is characterized as possessing limited significance according to County of San Diego cultural resource guidelines. The site exhibits a sparse artifact scatter that has been collected, and did not possess any segregated special use areas, features, or unique elements. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,366.

Figure 6.34–1
Excavation Location Map — Site SDI-12,366

(Deleted for Public Review; Bound Separately)

View of Site SDI-12,366 (arrow) looking northeast.

Plate 6.34–1

TABLE 6.34–1

Summary of Surface Recovery
Site SDI-12,366

Recovery Category	Quantity	Percent
Lithic Production Waste:		
Debitage	3	27.27
Flakes	6	54.55
Precision Tools:		
Retouched Debitage	1	9.09
Utilized Flake	1	9.09
Total	11	100.00

Rounded numbers may not add to 100%.

TABLE 6.34–2

Surface Recovery Data
Site SDI-12,366

Recovery Location	Location from Datum A Azimuth/Range	Quantity/ Weight	Recovery	Material	Cat. No.
1	87°/7 Feet	1	Utilized Flake	FGM	33
		2	Debitage	FGM	2
		3	Flakes	FGM	3
2	270°/23 Feet	1	Retouched Debitage	FGM	4
3	269°/35 Feet	1	Debitage	FGM	5
		1	Flake	FGM	6
		1	Flake	MGM	7
4	233°/64 Feet	1	Flake	MGM	8
5	209°/119 Feet		Not an Artifact		9
6	135°/73 Feet		Not an Artifact		10

TABLE 6.34–3

Shovel Test Excavation Data
Site SDI-12,366

Shovel Test	Location from Datum A Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
1	0°/0 Feet	0-10 cm.	2	Flakes	FGM	11
		10-20 cm.		No Recovery		12
		20-30 cm.		No Recovery		13
2	357°/33 Feet	0-10 cm.		No Recovery		14
		10-20 cm.		No Recovery		15
		20-30 cm.		No Recovery		16
3	86°/54 Feet	0-10 cm.		No Recovery		17
		10-20 cm.		No Recovery		18
		20-30 cm.		No Recovery		19
4	158°/90 Feet	0-10 cm.		No Recovery		20
		10-20 cm.		No Recovery		21
		20-30 cm.		No Recovery		22
5	254°/70 Feet	0-10 cm.		No Recovery		23
		10-20 cm.		No Recovery		24
		20-30 cm.		No Recovery		25

TABLE 6.34–4

Summary of Artifact Recovery
Site SDI-12,366

Recovery Category	Surface	Shovel Tests	Total	Percent
Lithic Production Waste:				
Debitage	3	-	3	23.08
Flakes	6	2	8	61.54
Precision Tools:				
Retouched Debitage	1	-	1	7.69
Utilized Flake	1	-	1	7.69
Total	11	2	13	100.00
Percent	84.62	15.38	100.00	

Rounded numbers may not add to 100%.

TABLE 6.34–5

Lithic Tool Measurement Data
Site SDI-12,366

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Precision Tools:						
Retouched Debitage:						
4	Retouched Debitage	8.7	4.7	4.5	238.5	FGM
Utilized Flakes:						
1	Utilized Flake Fragment	8.9	3.4	1.9	41.7	FGM

6.35 Site SDI-12,367

6.35.1 Site Description

This site consists of a sparse lithic scatter located on a southwest-trending ridge on the southwest slopes of the Jamul Mountains, east of Upper Otay Lakes Reservoir near the western boundary of the project. The site was originally recorded by Ogden in 1991 as a sparse lithic scatter. The site was relocated by BFSA during a survey conducted in November 2000. The general configuration of the resource is shown in Figure 6.35–1. Elevations at the site range from 675 to 875 feet AMSL. Native vegetation of chamise chaparral covers most of the site area. A dirt road extends through the primary area of the site and appears to have impacted the resource. The setting of the site is shown in a photograph provided in Plate 6.35–1.

Site SDI-12,367 is located within the currently proposed construction zone and was therefore subjected to a testing and evaluation program by BFSA. Testing of the site consisted of the mapping and recordation of surface artifacts, and the excavation of 30 shovel test pits and two test units. The field investigations were conducted on May 21 and September 25, 2002.

