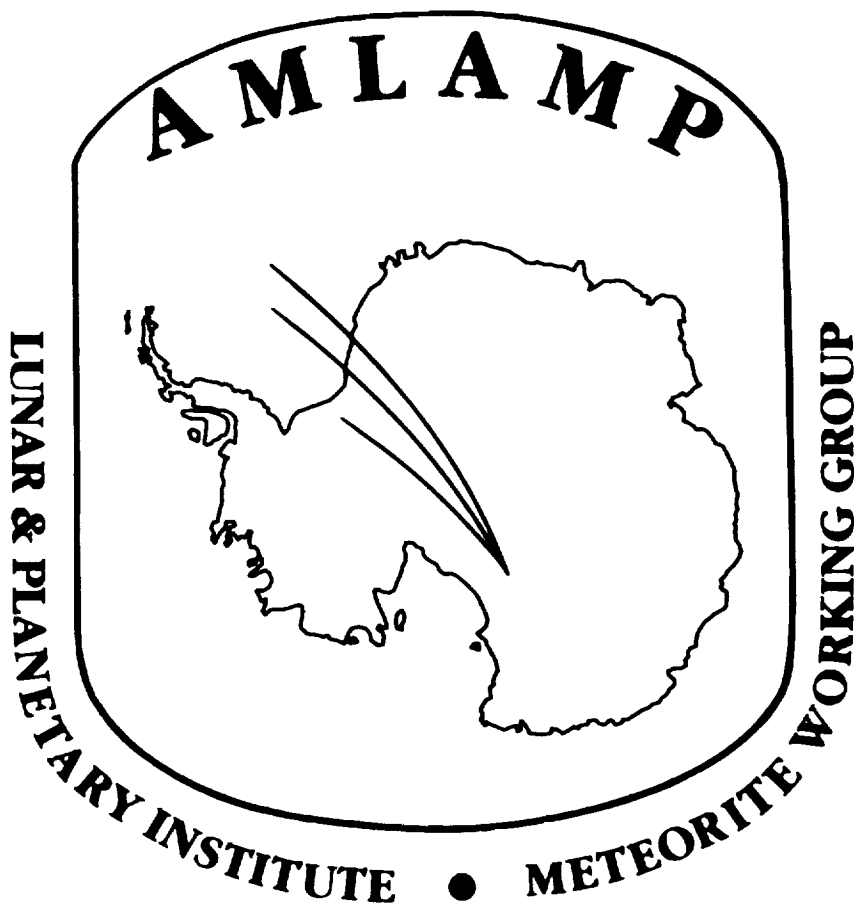


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# ANTARCTIC METEORITE LOCATION AND MAPPING PROJECT



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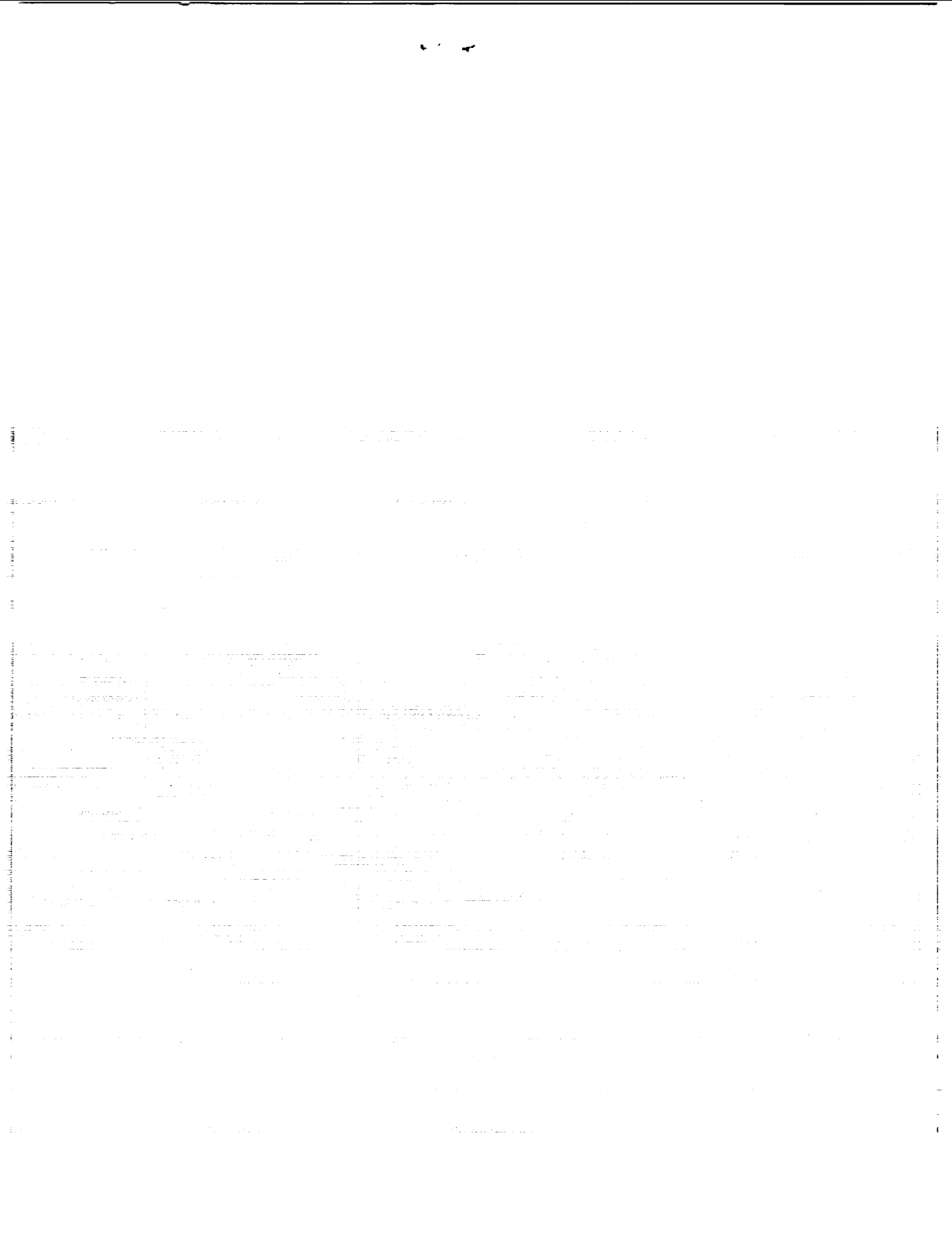
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 METEORITE LOCATION AND MAPPING  
 PROJECT (AMLAMP): ANTARCTIC  
 METEORITE LOCATION MAP SERIES  
 EXPLANATORY TEXT AND USER'S GUIDE  
 TO AMLAMP DATA (Lunar and  
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## LPI Technical Report Number 93-07

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**ANTARCTIC METEORITE  
LOCATION AND MAPPING PROJECT  
(AMLAMP)**

**ANTARCTIC METEORITE LOCATION MAP SERIES  
EXPLANATORY TEXT**

**and**

**USER'S GUIDE TO AMLAMP DATA**

J. Schutt, B. Fessler, and W. A. Cassidy

Lunar and Planetary Institute    3600 Bay Area Boulevard    Houston TX 77058-1113

LPI Technical Report 93-07  
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## Preface

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This technical report is an update to *LPI Technical Report 89-02* (Schutt *et al.*, 1989), which contained data and information that was current to May 1987. Since that time approximately 4000 new meteorites have been collected, mapped, and characterized, mainly from the numerous icefields in the Allan Hills–David Glacier region, from the Pecora Escarpment and Moulton Escarpment in the Thiel Mountains–Patuxent region, the Wisconsin Range region, and from the Beardmore region. Meteorite location maps for icefields from these regions have been produced and are available. This report includes explanatory texts for the maps of new areas and provides information on updates of maps of the areas covered in *LPI Technical Report 89-02*. Sketch maps and description of locales that have been searched and have yielded single or few meteorites are also included. The meteorite listings for all the icefields have been updated to include any classification changes and new meteorites recovered from icefields in the Allan Hills–David Glacier region since 1987. The text has been reorganized and minor errors in the original report have been corrected.

Computing capabilities have improved immensely since the early days of this project. Current software and hardware allow easy access to data over computer networks. With various commercial software packages, the data can be used many different ways, including database creation, statistics, and mapping. The databases, explanatory texts, and the plotter files used to produce the meteorite location maps are available through a computer network. Information on how to access AMLAMP data, its formats, and ways it can be used are given in the User's Guide to AMLAMP Data section. Meteorite location maps and thematic maps may be ordered from the Lunar and Planetary Institute. Ordering information is given in Appendix A.



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CONTENTS**

Introduction.....	1
History of Meteorite Location Maps and Field Mapping Procedures.....	1
AMLAMP Meteorite Location Maps.....	2
Explanatory Texts .....	3
Allan Hills–David Glacier Region Meteorite Location Map Series .....	7
Allan Hills Main Icefield .....	9
Allan Hills Near Western Icefield.....	27
Allan Hills Middle Western Icefield .....	35
Allan Hills Far Western Icefield .....	39
Elephant Moraine Meteorite Location Map Series .....	51
Elephant Moraine–Elephant Moraine Icefield .....	53
Elephant Moraine–Texas Bowl Icefield.....	61
Beardmore Glacier Region Meteorite Location Map Series .....	87
Dominion Range and Grosvenor Mountains Icefields.....	89
Queen Alexandra Range–Goodwin Nunataks Area .....	93
Lewis Cliff Icefields.....	97
Thiel Mountains Meteorite Location Map Series .....	139
Moulton Escarpment .....	141
Pecora Escarpment Meteorite Location Map Series, Pecora Escarpment.....	145
Wisconsin Range Meteorite Location Map Series, Upper Reedy Glacier Area .....	159
Patuxent Range .....	163
Stewart Hills.....	169
Mount Howe .....	171
Nimrod Glacier Region.....	173
References.....	175
User’s Guide to AMLAMP Data .....	177
Appendix A. Antarctic Meteorite Location and Thematic Map Order Form	



# Introduction

Antarctica has been a prolific source of meteorites since meteorite concentrations on bare ice stranding sites were discovered in 1969 (Yoshida *et al.*, 1971). Since 1976 the U.S. has joined Japan and a consortium of European countries (EUROMET) as nations that have sent expeditions specifically to search for meteorites in Antarctica. About 14,000 meteorite specimens have been recovered as a result of these efforts. The U.S. program, currently under the direction of W. A. Cassidy and J. Schutt of the University of Pittsburgh and R. Harvey of the University of Tennessee, is supported by the Office of Polar Programs of the U.S. National Science Foundation. The Antarctic Search for Meteorites (ANSMET) project has been active over much of the Trans-Antarctic Mountain Range. The first ANSMET expedition (a joint U.S.-Japanese effort) discovered what turned out to be a significant concentration of meteorites at the Allan Hills in southern Victoria Land (Cassidy, 1977, 1978, 1979). Later reconnaissance in this region resulted in the discovery of meteorite concentrations on icefields to the west of the Allan Hills, at Reckling Moraine, and Elephant Moraine (Cassidy, 1980; Cassidy and Annexstad, 1981; Schutt, 1982; Cassidy *et al.*, 1983; Cassidy and Schutt, 1984; Huss *et al.*, 1987).

ANSMET expeditions have also found important concentrations in other regions of Antarctica; the Lewis Cliff-Walcott N ve area in the Beardmore region has proved to be as important as the Allan Hills icefields in numbers of specimens recovered (Cassidy *et al.*, 1986, 1987) and the Thiel Mountains-Pecora Escarpment region has also produced significant numbers of meteorites (Schutt *et al.*, 1983; Harvey and Schutt, 1992). Numerous other less productive areas have been identified, as well as a small number of individual meteorite finds (Cassidy, 1977, 1979; Cassidy and Annexstad, 1981; Schutt *et al.*, 1983; Cassidy *et al.*, 1986; Harvey and Schutt, 1992). Additional new and important meteorite stranding sites and individual finds will undoubtedly be found in the future. Figure 1 shows the general location of meteorite concentrations and individual finds in Antarctica. Table 1 is a listing of these areas, the name abbreviations used for identifying meteorites found there, and the locale's geographic coordinates. A summary of Antarctic meteorite field work, overviews of meteoritic and related glaciological investigations, and discussions on concentration mechanisms can be found in Bull and Lipschutz (1982), Annexstad *et al.* (1986), Cassidy and Whillans (1990), Huss (1990), and Cassidy *et al.* (1992).

The mapping of the locations of meteorites found on the Antarctic icesheet can play an important role in meteorite and glaciological investigations. Maps are visual aids in pairing studies, especially when fragments of the same fall are found in a given area during different field seasons. The

spatial distribution of meteorites on a given stranding surface may give insights into the concentration mechanism(s) or define areas in which glaciological studies should be concentrated. Thematic maps and spatial analysis of meteorite types, masses, terrestrial ages, or combinations of those parameters will yield additional clues.

We are preparing Antarctic meteorite location maps for the specimens found by the ANSMET project and others. We have prepared this report to accompany the meteorite location maps that have been produced to date. The report is at once a catalog of meteorite find sites in Antarctica and a brief history of search and recovery efforts. For areas where meteorites have been found in great numbers, large (33" x 44", E-size) maps have been created and are available from the LPI (see Appendix A). Reduced versions of these maps are shown in the following sections. For areas where few or single specimens were found or in areas where meteorites were found outside the bounds of these maps, we have used references in the explanatory texts, air-photos, satellite images, sketch maps, and published U.S.G.S. maps to document the meteorite locations.

The meteorite location maps have been organized into map series and subseries based upon a broad, regional scale and local subseries within regions. For example, the Allan Hills-David Glacier Region Meteorite Location Map Series currently includes the Allan Hills Map Series (ALHA and ALH meteorites) and the Elephant Moraine Map Series (EETA and EET meteorites).

## HISTORY OF METEORITE LOCATION MAPS AND FIELD MAPPING PROCEDURES

Yanai (1983, 1984) published meteorite location sketch maps for the Yamato Mountains and the Allan Hills. The Allan Hills map shows the locations of specimens recovered during the 1976-1977, 1977-1978, and 1978-1979 seasons. The Antarctic Meteorite Location and Mapping Project (AMLAMP) grew out of a need to present the location data that had been acquired in subsequent years by the ANSMET expeditions.

The first maps of the Allan Hills Main and Near Western icefields and the Elephant Moraine Icefield were hand-drawn versions. T. Meunier (U.S. Geological Survey) produced a computer-generated map showing meteorites recovered during the 1982-1983 search of the Far Western Icefield. A copy of the Cartographic Automatic Mapping (CAM) program that he used was acquired from the U.S.G.S. and installed, after modification, into the DEC-VAX computer system at the LPI.

The CAM program is a powerful cartographic mapping software package, capable of generating maps in many map

projections. By present standards, however, it is a cumbersome and inelegant program with numerous limitations. Many corrections and enhancements have been made to the CAM program. Because meteorite locations are often close together, a utility program was written so that name placement overprinting is minimized. An interactive editing program is used to finalize name positioning. Numerous other programs have been developed to deal with the different kinds of data and data formats. We have essentially created a crude geographic information system (GIS). Thematic maps may be created within our framework of programs. However, the location data is in geographic coordinates and therefore can easily be imported into a dedicated GIS environment.

Separate databases have been created for each of the icefields from reduced field and survey data and from computer databases at the Antarctic Meteorite Laboratory at the Curatorial Facility, Johnson Space Center (JSC). To date, these databases include specimen names, classifications, masses, locations, and map data. Terrestrial ages of the meteorites will be added when enough have been determined. The AMLAMP databases are updated once a year to include any new information.

A variety of field methods has been used to document and determine the locations of meteorites. Crude surveying methods (with an estimated precision of 10 m) were used from the 1978–1979 season until late in the 1983–1984 season, when a theodolite and electronic distance measuring (EDM) instrument became available. During the 1982–1983 season a TRANSIT satellite surveying instrument was used to make precise position determinations of three base stations at the Allan Hills Far Western Icefield (Cassidy *et al.*, 1983). In the following season, an open-survey traverse was made from these points, crossing the Middle Western and Near Western icefields, and ultimately tying into the network established at the Main Icefield by Nishio and Annestad (1979). Although subject to the accumulation of a large error, this traverse tied the icefields together and provided base stations to which individual meteorite locations could be tied.

Two base stations at the Lewis Cliff were initially placed by surveyors from the U.S.G.S. during the 1985–1986 season. The geographic position of one of these was determined by resection methods and is the basis for the network of base stations used for surveying in the Lewis Cliff area. At the Texas Bowl Icefield, during the 1990–1991 field season, a TRANSIT satellite surveying instrument was again used to determine, by translocation, the geographic coordinates of two points used as base stations for the local survey network.

During the 1990–1991 season, Global Positioning System (GPS) receivers were acquired. GPS has become the standard means of determining most base station positions and meteorite positions. All the meteorites from the Queen Alexandra Range–Goodwin Nunataks area, the Wisconsin

Range–Upper Reedy Glacier area, the Patuxent Range–Brazitis Nunatak Icefield, and the Thiel Mountains–Moulton Escarpment Icefield were determined by averaged point positioning of GPS determinations. Tests indicate that the accuracy of this method is highly variable, but at worst is around  $\pm 30$ –40 m. In other areas, a differential method of postprocessing GPS data is used to achieve higher positional accuracy of  $\pm 2$ –8 m. The theodolite/EDM is still used to survey meteorites found in high densities.

## AMLAMP METEORITE LOCATION MAPS

Except in a couple of instances, we have been developing large-scale meteorite location maps of meteorite stranding sites for which the detailed, systematic searches by ANSMET field parties is essentially complete. For other sites, meteorite location data exist and maps are in various stages of development, but formal maps and databases have not been produced. Eighteen map sheets for 13 major meteorite stranding surfaces are currently available, with the Allan Hills–David Glacier Region Map Series and the Beardmore Region Map Series most fully developed.

Maps are plotted either in the Universal Transverse Mercator (UTM) Projection or the Polar Stereographic Projection. These are conformal, plane-rectangular coordinate systems. A grid system is placed on the maps as a visual aid in gauging distances and locating specific meteorites. The grid crosses are based on the UTM coordinate system or on geographic latitude and longitude intersections, depending upon the map projection used, and are at various spacings, due to differences in map scales. For maps plotted in the UTM projection, the UTM coordinate values are included on the map for reference. The crosses define grid cells that can be used in locating specific meteorites using an alphanumeric “street map” system. For example, to locate ALH 84113, find its grid cell in the meteorite listing in the Near Western Icefield chapter. F-8 is the coordinate pair of that grid cell. On the map the numbers are found along the north and south margins and the letters along the east and west sides.

Map scales vary as a function of the long dimensions of the icefields, the densities of data points that must be presented, and limitations of the CAM program and plotting facilities. Where very high densities of meteorites were found, insets of the area at a larger map scale have been added. Geographic latitude and longitude tick marks are located along the map borders. North is always toward the top. Geographical features such as bedrock, moraine, and icefield boundaries have been derived from field data, aerial photos, and satellite images. These were added by hand to draft versions of the maps using projection or zoom transfer scope methods. The feature lines were then digitized. These boundaries should be considered as generalized features in most cases, though meteorite

location and survey data provide some control.

Pairing of meteorites found within a given field season has long been a problem. In many instances a meteorite has been found as fragments obviously scattered downwind over the ice. In some cases, upward of 100 fragments are recovered in such a situation. These have been collected using one field number and therefore are given a single name. The collection teams have documented the limits of these scatter fields and their outlines are plotted on the maps. In many cases meteorites have been collected and mapped as individual specimens, but have been paired later and given a single official name upon processing at JSC, based upon field notes and common features (i.e., fragments that fit together, composition, type, etc.). In some cases, members of pairing groups were found great distances apart. This can pose problems in a spatial database where unique identifiers of points are required. We have chosen to use the meteorite name followed by its fragment number as a means of identifying paired specimens. For example, EET 90053,0 and EET 90053,17 are paired fragments, yet were found almost 2.5 km apart on the Texas Bowl Icefield. Other paired specimens have been found up to 35 km apart.

### EXPLANATORY TEXTS

Explanatory texts for the meteorite location maps are found in the following sections. Detailed background, meteorite, and map information are given for each icefield. Included are listings of all meteorites recovered from the given icefield, except for the Allan Hills Main Icefield 1976-1977, 1977-1978, and 1978-1979 collections, which have been documented by Yanai (1983). The listings of meteorites recovered from the different areas contain information current with the date of this publication. Meteorite name, classification, weight, and grid cell coordinate are provided. Also included in the listings is the *Antarctic Meteorite Newsletter* reference [Vol. (No.)] for each meteorite. In some cases there are multiple newsletter references because of classification changes; these listings give only the issue in which the meteorite was first described. Collections for some of the map areas are yet to be completely classified, so this information could not be included. Also included are tables that list the types of meteorites

recovered and their numbers from a particular icefield. Further information on specific meteorites can be obtained from the *Lunar and Planetary Bibliography* maintained on the VAX computer at the LPI as well as the *Antarctic Meteorite Newsletter*.

Icefields with meteorite concentrations are always associated with single or multiple escarpments or step-like topographic features. The upper break in slope generally parallels the long dimension of an icefield, and usually strikes perpendicular to the direction of ice sheet flow. Slope profiles are given in the explanatory texts for some of the mapped icefields. These profiles are based on widely spaced survey data and field observations, and are therefore only diagrammatic. The profiles were selected in areas where a reasonable amount of survey data were present and they may not be entirely representative of other sections on that particular icefield. The downslope katabatic wind flow, which is responsible for exposing the ice, preventing snow accumulation, contributing to the ablative effects, and the concentration of small meteorite specimens at the downwind ice edge, is generally normal to the escarpments. More complete descriptions of the field settings of meteorite concentrations can be found in *Annexstad et al.* (1986), *Bull and Lipschutz* (1982), *Cassidy and Whillans* (1990), and *Cassidy et al.* (1992).

**Acknowledgments:** The surveying and mapping of the meteorite locations and icefields could not have been accomplished without the assistance and perseverance of ANSMET expedition members, often under adverse conditions. R. Score provided considerable assistance with the JSC meteorite databases. R. Walker provided some of the enlargements of the satellite images used in the explanatory texts and support for AMLAMP and the initial acquisition of GPS equipment. K. Burke, D. Black, K. Leung, and others on the staff of the LPI gave cheerful support and advice on the project. A. Kubala assisted in the production of map and database updates. The LPI Publications and Program Services Department staff contributed significantly to the report. The Meteorite Working Group was also forthcoming with encouragement and support. M. Zolensky offered helpful suggestions and comments on the text. ANSMET field work was conducted under National Science Foundation Grants DPP 77-21742, 78-21104, 83-14496, 88-17083, and 91-17558.

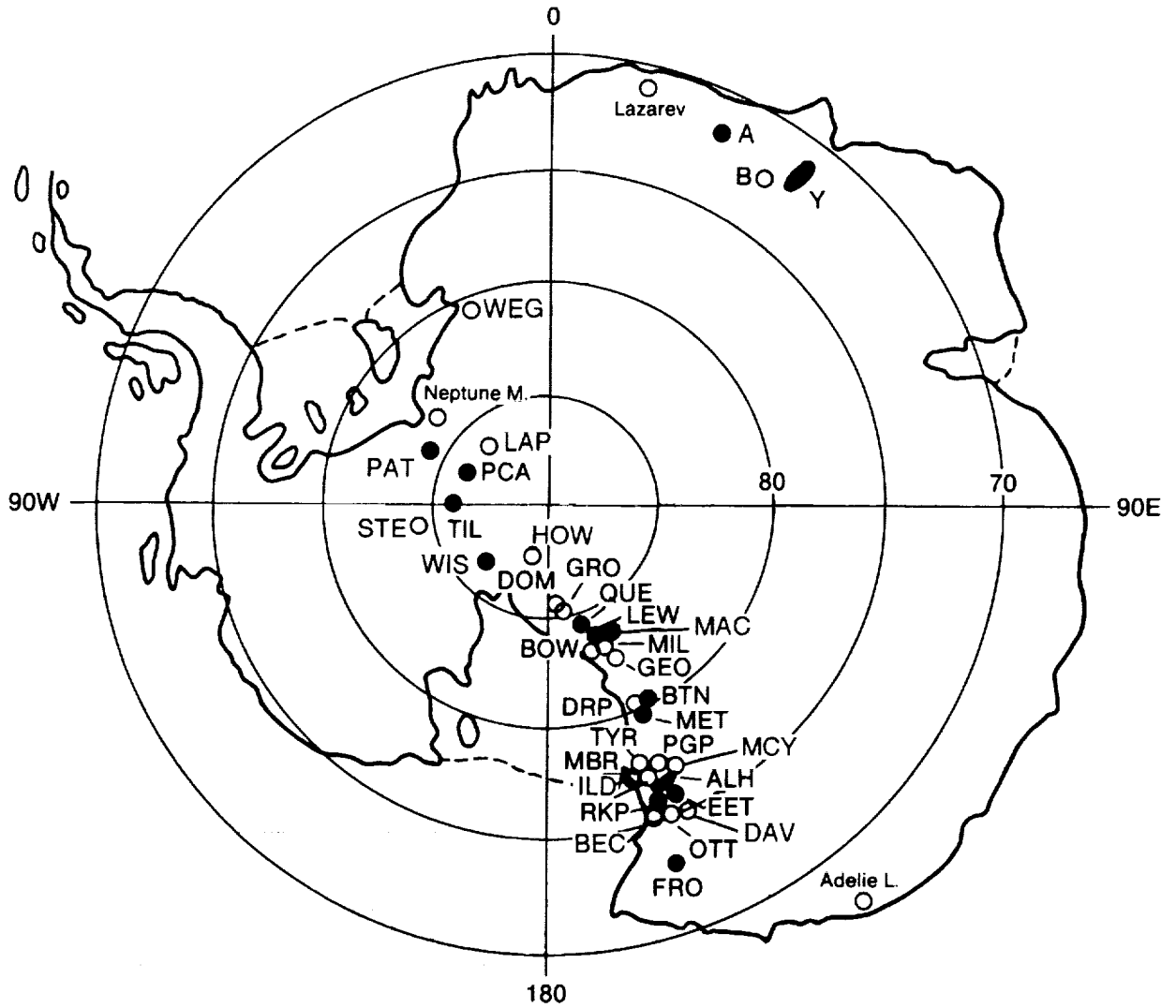


Fig. 1. Find localities of Antarctic meteorites. Filled symbols indicate stranding sites with many specimens.



TABLE 1. Meteorite name abbreviation and coordinates\* of Antarctic meteorite find localities (after *Annexstad et al.*, 1986).

Meteorite Name	Locality	Geographic Coordinates	
A	Asuka Station (Sør Rondane)	72°00'S	025°00'E
ALH	Allan Hills	76°43'S	159°40'E
B	Belgica Mountains	72°35'S	031°15'E
BEC	Beckett Nunatak	76°02'S	160°11'E
BOW	Bowden Névé	83°30'S	165°00'E
BTN	Bates Nunatak	80°15'S	153°30'E
DAV	David Glacier	75°19'S	162°00'E
DOM	Dominion Range	85°20'S	166°30'E
DRP	Derrick Peak	80°04'S	156°23'E
EET	Elephant Moraine	76°11'S	157°10'E
FRO	Frontier Mountains	72°59'S	160°20'E
GEO	Geologists Range	82°30'S	155°30'E
GRO	Grosvenor Mountains	85°40'S	175°00'E
HOW	Mount Howe	87°22'S	149°30'W
ILD	Inland Forts	77°38'S	161°00'E
LAP†	LaPaz Icefield	86°22'S	70°00'W
LEW	Lewis Cliff	84°17'S	161°05'E
MAC	MacAlpine Hills	84°13'S	160°30'E
MBR	Mount Baldr	77°35'S	160°34'E
MCY	Mackay Glacier	76°58'S	162°00'E
MET	Meteorite Hills	79°41'S	155°45'E
MIL	Miller Range	83°15'S	157°00'E
OTT	Outpost Nunatak	75°50'S	158°12'E
PAT	Patuxent Range	84°43'S	064°30'W
PCA	Pecora Escarpment	85°38'S	068°42'W
PGP	Purgatory Peak	77°20'S	162°18'E
QUE	Queen Alexandra Range	84°00'S	168°00'E
RKP	Reckling Moraine Icefield	76°16'S	159°15'E
STE	Stewart Hills	84°12'S	086°00'W
TYR	Taylor Glacier	77°44'S	162°10'E
TIL‡	Thiel Mountains	85°15'S	091°00'W
WEG	Mt. Wegener	80°44'S	023°31'W
WIS	Wisconsin Range	85°45'S	125°00'W
Y	Yamato Mountains	71°30'S	035°40'E

\*The geographic coordinates of the features after which the meteorites are named are derived from *Alberts* (1981) and are not necessarily a representative location coordinate for the meteorite stranding surface or their find sites.

†The LaPaz Icefield is a previously unknown geographic feature some distance from any officially named feature. The name is informally used at this time.

‡The earlier individual meteorite finds named Adelie Land (1912), Lazarev (1961), Neptune Mountains (1964), and Thiel Mountains (1961) do not have name prefixes. TIL represents the current name prefix for later finds in the Thiel Mountains region.

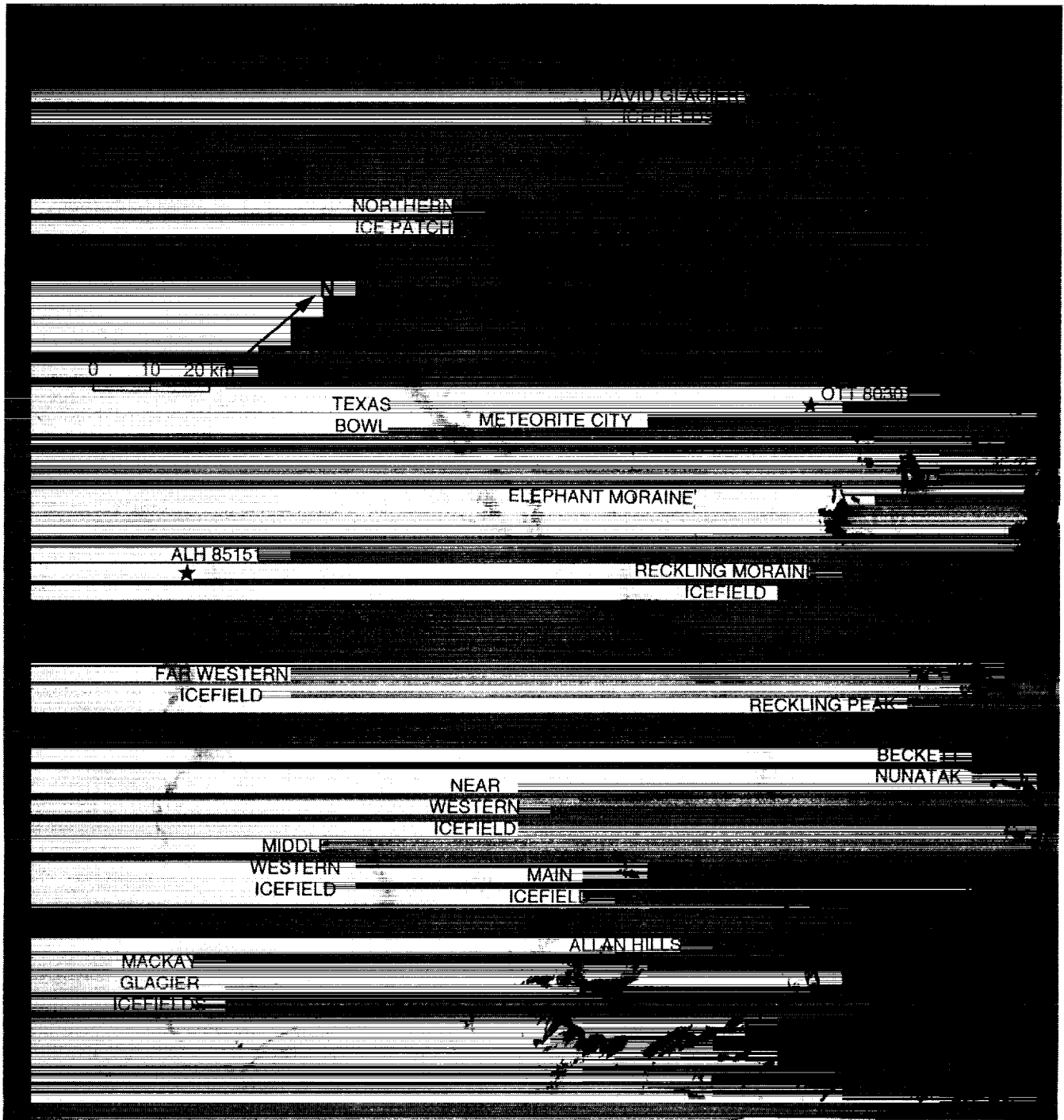


Fig. 2. Satellite image of the Allan Hills David Glacier region, Victoria Land. (Enhanced image courtesy of the U.S.G.S.)

## ALLAN HILLS–DAVID GLACIER REGION METEORITE LOCATION MAP SERIES

The Allan Hills–David Glacier region (covered by the 1:250,000-scale U.S. Geological Survey Convoy Range and Mt. Joyce maps) of Victoria Land has been an important source of meteorite specimens since the initial discovery of meteorites at the Allan Hills in the austral summer of 1976–1977. Approximately 3300 meteorite specimens have been recovered from icefields in the region. Figure 2 shows the major icefields and features in the region. Most of the collection work in the early years of the Antarctic Search for Meteorites project (ANSMET) concentrated on systematic searches of the icefield in the immediate vicinity of the Allan Hills (the Main Icefield), but reconnaissance and subsequent systematic searches of ice patches lying some distance to the west and southwest indicated meteorites in significant numbers. These are geographically distinct from the Main Icefield and are now called the Allan Hills Near Western Icefield, the Allan Hills Middle Western Icefield, and the Allan Hills Far Western Icefield. Reconnaissance of the Reckling Moraine Icefield and Elephant Moraine Icefield in 1978–1979 and 1979–1980, respectively, showed there was good potential for meteorite concentrations at those sites. Subsequent systematic searches there resulted in the recovery of significant numbers of meteorites. In 1982–1983 and 1987–1988, reconnaissance of icefields to the west and north of Elephant Moraine resulted in the discovery of local areas with abundant meteorites, now informally referred to as Texas Bowl, Meteorite City, and the Northern Ice Patch.

The following maps (with the latest edition) of the Allan Hills–David Glacier Region Meteorite Location Map Series have been developed and are currently available.

*Allan Hills Main Icefield Meteorite Location Map, North Section (1993 edition)*

*Allan Hills Main Icefield Meteorite Location Map, South Section (1993 edition)*

*Allan Hills Near Western Icefield Meteorite Location Map (1987 edition)*

*Allan Hills Middle Western Icefield Meteorite Location Map (1987 edition)*

*Allan Hills Far Western Icefield Meteorite Location Map, West Section (1987 edition)*

*Allan Hills Far Western Icefield Meteorite Location Map, East Section (1991 edition)*

*Elephant Moraine–Elephant Moraine Icefield Meteorite Location Map (1991 edition)*

*Elephant Moraine–Texas Bowl Icefield Meteorite Location Map (1993 edition)*

*Elephant Moraine–Northern Ice Patch Meteorite Location Map (1993 edition)*

*Reckling Peak–Reckling Moraine Icefield (1993 edition)*

There have been finds of single or limited numbers of meteorites from other locations in the region. One specimen (OTT 80301) was found mixed in with abundant terrestrial material on ice near Outpost Nunatak. Another specimen (ALH 85151) was recovered from a small, isolated icefield 15 km north of the Allan Hills Far Western Icefield. These locations are indicated in Fig. 2. During reconnaissance in 1992–1993 two specimens were found on small ice patches north of Beckett Nunatak. North of the Elephant Moraine Northern Ice Patch, at the head of the David Glacier, eight specimens were recovered from some of the David Glacier icefields. Four meteorites were discovered on small, isolated ice areas at the head of the Mackay Glacier, southeast of the Far Western Icefield, again during reconnaissance in 1992–1993.



Fig. 3. Enlarged portion of satellite image showing the Allan Hills Main Icefield and the area covered by the north and south sections of the meteorite location maps. Locations of slope profiles are also shown.

## ALLAN HILLS MAIN ICEFIELD

The Allan Hills Main Icefield is located immediately west of the Y-shaped Allan Hills nunatak (Fig. 2). Approximately 75 km<sup>2</sup> of ice is exposed on this northward-trending icefield. Nearly 22 km long and 7.5 km at the widest point, this icefield has yielded approximately 1200 named meteorites. Figure 3 shows the area covered by the Main Icefield map sheets and the locations of two slope profiles (Fig. 4). *Annexstad* (1983) and *Faure and Buchanan* (1987) provide detailed descriptions of the Main Icefield area, and attempt to explain the meteorite concentration mechanism(s). *Delisle et al.* (1989) conducted a radio-echo sounding survey across the Main Icefield.

The Allan Hills Main Icefield was the first meteorite concentration locality found in the Transantarctic Mountains. At the close of the 1976–1977 field season a helicopter reconnaissance visit resulted in the recovery of 45 specimens representing 9 individual meteorites. Detailed foot searches in the next two seasons produced nearly 560 specimens. Eighty-five specimens were recovered in random searches during visits to the Main Icefield in the 1979–1980 and 1980–1981 seasons. Systematic searching was continued during the 1981–1982 season when nearly all the exposed ice area of the Main Icefield was searched in detail or visited on reconnaissance traverses, resulting in the recovery of 261 specimens. Brief periodic return visits by ANSMET expeditions have resulted in additional finds in the 1983–1984 (28), 1984–1985 (35), 1985–1986 (17), 1986–1987 (13), 1987–1988 (6), and 1990–1991 (6) seasons. During the 1988–1989 season a German expedition (GANOVEX) conducting radio-echo sounding studies in the area recovered 163 specimens from the Main Icefield (*Delisle et al.*, 1989). These meteorites were transferred to the EUROMET group for curation. Table 2 is a tabulation of types of meteorites and their numbers from the Allan Hills Main Icefield.

Yanai's meteorite location map (1984) shows the locations of meteorites recovered during the 1976–1977, 1977–1978, and 1978–1979 seasons. With certain exceptions, detailed in the next paragraphs, the specimens recovered from the Main Icefield in the following seasons for which we have reliable location data are plotted on the Allan Hills Main Icefield Meteorite Location Map, North and South Sections. Because of the size of the icefield and the high density of meteorite specimens, two map sections had to be produced. Reduced-scale examples of the North and South map sections are shown in Figs. 5 and 6. The maps are plotted in the UTM (zone 57) projection at a scale of 1:10,000. Grid cells are at 1-km intervals.

A small number of meteorites have been found in the vicinity of the Allan Hills or on the Main Icefield areas not covered by the map sections. One specimen (ALH 84243) was found on bedrock in Man Haul Bay, far removed from any ice (Fig. 3). Only one meteorite has been found on the ice in Man Haul Bay (see *Yanai*, 1984). Seven meteorites (ALHA 81037, ALHA 81093, ALHA 81100, ALH 84056, ALH 84071, ALH 84101, and ALH 85122) have been found on ice during random traverses and searches north of the mapped area. Other meteorites have been found on outcrop, apparently stranded by retreating ice. Three specimens (ALH 85037, ALH 85048, ALH 85123) were found on bedrock 2–4 m above the present ice surface near the south end of the icefield.

Most of the meteorite locations on the Main Icefield have been referenced to the survey network established by *Nishio and Annexstad* (1979) or to surveyed geographic features. Field note and sketch map data were used to document the locations of meteorites found during the 1979–1980 and 1980–1981 seasons. Crude locating or surveying methods (pelorus and snowmobile odometer) were used in the 1981–1982 season. In the 1983–1984 season we began to use a theodolite and EDM to precisely survey meteorite locations. The locations of the 1986–1987 meteorites were obtained from sketch map data provided by G. Faure. All meteorites that were not surveyed with the theodolite/EDM were plotted on a hand-drawn base map. The data points were then digitized along with the geographic features. The map was generated from merged databases of digitized and computed meteorite locations. Therefore, even though most of the meteorite locations not derived from the theodolite/EDM survey are not precisely determined, the locations of those meteorites found within a given season are accurately shown relative to one another. Since there are many precise control stations, the meteorite locations determined by the different location methods can be constrained so that the map accurately shows the distribution of meteorites on the icefield.

Several updated editions of the meteorite location maps have been produced since 1987. The latest edition (1993) of the Main Icefield meteorite location maps corrects the improper placement of several meteorites from the 1988 collection (ALH 88024, ALH 88054, and ALH 88135) and adds two meteorites for which data were not available earlier (ALH 88051 and ALH 88052). Icefield features were redigitized with better techniques.

For additional information on the meteorites from the 1988 collection, refer to *Meteoritical Bulletin* 69, 70, and 72 (*Wlotzka*, 1990, 1991, 1992).

TABLE 2. Tabulation of meteorite types from the Allan Hills Main Icefield (1979–1990 collections).

Number of Specimens	Classification
2	Achondrite (unique)
2	Carbonaceous C2
1	Carbonaceous C3V
2	Carbonaceous CM
1	Diogenite/mesosiderite
1	E-4 chondrite
1	EH-3 chondrite
3	Eucrite
1	Eucrite (anomalous)
6	Eucrite (polymict)
1	Eucritic breccia
1	H chondrite
2	H(?) chondrite
2	H-3 chondrite
39	H-4 chondrite
1	H-4,5 chondrite
213	H-5 chondrite
1	H-5 chondrite breccia
1	H-5 chondrite with inclusions
5	H-5,6 chondrite
1	H-5,6 chondrite breccia
77	H-6 chondrite
1	H-6,7 chondrite
1	Iron
1	Iron-ataxite
1	Iron-octahedrite
2	L(LL3?) chondrite
33	L-3 chondrite
1	L-3 or LL-3 chondrite
1	L-3,4 chondrite
6	L-4 chondrite
12	L-5 chondrite
66	L-6 chondrite
2	LL-3 chondrite
1	LL-5 chondrite
3	LL-6 chondrite
1	Ureilite
114	Unclassified
610	Total

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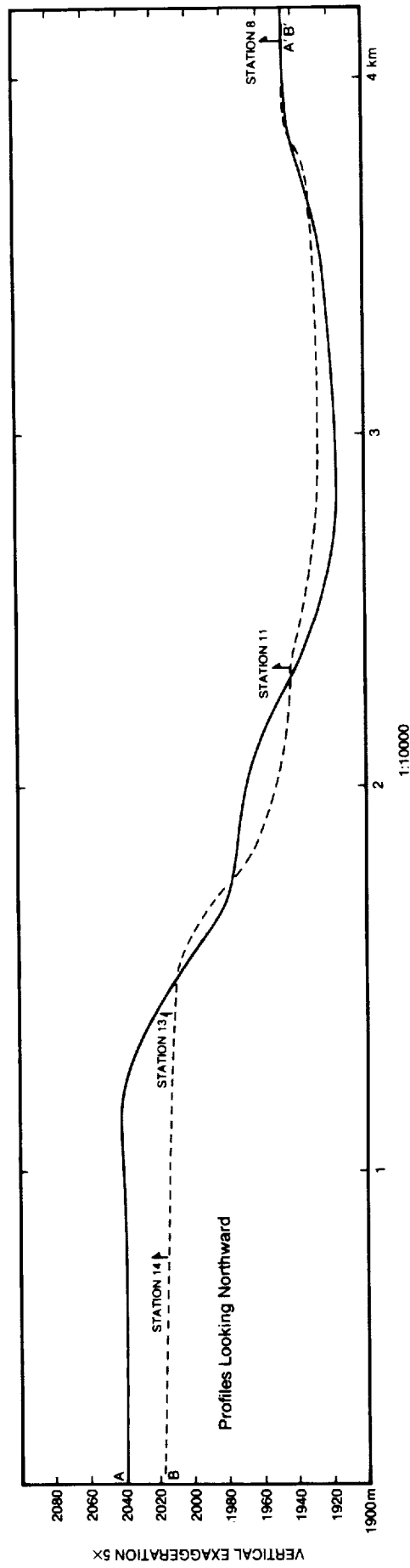


Fig. 4. Slope profiles of the Allan Hills Main Icefield.

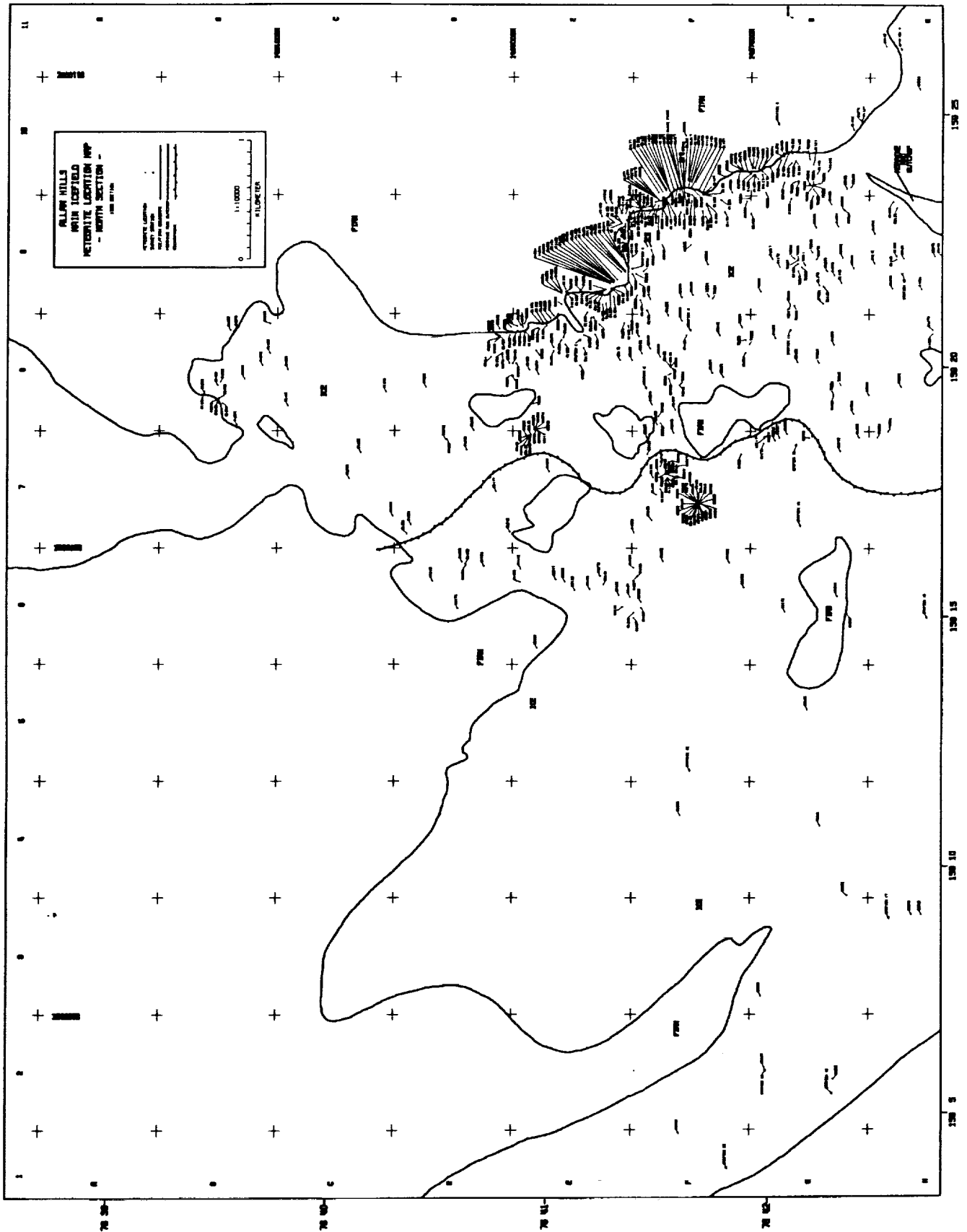


Fig. 5. Reduced example of the Allan Hills Main Icefield Meteorite Location Map, North Section.