6.35.2 Previous Investigations

Site SDI-12,367 was registered by Ogden during a survey conducted in 1991 as a low-density lithic scatter that measured approximately 20 by 20 meters. Artifacts observed on the surface of the site included one bifacial core and two fragments of metavolcanic lithic production waste (Carrico *et al.* 1991). The site was not subjected to a testing phase during the Ogden investigation.

6.35.3 Description of Field Investigations

Field investigations conducted by BFSA at Site SDI-12,367 were executed using the standard methodologies described in Section 5.0. Lithic artifacts were recovered from both surface and subsurface contexts.

Surface Recordation

The entire surface of the site was inspected for evidence of prehistoric activity, resulting in the identification of a number of surface artifacts. A total of 82 artifacts were recovered from the 37 surface locations that produced artifacts (laboratory analysis revealed that several of the specimens collected from surface locations were not cultural). The recovery is summarized in Table 6.35–1, while detailed provenience information for the surface artifacts is presented in Table 6.35–2. In addition to the collection of individual surface artifacts, two surface scrapes were utilized to sample areas of increased quarrying activity in the northern area of the site, directly north of the dirt road (Figure 6.35–1). The surface scrapes resulted in the recovery of 41 artifacts, making a total of 123 artifacts recovered from surface contexts.

A wide range of artifacts was recovered from the surface of the site. Lithic production waste accounts for 84.55% (N=104) of the collection, while the remaining artifacts consisted of precision (11.38%; N=14), core (3.25%; N=4), and percussion (0.81%; N=1) tools. The surface artifacts were observed in two primary concentrations—a small scatter at the southern end of the site and the primary scatter at the northern end of the site (Figure 6.35–1). The area of the site, delineated by the artifact scatter, measures approximately 238 meters (780 feet) from northwest to southeast by 128 meters (420 feet) from southwest to northeast, and covers 15,424 square meters (165,962 square feet) (Figure 6.35–1).

Subsurface Excavation

The potential for subsurface archaeological deposits at Site SDI-12,367 was investigated by excavating a series of 30 STPs. The placement of the STPs, shown in Figure 6.35–1, was based on the distribution of the surface artifacts. The STPs were excavated to a minimum of 30 centimeters, or until bedrock was encountered. Five of the STPs produced cultural material, including a total of 15 artifacts. Recovery ranged from two artifacts in STPs 20 and 22 to five artifacts in STP 16 and extended to a maximum of 20 centimeters. Recovery from the STPs is summarized in Table 6.35–3 and is detailed in Table 6.35–4.

The testing program included the excavation of two test units at Site SDI-12,367. The test units were placed, based on the recovery from the STPs. The units were excavated in standard decimeter levels to at least 30 centimeters, or to bedrock, and all removed soils were sifted through 1/8-inch mesh hardware cloth. Cultural materials were recovered only from Test Unit 2; excavations from this test unit resulted in the recovery of 25 artifacts, and included three pieces of debitage, 18 flakes, one core, two hammerstones, and one utilized flake (Tables 6.35–5 and 6.35–6). The maximum depth of recovery in Test Unit 2 was 20 centimeters, although 88.00% of the collection was recovered from the top 10 centimeters. The soil profile from Test Unit 2 was characterized as brown to strong brown (7.5YR 5/5) sandy loam with metavolcanic rock inclusions to a depth of approximately twenty centimeters, which in turn was underlain by metavolcanic bedrock. A drawing of the north wall of Test Unit 2 is presented in Figure 6.35–2.

The excavation of the STPs and test unit determined that the site exhibits a shallow subsurface deposit in the northern portion of the site. The deposit measures approximately 49 meters (160 feet) from northwest to southeast by 48 meters (157 feet) from southwest to northeast, and covers 1,799 square meters (19,353 square feet). The subsurface deposit extends to a maximum depth of 20 centimeters, but most of the material was within the upper 10 centimeters. In addition to lithic production waste, five lithic tools were recovered from the STP and test unit excavations.