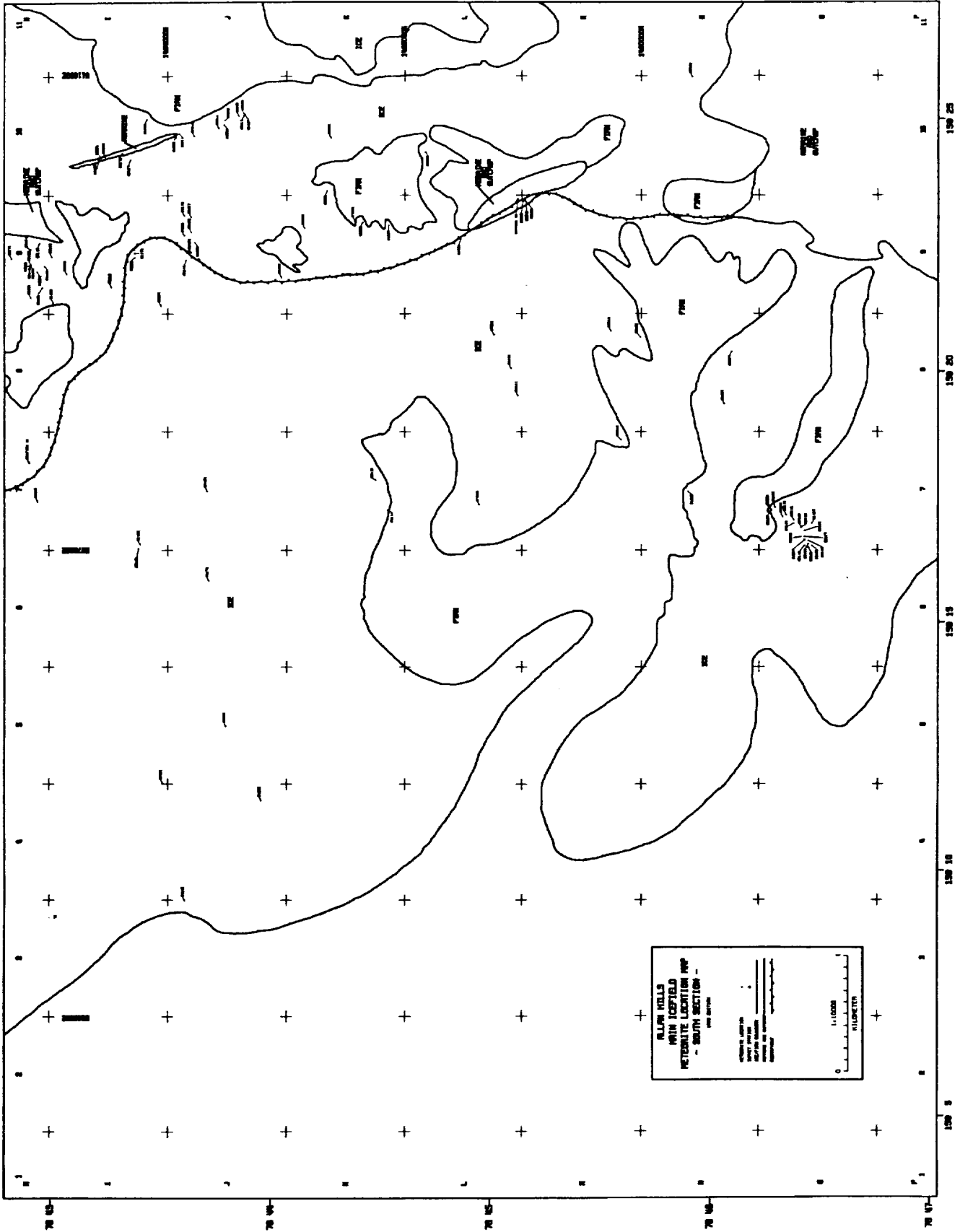


Fig. 6. Reduced example of the Allan Hills Main Icefield Meteorite Location Map, South Section.

Listing of meteorites recovered from the Allan Hills Main Icefield (1979, 1980,  
1981, 1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALHA79001	L-3 chondrite	32.3	G-9	4(1)
ALHA79002	H-6 chondrite	222.8	G-10	4(1)
ALHA79003	LL-3 chondrite	5.1	E-9	4(1)
ALHA79004	H-5 chondrite w/encl.	34.9	G-10	4(1)
ALHA79005	H-6 chondrite	60.0	G-9	4(1)
ALHA79006	H-5 chondrite	41.0	G-9	4(1)
ALHA79007	L-6 chondrite	142.3	F-8	4(1)
ALHA79008	H-5 chondrite	12.0	G-8	4(1)
ALHA79009	H-5 chondrite	75.7	G-10	4(1)
ALHA79010	H-5 chondrite	25.1	F-8	4(1)
ALHA79011	H-5 chondrite	14.0	G-9	4(1)
ALHA79012	H-5 chondrite	191.9	?	4(1)
ALHA79013	H-5 chondrite	28.3	G-8	4(1)
ALHA79014	H-5 chondrite	10.8	?	4(1)
ALHA79015	H-5 chondrite	64.0	G-8	4(1)
ALHA79016	H-6 chondrite	1146.0	?	4(1)
ALHA79017	Eucrite (polymict)	310.0	G-9	4(1)
ALHA79018	L-6 chondrite	120.7	G-10	4(1)
ALHA79019	H-6 chondrite	12.1	F-9	4(1)
ALHA79020	H-6 chondrite	4.2	E-8	4(1)
ALHA79021	H-5 chondrite	29.4	F-9	4(1)
ALHA79022	L-3,4 chondrite	31.4	G-10	4(1)
ALHA79023	H-4 chondrite	68.1	G-10	4(1)
ALHA79024	H-6 chondrite	21.6	?	4(1)
ALHA79025	H-5 chondrite	1208.0	?	4(1)
ALHA79026	H-5 chondrite	572.0	?	4(1)
ALHA79027	L-6 chondrite	133.2	G-2	4(1)
ALHA79028	H-6 chondrite	16.3	G-9	4(1)
ALHA79029	H-5 chondrite	505.5	?	4(1)
ALHA79031	H-5 chondrite	2.7	G-10	4(1)
ALHA79032	H-5 chondrite	2.6	G-10	4(1)
ALHA79033	L-6 chondrite	280.8	G-9	4(1)
ALHA79034	H-6 chondrite	12.6	H-7	4(1)
ALHA79035	H-4 chondrite	37.6	F-8	4(1)
ALHA79036	H-5 chondrite	20.2	G-4	4(1)
ALHA79037	H-6 chondrite	14.8	G-9	4(1)
ALHA79038	H-5 chondrite	49.7	G-10	4(1)
ALHA79039	H-4 chondrite	108.3	?	4(1)
ALHA79040	H-5 chondrite	13.2	G-10	4(1)
ALHA79041	H-5 chondrite	20.1	F-9	4(1)
ALHA79042	H-5 chondrite	11.5	E-9	4(1)
ALHA79043	L-6 chondrite	62.2	G-9	4(1)
ALHA79045	L-3 chondrite	115.4	G-10	4(1)
ALHA79046	H-5 chondrite	89.7	G-9	4(1)
ALHA79047	H-5 chondrite	19.3	G-9	4(1)
ALHA79048	H-5 chondrite	36.7	?	4(1)
ALHA79049	H-6 chondrite	54.0	?	4(1)
ALHA79050	H-5 chondrite	27.0	F-8	4(1)
ALHA79051	H-5 chondrite	23.9	G-8	4(1)
ALHA79052	L-6 chondrite	22.6	F-9	4(1)
ALHA79053	H-5 chondrite	86.1	F-8	4(1)
ALHA79054	H-5 chondrite	36.0	F-9	4(1)
ALHA79055	H-6 chondrite	15.3	G-9	4(1)

Listing of meteorites recovered from the Allan Hills Main Icefield (1977, 1980, 1981, 1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALHA80101	L-6 chondrite	8725.0	O-7	5(1)
ALHA80102	Eucrite (polymict)	471.2	F-6	5(1)
ALHA80103	L-6 chondrite	535.9	O-7	5(1)
ALHA80104	Iron ataxite	882.0	J-7	5(1)
ALHA80105	L-6 chondrite	445.1	O-7	5(1)
ALHA80106	H-4 chondrite	432.2	F-6	5(1)
ALHA80107	L-6 chondrite	177.8	O-7	5(1)
ALHA80108	L-6 chondrite	124.5	O-7	5(1)
ALHA80110	L-6 chondrite	167.6	O-7	5(1)
ALHA80111	H-5 chondrite	42.4	L-8	5(1)
ALHA80112	L-6 chondrite	330.7	O-7	5(1)
ALHA80113	L-6 chondrite	312.6	O-7	5(1)
ALHA80114	L-6 chondrite	232.8	O-7	5(1)
ALHA80115	L-6 chondrite	306.0	O-7	5(1)
ALHA80116	L-6 chondrite	191.2	O-7	5(1)
ALHA80117	L-6 chondrite	89.0	O-7	5(1)
ALHA80118	H-6 chondrite	2.4	M-7	5(1)
ALHA80119	L-6 chondrite	33.7	O-7	5(1)
ALHA80120	L-6 chondrite	60.1	O-7	5(1)
ALHA80121	H-4 chondrite	39.1	H-9	5(1)
ALHA80122	H-6 chondrite	49.8	F-8	5(1)
ALHA80123	H-5 chondrite	27.8	F-9	5(1)
ALHA80124	H-5 chondrite	12.0	F-8	5(1)
ALHA80125	L-6 chondrite	139.2	O-7	5(1)
ALHA80126	H-6 chondrite	34.5	K-7	5(1)
ALHA80127	H-5 chondrite	47.5	E-6	5(1)
ALHA80128	H-4 chondrite	138.2	E-6	5(1)
ALHA80129	H-5 chondrite	93.4	E-6	5(1)
ALHA80130	H-6 chondrite	5.3	F-9	5(1)
ALHA80131	H-4 chondrite	19.8	F-9	5(1)
ALHA80132	H-5 chondrite	152.8	M-8	5(1)
ALHA80133	L-3 chondrite	3.6	F-9	5(1)
ALHA81001	Eucrite (anomalous)	52.9	G-10	6(1)
ALHA81002	Carbonaceous C2	14.0	B-8	6(1)
ALHA81003	Carbonaceous C3V	10.1	G-6	6(1)
ALHA81006	Eucrite (polymict)	254.9	F-6	6(1)
ALHA81007	Eucrite (polymict)	163.5	F-6	6(1)
ALHA81008	Eucrite (polymict)	43.8	F-10	6(1)
ALHA81009	Eucrite	229.0	F-7	7(1)
ALHA81010	Eucrite (polymict)	219.1	E-9	6(1)
ALHA81011	Eucritic breccia	405.7	J-10	6(1)
ALHA81012	Eucrite	36.7	G-7	6(1)
ALHA81014	Iron	188.2	H-9	6(1)
ALHA81017	L-5 chondrite	1434.4	O-7	6(1)
ALHA81020	H-5 chondrite	1352.5	F-1	6(1)
ALHA81024	L-3 chondrite	797.7	D-6	6(1)
ALHA81025	L-3 chondrite	379.0	F-9	6(1)
ALHA81026	L-6 chondrite	515.5	E-8	6(1)
ALHA81027	L-6 chondrite	3835.3	F-6	6(1)
ALHA81028	L-6 chondrite	80.1	F-6	6(2)
ALHA81029	L-6 chondrite	153.0	F-7	6(2)
ALHA81030	L-3 chondrite	1851.6	G-9	6(1)
ALHA81031	L-3 chondrite	1594.9	G-9	6(1)

Listing of meteorites recovered from the Allan Hills Main Icefield (1979, 1980, 1981,  
1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALHA81032	L-3 chondrite	726.8	F-9	6(1)
ALHA81035	H-6 chondrite	256.1	F-6	6(1)
ALHA81037	H-6 chondrite	320.3	?	6(1)
ALHA81038	H-6 chondrite	229.0	F-6	6(1)
ALHA81039	H-5 chondrite	205.9	F-4	6(1)
ALHA81040	L-4 chondrite	194.5	E-6	6(1)
ALHA81053	L-3 chondrite	2.5	E-9	6(2)
ALHA81054	H-6 chondrite	2.2	E-9	6(2)
ALHA81055	H-6 chondrite	4.6	E-9	6(2)
ALHA81056	H-4 chondrite	1.4	E-9	6(2)
ALHA81057	H-4 chondrite	8.4	E-9	6(2)
ALHA81060	L-3 chondrite	28.3	G-10	6(2)
ALHA81061	L-3 chondrite	23.7	G-10	6(2)
ALHA81062	H-5 chondrite	0.5	B-8	6(2)
ALHA81063	H-5 chondrite	4.9	B-8	6(2)
ALHA81064	H-5 chondrite	191.0	F-9	6(2)
ALHA81065	L-3 chondrite	13.1	E-9	6(2)
ALHA81066	L-3 chondrite	8.7	E-9	6(2)
ALHA81067	H-5 chondrite	227.6	F-8	6(1)
ALHA81068	H-4 chondrite	23.7	E-9	6(2)
ALHA81069	L-3 chondrite	7.2	E-9	6(2)
ALHA81070	H-5 chondrite	3.7	D-8	6(2)
ALHA81071	H-5 chondrite	2.5	E-8	6(2)
ALHA81072	H-5 chondrite	3.2	F-10	6(2)
ALHA81073	H-4 chondrite	3.3	F-10	6(2)
ALHA81074	H-4 chondrite	8.0	F-10	6(2)
ALHA81075	H-5 chondrite	15.7	G-9	6(2)
ALHA81076	H-6 chondrite	10.3	G-9	6(2)
ALHA81077	H-5 chondrite	4.2	F-9	6(2)
ALHA81078	H-6 chondrite	5.9	F-9	6(2)
ALHA81079	H-6 chondrite	7.5	F-9	6(2)
ALHA81080	H-5 chondrite	16.7	F-9	6(2)
ALHA81081	H-5 chondrite	5.0	F-10	6(2)
ALHA81082	H-5 chondrite	5.9	F-10	6(2)
ALHA81083	H-5 chondrite	6.6	F-10	6(2)
ALHA81084	H-5 chondrite	15.7	F-10	6(2)
ALHA81085	L-3 chondrite	16.2	F-10	6(2)
ALHA81086	H-6 chondrite	5.7	F-10	6(2)
ALHA81087	L-3 chondrite	8.4	F-10	6(2)
ALHA81088	H-5 chondrite	3.8	F-10	6(2)
ALHA81089	H-5 chondrite	11.2	F-10	6(2)
ALHA81090	H-5 chondrite	9.5	F-10	6(2)
ALHA81091	H-5 chondrite	12.2	F-10	6(2)
ALHA81092	H-4 chondrite	15.6	F-10	6(2)
ALHA81093	H-6 chondrite	271.0	?	6(1)
ALHA81096	H-6 chondrite	83.0	C-8	6(2)
ALHA81097	H-4 chondrite	79.9	N-8	6(2)
ALHA81100	H-5 chondrite	154.6	?	6(2)
ALHA81101	Ureilite	119.2	L-8	6(2)
ALHA81102	H-6 chondrite	196.0	G-10	6(1)
ALHA81105	H-4 chondrite	92.7	E-6	6(2)
ALHA81107	L-6 chondrite	139.6	O-7	6(2)
ALHA81108	H-5 chondrite	69.1	G-8	6(2)

Listing of meteorites recovered from the Allan Hills Main Icefield (1977, 1980, 1981,  
1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALHA81109	H-4 chondrite	1.1	E-8	6(2)
ALHA81110	H-5 chondrite	3.0	E-9	6(2)
ALHA81112	H-6 chondrite	150.3	E-6	6(2)
ALHA81114	H-4 chondrite	79.3	E-6	6(2)
ALHA81115	H-5 chondrite	154.9	D-6	6(2)
ALHA81116	H-5 chondrite	1.7	E-9	6(2)
ALHA81117	H-4 chondrite	32.9	G-10	6(2)
ALHA81118	H-5 chondrite	84.7	C-8	6(2)
ALHA81120	H-5 chondrite	13.8	G-9	6(2)
ALHA81121	L-3 chondrite	88.4	G-10	6(2)
ALHA81122	L-6 chondrite	20.9	G-10	6(2)
ALHA81124	H-5 chondrite	9.3	G-9	6(2)
ALHA81125	H-5 chondrite	10.2	E-9	6(2)
ALHA81126	H-5 chondrite	21.5	E-9	6(2)
ALHA81127	H-6 chondrite	15.4	G-10	6(2)
ALHA81128	H-5 chondrite	15.9	E-9	7(1)
ALHA81129	H-5 chondrite	31.6	F-8	7(1)
ALHA81130	H-5 chondrite	29.9	F-10	7(1)
ALHA81131	L-6 chondrite	12.9	F-7	7(1)
ALHA81132	H-5 chondrite	5.4	F-8	7(1)
ALHA81133	H-5 chondrite	20.7	F-10	7(1)
ALHA81134	H-6 chondrite	15.4	H-9	7(1)
ALHA81135	H-5 chondrite	9.5	F-10	7(1)
ALHA81136	H-5 chondrite	1.2	E-9	6(2)
ALHA81137	H-6 chondrite	9.4	F-10	7(1)
ALHA81138	H-5 chondrite	4.3	E-9	7(1)
ALHA81139	H-5 chondrite	7.1	E-8	7(1)
ALHA81140	H-4 chondrite	14.4	H-9	7(1)
ALHA81141	H-5 chondrite	1.5	E-9	7(1)
ALHA81142	H-4 chondrite	1.2	B-8	7(1)
ALHA81143	H-5 chondrite	12.5	D-8	7(1)
ALHA81144	H-5 chondrite	3.0	E-9	7(1)
ALHA81145	L-3 chondrite	21.1	F-7	7(1)
ALHA81146	H-6 chondrite	23.8	H-9	7(1)
ALHA81147	H-4 chondrite	1.7	F-10	7(1)
ALHA81148	H-5 chondrite	13.3	G-9	7(1)
ALHA81149	H-4 chondrite	8.8	E-9	7(1)
ALHA81150	L-6 chondrite	1.9	F-9	7(1)
ALHA81151	LL-5 chondrite	5.1	F-9	7(1)
ALHA81152	H-5 chondrite	10.3	E-8	7(1)
ALHA81153	L-5 chondrite	4.2	E-9	6(2)
ALHA81154	H-6 chondrite	1.1	E-8	6(2)
ALHA81155	H-5 chondrite	4.5	F-10	7(1)
ALHA81156	L-3 chondrite	19.7	F-10	7(1)
ALHA81157	H-4 chondrite	11.8	F-9	7(1)
ALHA81158	H-5 chondrite	2.4	E-9	6(2)
ALHA81159	L-6 chondrite	10.3	?	7(1)
ALHA81160	H-6 chondrite	11.7	I-9	7(1)
ALHA81162	L-3 chondrite	59.4	F-7	7(1)
ALHA81163	H-5 chondrite	82.2	G-10	7(1)
ALHA81164	H-5 chondrite	20.1	E-9	7(1)
ALHA81165	H-5 chondrite	6.3	B-8	7(1)
ALHA81166	H-5 chondrite	26.3	E-9	7(1)

Listing of meteorites recovered from the Allan Hills Main Icefield (1979, 1980, 1981,  
1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALHA81168	H-5 chondrite	8.2	E-8	7(1)
ALHA81169	H-5 chondrite	5.6	E-8	7(1)
ALHA81170	H-5 chondrite	59.0	G-7	7(1)
ALHA81171	H-5 chondrite	23.7	E-9	7(1)
ALHA81172	L-6 chondrite	33.4	G-9	7(1)
ALHA81173	H-5 chondrite	25.8	G-6	7(1)
ALHA81174	H chondrite	33.3	D-6	7(1)
ALHA81175	H-5 chondrite	13.2	H-9	7(1)
ALHA81176	H-5 chondrite	94.5	G-10	7(1)
ALHA81177	H-4 chondrite	17.3	F-10	7(1)
ALHA81178	H-5 chondrite	29.9	E-9	7(1)
ALHA81179	H-5 chondrite	13.7	I-9	7(1)
ALHA81180	H-6 chondrite	16.6	G-10	7(2)
ALHA81181	L-6 chondrite	15.0	G-10	7(2)
ALHA81182	H-5 chondrite	4.6	D-6	7(2)
ALHA81183	H-5 chondrite	104.2	C-7	7(2)
ALHA81184	L-4 chondrite	16.7	D-6	7(2)
ALHA81186	H-5 chondrite	22.7	H-9	7(2)
ALHA81187	Achondrite (unique)	40.0	F-8	7(2)
ALHA81188	H-5 chondrite	8.7	B-8	7(2)
ALHA81189	E-4 chondrite	2.6	I-7	7(2)
ALHA81190	L-3 chondrite	48.3	G-10	7(2)
ALHA81191	L-3 chondrite	30.4	F-9	7(2)
ALHA81192	H-5 chondrite	8.9	C-8	7(2)
ALHA81193	H-6 chondrite	13.4	F-9	7(2)
ALHA81194	H-5 chondrite	17.0	E-9	7(2)
ALHA81195	H-5 chondrite	4.9	E-9	7(2)
ALHA81196	H-6 chondrite	9.4	B-8	7(2)
ALHA81198	L-5 chondrite	0.5	F-10	7(2)
ALHA81199	H-4 chondrite	16.0	E-8	7(2)
ALHA81200	H-4 chondrite	9.5	E-8	7(2)
ALHA81201	H-5 chondrite	6.5	E-8	7(2)
ALHA81202	H-5 chondrite	5.4	F-9	7(2)
ALHA81203	L-6 chondrite	3.8	F-10	7(2)
ALHA81204	H-6 chondrite	7.3	E-9	7(2)
ALHA81205	L-6 chondrite	2.8	F-9	7(2)
ALHA81206	H-4 chondrite	3.8	E-8	7(2)
ALHA81208	Diogenite/mesosiderite	1.6	E-9	7(2)
ALHA81210	H-6 chondrite	0.6	E-9	8(1)
ALHA81211	H-5 chondrite	7.2	E-9	8(1)
ALHA81212	H-4 chondrite	11.5	D-7	8(1)
ALHA81213	H-5 chondrite	2.9	E-8	7(2)
ALHA81214	L-3 chondrite	4.4	E-9	7(2)
ALHA81215	H-5 chondrite	11.2	H-7	7(2)
ALHA81216	H-5 chondrite	2.4	B-8	8(1)
ALHA81217	L-6 chondrite	5.4	G-9	7(2)
ALHA81218	H-5 chondrite	5.5	E-9	7(2)
ALHA81219	H-5 chondrite	24.4	E-7	8(1)
ALHA81220	H-5 chondrite	3.5	E-8	8(1)
ALHA81223	H-6 chondrite	9.5	H-8	8(1)
ALHA81224	H-6 chondrite	13.6	E-8	8(1)
ALHA81225	H-6 chondrite	13.9	G-9	8(1)
ALHA81226	H-5 chondrite	2.9	E-8	8(1)

Listing of meteorites recovered from the Allan Hills Main Icefield (1977, 1980, 1981,  
1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALHA81227	H-5 chondrite	11.3	F-10	8(1)
ALHA81228	H-5 chondrite	7.7	F-9	8(1)
ALHA81229	L-3 chondrite	40.0	F-8	8(1)
ALHA81230	H-5 chondrite	12.5	E-9	8(1)
ALHA81231	H-4 chondrite	9.2	G-10	8(1)
ALHA81232	H-5 chondrite	4.6	E-9	8(1)
ALHA81233	H-5 chondrite	25.0	B-8	8(1)
ALHA81234	H-4 chondrite	4.7	E-9	8(1)
ALHA81235	L-6 chondrite	6.7	E-8	8(1)
ALHA81236	H-5 chondrite	40.9	G-8	8(1)
ALHA81237	H-5 chondrite	26.9	E-9	8(1)
ALHA81238	H-5 chondrite	24.1	G-10	8(1)
ALHA81239	H-5 chondrite	31.6	C-7	8(1)
ALHA81240	H-5 chondrite	41.3	F-6	8(1)
ALHA81242	H-5 chondrite	19.9	F-7	8(1)
ALHA81243	L-3 chondrite	15.0	F-9	8(1)
ALHA81244	H-5 chondrite	4.6	F-6	8(1)
ALHA81245	H-5 chondrite	3.8	E-9	8(1)
ALHA81246	H-5 chondrite	3.4	G-10	8(1)
ALHA81248	H-6 chondrite	4.9	E-9	8(1)
ALHA81249	H-5 chondrite	10.4	H-9	8(1)
ALHA81250	H-6 chondrite	16.9	F-10	8(1)
ALHA81251	LL-3 chondrite	158.0	D-8	6(2)
ALHA81252	H-5 chondrite	2.1	E-9	8(1)
ALHA81253	H-6 chondrite	10.2	E-9	8(1)
ALHA81254	H-6 chondrite	8.6	E-9	8(1)
ALHA81255	H-5 chondrite	11.5	F-9	8(1)
ALHA81256	H-5 chondrite	28.5	D-7	8(1)
ALHA81257	L-6 chondrite	28.7	B-8	8(1)
ALHA81259	L-3 chondrite	9.9	G-10	8(1)
ALHA81261	H(?) chondrite	11.8	F-9	8(1)
ALHA81262	L-6 chondrite	55.5	O-7	8(1)
ALHA81263	H-5 chondrite	6.0	F-8	8(1)
ALHA81265	H-5 chondrite	7.5	G-10	8(1)
ALHA81266	L-6 chondrite	12.3	N-7	8(1)
ALHA81268	H-6 chondrite	17.9	D-8	8(1)
ALHA81269	H-5 chondrite	4.7	E-9	8(1)
ALHA81270	H-5 chondrite	3.8	B-8	8(1)
ALHA81271	H-6 chondrite	27.6	G-10	8(1)
ALHA81272	L-3 chondrite	22.9	G-10	8(1)
ALHA81273	H-6 chondrite	42.8	H-8	8(1)
ALHA81274	H-5 chondrite	18.5	F-9	8(1)
ALHA81275	H-5 chondrite	11.1	G-9	8(1)
ALHA81276	H-5 chondrite	42.3	E-6	8(1)
ALHA81277	H-5 chondrite	6.6	F-9	8(1)
ALHA81278	L-6 chondrite	1.1	B-8	8(1)
ALHA81280	L-3 chondrite	54.9	G-10	8(1)
ALHA81281	H-5 chondrite	45.6	D-7	8(1)
ALHA81282	L-6 chondrite	31.1	F-10	8(1)
ALHA81283	H-5 chondrite	0.6	E-9	8(1)
ALHA81284	H-5 chondrite	9.9	E-8	8(1)
ALHA81285	LL-6 chondrite	20.0	B-8	8(1)
ALHA81286	H-5 chondrite	27.9	F-9	8(1)

Listing of meteorites recovered from the Allan Hills Main Icefield (1979, 1980, 1981,  
1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALHA81288	H-6 chondrite	19.8	F-10	8(1)
ALHA81289	L-6 chondrite	4.2	E-9	8(1)
ALHA81290	H-4 chondrite	1.5	E-8	8(1)
ALHA81291	H-6 chondrite	3.9	F-10	8(1)
ALHA81292	L-3 chondrite	12.9	F-9	8(1)
ALHA81293	H-5 chondrite	2.0	E-8	8(1)
ALHA81294	H-5 chondrite	8.6	E-8	8(1)
ALHA81296	H-5 chondrite	12.7	F-10	8(1)
ALHA81297	H-5 chondrite	20.1	E-8	8(1)
ALHA81298	H-6 chondrite	16.2	H-9	8(1)
ALHA81299	L-3 chondrite	0.5	E-9	8(1)
ALHA81300	H-5 chondrite	10.3	G-7	8(1)
ALHA81301	H-5 chondrite	12.5	F-7	8(1)
ALHA81302	H-5 chondrite	4.2	F-10	8(1)
ALHA81303	H-6 chondrite	3.7	E-8	8(1)
ALHA81304	L-6 chondrite	42.1	C-7	8(1)
ALHA81305	H-5 chondrite	1.1	D-6	8(1)
ALHA81306	H-5 chondrite	7.1	E-9	8(1)
ALHA81307	L-6 chondrite	56.9	F-7	8(1)
ALHA81308	H-5 chondrite	18.7	L-9	8(1)
ALHA81309	H-4 chondrite	0.6	E-9	8(1)
ALHA81310	H-6 chondrite	0.7	F-10	8(1)
ALHA81311	L-6 chondrite	0.9	E-9	8(1)
ALHA81312	Carbonaceous C2	0.7	E-9	7(1)
ALHA81313	Eucrite	0.5	E-9	8(1)
ALHA81314	H-5 chondrite	2.9	E-9	8(1)
ALHA81315	H(?) chondrite	2.5	E-9	8(1)
ALHA81317	H-6 chondrite	0.4	F-10	9(1)
ALH 83003	H-5 chondrite	321.8	H-10	9(2)
ALH 83005	H-5 chondrite	227.9	L-10	9(2)
ALH 83007	L-3 chondrite	285.0	N-8	9(1)
ALH 83008	L-3 chondrite	272.0	F-9	9(1)
ALH 83011	L-5 chondrite	213.3	F-9	9(1)
ALH 83013	H-6 chondrite	246.3	M-8	9(1)
ALH 83021	L-6 chondrite	42.4	F-10	10(2)
ALH 83025	H-5 chondrite	77.8	F-9	10(2)
ALH 83028	H-6 chondrite	16.0	I-9	10(2)
ALH 83030	H-5 chondrite	48.7	F-9	10(2)
ALH 83031	H-5 chondrite	10.4	F-10	10(2)
ALH 83033	L-6 chondrite	20.7	F-9	10(2)
ALH 83034	H-5 chondrite	6.5	G-10	10(2)
ALH 83036	H-5 chondrite	24.3	F-10	10(2)
ALH 83038	L-3 chondrite	86.5	I-9	10(2)
ALH 83039	H-5 chondrite	6.3	F-10	10(2)
ALH 83040	H-5 chondrite	77.9	F-9	10(2)
ALH 83047	H-5 chondrite	20.0	G-10	9(3)
ALH 83048	L-5 chondrite	2.3	F-10	9(3)
ALH 83049	H-5 chondrite	6.1	F-9	9(3)
ALH 83050	H-6 chondrite	9.7	F-9	9(3)
ALH 83051	H-5 chondrite	16.5	?	9(3)
ALH 83055	H-5 chondrite	18.4	G-10	10(2)
ALH 83057	H-5 chondrite	62.9	F-10	10(2)
ALH 83060	H-5 chondrite	8.8	K-9	10(2)



Listing of meteorites recovered from the Allan Hills Main Icefield (1977, 1980, 1981,  
1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 83063	L-6 chondrite	16.9	O-7	10(2)
ALH 83067	L-6 chondrite	95.8	K-9	9(1)
ALH 83069	L-5 chondrite	78.2	G-3	9(1)
ALH 83071	H-6 chondrite	4.9	G-10	10(2)
ALH 84056	L-6 chondrite	2140.3	?	9(1)
ALH 84071	H-6 chondrite	797.7	?	9(1)
ALH 84101	H-6 chondrite	220.9	?	10(1)
ALH 84111	H-5 chondrite	131.5	K-7	9(3)
ALH 84118	H-6 chondrite	113.7	I-9	10(1)
ALH 84122	LL-6 chondrite	81.4	D-7	10(2)
ALH 84130	L-6 chondrite	45.1	H-9	10(2)
ALH 84156	H-5 chondrite	27.8	E-9	11(2)
ALH 84165	Iron octahedrite	94.7	J-3	9(1)
ALH 84166	L-6 chondrite	39.0	G-9	10(2)
ALH 84167	H-5 chondrite	150.7	F-9	9(3)
ALH 84174	L-6 chondrite	32.2	J-6	10(2)
ALH 84176	H-6 chondrite	4.6	F-9	11(1)
ALH 84180	H-6 chondrite	47.4	F-9	11(1)
ALH 84183	H-5 chondrite	27.8	E-8	11(1)
ALH 84186	H-6 chondrite	19.6	B-8	10(2)
ALH 84190	Achondrite (unique)	7.9	E-8	11(1)
ALH 84192	H-5 chondrite	4.2	D-8	11(1)
ALH 84194	H-5 chondrite	3.9	I-10	11(1)
ALH 84195	L-4 chondrite	2.1	G-10	11(1)
ALH 84196	H-5 chondrite	10.2	D-8	11(1)
ALH 84209	L-5 chondrite	5.5	G-10	11(1)
ALH 84213	H-5 chondrite	6.7	D-7	11(1)
ALH 84215	H-6 chondrite	9.2	D-8	11(1)
ALH 84222	H-4 chondrite	9.9	D-8	11(1)
ALH 84224	H-6 chondrite	7.2	F-9	11(1)
ALH 84225	H-5 chondrite	8.7	B-8	11(1)
ALH 84226	H-5 chondrite	27.6	D-7	11(1)
ALH 84228	H-5 chondrite	9.8	E-8	11(1)
ALH 84236	H-5 chondrite	32.3	H-8	9(3)
ALH 84237	H-5 chondrite	7.5	G-10	11(1)
ALH 84239	H-5 chondrite	14.7	E-9	11(1)
ALH 84243	H-6 chondrite	48.9	?	10(2)
ALH 84248	H-5 chondrite	4.9	F-10	11(1)
ALH 84260	H-5 chondrite	14.6	J-4	11(1)
ALH 85035	LL-6 chondrite	420.1	K-10	10(1)
ALH 85037	H-6 chondrite	141.2	M-9	10(2)
ALH 85041	H-6 chondrite	168.0	G-9	10(2)
ALH 85044	H-6 chondrite	104.8	G-9	10(2)
ALH 85048	H-5 chondrite	16.9	M-9	10(2)
ALH 85067	H-5 chondrite	1.3	D-8	11(2)
ALH 85068	H-5 chondrite	3.6	E-8	11(2)
ALH 85076	L-6 chondrite	78.3	E-8	10(2)
ALH 85088	H-5 chondrite	0.4	D-8	12(1)
ALH 85094	H-6 chondrite	8.7	F-9	10(2)
ALH 85109	H-6 chondrite	20.7	G-10	10(2)
ALH 85110	H-5 chondrite	22.2	?	12(1)
ALH 85118	L-5 chondrite	48.0	H-9	10(2)
ALH 85122	H-5 chondrite	61.2	?	12(1)

Listing of meteorites recovered from the Allan Hills Main Icefield (1979, 1980, 1981,  
1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 85123	L-5 chondrite	15.3	M-9	10(2)
ALH 85144	H-5 chondrite	18.3	F-9	12(1)
ALH 85153	H-4 chondrite	0.4	D-8	10(2)
ALH 86600	L-6 chondrite	411.1	F-9	11(1)
ALH 86601	H-5 chondrite	309.0	?	11(1)
ALH 86602	L-6 chondrite	264.5	J-10	11(1)
ALH 86603	H-5 chondrite	104.5	J-10	11(2)
ALH 86604	L-6 chondrite	12.8	G-9	11(2)
ALH 86605	L-6 chondrite	12.3	H-7	11(2)
ALH 86606	H-5 chondrite	4.5	G-10	11(2)
ALH 86607	H-6 chondrite	2.9	J-10	11(2)
ALH 86608	L-6 chondrite	9.8	J-10	11(2)
ALH 86609	L-6 chondrite	7.8	J-10	11(2)
ALH 86610	L-5 chondrite	0.8	J-10	11(2)
ALH 86611	H-5 chondrite	9.3	J-10	11(2)
ALH 86612	H-5 chondrite	1.5	J-10	11(2)
ALH 87900	L-6 chondrite	8000.0	L-8	12(1)
ALH 87901	H-6 chondrite	21.5	G-8	12(1)
ALH 87902	L-6 chondrite	77.3	N-10	12(1)
ALH 87903	L-4 chondrite	32.2	K-9	12(1)
ALH 87904	L-4 chondrite	27.2	G-9	12(1)
ALH 87905	L-6 chondrite	28.3	L-7	12(1)
ALH 88001	H-5 chondrite	428.3	F-7	No. 69
ALH 88003	L-4 chondrite	341.9	G-8	No. 69
ALH 88008	H-4,5 chondrite	153.5	F-8	No. 72
ALH 88009	H-5 chondrite	152.7	F-8	No. 69
ALH 88013	H-4 chondrite	89.3	F-8	No. 72
ALH 88015	L-6 chondrite	76.9	E-8	No. 69
ALH 88016	H-4 chondrite	73.8	F-8	No. 72
ALH 88017	H-4 chondrite	70.4	E-6	No. 72
ALH 88018	H-5 chondrite	67.1	F-7	No. 70
ALH 88019	H-5 chondrite	57.5	J-10	No. 72
ALH 88020	H-3 chondrite	53.7	F-9	No. 70
ALH 88021	H-5 chondrite	51.0	H-9	No. 70
ALH 88022	H-5 chondrite	47.2	J-9	No. 69
ALH 88023	L-6 chondrite	44.0	D-8	No. 69
ALH 88024	L-6 chondrite	37.9	E-8	No. 70
ALH 88026	H-5 chondrite	37.1	F-8	No. 70
ALH 88027	H-5 chondrite	31.6	G-7	No. 70
ALH 88028	H-5 chondrite	29.9	F-8	No. 70
ALH 88029	H-5 chondrite	29.1	F-7	No. 70
ALH 88030	H-5 chondrite	28.5	F-7	No. 70
ALH 88031	H-5 chondrite	27.8	J-9	No. 70
ALH 88033	H-5 chondrite	27.3	F-7	No. 70
ALH 88034	H-6 chondrite	26.7	I-10	No. 69
ALH 88035	H-5 chondrite	26.6	G-7	No. 69
ALH 88036	H-3 chondrite	26.4	E-8	No. 70
ALH 88037	H-4 chondrite	25.2	I-9	No. 69
ALH 88039	H-5 chondrite	24.9	F-7	No. 70
ALH 88041	L-5 chondrite	23.5	E-8	No. 70
ALH 88042	H-5 chondrite	22.6	F-7	No. 70
ALH 88044	L-3 or LL-3 chondrite	21.0	E-8	No. 70
ALH 88045	Carbonaceous CM	18.0	G-2	*

Listing of meteorites recovered from the Allan Hills Main Icefield (1977, 1980, 1981, 1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 88046	EH-3 chondrite	20.7	H-3	No. 70
ALH 88047	H-5 chondrite	20.6	G-7	No. 70
ALH 88048	H-5 chondrite breccia	20.6	F-8	No. 70
ALH 88049	H-5,6 chondrite breccia	20.1	G-7	No. 70
ALH 88050	H-6,7 chondrite	49.6	F-8	No. 70
ALH 88051	H-5 chondrite	19.3	F-9	No. 70
ALH 88052	Carbonaceous CM	7.0	G-4	*
ALH 88053	H-4 chondrite	18.2	I-10	No. 70
ALH 88054	H-5,6 chondrite	17.8	H-9	No. 70
ALH 88055	H-6 chondrite	17.5	F-7	No. 70
ALH 88056	H-5 chondrite	17.3	I-10	No. 70
ALH 88057	H-5 chondrite	16.6	F-7	No. 70
ALH 88058	H-5,6 chondrite	15.1	F-7	No. 70
ALH 88059	L(LL3?) chondrite	15.0	E-7	No. 72
ALH 88061	H-5,6 chondrite	13.9	E-8	No. 72
ALH 88062	L-5 chondrite	13.8	G-9	No. 72
ALH 88063	H-5,6 chondrite	13.4	F-7	No. 72
ALH 88064	H-5,6 chondrite	13.2	F-9	No. 72
ALH 88066	L(LL3?) chondrite	13.9	E-8	No. 72
ALH 88067		13.4	J-9	
ALH 88068		13.2	F-7	
ALH 88069		13.2	D-8	
ALH 88070		12.1	H-3	
ALH 88073		12.5	E-8	
ALH 88074		12.4	F-7	
ALH 88075		11.0	H-9	
ALH 88078		11.8	F-7	
ALH 88079		11.6	F-9	
ALH 88080		11.8	G-7	
ALH 88082		11.6	F-7	
ALH 88083		11.9	F-7	
ALH 88084		11.7	E-8	
ALH 88085		10.3	F-7	
ALH 88086		10.3	F-7	
ALH 88087		10.6	F-7	
ALH 88088		10.7	E-7	
ALH 88089		9.3	G-6	
ALH 88090		9.9	F-9	
ALH 88091		9.4	E-9	
ALH 88092		9.9	E-9	
ALH 88093		9.1	F-7	
ALH 88094		8.4	E-9	
ALH 88095		8.5	F-7	
ALH 88096		12.3	E-9	
ALH 88097		8.6	F-9	
ALH 88098		8.5	E-8	
ALH 88099		8.8	E-8	
ALH 88100		8.6	F-7	
ALH 88101		8.4	F-8	
ALH 88102		8.4	E-7	
ALH 88103		7.0	G-8	
ALH 88104		7.2	D-8	
ALH 88105		7.5	G-9	

Listing of meteorites recovered from the Allan Hills Main Icefield (1979, 1980, 1981,  
1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

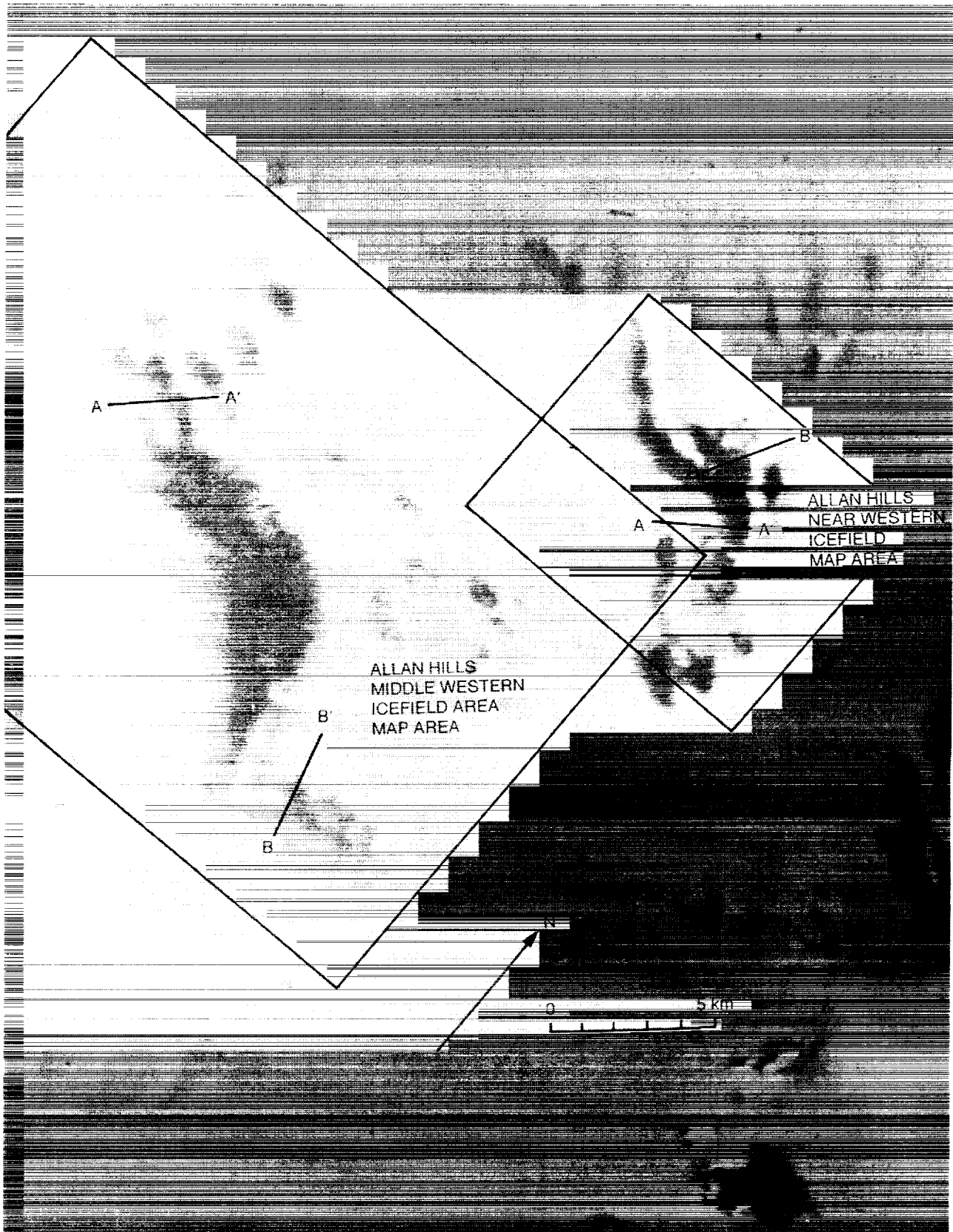
Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 88106		7.3	F-7	
ALH 88107		7.3	F-8	
ALH 88108		7.3	E-6	
ALH 88109		7.4	J-9	
ALH 88110		8.5	F-7	
ALH 88111		7.1	F-7	
ALH 88112		6.1	J-9	
ALH 88113		6.0	H-9	
ALH 88115		6.2	E-8	
ALH 88116		6.8	J-9	
ALH 88117		5.2	G-7	
ALH 88118		5.9	F-10	
ALH 88119		5.1	F-7	
ALH 88120		5.5	F-7	
ALH 88121		5.3	F-7	
ALH 88122		6.8	F-7	
ALH 88123		6.9	E-7	
ALH 88124		5.4	D-8	
ALH 88125		7.2	H-9	
ALH 88126		4.5	G-5	
ALH 88127		4.9	I-10	
ALH 88128		4.7	E-8	
ALH 88129		4.7	F-7	
ALH 88130		4.6	F-10	
ALH 88131		4.8	F-7	
ALH 88132		4.2	F-7	
ALH 88133		4.8	F-7	
ALH 88134		4.4	E-7	
ALH 88135		4.8	F-7	
ALH 88136		3.1	F-9	
ALH 88138		3.8	F-7	
ALH 88139		3.2	E-6	
ALH 88140		3.7	F-8	
ALH 88141		4.0	D-8	
ALH 88142		3.0	H-11	
ALH 88144		2.8	F-10	
ALH 88146		3.0	E-7	
ALH 88147		2.7	J-9	
ALH 88148		2.4	F-10	
ALH 88149		2.8	F-9	
ALH 88150		2.3	D-8	
ALH 88151		10.2	H-9	
ALH 88152		1.5	F-9	
ALH 88153		1.7	F-9	
ALH 88154		0.6	F-9	
ALH 88155		2.4	F-9	
ALH 88156		2.0	H-9	
ALH 88159		2.1	F-8	
ALH 88160		1.8	I-9	
ALH 88161		1.9	H-9	
ALH 88162		8.1	F-7	
ALH 88163		2.5	E-9	
ALH 88164		2.3	D-8	

Listing of meteorites recovered from the Allan Hills Main Icefield (1977, 1980, 1981,  
1983, 1984, 1985, 1986, 1987, 1988, and 1990 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 88165		2.1	E-9	
ALH 88168		1.9	H-9	
ALH 88169		1.7	F-9	
ALH 88171		1.5	H-9	
ALH 88172		1.5	I-10	
ALH 88175		1.4	E-8	
ALH 88176		1.3	E-7	
ALH 88177		1.3	D-7	
ALH 88178		1.3	F-10	
ALH 88180		1.1	H-9	
ALH 88181		0.9	E-6	
ALH 88185		0.8	F-8	
ALH 88186		0.6	F-10	
ALH 88187		0.5	F-9	
ALH 88189		0.4	F-8	
ALH 88190		0.4	F-10	
ALH 88191		0.3	J-9	
ALH 88193		0.2	F-8	
ALH 88194		0.2	F-7	
ALH 88195		0.2	F-8	
ALH 88198		0.1	G-11	
ALH 90400			K-9	
ALH 90401			I-5	
ALH 90402			G-10	
ALH 90403			I-7	
ALH 90404			J-5	
ALH 90405			K-10	

<sup>?</sup>No meteorite position was determined or location information was recorded. See text.

\*Wlotzka *et al.* (1989).



**Fig. 7.** Enlarged portion of satellite image showing the Allan Hills Near Western Icefield and the Middle Western Icefield and the area covered by the respective meteorite location maps. Location of slope profiles are also shown.

## ALLAN HILLS NEAR WESTERN ICEFIELD

The Allan Hills Near Western Icefield (76°44'S, 158°48'E) lies approximately 12 km west of the Main Icefield (Fig. 2). This northwest-trending icefield is nearly 14 km long and up to 4 km wide. All areas of exposed ice have been systematically searched, and outliers and peripheries visited on a reconnaissance basis. Figure 7 shows the area covered by the Near Western Icefield map and the location of the two slope profiles diagrammed in Fig. 8.

During the 1977–1978 season, 21 meteorites were recovered from the Near Western Icefield. The location map published by Yanai (1984) gives the names and indicates the locations of these specimens. Since these specimens are not referenced to our survey base station network they are not included on our map. The positions of the 162 meteorites recovered from the Near Western Icefield during the 1981–1982, 1983–1984, 1984–1985, and 1988–1989 seasons are plotted on the Allan Hills Near Western Icefield Meteorite Location Map. A reduced version of the map is given as Fig. 9. Table 3 is a tabulation of meteorite types and their numbers from the Allan Hills Near Western Icefield.

Crude location methods were used during the 1981–1982 season. Most of the specimens found in subsequent seasons were surveyed using the more precise theodolite/EDM system. A preliminary location map was generated using survey data. The data from the 1981–1982 season were then “fitted” to a preliminary map and UTM coordinates scaled off, entered into the database, and a new location map was generated. Therefore, the map depicts accurately the relative locations of meteorites found in the same season, but somewhat less precisely the locations of specimens from different seasons. The map of the Allan Hills Near Western Icefield is plotted at a scale of 1:12,500 in the UTM (zone 57) projection. The grid cells are at 1-km intervals.

Three editions of the location map have been produced. The 1987 version had minor formatting and cosmetic changes and ALHA 81316 was added to the map and the database. The 1990 edition has the locations of the meteorites recovered by the 1988–1989 German GANOVEX expedition in the course of a radio-echo sounding survey (Delisle, 1989). These meteorites are curated by the EUROMET group. In the meteorite listing, under *Newsletter*, the *Meteoritical Bulletin* citation is given for the 1988 collection (Wlotzka, 1990, 1991, 1992).

The location of ALH 88043 is in error on the latest

version of the map. The actual UTM coordinates should be 1484363N 493325E. This will be corrected in future versions.

TABLE 3. Tabulation of meteorite types from the Allan Hills Near Western Icefield (1977, 1981, 1983, 1984, and 1988 collections).

Number of Specimens	Classification
1	Aubrite
2	Carbonaceous C2
1	Carbonaceous C3O
2	Carbonaceous C3V
1	E-3 chondrite
6	E-4 chondrite
1	EH-4 chondrite
1	H-3 chondrite
34	H-4 chondrite
2	H-4,5 chondrite
60	H-5 chondrite
14	H-6 chondrite
2	Iron
4	L-4 chondrite
2	L-5 chondrite
17	L-6 chondrite
2	LL-4 chondrite
5	LL-6 chondrite
3	Mesosiderite
23	Unclassified
183	Total

**Acknowledgments:** We thank G. Crozaz, R. Fudali, and U. Marvin (1981–1982); R. Fudali, A. C. Hitch, K. Nishiizumi, P. Pellas, L. Schultz, and P. Sipiera (1983–1984); C. King-Frazier, S. Sandford, R. Score, C. Thompson, and R. Walker (1984–1985) for their contributions to the Allan Hills Near Western Icefield Meteorite Location Map. L. Schultz provided location data for meteorites recovered in the 1988–1989 season. We appreciate the continuity of effort by J. Annexstad, G. Delisle, L. Schultz, and J. Sievers in determining the positions of the meteorites recovered by the GANOVEX expedition.

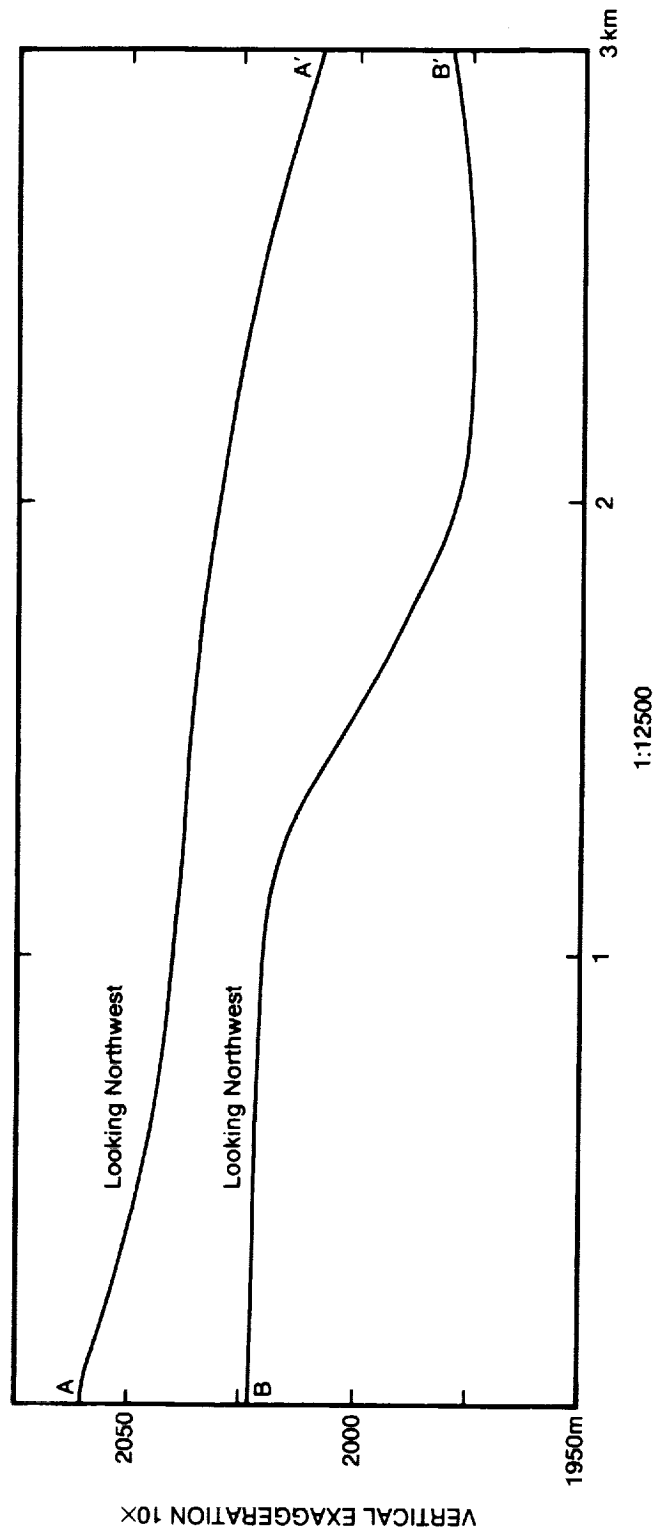


Fig. 8. Slope profiles of the Allan Hills Near Western Icefield.



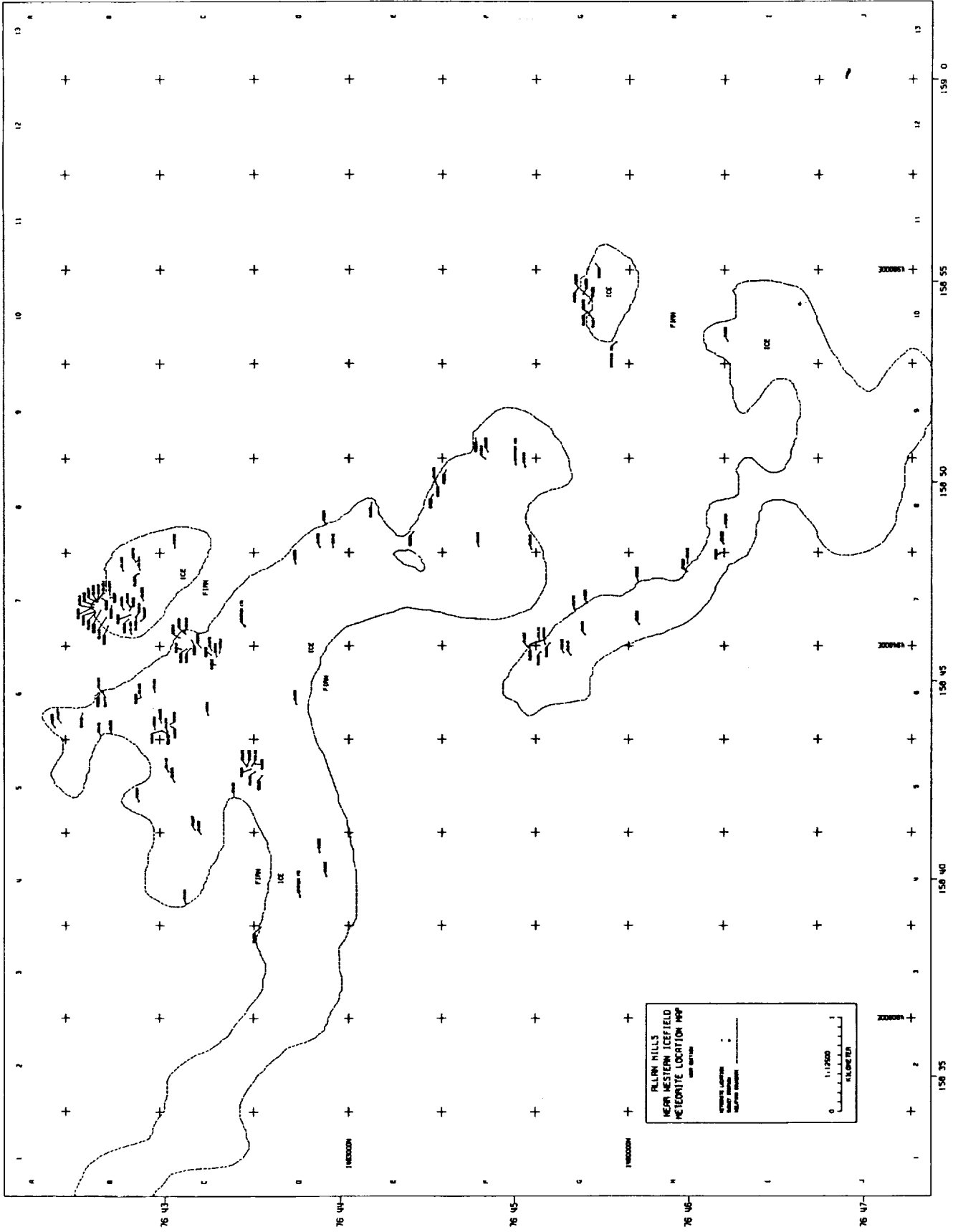


Fig. 9. Reduced example of the Allan Hills Near Western Icefield Meteorite Location Map.

Listing of meteorites recovered from the Allan Hills Near Western Icefield  
(1977, 1981, 1983, 1984, and 1988 collections\*).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALHA 77003	Carbonaceous C3O	779.6	†	4(2)
ALHA 77004	H-4 chondrite	2230.0	†	4(1)
ALHA 77184	H-5 chondrite	127.6	†	6(2)
ALHA 77186	H-5 chondrite	122.4	†	6(2)
ALHA 77187	H-5 chondrite	52.2	†	6(2)
ALHA 77188	H-5 chondrite	109.0	†	6(2)
ALHA 77190	H-4 chondrite	387.1	†	4(1)
ALHA 77191	H-4 chondrite	642.2	†	4(1)
ALHA 77192	H-4 chondrite	845.3	†	4(1)
ALHA 77208	H-4 chondrite	1733.0	†	4(1)
ALHA 77219	Mesosiderite	637.1	†	4(1)
ALHA 77220	H-5 chondrite	69.1	†	6(2)
ALHA 77221	H-4 chondrite	229.2	†	4(1)
ALHA 77222	H-4 chondrite	125.4	†	6(2)
ALHA 77223	H-4 chondrite	207.9	†	4(1)
ALHA 77224	H-4 chondrite	786.9	†	4(1)
ALHA 77225	H-4 chondrite	5878.0	†	4(1)
ALHA 77226	H-4 chondrite	15323.0	†	4(1)
ALHA 77232	H-4 chondrite	6494.3	†	4(1)
ALHA 77233	H-4 chondrite	4087.0	†	4(1)
ALHA 77295	EH-4 chondrite	141.3	†	6(2)
ALHA 81013	Iron	17727.0	F-8	6(1)
ALHA 81015	H-5 chondrite	5489.0	B-7	6(1)
ALHA 81016	L-6 chondrite	3850.2	D-8	6(1)
ALHA 81033	H-5 chondrite	242.4	C-6	6(1)
ALHA 81034	H-5 chondrite	254.9	D-7	6(1)
ALHA 81036	H-5 chondrite	252.1	C-5	6(1)
ALHA 81041	H-4 chondrite	728.8	C-6	6(2)
ALHA 81042	H-5 chondrite	534.4	C-6	6(1)
ALHA 81043	H-4 chondrite	106.0	C-6	6(2)
ALHA 81044	H-4 chondrite	386.8	C-6	6(2)
ALHA 81045	H-4 chondrite	90.2	B-7	6(2)
ALHA 81046	H-4 chondrite	16.6	B-7	6(2)
ALHA 81047	H-4 chondrite	81.2	B-7	6(2)
ALHA 81048	H-4 chondrite	190.6	C-6	6(2)
ALHA 81049	H-4 chondrite	8.5	B-7	6(2)
ALHA 81050	H-4 chondrite	25.7	B-7	6(2)
ALHA 81051	H-4 chondrite	43.0	B-7	6(2)
ALHA 81052	H-4 chondrite	28.7	C-8	6(2)
ALHA 81058	H-4 chondrite	66.2	C-6	6(2)
ALHA 81059	Mesosiderite	539.5	C-6	6(2)
ALHA 81094	H-6 chondrite	152.0	B-7	6(2)
ALHA 81095	H-4 chondrite	58.8	B-7	6(2)
ALHA 81098	Mesosiderite	70.9	B-6	6(2)
ALHA 81099	L-6 chondrite	151.6	D-8	6(2)
ALHA 81104	H-4 chondrite	183.8	B-6	6(2)
ALHA 81106	L-6 chondrite	48.3	C-6	6(2)
ALHA 81113	H-5 chondrite	111.1	B-7	6(2)
ALHA 81119	L-4 chondrite	107.4	C-5	6(2)

Listing of meteorites recovered from the Allan Hills Near Western Icefield  
(1977, 1981, 1983, 1984, and 1988 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALHA 81123	LL-6 chondrite	2.0	B-7	6(2)
ALHA 81161	H-5 chondrite	122.2	B-7	7(1)
ALHA 81185	LL-6 chondrite	64.9	B-6	7(2)
ALHA 81197	H-5 chondrite	67.7	C-6	7(2)
ALHA 81207	H-5 chondrite	14.1	B-7	7(2)
ALHA 81209	H-5 chondrite	13.9	B-7	7(2)
ALHA 81221	L-6 chondrite	9.2	B-7	8(1)
ALHA 81241	H-5 chondrite	34.2	B-7	8(1)
ALHA 81247	L-6 chondrite	104.2	C-6	8(1)
ALHA 81258	Carbonaceous C3V	1.1	B-7	8(1)
ALHA 81267	H-4 chondrite	26.8	B-7	8(1)
ALHA 81279	H-4 chondrite	27.1	C-6	8(1)
ALHA 81287	H-5 chondrite	77.6	B-7	8(1)
ALHA 81295	H-5 chondrite	105.1	B-7	8(1)
ALHA 81316	LL-4 chondrite	0.7	C-6	9(1)
ALH 83001	L-4 chondrite	1568.6	C-6	8(1)
ALH 83002	L-5 chondrite	367.1	B-7	9(2)
ALH 83006	H-5 chondrite	230.2	C-7	9(2)
ALH 83012	H-5 chondrite	202.7	B-7	10(1)
ALH 83053	H-5 chondrite	63.2	C-7	9(3)
ALH 83061	H-5 chondrite	33.6	B-6	10(2)
ALH 83062	H-5 chondrite	76.9	C-7	10(2)
ALH 83064	H-5 chondrite	12.4	C-6	10(2)
ALH 83065	H-5 chondrite	53.6	B-7	10(2)
ALH 83066	H-5 chondrite	45.9	C-7	10(2)
ALH 83073	H-5 chondrite	49.2	B-7	10(2)
ALH 84002	L-6 chondrite	7554.0	E-8	9(2)
ALH 84003	H-5 chondrite	3088.7	D-4	9(2)
ALH 84004	H-4 chondrite	9000.0	D-4	8(2)
ALH 84006	H-4,5 chondrite	16000.0	H-7	8(2)
ALH 84022	Aubrite	12.5	H-8	9(2)
ALH 84028	Carbonaceous C3V	735.9	I-10	8(2)
ALH 84033	Carbonaceous C2	60.4	F-8	8(2)
ALH 84054	Carbonaceous C2	19.4	E-8	9(1)
ALH 84055	H-5 chondrite	6900.5	D-6	9(1)
ALH 84059	H-4 chondrite	856.9	H-7	9(1)
ALH 84066	L-6 chondrite	355.8	D-3	9(1)
ALH 84067	H-5 chondrite	391.2	C-5	9(1)
ALH 84069	H-5 chondrite	1136.3	F-8	9(2)
ALH 84075	H-5 chondrite	788.6	C-6	9(3)
ALH 84083	H-6 chondrite	419.7	H-7	9(3)
ALH 84085	H-5 chondrite	554.2	D-5	9(3)
ALH 84100	H-5 chondrite	110.3	E-8	9(3)
ALH 84103	H-4 chondrite	137.5	G-7	10(1)
ALH 84105	H-6 chondrite	260.9	G-6	10(1)
ALH 84109	H-6 chondrite	245.9	G-7	10(1)
ALH 84110	H-6 chondrite	318.5	G-6	10(1)
ALH 84113	H-6 chondrite	212.1	F-8	10(1)
ALH 84121	H-5 chondrite	141.4	C-5	11(2)

Listing of meteorites recovered from the Allan Hills Near Western Icefield  
(1977, 1981, 1983, 1984, and 1988 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 84123	LL-6 chondrite	96.6	E-8	10(2)
ALH 84124	H-5 chondrite	114.5	C-5	10(1)
ALH 84125	LL-6 chondrite	76.4	E-8	10(2)
ALH 84127	L-6 chondrite	83.8	A-6	10(2)
ALH 84128	H-5 chondrite	2.1	B-6	11(2)
ALH 84131	H-5 chondrite	107.9	D-5	9(3)
ALH 84137	H-5 chondrite	145.4	D-5	9(3)
ALH 84138	H-5 chondrite	20.2	B-7	9(3)
ALH 84139	H-5 chondrite	157.1	G-6	9(3)
ALH 84143	L-6 chondrite	74.3	F-8	10(2)
ALH 84146	H-5 chondrite	33.2	B-6	11(2)
ALH 84148	H-5 chondrite	168.4	C-5	10(1)
ALH 84149	H-5 chondrite	12.0	B-7	11(2)
ALH 84151	H-6 chondrite	112.4	G-7	9(3)
ALH 84159	H-6 chondrite	100.8	C-5	10(1)
ALH 84161	H-5 chondrite	82.9	B-6	11(2)
ALH 84162	H-5 chondrite	42.3	B-7	11(2)
ALH 84168	LL-6 chondrite	14.2	C-4	9(3)
ALH 84169	L-6 chondrite	98.4	F-9	11(2)
ALH 84170	E-3 chondrite	39.2	G-7	9(3)
ALH 84172	H-5 chondrite	3.0	G-10	11(2)
ALH 84177	L-5 chondrite	7.3	B-6	9(3)
ALH 84181	L-6 chondrite	32.9	G-10	10(2)
ALH 84184	H-5 chondrite	42.1	F-9	9(3)
ALH 84187	H-6 chondrite	25.9	C-5	11(1)
ALH 84188	E-4 chondrite	3.1	G-7	9(3)
ALH 84189	H-6 chondrite	8.7	B-5	10(2)
ALH 84197	L-6 chondrite	8.2	G-10	10(2)
ALH 84200	E-4 chondrite	8.5	G-7	11(1)
ALH 84201	H-5 chondrite	6.3	G-10	11(1)
ALH 84202	H-5 chondrite	87.5	C-6	11(1)
ALH 84206	E-4 chondrite	15.1	F-6	9(3)
ALH 84210	L-6 chondrite	8.8	I-8	10(2)
ALH 84212	L-6 chondrite	7.1	H-7	10(2)
ALH 84220	E-4 chondrite	8.4	G-10	11(1)
ALH 84227	H-5 chondrite	12.1	B-7	9(3)
ALH 84229	L-6 chondrite	6.9	D-8	10(2)
ALH 84230	H-4 chondrite	2.4	G-10	9(3)
ALH 84232	H-4 chondrite	9.9	B-6	11(1)
ALH 84233	Iron	13.6	B-6	10(2)
ALH 84235	E-4 chondrite	6.0	F-6	11(1)
ALH 84240	H-5 chondrite	25.9	H-7	11(1)
ALH 84250	E-4 chondrite	10.0	G-10	9(3)
ALH 84256	L-6 chondrite	3.0	A-6	10(2)
ALH 84259	H-5 chondrite	23.1	B-7	11(1)
ALH 84262	H-6 chondrite	15.3	C-4	9(3)
ALH 84263	H-5 chondrite	4.6	G-11	11(1)
ALH 88002	L-4 chondrite	358.4	C-5	No. 72
ALH 88004	LL-4 chondrite	315.7	D-6	No. 72

Listing of meteorites recovered from the Allan Hills Near Western Icefield  
(1977, 1981, 1983, 1984, and 1988 collections\*) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 88006	L-4 chondrite	233.4	D-6	No. 69
ALH 88007	H-5 chondrite	156.8	D-7	No. 69
ALH 88010	H-4,5 chondrite	141.5	C-5	No. 72
ALH 88011	H-3 chondrite	103.0	C-6	No. 72
ALH 88012	L-6 chondrite	102.5	C-5	No. 72
ALH 88014	H-5 chondrite	84.1	D-5	No. 70
ALH 88025	H-5 chondrite	37.2	D-7	No. 70
ALH 88032	H-6 chondrite	27.4	D-5	No. 70
ALH 88038	H-5 chondrite	25.2	C-6	No. 70
ALH 88040	H-5 chondrite	24.6	C-5	No. 70
ALH 88043	H-6 chondrite	21.1	C-5†	No. 70
ALH 88060	H-6 chondrite	14.6	D-5	No. 72
ALH 88065	H-5 chondrite	13.8	C-5	No. 72
ALH 88071		12.3	C-5	
ALH 88072		12.3	C-5	
ALH 88076		11.3	B-7	
ALH 88077		11.6	D-6	
ALH 88081		11.1	C-6	
ALH 88114		6.5	C-5	
ALH 88137		3.5	B-7	
ALH 88143		2.6	C-5	
ALH 88145		2.7	C-6	
ALH 88157		1.2	C-6	
ALH 88158		0.4	C-6	
ALH 88166		2.0	C-5	
ALH 88167		1.9	C-5	
ALH 88170		1.6	C-5	
ALH 88173		1.4	C-6	
ALH 88174		1.4	B-7	
ALH 88179		1.2	D-5	
ALH 88182		0.9	B-7	
ALH 88183		0.9	B-7	
ALH 88184		0.8	A-1	
ALH 88188		0.4	C-5	
ALH 88192		0.3	C-6	
ALH 88197		0.1	C-5	

\*The locations of the meteorites collected in 1977–1978 can be found on the map published by Yanai (1984).

†This location is in error on the current map edition. See text.

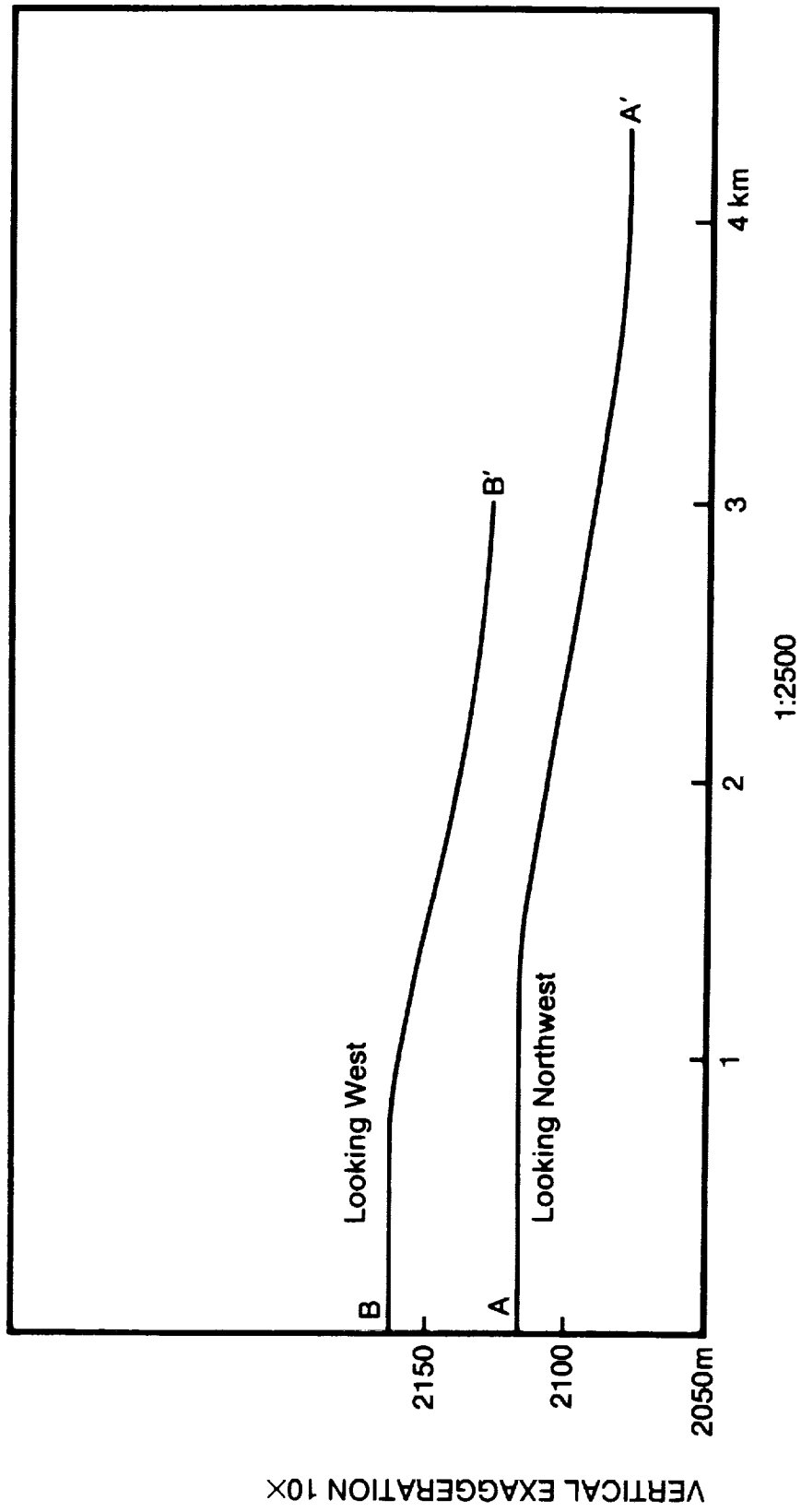


Fig. 10. Slope profiles of the Allan Hills Middle Western Icefield.

## ALLAN HILLS MIDDLE WESTERN ICEFIELD

The Allan Hills Middle Western Icefield (76°50'S 158°26'E) is situated approximately 25 km southwest of the Allan Hills Main Icefield (Fig. 2). This northwest-trending icefield is nearly 20 km long and up to 3.5 km wide. Approximately 30 km<sup>2</sup> of ice is exposed. Figure 7 shows the area covered by the Middle Western Icefield map and the location of two slope profiles diagrammed in Fig. 10.

Five meteorites were reportedly recovered from the Middle Western Icefield on a helicopter reconnaissance search during the 1978–1979 season. No field numbers or location information were recorded for these specimens. The positions of the 80 meteorites recovered from the Middle Western Icefield during the 1981–1982, 1983–1984, and 1984–1985 seasons are plotted on the Allan Hills Middle Western Icefield Meteorite Location Map. A reduced scale version of the map is given as Fig. 11. One meteorite, ALH 87906, was recovered from the northernmost ice patch at the northwest end of the icefield area during a brief visit by an ANSMET expedition during the 1987–1988 field season. The location for this meteorite was not determined and does not appear on the map. Table 4 is a tabulation of types of meteorites and their numbers from the Allan Hills Middle Western Icefield.

Most of the meteorite locations on the Middle Western Icefield were determined using theodolite/EDM methods. Thus, the relative locations of specimens found and surveyed in different seasons is precisely shown.

The map of the Allan Hills Middle Western Icefield is plotted at a scale of 1:25,000 in the UTM (zone 57) projection. The grid crosses are spaced 2 km apart. Two earlier editions of the Allan Hills Middle Western Icefield Meteorite Location Map have been produced. The second, or 1987, edition has only minor formatting and cosmetic enhancements and no additions or deletions of meteorite locations.

TABLE 4. Types of meteorites recovered from the Allan Hills Middle Western Icefield (1981, 1983, 1984, and 1987 collections).

Number of Specimens	Classification
1	Lunar anorthositic breccia
19	Aubrite
3	Carbonaceous C2
1	Carbonaceous C30
1	Carbonaceous C4
3	E-6 chondrite
1	H-3 chondrite
2	H-4 chondrite
16	H-5 chondrite
6	H-6 chondrite
2	L-3 chondrite
1	L-4 chondrite
3	L-5 chondrite
14	L-6 chondrite
7	LL-6 chondrite
1	Ureilite
81	Total

**Acknowledgments:** We thank I. Whillans (1981–1982); R. Fudali, A. C. Hitch, K. Nishiizumi, Paul Pellas, L. Schultz, and P. Szipera (1983–1984); C. King-Frazier, S. Sandford, R. Score, C. Thompson, and R. Walker (1984–1985); G. Huss, C. Thompson, J. Wagstaff, and P. Wasilewski (1987–1988) for their contributions to the Allan Hills Middle Western Icefield Meteorite Location Map.

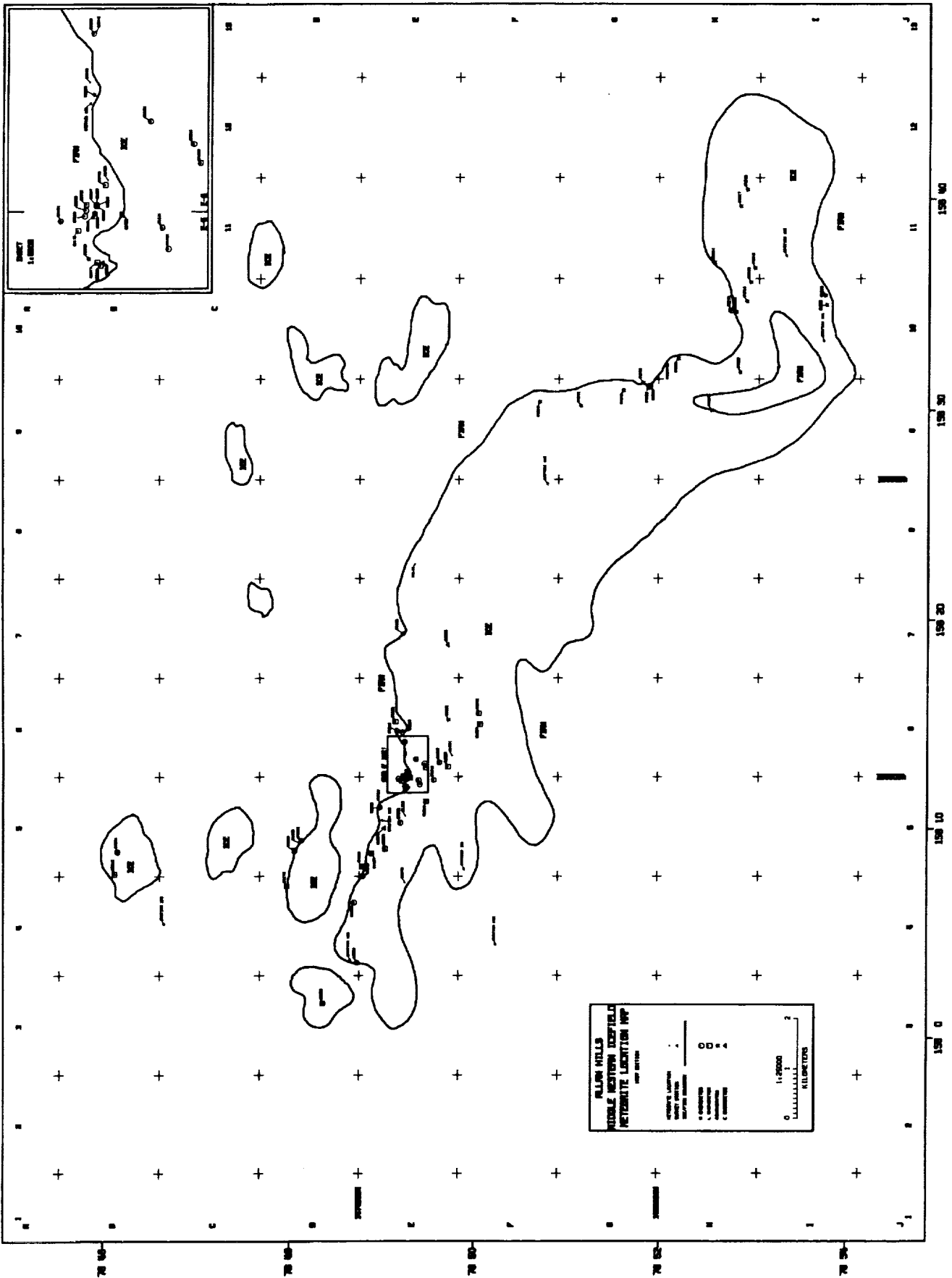


Fig. 11. Reduced example of the Allan Hills Middle Western Icefield Meteorite Location Map.



Listing of meteorites from the Allan Hills Middle Western Icefield  
(1981, 1983, 1984, and 1987 collections).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALHA 81004	Carbonaceous C2	4.7	E-5	6(1)
ALHA 81005	Lunar anorthositic breccia	31.4	E-6	6(1)
ALHA 81018	L-5 chondrite	2236.9	E-5	6(1)
ALHA 81019	H-5 chondrite	1051.2	E-5	6(1)
ALHA 81021	E-6 chondrite	695.1	E-6	6(1)
ALHA 81022	H-4 chondrite	912.5	E-6	6(1)
ALHA 81023	L-5 chondrite	418.3	E-6	6(1)
ALHA 81103	H-6 chondrite	136.1	E-5	6(2)
ALHA 81111	H-6 chondrite	210.3	E-5	6(1)
ALHA 81167	L-6 chondrite	58.5	E-5	7(1)
ALHA 81260	E-6 chondrite	124.1	E-5	8(1)
ALH 83004	L-6 chondrite	813.9	E-5	9(1)
ALH 83009	Aubrite	1.7	E-5	8(2)
ALH 83010	L-3 chondrite	395.2	B-5	8(1)
ALH 83014	Ureilite	1.3	E-6	8(1)
ALH 83015	Aubrite	3.1	E-5	8(1)
ALH 83016	Carbonaceous C2	4.1	E-5	8(1)
ALH 83017	L-3 chondrite	0.6	E-5	10(2)
ALH 83018	E-6 chondrite	3.7	E-6	10(2)
ALH 83019	H-4 chondrite	2.6	E-6	10(2)
ALH 83020	H-5 chondrite	2.9	D-4	10(2)
ALH 83022	LL-6 chondrite	5.4	E-5	10(2)
ALH 83023	L-4 chondrite	4.2	E-5	10(2)
ALH 83024	H-6 chondrite	6.2	E-5	10(2)
ALH 83026	Carbonaceous C3O	0.1	E-6	10(2)
ALH 83027	L-6 chondrite	2.7	E-6	10(2)
ALH 83029	H-5 chondrite	96.2	E-6	10(2)
ALH 83032	LL-6 chondrite	2.9	E-6	10(2)
ALH 83035	H-5 chondrite	1.2	E-5	10(2)
ALH 83037	H-5 chondrite	2.5	E-6	10(2)
ALH 83041	L-6 chondrite	0.3	E-6	10(2)
ALH 83042	H-3 chondrite	0.5	E-5	10(2)
ALH 83043	L-6 chondrite	2.7	E-6	10(2)
ALH 83044	H-5 chondrite	4.8	E-5	10(2)
ALH 83045	L-5 chondrite	1.6	E-6	10(2)
ALH 83046	H-5 chondrite	32.9	E-6	9(3)
ALH 83052	L-6 chondrite	52.8	E-5	9(3)
ALH 83054	LL-6 chondrite	16.8	E-6	10(2)
ALH 83056	H-5 chondrite	1.4	E-6	10(2)
ALH 83058	L-6 chondrite	29.2	D-3	10(2)
ALH 83059	H-5 chondrite	3.5	E-5	10(2)
ALH 83068	H-5 chondrite	0.8	E-5	10(2)
ALH 83070	LL-6 chondrite	215.7	E-4	9(1)
ALH 83072	H-5 chondrite	1.6	D-4	10(2)
ALH 83074	H-5 chondrite	6.4	B-5	10(2)
ALH 84007	Aubrite	705.6	H-9	8(2)
ALH 84008	Aubrite	301.6	H-10	8(2)
ALH 84009	Aubrite	335.6	G-9	9(2)
ALH 84010	Aubrite	303.0	H-11	9(2)
ALH 84011	Aubrite	138.2	H-11	8(2)
ALH 84012	Aubrite	224.7	H-10	9(2)
ALH 84013	Aubrite	159.9	I-10	9(2)
ALH 84014	Aubrite	49.4	H-11	9(2)
ALH 84015	Aubrite	263.9	H-10	9(2)
ALH 84016	Aubrite	149.7	H-10	9(2)
ALH 84017	Aubrite	79.8	H-11	9(2)

Listing of meteorites from the Allan Hills Middle Western Icefield  
(1981, 1983, 1984, and 1987 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 84018	Aubrite	81.7	G-9	9(2)
ALH 84019	Aubrite	93.2	F-9	9(2)
ALH 84020	Aubrite	191.1	H-10	9(2)
ALH 84021	Aubrite	35.7	G-9	9(2)
ALH 84023	Aubrite	262.4	I-10	9(2)
ALH 84024	Aubrite	194.4	H-10	9(2)
ALH 84057	L-6 chondrite	368.2	F-6	9(1)
ALH 84072	L-6 chondrite	720.9	F-6	9(1)
ALH 84090	L-6 chondrite	201.8	E-6	9(3)
ALH 84093	H-6 chondrite	113.5	G-9	9(3)
ALH 84096	Carbonaceous C4	293.6	E-7	9(3)
ALH 84116	LL-6 chondrite	56.2	E-8	9(3)
ALH 84164	L-6 chondrite	101.4	E-6	10(1)
ALH 84173	L-6 chondrite	1.7	E-5	11(2)
ALH 84178	H-5 chondrite	0.4	D-4	9(3)
ALH 84185	H-5 chondrite	4.8	E-6	9(3)
ALH 84191	Carbonaceous C2	14.0	E-7	9(3)
ALH 84198	LL-6 chondrite	5.4	D-5	9(3)
ALH 84203	L-6 chondrite	8.8	E-5	10(2)
ALH 84214	H-6 chondrite	4.9	H-10	10(2)
ALH 84216	H-5 chondrite	5.5	E-6	9(3)
ALH 84238	L-6 chondrite	1.9	D-5	10(2)
ALH 84242	H-6 chondrite	16.9	D-5	11(1)
ALH 84246	H-5 chondrite	1.8	G-9	11(1)
ALH 87906	LL-6 chondrite	51.6	?	12(1)

<sup>?</sup>No meteorite position was determined or location information was recorded. See text.

## ALLAN HILLS FAR WESTERN ICEFIELD

The Allan Hills Far Western Icefield (76°54'S, 157°01'E) is a large bare ice area lying approximately 70 kilometers southwest of the Allan Hills (Fig. 2). This sinuous icefield, trending northwest, is nearly 45 km long and up to 8 km across at its widest point. Approximately 100 km<sup>2</sup> of ice is exposed. Figure 12 shows the area covered by the meteorite location maps and indicates the location of three slope profiles (Fig. 13).

The Far Western Icefield was first visited during the 1982–1983 season. Systematic searches were made in selected areas and 45 meteorites were recovered. One meteorite (ALH 82102) was discovered in the process of emerging from the ice as the surface was ablating. A satellite surveying instrument was employed during this season to determine three base station locations used in the meteorite location surveys. These points potentially can be used in the study of ice movement rates. A brief visit was made during the 1983–1984 season, mainly to collect ice samples and begin the survey traverse that connected all the Allan Hills icefields. Systematic searches of virtually the entire blue ice area were made in the following two field seasons. During the 1990–1991 season the southeastern end of the Far Western Icefield was visited for the purpose re-surveying ice motion points using satellite positioning methods. Some of the areas systematically searched in previous seasons were again searched in detail. Nine additional meteorites were recovered. Table 5 is a tabulation of types of meteorites and their numbers from the Allan Hills Far Western Icefields.

The positions of the 326 named meteorites collected from the Far Western Icefield are plotted on the Allan Hills Far Western Icefield Meteorite Location Map. Because of the desired map scale and the size and orientation of the icefield, two map sections had to be generated. These are designated the West and East sections. Figure 12 shows the areas covered by the map sections. Figures 14 and 15 are reduced versions of the two map sections. The map is plotted at a scale of 1:25,000 in the UTM (zone 57) projection. The UTM grid cell crosses are spaced 2 km apart.

Crude surveying methods were used to determine meteorite positions during the 1982–1983 season. In subsequent seasons most of the meteorite locations and the 1982–1983 base stations were surveyed with the theodolite and EDM. Thus, the relative locations between the 1982–1983 specimens and all the others are not precise. The locations of eight meteorites (ALH 82109, ALH 82116, ALH 82137, ALH 83105, ALH 83108, ALH 84221, ALH 85004, and ALH 85012) were determined only very generally, and placements on the map are therefore approximate. In the 1983–1984 season two carbonaceous chondrite scatter fields were found near the southern end of the icefield. In

the larger of the two, 56 fragments were recovered. These have been paired, and are named ALH 83100. The general outline of this scatter field is shown on the map. The location of ALH 83102 was the site of a smaller scatter field consisting of 21 paired fragments. It was located approximately 50 m from the larger one and both sets of specimens probably are parts of the same pairing group.

Different editions of the Allan Hills Far Western Icefield Meteorite Location Map have been generated. The following changes were made on the 1987 edition, East and West sections:

- Minor format and cosmetic changes.
- Deletion of the ALH 85116 specimen location, which turned out to be a terrestrial rock.
- Correction of the ALH 83100 strewn field designation in the legend and addition of ALH 83100 to the map.
- Elimination of the 7.5-cm overlap between the East and West sections.

TABLE 5. Tabulation of meteorite types from the Allan Hills Far Western Icefield (1982, 1983, 1984, 1985, and 1990 collections).

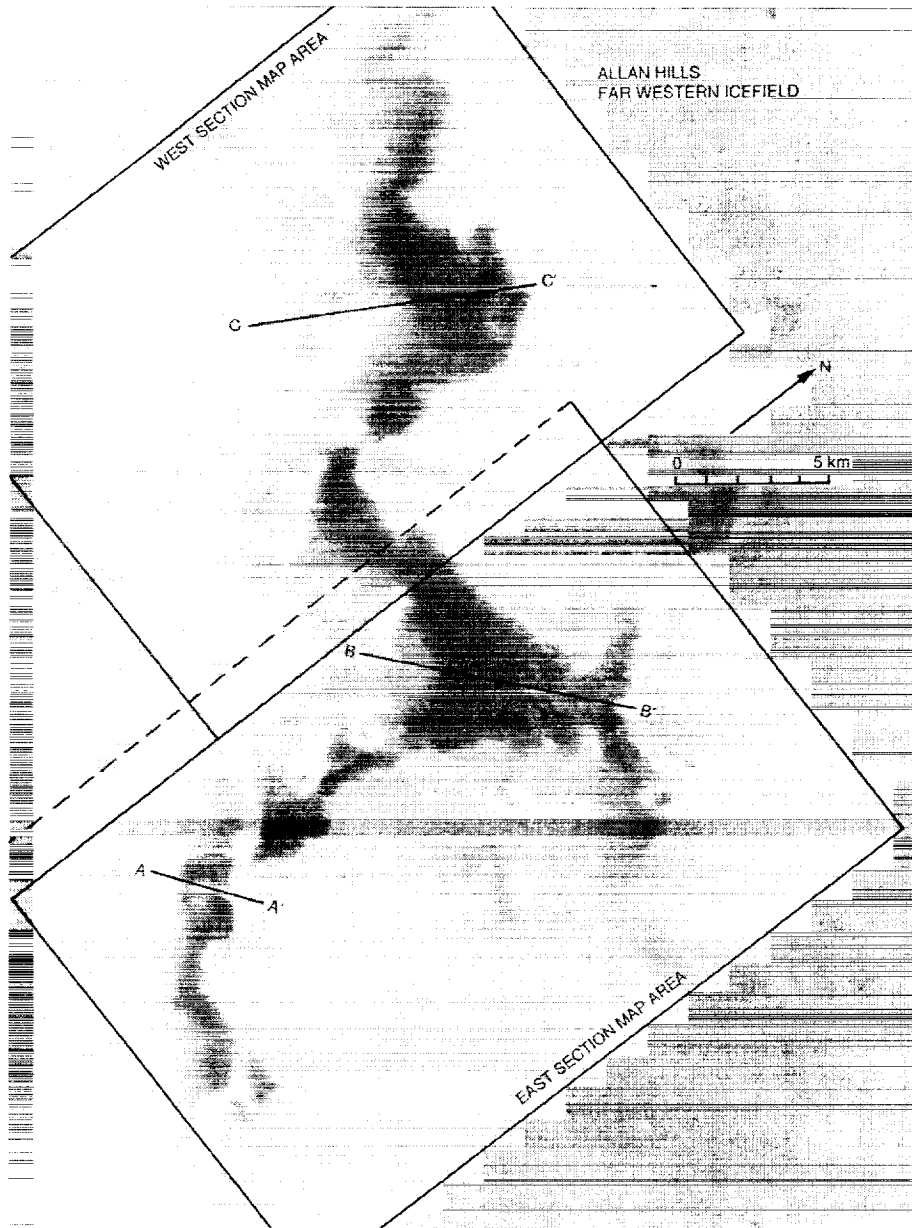
Number of Specimens	Classification
1	Achondrite (Brachina-like)
1	Carbonaceous (unique)
37	Carbonaceous C2
3	Carbonaceous C3O
2	Carbonaceous C3V
3	Carbonaceous C4
2	Diogenite
4	E-4 chondrite
1	Eucrite
2	H-3 chondrite
5	H-4 chondrite
86	H-5 chondrite
42	H-6 chondrite
7	L-3 chondrite
3	L-4 chondrite
9	L-5 chondrite
85	L-6 chondrite
2	LL-3 chondrite
20	LL-6 chondrite
1	LL-7(?) chondrite
3	Ureilite
7	Unclassified
326	Total

An updated edition (1991) of the East map section, which includes the 1990 collection, was produced. No up-

date was required for the West section since this area was not visited during the 1990–1991 season.

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Zolensky (1985–1986); S. Iveson, S. Traub-Metlay, and P. Wasilewski for their contributions to the Allan Hills Far Western Icefield Meteorite Location Map. T. Meunier of the U.S. Geological Survey provided location data for the 1982–1983 meteorites and satellite positioning-derived base station coordinates.



**Fig. 12.** Enlarged portion of satellite image showing the Allan Hills Far Western Icefield and the area covered by the east and west sections of the meteorite location maps. Dotted line is overlap area of 1986 map editions. Locations of slope profiles are also shown.

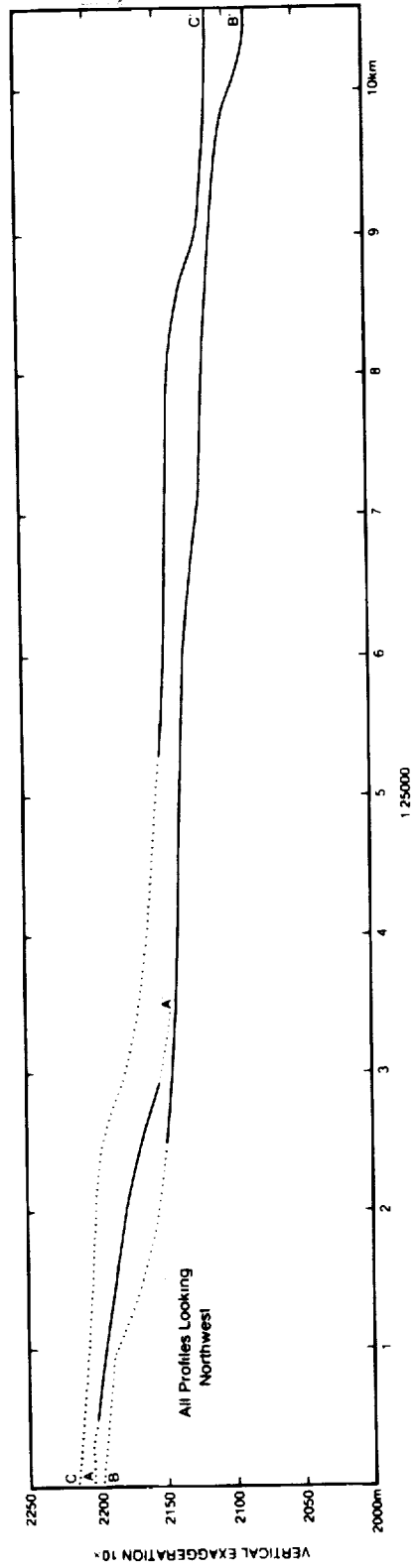


Fig. 13. Slope profiles of the Allan Hills Far Western Icefield.

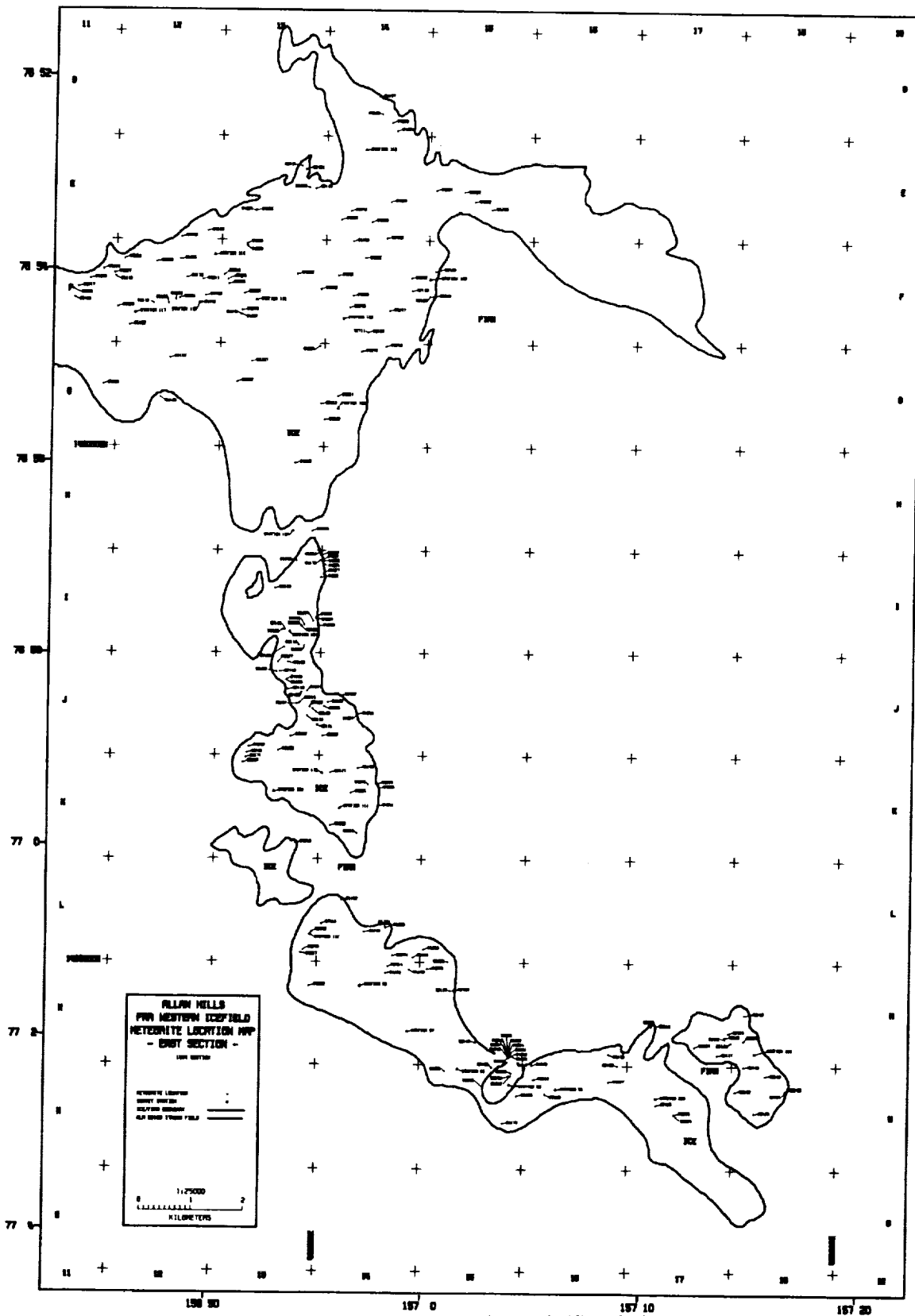


Fig. 14. Reduced example of the Allan Hills Far Western Icefield Meteorite Location Map, East Section.