6.35.4 Laboratory Analysis

The laboratory analysis for Site SDI-12,367 included the standard procedures described in Section 5.0 of this report. All artifacts recovered from the field investigations conducted at the site were returned to the laboratory facility of BFSA to be cataloged and analyzed. A summary of artifacts recovered from the site is presented in Table 6.35–7. The recovery from Site SDI-12,367 included 163 lithic artifacts.

Lithic Artifact Analysis

Lithic production waste accounted for the largest category of lithic artifacts, representing 85.28% (N=139) of the lithic artifact collection and included three cores, 28 pieces of debitage or shatter, and 108 flakes. The remaining lithic collection from SDI-12,367 consisted of precision (9.82%; N=16), core tools (3.07%; N=5), and percussion (1.84%; N=3) tools. Measurements of all lithic tools are presented in Table 6.35–8.

The precision tool category included one retouched debitage, one retouched flake, one flake scraper, seven pieces of utilized debitage, and six utilized flakes. The percussion tool category was represented by a single-edged, a spherical, and an undetermined hammerstone. The artifacts identified as core tools are generally cores with some evidence of retouch or utilization on at least one edge of the artifact, but not enough so that the artifact can be classified as a specific precision or multi-use tool. Five core tools were recovered from SDI-12,367.

The lithic material of the recovered artifacts consisted entirely of medium- or fine-grained metavolcanic rock, which is immediately available on the site itself (Tables 6.35–2, 6.35–4, and 6.35–6). Activities indicated by the artifacts recovered from the site include procurement of lithic materials, lithic tool production and maintenance, as well as processing of plant and/or animal resources. Lithic tools were recovered from both surface and subsurface contexts.

6.35.5 Discussion

The testing demonstrated that Site SDI-12,367 consists of a moderate scatter of surface artifacts and a sparse, localized subsurface deposit. The overall site dimensions, identified by the surface scatter and test unit excavation, measure 238 meters (780 feet) by 128 meters (420 feet), and cover 15,424 square meters (165,962 square feet). The subsurface deposit is estimated to measure approximately 49 meters (160 feet) by 48 meters (157 feet), and cover 1,799 square meters (19,353 square feet). Based on the artifacts recovered, the site appears to represent a limited-use site where lithic tool production and/or maintenance, and possible plant and/or animal resource processing, occurred.

Since none of the artifacts recovered from the site were culturally diagnostic, no cultural affiliation could be assigned to the resource. Given the sparse nature of the subsurface deposit, and the fact that the deposit was dominated by lithic production waste, it is unlikely that further

excavation would produce additional data that would allow such a determination. The site exhibits no ecofacts, features, or unique elements. Although several tool types were represented at the site, very few were collected from subsurface contexts. Furthermore, none of the tools recovered from SDI-12,367 are unique specimens; all are typical of the tools recovered from the Village 13 sites, primarily including core tools, and utilized and retouched lithic production waste exhibiting limited use-wear. The surface collections accounted for 75.46% (N=123) of the artifacts recovered from the site and the surface scatter has been sampled. It is, therefore, determined that the testing of Site SDI-12,367 has exhausted the research potential of this site. According to the criteria listed in CEQA, Section 15064.5, and the guidelines set forth by the County of San Diego, the site is evaluated as having limited significance based upon the recover of information that can contribute to the knowledge of prehistory in the region. However, the current program has exhausted the potential of the site to yield unique data and further study will not produce additional significant information.

6.35.6 Summary

The investigation of Site SDI-12,367 revealed that neither the site function nor the content was unique. The identified artifacts indicate that site activities were focused primarily on lithic tool production and/or maintenance, as well as limited plant and/or animal resource processing. The site represents one of several limited-use lithic manufacturing and resource processing sites in the area.

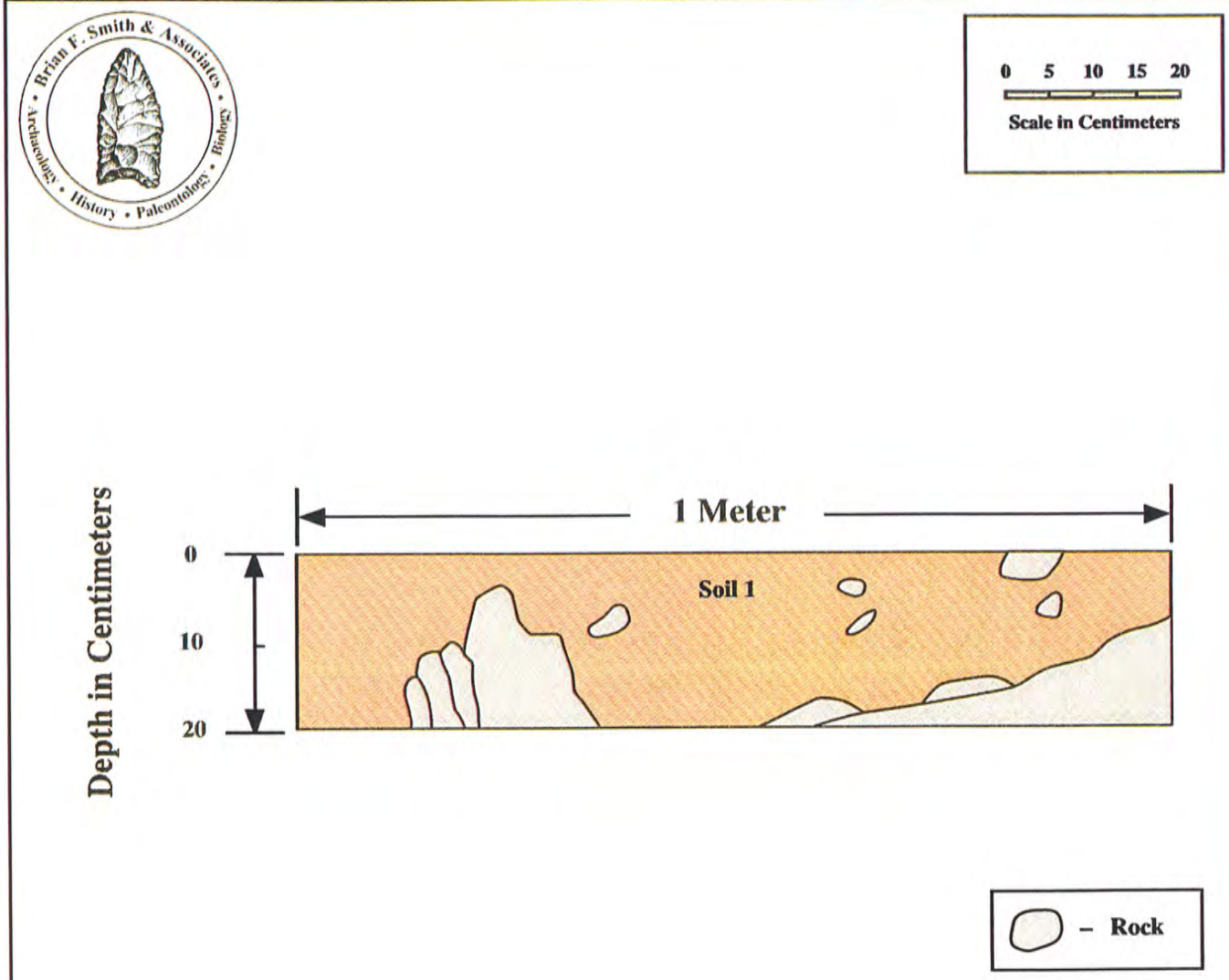
Based on the information derived from the testing program, the site is characterized as possessing limited significance according to County of San Diego cultural resource guidelines. The site exhibits a moderate surface scatter of artifacts that has been sampled, contained a sparse, localized deposit composed entirely of expediently utilized lithic tools and lithic production waste, but did not possess any intact features. The site is one of multiple limited-use lithic manufacturing and possible resource processing sites in the area. The level of information already obtained from this site has exhausted the research potential of the resource, and it is unlikely that any significantly different information would be gathered from further investigation. No further archaeological investigations are recommended for Site SDI-12,367.