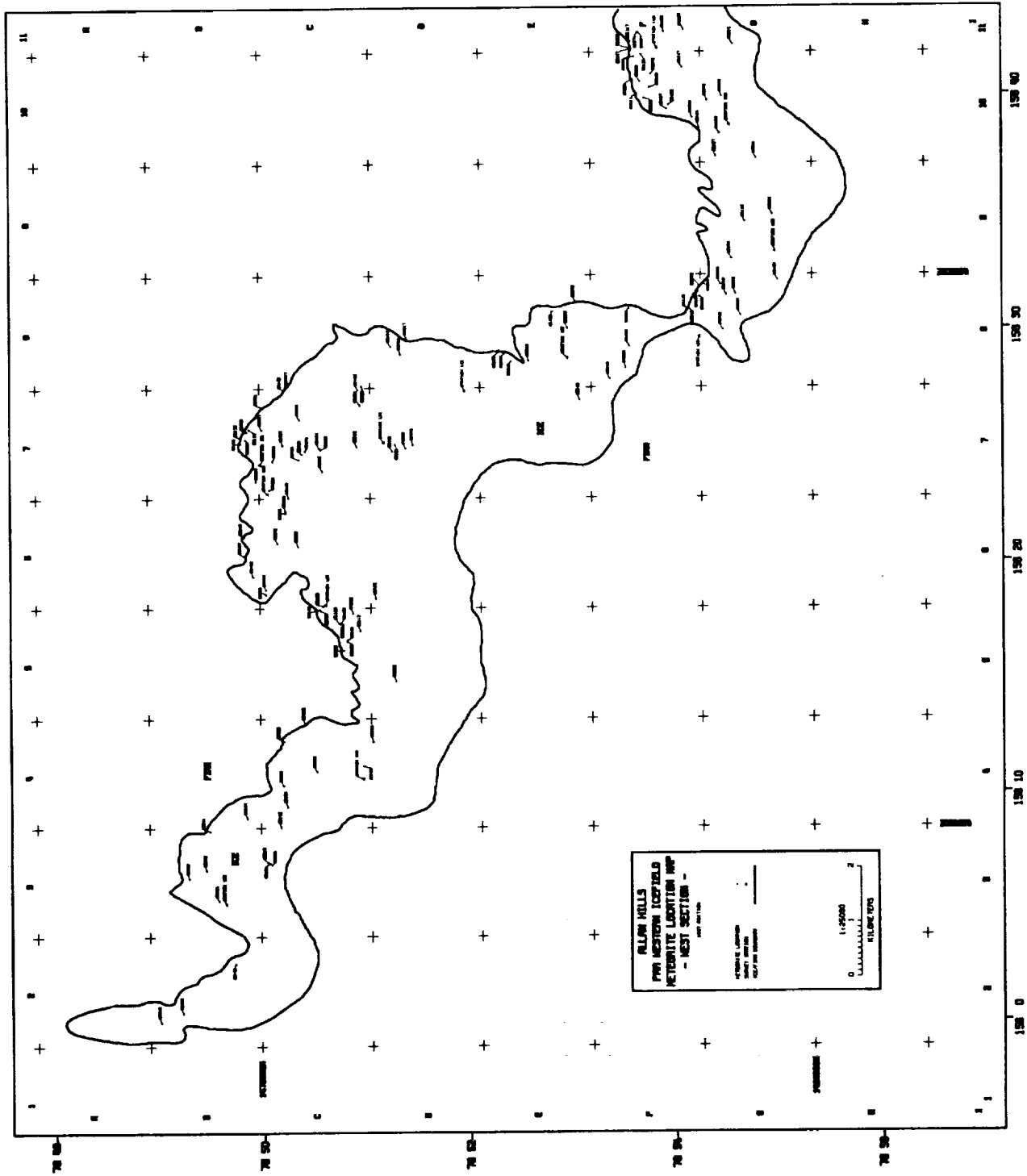


Fig. 15. Reduced example of the Allan Hills Far Western Icefield Meteorite Location Map, West Section.

Listing of meteorites recovered from the Allan Hills Far Western Icefield  
(1982, 1983, 1984, 1985, 1990 collections).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 82100	Carbonaceous C2	24.3	J-14	6(2)
ALH 82101	Carbonaceous C3O	29.1	E-13	6(2)
ALH 82102	H-5 chondrite	48.1	N-18	6(2)
ALH 82103	H-5 chondrite	2529.2	E-14	7(1)
ALH 82104	L-5 chondrite	398.8	N-17	7(1)
ALH 82105	L-6 chondrite	363.3	N-17	7(1)
ALH 82106	Ureilite	35.1	M-18	7(2)
ALH 82107	L-5 chondrite	9.2	J-13	7(2)
ALH 82108	H-5 chondrite	13.5	I-13	7(2)
ALH 82109	H-5 chondrite	47.2	M-15	7(2)
ALH 82110	H-3 chondrite	39.3	M-18	7(2)
ALH 82111	L-6 chondrite	63.0	F-14	7(2)
ALH 82112	H-5 chondrite	28.3	I-13	7(2)
ALH 82113	H-6 chondrite	61.2	J-13	7(2)
ALH 82114	H-5 chondrite	40.7	M-17	7(2)
ALH 82115	H-5 chondrite	48.5	J-13	7(2)
ALH 82116	H-6 chondrite	18.4	M-15	7(2)
ALH 82117	L-5 chondrite	4.2	M-17	7(2)
ALH 82118	L-6 chondrite	110.9	N-18	7(2)
ALH 82119	H-5 chondrite	23.9	J-13	7(2)
ALH 82120	H-5 chondrite	7.2	F-14	7(2)
ALH 82121	L-6 chondrite	2.4	M-17	7(2)
ALH 82122	H-5 chondrite	142.0	J-13	7(2)
ALH 82123	L-6 chondrite	110.8	H-13	7(2)
ALH 82124	H-6 chondrite	25.8	M-17	7(2)
ALH 82125	L-6 chondrite	178.4	J-13	7(2)
ALH 82126	H-4 chondrite	139.9	F-15	7(2)
ALH 82127	H-6 chondrite	5.1	J-13	7(2)
ALH 82128	H-4 chondrite	15.2	I-13	7(2)
ALH 82129	H-5 chondrite	14.1	J-13	7(2)
ALH 82130	Ureilite	44.6	N-18	7(2)
ALH 82131	Carbonaceous C2	1.0	E-13	7(2)
ALH 82132	E-4 chondrite	5.9	J-14	7(2)
ALH 82133	H-4 chondrite	19.7	F-15	7(2)
ALH 82134	H-5 chondrite	28.2	E-13	7(2)
ALH 82135	Carbonaceous C4	12.1	F-14	7(2)
ALH 82136	H-4 chondrite	4.3	F-15	7(2)
ALH 82137	L-5 chondrite	10.8	M-15	7(2)
ALH 82138	H-6 chondrite	5.0	J-13	7(2)
ALH 82139	L-6 chondrite	0.2	N-18	7(2)
ALH 82140	L-6 chondrite	0.3	N-18	7(2)
ALH 82141	H-5 chondrite	0.6	M-17	7(2)
ALH 82142	L-6 chondrite	20.0	E-13	7(2)
ALH 82143	H-6 chondrite	3.5	G-13	7(2)
ALH 82144	H-5 chondrite	7.3	N-18	7(2)
ALH 83100	Carbonaceous C2	3019.0	N-15	7(1)
ALH 83101	L-6 chondrite	639.2	J-13	8(1)
ALH 83102	Carbonaceous C2	1786.2	M-16	8(1)
ALH 83103	H-6 chondrite	51.8	J-13	10(2)
ALH 83104	H-5 chondrite	2.1	I-13	10(2)
ALH 83105	L-6 chondrite	0.7	N-15	10(2)
ALH 83106	Carbonaceous C2	22.3	I-13	9(1)
ALH 83107	H-5 chondrite	38.4	K-13	10(2)
ALH 83108	Carbonaceous C3O	1519.4	N-15	9(1)



Listing of meteorites recovered from the Allan Hills Far Western Icefield  
(1982, 1983, 1984, 1985, 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 84001	Diogenite	1930.9	G-11	8(2)
ALH 84005	L-5 chondrite	12000.0	E-13	9(1)
ALH 84025	Achon. (Brachina-like)	4.6	L-15	8(2)
ALH 84027	LL-7(?) chondrite	8.0	F-11	8(2)
ALH 84029	Carbonaceous C2	119.8	N-15	8(2)
ALH 84030	Carbonaceous C2	6.2	M-16	8(2)
ALH 84031	Carbonaceous C2	12.5	M-15	8(2)
ALH 84032	Carbonaceous C2	7.9	M-15	8(2)
ALH 84034	Carbonaceous C2	44.1	M-15	8(2)
ALH 84035	Carbonaceous C2	3.2	K-14	9(2)
ALH 84036	Carbonaceous C2	2.8	E-12	9(2)
ALH 83037	Carbonaceous C3V	3.0	J-14	9(2)
ALH 84038	Carbonaceous C4	12.3	E-15	9(2)
ALH 84039	Carbonaceous C2	32.8	E-14	9(2)
ALH 84040	Carbonaceous C2	28.7	M-15	9(2)
ALH 84041	Carbonaceous C2	1.3	K-14	9(2)
ALH 84042	Carbonaceous C2	51.3	N-15	8(2)
ALH 84043	Carbonaceous C2	16.8	M-15	9(2)
ALH 84044	Carbonaceous C2	147.4	N-15	8(2)
ALH 84045	Carbonaceous C2	11.4	M-15	9(2)
ALH 84046	Carbonaceous C2	1.5	J-14	9(2)
ALH 84047	Carbonaceous C2	4.4	M-15	9(2)
ALH 84048	Carbonaceous C2	12.6	M-15	9(2)
ALH 84049	Carbonaceous C2	29.4	M-15	9(2)
ALH 84050	Carbonaceous C2	3.2	L-14	9(2)
ALH 84051	Carbonaceous C2	34.3	M-15	9(2)
ALH 84052	LL-6 chondrite	10.5	I-13	9(2)
ALH 84053	Carbonaceous C2	5.2	L-15	9(2)
ALH 84058	L-6 chondrite	2002.5	L-14	9(1)
ALH 84060	H-5 chondrite	338.9	E-14	9(1)
ALH 84061	L-6 chondrite	676.4	K-14	9(1)
ALH 84062	L-6 chondrite	958.2	G-13	9(1)
ALH 84063	L-5 chondrite	759.6	J-14	9(1)
ALH 84064	H-5 chondrite	1889.1	G-13	9(1)
ALH 84065	L-6 chondrite	1641.7	F-12	9(2)
ALH 84068	H-5 chondrite	1114.1	G-14	9(1)
ALH 84070	L-6 chondrite	3951.7	F-13	9(1)
ALH 84073	H-5 chondrite	630.6	G-14	9(3)
ALH 84074	H-5 chondrite	757.5	L-14	9(3)
ALH 84076	H-5 chondrite	368.7	K-14	9(3)
ALH 84077	H-5 chondrite	276.4	I-13	9(3)
ALH 84078	H-5 chondrite	283.3	M-15	9(3)
ALH 84079	L-6 chondrite	749.6	F-13	9(3)
ALH 84080	L-6 chondrite	286.8	F-13	9(3)
ALH 84081	LL-6 chondrite	612.3	G-14	9(3)
ALH 84082	H-6 chondrite	556.6	E-15	9(3)
ALH 84084	H-4 chondrite	331.8	F-13	9(3)
ALH 84086	LL-3 chondrite	234.0	N-15	9(3)
ALH 84087	L-6 chondrite	314.6	F-13	9(3)
ALH 84088	H-5 chondrite	297.5	F-13	9(3)
ALH 84089	H-5 chondrite	303.8	F-14	9(3)
ALH 84091	H-5 chondrite	214.6	M-17	9(3)
ALH 84092	L-6 chondrite	213.9	F-14	9(3)

Listing of meteorites recovered from the Allan Hills Far Western Icefield  
(1982, 1983, 1984, 1985, 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 84094	H-5 chondrite	207.6	D-14	9(3)
ALH 84095	L-6 chondrite	276.8	H-13	9(3)
ALH 84097	L-6 chondrite	388.7	F-11	9(3)
ALH 84098	H-5 chondrite	260.5	D-14	9(3)
ALH 84099	H-5 chondrite	150.3	D-14	9(3)
ALH 84102	L-6 chondrite	213.9	F-12	10(1)
ALH 84104	L-6 chondrite	201.1	L-14	10(1)
ALH 84106	L-6 chondrite	94.7	E-13	10(2)
ALH 84107	LL-6 chondrite	134.1	N-16	9(3)
ALH 84108	H-6 chondrite	214.8	F-11	10(1)
ALH 84112	L-6 chondrite	145.8	F-12	10(1)
ALH 84114	H-6 chondrite	119.9	J-13	10(1)
ALH 84115	H-6 chondrite	194.5	N-16	10(1)
ALH 84117	H-5 chondrite	71.8	F-10	9(3)
ALH 84119	LL-6 chondrite	33.8	F-11	9(3)
ALH 84120	L-3 chondrite	129.0	F-13	10(1)
ALH 84126	LL-3 chondrite	41.2	E-12	9(3)
ALH 84129	L-6 chondrite	37.6	G-12	11(2)
ALH 84132	L-6 chondrite	157.8	L-14	10(1)
ALH 84133	H-5 chondrite	70.5	F-12	11(2)
ALH 84134	L-6 chondrite	113.4	F-11	10(1)
ALH 84135	H-5 chondrite	31.3	J-13	9(3)
ALH 84136	Ureilite	83.5	M-16	9(3)
ALH 84140	L-6 chondrite	164.0	M-14	10(1)
ALH 84141	L-6 chondrite	130.3	F-12	10(1)
ALH 84142	L-6 chondrite	78.5	L-14	10(2)
ALH 84144	H-5 chondrite	53.9	I-13	11(2)
ALH 84145	H-5 chondrite	19.2	I-13	11(2)
ALH 84147	H-6 chondrite	54.2	G-13	9(3)
ALH 84150	H-6 chondrite	20.0	M-14	11(2)
ALH 84152	H-5 chondrite	6.4	K-14	11(2)
ALH 84153	H-6 chondrite	242.9	J-13	9(3)
ALH 84154	LL-6 chondrite	87.6	F-11	11(2)
ALH 84155	H-5 chondrite	113.9	F-12	11(2)
ALH 84157	H-5 chondrite	88.6	D-14	9(3)
ALH 84158	H-5 chondrite	53.7	F-14	11(2)
ALH 84160	L-6 chondrite	53.9	G-12	10(2)
ALH 84163	H-5 chondrite	134.9	E-15	10(1)
ALH 84171	H-6 chondrite	36.6	K-13	10(2)
ALH 84175	H-5 chondrite	35.4	I-13	11(1)
ALH 84179	H-5 chondrite	46.5	N-15	11(1)
ALH 84182	L-6 chondrite	14.2	K-14	11(1)
ALH 84193	L-6 chondrite	9.4	F-12	10(2)
ALH 84199	H-5 chondrite	27.1	I-13	11(1)
ALH 84204	H-6 chondrite	24.4	E-13	10(2)
ALH 84205	L-3 chondrite	25.2	E-14	11(1)
ALH 84207	L-6 chondrite	4.5	I-14	10(2)
ALH 84208	H-6 chondrite	20.9	I-13	11(1)
ALH 84211	H-6 chondrite	49.2	F-12	11(1)
ALH 84217	H-5 chondrite	2.7	L-13	11(1)
ALH 84218	L-6 chondrite	33.0	L-13	10(2)
ALH 84219	L-6 chondrite	9.8	K-13	10(2)
ALH 84221	H-5 chondrite	16.4	E-15	11(1)

Listing of meteorites recovered from the Allan Hills Far Western Icefield  
(1982, 1983, 1984, 1985, 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 84223	H-5 chondrite	10.6	M-13	11(1)
ALH 84231	L-6 chondrite	42.6	F-14	10(2)
ALH 84234	L-6 chondrite	3.9	I-14	11(2)
ALH 84241	H-5 chondrite	16.7	J-13	11(1)
ALH 84244	L-6 chondrite	33.5	F-14	10(2)
ALH 84245	H-5 chondrite	18.9	I-13	9(3)
ALH 84247	L-6 chondrite	49.6	F-14	10(2)
ALH 84249	H-5 chondrite	23.4	J-13	11(1)
ALH 84251	H-5 chondrite	34.3	I-13	11(1)
ALH 84252	H-6 chondrite	3.1	F-12	9(3)
ALH 84253	H-5 chondrite	7.1	I-13	11(1)
ALH 84254	E-4 chondrite	2.0	K-14	9(3)
ALH 84255	LL-6 chondrite	11.3	I-14	9(3)
ALH 84257	H-6 chondrite	18.8	I-13	10(2)
ALH 84258	L-5 chondrite	2.6	F-12	11(1)
ALH 84261	L-6 chondrite	5.1	F-12	10(2)
ALH 84264	L-6 chondrite	137.6	N-17	9(3)
ALH 85001	Eucrite	212.3	C-7	9(3)
ALH 85002	Carbonaceous C4	437.7	G-8	9(3)
ALH 85003	Carbonaceous C3O	50.1	F-13	10(1)
ALH 85004	Carbonaceous C2	8.4	M-17	10(1)
ALH 85005	Carbonaceous C2	18.9	J-14	9(3)
ALH 85006	Carbonaceous C3V	49.0	C-5	9(3)
ALH 85007	Carbonaceous C2	82.0	F-13	9(3)
ALH 85008	Carbonaceous C2	32.1	C-3	9(3)
ALH 85009	Carbonaceous C2	46.6	C-3	9(3)
ALH 85010	Carbonaceous C2	3.2	C-3	10(1)
ALH 85011	Carbonaceous C2	10.7	B-3	10(1)
ALH 85012	Carbonaceous C2	3.9	M-17	10(1)
ALH 85013	Carbonaceous C2	130.4	E-7	9(3)
ALH 85014	L-6 chondrite	75.0	G-11	9(3)
ALH 85015	Diogenite	3.2	F-8	9(3)
ALH 85016	L-6 chondrite	1412.0	K-14	10(1)
ALH 85017	L-6 chondrite	2361.4	F-11	10(1)
ALH 85018	H-6 chondrite	811.8	E-8	10(1)
ALH 85019	LL-6 chondrite	632.8	G-8	10(1)
ALH 85020	H-6 chondrite	744.3	F-12	10(1)
ALH 85021	H-5 chondrite	646.8	C-7	10(1)
ALH 85022	L-6 chondrite	951.5	C-6	10(1)
ALH 85023	H-6 chondrite	438.5	B-7	10(1)
ALH 85024	H-5 chondrite	387.7	C-7	10(1)
ALH 85025	H-5 chondrite	713.0	C-8	10(1)
ALH 85026	L-6 chondrite	817.1	D-5	10(1)
ALH 85027	L-6 chondrite	370.4	G-10	10(1)
ALH 85028	H-6 chondrite	325.7	C-7	10(1)
ALH 85029	L-6 chondrite	388.8	C-7	10(1)
ALH 85030	H-6 chondrite	619.7	E-8	10(1)
ALH 85031	H-6 chondrite	200.6	F-8	10(1)
ALH 85032	H-6 chondrite	424.2	D-7	10(1)
ALH 85033	L-4 chondrite	249.8	D-7	10(1)
ALH 88034	L-6 chondrite	343.9	G-9	10(1)
ALH 85036	H-6 chondrite	231.5	C-6	10(1)
ALH 85038	H-5 chondrite	124.9	B-3	10(2)

Listing of meteorites recovered from the Allan Hills Far Western Icefield  
(1982, 1983, 1984, 1985, 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 85039	L-6 chondrite	140.2	F-10	10(2)
ALH 85040	L-6 chondrite	95.7	B-2	10(2)
ALH 85042	H-5 chondrite	127.9	F-13	10(2)
ALH 85043	H-5 chondrite	204.7	G-8	10(2)
ALH 85045	L-3 chondrite	145.0	D-7	10(2)
ALH 85046	L-6 chondrite	148.9	F-13	10(2)
ALH 85047	L-6 chondrite	4.2	D-8	10(2)
ALH 85049	L-6 chondrite	4.8	E-8	10(2)
ALH 85050	L-6 chondrite	0.9	E-8	10(2)
ALH 85051	H-5 chondrite	4.9	C-7	11(2)
ALH 85052	H-6 chondrite	17.4	B-3	11(2)
ALH 85053	L-4 chondrite	0.5	F-11	10(2)
ALH 85054	H-5 chondrite	55.3	C-7	12(1)
ALH 85055	H-5 chondrite	5.8	F-11	12(1)
ALH 85056	H-5 chondrite	7.5	C-5	11(2)
ALH 85057	LL-6 chondrite	0.8	C-7	10(2)
ALH 85058	L-4 chondrite	0.3	F-10	11(2)
ALH 85059	LL-6 chondrite	8.8	F-10	10(2)
ALH 85060	L-6 chondrite	0.5	C-4	10(2)
ALH 85061	L-6 chondrite	2.0	C-6	10(2)
ALH 85062	L-3 chondrite	167.3	C-4	10(2)
ALH 85063	L-6 chondrite	12.7	D-8	10(2)
ALH 85064	L-6 chondrite	3.7	C-6	10(2)
ALH 85065	L-6 chondrite	9.7	B-7	10(2)
ALH 85066	LL-6 chondrite	8.0	G-8	10(2)
ALH 85069	H-6 chondrite	4.6	C-7	11(2)
ALH 85070	L-3 chondrite	12.9	C-6	11(2)
ALH 85071	H-5 chondrite	18.7	F-11	11(2)
ALH 85072	H-6 chondrite	4.3	E-8	10(2)
ALH 85073	LL-6 chondrite	15.6	G-10	10(2)
ALH 85074	H-5 chondrite	3.3	F-10	11(2)
ALH 85075	L-6 chondrite	36.4	F-10	10(2)
ALH 85077	H-5 chondrite	12.0	C-8	11(2)
ALH 85078	L-6 chondrite	1.2	F-8	11(2)
ALH 85079	LL-6 chondrite	83.1	G-9	10(2)
ALH 85080	L-6 chondrite	54.2	F-8	10(2)
ALH 85081	H-6 chondrite	12.2	G-10	11(2)
ALH 85082	L-6 chondrite	19.4	F-10	10(2)
ALH 85083	L-6 chondrite	92.9	F-10	10(2)
ALH 85084	LL-6 chondrite	18.4	B-3	10(2)
ALH 85085	Carbonaceous (unique)	11.9	C-7	10(2)
ALH 85086	H-5 chondrite	12.2	C-5	12(1)
ALH 85087	L-6 chondrite	11.3	F-11	10(2)
ALH 85089	H-5 chondrite	1.5	G-10	12(1)
ALH 85090	L-6 chondrite	10.5	F-12	10(2)
ALH 85091	H-5 chondrite	31.1	D-4	12(1)
ALH 85092	L-5 chondrite	25.6	C-7	10(2)
ALH 85093	L-6 chondrite	11.5	F-8	10(2)
ALH 85095	L-6 chondrite	32.5	C-4	10(2)
ALH 85096	L-6 chondrite	3.1	C-4	10(2)
ALH 85097	H-5 chondrite	61.4	G-8	12(1)
ALH 85098	H-5 chondrite	6.8	C-5	12(1)
ALH 85099	H-5 chondrite	7.1	C-4	12(1)

Listing of meteorites recovered from the Allan Hills Far Western Icefield  
(1982, 1983, 1984, 1985, 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 85100	H-5 chondrite	57.7	C-4	12(1)
ALH 85101	L-6 chondrite	8.1	D-7	12(1)
ALH 85102	H-5 chondrite	12.6	C-6	12(1)
ALH 85103	L-6 chondrite	86.9	G-10	12(1)
ALH 85104	H-5 chondrite	98.9	C-7	12(1)
ALH 85105	L-6 chondrite	12.4	G-8	12(1)
ALH 85106	Carbonaceous C2	2.7	F-8	10(2)
ALH 85107	H-5 chondrite	36.6	F-10	12(1)
ALH 85108	H-6 chondrite	14.6	C-5	12(1)
ALH 85111	H-5 chondrite	12.9	F-10	12(1)
ALH 85112	L-6 chondrite	23.0	C-5	10(2)
ALH 85113	L-6 chondrite	39.9	G-9	10(2)
ALH 85114	H-5 chondrite	11.4	B-7	10(2)
ALH 85115	L-6 chondrite	21.9	F-8	10(2)
ALH 85117	H-6 chondrite	27.8	F-11	10(2)
ALH 85119	E-4 chondrite	20.6	B-4	10(2)
ALH 85120	H-5 chondrite	8.2	C-6	12(1)
ALH 85121	H-3 chondrite	55.3	C-7	11(2)
ALH 85124	L-6 chondrite	63.5	F-10	10(2)
ALH 85125	H-5 chondrite	18.8	E-8	12(1)
ALH 85126	H-5 chondrite	46.5	D-8	12(1)
ALH 85127	H-6 chondrite	10.0	K-14	12(1)
ALH 85128	H-6 chondrite	16.1	C-5	10(2)
ALH 85129	LL-6 chondrite	127.4	F-11	10(2)
ALH 85130	H-6 chondrite	99.7	B-2	10(2)
ALH 85131	L-6 chondrite	34.2	C-5	10(2)
ALH 85132	L-6 chondrite	49.3	C-5	10(2)
ALH 85133	H-5 chondrite	90.6	N-16	12(1)
ALH 85134	H-5 chondrite	10.4	F-10	12(1)
ALH 85135	LL-6 chondrite	11.6	C-7	10(2)
ALH 85136	H-6 chondrite	75.3	C-7	12(1)
ALH 85137	LL-6 chondrite	6.7	B-6	10(2)
ALH 85138	LL-6 chondrite	18.0	B-7	10(2)
ALH 85139	H-6 chondrite	26.0	F-10	12(1)
ALH 85140	H-6 chondrite	9.1	F-14	12(1)
ALH 85141	H-5 chondrite	10.6	B-7	12(1)
ALH 85142	H-5 chondrite	50.8	B-6	12(1)
ALH 85143	H-5 chondrite	17.9	C-5	12(1)
ALH 85145	H-5 chondrite	45.6	G-14	12(1)
ALH 85146	H-5 chondrite	39.7	C-4	12(1)
ALH 85147	L-6 chondrite	3.0	F-11	10(2)
ALH 85148	H-6 chondrite	3.6	F-8	10(2)
ALH 85149	L-6 chondrite	16.9	B-6	10(2)
ALH 85150	L-5 chondrite	13.0	G-8	12(1)
ALH 85152	LL-6 chondrite	36.4	C-7	10(2)
ALH 85154	LL-6 chondrite	4.9	B-2	10(2)
ALH 85155	L-3 chondrite	18.5	C-7	10(2)
ALH 85156	H-6 chondrite	32.0	B-7	12(1)
ALH 85157	L-6 chondrite	20.1	F-8	10(2)
ALH 85158	LL-6 chondrite	2.9	E-8	10(2)
ALH 85159	E-4 chondrite	11.0	D-6	10(2)
ALH 90406			I-13	
ALH 90407	Carbonaceous C2	0.6	I-14	15(1)

Listing of meteorites recovered from the Allan Hills Far Western Icefield  
(1982, 1983, 1984, 1985, 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
ALH 90408			I-14	
ALH 90409			J-13	
ALH 90410			J-13	
ALH 90411	L-3 chondrite	5836.5	J-13	14(2)
ALH 90412			L-13	
ALH 90413			L-14	
ALH 90414			M-14	

## ELEPHANT MORaine METEORITE LOCATION MAP SERIES

What has become known as the Elephant Moraine area of the Allan Hills–David Glacier region actually comprises a series of large, discontinuous, and separate bare ice areas in the vicinity of the Elephant Moraine (76°11'S, 157°10'E) (Fig. 2). Meteorites that have been recovered from these areas have all been named with prefix EET in the same way that, for example, the meteorites from the Far Western Icefield have been designated as ALH meteorites. Meteorites have been found on many of these icefields, sometimes in high concentrations. As a result, we have given informal names to some of these local areas with high meteorite densities. Meteorite location maps have been produced for two areas that so far have been searched in detail: the area in the immediate vicinity of Elephant Moraine and an icefield known as Texas Bowl. The areas covered by the Elephant Moraine–Elephant Moraine Icefield Meteorite Location Map and the Elephant Moraine–Texas Bowl Meteorite Location Map are shown in Fig. 16. Other icefields, such as the Meteorite City area, have produced significant numbers of meteorites. Meteorite locations have been determined there, but maps of these areas will not be produced until systematic searches have been completed.

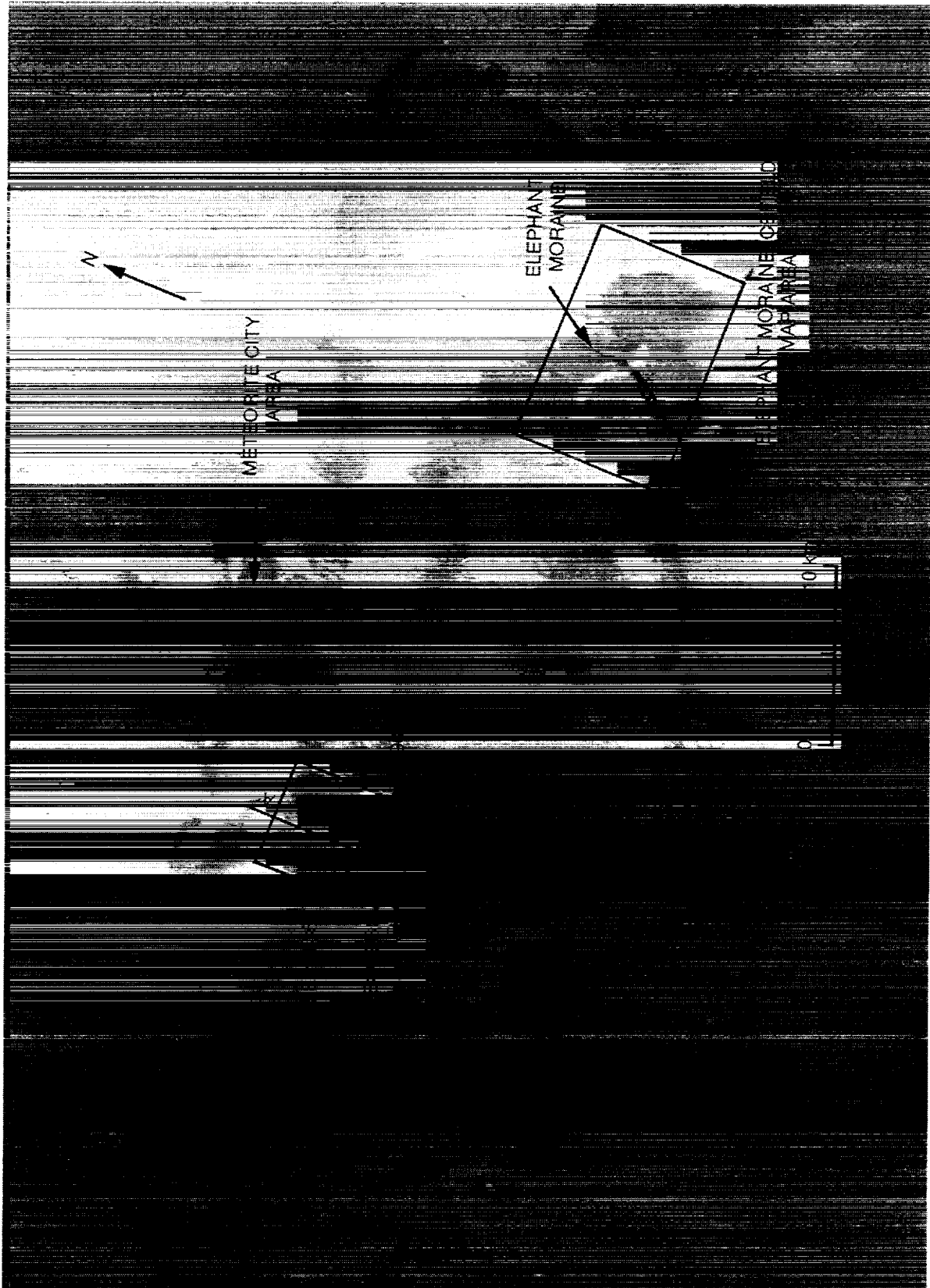
Most of the Elephant Moraine icefields are colinear and are associated with an ice escarpment extending westward from Reckling Peak for 100 km. A large bare ice area 35 km northwest of Elephant Moraine is not colinear with this system. We have called it the Elephant Moraine Northern Ice Patch, and it does not appear to be directly associated with the Reckling Moraine–Elephant Moraine escarpment. The topography is complex along these features, with many escarpments, steps, and basins. Elephant

Moraine itself is an unusual, isolated surficial moraine lying along the escarpment (Fig. 2). No other moraines are present in the area that we refer to as the Elephant Moraine icefields.

Meteorites were first discovered on the ice immediately surrounding Elephant Moraine during a reconnaissance traverse in the 1979–1980 season (Cassidy, 1980). Systematic searches of the area and brief visits by ANSMET expeditions and others resulted in numerous recoveries during the 1982–1983, 1983–1984, 1984–1985, 1986–1987, and 1987–1988 field seasons. During the 1982–1983 season a reconnaissance trip was made to the icefields located 20–35 km west of Elephant Moraine. From this area six meteorites (EET 82604, EET 82609, EET 82610, EET 82614, EET 82615, and EET 82616) were recovered. The Northern Ice Patch was also briefly visited and two meteorites (EET 82608 and EET 82612) were collected.

The 1987–1988 ANSMET expedition conducted comprehensive reconnaissance surveys west and north of Elephant Moraine that included detailed searches of local areas in Texas Bowl, Meteorite City, and at the Northern Ice Patch. During the 1992–1993 field season the Northern Ice Patch was completely searched. Only preliminary editions of the Elephant Moraine–Northern Ice Patch Meteorite Location Map are available at this time. Since this field season has only recently been completed, no meteorites have been characterized and thus no text is included in this report.

Note that the meteorite listings for the Elephant Moraine and Texas Bowl map areas only include those EET specimens that were found within the map area or general vicinity.



**Fig. 16.** Enlarged portion of a satellite image showing part of the Elephant Moraine-Icefield area. Areas covered by the Elephant Moraine-Icefield Meteorite Location Map and the Elephant Moraine-Texas Bowl Meteorite Location Map are indicated. Location of the slope profile in the Texas Bowl area is also shown, as well as the locations of the meteorites from the Texas Bowl area not within the meteorite location map area.



## ELEPHANT MORaine-ELEPHANT MORaine ICEFIELD

Elephant Moraine is an unusual, isolated, surficial moraine not associated with exposed bedrock, which lies along an escarpment running westward from Reckling Peak (Fig. 2). Bare ice areas surround the moraine. In the vicinity of the moraine, upwards of 50 km<sup>2</sup> of ice is exposed. Elephant Moraine consists of a thin veneer of rocks lying on ice. The moraine tails out toward the north, normal to the escarpment and following the ice flow toward the David Glacier (Fig. 17). Elephant Moraine and the similar Reckling Moraine have been the focus of studies by Faure and co-workers (*Faure and Taylor, 1985; Faure et al., 1987*).

Ten meteorites were collected on a reconnaissance visit to Elephant Moraine in the 1979–1980 field season. A brief period during the 1982–1983 season was spent in systematic searching. Virtually the entire bare ice area covered by the location map was systematically searched or visited on a reconnaissance basis during the 1983–1984 season. Small collections were made in the 1984–1985 and 1986–1987 seasons by the parties studying the moraine. During the 1987–1988 season the area around the moraine was again visited and 35 meteorites were recovered from the area covered by the Elephant Moraine–Elephant Moraine Icefield Meteorite Location Map. Table 6 is a tabulation of types of meteorites and their numbers from the Elephant Moraine Icefield.

The locations of 261 of the 263 meteorites collected from the vicinity of Elephant Moraine in the 1979–1980, 1982–1983, 1983–1984, 1984–1985, and 1986–1987 seasons are plotted on the Elephant Moraine–Elephant Moraine Icefield Meteorite Location Map. The area covered by the map is shown in Fig. 16. A reduced-scale example of the map is shown in Fig. 18. The map is plotted at a scale of 1:12,500 in the UTM (zone 57) projection. The grid crosses are on 1 km spacings. Three editions of the map have been produced. The following changes have been made to the 1987 edition:

- Addition of the three 1986 specimens.
- Deletion of terrestrial samples EET 83313, EET 83327, EET 83332, and EET 83381 from the map and meteorite databases.
- Addition of EET 83403 to the map and meteorite databases.
- Combined location of two mapped fragments of EETA 79007 to one representative location.
- Minor format and cosmetic enhancements.

The 1991 edition includes the 1987 meteorite collection.

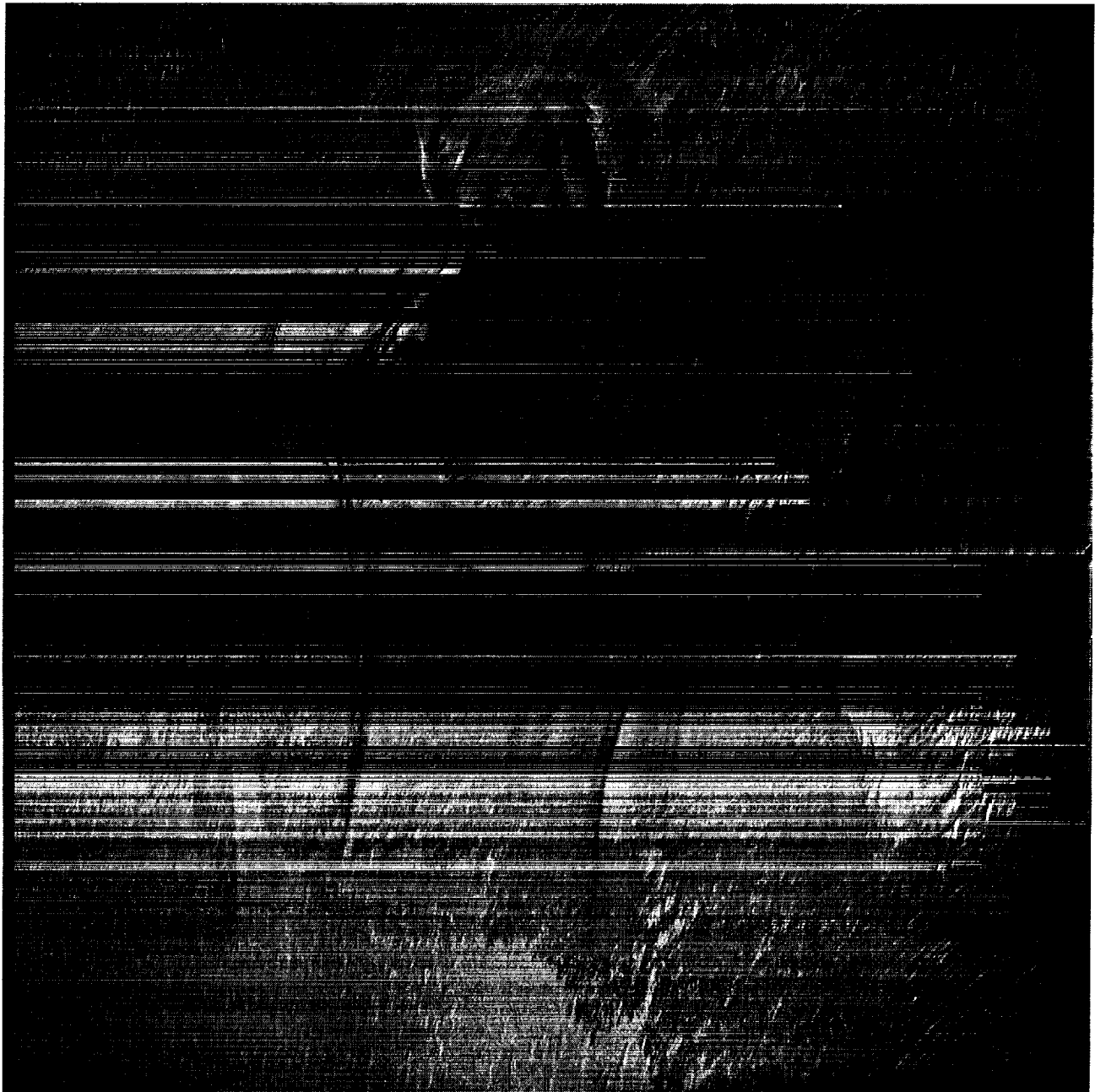
The locations of meteorites found on the 1979–1980 reconnaissance trip were plotted approximately on aerial photographs. The locations of meteorites found in succeeding seasons were determined by a variety of surveying methods. Thus, only the relative positions of meteorites found within a given season are shown accurately. A theodolite and EDM were used to establish precise control po-

sitions of the 110, 115, and Elephant stations relative to the satellite-surveyed Dr. Seuss base station.

TABLE 6. Tabulation of meteorite types from the Elephant Moraine–Elephant Moraine Icefield 1979, 1982, 1983, 1984, and 1987 collections).

Number of Specimens	Classification
1	Achondrite (unique)
6	Carbonaceous C2
1	Carbonaceous C4
3	Diogenite
3	E-4 chondrite
3	Eucrite
13	Eucrite (polymict)
2	H-3 chondrite
4	H-4 chondrite
1	H-4,6 chondrite
38	H-5 chondrite
26	H-6 chondrite
7	Howardite
1	Iron IAB-with silica inclusions
1	Iron-ataxite (ungrouped)
1	Iron-group IIAB (anomalous)
1	Iron-group IAB
1	Iron-group IIE (anomalous)
5	L-3 chondrite
4	L-4 chondrite
16	L-5 chondrite
107	L-6 chondrite
3	LL-5 chondrite
1	LL-3 chondrite
11	LL-6 chondrite
1	Shergottite
2	Ureilite
263	Total

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**Fig. 17.** Vertical aerial photo of Elephant Moraine. The entire area of the Elephant Moraine–Elephant Moraine Icefield Meteorite Location Map is located within the area covered by the photo (U.S.G.S./U.S. Navy photo TMA 2376-028-F31).

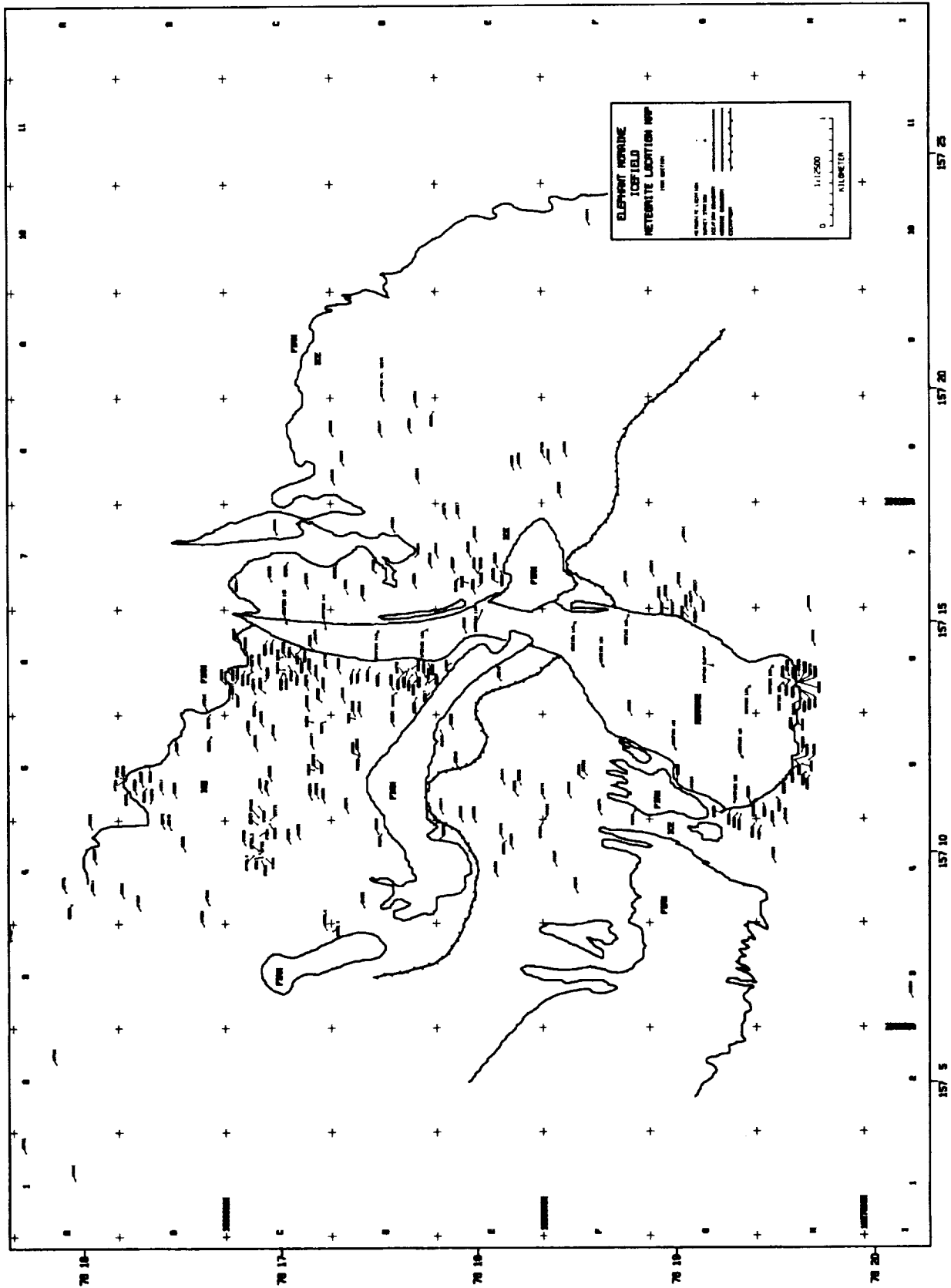


Fig. 18. Reduced example of the Elephant Moraine–Elephant Moraine Icefield Meteorite Location Map.