Figure 6.35–1
Excavation Location Map — Site SDI-12,367

(Deleted for Public Review; Bound Separately)

View of Site SDI-12,367 looking north (arrow identifies area of Datum A).

Plate 6.35–1



Soil Types

1 **Brown to strong brown (7.5YR 5/5) sandy loam with metavolcanic rock inclusions and underlain by metavolcanic bedrock**

Figure 6.35–2
North Wall Profile of Test Unit 2
Site SDI-12,367
The Village 13 Project

TABLE 6.35–1

Summary of Surface Recovery
Site SDI-12,367

Recovery Category	Surface	Surface Scrapes	Total	Percent
Core Tools:				
Core Tools	3	1	4	3.25
Lithic Production Waste:				
Core	1	-	1	0.81
Debitage	15	10	25	20.33
Flakes	50	28	78	63.41
Percussion Tools:				
Hammerstone	1	-	1	0.81
Precision Tools:				
Retouched Flake	-	1	1	0.81
Scraper	1	-	1	0.81
Utilized Debitage	6	1	7	5.69
Utilized Flakes	5	-	5	4.07
Total	82	41	123	100.00
Percent	66.67	33.33	100.00	

Rounded numbers may not add to 100%.

TABLE 6.35–2

Surface Recovery Data (Including Surface Scrapes)
Site SDI-12,367

Recovery Location	Datum	Location from Datum Azimuth/Range	Quantity	Recovery	Material	Cat. No.
1	A	12°/93 Feet	1	Debitage	MGM	1
2	A	138°/51 Feet	1	Debitage	FGM	2
3	B	4°/81 Feet	1	Flake	FGM	51
4	B	0°/98 Feet	1	Core Tool	FGM	52
			1	Debitage	FGM	53
5	B	340°/205 Feet	1	Flake	MGM	54
6	B	336°/197 Feet	1	Core Tool	MGM	55
7	B	324°/247 Feet		Not an Artifact		56
8	B	331°/284 Feet	1	Debitage	FGM	57
9	B	326°/247 Feet	1	Flake	MGM	58
10	B	320°/230 Feet		Not an Artifact		59
11	B	316°/243 Feet		Not an Artifact		60
12	B	312°/290 Feet	1	Flake	FGM	61
			2	Debitage	MGM	62
			1	Flake	MGM	63
13	B	311°/266 Feet	1	Flake	FGM	64
14	B	300°/255 Feet	1	Debitage	MGM	65
			1	Flake	MGM	66

Recovery Location	Datum	Location from Datum Azimuth/Range	Quantity	Recovery	Material	Cat. No.
15	B	299°/211 Feet	1	Utilized Debitage Fragment	FGM	67
			3	Flakes	FGM	68
16	B	293°/210 Feet	1	Flake	FGM	69
17	B	287°/196 Feet	1	Flake	MGM	70
18	B	282°/194 Feet		Not an Artifact		71
19	B	278°/195 Feet	1	Utilized Flake	FGM	72
			2	Debitage	MGM	73
			2	Flakes	MGM	74
20	B	280°/182 Feet	1	Flake	FGM	75
			1	Core Tool	MGM	76
			1	Flake	MGM	77
21	B	284°/174 Feet	1	Flake	FGM	78
22	B	292°/147 Feet	2	Flakes	FGM	79
			1	Flake	MGM	80
23	B	290°/123 Feet	1	Flake	FGM	81
24	B	296°/115 Feet	1	Flake	FGM	82
25	B	306°/98 Feet	3	Flakes	MGM	83
26	B	152°/201 Feet	1	Flake	FGM	84
27	B	150°/366 Feet	1	Utilized Flake	FGM	85
			1	Flake	FGM	86
28	B	146°/396 Feet	1	Core	MGM	87
29	B	135°/442 Feet	1	Utilized Debitage Fragment	MGM	88
			1	Debitage	MGM	89

Recovery Location	Datum	Location from Datum Azimuth/Range	Quantity	Recovery	Material	Cat. No.
			1	Flake	CGM	90
30	B	137°/431 Feet	1	Flake	FGM	91
31	B	139°/418 Feet	1	Debitage	FGM	92
			2	Flakes	FGM	93
32	B	139°/446 Feet	2	Flakes	FGM	94
			1	Debitage	MGM	95
33	B	134°/386 Feet	1	Debitage	FGM	96
			2	Flakes	FGM	97
34	B	142°/383 Feet	3	Flakes	FGM	98
35	B	146°/417 Feet	2	Flakes	FGM	99
36	B	144°/449 Feet	1	Utilized Flake	FGM	100
			1	Utilized Flake	FGM	101
			1	Debitage	FGM	102
			2	Flakes	FGM	103
37	B	148°/447 Feet	1	Flake Scraper	FGM	104
			1	Utilized Debitage	FGM	105
			1	Utilized Flake	FGM	106
			1	Utilized Debitage Fragment	FGM	107
			1	Debitage	FGM	108
			2	Flakes	FGM	109
38	B	148°/447 Feet	1	Utilized Debitage Fragment	FGM	110
			1	Utilized Debitage Fragment	FGM	111
			2	Flakes	FGM	112
39	B	148°/462 Feet	1	Hammerstone, Single-Edged	FGM	113
			2	Flakes	FGM	114
40	B	145°/476 Feet	1	Flake	FGM	115

Recovery Location	Datum	Location from Datum Azimuth/Range	Quantity	Recovery	Material	Cat. No.
41	B	145°/213 Feet	1	Flake	FGM	116
SS-1	B	304°/206 Feet	1	Core Tool	FGM	117
			6	Debitage	FGM	118
			13	Flakes	FGM	119
			6	Flakes	MGM	120
SS-2	B	303°/132 Feet	3	Debitage	FGM	121
			1	Retouched Flake	MGM	122
			1	Utilized Debitage Fragment	MGM	123
			1	Debitage	MGM	124
			9	Flakes	MGM	125

TABLE 6.35–3

Summary of Shovel Test Recovery
Site SDI-12,367

Recovery Category	Quantity	Percent
Lithic Production Waste:		
Core	1	6.67
Flakes	12	80.00
Percussion Tools:		
Core Tool	1	6.67
Precision Tools:		
Retouched Debitage	1	6.67
Total	15	100.00

Rounded numbers may not add to 100%.

TABLE 6.35–4

Shovel Test Excavation Data
Site SDI-12,367

Shovel Test	Datum	Location from Datum Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
1	A	0°/0 Feet	0-10 cm.		No Recovery		3
			10-20 cm.		No Recovery		4
			20-30 cm.		No Recovery		5
2	A	135°/54 Feet	0-10 cm.		No Recovery		6
			10-20 cm.		No Recovery		7
			20-30 cm.		No Recovery		8
3	A	135°/125 Feet	0-10 cm.		No Recovery		9
			10-20 cm.		No Recovery		10
			20-30 cm.		No Recovery		11
4	A	0°/86 Feet	0-10 cm.		No Recovery		12
			10-20 cm.		No Recovery		13
			20-30 cm.		No Recovery		14
5	A	0°/45 Feet	0-10 cm.		No Recovery		15
			10-20 cm.		No Recovery		16
			20-30 cm.		No Recovery		17
6	A	90°/61 Feet	0-10 cm.		No Recovery		18
			10-20 cm.		No Recovery		19

Shovel Test	Datum	Location from Datum Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
			20-30 cm.		No Recovery		20
7	A	90°/134 Feet	0-10 cm.		No Recovery		21
			10-20 cm.		No Recovery		22
			20-30 cm.		No Recovery		23
8	A	180°/46 Feet	0-10 cm.		No Recovery		24
			10-20 cm.		No Recovery		25
			20-30 cm.		No Recovery		26
9	A	180°/137 Feet	0-10 cm.		No Recovery		27
			10-20 cm.		No Recovery		28
			20-30 cm.		No Recovery		29
10	A	180°/210 Feet	0-10 cm.		No Recovery		30
			10-20 cm.		No Recovery		31
			20-30 cm.		No Recovery		32
11	A	225°/50 Feet	0-10 cm.		No Recovery		33
			10-20 cm.		No Recovery		34
			20-30 cm.		No Recovery		35
12	A	225°/100 Feet	0-10 cm.		No Recovery		36
			10-20 cm.		No Recovery		37
			20-30 cm.		No Recovery		38