Listing of meteorites recovered from the Elephant Moraine–Elephant Moraine Icefield  
(1979, 1982, 1983, 1984, 1986, and 1987 collections).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EETA79001	Shergottite	7942.0	D-7	3(3)
EETA79002	Diogenite	2843.0	H-6	3(3)
EETA79003	L-6 chondrite	435.6	D-6	4(1)
EETA79004	Eucrite (polymict)	390.3	D-6	3(3)
EETA79005	Eucrite (polymict)	450.9	D-6	3(3)
EETA79006	Howardite	716.4	D-5	3(3)
EETA79007	H-5 chondrite	199.9	C-5	4(1)
EETA79009	L-5 chondrite	140.3	D-6	4(1)
EETA79010	L-6 chondrite	287.3	D-5	4(1)
EETA79011	Eucrite (polymict)	86.4	D-5	3(3)
EET 82600	Howardite	247.1	D-6	6(2)
EET 82601	L-3 chondrite	149.5	E-7	7(2)
EET 82602	H-4 chondrite	1824.1	D-5	7(1)
EET 82603	H-5 chondrite	8210.0	D-8	7(1)
EET 82605	L-6 chondrite	624.6	D-5	7(1)
EET 82606	L-6 chondrite	981.9	D-5	7(1)
EET 82607	L-6 chondrite	165.3	D-8	7(1)
EET 82611	L-4 chondrite	12.6	G-7	7(2)
EET 82613	L-4 chondrite	4.2	G-7	7(2)
EET 83200	H-5 chondrite	778.8	E-4	8(1)
EET 83201	H-6 chondrite	1059.8	D-7	8(1)
EET 83202	L-6 chondrite	1213.2	E-5	8(1)
EET 83203	H-5 chondrite	545.6	H-6	8(1)
EET 83204	LL-6 chondrite	376.6	D-4	8(1)
EET 83205	L-6 chondrite	470.8	H-6	8(1)
EET 83206	L-6 chondrite	461.9	C-4	8(1)
EET 83207	H-4 chondrite	1238.3	A-4	8(1)
EET 83208	H-5 chondrite	263.0	B-5	8(1)
EET 83209	L-6 chondrite	520.0	H-4	8(1)
EET 83210	L-6 chondrite	425.6	C-6	8(1)
EET 83211	H-4 chondrite	542.7	A-4	8(1)
EET 83212	Eucrite (polymict)	402.1	C-6	8(1)
EET 83213	LL-3 chondrite	2727.0	C-6	8(1)
EET 83214	L-6 chondrite	1397.5	C-6	8(1)
EET 83215	H-6 chondrite	510.4	E-6	8(1)
EET 83216	L-6 chondrite	789.9	G-5	9(1)
EET 83217	L-6 chondrite	374.7	G-7	9(1)
EET 83218	L-6 chondrite	191.9	C-6	9(1)
EET 83219	L-6 chondrite	243.3	B-4	9(1)
EET 83220	L-6 chondrite	330.9	C-5	9(1)
EET 83221	H-4,6 chondrite	313.9	H-4	9(1)
EET 83222	L-6 chondrite	317.0	E-7	9(1)
EET 83223	H-5 chondrite	218.6	D-7	9(1)
EET 83224	Carbonaceous C2	8.6	F-10	8(1)
EET 83225	Ureilite	44.0	D-7	8(1)
EET 83226	Carbonaceous C2	33.1	C-6	8(1)
EET 83227	Eucrite (polymict)	1973.0	E-7	8(1)
EET 83228	Eucrite (polymict)	1206.0	C-6	8(1)
EET 83229	Eucrite (polymict)	312.9	C-6	8(1)
EET 83230	Iron-ataxite (ungr)	530.0	E-6	7(2)
EET 83231	Eucrite (polymict)	66.4	D-7	8(1)
EET 83232	Eucrite (polymict)	211.2	C-6	8(1)
EET 83234	Eucrite (polymict)	180.6	C-6	8(1)
EET 83235	Eucrite (polymict)	254.6	C-6	8(1)
EET 83236	Eucrite	6.4	H-5	8(1)

Listing of meteorites recovered from the Elephant Moraine–Elephant Moraine Icefield  
(1979, 1982, 1983, 1984, 1986, and 1987 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 83237	L-6 chondrite	882.7	D-6	8(1)
EET 83238	L-6 chondrite	382.1	B-6	9(1)
EET 83239	L-6 chondrite	282.3	B-5	9(1)
EET 83240	L-5 chondrite	247.8	G-6	9(2)
EET 83241	L-6 chondrite	203.3	B-4	9(1)
EET 83242	L-5 chondrite	282.1	D-6	9(1)
EET 83243	L-6 chondrite	288.1	C-5	9(1)
EET 83244	L-6 chondrite	384.1	C-7	9(1)
EET 83245	Iron-group IIAB (anomalous)	59.0	C-6	7(2)
EET 83246	Diogenite	48.3	G-6	8(1)
EET 83247	Diogenite	22.5	E-7	8(1)
EET 83248	H-3 chondrite	39.2	G-5	9(1)
EET 83250	Carbonaceous C2	11.5	E-4	8(1)
EET 83251	Eucrite (polymict)	261.4	C-6	8(1)
EET 83252	L-6 chondrite	183.7	G-7	9(1)
EET 83253	L-6 chondrite	44.1	C-5	9(1)
EET 83254	E-4 chondrite	7.7	D-6	10(2)
EET 83255	L-6 chondrite	38.8	C-4	10(2)
EET 83256	H-5 chondrite	5.0	D-8	10(2)
EET 83257	L-6 chondrite	13.6	D-6	10(2)
EET 83258	L-6 chondrite	46.7	D-8	10(2)
EET 83259	L-6 chondrite	4.1	G-5	10(2)
EET 83260	L-3 chondrite	15.4	H-6	9(2)
EET 83261	L-6 chondrite	54.5	L-6	10(2)
EET 83262	H-5 chondrite	23.9	E-8	9(2)
EET 83263	H-6 chondrite	10.2	I-3	10(2)
EET 83264	L-6 chondrite	17.5	C-6	10(2)
EET 83265	L-6 chondrite	54.9	C-7	10(2)
EET 83266	L-6 chondrite	55.9	E-4	10(2)
EET 83267	H-3 chondrite	27.7	F-8	9(2)
EET 83268	L-6 chondrite	19.5	G-5	10(2)
EET 83269	L-5 chondrite	8.5	H-4	9(2)
EET 83270	H-6 chondrite	2.4	F-5	10(2)
EET 83271	L-6 chondrite	67.3	E-5	9(2)
EET 83272	L-6 chondrite	34.5	D-7	10(2)
EET 83273	LL-6 chondrite	146.6	F-5	10(2)
EET 83274	L-3 chondrite	82.7	C-6	9(2)
EET 83275	H-6 chondrite	85.8	C-5	10(2)
EET 83276	L-6 chondrite	48.9	C-6	9(2)
EET 83277	L-5 chondrite	52.7	G-7	10(2)
EET 83278	H-5 chondrite	71.9	C-6	10(2)
EET 83279	L-6 chondrite	35.6	B-6	10(2)
EET 83280	L-6 chondrite	29.1	H-5	10(2)
EET 83281	H-6 chondrite	51.0	C-6	10(2)
EET 83282	H-5 chondrite	78.9	E-7	10(2)
EET 83283	Eucrite (polymict)	57.3	C-6	8(1)
EET 83284	L-6 chondrite	53.3	D-6	10(2)
EET 83285	H-5 chondrite	3.2	C-6	9(1)
EET 83286	L-6 chondrite	33.6	E-7	10(2)
EET 83287	H-5 chondrite	46.0	H-6	10(2)
EET 83288	H-6 chondrite	37.7	E-5	10(2)
EET 83289	L-6 chondrite	7.8	C-6	9(1)
EET 83290	LL-6 chondrite	1.4	B-5	9(1)
EET 83291	L-5 chondrite	4.7	G-7	10(2)
EET 83292	H-5 chondrite	9.3	F-5	9(1)

Listing of meteorites recovered from the Elephant Moraine–Elephant Moraine Icefield  
(1979, 1982, 1983, 1984, 1986, and 1987 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 83293	H-5 chondrite	18.6	D-6	10(2)
EET 83294	L-6 chondrite	82.4	C-5	10(2)
EET 83295	H-6 chondrite	27.9	D-8	9(1)
EET 83296	L-6 chondrite	62.9	E-5	10(2)
EET 83297	L-6 chondrite	17.5	F-4	10(2)
EET 83298	L-6 chondrite	8.9	F-8	10(2)
EET 83299	H-6 chondrite	6.3	E-6	10(2)
EET 83300	H-5 chondrite	115.1	C-6	10(1)
EET 83301	L-6 chondrite	87.0	D-7	10(2)
EET 83302	L-6 chondrite	130.4	C-6	10(2)
EET 83303	H-5 chondrite	11.8	D-8	9(1)
EET 83304	L-6 chondrite	37.3	D-5	10(2)
EET 83305	H-5 chondrite	167.0	C-6	9(1)
EET 83306	L-6 chondrite	41.8	E-8	10(2)
EET 83307	E-4 chondrite	4.8	B-5	9(1)
EET 83308	L-5 chondrite	136.9	E-7	9(1)
EET 83309	Ureilite	60.8	F-5	9(1)
EET 83310	H-6 chondrite	64.2	C-6	10(2)
EET 83311	Carbonaceous C4	15.3	B-5	10(2)
EET 83312	L-6 chondrite	93.0	E-7	9(1)
EET 83314	L-6 chondrite	23.7	F-5	10(2)
EET 83315	L-6 chondrite	113.5	H-6	10(2)
EET 83316	L-6 chondrite	51.1	H-6	10(2)
EET 83317	L-6 chondrite	119.0	D-6	10(1)
EET 83318	L-4 chondrite	54.9	H-4	9(1)
EET 83319	L-6 chondrite	7.2	E-5	10(2)
EET 83320	H-6 chondrite	56.3	D-6	10(2)
EET 83321	H-6 chondrite	11.0	H-5	10(2)
EET 83322	E-4 chondrite	14.3	D-6	9(1)
EET 83323	L-6 chondrite	140.5	E-4	10(1)
EET 83324	H-5 chondrite	142.8	C-7	9(1)
EET 83325	L-6 chondrite	93.4	H-5	10(2)
EET 83326	H-5 chondrite	112.6	C-5	10(1)
EET 83328	L-6 chondrite	88.1	D-7	10(2)
EET 83329	L-4 chondrite	67.7	G-7	9(1)
EET 83330	L-6 chondrite	49.2	C-7	10(2)
EET 83331	H-5 chondrite	0.3	C-6	10(2)
EET 83333	Iron-group IAB	188.6	E-7	9(1)
EET 83334	Carbonaceous C2	2.5	E-7	10(2)
EET 83335	L-6 chondrite	226.9	G-5	9(1)
EET 83336	L-6 chondrite	130.0	H-5	10(2)
EET 83338	H-5 chondrite	26.6	H-5	10(2)
EET 83339	L-6 chondrite	72.7	H-5	10(2)
EET 83340	L-5 chondrite	15.2	B-5	10(2)
EET 83341	LL-6 chondrite	65.0	D-8	10(2)
EET 83342	L-6 chondrite	148.6	?	10(1)
EET 83343	L-6 chondrite	125.1	E-5	10(1)
EET 83344	L-6 chondrite	87.1	H-6	10(2)
EET 83345	L-6 chondrite	11.8	H-6	10(2)
EET 83346	H-5 chondrite	21.5	D-8	10(2)
EET 83347	H-5 chondrite	37.2	C-6	10(2)
EET 83348	L-6 chondrite	299.2	C-5	9(1)
EET 83349	H-5 chondrite	27.5	D-7	10(2)
EET 83350	L-6 chondrite	88.7	E-4	10(2)
EET 83351	H-5 chondrite	80.8	F-8	10(2)

Listing of meteorites recovered from the Elephant Moraine–Elephant Moraine Icefield  
(1979, 1982, 1983, 1984, 1986, and 1987 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 83352	LL-6 chondrite	20.4	D-6	10(2)
EET 83353	L-6 chondrite	53.8	E-4	10(2)
EET 83354	L-6 chondrite	8.4	H-5	10(2)
EET 83355	Carbonaceous C2	66.2	C-7	10(2)
EET 83356	L-6 chondrite	18.2	D-6	10(2)
EET 83357	LL-6 chondrite	35.4	B-5	10(2)
EET 83358	L-6 chondrite	25.7	E-7	10(2)
EET 83359	LL-6 chondrite	66.2	H-5	10(2)
EET 83360	H-6 chondrite	40.1	G-7	10(2)
EET 83361	LL-5 chondrite	5.8	C-5	10(2)
EET 83362	H-6 chondrite	10.1	H-5	10(2)
EET 83363	L-6 chondrite	184.7	H-6	9(3)
EET 83364	L-6 chondrite	204.9	E-4	9(3)
EET 83365	L-6 chondrite	157.6	F-7	10(2)
EET 83366	L-6 chondrite	188.5	G-5	10(2)
EET 83367	H-6 chondrite	107.4	C-5	10(2)
EET 83368	L-6 chondrite	50.9	A-4	10(2)
EET 83369	H-5 chondrite	38.9	E-7	10(2)
EET 83370	L-6 chondrite	24.1	B-5	10(2)
EET 83371	L-6 chondrite	169.9	C-5	10(2)
EET 83372	H-5 chondrite	168.9	B-4	10(2)
EET 83373	H-6 chondrite	158.9	G-7	10(2)
EET 83374	H-6 chondrite	95.8	E-7	10(2)
EET 83375	L-6 chondrite	266.6	D-5	10(2)
EET 83376	Howardite	79.3	C-6	9(2)
EET 83377	H-5 chondrite	151.7	C-5	10(2)
EET 83378	L-6 chondrite	212.3	H-6	10(2)
EET 83379	L-6 chondrite	177.4	B-5	10(2)
EET 83380	LL-6 chondrite	118.5	D-4	10(2)
EET 83382	H-6 chondrite	11.6	D-6	10(2)
EET 83383	L-6 chondrite	116.8	H-5	10(2)
EET 83384	L-6 chondrite	21.7	A-4	10(2)
EET 83385	H-6 chondrite	3.9	B-5	10(2)
EET 83386	L-5 chondrite	37.8	D-4	10(2)
EET 83387	L-6 chondrite	80.9	H-5	10(2)
EET 83388	H-5 chondrite	34.7	G-5	10(2)
EET 83389	Carbonaceous C2	19.2	E-6	10(2)
EET 83390	Iron-group IIE (anomalous)	15.2	H-5	9(1)
EET 83391	LL-6 chondrite	90.7	D-7	10(2)
EET 83392	L-6 chondrite	163.8	G-4	10(2)
EET 83393	H-6 chondrite	30.0	D-6	10(2)
EET 83394	H-6 chondrite	54.3	H-6	10(2)
EET 83395	L-3 chondrite	65.3	D-6	10(2)
EET 83396	L-6 chondrite	198.3	E-5	10(2)
EET 83397	H-6 chondrite	32.1	C-6	10(2)
EET 83398	L-5 chondrite	67.2	?	10(2)
EET 83399	L-3 chondrite	203.3	G-7	9(1)
EET 83400	H-5 chondrite	112.9	H-5	10(2)
EET 83401	LL-6 chondrite	111.7	F-5	10(2)
EET 83402	H-5 chondrite	50.3	H-6	10(2)
EET 83403	H-5 chondrite	11.7	E-7	10(2)
EET 84300	Iron IAB-with silica inclusion	72.2	G-7	9(1)
EET 84301	L-6 chondrite	75.1	C-5	9(3)
EET 84302	Achondrite (unique)	59.6	B-4	9(3)
EET 84303	H-5 chondrite	57.5	F-5	9(3)

Listing of meteorites recovered from the Elephant Moraine–Elephant Moraine Icefield  
(1979, 1982, 1983, 1984, 1986, and 1987 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 84304	L-6 chondrite	152.2	F-5	9(3)
EET 84305	LL-6 chondrite	9.8	F-4	9(3)
EET 84306	H-6 chondrite	3.5	C-6	9(3)
EET 84307	L-6 chondrite	5.1	C-6	9(3)
EET 84308	L-6 chondrite	9.3	E-4	9(3)
EET 86800	L-6 chondrite	116.0	H-6	11(1)
EET 86801	L-6 chondrite	82.9	H-6	11(1)
EET 86802	H-4 chondrite	29.6	H-6	11(1)
EET 87509	Howardite	583.9	C-6	11(2)
EET 87510	Howardite	250.3	C-6	11(2)
EET 87518	Howardite	349.6	C-6	11(2)
EET 87531	Howardite	527.2	C-6	11(2)
EET 87532	Eucrite	193.5	C-6	11(2)
EET 87537	H-5 chondrite	3702.0	B-4	12(1)
EET 87540	L-6 chondrite	1172.4	C-5	11(2)
EET 87548	Eucrite	560.2	B-5	12(1)
EET 87558	L-5 chondrite	306.4	D-3	12(1)
EET 87561	L-6 chondrite	304.6	C-4	12(1)
EET 87565	H-6 chondrite	343.7	A-1	12(1)
EET 87570,5	L-5 chondrite	202.9	D-3	12(3)
EET 87570,6	L-5 chondrite	104.8	C-3	12(3)
EET 87576	H-5 chondrite	327.5	C-4	12(1)
EET 87593	L-6 chondrite	40.2	C-5	12(3)
EET 87598	L-6 chondrite	22.3	C-4	12(3)
EET 87604	L-5 chondrite	63.6	C-4	12(3)
EET 87606	L-5 chondrite	7.5	C-5	12(3)
EET 87617	L-6 chondrite	4.1	C-4	12(3)
EET 87627	L-6 chondrite	93.2	C-4	12(3)
EET 87664	H-6 chondrite	48.2	C-6	12(3)
EET 87728	L-6 chondrite	3.4	D-5	12(3)
EET 87730,2	L-6 chondrite	33.9	C-4	12(3)
EET 87730,3	L-6 chondrite	36.5	C-4	12(3)
EET 87740	H-5 chondrite	39.0	A-2	12(3)
EET 87742	L-6 chondrite	19.6	C-5	12(3)
EET 87765	L-6 chondrite	41.4	C-4	12(3)
EET 87768	L-6 chondrite	58.6	F-8	12(3)
EET 87771	LL-5 chondrite	56.6	C-4	12(3)
EET 87774	L-5 chondrite	65.6	A-4	12(3)
EET 87792	H-6 chondrite	36.4	A-3	12(3)
EET 87794	L-6 chondrite	77.0	A-1	12(3)
EET 87806	LL-5 chondrite	79.4	C-4	12(3)
EET 87838	H-5 chondrite	13.3	B-4	12(3)
EET 87840	H-5 chondrite	81.7	B-6	12(3)

<sup>?</sup>No meteorite position was determined or location information was recorded. See text.



## ELEPHANT MORAINÉ-TEXAS BOWL ICEFIELD

The Texas Bowl Icefield area of the Elephant Moraine Icefield complex has proved to be one of the densest concentrations yet discovered, with 1212 specimens recovered from a restricted 15-km<sup>2</sup> area. This local bare ice patch lies 26 km west-northwest of Elephant Moraine and is a continuation of the Reckling Moraine– Elephant Moraine ice escarpment feature (Fig. 2). Figure 16 shows the main portion of the Elephant Moraine Icefield complex and the part of that area covered by the Texas Bowl Icefield Meteorite Location Map. Figure 19 shows a slope profile across the Texas Bowl Icefield.

Meteorites were first found in the Texas Bowl Icefield area during reconnaissance and systematic searches in the 1987–1988 field season (Huss *et al.*, 1988). A total of 185 specimens was recovered. During the 1990– 1991 season the entire bare ice area covered by the Elephant Moraine–Texas Bowl Icefield Meteorite Location Map was systematically searched, yielding 1027 meteorite specimens. Only two meteorites from this collection, EET 90488 and EET 90350, fall outside the Texas Bowl map area; Fig. 16 indicates the locations of these two specimens.

The Elephant Moraine–Texas Bowl Meteorite Location Map is plotted in the UTM (zone 57) projection at a scale of 1:5000. Figure 20 is a reduced version of the Elephant Moraine–Texas Bowl Icefield. The meteorites have been given a grid cell address based upon the UTM grid. The UTM grid cells are spaced 500 m apart. All meteorite positions within the map area were determined using conventional surveying methods. A Magnavox MX-1502 TRANSIT satellite surveying instrument was used to determine the position of two baseline survey stations by translocation from an established survey point occupied by another field project in the region.

As can be seen from the meteorite listing and Table 7, a high percentage of meteorite samples from Texas Bowl are L-6 chondrites. This is may be an example of a meteorite shower that has been reconcentrated by glacial motion. Since it was apparent that many of these were paired, a number of samples were arbitrarily paired at JSC without regard to their spatial distribution. As a result, the name EET 90053 has been assigned to a number of specimens that are spread over a wide area of the icefield. EET

90053,0 is the farthest north and most downwind of the chosen fragments. This is significantly different from all other situations where multiple specimens are paired and given the same name.

TABLE 7. Tabulation of meteorite types recovered from the Elephant Moraine–Texas Bowl Icefield (1987 and 1990 collections).

Number of Specimens	Classification
1	Aubrite
4	Carbonaceous C2
1	Carbonaceous C30
46	Carbonaceous C4
1	Carbonaceous C5
1	E-3 chondrite
1	E-6 chondrite
3	Eucrite
1	H-4 chondrite
36	H-5 chondrite
28	H-6 chondrite
3	Howardite
4	L-4 chondrite
10	L-3 chondrite
14	L-5 chondrite
850	L-6 chondrite
6	LL-6 chondrite
1	Ureilite
201	Unclassified
1212	Total

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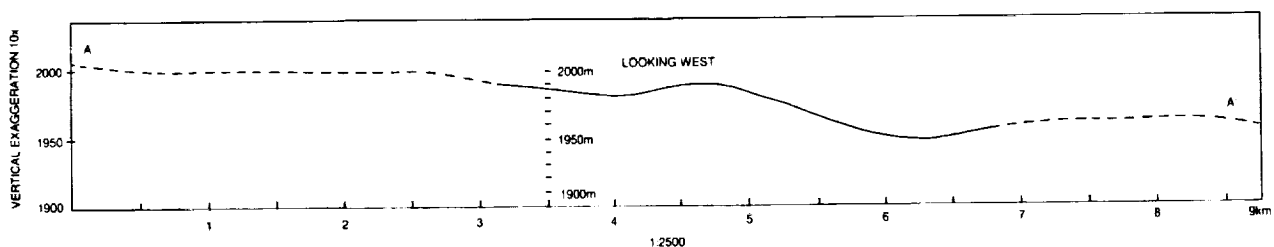


Fig. 19. Slope profile of the Texas Bowl Icefield area.

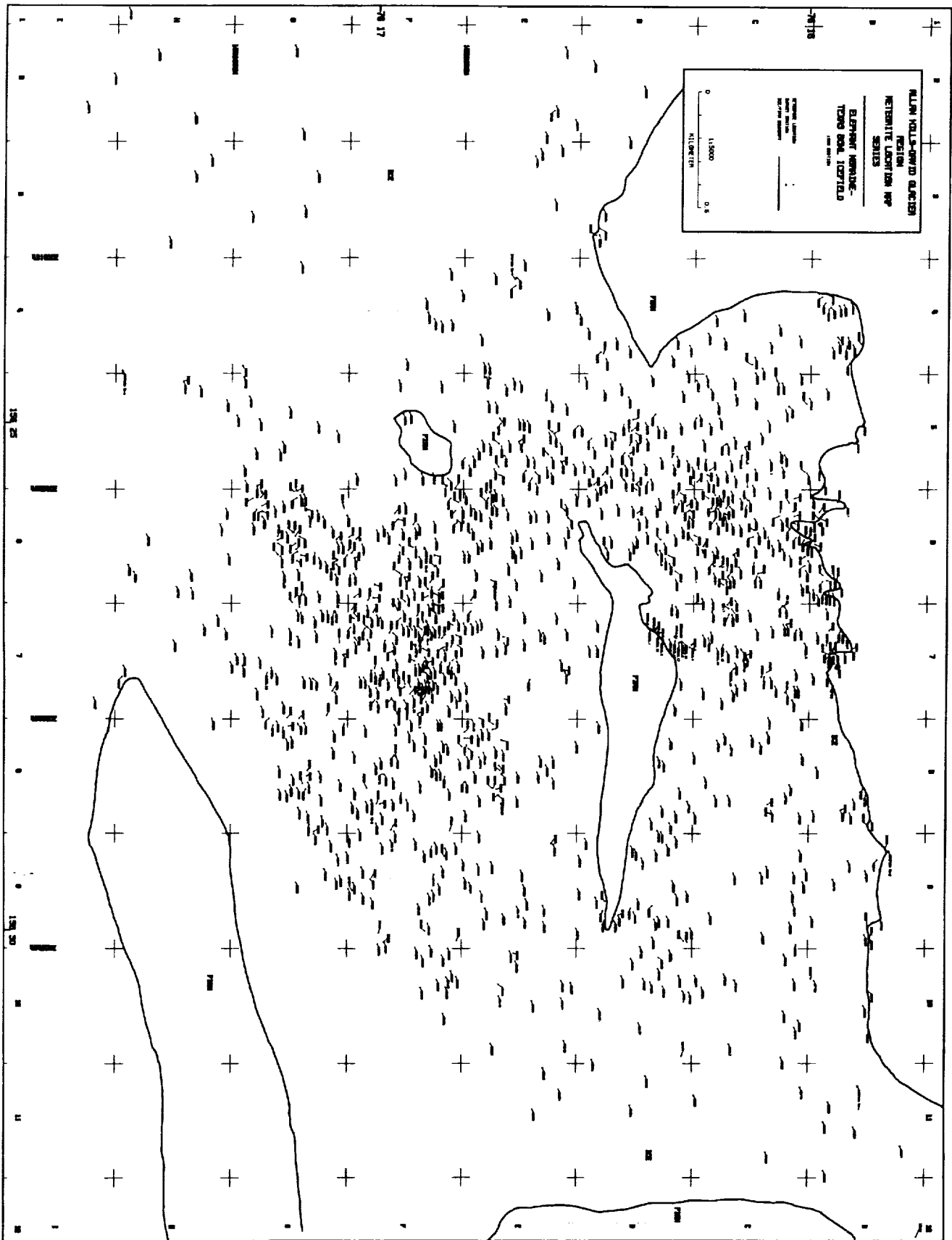


Fig. 20. Reduced example of the Elephant Moraine-Texas Bowl Icefield Meteorite Location Map.

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 87502	L-6 chondrite	1810.1	F-9	12(1)
EET 87503	Howardite	1734.5	D-9	11(2)
EET 87507	Carbonaceous C4	36.2	E-7	11(2)
EET 87508	Carbonaceous C4	13.4	F-7	11(2)
EET 87513	Howardite	394.5	D-7	11(2)
EET 87514	Carbonaceous C4	33.6	B-8	11(2)
EET 87519	Carbonaceous C4	23.2	F-6	11(2)
EET 87522	Carbonaceous C2	68.6	B-10	11(2)
EET 87525	Carbonaceous C4	10.3	F-7	11(2)
EET 87526	Carbonaceous C4	88.2	H-7	11(2)
EET 87527	Carbonaceous C4	5.8	D-9	11(2)
EET 87528	Howardite	40.5	D-8	11(2)
EET 87529	Carbonaceous C4	35.7	F-7	11(2)
EET 87535	L-6 chondrite	1230.8	D-2	11(2)
EET 87554	L-6 chondrite	1293.5	C-10	12(1)
EET 87556	L-6 chondrite	362.6	B-8	12(1)
EET 87559	L-6 chondrite	584.2	B-8	12(1)
EET 87568	L-6 chondrite	305.7	D-10	12(1)
EET 87569	L-6 chondrite	211.3	D-9	12(3)
EET 87573	L-4 chondrite	272.3	C-10	12(1)
EET 87577	H-5 chondrite	147.9	B-9	12(3)
EET 87580	L-6 chondrite	286.5	C-10	12(1)
EET 87586	L-6 chondrite	215.5	B-7	12(3)
EET 87587	L-6 chondrite	102.6	D-9	12(3)
EET 87588	L-6 chondrite	28.5	D-10	12(3)
EET 87589	L-6 chondrite	98.4	D-8	12(3)
EET 87590	L-6 chondrite	69.0	C-8	12(3)
EET 87594	L-6 chondrite	79.1	F-8	12(3)
EET 87596	L-6 chondrite	90.0	D-9	12(3)
EET 87599	L-6 chondrite	15.9	C-7	12(3)
EET 87600	L-6 chondrite	11.7	C-9	12(3)
EET 87601	L-6 chondrite	50.1	B-8	12(3)
EET 87603	L-6 chondrite	169.8	C-7	12(3)
EET 87605	L-6 chondrite	45.1	C-8	12(3)
EET 87607	L-6 chondrite	109.0	C-8	12(3)
EET 87608	H-6 chondrite	39.4	C-7	12(3)
EET 87609	H-5 chondrite	19.6	C-7	12(3)
EET 87610	L-6 chondrite	23.4	C-10	12(3)
EET 87611	L-6 chondrite	21.2	D-10	12(3)
EET 87612	L-6 chondrite	23.6	C-7	12(3)
EET 87613	L-6 chondrite	77.0	F-8	12(3)
EET 87614	L-6 chondrite	16.4	E-7	12(3)
EET 87616	L-6 chondrite	91.3	E-9	12(3)
EET 87619	L-6 chondrite	9.1	D-9	12(3)
EET 87620	L-6 chondrite	2.1	F-7	12(3)
EET 87621	L-6 chondrite	13.5	C-7	12(3)
EET 87622	L-6 chondrite	106.8	D-9	12(3)
EET 87623	L-6 chondrite	81.3	E-7	12(3)
EET 87624	L-6 chondrite	17.2	C-8	12(3)
EET 87626	L-6 chondrite	71.9	E-9	12(3)
EET 87628	L-6 chondrite	11.7	E-7	12(3)
EET 87629	L-6 chondrite	0.5	D-7	12(3)
EET 87630	L-6 chondrite	16.8	E-9	12(3)
EET 87631	L-6 chondrite	42.8	F-9	12(3)
EET 87632	L-6 chondrite	8.2	D-9	12(3)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 87633	L-6 chondrite	27.9	E-7	12(3)
EET 87634	L-6 chondrite	14.1	C-8	12(3)
EET 87635	L-6 chondrite	162.3	E-9	12(3)
EET 87636	H-5 chondrite	17.4	C-7	12(3)
EET 87637	L-6 chondrite	17.2	F-6	12(3)
EET 87638	L-6 chondrite	7.7	E-7	12(3)
EET 87639	L-6 chondrite	53.4	E-6	12(3)
EET 87640	L-6 chondrite	13.8	E-6	12(3)
EET 87641	L-6 chondrite	18.5	F-6	12(3)
EET 87642	L-6 chondrite	25.8	F-6	12(3)
EET 87644	L-6 chondrite	127.3	C-7	12(3)
EET 87645	L-6 chondrite	3.8	F-6	12(3)
EET 87646	L-6 chondrite	57.2	E-6	12(3)
EET 87647	L-6 chondrite	51.1	E-6	12(3)
EET 87648	L-6 chondrite	7.0	C-7	12(3)
EET 87649	L-6 chondrite	27.0	C-7	12(3)
EET 87650	L-6 chondrite	23.2	E-6	12(3)
EET 87651	L-6 chondrite	45.7	F-6	12(3)
EET 87652	L-6 chondrite	72.1	F-6	12(3)
EET 87653	L-6 chondrite	24.5	F-6	12(3)
EET 87654	H-6 chondrite	5.2	C-7	12(3)
EET 87656	L-6 chondrite	35.3	F-6	12(3)
EET 87657	L-6 chondrite	64.8	D-7	12(3)
EET 87658	H-6 chondrite	8.4	C-7	12(3)
EET 87659	L-6 chondrite	4.3	C-8	12(3)
EET 87660	L-6 chondrite	144.9	D-7	12(3)
EET 87666	H-4 chondrite	4.2	F-6	12(3)
EET 87667	L-6 chondrite	9.0	D-7	12(3)
EET 87668	L-6 chondrite	70.3	E-7	12(3)
EET 87669	L-6 chondrite	25.9	F-6	12(3)
EET 87670	L-6 chondrite	17.8	F-6	12(3)
EET 87672	H-6 chondrite	126.3	B-8	12(3)
EET 87673	L-6 chondrite	3.8	F-6	12(3)
EET 87674	H-5 chondrite	3.9	C-7	12(3)
EET 87676	L-6 chondrite	67.5	C-7	12(3)
EET 87678	L-6 chondrite	55.8	F-6	12(3)
EET 87680	L-6 chondrite	48.1	F-6	12(3)
EET 87684	L-6 chondrite	27.9	F-6	12(3)
EET 87686	L-6 chondrite	23.4	F-6	12(3)
EET 87688	L-6 chondrite	59.1	F-6	12(3)
EET 87690	L-6 chondrite	54.0	F-6	12(3)
EET 87691	L-6 chondrite	39.2	E-6	12(3)
EET 87693	H-6 chondrite	11.3	C-7	12(3)
EET 87694	L-6 chondrite	23.4	F-6	12(3)
EET 87696	L-6 chondrite	10.7	F-6	12(3)
EET 87698	L-6 chondrite	9.0	F-6	12(3)
EET 87700	L-6 chondrite	43.6	D-9	12(3)
EET 87702	L-6 chondrite	43.7	F-7	12(3)
EET 87704	L-6 chondrite	26.8	E-7	12(3)
EET 87705	L-6 chondrite	2.3	B-8	12(3)
EET 87706	L-6 chondrite	16.8	D-10	12(3)
EET 87708	L-6 chondrite	32.2	C-8	12(3)
EET 87710	L-6 chondrite	14.4	F-7	12(3)
EET 87714	L-6 chondrite	4.8	C-8	12(3)
EET 87715	L-6 chondrite	21.4	F-6	12(3)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 87719	H-6 chondrite	65.7	B-9	12(3)
EET 87721	L-6 chondrite	13.9	F-7	12(3)
EET 87723	L-6 chondrite	27.9	F-7	12(3)
EET 87724	L-6 chondrite	115.0	C-8	12(3)
EET 87725	L-6 chondrite	12.5	C-8	12(3)
EET 87727	L-6 chondrite	28.5	F-7	12(3)
EET 87731	H-5 chondrite	8.3	C-7	12(3)
EET 87733	L-6 chondrite	26.9	E-7	12(3)
EET 87735	L-3 chondrite	4.2	D-8	12(3)
EET 87736	L-6 chondrite	3.3	D-8	12(3)
EET 87737	L-6 chondrite	24.9	F-7	12(3)
EET 87738	L-6 chondrite	3.0	C-8	12(3)
EET 87739	H-6 chondrite	8.4	F-7	12(3)
EET 87741	L-6 chondrite	39.0	E-7	12(3)
EET 87743	H-5 chondrite	53.6	F-7	12(3)
EET 87748	L-6 chondrite	3.9	F-7	12(3)
EET 87749	LL-6 chondrite	4.0	B-9	12(3)
EET 87750	L-6 chondrite	23.1	F-7	12(3)
EET 87752	L-6 chondrite	9.2	B-10	12(3)
EET 87753	L-6 chondrite	7.8	F-7	12(3)
EET 87754	H-5 chondrite	34.4	D-9	12(3)
EET 87756	L-6 chondrite	170.5	D-9	12(3)
EET 87760	L-6 chondrite	19.4	F-7	12(3)
EET 87761	L-6 chondrite	12.5	F-7	12(3)
EET 87763	L-6 chondrite	26.5	F-7	12(3)
EET 87764	L-6 chondrite	38.7	F-7	12(3)
EET 87766	L-6 chondrite	18.9	F-7	12(3)
EET 87769	L-6 chondrite	13.9	F-7	12(3)
EET 87775	L-6 chondrite	16.8	F-7	12(3)
EET 87776	L-6 chondrite	29.9	B-7	12(3)
EET 87779	L-6 chondrite	21.6	F-7	12(3)
EET 87780	L-6 chondrite	18.4	F-7	12(3)
EET 87783	L-6 chondrite	5.3	F-7	12(3)
EET 87784	L-6 chondrite	15.1	F-7	12(3)
EET 87788	L-6 chondrite	83.8	D-10	12(3)
EET 87789	L-6 chondrite	45.9	F-7	12(3)
EET 87791	L-6 chondrite	5.5	F-7	12(3)
EET 87795	L-6 chondrite	5.8	F-7	12(3)
EET 87796	L-6 chondrite	12.5	F-7	12(3)
EET 87797	L-6 chondrite	2.2	F-6	12(3)
EET 87798	H-5 chondrite	35.7	C-7	12(3)
EET 87799	L-6 chondrite	12.4	F-7	12(3)
EET 87800	L-6 chondrite	20.3	F-7	12(3)
EET 87801	L-5 chondrite	6.8	F-7	12(3)
EET 87802	L-6 chondrite	1.3	F-7	12(3)
EET 87803	L-6 chondrite	9.0	C-8	12(3)
EET 87804	L-6 chondrite	40.2	E-7	12(3)
EET 87809	L-6 chondrite	33.4	F-6	12(3)
EET 87810	L-6 chondrite	12.9	F-7	12(3)
EET 87811	L-6 chondrite	18.1	C-8	12(3)
EET 87814	L-6 chondrite	13.5	F-7	12(3)
EET 87815	H-6 chondrite	24.2	F-7	12(3)
EET 87817	L-6 chondrite	61.8	C-7	12(3)
EET 87819	L-6 chondrite	25.9	F-7	12(3)
EET 87820	H-6 chondrite	221.4	C-8	12(3)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 87826	L-6 chondrite	24.5	F-7	12(3)
EET 87828	L-6 chondrite	14.8	F-7	12(3)
EET 87829	L-6 chondrite	116.2	F-7	12(3)
EET 87830	L-6 chondrite	70.8	F-7	12(3)
EET 87831	L-6 chondrite	16.7	F-6	12(3)
EET 87832	H-5 chondrite	12.6	B-8	12(3)
EET 87833	L-6 chondrite	5.7	F-6	12(3)
EET 87835	L-6 chondrite	1.7	F-7	12(3)
EET 87836	L-6 chondrite	13.2	F-7	12(3)
EET 87839	L-6 chondrite	12.1	F-6	12(3)
EET 87841	L-6 chondrite	18.6	F-6	12(3)
EET 87842	L-6 chondrite	29.8	C-10	12(3)
EET 87845	L-6 chondrite	15.1	F-7	12(3)
EET 87849	L-6 chondrite	12.7	F-7	12(3)
EET 87854	L-6 chondrite	3.8	F-7	12(3)
EET 87855	L-6 chondrite	29.0	F-7	12(3)
EET 87856	L-6 chondrite	4.3	C-10	12(3)
EET 87857	L-6 chondrite	22.6	F-7	12(3)
EET 87858	L-6 chondrite	31.9	E-7	12(3)
EET 87860	Carbonaceous C5	32.8	F-9	11(2)
EET 90001	Carbonaceous C4	53.2	H-6	15(1)
EET 90002	Carbonaceous C4	28.0	E-4	15(1)
EET 90003	Carbonaceous C4	30.8	H-5	15(1)
EET 90004	Carbonaceous C4	56.7	G-7	14(2)
EET 90005	Carbonaceous C4	42.3	C-6	15(1)
EET 90006	Carbonaceous C4	23.9	F-6	15(1)
EET 90007	Carbonaceous C4	131.0	G-2	14(2)
EET 90008	Carbonaceous C4	40.0	E-4	15(1)
EET 90009	Carbonaceous C4	30.1	F-4	15(1)
EET 90010	Carbonaceous C4	10.0	F-6	15(1)
EET 90011	H-6 chondrite	305.1	D-4	15(2)
EET 90012	L-4 chondrite	226.1	C-8	14(2)
EET 90013	Carbonaceous C4	36.3	E-5	15(1)
EET 90014	Carbonaceous C4	20.8	G-6	15(1)
EET 90015	Carbonaceous C4	86.8	H-5	14(2)
EET 90016	Carbonaceous C4	45.1	H-6	15(1)
EET 90017	Carbonaceous C4	15.6	C-5	15(1)
EET 90018	Carbonaceous C4	31.4	G-7	14(2)
EET 90019	Ureilite	21.5	F-4	15(1)
EET 90020	Eucrite	154.0	C-4	14(2)
EET 90021	Carbonaceous C2	19.6	C-7	15(1)
EET 90022	Carbonaceous C4	15.5	G-7	14(2)
EET 90023	Carbonaceous C4	31.5	D-4	15(1)
EET 90024	Eucrite	22.8	G-8	14(2)
EET 90025	Carbonaceous C4	45.8	F-4	15(1)
EET 90026	Carbonaceous C4	61.5	H-7	15(1)
EET 90027	Carbonaceous C4	6.2	C-5	15(1)
EET 90028	Carbonaceous C4	31.3	E-8	15(1)
EET 90029	Eucrite	7.9	D-2	14(2)
EET 90030	L-6 chondrite	75.3	D-5	14(2)
EET 90031	LL-6 chondrite	55.8	E-5	14(2)
EET 90032	LL-6 chondrite	30.0	E-5	14(2)
EET 90033	Aubrite	3.9	G-6	14(2)
EET 90034	L-6 chondrite	1413.6	F-4	14(2)
EET 90035	Carbonaceous C4	1.3	B-9	15(1)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90036	Carbonaceous C4	21.2	E-5	15(1)
EET 90037	L-6 chondrite	6.0	H-6	15(1)
EET 90038	Carbonaceous C4	5.5	D-9	15(1)
EET 90039	Carbonaceous C4	5.8	E-10	15(1)
EET 90040	Carbonaceous C4	13.1	D-8	15(1)
EET 90041	Carbonaceous C4	2.2	G-6	15(1)
EET 90042	Carbonaceous C4	14.2	E-8	15(1)
EET 90043	Carbonaceous C2	12.5	C-5	15(1)
EET 90044	Carbonaceous C4	11.5	C-6	15(1)
EET 90045	Carbonaceous C4	6.6	D-9	15(1)
EET 90046	Carbonaceous C4	5.3	B-10	15(1)
EET 90047	Carbonaceous C2	1.2	B-9	15(1)
EET 90048	Carbonaceous C4	12.4	G-7	15(1)
EET 90049	Carbonaceous C4	18.0	F-4	15(1)
EET 90050	Carbonaceous C4	4.1	B-8	15(1)
EET 90051,0	H-6 chondrite	487.7	E-4	15(2)
EET 90051,5	H-6 chondrite	227.7	E-4	15(2)
EET 90052	Carbonaceous C4	10.7	E-5	15(1)
EET 90053,0	L-6 chondrite	154.0	C-7	15(2)
EET 90053,5	L-6 chondrite	22.2	F-7	15(2)
EET 90053,8	L-6 chondrite	40.4	F-7	15(2)
EET 90053,11	L-6 chondrite	40.3	G-6	15(2)
EET 90053,14	L-6 chondrite	13.2	F-6	15(2)
EET 90053,17	L-6 chondrite	4.7	G-5	15(2)
EET 90053,20	L-6 chondrite	7.5	G-6	15(2)
EET 90053,23	L-6 chondrite	30.4	F-7	15(2)
EET 90053,26	L-6 chondrite	2.2	G-7	15(2)
EET 90053,29	L-6 chondrite	53.4	F-7	15(2)
EET 90053,34	L-6 chondrite	14.4	G-7	15(2)
EET 90053,38	L-6 chondrite	39.4	F-6	15(2)
EET 90053,42	L-6 chondrite	4.0	G-6	15(2)
EET 90053,45	L-6 chondrite	3.4	G-7	15(2)
EET 90054	L-6 chondrite	311.5	H-2	15(2)
EET 90055	L-6 chondrite	38.9	D-8	15(2)
EET 90056	L-6 chondrite	89.2	C-7	15(2)
EET 90057	L-6 chondrite	22.1	F-8	15(2)
EET 90058	L-6 chondrite	16.9	F-10	15(2)
EET 90059	L-6 chondrite	83.9	E-6	15(2)
EET 90060	L-6 chondrite	5.3	E-5	15(2)
EET 90061	L-6 chondrite	10.1	B-6	15(2)
EET 90062	L-6 chondrite	43.4	E-5	15(2)
EET 90063	L-6 chondrite	44.3	E-5	15(2)
EET 90064	L-6 chondrite	35.5	E-7	15(2)
EET 90065	L-6 chondrite	17.2	F-5	15(2)
EET 90066	L-3 chondrite	9.8	E-7	15(2)
EET 90067	L-6 chondrite	37.3	E-5	15(2)
EET 90068	L-6 chondrite	5.5	B-6	15(2)
EET 90069	H-5 chondrite	21.1	C-7	15(2)
EET 90070	L-6 chondrite	106.5	C-7	15(2)
EET 90071	L-6 chondrite	103.4	H-7	15(2)
EET 90073	L-6 chondrite	60.7	G-4	15(2)
EET 90074	L-6 chondrite	26.6	G-8	15(2)
EET 90075	L-6 chondrite	18.3	F-5	15(2)
EET 90076	L-6 chondrite	150.5	E-8	15(2)
EET 90077	L-6 chondrite	65.3	B-7	15(2)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90078	L-6 chondrite	22.9	B-7	15(2)
EET 90079	L-6 chondrite	40.8	E-6	15(2)
EET 90080	L-3 chondrite	4.1	C-11	15(2)
EET 90081	L-6 chondrite	39.1	E-9	15(2)
EET 90082	L-6 chondrite	28.6	E-6	15(2)
EET 90083	L-3 chondrite	3.6	G-6	15(2)
EET 90084	L-6 chondrite	25.4	F-5	15(2)
EET 90085	L-6 chondrite	2.4	G-5	15(2)
EET 90086	L-6 chondrite	30.5	F-7	15(2)
EET 90087	L-6 chondrite	22.7	E-7	15(2)
EET 90088	L-6 chondrite	17.2	C-7	15(2)
EET 90089	L-6 chondrite	32.7	E-6	15(2)
EET 90090	L-6 chondrite	16.7	E-8	15(2)
EET 90091	L-6 chondrite	3.9	G-7	15(2)
EET 90092	L-6 chondrite	9.0	E-6	15(2)
EET 90093	L-6 chondrite	5.8	G-5	15(2)
EET 90094	L-6 chondrite	8.9	C-8	15(2)
EET 90095	L-6 chondrite	6.5	C-6	15(2)
EET 90096	L-6 chondrite	11.9	D-8	15(2)
EET 90097	H-6 chondrite	18.6	G-5	15(2)
EET 90098	L-3 chondrite	4.7	C-6	15(2)
EET 90099	L-6 chondrite	11.7	C-6	15(2)
EET 90100	L-5 chondrite	12.8	E-8	15(2)
EET 90101	L-6 chondrite	12.8	E-8	15(2)
EET 90102	E-6 chondrite	17.0	E-8	15(2)
EET 90103	L-6 chondrite	6.2	G-5	15(2)
EET 90104	H-5 chondrite	1.3	F-5	15(2)
EET 90105	L-6 chondrite	8.5	E-7	15(2)
EET 90106	H-5 chondrite	3.0	E-7	15(2)
EET 90107	L-6 chondrite	1.0	F-5	15(2)
EET 90108	L-6 chondrite	15.4	C-7	15(2)
EET 90109	L-6 chondrite	33.5	E-5	15(2)
EET 90110	L-6 chondrite	74.0	D-6	15(2)
EET 90111	L-6 chondrite	74.4	C-6	15(2)
EET 90112	L-6 chondrite	20.0	C-7	15(2)
EET 90113	L-6 chondrite	78.2	E-6	15(2)
EET 90114	L-6 chondrite	65.4	E-5	15(2)
EET 90115	L-6 chondrite	238.4	C-7	15(2)
EET 90116	L-6 chondrite	66.4	E-6	15(2)
EET 90117	L-6 chondrite	26.1	C-7	15(2)
EET 90118	L-6 chondrite	64.6	E-8	15(2)
EET 90119	L-6 chondrite	47.1	E-5	15(2)
EET 90120	L-6 chondrite	35.3	E-5	15(2)
EET 90121	L-6 chondrite	232.2	E-8	15(2)
EET 90122	L-6 chondrite	13.0	B-7	15(2)
EET 90123	L-6 chondrite	39.2	E-5	15(2)
EET 90124	L-6 chondrite	33.2	C-7	15(2)
EET 90125	L-6 chondrite	90.2	F-5	15(2)
EET 90126	L-6 chondrite	5.5	E-6	15(2)
EET 90127	L-6 chondrite	14.6	E-5	15(2)
EET 90128	L-6 chondrite	50.1	C-6	15(2)
EET 90129	L-6 chondrite	50.0	E-5	15(2)
EET 90130	L-6 chondrite	21.8	E-8	15(2)
EET 90131	L-6 chondrite	26.9	G-7	15(2)
EET 90132	L-6 chondrite	20.6	E-5	15(2)



Listing of meteorites recovered from the Elephant Moraine–Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90133	L-6 chondrite	52.4	D-6	15(2)
EET 90134	L-6 chondrite	21.9	C-7	15(2)
EET 90135	L-6 chondrite	15.5	C-7	15(2)
EET 90136	L-6 chondrite	37.9	F-5	15(2)
EET 90137	L-6 chondrite	29.1	C-6	15(2)
EET 90138	L-6 chondrite	74.8	D-7	15(2)
EET 90139	L-6 chondrite	13.9	E-8	15(2)
EET 90140	L-6 chondrite	2.1	H-5	15(2)
EET 90141	L-6 chondrite	12.3	E-6	15(2)
EET 90142	L-6 chondrite	9.7	G-5	15(2)
EET 90143	L-6 chondrite	69.2	E-9	15(2)
EET 90144	L-6 chondrite	74.3	F-9	15(2)
EET 90145	L-6 chondrite	26.8	E-10	15(2)
EET 90146	L-6 chondrite	104.1	C-9	15(2)
EET 90147	L-6 chondrite	61.4	F-8	15(2)
EET 90148	L-6 chondrite	66.9	E-10	15(2)
EET 90149	L-6 chondrite	175.4	C-9	15(2)
EET 90150	L-6 chondrite	36.2	G-8	15(2)
EET 90151	H-6 chondrite	17.9	C-9	15(2)
EET 90152	L-6 chondrite	76.6	F-10	15(2)
EET 90153	L-6 chondrite	15.6	E-10	15(2)
EET 90154	L-6 chondrite	18.1	D-10	15(2)
EET 90155	L-6 chondrite	26.2	F-9	15(2)
EET 90156	L-6 chondrite	51.0	F-8	15(2)
EET 90157	L-6 chondrite	101.4	E-10	15(2)
EET 90158	L-6 chondrite	79.0	F-8	15(2)
EET 90159	L-6 chondrite	47.1	E-9	15(2)
EET 90160	L-6 chondrite	21.3	F-9	15(2)
EET 90161	L-3 chondrite	9.7	F-10	15(2)
EET 90162	L-6 chondrite	8.3	E-8	15(2)
EET 90163	L-6 chondrite	9.0	G-8	15(2)
EET 90164	L-6 chondrite	19.4	G-8	15(2)
EET 90165	H-5 chondrite	103.6	F-10	15(2)
EET 90166	H-6 chondrite	104.2	F-9	15(2)
EET 90167	L-6 chondrite	130.0	D-10	15(2)
EET 90168	L-6 chondrite	19.6	B-9	15(2)
EET 90169	L-6 chondrite	73.4	D-10	15(2)
EET 90170	L-6 chondrite	16.3	D-11	15(2)
EET 90171	L-6 chondrite	42.4	F-9	15(2)
EET 90172	L-6 chondrite	15.3	E-9	15(2)
EET 90173	L-6 chondrite	24.5	F-8	15(2)
EET 90174	L-6 chondrite	20.0	G-9	15(2)
EET 90175	L-6 chondrite	82.8	C-11	15(2)
EET 90176	L-6 chondrite	33.6	F-9	15(2)
EET 90177	L-6 chondrite	91.2	D-10	15(2)
EET 90178	H-5 chondrite	280.4	B-9	15(2)
EET 90179	H-5 chondrite	21.6	D-9	15(2)
EET 90180	L-6 chondrite	14.9	F-8	15(2)
EET 90181	L-6 chondrite	15.4	D-9	15(2)
EET 90182	L-6 chondrite	70.3	E-8	15(2)
EET 90183	L-6 chondrite	21.3	F-8	15(2)
EET 90184	L-6 chondrite	25.0	D-8	15(2)
EET 90185	L-6 chondrite	21.9	D-9	15(2)
EET 90186	L-6 chondrite	19.5	E-8	15(2)
EET 90187	L-6 chondrite	45.9	E-8	15(2)

Listing of meteorites recovered from the Elephant Moraine–Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90188	L-6 chondrite	49.6	F-8	15(2)
EET 90189	L-6 chondrite	7.8	E-9	15(2)
EET 90190	L-6 chondrite	5.4	B-10	15(2)
EET 90191	L-6 chondrite	11.0	D-9	15(2)
EET 90192	L-6 chondrite	24.7	E-10	15(2)
EET 90193	L-6 chondrite	26.7	F-9	15(2)
EET 90194	L-6 chondrite	7.2	F-8	15(2)
EET 90195	L-6 chondrite	7.7	G-8	15(2)
EET 90196	L-6 chondrite	62.3	E-8	15(2)
EET 90197	L-6 chondrite	24.4	F-9	15(2)
EET 90198	L-6 chondrite	24.3	G-8	15(2)
EET 90199	L-6 chondrite	27.9	E-9	15(2)
EET 90200	L-6 chondrite	6.7	F-8	15(2)
EET 90201	L-6 chondrite	10.8	D-10	15(2)
EET 90202	L-6 chondrite	23.8	C-9	15(2)
EET 90203	L-6 chondrite	51.5	G-9	15(2)
EET 90204	L-6 chondrite	143.4	D-9	15(2)
EET 90205	L-6 chondrite	46.0	F-9	15(2)
EET 90206	L-6 chondrite	25.6	F-9	15(2)
EET 90207	L-6 chondrite	114.0	F-10	15(2)
EET 90208	L-6 chondrite	31.4	F-8	15(2)
EET 90209	L-6 chondrite	36.4	F-8	15(2)
EET 90210	L-6 chondrite	20.5	F-9	15(2)
EET 90211	L-6 chondrite	23.1	E-9	15(2)
EET 90212	H-5 chondrite	11.5	C-9	15(2)
EET 90213	L-6 chondrite	60.5	F-10	15(2)
EET 90214	L-6 chondrite	38.5	G-9	15(2)
EET 90215	H-5 chondrite	25.0	E-11	15(2)
EET 90216	L-6 chondrite	28.9	C-9	15(2)
EET 90217	L-6 chondrite	23.2	C-10	15(2)
EET 90218	L-6 chondrite	15.6	F-8	15(2)
EET 90219	L-6 chondrite	8.6	D-9	15(2)
EET 90220	L-6 chondrite	16.8	E-10	15(2)
EET 90221	L-6 chondrite	67.3	F-9	15(2)
EET 90222	L-6 chondrite	28.6	G-8	15(2)
EET 90223	L-6 chondrite	21.0	E-9	15(2)
EET 90224	L-6 chondrite	8.7	D-9	15(2)
EET 90225	L-6 chondrite	2.2	C-9	15(2)
EET 90226	L-6 chondrite	22.4	D-9	15(2)
EET 90227	L-6 chondrite	5.8	F-8	15(2)
EET 90228	L-6 chondrite	6.0	F-8	15(2)
EET 90229	H-5 chondrite	245.5	E-6	15(2)
EET 90230	L-6 chondrite	105.3	B-4	15(2)
EET 90231	L-6 chondrite	33.9	H-6	15(2)
EET 90232	L-6 chondrite	16.9	G-8	15(2)
EET 90233	L-6 chondrite	6.6	G-8	15(2)
EET 90234	Carbonaceous C4	8.5	B-4	15(2)
EET 90235	L-6 chondrite	36.2	D-4	15(2)
EET 90236	L-6 chondrite	1.6	B-11	15(2)
EET 90237	H-5 chondrite	157.2	B-11	15(2)
EET 90238	H-6 chondrite	150.1	B-11	15(2)
EET 90239	L-6 chondrite	78.8	D-2	15(2)
EET 90240	L-6 chondrite	11.0	B-4	15(2)
EET 90241	L-6 chondrite	9.1	G-7	15(2)
EET 90242	L-6 chondrite	15.3	D-9	15(2)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90243	L-6 chondrite	21.7	B-4	15(2)
EET 90244	L-6 chondrite	44.8	E-9	15(2)
EET 90245	L-6 chondrite	19.0	G-8	15(2)
EET 90246	H-6 chondrite	362.9	B-11	15(2)
EET 90247	LL-6 chondrite	37.1	I-7	15(2)
EET 90248	Carbonaceous C30	0.4	H-7	15(2)
EET 90249	L-6 chondrite	8.3	F-7	15(2)
EET 90250	L-6 chondrite	13.5	B-4	15(2)
EET 90251	L-6 chondrite	45.4	B-4	15(2)
EET 90252	L-6 chondrite	12.2	G-6	15(2)
EET 90253	H-5 chondrite	6.5	B-12	15(2)
EET 90254	L-6 chondrite	12.8	E-11	15(2)
EET 90255	L-5 chondrite	8.3	C-11	15(2)
EET 90256	L-6 chondrite	3.2	F-7	15(2)
EET 90257	L-6 chondrite	11.0	E-2	15(2)
EET 90258	H-6 chondrite	10.5	G-6	15(2)
EET 90259	L-6 chondrite	22.9	D-8	15(2)
EET 90260	L-6 chondrite	7.3	G-7	15(2)
EET 90261	L-3 chondrite	6.6	D-8	15(2)
EET 90262	L-6 chondrite	9.2	G-6	15(2)
EET 90263	L-6 chondrite	4.8	G-7	15(2)
EET 90264	H-6 chondrite	2.8	D-9	15(2)
EET 90265	L-6 chondrite	3.0	D-8	15(2)
EET 90266	L-6 chondrite	101.7	E-8	15(2)
EET 90267	L-6 chondrite	88.5	E-8	15(2)
EET 90268	L-6 chondrite	7.2	F-5	15(2)
EET 90269	L-6 chondrite	9.2	C-7	15(2)
EET 90270	L-6 chondrite	32.9	G-8	15(2)
EET 90271	L-6 chondrite	17.8	F-6	15(2)
EET 90272	L-6 chondrite	28.1	C-7	15(2)
EET 90273	H-5 chondrite	8.6	F-6	15(2)
EET 90274	L-6 chondrite	55.5	E-8	15(2)
EET 90275	L-6 chondrite	19.5	G-8	15(2)
EET 90276	L-6 chondrite	15.3	F-6	15(2)
EET 90277	L-6 chondrite	13.5	E-8	15(2)
EET 90278	L-6 chondrite	5.6	G-5	15(2)
EET 90279	L-6 chondrite	17.4	D-7	15(2)
EET 90280	L-6 chondrite	11.1	B-7	15(2)
EET 90281	L-6 chondrite	52.6	F-8	15(2)
EET 90282	L-6 chondrite	15.3	E-8	15(2)
EET 90283	L-6 chondrite	81.5	E-8	15(2)
EET 90284	L-6 chondrite	51.6	E-7	15(2)
EET 90285	L-6 chondrite	77.4	E-8	15(2)
EET 90286	L-6 chondrite	23.8	E-6	15(2)
EET 90287	L-6 chondrite	13.8	E-7	15(2)
EET 90288	L-6 chondrite	5.7	C-7	15(2)
EET 90289	L-6 chondrite	33.1	G-7	15(2)
EET 90290	L-6 chondrite	47.5	E-7	15(2)
EET 90291	L-6 chondrite	11.1	C-7	15(2)
EET 90292	L-6 chondrite	20.4	E-6	15(2)
EET 90293	L-6 chondrite	13.4	G-5	15(2)
EET 90294	L-6 chondrite	14.5	F-6	15(2)
EET 90295	L-6 chondrite	12.4	F-6	15(2)
EET 90296	L-6 chondrite	11.0	E-7	15(2)
EET 90297	L-6 chondrite	15.4	E-6	15(2)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90298	L-6 chondrite	7.5	F-5	15(2)
EET 90299	E-3 chondrite	8.1	E-6	15(2)
EET 90300	L-6 chondrite	45.1	E-7	15(2)
EET 90301	L-6 chondrite	23.5	E-8	15(2)
EET 90302	L-6 chondrite	34.9	E-6	15(2)
EET 90303	H-6 chondrite	8.0	B-7	15(2)
EET 90304	H-5 chondrite	16.4	B-7	15(2)
EET 90305	L-6 chondrite	15.0	B-7	15(2)
EET 90306	L-6 chondrite	11.2	E-8	15(2)
EET 90307	L-6 chondrite	25.6	G-8	15(2)
EET 90308	L-6 chondrite	48.4	E-6	15(2)
EET 90309	L-6 chondrite	36.5	E-6	15(2)
EET 90310	L-6 chondrite	21.1	F-5	15(2)
EET 90311	L-6 chondrite	55.4	E-8	15(2)
EET 90312	L-6 chondrite	5.4	C-7	15(2)
EET 90313	H-5 chondrite	27.5	E-8	15(2)
EET 90314	L-6 chondrite	18.4	D-8	15(2)
EET 90315	L-6 chondrite	21.3	G-5	15(2)
EET 90316	L-6 chondrite	76.9	E-8	15(2)
EET 90317	L-6 chondrite	22.7	E-8	15(2)
EET 90318	L-6 chondrite	10.9	F-6	15(2)
EET 90319	L-6 chondrite	13.7	B-7	15(2)
EET 90320	L-6 chondrite	6.3	G-6	15(2)
EET 90321	L-6 chondrite	50.1	C-7	15(2)
EET 90322	L-6 chondrite	6.5	C-6	15(2)
EET 90323	L-6 chondrite	16.8	E-6	15(2)
EET 90324	L-6 chondrite	9.4	F-5	15(2)
EET 90325	L-6 chondrite	10.0	G-5	15(2)
EET 90326	L-6 chondrite	28.3	E-8	15(2)
EET 90327	L-6 chondrite	11.8	C-7	15(2)
EET 90328	H-5 chondrite	35.1	E-8	15(2)
EET 90329	L-6 chondrite	22.5	F-6	15(2)
EET 90330	H-6 chondrite	6.5	C-7	15(2)
EET 90331	L-6 chondrite	6.2	B-7	15(2)
EET 90332	L-6 chondrite	16.1	B-7	15(2)
EET 90333	L-6 chondrite	6.5	B-7	15(2)
EET 90334	L-6 chondrite	45.2	E-6	15(2)
EET 90335	L-6 chondrite	4.7	B-8	15(2)
EET 90336	L-6 chondrite	14.1	E-8	15(2)
EET 90337	L-6 chondrite	2.0	B-7	15(2)
EET 90338	L-6 chondrite	2.1	G-5	15(2)
EET 90339	L-6 chondrite	2.9	B-7	15(2)
EET 90340	L-6 chondrite	24.6	C-8	15(2)
EET 90341	L-6 chondrite	9.5	B-7	15(2)
EET 90342	L-6 chondrite	3.3	F-5	15(2)
EET 90343	L-6 chondrite	9.0	C-7	15(2)
EET 90344	L-6 chondrite	2.7	F-7	15(2)
EET 90345	L-5 chondrite	1.9	E-6	15(2)
EET 90346	L-6 chondrite	5.5	E-8	15(2)
EET 90347	L-6 chondrite	0.6	B-7	15(2)
EET 90348	L-6 chondrite	0.6	B-7	15(2)
EET 90349	L-6 chondrite	7.3	B-7	15(2)
EET 90350	L-6 chondrite	174.0	¶	15(2)
EET 90351	L-6 chondrite	105.8	E-3	15(2)
EET 90352	L-6 chondrite	63.0	D-5	15(2)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90353	L-6 chondrite	77.8	D-5	15(2)
EET 90354	L-6 chondrite	194.6	C-5	15(2)
EET 90355	L-6 chondrite	83.0	C-4	15(2)
EET 90356	L-6 chondrite	99.9	B-4	15(2)
EET 90357	L-6 chondrite	45.6	C-5	15(2)
EET 90358	L-6 chondrite	44.4	D-5	15(2)
EET 90359	L-6 chondrite	65.5	D-4	15(2)
EET 90360	L-6 chondrite	28.9	E-2	15(2)
EET 90361	L-6 chondrite	32.8	D-5	15(2)
EET 90362	L-6 chondrite	111.0	C-5	15(2)
EET 90363	L-6 chondrite	114.3	H-2	15(2)
EET 90364,0	L-6 chondrite	170.8	C-5	15(2)
EET 90364,1	L-6 chondrite	49.6	C-5	15(2)
EET 90365	L-6 chondrite	16.0	D-5	15(2)
EET 90366	L-6 chondrite	57.9	E-5	15(2)
EET 90367	L-6 chondrite	140.2	B-4	15(2)
EET 90368	L-6 chondrite	17.2	D-5	15(2)
EET 90369	L-6 chondrite	71.6	C-4	15(2)
EET 90370	L-6 chondrite	163.9	C-5	15(2)
EET 90371	L-6 chondrite	15.8	E-2	15(2)
EET 90372	H-5 chondrite	158.8	G-2	15(2)
EET 90373	L-6 chondrite	6.5	C-6	15(2)
EET 90374	L-6 chondrite	38.8	C-4	15(2)
EET 90375	L-6 chondrite	29.0	D-5	15(2)
EET 90376	L-6 chondrite	40.2	C-4	15(2)
EET 90377	L-6 chondrite	55.5	C-5	15(2)
EET 90378	L-6 chondrite	66.6	D-5	15(2)
EET 90379	L-6 chondrite	15.4	D-5	15(2)
EET 90380	L-6 chondrite	18.2	C-4	15(2)
EET 90381	L-6 chondrite	76.9	D-5	15(2)
EET 90382	L-6 chondrite	14.5	B-6	15(2)
EET 90383	L-6 chondrite	12.0	F-7	15(2)
EET 90384	L-6 chondrite	20.6	D-5	15(2)
EET 90385	L-6 chondrite	8.9	F-6	15(2)
EET 90386	LL-6 chondrite	54.0	E-2	15(2)
EET 90387	L-6 chondrite	19.5	E-4	15(2)
EET 90388	H-5 chondrite	58.1	E-3	15(2)
EET 90389	L-6 chondrite	23.2	C-5	15(2)
EET 90390	L-6 chondrite	45.6	D-5	15(2)
EET 90391	L-6 chondrite	59.8	C-5	15(2)
EET 90392	L-6 chondrite	27.2	C-6	15(2)
EET 90393	L-6 chondrite	10.9	B-4	15(2)
EET 90394	L-6 chondrite	97.3	C-5	15(2)
EET 90395	L-6 chondrite	45.0	B-4	15(2)
EET 90396	L-6 chondrite	22.0	B-4	15(2)
EET 90397	L-6 chondrite	23.1	C-4	15(2)
EET 90398	L-6 chondrite	36.3	E-5	15(2)
EET 90399	L-6 chondrite	65.9	C-5	15(2)
EET 90400	L-6 chondrite	10.9	C-5	15(2)
EET 90401	L-6 chondrite	13.4	D-5	15(2)
EET 90402	L-6 chondrite	69.3	D-4	15(2)
EET 90403	L-6 chondrite	86.8	D-5	15(2)
EET 90404	L-6 chondrite	11.6	C-6	15(2)
EET 90405	H-6 chondrite	3.8	E-3	15(2)
EET 90406	L-5 chondrite	1.8	C-6	15(2)

Listing of meteorites recovered from the Elephant Moraine–Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90407	L-6 chondrite	33.9	C-5	15(2)
EET 90408	L-6 chondrite	8.3	E-5	15(2)
EET 90409	L-6 chondrite	26.0	C-5	15(2)
EET 90410	L-6 chondrite	29.7	C-5	15(2)
EET 90411	L-6 chondrite	16.3	G-7	15(2)
EET 90412	H-6 chondrite	5.9	D-5	15(2)
EET 90413	L-6 chondrite	11.8	B-5	15(2)
EET 90414	L-6 chondrite	55.6	D-4	15(2)
EET 90415	L-6 chondrite	14.5	C-5	15(2)
EET 90416	L-6 chondrite	5.3	E-6	15(2)
EET 90417	L-6 chondrite	7.6	D-5	15(2)
EET 90418	L-6 chondrite	19.1	D-5	15(2)
EET 90419	L-6 chondrite	2.1	E-3	15(2)
EET 90420	L-6 chondrite	31.1	D-5	15(2)
EET 90421	L-6 chondrite	9.7	C-6	15(2)
EET 90422	L-6 chondrite	1.4	D-3	15(2)
EET 90423	L-6 chondrite	24.0	E-5	15(2)
EET 90424	L-5 chondrite	1.7	E-5	15(2)
EET 90425			C-4	
EET 90426	L-6 chondrite	14.4	C-5	15(2)
EET 90427	L-6 chondrite	13.1	B-6	15(2)
EET 90428	Carbonaceous C4	7.3	H-1	15(2)
EET 90429	L-6 chondrite	18.2	C-4	15(2)
EET 90430	L-6 chondrite	3.9	B-4	15(2)
EET 90431	L-6 chondrite	24.8	B-4	15(2)
EET 90432	L-6 chondrite	0.7	E-2	15(2)
EET 90433	H-6 chondrite	3.9	C-5	15(2)
EET 90434	L-6 chondrite	2.6	D-3	15(2)
EET 90435	L-6 chondrite	13.7	D-5	15(2)
EET 90436	L-6 chondrite	7.9	E-7	15(2)
EET 90437	L-6 chondrite	10.8	C-5	15(2)
EET 90438	L-6 chondrite	7.1	C-6	15(2)
EET 90439	L-6 chondrite	6.8	F-7	15(2)
EET 90440	L-6 chondrite	87.0	G-3	15(2)
EET 90441	L-6 chondrite	125.4	G-3	15(2)
EET 90442	L-6 chondrite	102.9	C-6	15(2)
EET 90443	L-6 chondrite	136.3	D-6	15(2)
EET 90444	L-6 chondrite	103.9	G-3	15(2)
EET 90445	L-6 chondrite	127.1	C-6	15(2)
EET 90446	L-6 chondrite	84.7	C-6	15(2)
EET 90447	L-6 chondrite	105.2	B-6	15(2)
EET 90448	L-6 chondrite	2.2	B-4	15(2)
EET 90449	L-6 chondrite	0.5	C-6	15(2)
EET 90450	L-6 chondrite	63.6	F-8	15(2)
EET 90451	L-6 chondrite	78.7	G-8	15(2)
EET 90452	LL-6 chondrite	122.1	H-7	15(2)
EET 90453	L-6 chondrite	60.9	F-7	15(2)
EET 90454	L-6 chondrite	212.9	F-7	15(2)
EET 90455	L-6 chondrite	85.9	E-6	15(2)
EET 90456	H-5 chondrite	51.0	H-7	15(2)
EET 90457	L-6 chondrite	80.7	F-6	15(2)
EET 90458	L-6 chondrite	150.8	H-7	15(2)
EET 90459	L-6 chondrite	62.7	E-6	15(2)
EET 90460	L-6 chondrite	46.2	G-8	15(2)
EET 90461	L-6 chondrite	36.3	F-7	15(2)

Listing of meteorites recovered from the Elephant Moraine–Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90462	L-6 chondrite	68.3	F-7	15(2)
EET 90463	L-6 chondrite	66.4	F-7	15(2)
EET 90464	L-6 chondrite	159.1	C-5	15(2)
EET 90465	L-6 chondrite	217.3	C-6	15(2)
EET 90466	L-6 chondrite	162.3	C-5	15(2)
EET 90467	L-6 chondrite	141.8	C-6	15(2)
EET 90468	L-6 chondrite	202.0	C-4	15(2)
EET 90469	H-5 chondrite	48.5	C-5	15(2)
EET 90470	L-6 chondrite	82.6	C-5	15(2)
EET 90471	L-6 chondrite	76.6	C-5	15(2)
EET 90472	L-6 chondrite	78.3	C-5	15(2)
EET 90473	L-6 chondrite	50.1	D-5	15(2)
EET 90474	L-6 chondrite	117.7	C-5	15(2)
EET 90475	L-6 chondrite	68.9	D-4	15(2)
EET 90476	L-6 chondrite	63.8	D-5	15(2)
EET 90477	L-6 chondrite	62.3	E-7	15(2)
EET 90478	L-6 chondrite	58.7	E-5	15(2)
EET 90479	L-6 chondrite	82.6	D-5	15(2)
EET 90480	L-6 chondrite	66.8	E-5	15(2)
EET 90481	L-6 chondrite	74.8	D-5	15(2)
EET 90482	L-6 chondrite	66.0	D-5	15(2)
EET 90483	L-6 chondrite	177.9	D-6	15(2)
EET 90484	L-6 chondrite	93.6	D-9	15(2)
EET 90485	L-6 chondrite	52.4	G-8	15(2)
EET 90486	L-6 chondrite	152.9	C-6	15(2)
EET 90487	L-6 chondrite	300.8	B-7	15(2)
EET 90488	L-6 chondrite	240.6	*	15(2)
EET 90489	L-6 chondrite	48.8	F-9	15(2)
EET 90490	L-6 chondrite	93.0	D-5	15(2)
EET 90491	L-6 chondrite	107.1	D-6	15(2)
EET 90492	L-6 chondrite	140.2	C-6	15(2)
EET 90493	L-6 chondrite	219.0	D-6	15(2)
EET 90494	L-6 chondrite	65.3	E-6	15(2)
EET 90495	L-4 chondrite	96.8	D-9	15(2)
EET 90496	L-6 chondrite	103.4	C-9	15(2)
EET 90497	L-6 chondrite	103.6	E-10	15(2)
EET 90498	L-6 chondrite	71.3	D-5	15(2)
EET 90499	L-6 chondrite	104.9	D-6	15(2)
EET 90500	L-6 chondrite	107.6	E-10	15(2)
EET 90501	L-6 chondrite	53.7	E-6	15(2)
EET 90502	H-6 chondrite	150.0	B-11	15(2)
EET 90503	L-6 chondrite	85.0	F-8	15(2)
EET 90504	L-6 chondrite	117.4	E-10	15(2)
EET 90505	L-6 chondrite	98.0	D-6	15(2)
EET 90506	L-6 chondrite	112.4	D-6	15(2)
EET 90507	L-6 chondrite	4.9	G-7	15(2)
EET 90508	L-6 chondrite	42.6	F-8	15(2)
EET 90509	L-6 chondrite	8.7	G-6	15(2)
EET 90510	L-6 chondrite	23.5	G-6	15(2)
EET 90511	L-6 chondrite	7.9	G-6	15(2)
EET 90512	H-5 chondrite	18.7	G-7	15(2)
EET 90513	L-6 chondrite	25.4	F-7	15(2)
EET 90514	L-6 chondrite	11.7	G-6	15(2)
EET 90515	L-6 chondrite	8.3	E-6	15(2)
EET 90516	L-6 chondrite	4.3	F-6	15(2)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90517	L-6 chondrite	36.7	F-6	15(2)
EET 90518	L-6 chondrite	20.9	F-6	15(2)
EET 90519	L-3 chondrite	5.2	G-6	15(2)
EET 90520	L-6 chondrite	21.4	F-7	15(2)
EET 90521	L-6 chondrite	5.5	H-6	15(2)
EET 90522	L-6 chondrite	6.9	G-6	15(2)
EET 90523	L-6 chondrite	4.0	G-7	15(2)
EET 90524	L-6 chondrite	8.9	G-6	15(2)
EET 90525	L-4 chondrite	14.6	G-6	15(2)
EET 90526	L-6 chondrite	12.7	F-8	15(2)
EET 90527	L-6 chondrite	6.6	F-7	15(2)
EET 90528	L-6 chondrite	14.9	G-6	15(2)
EET 90529	L-6 chondrite	6.8	G-6	15(2)
EET 90530	L-6 chondrite	8.4	G-6	15(2)
EET 90531	L-6 chondrite	24.8	F-7	15(2)
EET 90532	L-6 chondrite	29.9	F-7	15(2)
EET 90533	L-6 chondrite	11.0	F-6	15(2)
EET 90534	L-6 chondrite	9.6	F-7	15(2)
EET 90535	L-6 chondrite	9.0	G-6	15(2)
EET 90536	L-6 chondrite	17.9	F-7	15(2)
EET 90537	L-6 chondrite	17.6	F-8	15(2)
EET 90538	L-6 chondrite	4.9	G-6	15(2)
EET 90539	L-6 chondrite	20.2	G-6	15(2)
EET 90540	L-6 chondrite	15.5	F-7	15(2)
EET 90541	L-6 chondrite	38.2	G-7	15(2)
EET 90542	L-3 chondrite	5.0	F-6	15(2)
EET 90543	L-6 chondrite	6.7	G-6	15(2)
EET 90544	L-6 chondrite	48.7	F-8	15(2)
EET 90545	L-6 chondrite	8.3	G-6	15(2)
EET 90546	L-6 chondrite	12.3	G-7	15(2)
EET 90547	H-6 chondrite	4.1	F-7	15(2)
EET 90548	L-6 chondrite	2.2	F-7	15(2)
EET 90549	L-6 chondrite	4.1	G-6	15(2)
EET 90550	L-6 chondrite	30.3	F-8	15(2)
EET 90551	L-6 chondrite	12.4	G-8	15(2)
EET 90552	L-6 chondrite	38.7	F-7	15(2)
EET 90553	L-6 chondrite	7.5	F-7	15(2)
EET 90554	L-6 chondrite	19.1	F-7	15(2)
EET 90555	L-6 chondrite	6.8	G-6	15(2)
EET 90556	L-6 chondrite	21.3	F-6	15(2)
EET 90557	L-6 chondrite	6.1	F-6	15(2)
EET 90558	L-6 chondrite	6.9	G-5	15(2)
EET 90559	L-6 chondrite	42.2	F-8	15(2)
EET 90560	L-6 chondrite	28.1	F-8	15(2)
EET 90561	L-6 chondrite	0.9	G-6	15(2)
EET 90562	L-6 chondrite	5.2	G-6	15(2)
EET 90563	L-6 chondrite	4.2	G-6	15(2)
EET 90564	L-6 chondrite	27.2	F-6	15(2)
EET 90565	L-6 chondrite	32.4	F-7	15(2)
EET 90566	L-5 chondrite	15.6	G-6	15(2)
EET 90567			E-6	
EET 90568			C-6	
EET 90569			D-6	
EET 90570			D-6	
EET 90571			E-6	



Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90572			C-6	
EET 90573			C-6	
EET 90574			C-6	
EET 90575			D-6	
EET 90576			C-6	
EET 90577			D-5	
EET 90578			D-6	
EET 90579			E-6	
EET 90580	L-6 chondrite	11.1	G-6	15(2)
EET 90581	L-6 chondrite	18.4	F-8	15(2)
EET 90582	L-6 chondrite	1.7	G-6	15(2)
EET 90583	L-6 chondrite	2.1	F-7	15(2)
EET 90584	L-6 chondrite	5.5	B-9	15(2)
EET 90585	L-6 chondrite	31.5	F-7	15(2)
EET 90586	L-6 chondrite	2.7	F-8	15(2)
EET 90587	L-6 chondrite	4.6	G-7	15(2)
EET 90588	L-6 chondrite	4.0	F-7	15(2)
EET 90589	L-6 chondrite	4.3	G-7	15(2)
EET 90590	L-6 chondrite	3.2	F-6	15(2)
EET 90591	L-6 chondrite	6.2	G-6	15(2)
EET 90592	L-6 chondrite	6.4	G-7	15(2)
EET 90593	L-6 chondrite	31.9	G-6	15(2)
EET 90594	L-6 chondrite	3.1	F-6	15(2)
EET 90595	L-6 chondrite	36.7	E-5	15(2)
EET 90596	L-6 chondrite	20.3	E-5	15(2)
EET 90597	L-6 chondrite	78.9	C-4	15(2)
EET 90598	L-6 chondrite	33.1	D-5	15(2)
EET 90599	L-6 chondrite	57.9	D-4	15(2)
EET 90600	L-6 chondrite	34.2	D-4	15(2)
EET 90601	H-6 chondrite	14.4	C-5	15(2)
EET 90602	L-6 chondrite	26.9	E-5	15(2)
EET 90603	L-6 chondrite	21.0	D-4	15(2)
EET 90604	L-6 chondrite	25.6	D-6	15(2)
EET 90605	L-6 chondrite	42.3	C-5	15(2)
EET 90606	L-6 chondrite	37.0	E-5	15(2)
EET 90607	L-6 chondrite	37.0	B-4	15(2)
EET 90608	L-6 chondrite	11.8	B-6	15(2)
EET 90609	L-6 chondrite	39.7	D-5	15(2)
EET 90610,0			D-7	
EET 90610,1			D-7	
EET 90610,2			D-7	
EET 90610,3			D-7	
EET 90610,4			D-7	
EET 90610,5			D-7	
EET 90610,6			D-7	
EET 90610,7			D-7	
EET 90610,8			D-7	
EET 90610,9			D-7	
EET 90610,10			D-7	
EET 90610,11			D-7	
EET 90610,12			D-7	
EET 90610,13			D-7	
EET 90610,14			D-7	
EET 90610,15			C-7	
EET 90610,16			C-7	

Listing of meteorites recovered from the Elephant Moraine–Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90610,17			D-7	
EET 90610,18			C-7	
EET 90611	L-6 chondrite	34.7	C-5	15(2)
EET 90612	L-6 chondrite	37.0	C-5	15(2)
EET 90613	L-6 chondrite	35.0	C-5	15(2)
EET 90614	L-6 chondrite	8.4	D-5	15(2)
EET 90615	L-6 chondrite	43.0	F-8	15(2)
EET 90616	H-5 chondrite	26.1	D-5	15(2)
EET 90617	L-6 chondrite	53.8	B-6	15(2)
EET 90618	L-6 chondrite	42.5	C-5	15(2)
EET 90619	L-6 chondrite	55.0	E-5	15(2)
EET 90620	L-6 chondrite	14.8	D-5	15(2)
EET 90621	L-6 chondrite	4.3	C-5	15(2)
EET 90622	L-6 chondrite	14.1	D-5	15(2)
EET 90623	L-5 chondrite	16.7	C-5	15(2)
EET 90624	L-6 chondrite	3.2	G-6	15(2)
EET 90625	L-6 chondrite	3.8	E-6	15(2)
EET 90626	L-6 chondrite	25.1	B-5	15(2)
EET 90627	L-6 chondrite	19.3	C-6	15(2)
EET 90628	L-3 chondrite	23.1	I-2	15(2)
EET 90629	L-6 chondrite	36.3	D-5	15(2)
EET 90630	L-6 chondrite	8.6	B-5	15(2)
EET 90631	L-6 chondrite	25.5	F-7	15(2)
EET 90632	L-6 chondrite	30.2	C-5	15(2)
EET 90633	L-6 chondrite	44.8	C-5	15(2)
EET 90634	L-6 chondrite	2.1	C-5	15(2)
EET 90635	L-6 chondrite	1.3	D-3	15(2)
EET 90636	L-6 chondrite	32.2	D-5	15(2)
EET 90637	L-6 chondrite	23.3	C-5	15(2)
EET 90638	L-6 chondrite	26.5	D-5	15(2)
EET 90639	L-6 chondrite	24.2	D-5	15(2)
EET 90640	L-5 chondrite	9.7	D-4	16(1)
EET 90641	L-6 chondrite	1.4	C-5	15(2)
EET 90642	L-6 chondrite	5.4	B-5	15(2)
EET 90643	L-6 chondrite	19.0	D-5	15(2)
EET 90644	L-6 chondrite	1.3	D-3	15(2)
EET 90645	L-6 chondrite	55.3	D-5	15(2)
EET 90646	L-6 chondrite	27.2	E-5	15(2)
EET 90647	L-6 chondrite	13.4	B-6	15(2)
EET 90648	L-6 chondrite	21.5	C-6	15(2)
EET 90649	L-6 chondrite	48.7	B-5	15(2)
EET 90650	L-5 chondrite	15.7	E-5	16(1)
EET 90651	L-6 chondrite	36.6	E-5	16(1)
EET 90652	L-6 chondrite	14.8	E-5	16(1)
EET 90653	H-5 chondrite	8.9	C-5	16(1)
EET 90654	L-6 chondrite	16.5	D-6	16(1)
EET 90655	L-6 chondrite	7.4	E-5	16(1)
EET 90656	L-6 chondrite	57.0	C-5	16(1)
EET 90657	L-5 chondrite	16.1	B-8	16(1)
EET 90658	L-6 chondrite	26.7	C-5	16(1)
EET 90659	L-6 chondrite	1.4	B-6	16(1)
EET 90660	L-6 chondrite	8.6	B-4	16(1)
EET 90661	L-6 chondrite	11.6	D-5	16(1)
EET 90662	L-6 chondrite	25.5	D-5	16(1)
EET 90663	L-6 chondrite	33.5	C-4	16(1)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90664	L-6 chondrite	11.8	B-6	16(1)
EET 90665	L-6 chondrite	16.2	D-6	16(1)
EET 90666	H-6 chondrite	10.2	C-5	16(1)
EET 90667	L-6 chondrite	31.0	C-5	16(1)
EET 90668	L-6 chondrite	18.8	B-6	16(1)
EET 90669	L-6 chondrite	2.9	E-6	16(1)
EET 90670	L-6 chondrite	43.4	E-5	16(2)
EET 90671	L-5 chondrite	35.2	I-2	16(2)
EET 90672	L-6 chondrite	72.1	E-5	16(2)
EET 90673	L-6 chondrite	70.1	C-7	16(2)
EET 90674	L-6 chondrite	33.2	C-6	16(2)
EET 90675	L-6 chondrite	49.9	E-5	16(2)
EET 90676	L-6 chondrite	14.7	C-6	16(2)
EET 90677	L-6 chondrite	22.8	C-7	16(2)
EET 90678	L-6 chondrite	20.9	B-6	16(2)
EET 90679	L-6 chondrite	70.7	E-4	16(2)
EET 90680	L-6 chondrite	19.3	C-6	16(2)
EET 90681	L-6 chondrite	40.0	E-5	16(2)
EET 90682	L-6 chondrite	25.2	C-6	16(2)
EET 90683	L-6 chondrite	23.1	E-6	16(2)
EET 90684	L-6 chondrite	16.6	D-6	16(2)
EET 90685	L-6 chondrite	18.2	C-6	16(2)
EET 90686	L-6 chondrite	11.6	C-6	16(2)
EET 90687	L-6 chondrite	10.6	B-6	16(2)
EET 90688	L-6 chondrite	17.6	C-6	16(2)
EET 90689	L-6 chondrite	37.0	D-6	16(2)
EET 90690	L-6 chondrite	24.9	D-6	16(2)
EET 90691	L-6 chondrite	26.1	E-5	16(2)
EET 90692	L-6 chondrite	13.6	B-7	16(2)
EET 90693	L-6 chondrite	10.9	H-5	16(2)
EET 90694	L-6 chondrite	22.9	G-5	16(2)
EET 90695	L-6 chondrite	30.6	E-5	16(2)
EET 90696	L-6 chondrite	15.6	C-6	16(2)
EET 90697	L-6 chondrite	17.7	B-6	16(2)
EET 90698,0	L-6 chondrite	9.8	D-6	16(2)
EET 90698,1	L-6 chondrite	6.5	C-6	16(2)
EET 90699	L-6 chondrite	19.1	E-4	16(2)
EET 90700,0	L-6 chondrite	22.3	C-6	16(2)
EET 90700,1	L-6 chondrite	14.4	C-6	16(2)
EET 90701	L-6 chondrite	4.4	F-5	16(2)
EET 90702	L-6 chondrite	27.6	E-4	16(2)
EET 90703	L-6 chondrite	9.1	C-6	16(2)
EET 90704	L-6 chondrite	8.7	E-5	16(2)
EET 90705	L-6 chondrite	34.7	C-6	16(2)
EET 90706	L-6 chondrite	10.6	C-6	16(2)
EET 90707	H-5 chondrite	35.5	G-4	16(2)
EET 90708	L-6 chondrite	13.8	E-5	16(2)
EET 90709	L-6 chondrite	5.6	F-5	16(2)
EET 90710	L-6 chondrite	10.2	C-7	16(2)
EET 90711	L-6 chondrite	10.2	H-3	16(2)
EET 90712	L-6 chondrite	24.8	E-5	16(2)
EET 90713	L-6 chondrite	33.5	F-4	16(2)
EET 90714	L-6 chondrite	2.4	B-6	16(2)
EET 90715	L-6 chondrite	2.2	B-6	16(2)
EET 90716	L-6 chondrite	1.6	B-6	16(2)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90717	L-6 chondrite	8.1	D-6	16(2)
EET 90718	H-5 chondrite	2.8	B-6	16(2)
EET 90719	L-6 chondrite	30.1	E-5	16(2)
EET 90720	L-6 chondrite	21.6	E-6	16(2)
EET 90721	H-5 chondrite	19.9	F-4	16(2)
EET 90722	L-5 chondrite	5.2	B-6	16(2)
EET 90723	L-6 chondrite	22.1	E-5	16(2)
EET 90724	L-6 chondrite	45.1	D-6	16(2)
EET 90725	L-6 chondrite	18.5	E-4	16(2)
EET 90726	L-6 chondrite	13.5	C-6	16(2)
EET 90727	L-6 chondrite	117.2	C-8	16(2)
EET 90728	L-6 chondrite	12.3	B-6	16(2)
EET 90729	L-6 chondrite	16.0	C-6	16(2)
EET 90730	L-6 chondrite	21.9	D-6	16(2)
EET 90731	L-6 chondrite	34.3	C-6	16(2)
EET 90732	H-5 chondrite	7.9	H-3	16(2)
EET 90733	L-6 chondrite	21.1	D-6	16(2)
EET 90734	L-6 chondrite	13.6	C-6	16(2)
EET 90735	L-6 chondrite	12.6	D-6	16(2)
EET 90736	L-6 chondrite	20.3	C-6	16(2)
EET 90737	L-6 chondrite	15.9	C-6	16(2)
EET 90738	L-6 chondrite	69.0	C-6	16(2)
EET 90739	L-6 chondrite	22.8	C-6	16(2)
EET 90740	L-6 chondrite	11.6	C-6	16(2)
EET 90741	L-6 chondrite	12.6	B-6	16(2)
EET 90742	L-6 chondrite	5.3	F-4	16(2)
EET 90743	L-6 chondrite	21.7	E-5	16(2)
EET 90744	L-6 chondrite	4.1	H-3	16(2)
EET 90745			G-5	
EET 90746	L-6 chondrite	28.7	F-6	16(2)
EET 90747	L-6 chondrite	12.1	G-6	16(2)
EET 90748	L-6 chondrite	17.8	G-6	16(2)
EET 90749	L-6 chondrite	10.0	F-7	16(2)
EET 90750	L-6 chondrite	14.7	F-7	16(2)
EET 90751	L-6 chondrite	8.6	F-7	16(2)
EET 90752	L-6 chondrite	17.2	G-7	16(2)
EET 90753	L-6 chondrite	30.2	F-7	16(2)
EET 90754	L-6 chondrite	13.6	E-6	16(2)
EET 90755	H-5 chondrite	21.4	G-7	16(2)
EET 90756	L-6 chondrite	11.8	F-7	16(2)
EET 90757			F-9	
EET 90758	L-6 chondrite	44.2	F-7	16(2)
EET 90759	L-6 chondrite	8.3	F-8	16(2)
EET 90760	L-6 chondrite	5.4	F-6	16(2)
EET 90761	L-6 chondrite	12.2	F-7	16(2)
EET 90762	L-6 chondrite	6.0	H-7	16(2)
EET 90763	L-6 chondrite	4.9	G-6	16(2)
EET 90764	L-6 chondrite	27.3	F-7	16(2)
EET 90765	L-6 chondrite	29.1	F-7	16(2)
EET 90766	L-6 chondrite	3.2	F-6	16(2)
EET 90767	L-6 chondrite	14.7	G-7	16(2)
EET 90768	L-6 chondrite	5.8	G-6	16(2)
EET 90769	L-6 chondrite	12.5	F-7	16(2)
EET 90770	L-6 chondrite	5.5	F-7	16(2)
EET 90771	L-6 chondrite	4.8	G-6	16(2)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90772	L-6 chondrite	52.3	F-8	16(2)
EET 90773	L-6 chondrite	25.2	F-7	16(2)
EET 90774	L-6 chondrite	41.1	G-7	16(2)
EET 90775	L-6 chondrite	10.0	G-7	16(2)
EET 90776	L-6 chondrite	5.0	G-7	16(2)
EET 90777	L-6 chondrite	13.3	F-7	16(2)
EET 90778	L-5 chondrite	4.8	H-6	16(2)
EET 90779	L-6 chondrite	14.8	G-8	16(2)
EET 90780	L-6 chondrite	45.2	G-8	16(2)
EET 90781	L-6 chondrite	5.8	F-7	16(2)
EET 90782	L-6 chondrite	3.6	H-6	16(2)
EET 90783	L-6 chondrite	23.8	F-7	16(2)
EET 90784	L-6 chondrite	5.7	F-6	16(2)
EET 90785	L-6 chondrite	7.2	G-7	16(2)
EET 90786	L-6 chondrite	11.8	H-6	16(2)
EET 90787	L-6 chondrite	7.7	F-7	16(2)
EET 90788	L-6 chondrite	4.1	G-6	16(2)
EET 90789	L-6 chondrite	3.2	G-7	16(2)
EET 90790			G-6	
EET 90791	L-6 chondrite	14.4	F-7	16(2)
EET 90792	L-6 chondrite	38.9	G-7	16(2)
EET 90793	L-6 chondrite	17.5	F-7	16(2)
EET 90794	L-6 chondrite	13.1	F-7	16(2)
EET 90795	L-6 chondrite	4.9	G-6	16(2)
EET 90796	L-6 chondrite	39.7	G-8	16(2)
EET 90797	L-6 chondrite	27.0	F-8	16(2)
EET 90798	L-6 chondrite	20.9	F-6	16(2)
EET 90799	L-6 chondrite	8.5	G-6	16(2)
EET 90800	L-6 chondrite	10.2	F-6	16(2)
EET 90801	L-6 chondrite	6.1	G-6	16(2)
EET 90802	L-6 chondrite	14.7	F-6	16(2)
EET 90803	L-6 chondrite	1.4	G-7	16(2)
EET 90804	L-6 chondrite	8.6	G-7	16(2)
EET 90805	L-6 chondrite	11.9	G-6	16(2)
EET 90806	L-6 chondrite	14.6	F-7	16(2)
EET 90807			H-6	
EET 90808	L-6 chondrite	5.2	G-6	16(2)
EET 90809	L-6 chondrite	5.0	G-6	16(2)
EET 90810	L-6 chondrite	19.5	F-8	16(2)
EET 90811	L-6 chondrite	6.1	F-7	16(2)
EET 90812	L-6 chondrite	3.5	F-7	16(2)
EET 90813	L-6 chondrite	2.6	G-7	16(2)
EET 90814	L-6 chondrite	6.3	G-6	16(2)
EET 90815	L-6 chondrite	43.2	F-6	16(2)
EET 90816	L-6 chondrite	11.0	G-6	16(2)
EET 90817	L-6 chondrite	3.3	G-6	16(2)
EET 90818	L-6 chondrite	13.2	F-7	16(2)
EET 90819	L-6 chondrite	23.9	F-7	16(2)
EET 90820	L-6 chondrite	0.9	F-7	16(2)
EET 90821	L-6 chondrite	5.5	F-7	16(2)
EET 90822	L-6 chondrite	8.5	G-6	16(2)
EET 90823	L-6 chondrite	1.8	F-7	16(2)
EET 90824	L-6 chondrite	2.1	G-7	16(2)
EET 90825	L-6 chondrite	7.2	F-7	16(2)
EET 90826	L-6 chondrite	25.7	F-7	16(2)

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90827	L-6 chondrite	4.0	G-6	16(2)
EET 90828	L-6 chondrite	15.1	G-6	16(2)
EET 90829	L-6 chondrite	7.6	G-7	16(2)
EET 90830			G-6	
EET 90831			E-7	
EET 90832			F-9	
EET 90833			D-10	
EET 90834			G-9	
EET 90835			D-9	
EET 90836			F-8	
EET 90837			F-8	
EET 90838			F-8	
EET 90839			E-11	
EET 90840			G-9	
EET 90841			G-8	
EET 90842			E-8	
EET 90843			G-9	
EET 90844			F-9	
EET 90845			E-9	
EET 90846			D-10	
EET 90847			E-8	
EET 90848			B-10	
EET 90849			G-8	
EET 90850			E-9	
EET 90851			E-10	
EET 90852			F-10	
EET 90853			F-10	
EET 90854			F-9	
EET 90855			G-8	
EET 90856			F-9	
EET 90857			F-9	
EET 90858			G-8	
EET 90859			G-8	
EET 90860			F-8	
EET 90861			B-9	
EET 90862			F-8	
EET 90863			C-10	
EET 90864			D-9	
EET 90865			D-9	
EET 90866			E-9	
EET 90867			C-9	
EET 90868			F-9	
EET 90869			F-9	
EET 90870			F-9	
EET 90871			G-8	
EET 90872			F-9	
EET 90873			F-8	
EET 90874			D-9	
EET 90875			G-8	
EET 90876			F-9	
EET 90877			C-10	
EET 90878			E-8	
EET 90879			F-9	
EET 90880			D-10	
EET 90881			E-9	

Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90882			G-8	
EET 90883			F-9	
EET 90884			F-8	
EET 90885			C-10	
EET 90886			F-8	
EET 90887			D-10	
EET 90888			F-9	
EET 90889			F-10	
EET 90890			G-9	
EET 90891			F-9	
EET 90892			C-9	
EET 90893			F-8	
EET 90894			F-8	
EET 90895			D-9	
EET 90896			E-9	
EET 90897			F-9	
EET 90898			F-9	
EET 90899			G-9	
EET 90900			F-8	
EET 90901			D-11	
EET 90902			E-8	
EET 90903			F-8	
EET 90904			G-8	
EET 90905			C-10	
EET 90906			D-9	
EET 90907			E-9	
EET 90908			F-9	
EET 90909			C-9	
EET 90910			F-8	
EET 90911			B-9	
EET 90912			D-8	
EET 90913			F-8	
EET 90914			G-8	
EET 90915			C-9	
EET 90916			B-9	
EET 90917			D-5	
EET 90918			B-6	
EET 90919			C-7	
EET 90920			C-6	
EET 90921			C-6	
EET 90922			C-6	
EET 90923			D-6	
EET 90924			E-6	
EET 90925			D-5	
EET 90926			C-6	
EET 90927			C-6	
EET 90928			D-6	
EET 90929			D-5	
EET 90930			D-6	
EET 90931			D-5	
EET 90932			D-6	
EET 90933			C-6	
EET 90934			C-6	
EET 90935			D-6	
EET 90936			C-6	

Listing of meteorites recovered from the Elephant Moraine–Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90937			D-5	
EET 90938			D-5	
EET 90939			C-6	
EET 90940			B-6	
EET 90941			D-10	
EET 90942			C-6	
EET 90943			C-6	
EET 90944			D-6	
EET 90945			D-5	
EET 90946			E-6	
EET 90947			D-5	
EET 90948			E-6	
EET 90949			D-6	
EET 90950			D-5	
EET 90951			C-6	
EET 90952			C-6	
EET 90953			C-6	
EET 90954			D-6	
EET 90955			E-6	
EET 90956			D-5	
EET 90957			C-6	
EET 90958			E-5	
EET 90959			D-6	
EET 90960			D-6	
EET 90961			D-6	
EET 90962			D-6	
EET 90963			C-6	
EET 90964			C-6	
EET 90965			C-6	
EET 90966			C-6	
EET 90967			E-6	
EET 90968			C-6	
EET 90969			E-6	
EET 90970			C-6	
EET 90971			C-6	
EET 90972			C-6	
EET 90973			D-6	
EET 90974			D-6	
EET 90975			C-6	
EET 90976			C-6	
EET 90977			E-6	
EET 90978			C-6	
EET 90979			E-6	
EET 90980			C-6	
EET 90981			C-6	
EET 90982			C-6	
EET 90983			D-6	
EET 90984			D-5	
EET 90985			C-6	
EET 90986			C-6	
EET 90987			C-6	
EET 90988			C-6	
EET 90989			D-6	
EET 90990			E-8	
EET 90991			C-7	



Listing of meteorites recovered from the Elephant Moraine-Texas Bowl Icefield  
(1987 and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
EET 90992			E-5	
EET 90993			C-6	

\*Meteorite location is outside the map area. See Fig. 16.