Shovel Test	Datum	Location from Datum Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
13	A	225°/150 Feet	0-10 cm.		No Recovery		39
			10-20 cm.		No Recovery		40
			20-30 cm.		No Recovery		41
14	A	270°/50 Feet	0-10 cm.		No Recovery		42
			10-20 cm.		No Recovery		43
			20-30 cm.		No Recovery		44
15	A	270°/100 Feet	0-10 cm.		No Recovery		45
			10-20 cm.		No Recovery		46
			20-30 cm.		No Recovery		47
16	B	319°/228 Feet	0-10 cm.	1	Core Fragment	FGM	126
				2	Flakes	FGM	127
			10-20 cm.	2	Flakes	FGM	128
			20-30 cm.		No Recovery		129
17	B	307°/211 Feet	0-10 cm.		No Recovery		130
			10-20 cm.		No Recovery		131
			20-30 cm.		No Recovery		132
18	B	282°/210 Feet	0-10 cm.		No Recovery		133
			10-20 cm.		No Recovery		134
			20-30 cm.		No Recovery		135
19	B	292°/161 Feet	0-10 cm.	1	Flake	FGM	136

Shovel Test	Datum	Location from Datum Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
				2	Flakes	MGM	137
			10-20 cm.		No Recovery		138
			20-30 cm.		No Recovery		139
20	B	296°/127 Feet	0-10 cm.	1	Flake	FGM	140
				1	Flake	MGM	141
			10-20 cm.		No Recovery		142
			20-30 cm.		No Recovery		143
21	B	313°/142 Feet	0-10 cm.	1	Core Tool	MGM	144
				1	Retouched Debitage	MGM	145
				1	Flake	MGM	146
			10-20 cm.		No Recovery		147
			20-30 cm.		No Recovery		148
22	B	330°/111 Feet	0-10 cm.	1	Flake	FGM	149
			10-20 cm.	1	Flake	MGM	150
23	B	329°/253 Feet	0-10 cm.		No Recovery		152
			10-20 cm.		No Recovery		153
			20-30 cm.		No Recovery		154
24	B	312°/272 Feet	0-10 cm.		No Recovery		155
			10-20 cm.		No Recovery		156
			20-30 cm.		No Recovery		157
25	B	280°/132 Feet	0-10 cm.		No Recovery		158

Shovel Test	Datum	Location from Datum Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
			10-20 cm.		No Recovery		159
			20-30 cm.		No Recovery		160
26	B	304°/82 Feet	0-10 cm.		No Recovery		161
			10-20 cm.		No Recovery		162
			20-30 cm.		No Recovery		163
27	B	348°/80 Feet	0-10 cm.		No Recovery		164
			10-20 cm.		No Recovery		165
			20-30 cm.		No Recovery		166
28	B	351°/147 Feet	0-10 cm.		No Recovery		167
			10-20 cm.		No Recovery		168
			20-30 cm.		No Recovery		169
29	B	146°/406 Feet	0-10 cm.		No Recovery		170
			10-20 cm.		No Recovery		171
			20-30 cm.		No Recovery		172
30	B	142°/451 Feet	0-10 cm.		No Recovery		173
			10-20 cm.		No Recovery		174
			20-30 cm.		No Recovery		175

TABLE 6.35–5

Summary of Test Unit Recovery
Site SDI-12,367

Artifact Category	Depth (in centimeters) 0-10	10-20	20-30	Total	Percent
Lithic Production Waste:					
Core	1	-	-	1	4.00
Debitage	3	-	-	3	12.00
Flakes	15	3	-	18	72.00
Percussion Tools:					
Hammerstones	2	-	-	2	8.00
Precision Tools:					
Utilized Flake	1	-	-	1	4.00
Total	22	3	0	25	100.00
Percent	88.00	12.00	0.00	100.00	

Rounded numbers may not add to 100%.