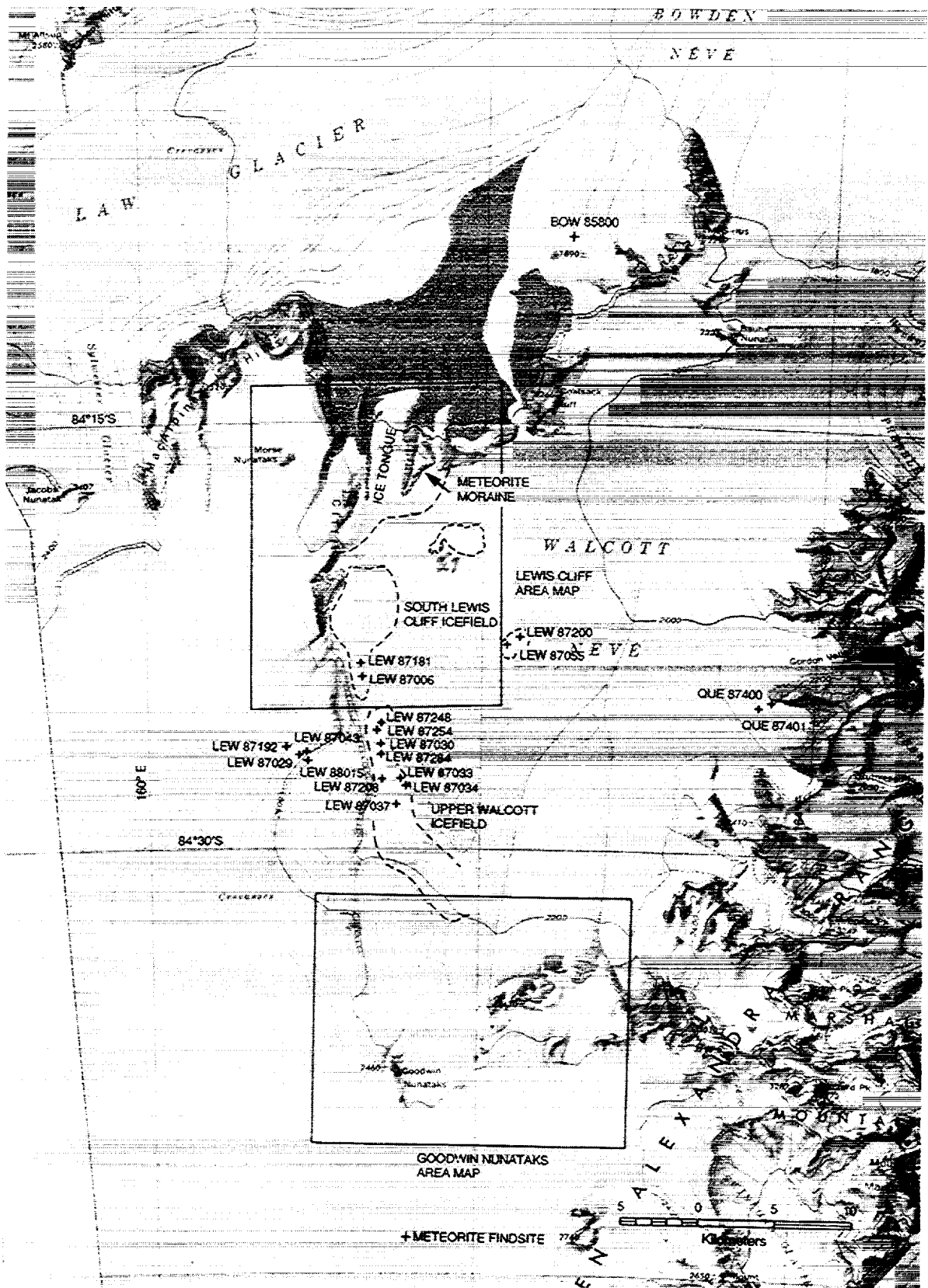


Fig. 21. Sketch map of the Dominion Range and Grosvenor Mountains area, Beardmore Glacier region, showing the areas covered by Maps 1-4 (Figs. 23-26). Traverse routes of the field party are also indicated.

## BEARDMORE GLACIER REGION METEORITE LOCATION MAP SERIES

The Beardmore Glacier region of the Transantarctic Mountains contains numerous meteorite stranding surfaces and meteorite finds. The area was first explored for meteorites during the 1985-1986 field season (*Cassidy et al.*, 1986; *Cassidy*, 1992). In the upper reaches of the Beardmore Glacier and Mill Glacier drainage system, meteorites were found on icefields in the Dominion Range and the Grosvenor Mountains areas. Sketch maps showing the meteorite locations have been produced for these areas (*Cassidy*, 1992) and are included in this report. The Queen Alexandra Range lies west of the Beardmore Glacier. Meteorite stranding surfaces have been found along the southwestern edge of the range and at the head of the Walcott Névé. A meteorite location map of the Goodwin Nunataks area of the Queen Alexandra Range has been produced and is currently available, even though the area is incompletely searched. Further along the western side of

the Walcott Névé lies the Lewis Cliff area. This is the largest meteorite stranding site in the area and the most thoroughly searched icefield to date. A total of 1752 meteorite specimens have been collected from the Lewis Cliff icefields. Three meteorite location maps have been produced for the Lewis Cliff meteorite stranding surfaces. West of the Lewis Cliff, at the head of the Law Glacier, significant numbers of meteorites have been produced from icefields in the MacAlpine Hills area. A meteorite location map for the MacAlpine Hills area will not be produced until the area has been completely and systematically searched. The location of these areas and the areas covered by the published meteorite location maps are shown on Fig. 26. One meteorite, BOW 85800, has been found on the Bowden Névé of the Law Glacier and is approximately located in Fig. 21.

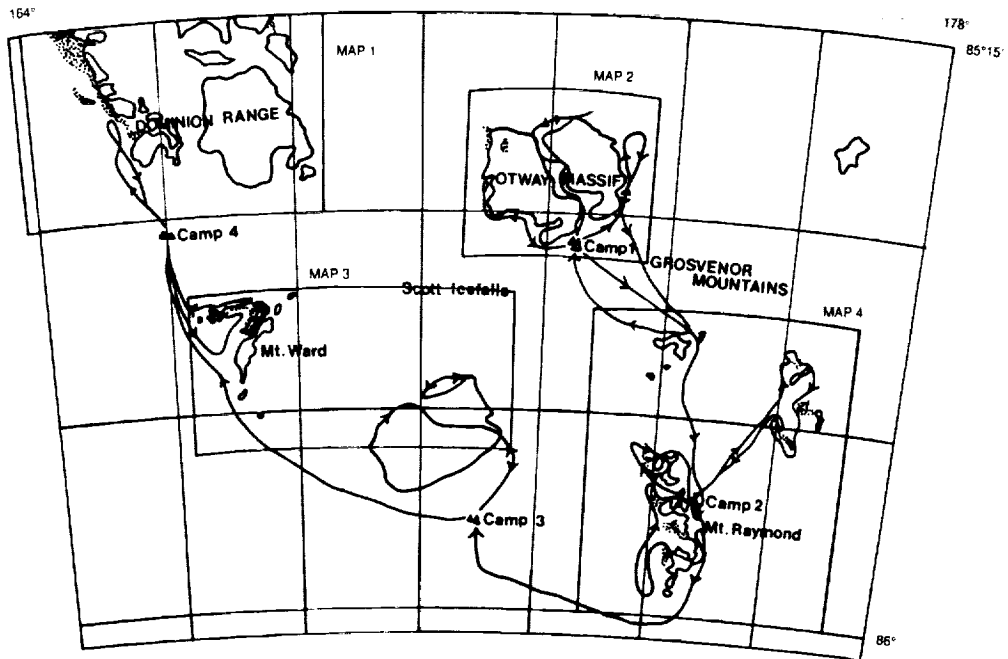


Fig. 22. Map 1: Locations of meteorites found in the Dominion Range area, Beardmore region.

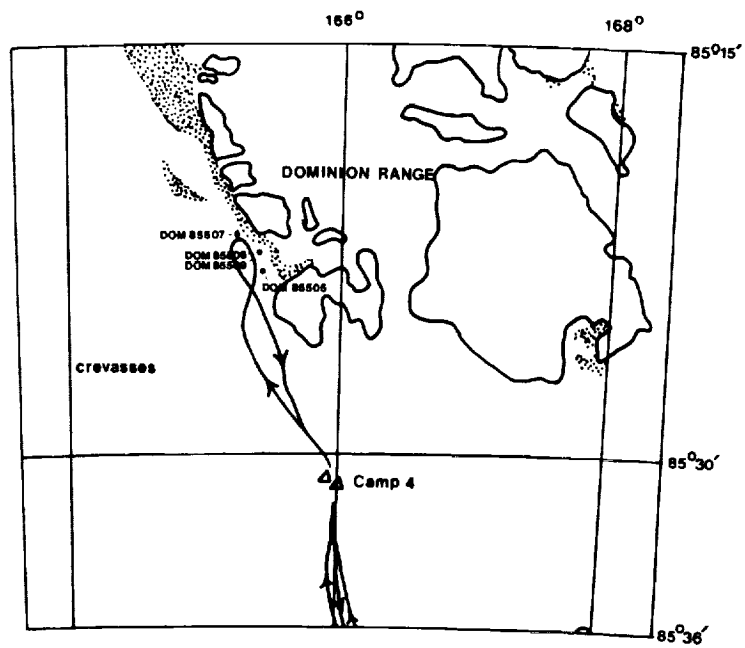


Fig. 23. Map 2: Locations of meteorites found in the Otway Massif area, Beardmore region.

## DOMINION RANGE AND GROSVENOR MOUNTAINS ICEFIELDS

The Grosvenor Mountains ( $85^{\circ}40'S$ ,  $175^{\circ}00'E$ ) and the Dominion Range ( $85^{\circ}20'S$ ,  $166^{\circ}30'E$ ) are relatively small groups of mountains and nunataks situated at the head of the Beardmore Glacier. Many bare ice areas are adjacent to the nunataks and along other ice escarpments. The area is covered by the 1:250,000-scale U.S.G.S. Plunket Point quadrangle. The upper reaches of the Beardmore Glacier were explored for meteorites during the 1985–1986 field season. A full account of the activities from that season can be found in Cassidy (1992). Thirty-two meteorites were found in widely scattered areas. Figure 22 shows the area explored by the field team and their traverse route.

The locations of the meteorites were not determined by survey or GPS methods and must therefore be considered approximate.

Sketch maps, with meteorite locations indicated, are found in Figs. 23–26. These maps, originally published in Cassidy (1992), have been corrected based upon information that became available subsequent to when the original maps were produced. The meteorite listing indicates on which maps the specimen locations can be found.

**Acknowledgments:** P. Englert, T. Thomas, and C. Thompson were involved in the 1985–1986 reconnaissance searches.

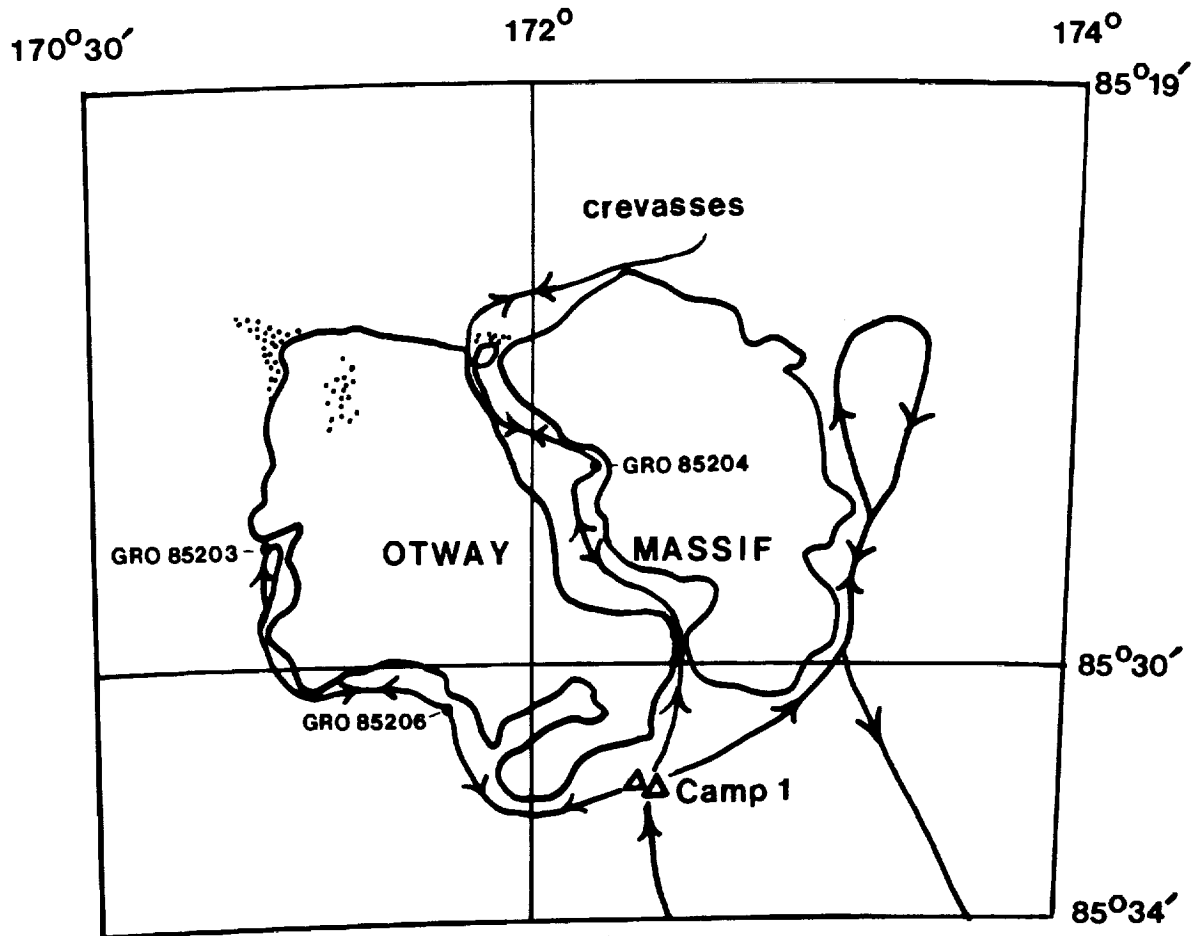


Fig. 24. Map 3: Locations of meteorites found in the Mt. Ward area, Dominion Range and Upper Mill Glacier, Grosvenor Mountains, Beardmore region.

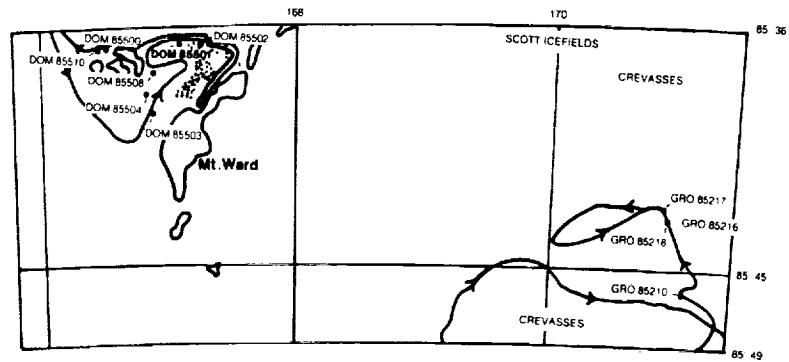


Fig. 25. Map 4: Locations of meteorites found in the Mt. Raymond area, Grosvenor Mountains, Beardmore region.

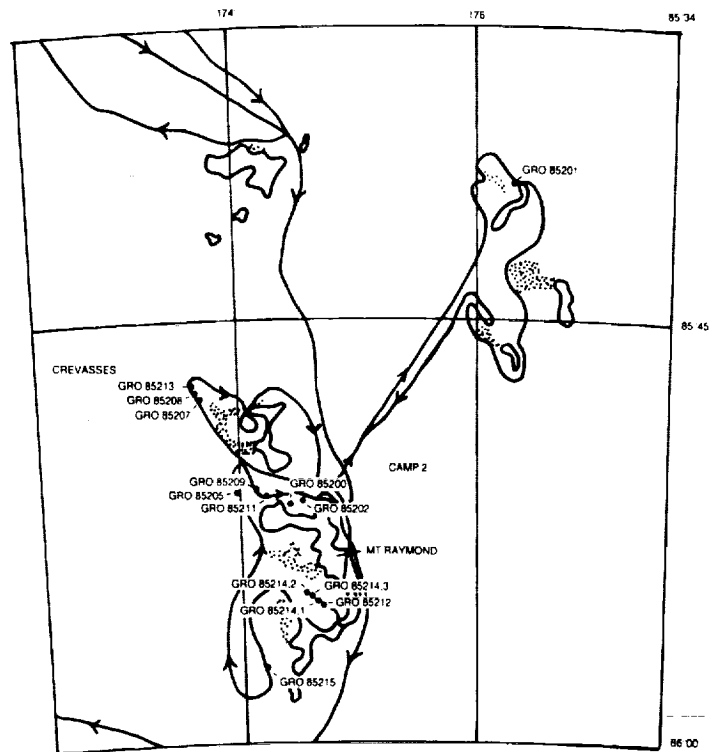


Fig. 26. Map of the Walcott Nève-Law Glacier area of the Beardmore region showing the areas covered by the Lewis Cliff Area Meteorite Location Map and the Queen Alexandra Range-Goodwin Nunataks Area Meteorite Location Map. Also shown are the approximate locations of LEW and QUE meteorites not included on the meteorite location maps. Base map is the U.S.G.S. 1:250,000-scale Buckley Island quadrangle.

Listing of meteorites recovered from the Dominion Range and Grosvenor Mountains Icefields  
(1985-1986 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
DOM 85500	H-5 chondrite	59.8	3	9(3)
DOM 85501	H-5 chondrite	126.2	3	10(1)
DOM 85502	L-6 chondrite	302.2	3	10(1)
DOM 85503	L-6 chondrite	719.7	3	10(1)
DOM 85504	L-4 chondrite	120.6	3	10(1)
DOM 85505	LL-5 chondrite	31.4	1	10(2)
DOM 85506	LL-5 chondrite	58.8	1	10(2)
DOM 85507	H-5 chondrite	189.9	1	10(2)
DOM 85508	H-6 chondrite	14.0	3	10(2)
DOM 85509	L-6 chondrite	76.1	1	10(2)
DOM 85510	L-6 chondrite	31.7	3	10(2)
GRO 85200	H-5 chondrite	3821.6	4	9(3)
GRO 85201	Iron	1400.7	4	10(2)
GRO 85202	Carbonaceous C2	27.2	4	9(3)
GRO 85203	H-5 chondrite	1450.4	2	10(1)
GRO 85204	L-6 chondrite	1754.7	2	10(1)
GRO 85205	L-6 chondrite	999.9	4	10(1)
GRO 85206	H-5 chondrite	2420.1	2	10(1)
GRO 85207	L-6 chondrite	2372.1	4	10(1)
GRO 85208	L-6 chondrite	1356.9	4	10(1)
GRO 85209	L-6 chondrite	1126.1	4	10(1)
GRO 85210	H-5 chondrite	246.8	3	10(1)
GRO 85211	H-5 chondrite	355.3	4	10(1)
GRO 85212	L-4 chondrite	342.2	4	10(1)
GRO 85213	L-6 chondrite	4364.4	4	10(1)
GRO 85214,1	L-5 chondrite	149.4	4	10(2)
GRO 85214,2	L-5 chondrite	52.1	4	10(2)
GRO 85214,3	L-5 chondrite	58.3	4	10(2)
GRO 85215	L-5 chondrite	35.2	4	10(2)
GRO 85216	L-5 chondrite	12.5	3	10(2)
GRO 85217	L-5 chondrite	33.6	3	10(2)
GRO 85218	H-6 chondrite	6.8	3	10(2)



Fig. 27. Oblique aerial photo looking southwest toward Goodwin Nunataks in the upper far left. The Foggy Bottom area is left of the nunataks in the upper center (U.S.G.S./U.S. Navy photo TMA765-318-F33).

e-2



## QUEEN ALEXANDRA RANGE-GOODWIN NUNATAKS AREA

The Queen Alexandra Range is an impressive range of mountains situated in the Beardmore Region of the Transantarctic Mountains with peaks rising to 4000 m. The Beardmore Glacier lies to the east and parallels the range; the Walcott Névé and Lewis Cliff areas are to the west. At the head of the Walcott Névé, some 40 km southeast of the Lewis Cliff Ice Tongue, is a series of ice patches, ice-cored moraines, and nunataks extending a distance of 15 km southwestward from the Queen Alexandra Range to the Goodwin Nunataks (Fig. 21). The ice escarpment along which these features are situated turns northward at Goodwin Nunataks and continues to the Lewis Cliff, marking an apparent cirque rim that defines the Walcott Névé. Figure 27 is an aerial photo of the Goodwin Nunataks area.

The Goodwin Nunataks area was first visited during a reconnaissance search in the 1986-1987 field season. Only one meteorite was recovered at that time, but many were seen. In the 1988-1989 season searches were made of bare ice in the Gordon Valley area along the eastern edge of the Walcott Névé, 32 km northeast of the Goodwin Nunataks. Two meteorites, QUE 88400 and QUE 88401, were discovered and collected. Their approximate locations are shown on Fig. 21. Systematic searching of the ice in the Goodwin Nunataks area began in the 1990-1991 season. A total of 86 meteorite specimens was recovered from the nunataks around the Foggy Bottom site (an informal name) and from the next series of ice patches to the northeast. To date the area has not been completely searched. Table 8 is a tabulation of types of meteorites and their numbers from the Queen Alexandra Range Icefields.

The Queen Alexandra-Goodwin Nunataks Meteorite Location Map is plotted at a scale of 1:20,000 in the polar stereographic projection. The area covered by the map is shown in Fig. 21 and a reduced example of the map is given in Fig. 28. The grid cells are defined by latitude and

longitude intervals of 1 minute of latitude and 10 minutes of longitude. All the meteorites recovered from the 1986-1987 and 1990-1991 seasons are plotted on the map. No ice/firn boundaries delineating the bare ice areas could be plotted due to the lack of appropriate air photos, satellite images, or ground control. The topographic contours and the moraine and outcrop areas were digitized from the 1:250,000-scale U.S.G.S. Buckley Island quadrangle, and are very generalized.

The locations of the meteorites were determined by using GPS receivers and averaging 30 fixes. The accuracies of these positions about  $\pm 20$  m at worst.

TABLE 8. Tabulation of meteorite types from the Queen Alexandra Range icefields (1987, 1988, and 1990 collections).

Number of Specimens	Classification
4	H-5 chondrite
1	H-4 chondrite
6	H-6 chondrite
73	L-5 chondrite
4	L-6 chondrite
1	Mesosiderite
89	Total

**Acknowledgments:** A. Marden, L. Lindner, K. Yanai, and C. Koeberl helped conduct the initial reconnaissance searches in the 1986-1987 season. R. Harvey, J. Fitzpatrick, R. Fudali, and F. Vilas were members of the 1987-1988 field party. M. Burger and R. Walker were members of the 1990-1991 field party. We thank them for their contributions to meteorite collection and mapping efforts in the Queen Alexandra Range area.

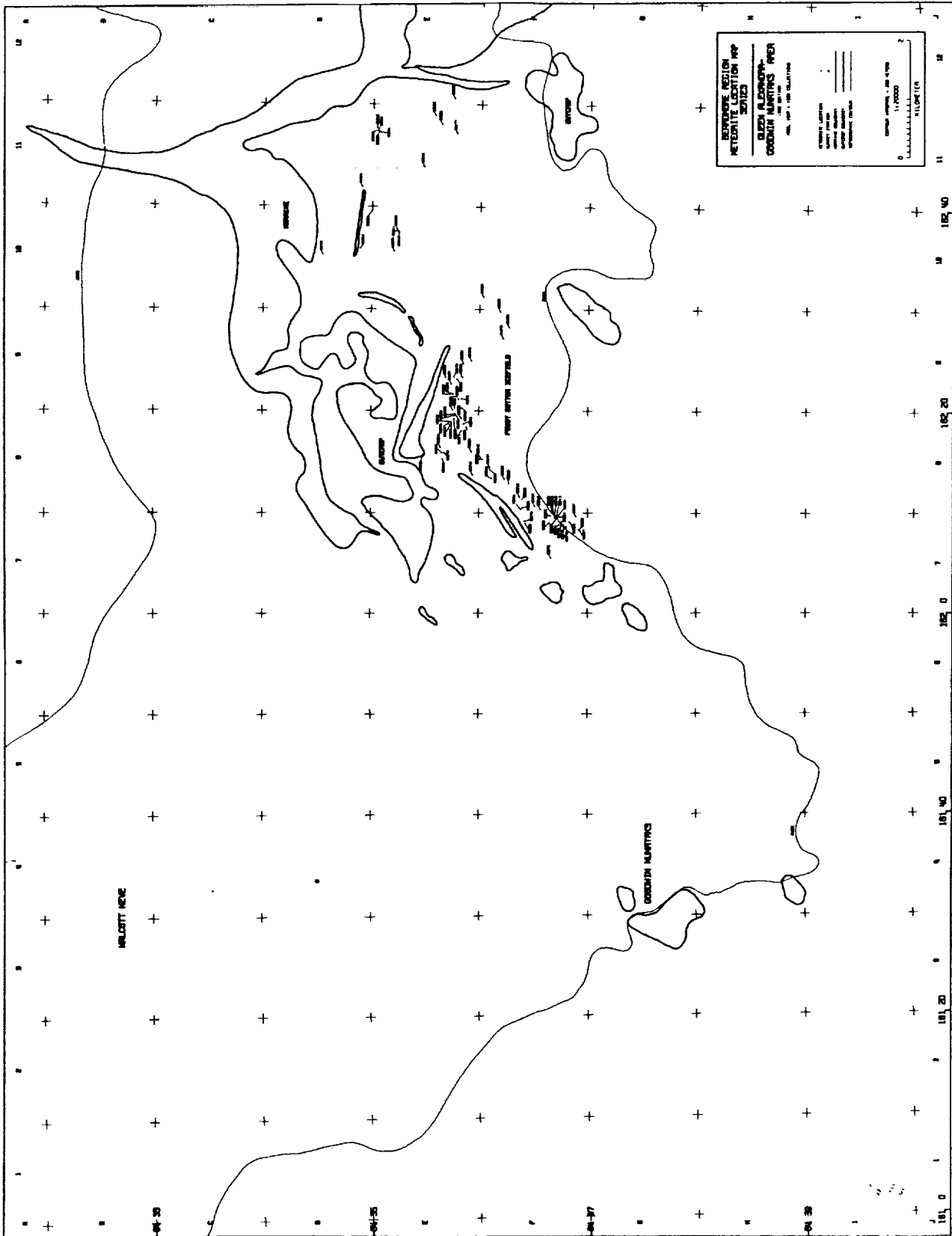


Fig. 28. Reduced example of the Queen Alexandra Range-Goodwin Nunataks Area Meteorite Location Map.

Listing of meteorites recovered from the Queen Alexandra Range Icefields  
(1986, 1987, and 1990 collections).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
QUE 86900	Mesosiderite	1532.3	F-9	10(2)
QUE 87400	L-6 chondrite	118.7	GV	12(1)
QUE 87401	L-6 chondrite	4866.2	GV	12(1)
QUE 90200	H-4 chondrite	9216.7	E-8	14(2)
QUE 90201	H-5 chondrite	1282.5	E-9	14(2)
QUE 90202	H-5 chondrite	440.0	E-9	14(2)
QUE 90203	H-6 chondrite	1132.1	E-11	15(1)
QUE 90204	H-6 chondrite	334.6	F-7	15(1)
QUE 90205	L-5 chondrite	458.5	E-8	15(1)
QUE 90206	L-5 chondrite	548.9	E-9	15(1)
QUE 90207	L-5 chondrite	366.9	F-8	15(1)
QUE 90208	L-5 chondrite	811.6	E-9	15(1)
QUE 90209	L-5 chondrite	560.4	E-9	15(1)
QUE 90210	L-5 chondrite	316.1	F-8	15(1)
QUE 90211	L-5 chondrite	436.3	E-10	15(1)
QUE 90212	L-5 chondrite	607.4	E-10	15(1)
QUE 90213	L-5 chondrite	389.0	E-10	15(1)
QUE 90214	L-5 chondrite	571.3	F-8	15(1)
QUE 90215	L-5 chondrite	358.9	F-8	15(1)
QUE 90216	L-5 chondrite	359.3	F-8	15(1)
QUE 90217	L-5 chondrite	327.7	E-9	15(1)
QUE 90218	L-5 chondrite	926.5	F-8	15(1)
QUE 90219	L-5 chondrite	316.0	F-7	15(1)
QUE 90220	L-6 chondrite	377.4	F-11	15(2)
QUE 90221	L-5 chondrite	432.7	E-9	15(1)
QUE 90222	L-6 chondrite	476.8	E-12	15(1)
QUE 90223	H-6 chondrite	329.5	F-10	15(2)
QUE 90224	L-5 chondrite	245.8	F-8	15(1)
QUE 90225	L-5 chondrite	325.5	F-8	15(1)
QUE 90226	L-5 chondrite	302.0	F-7	15(1)
QUE 90227	L-5 chondrite	200.1	E-8	15(1)
QUE 90228	H-6 chondrite	244.7	F-9	15(1)
QUE 90229	L-5 chondrite	307.6	F-8	15(1)
QUE 90230	L-5 chondrite	236.3	E-9	15(1)
QUE 90231	L-5 chondrite	169.2	E-11	15(1)
QUE 90232	L-5 chondrite	181.9	E-10	15(1)
QUE 90233	L-5 chondrite	157.4	E-8	15(1)
QUE 90234	L-5 chondrite	333.2	E-8	15(1)
QUE 90235	L-5 chondrite	178.8	E-8	15(1)
QUE 90236	L-5 chondrite	187.1	E-8	15(1)
QUE 90237	L-5 chondrite	301.8	F-7	15(1)
QUE 90238	L-5 chondrite	205.1	E-8	15(1)
QUE 90239	L-5 chondrite	168.2	E-11	15(1)
QUE 90240	L-5 chondrite	115.8	E-11	15(1)
QUE 90241	L-5 chondrite	69.3	F-8	15(1)
QUE 90242	L-5 chondrite	212.5	F-8	15(1)
QUE 90243	L-5 chondrite	245.9	F-7	15(1)
QUE 90244	L-5 chondrite	152.4	E-8	15(1)
QUE 90245	L-5 chondrite	117.6	F-7	15(1)
QUE 90246	L-5 chondrite	103.1	E-8	15(1)
QUE 90247	L-5 chondrite	131.2	F-7	15(1)
QUE 90248	L-5 chondrite	153.9	E-8	15(1)
QUE 90249	L-5 chondrite	150.7	F-8	15(1)
QUE 90250	L-5 chondrite	150.7	E-9	15(2)
QUE 90251	L-5 chondrite	126.6	E-8	15(2)
QUE 90252	L-5 chondrite	253.4	F-7	15(2)

Listing of meteorites recovered from the Queen Alexandra Range Icefields  
(1986, 1987, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
QUE 90253	L-5 chondrite	115.9	E-8	15(2)
QUE 90254	L-5 chondrite	166.9	E-10	15(2)
QUE 90255	H-6 chondrite	99.5	E-10	15(2)
QUE 90256	L-5 chondrite	166.0	F-8	15(2)
QUE 90257	L-5 chondrite	104.0	E-9	15(2)
QUE 90258	L-5 chondrite	126.5	F-7	15(2)
QUE 90259	L-5 chondrite	178.5	F-7	15(2)
QUE 90260	L-5 chondrite	131.2	E-9	15(2)
QUE 90261	L-5 chondrite	125.5	F-7	15(2)
QUE 90263	L-5 chondrite	105.8	E-8	15(2)
QUE 90264	L-5 chondrite	109.3	E-10	15(2)
QUE 90265	L-5 chondrite	141.3	E-9	15(2)
QUE 90266	L-5 chondrite	87.6	F-7	15(2)
QUE 90267	L-5 chondrite	98.0	F-7	15(2)
QUE 90268	L-5 chondrite	75.2	E-9	15(2)
QUE 90269	L-5 chondrite	54.0	E-8	15(2)
QUE 90270	L-5 chondrite	78.0	E-8	15(2)
QUE 90271	L-5 chondrite	79.8	F-7	15(2)
QUE 90272	L-5 chondrite	109.2	F-7	15(2)
QUE 90273	L-5 chondrite	64.1	E-9	15(2)
QUE 90274	L-5 chondrite	99.5	E-8	15(2)
QUE 90275	L-5 chondrite	45.7	F-7	15(2)
QUE 90276	H-5 chondrite	65.7	F-7	15(2)
QUE 90277	H-6 chondrite	26.0	E-11	15(2)
QUE 90278	H-5 chondrite	16.7	F-9	15(2)
QUE 90279	L-5 chondrite	8.9	F-7	15(2)
QUE 90280	L-5 chondrite	7.5	E-8	15(2)
QUE 90281	L-5 chondrite	29.3	F-7	15(2)
QUE 90282	L-5 chondrite	236.8	E-11	15(2)
QUE 90283	L-5 chondrite	93.0	E-11	15(2)
QUE 90284	L-5 chondrite	85.7	E-11	15(2)
QUE 90285	L-5 chondrite	179.1	E-11	15(2)
QUE 90286	L-5 chondrite	429.3	F-7	15(2)

GV indicates Gordon Valley area findsite. See text and Fig. 26.

## LEWIS CLIFF ICEFIELDS

The icefields of the Lewis Cliff area have proved to be one of the most prolific meteorite stranding sites in the Transantarctic Mountains and one of the most difficult ones to search. Because of the high density of terrestrial rocks on the ice surface, two-thirds of what we refer to as the Lewis Cliff Ice Tongue was searched on foot over four field seasons. (It is interesting to note that the density of meteorites on the Ice Tongue correlates well with the area of highest terrestrial rock density.) Ice appears to flow off the polar plateau over the Lewis Cliff escarpment and into Walcott Névé. Some of this ice is funneled into the narrow channel of the Lewis Cliff Ice Tongue. Approximately 30–35 km<sup>2</sup> of ice is exposed in the Lewis Cliff area. About 2.5 km at its widest and approximately 8 km long, the Ice Tongue terminates against a vast expanse of undulating ice-cored moraines below Mt. Achnernar. Figure 29 shows an aerial view of the Ice Tongue. A topographic step with 75-m relief divides the Ice Tongue into two sections, which we refer to as the lower Ice Tongue and the upper Ice Tongue. A north-south longitudinal profile down the center of the Ice Tongue is shown in Fig. 30.

One area of ice-cored moraine situated below a steep ice slope to the east of the Ice Tongue had abundant meteorite fragments intermixed with the terrestrial rocks. We refer to this area as Meteorite Moraine. To date, 259 meteorite fragments have been found within or immediately adjacent to the moraine and upwind of it. From the South Lewis Cliff Icefield, south and upstream of the Ice Tongue, 137 meteorite specimens were recovered. A scattering of meteorites was found on other smaller ice patches in the area. The locations of meteorites that were found either outside the area covered by the meteorite location maps or out of the survey area are indicated on Fig. 26. The listing is a tabulation of the 1752 meteorites from the Lewis Cliff icefields. All but two of the Lewis Cliff meteorites have been described and classified to date. Additional descriptions of the Lewis Cliff area can be found in *Cassidy et al.* (1992). Table 9 is a tabulation of meteorite types and their numbers from the Lewis Cliff Icefields.

Three meteorite location maps show the distribution of meteorites recovered during the 1985–1986, 1986–1987, 1987–1988, 1988–1989, and 1990–1991 field seasons from the Lewis Cliff stranding surfaces. The area covered by these maps is shown on Fig. 26 and reduced examples of the maps are given in Figs. 31–33. The maps are plotted in the polar stereographic projection. Except for the Meteorite Moraine specimens, nearly all the meteorites were surveyed using theodolite and EDM methods. Most of the meteorites from Meteorite Moraine were located relative to a local grid tied to the survey network.

### Lewis Cliff Ice Tongue Map, North and South Sections

Most of the meteorites recovered from the Lewis Cliff area have been found on the Lewis Cliff Ice Tongue. Because of the density of meteorite occurrence, two maps at a scale of 1:5000 were required to show the detail. The North Section map covers the lower Ice Tongue and the South Section the upper Ice Tongue. The “street map” grid cell feature is slightly different from other maps of areas farther north. On the Lewis Cliff maps, the grid cells are defined by geographic latitude and longitude instead of a metric UTM grid as those in the Allan Hills/David Glacier Region Map Series. The interval between the grid cells is 15 seconds of latitude and 2.5 minutes of longitude. The letter component of the grid cell designation for the two maps is prefixed by N or S depending on whether the meteorite is located on the North or South section maps. These letters are found on the left or right sides of the map and begin with NA at the top of the North Section Map and run continuously to SR at the bottom of the South Section Map. No names have been plotted for most of the meteorites found in the high-density occurrence at Meteorite Moraine. These meteorites are indicated by an asterisk next to the grid cell reference in the meteorite listing table.

### Lewis Cliff Area Map

The Lewis Cliff Area Meteorite Location Map shows the names and locations of meteorites found outside the area covered by the Lewis Cliff Ice Tongue, North and South Sections. Most of these were found on the South Lewis Cliff Icefield. This map is plotted at a scale of 1:20,000. The grid cell “distance” for this map is an interval of 1 minute of latitude and 10 minutes of longitude. The grid cell letter designations are prefixed with an A to separate them from the N (north) and S (south) designations of meteorites found on the Ice Tongue maps. Therefore, if a meteorite has a grid cell designation of AE-4 it can be found on the Area Map. If it has an NF-4 it will be found on the Ice Tongue, North Section Map. None of the names of meteorites found on the Ice Tongue maps are plotted, but all locations of those meteorites are indicated.

One meteorite, LEW 87016, actually consisted of two specimens found approximately 195 m apart. The name LEW 87024 was originally given to the northerly, or downwind specimen. This is shown on the present map edition. Subsequently the samples were paired and a common name, LEW 87016, was given. No weight data for each individual specimen was preserved. Therefore the name of

TABLE 9. Tabulation of meteorite types from the Lewis Cliff Icefields (1985–1988 and 1990 collections).

Number of Specimens	Classification
1	Achondrite (Brachina-like)
1	Achondrite (?)
2	Angrite
10	Aubrite
1	Carbonaceous (ungrouped)
27	Carbonaceous C2
1	Carbonaceous C2R
1	Carbonaceous C3V
3	Carbonaceous C4
1	Carbonaceous C6
3	Diogenite
6	E-3 chondrite
4	E-6 chondrite
13	Eucrite
3	Eucrite (unbrecciated)
1	Eucrite (brecciated)
1	Fusion crust-H chondrite?
13	H-3 chondrite
58	H-4 chondrite
715	H-5 chondrite
312	H-6 chondrite
5	Howardite
1	Iron
1	Iron, group IIICD
2	Iron with silicate inclusions
1	Iron (ungrouped)
2	Iron anomalous
2	Iron anomalous (ungrouped)
47	L-3 chondrite
38	L-4 chondrite
63	L-5 chondrite
321	L-6 chondrite
4	LL-4 chondrite
2	L-6 chondrite breccia
13	LL-3 chondrite
7	LL-5 chondrite
49	LL-6 chondrite
2	Mesosiderite
1	Lodranite
2	Metal fragment
1	Metal from H chondrite
1	Shergottite
10	Ureilite
1752	Total

the meteorite is duplicated as LEW 87016,0 and LEW 87016,0 as is shown in the meteorite listing and the database. The duplicate name will be indicated as such on future editions of the map. The total mass of the combined specimens is 16.8 g.

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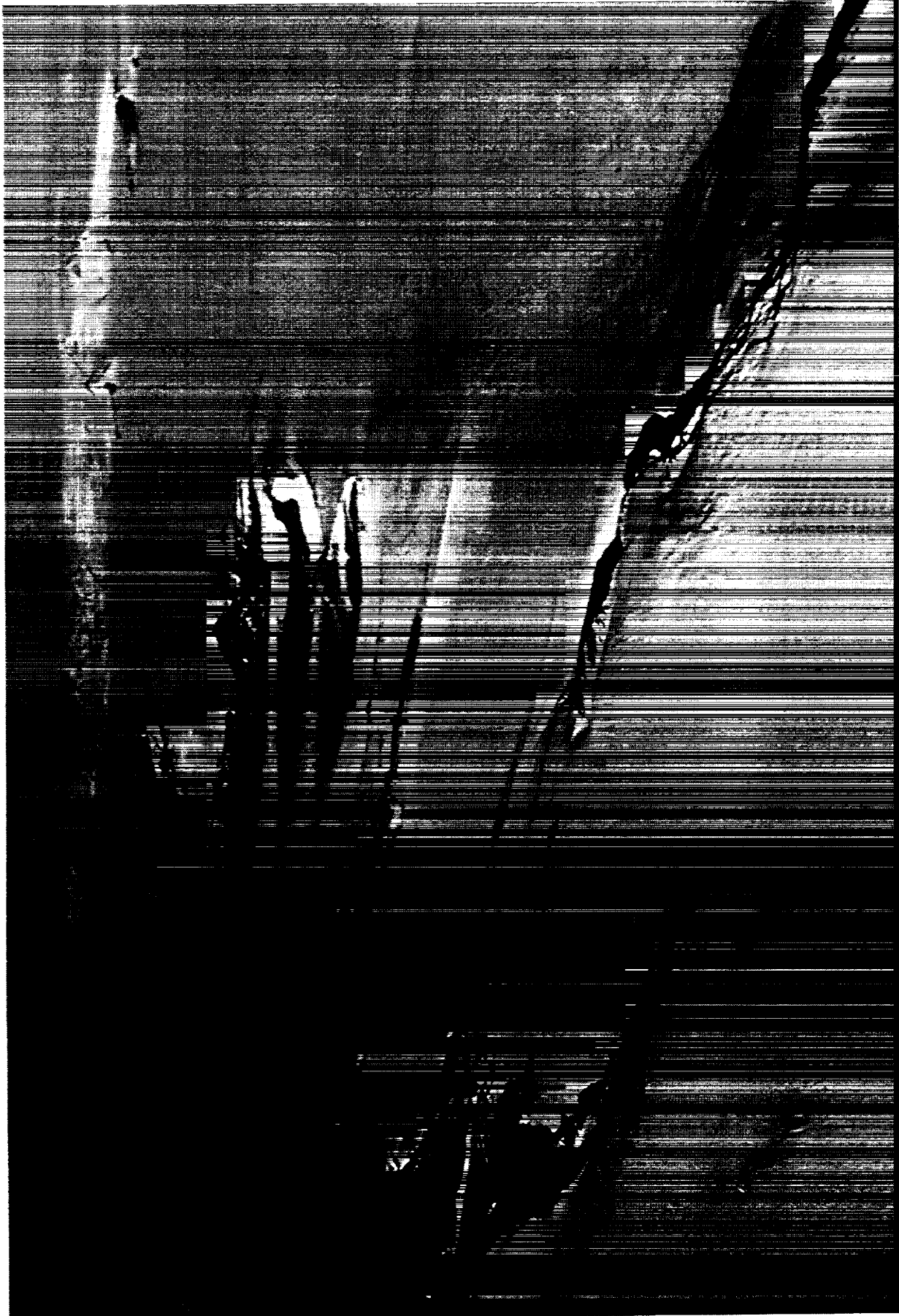


Fig. 29. Oblique aerial view looking northeastward over the Lewis Cliff Ice Tongue.

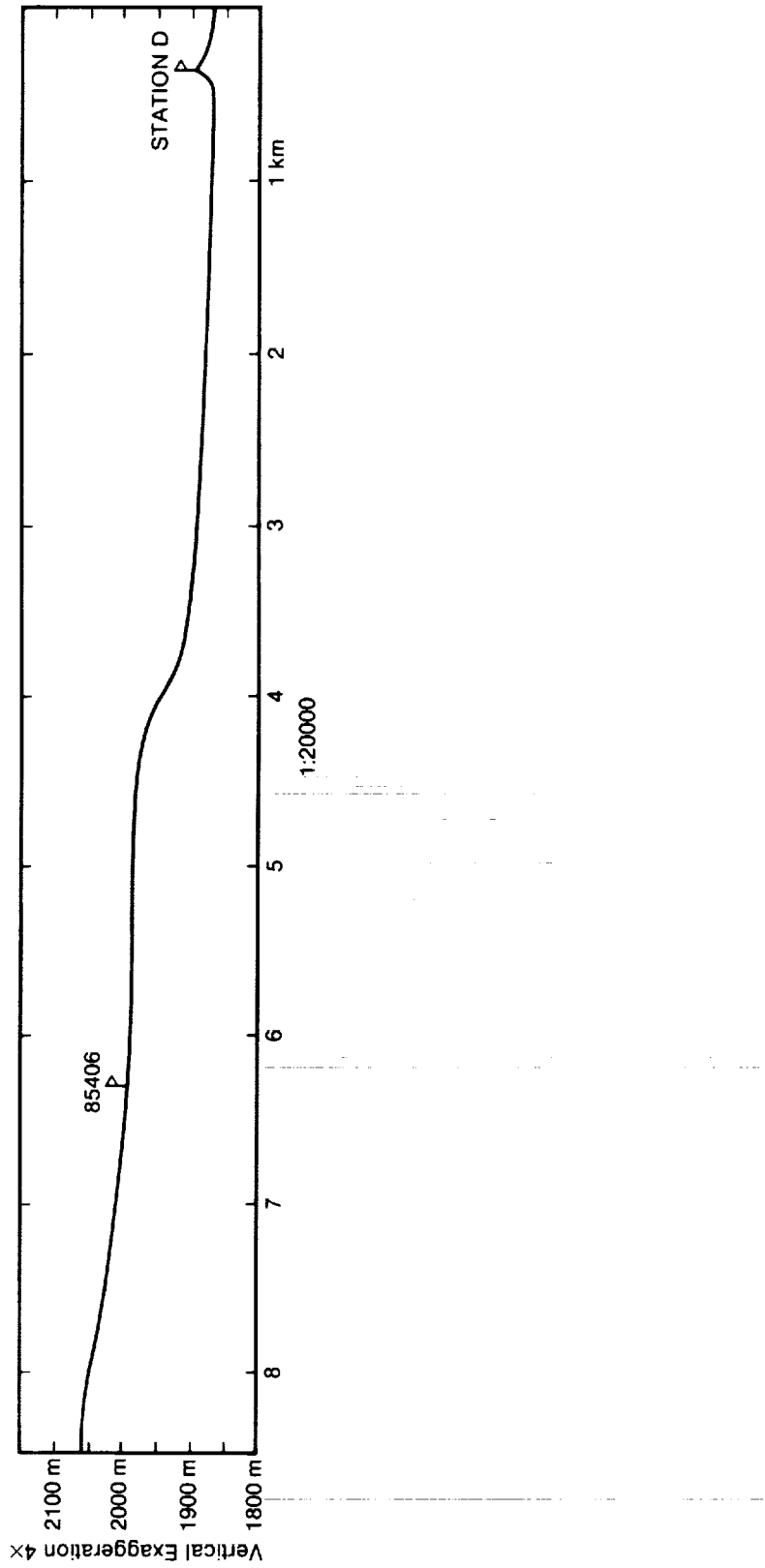


Fig. 30. North-south slope profile of the Lewis Cliff Ice Tongue, looking west.