TABLE 6.35–6

Test Unit Excavation Data
Site SDI-12,367

Test Unit	Datum	Location from Datum Azimuth/Range	Depth	Quantity	Recovery	Material	Cat. No.
1	A	134°/58 Feet	0-10 cm.		No Recovery		48
			10-20 cm.		No Recovery		49
			20-30 cm.		No Recovery		50
2	B	318°/231 Feet	0-10 cm.	1	Hammerstone Fragment, Undetermined	FGM	176
				1	Utilized Flake	FGM	177
				1	Core	FGM	178
				3	Debitage	FGM	179
				15	Flakes	FGM	180
				1	Hammerstone, Spherical	MGM	181
			10-20 cm.	3	Flakes	FGM	182

TABLE 6.35–7

Summary of Artifact Recovery
Site SDI-12,367

Recovery Category	Surface	Shovel Tests	Test Units	Total	Percent
Core Tools:					
Core Tools	4	1	-	5	3.07
Lithic Production Waste:					
Cores	1	1	1	3	1.84
Debitage	25	-	3	28	17.18
Flakes	78	12	18	108	66.26
Percussion Tools:					
Hammerstones	1	-	2	3	1.84
Precision Tools:					
Retouched Debitage	-	1	-	1	0.61
Retouched Flake	1	-	-	1	0.61
Scraper	1	-	-	1	0.61
Utilized Debitage	7	-	-	7	4.29
Utilized Flakes	5	-	1	6	3.68
Total	123	15	25	163	100.00
Percent	75.46	9.20	15.34	100.00	

Rounded numbers may not add to 100%.

TABLE 6.35–8

Lithic Tool Measurement Data
Site SDI-12,367

Cat. No.	Tool Description	Dimensions (in centimeters) Length	Width	Thickness	Weight (in grams)	Material
Core Tools:						
52	Core Tool	9.5	6.3	6.1	458.0	FGM
55	Core Tool	10.2	7.9	3.5	274.8	MGM
76	Core Tool	9.5	7.2	3.3	297.1	MGM
117	Core Tool	8.2	5.9	4.6	234.9	FGM
144	Core Tool	15.3	10.6	10.4	1397.7	MGM
Percussion Tools:						
Hammerstones:						
113	Hammerstone, Single-Edged	8.9	6.6	6.5	464.1	FGM
176	Hammerstone Fragment, Undetermined	9.3	4.7	2.5	122.5	FGM
181	Hammerstone, Spherical	11.5	7.4	6.3	585.3	MGM
Precision Tools:						
Retouched Debitage:						
145	Retouched Debitage	13.1	7.3	3.3	315.6	MGM
Retouched Flakes:						
122	Retouched Flake	7.7	7.0	2.0	124.9	MGM
Scrapers:						
104	Flake Scraper	7.5	3.2	1.7	28.1	FGM
Utilized Debitage:						
67	Utilized Debitage Fragment	7.3	6.1	4.3	226.8	FGM
88	Utilized Debitage Fragment	7.4	3.3	1.2	28.9	MGM
105	Utilized Debitage	8.0	6.4	2.8	179.5	FGM
107	Utilized Debitage Fragment	2.8	2.0	0.9	5.3	FGM
110	Utilized Debitage Fragment	5.1	4.4	2.3	50.8	FGM
111	Utilized Debitage Fragment	4.6	3.3	2.0	19.6	FGM
123	Utilized Debitage Fragment	6.3	3.1	2.2	43.9	MGM
Utilized Flakes:						
72	Utilized Flake	3.6	2.7	1.2	11.3	FGM
85	Utilized Flake	4.9	3.5	1.6	27.4	FGM
100	Utilized Flake	4.3	3.1	0.8	10.8	FGM
101	Utilized Flake	4.3	2.8	0.9	10.3	FGM
106	Utilized Flake	4.8	3.0	1.1	14.2	FGM
177	Utilized Flake	10.0	4.9	2.0	86.2	FGM