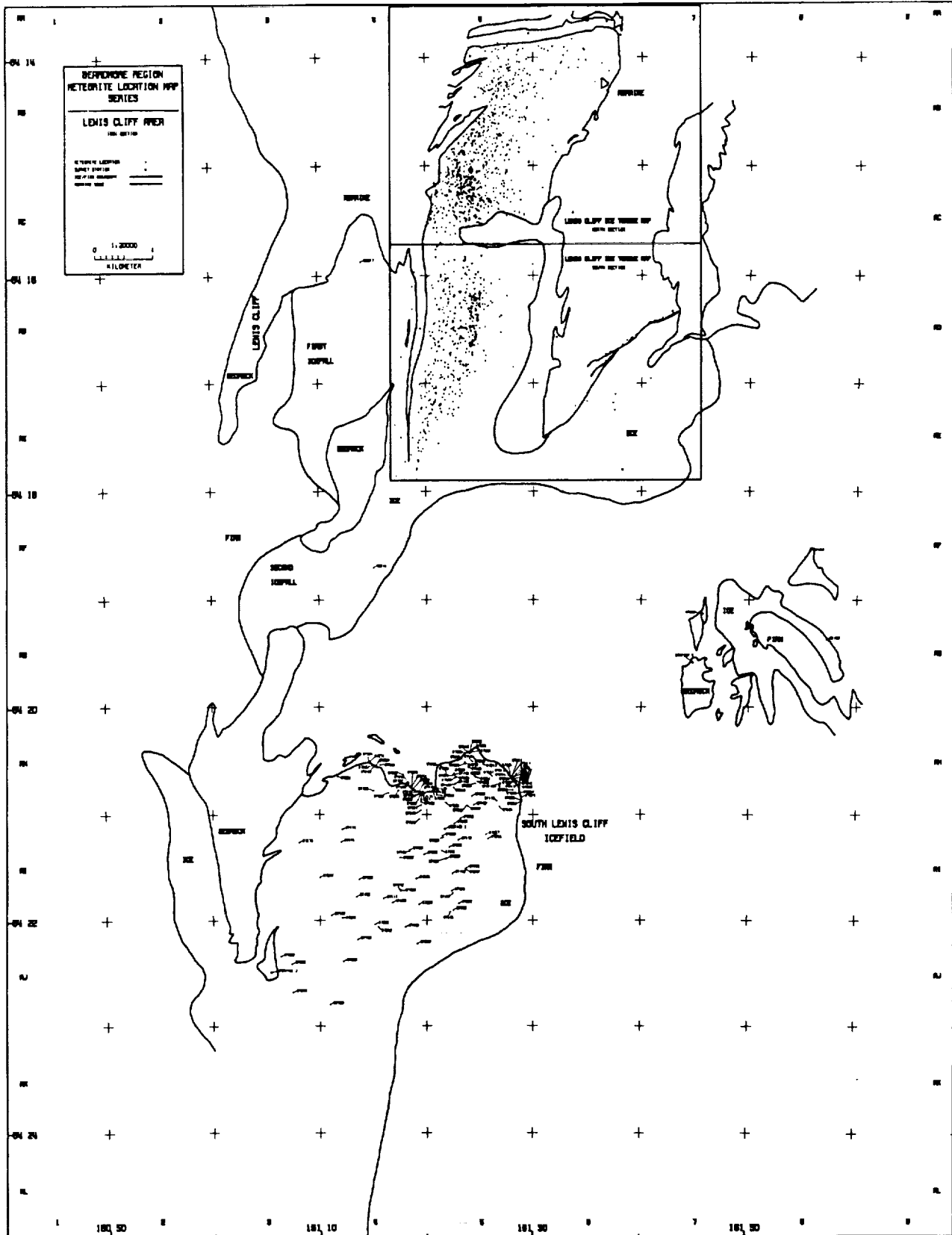


Fig. 31. Reduced example of the Lewis Cliff Area Meteorite Location Map.

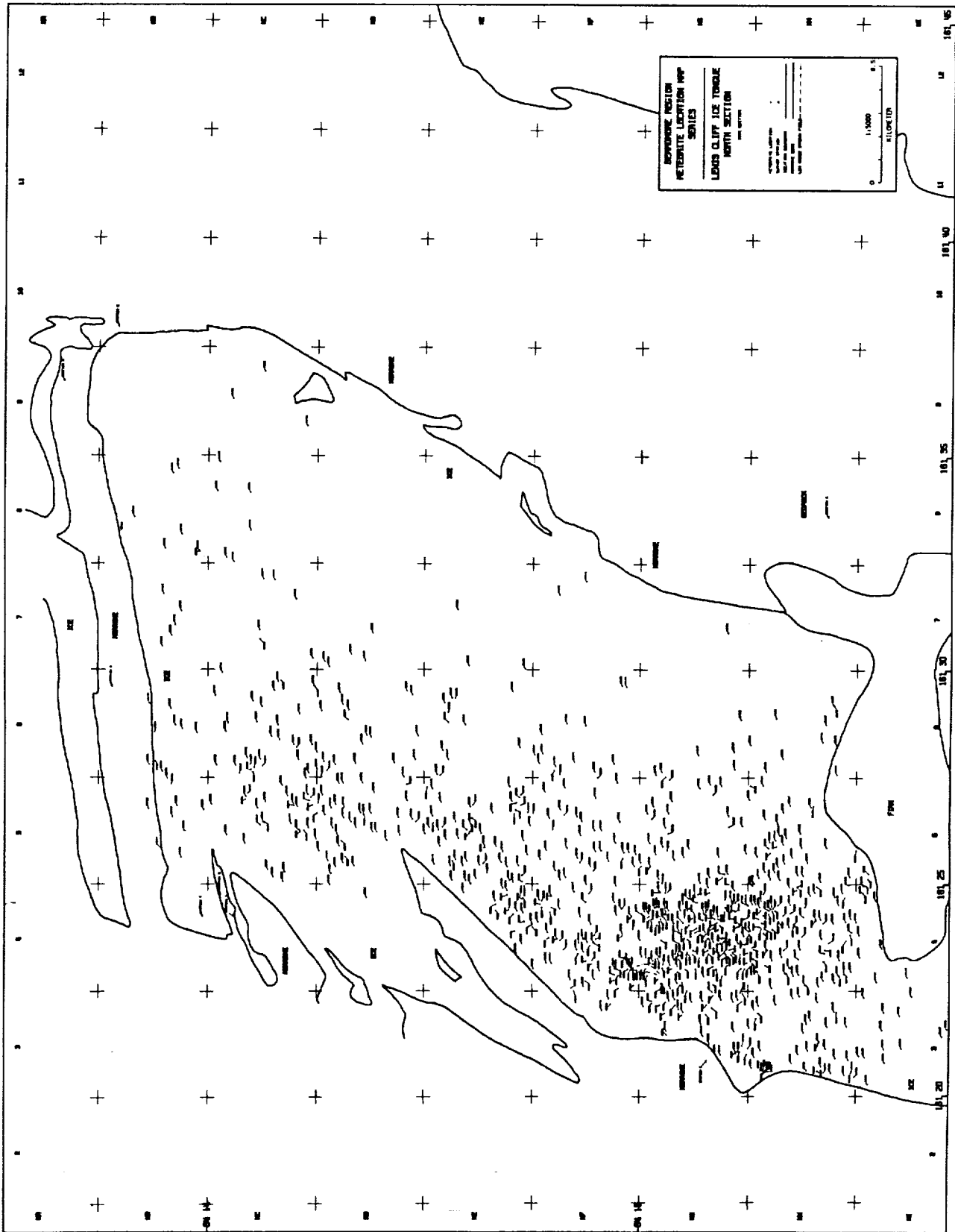


Fig. 32. Reduced example of the Lewis Cliff Ice Tongue, North Section Meteorite Location Map.

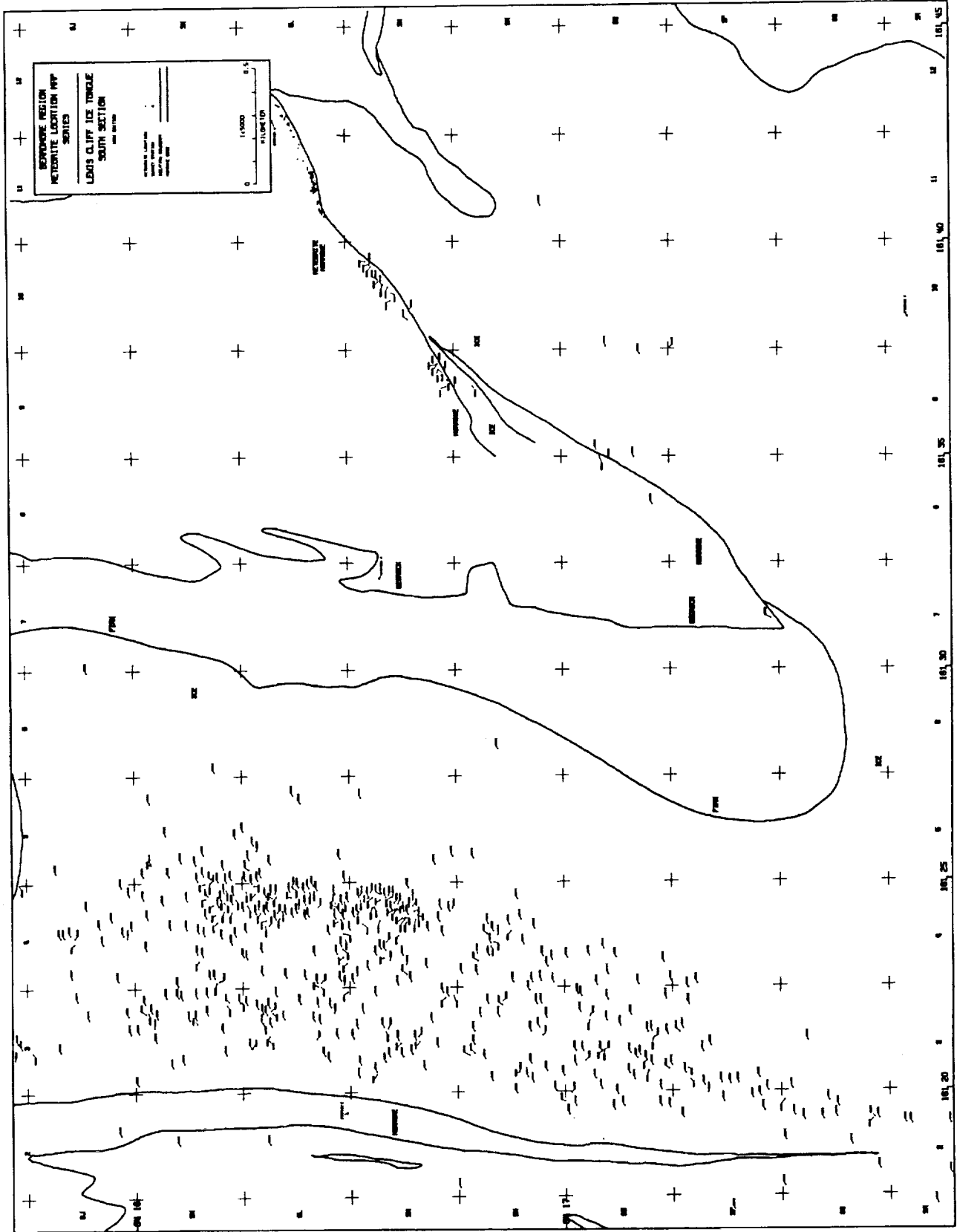


Fig. 33. Reduced example of the Lewis Cliff Ice Tongue, South Section Meteorite Location Map.

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 85300	Eucrite	210.3	SQ-2	9(3)
LEW 85301	H-6 chondrite	13.1	SO-3	10(2)
LEW 85302	Eucrite	114.5	SK-3	9(3)
LEW 85303	Eucrite	408.0	SJ-4	9(3)
LEW 85305	Eucrite	40.8	SO-3	9(3)
LEW 85306	Carbonaceous C2	6.5	SN-3	9(3)
LEW 85307	Carbonaceous C2	1.7	SM-4	10(1)
LEW 85309	Carbonaceous C2	54.1	SN-11	9(3)
LEW 85311	Carbonaceous C2	199.5	SK-6	9(3)
LEW 85312	Carbonaceous C2	31.7	SL-5	9(3)
LEW 85313	Howardite	191.2	SP-3	9(3)
LEW 85314	H-5 chondrite	14.0	SL-4	10(1)
LEW 85315	H-6 chondrite	10.2	SO-3	10(1)
LEW 85316	H-5 chondrite	34.3	SM-4	10(1)
LEW 85317	L-4 chondrite	8.7	SL-3	9(3)
LEW 85318	H-5 chondrite	152.2	?	10(1)
LEW 85319	H-5 chondrite	11,491.0	SJ-4	10(1)
LEW 85320	H-5 chondrite	110,224.0	SI-4	9(3)
LEW 85321	L-6 chondrite	527.0	SR-2	10(1)
LEW 85322	H-6 chondrite	582.0	SL-4	10(1)
LEW 85323	L-6 chondrite	874.4	?	10(1)
LEW 85324	H-5 chondrite	514.1	SO-3	10(1)
LEW 85325	L-6 chondrite	536.9	SP-10	10(1)
LEW 85326	H-5 chondrite	224.7	SO-4	10(1)
LEW 85327	H-5 chondrite	439.4	SJ-2	10(2)
LEW 85328	Ureilite	106.8	SO-9	10(1)
LEW 85329	H-6 chondrite	169.6	?	10(1)
LEW 85330	H-6 chondrite	67.0	SK-3	12(1)
LEW 85331	H-6 chondrite	54.3	SN-3	12(1)
LEW 85332	Carbonaceous (ungrouped)	113.7	SP-3	10(1)
LEW 85333	L-4 chondrite	47.9	SQ-2	10(1)
LEW 85334	H-5 chondrite	177.0	SK-4	12(1)
LEW 85335	H-6 chondrite	106.7	SO-3	12(1)
LEW 85336	H-5 chondrite	60.0	SO-4	12(1)
LEW 85337	H-6 chondrite	57.4	SL-3	10(2)
LEW 85338	H-5 chondrite	99.4	SJ-4	12(1)
LEW 85339	L-3 chondrite	28.8	SO-3	12(3)
LEW 85340	L-5 chondrite	102.7	SO-3	10(2)
LEW 85341	H-5 chondrite	76.1	SO-3	12(1)
LEW 85342	H-5 chondrite	6.9	SM-4	12(3)
LEW 85343	L-4 chondrite	78.0	SL-5	12(1)
LEW 85344	H-5 chondrite	2.8	SM-4	12(3)
LEW 85345	H-5 chondrite	32.2	SL-4	10(1)
LEW 85346	L-6 chondrite	30.2	SN-3	13(2)
LEW 85347	H-5 chondrite	31.2	SM-4	12(3)
LEW 85348	H-6 chondrite	31.0	SM-4	12(3)
LEW 85349	L-6 chondrite	17.3	SM-4	12(3)
LEW 85350	L-4 chondrite	24.2	SM-4	12(3)
LEW 85351	H-4 chondrite	12.1	SJ-4	12(3)
LEW 85352	H-5 chondrite	9.2	SM-4	12(3)
LEW 85353	Eucrite	24.5	SL-4	10(1)
LEW 85354	L-6 chondrite	12.1	SM-4	12(3)
LEW 85355	H-5 chondrite	5.5	SO-3	10(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 85356	L-6 chondrite	8.1	SL-4	10(2)
LEW 85357	H-5 chondrite	61.4	SN-4	12(1)
LEW 85358	H-5 chondrite	14.1	SN-4	10(2)
LEW 85359	H-6 chondrite	17.5	SJ-6	12(3)
LEW 85360	L-6 chondrite	12.7	SM-3	12(3)
LEW 85361	L-6 chondrite	4.2	SL-4	10(1)
LEW 85362	H-6 chondrite	14.5	SK-3	13(2)
LEW 85363	L-5 chondrite	44.0	SK-4	13(2)
LEW 85364	H-5 chondrite	3.6	SL-4	13(2)
LEW 85365	L-4 chondrite	7.5	SN-2	10(1)
LEW 85366	H-4 chondrite	3.4	SL-5	13(2)
LEW 85367	H-5 chondrite	5.7	SM-4	13(2)
LEW 85368	H-6 chondrite	17.8	SN-4	13(2)
LEW 85369	Iron (ungrouped)	6.3	SN-4	10(2)
LEW 85370	H-4 chondrite	10.8	SO-3	13(2)
LEW 85371	H-5 chondrite	55.3	SL-4	12(1)
LEW 85372	H-5 chondrite	9.5	SM-4	13(2)
LEW 85373	H-6 chondrite	45.2	?	10(2)
LEW 85374	H-6 chondrite	10.4	SN-5	13(2)
LEW 85375	H-5 chondrite	37.1	SJ-4	10(2)
LEW 85377	H-6 chondrite	30.8	SL-4	10(2)
LEW 85378	H-6 chondrite	65.6	SK-4	10(2)
LEW 85379	H-5 chondrite	25.8	SQ-2	13(2)
LEW 85380	L-6 chondrite	14.5	SM-3	10(2)
LEW 85381	H-6 chondrite	21.7	SI-3	10(2)
LEW 85382	H-5 chondrite	9.9	SN-3	13(2)
LEW 85383	H-3 chondrite	18.5	SL-3	13(2)
LEW 85384	H-6 chondrite	5.6	SM-3	10(2)
LEW 85385	L-5 chondrite	12.9	SL-2	13(2)
LEW 85386	LL-6 chondrite	14.2	SO-3	10(2)
LEW 85387	H-5 chondrite	3.8	SL-4	10(1)
LEW 85388	L-6 chondrite	3.5	SL-4	10(2)
LEW 85389	H-5 chondrite	3.6	SN-3	13(2)
LEW 85390	L-4 chondrite	1.5	SK-5	10(1)
LEW 85391	H-6 chondrite	9.2	SM-4	13(2)
LEW 85392	H-6 chondrite	27.9	SK-4	13(2)
LEW 85393	H-5 chondrite	51.3	SN-4	12(1)
LEW 85394	L-5 chondrite	14.8	SM-4	13(2)
LEW 85395	H-5 chondrite	17.5	SN-4	13(2)
LEW 85396	L-3 chondrite	60.2	SN-4	10(1)
LEW 85397	L-6 chondrite breccia	57.3	SP-3	10(2)
LEW 85398	H-4 chondrite	37.9	SN-3	13(2)
LEW 85399	H-6 chondrite	8.2	SK-4	10(2)
LEW 85400	H-6 chondrite	6.4	?	10(2)
LEW 85401	L-3 chondrite	3.9	SK-5	10(1)
LEW 85402	H-6 chondrite	65.9	SK-4	10(2)
LEW 85403	L-6 chondrite	12.2	SN-4	10(2)
LEW 85404	H-5 chondrite	34.4	SL-3	13(2)
LEW 85405	H-5 chondrite	62.8	SM-4	12(1)
LEW 85406	H-5 chondrite	7.0	SN-4	13(2)
LEW 85407	H-5 chondrite	18.6	SP-3	13(2)
LEW 85408	H-6 chondrite	3.5	SL-4	10(2)
LEW 85409	H-5 chondrite	28.5	SI-3	13(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 85410	H-6 chondrite	2.3	SM-4	10(2)
LEW 85411	H-6 chondrite	3.6	SL-3	10(2)
LEW 85412	H-6 chondrite	70.9	SP-3	12(1)
LEW 85413	L-6 chondrite	13.6	SM-4	10(2)
LEW 85414	H-5 chondrite	25.8	SN-3	13(2)
LEW 85415	LL-6 chondrite	3.4	SK-5	10(2)
LEW 85416	H-5 chondrite	6.2	SM-4	13(2)
LEW 85417	L-5 chondrite	9.3	SK-5	13(2)
LEW 85418	H-6 chondrite	37.5	SI-3	13(2)
LEW 85419	L-6 chondrite	39.1	SO-4	13(2)
LEW 85420	L-6 chondrite breccia	12.4	SM-4	10(2)
LEW 85422	H-5 chondrite	26.6	SQ-2	13(2)
LEW 85423	H-5 chondrite	11.0	SL-5	13(2)
LEW 85424	L-6 chondrite	4.4	SL-4	10(2)
LEW 85425	L-6 chondrite	3.0	SK-2	13(2)
LEW 85426	H-5 chondrite	15.7	SL-4	13(2)
LEW 85427	L-5 chondrite	14.8	SJ-4	13(2)
LEW 85428	L-6 chondrite	21.2	NI-3	10(2)
LEW 85429	LL-6 chondrite	6.8	SM-4	10(2)
LEW 85430	L-6 chondrite	13.3	SN-4	13(2)
LEW 85431	L-6 chondrite	29.6	SN-4	10(2)
LEW 85432	L-6 chondrite	2.4	SL-4	10(2)
LEW 85433	H-5 chondrite	57.3	SJ-4	12(1)
LEW 85434	L-3 chondrite	19.4	SP-3	13(2)
LEW 85435	H-5 chondrite	20.7	SN-4	10(2)
LEW 85436	L-6 chondrite	9.3	SM-4	10(2)
LEW 85437	L-3 chondrite	9.4	SK-3	13(2)
LEW 85438	LL-6 chondrite	3.2	SK-5	10(2)
LEW 85439	L-6 chondrite	2.7	SN-3	10(2)
LEW 85440	Ureilite	43.8	SN-3	10(1)
LEW 85441	Howardite	10.9	SM-3	10(1)
LEW 85442	L-6 chondrite	28.8	SM-4	10(2)
LEW 85443	L-4 chondrite	9.9	SL-5	10(2)
LEW 85444	L-6 chondrite	2.3	SL-5	10(2)
LEW 85445	H-4 chondrite	10.8	SK-5	10(2)
LEW 85446	H-6 chondrite	41.5	SO-2	10(2)
LEW 85447	H-5 chondrite	16.2	SO-3	13(2)
LEW 85448	H-5 chondrite	34.2	SM-4	13(2)
LEW 85449	L-6 chondrite	11.9	SN-4	10(2)
LEW 85450	H-5 chondrite	27.3	SO-2	13(2)
LEW 85451	L-5 chondrite	14.9	SN-3	13(2)
LEW 85452	L-3 chondrite	9.2	SM-4	13(2)
LEW 85453	H-5 chondrite	5.5	SM-4	13(2)
LEW 85454	L-6 chondrite	8.2	SO-3	10(2)
LEW 85455	H-5 chondrite	8.0	SM-4	13(2)
LEW 85456	H-5 chondrite	19.4	SN-4	13(2)
LEW 85457	L-6 chondrite	20.3	?	10(2)
LEW 85458	H-5 chondrite	16.8	SQ-2	13(2)
LEW 85459	H-5 chondrite	32.0	SM-4	13(2)
LEW 85460	H-5 chondrite	5.5	SK-5	13(2)
LEW 85461	L-6 chondrite	21.2	SO-3	10(2)
LEW 85462	H-6 chondrite	22.5	SO-3	13(2)
LEW 85463	L-6 chondrite	12.3	SM-4	10(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 85464	H-5 chondrite	23.7	SJ-4	13(2)
LEW 85465	L-6 chondrite	57.5	SM-3	10(2)
LEW 85466	H-5 chondrite	14.1	SL-4	13(2)
LEW 85467	LL-6 chondrite	4.5	SL-3	10(2)
LEW 85468	H-4 chondrite	15.4	SN-4	13(2)
LEW 85469	H-6 chondrite	7.7	?	10(2)
LEW 85470	H-6 chondrite	18.8	SM-4	13(2)
LEW 85471	L-6 chondrite	239.2	SO-10	10(1)
LEW 85472	L-6 chondrite	66.6	SN-6	12(1)
LEW 86001	Eucrite	290.6	NH-4	10(2)
LEW 86002	Eucrite (unbrecciated)	32.6	SK-3	10(2)
LEW 86003	Eucrite (brecciated)	1.6	NH-5	10(2)
LEW 86004	Carbonaceous C2	2.1	NH-5	10(2)
LEW 86005	Carbonaceous C2	4.7	NH-4	10(2)
LEW 86006	Carbonaceous C3V	0.8	NH-6	10(2)
LEW 86007	Carbonaceous C2	1.6	NH-5	10(2)
LEW 86008	Carbonaceous C2	5.6	NH-4	10(2)
LEW 86009	Carbonaceous C2	6.5	NH-5	10(2)
LEW 86010	Angrite	6.9	NC-7	10(2)
LEW 86011	L-6 chondrite	3397.5	SN-9	11(1)
LEW 86012	L-6 chondrite	2157.4	SM-10	11(1)
LEW 86013	L-6 chondrite	1812.2	SM-10	11(1)
LEW 86014	L-4 chondrite	662.4	NH-3	11(1)
LEW 86015	H-6 chondrite	780.1	NI-3	11(1)
LEW 86016	L-6 chondrite	525.0	SO-9	11(1)
LEW 86017	H-6 chondrite	687.6	AC-4	11(1)
LEW 86018	L-3 chondrite	502.0	SM-10	10(2)
LEW 86019	L-6 chondrite	432.4	SM-10	11(1)
LEW 86020	H-5 chondrite	360.5	SO-8	11(1)
LEW 86021	L-3 chondrite	325.8	NG-3	11(1)
LEW 86022	L-3 chondrite	351.7	NB-7	11(1)
LEW 86023	L-6 chondrite	322.0	AG-7	11(1)
LEW 86024	L-4 chondrite	248.5	SO-8	11(1)
LEW 86025	L-6 chondrite	190.1	ND-7	11(1)
LEW 86026	H-5 chondrite	22.1	NG-4	11(1)
LEW 86028	H-6 chondrite	25.9	SL-11*	11(1)
LEW 86029	H-5 chondrite	16.5	SL-11*	11(1)
LEW 86030	H-6 chondrite	13.4	SL-11*	11(1)
LEW 86031	H-5 chondrite	74.5	SL-11*	11(1)
LEW 86032	H-5 chondrite	1.4	SL-11*	11(1)
LEW 86033	H-4 chondrite	21.5	NI-3	11(1)
LEW 86034	L-4 chondrite	6.0	NG-4	11(1)
LEW 86035	H-5 chondrite	77.7	SL-11*	11(1)
LEW 86036	H-5 chondrite	9.3	SL-11*	11(1)
LEW 86037	H-5 chondrite	5.6	NG-3	11(1)
LEW 86038	L-6 chondrite	18.8	NG-4	11(1)
LEW 86039	H-5 chondrite	41.5	NG-4	11(1)
LEW 86040	L-4 chondrite	48.8	NG-3	11(1)
LEW 86041	H-5 chondrite	22.5	NG-4	11(1)
LEW 86042	L-6 chondrite	5.4	SL-11*	11(1)
LEW 86043	L-6 chondrite	13.5	NI-5	11(1)
LEW 86044	H-5 chondrite	18.8	SL-11*	11(1)
LEW 86045	H-5 chondrite	5.4	SL-11*	11(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 86046	H-5 chondrite	4.6	SL-11*	11(1)
LEW 86047	H-5 chondrite	68.7	SL-11*	11(1)
LEW 86048	L-6 chondrite	6.3	SO-9	11(1)
LEW 86049	H-5 chondrite	14.8	SL-11*	11(1)
LEW 86050	H-5 chondrite	10.6	SL-11*	11(1)
LEW 86051	H-5 chondrite	2.0	SL-11*	11(1)
LEW 86052	H-6 chondrite	2.4	SL-11*	13(2)
LEW 86053	H-5 chondrite	4.2	SL-11*	13(2)
LEW 86054	L-6 chondrite	2.4	NG-3	11(1)
LEW 86055	H-5 chondrite	41.3	NG-3	13(2)
LEW 86056	L-6 chondrite	6.8	SL-11*	11(1)
LEW 86057	LL-6 chondrite	54.7	NG-3	11(1)
LEW 86058	H-5 chondrite	22.3	NH-4	13(2)
LEW 86059	H-5 chondrite	1.8	SL-11*	13(2)
LEW 86060	H-5 chondrite	23.0	NG-4	13(2)
LEW 86061	L-4 chondrite	8.8	NH-4	13(2)
LEW 86062	H-5 chondrite	13.2	NG-4	13(2)
LEW 86063	H-5 chondrite	7.0	SL-11*	13(2)
LEW 86064	L-6 chondrite	24.3	SL-11*	11(1)
LEW 86065	L-5 chondrite	9.2	NI-5	13(2)
LEW 86066	H-6 chondrite	18.5	SL-11*	11(1)
LEW 86067	H-4 chondrite	8.9	NG-4	13(2)
LEW 86068	H-5 chondrite	6.3	SL-11*	13(2)
LEW 86069	LL-6 chondrite	0.6	SL-11*	11(1)
LEW 86070	LL-6 chondrite	19.2	SL-11*	11(1)
LEW 86071	H-5 chondrite	8.1	SL-11*	13(2)
LEW 86072	H-5 chondrite	11.9	SL-11*	13(2)
LEW 86073	L-6 chondrite	37.7	NG-4	11(1)
LEW 86074	H-5 chondrite	19.3	SL-11*	13(2)
LEW 86075	L-6 chondrite	4.5	SL-11*	11(1)
LEW 86076	H-5 chondrite	23.7	NG-4	13(2)
LEW 86077	H-5 chondrite	8.6	SL-11*	13(2)
LEW 86078	H-5 chondrite	37.1	SL-11*	13(2)
LEW 86079	H-5 chondrite	6.6	NF-4	13(2)
LEW 86080	H-5 chondrite	13.5	SL-11*	13(2)
LEW 86081	H-5 chondrite	28.4	SL-11*	13(2)
LEW 86082	LL-6 chondrite	8.3	NG-3	11(1)
LEW 86083	H-5 chondrite	198.9	SM-9	11(2)
LEW 86084	L-6 chondrite	53.1	SL-11*	11(1)
LEW 86085	L-6 chondrite	196.9	SN-9	11(1)
LEW 86086	H-5 chondrite	104.0	SM-9	11(2)
LEW 86087	H-5 chondrite	10.9	SL-11*	13(2)
LEW 86088	H-5 chondrite	38.0	SL-11*	13(2)
LEW 86089	H-6 chondrite	84.8	SO-8	11(2)
LEW 86090	L-6 chondrite	23.2	NH-3	11(1)
LEW 86091	H-5 chondrite	66.7	SM-9	11(2)
LEW 86092	H-5 chondrite	20.6	NH-4	13(2)
LEW 86093	H-5 chondrite	14.6	SM-9	13(2)
LEW 86094	H-5 chondrite	15.4	SM-9	13(2)
LEW 86095	H-5 chondrite	14.1	SM-9	13(2)
LEW 86096	H-5 chondrite	70.9	SM-9	11(2)
LEW 86097	L-6 chondrite	2.5	NH-6	11(1)
LEW 86098	L-4 chondrite	52.8	NI-3	11(2)



Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 86099	H-5 chondrite	28.2	SM-9	13(2)
LEW 86100	H-5 chondrite	23.6	SM-9	13(2)
LEW 86101	LL-6 chondrite	28.5	NH-3	11(1)
LEW 86102	H-3 chondrite	21.8	NI-3	13(3)
LEW 86103	H-5 chondrite	9.2	SL-11*	13(3)
LEW 86104	H-5 chondrite	33.8	SL-11*	13(3)
LEW 86105	H-3 chondrite	6.4	NI-4	13(3)
LEW 86106	H-5 chondrite	5.8	NF-4	13(3)
LEW 86107	H-5 chondrite	47.3	NI-4	13(3)
LEW 86108	H-5 chondrite	4.2	SL-11*	13(3)
LEW 86109	H-5 chondrite	17.4	NG-4	13(3)
LEW 86110	L-6 chondrite	33.7	NH-3	11(1)
LEW 86111	H-5 chondrite	32.9	NH-3	13(3)
LEW 86112	H-5 chondrite	17.8	NH-3	13(3)
LEW 86113	L-6 chondrite	6.8	NH-4	11(1)
LEW 86114	H-4 chondrite	8.7	NH-4	13(3)
LEW 86115	L-6 chondrite	33.5	NH-3	11(1)
LEW 86116	H-5 chondrite	16.7	NH-4	13(3)
LEW 86117	LL-6 chondrite	13.5	NH-6	11(1)
LEW 86118	H-5 chondrite	29.7	NH-4	13(3)
LEW 86119	H-4 chondrite	44.3	NH-4	13(3)
LEW 86120	H-6 chondrite	32.9	NI-3	11(1)
LEW 86121	H-5 chondrite	7.6	NH-4	13(3)
LEW 86122	H-5 chondrite	9.3	NH-3	13(3)
LEW 86123	H-4 chondrite	11.5	NH-4	11(1)
LEW 86124	L-5 chondrite	7.7	NH-4	13(3)
LEW 86125	H-5 chondrite	13.7	NH-3	13(3)
LEW 86126	H-5 chondrite	6.7	NH-4	13(3)
LEW 86127	L-3 chondrite	11.9	NI-4	11(1)
LEW 86128	H-5 chondrite	15.1	NH-3	13(3)
LEW 86129	H-5 chondrite	7.0	NH-5	13(3)
LEW 86130	H-5 chondrite	2.7	NI-4	13(3)
LEW 86131	H-5 chondrite	9.8	NH-4	13(3)
LEW 86132	L-6 chondrite	12.1	NH-3	11(1)
LEW 86133	L-6 chondrite	8.3	NH-5	11(1)
LEW 86134	L-3 chondrite	28.9	NH-3	11(1)
LEW 86135	L-6 chondrite	10.0	NH-5	11(1)
LEW 86136	H-5 chondrite	12.5	NH-4	13(3)
LEW 86137	H-6 chondrite	6.5	NH-4	11(1)
LEW 86138	L-4 chondrite	46.9	NH-3	13(3)
LEW 86139	H-6 chondrite	3.8	NH-5	11(1)
LEW 86140	L-6 chondrite	9.4	AF-8	11(1)
LEW 86141	L-6 chondrite	4.7	NH-4	11(1)
LEW 86142	H-5 chondrite	14.3	NH-4	13(3)
LEW 86143	H-5 chondrite	23.4	NH-3	13(3)
LEW 86144	L-3 chondrite	11.1	NH-4	11(1)
LEW 86145	LL-5 chondrite	3.8	NH-6	13(3)
LEW 86146	H-6 chondrite	2.9	NH-3	15(1)
LEW 86147	H-5 chondrite	12.8	NH-3	14(1)
LEW 86148	H-5 chondrite	1.7	NH-6	14(1)
LEW 86149	H-6 chondrite	18.8	NI-3	14(1)
LEW 86150	H-5 chondrite	7.2	NI-3	14(1)
LEW 86151	H-5 chondrite	12.7	NI-4	14(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 86152	H-5 chondrite	15.4	NH-3	14(1)
LEW 86153	H-5 chondrite	30.8	NH-4	14(1)
LEW 86154	H-5 chondrite	9.0	NH-4	14(1)
LEW 86155	H-5 chondrite	18.3	NH-4	14(1)
LEW 86156	H-5 chondrite	24.5	NH-4	14(1)
LEW 86158	L-3 chondrite	8.6	NH-4	11(1)
LEW 86159	H-5 chondrite	8.2	NH-3	14(1)
LEW 86160	H-6 chondrite	15.4	NI-4	11(1)
LEW 86161	LL-6 chondrite	29.0	NI-5	11(1)
LEW 86162	LL-6 chondrite	2.2	AG-8	11(1)
LEW 86163	H-6 chondrite	15.4	NH-3	11(1)
LEW 86164	H-5 chondrite	26.0	NH-3	14(1)
LEW 86165	H-4 chondrite	18.2	NI-4	11(1)
LEW 86166	L-6 chondrite	20.7	NH-3	11(1)
LEW 86167	H-5 chondrite	13.0	NI-3	14(1)
LEW 86168	H-6 chondrite	18.3	NH-4	11(1)
LEW 86169	L-6 chondrite	25.8	NI-3	11(1)
LEW 86170	H-6 chondrite	4.2	NH-6	11(1)
LEW 86171	H-4 chondrite	17.6	NH-3	14(1)
LEW 86172	H-5 chondrite	6.9	NH-3	14(1)
LEW 86173	L-6 chondrite	1.8	NH-4	11(1)
LEW 86174	H-5 chondrite	27.2	NH-4	14(1)
LEW 86175	L-6 chondrite	2.4	NH-6	11(1)
LEW 86176	H-4 chondrite	6.3	NH-4	14(1)
LEW 86177	H-6 chondrite	19.4	NH-4	14(1)
LEW 86178	H-6 chondrite	13.5	NH-4	11(1)
LEW 86179	L-6 chondrite	5.4	NI-4	11(1)
LEW 86180	H-5 chondrite	10.9	NI-4	14(1)
LEW 86181	H-6 chondrite	30.6	NI-4	14(1)
LEW 86182	H-6 chondrite	18.8	NH-3	11(1)
LEW 86183	H-6 chondrite	22.9	NI-3	11(1)
LEW 86184	L-6 chondrite	15.9	NH-3	14(1)
LEW 86185	LL-6 chondrite	4.8	NH-3	14(1)
LEW 86186	L-6 chondrite	47.5	NH-3	11(1)
LEW 86187	H-5 chondrite	11.1	NH-4	14(1)
LEW 86188	H-5 chondrite	6.1	NH-4	11(1)
LEW 86189	H-5 chondrite	10.3	NI-4	14(1)
LEW 86190	H-6 chondrite	28.4	NH-3	11(1)
LEW 86191	H-5 chondrite	11.3	NH-4	14(1)
LEW 86192	H-5 chondrite	11.5	NH-3	14(1)
LEW 86193	L-6 chondrite	7.6	NH-3	11(1)
LEW 86194	H-5 chondrite	10.0	SL-11*	14(1)
LEW 86195	L-6 chondrite	41.5	SK-3	11(1)
LEW 86196	H-6 chondrite	18.5	SL-11*	11(1)
LEW 86197	H-5 chondrite	18.0	SL-11*	14(1)
LEW 86198	H-5 chondrite	14.8	NG-3	14(1)
LEW 86199	H-5 chondrite	31.9	NG-3	14(1)
LEW 86200	H-5 chondrite	2.9	SL-11*	14(1)
LEW 86201	H-6 chondrite	18.2	NH-4	11(1)
LEW 86202	H-6 chondrite	12.2	SK-3	14(1)
LEW 86203	L-6 chondrite	61.4	NH-3	11(1)
LEW 86204	H-6 chondrite	22.5	SJ-3	11(1)
LEW 86205	H-6 chondrite	17.4	NH-4	11(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 86206	H-5 chondrite	35.8	NH-4	14(1)
LEW 86207	L-3 chondrite	17.7	NH-4	11(1)
LEW 86208	H-5 chondrite	6.9	NG-3	14(1)
LEW 86209	H-5 chondrite	12.4	SL-11*	14(1)
LEW 86210	Mesosiderite	9.2	NH-3	11(1)
LEW 86211	Iron-anomal. (ungrouped)	163.1	AF-4	11(2)
LEW 86212	H-6 chondrite	5.5	NH-3	11(1)
LEW 86213	L-3 chondrite	27.9	NH-3	14(1)
LEW 86215	H-5 chondrite	123.3	SL-11*	11(2)
LEW 86216	Ureilite	6.5	NG-3	11(1)
LEW 86217	H-5 chondrite	19.6	SL-11*	14(1)
LEW 86218	H-6 chondrite	6.2	NH-3	11(1)
LEW 86220	Iron w/sil. inc.	25.0	NH-3	11(1)
LEW 86221	H-6 chondrite	17.6	SL-11*	11(1)
LEW 86222	L-5 chondrite	8.9	NH-3	14(1)
LEW 86223	H-5 chondrite	13.4	NH-3	14(1)
LEW 86224	L-5 chondrite	6.9	NI-3	14(1)
LEW 86225	H-5 chondrite	102.8	SL-11*	11(2)
LEW 86226	H-5 chondrite	48.6	SL-11*	14(1)
LEW 86228	H-5 chondrite	28.9	SL-11*	14(1)
LEW 86230	H-5 chondrite	2.4	SL-11*	14(1)
LEW 86231	L-6 chondrite	18.2	NH-4	11(1)
LEW 86232	H-5 chondrite	19.4	SK-3	14(1)
LEW 86233	H-5 chondrite	9.6	NH-4	14(1)
LEW 86234	H-5 chondrite	14.3	SL-11*	14(1)
LEW 86235	H-5 chondrite	6.7	NH-4	14(1)
LEW 86236	H-6 chondrite	1.5	SL-11*	11(1)
LEW 86237	H-5 chondrite	13.8	SL-11*	14(1)
LEW 86238	L-6 chondrite	28.9	NH-4	11(1)
LEW 86239	H-6 chondrite	25.4	NH-4	11(1)
LEW 86240	H-5 chondrite	7.1	SK-3	14(1)
LEW 86241	H-6 chondrite	33.1	NH-3	14(1)
LEW 86242	H-5 chondrite	12.8	SL-11*	14(1)
LEW 86243	H-5 chondrite	5.7	SL-11*	14(1)
LEW 86244	H-5 chondrite	5.1	NG-4	14(1)
LEW 86245	H-5 chondrite	2.9	SL-11*	14(1)
LEW 86246	L-3 chondrite	2.3	NH-4	11(1)
LEW 86247	H-5 chondrite	3.6	NH-4	14(1)
LEW 86249	H-6 chondrite	44.8	NG-3	14(1)
LEW 86250	H-5 chondrite	141.8	NH-4	11(2)
LEW 86251	L-4 chondrite	22.6	SL-11*	14(1)
LEW 86252	H-6 chondrite	32.9	SL-11*	11(1)
LEW 86253	H-6 chondrite	10.1	NG-3	11(1)
LEW 86254	H-5 chondrite	8.5	SL-11*	14(1)
LEW 86255	H-5 chondrite	25.3	SL-11*	14(1)
LEW 86256	H-5 chondrite	21.8	NH-4	14(1)
LEW 86257	H-5 chondrite	3.7	SL-11*	14(1)
LEW 86258	Carbonaceous C4	24.1	NH-3	11(1)
LEW 86259	H-5 chondrite	8.5	NH-4	14(1)
LEW 86260	L-5 chondrite	12.5	NH-4	14(1)
LEW 86261	H-5 chondrite	13.8	SL-11*	14(1)
LEW 86262	H-5 chondrite	10.1	SJ-5	14(1)
LEW 86263	H-5 chondrite	15.1	SL-11*	14(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 86264	L-4 chondrite	5.1	SL-11*	14(1)
LEW 86265	H-5 chondrite	2.0	SL-11*	14(1)
LEW 86266	H-5 chondrite	40.8	SJ-4	14(1)
LEW 86267	L-4 chondrite	17.7	SL-11*	14(1)
LEW 86268	L-6 chondrite	22.0	NH-4	11(1)
LEW 86269	L-6 chondrite	22.4	NG-4	11(1)
LEW 86270	L-3 chondrite	4.2	NH-4	11(1)
LEW 86271	H-5 chondrite	19.8	SL-11*	14(1)
LEW 86272	H-5 chondrite	16.0	NH-4	14(1)
LEW 86273	L-6 chondrite	30.3	NH-3	14(1)
LEW 86274	L-6 chondrite	36.0	SL-11*	11(1)
LEW 86275	H-5 chondrite	35.4	NH-4	14(1)
LEW 86277	H-5 chondrite	25.4	SL-11*	15(1)
LEW 86278	H-5 chondrite	1.4	SL-11*	15(1)
LEW 86279	H-5 chondrite	12.8	SL-11*	15(1)
LEW 86280	H-5 chondrite	10.5	NG-4	15(1)
LEW 86281	H-6 chondrite	55.7	SL-11*	11(2)
LEW 86282	L-6 chondrite	62.4	NG-3	11(1)
LEW 86283	H-5 chondrite	13.6	SL-11*	15(1)
LEW 86284	H-5 chondrite	4.0	SL-11*	15(1)
LEW 86285	H-5 chondrite	4.2	SL-11*	15(1)
LEW 86286	H-5 chondrite	44.9	SN-4	14(1)
LEW 86287	H-6 chondrite	41.5	SO-3	11(1)
LEW 86288	L-6 chondrite	10.8	SL-11*	11(1)
LEW 86289	L-6 chondrite	17.6	SM-3	11(1)
LEW 86290	H-4 chondrite	9.6	NE-5	15(1)
LEW 86291	H-6 chondrite	14.9	NG-4	15(1)
LEW 86292	H-5 chondrite	32.8	SM-3	14(1)
LEW 86293	H-5 chondrite	1.3	SL-11*	15(1)
LEW 86294	H-5 chondrite	2.0	SL-11*	15(1)
LEW 86295	H-6 chondrite	43.8	SK-4	11(1)
LEW 86296	H-5 chondrite	28.5	SL-11*	15(1)
LEW 86297	L-6 chondrite	3.0	SL-4	15(1)
LEW 86298	H-5 chondrite	7.2	SL-11*	15(1)
LEW 86299	H-5 chondrite	25.1	SL-11*	14(1)
LEW 86300	H-5 chondrite	9.0	SK-4	15(1)
LEW 86301	H-5 chondrite	5.1	SL-11*	15(1)
LEW 86302	H-5 chondrite	40.2	SP-2	14(1)
LEW 86303	H-4 chondrite	17.6	NC-5	15(1)
LEW 86304	H-5 chondrite	4.2	SL-11*	15(1)
LEW 86305	H-5 chondrite	40.4	SL-11*	14(1)
LEW 86306	H-5 chondrite	0.6	SL-11*	15(1)
LEW 86307	L-3 chondrite	4.9	SL-5	11(2)
LEW 86308	H-4 chondrite	3.1	SK-4	15(1)
LEW 86309	L-6 chondrite	13.8	SK-4	11(1)
LEW 86310	H-5 chondrite	7.6	SL-11*	15(1)
LEW 86311	L-6 chondrite	67.1	SR-2	11(1)
LEW 86312	H-5 chondrite	101.8	SQ-2	11(2)
LEW 86313	H-5 chondrite	3.8	SL-11*	15(1)
LEW 86314	H-5 chondrite	41.4	SL-11*	14(1)
LEW 86315	H-5 chondrite	22.7	SL-11*	15(1)
LEW 86316	H-5 chondrite	4.3	SL-11*	15(1)
LEW 86317	L-6 chondrite	62.4	SM-3	11(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 86318	H-4 chondrite	6.6	SL-11*	14(1)
LEW 86319	H-5 chondrite	3.2	SL-11*	14(1)
LEW 86320	H-5 chondrite	3.5	SL-11*	14(1)
LEW 86321	H-5 chondrite	33.2	SL-11*	14(1)
LEW 86322	H-5 chondrite	17.5	SL-4	14(1)
LEW 86323	H-5 chondrite	5.3	SO-3	14(1)
LEW 86324	H-5 chondrite	8.4	SL-11*	14(1)
LEW 86325	H-5 chondrite	19.9	SL-11*	14(1)
LEW 86326	H-5 chondrite	6.8	SL-11*	14(1)
LEW 86327	H-5 chondrite	44.2	SL-11*	14(1)
LEW 86328	H-6 chondrite	7.2	SL-4	11(1)
LEW 86329	H-5 chondrite	5.0	SK-4	14(1)
LEW 86330	L-6 chondrite	20.7	SL-11*	11(1)
LEW 86332	H-5 chondrite	14.4	SL-11*	14(1)
LEW 86333	H-6 chondrite	9.2	SP-1	11(1)
LEW 86334	LL-6 chondrite	6.2	SL-5	14(1)
LEW 86335	H-6 chondrite	3.1	SL-11*	11(1)
LEW 86336	H-5 chondrite	8.3	SL-11*	14(1)
LEW 86337	H-5 chondrite	25.6	SL-11*	14(1)
LEW 86338	H-5 chondrite	26.8	SL-11*	14(1)
LEW 86339	L-4 chondrite	21.3	SK-4	11(2)
LEW 86340	H-6 chondrite	25.1	SM-3	11(1)
LEW 86341	H-5 chondrite	9.4	SP-2	11(2)
LEW 86342	H-6 chondrite	2.4	SL-11*	11(1)
LEW 86343	H-6 chondrite	6.3	SL-11*	11(1)
LEW 86344	H-5 chondrite	17.1	SL-11*	14(1)
LEW 86345	H-5 chondrite	3.6	SL-11*	14(1)
LEW 86346	L-5 chondrite	3.2	SK-5	14(1)
LEW 86347	L-3 chondrite	3.1	SL-5	14(1)
LEW 86348	H-6 chondrite	20.4	SN-3	14(1)
LEW 86349	L-6 chondrite	38.1	SL-4	14(1)
LEW 86350	H-6 chondrite	19.2	NH-4	11(2)
LEW 86351	H-6 chondrite	9.6	SL-11*	14(1)
LEW 86352	L-5 chondrite	26.9	SQ-2	11(2)
LEW 86353	H-5 chondrite	4.7	SL-11*	14(1)
LEW 86354	H-5 chondrite	23.3	SM-3	14(1)
LEW 86355	H-6 chondrite	7.1	NG-4	14(1)
LEW 86356	H-5 chondrite	9.1	SM-3	14(1)
LEW 86357	L-5 chondrite	3.4	SK-4	11(2)
LEW 86358	H-4 chondrite	5.0	SK-4	14(1)
LEW 86359	L-6 chondrite	2.7	SK-5	11(2)
LEW 86360	L-4 chondrite	181.5	SL-11*	11(2)
LEW 86361	H-5 chondrite	5.6	SL-11*	14(1)
LEW 86362	H-5 chondrite	5.9	SL-11*	14(1)
LEW 86363	H-5 chondrite	2.9	SL-11*	14(1)
LEW 86364	H-6 chondrite	19.8	SL-11*	11(2)
LEW 86365	H-5 chondrite	4.8	SL-11*	14(1)
LEW 86366	H-5 chondrite	25.9	SL-11*	14(1)
LEW 86367	L-3 chondrite	10.5	SL-5	11(2)
LEW 86368	H-5 chondrite	28.6	SL-11*	14(1)
LEW 86369	H-5 chondrite	7.4	SL-11*	14(1)
LEW 86370	H-5 chondrite	8.7	SL-4	14(1)
LEW 86371	H-5 chondrite	146.6	SL-11*	11(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 86372	L-6 chondrite	11.8	SM-3	11(2)
LEW 86373	H-5 chondrite	30.1	SQ-3	14(1)
LEW 86374	H-5 chondrite	31.7	SR-2	14(1)
LEW 86375	H-5 chondrite	10.5	SK-4	14(1)
LEW 86376	H-5 chondrite	41.1	SL-11*	14(1)
LEW 86377	H-4 chondrite	2.0	SK-4	14(1)
LEW 86378	LL-6 chondrite	3.6	NG-4	11(2)
LEW 86379	H-4 chondrite	9.0	NH-4	14(1)
LEW 86380	H-4 chondrite	31.6	NG-4	11(2)
LEW 86381	H-6 chondrite	6.6	NH-6	11(2)
LEW 86382	H-6 chondrite	21.8	SL-11*	14(1)
LEW 86383	H-5 chondrite	10.5	SL-11*	14(1)
LEW 86384	H-5 chondrite	5.9	NH-5	14(1)
LEW 86385	H-5 chondrite	34.5	SL-11*	13(3)
LEW 86386	LL-4 chondrite	2.6	NH-5	14(1)
LEW 86387	H-5 chondrite	26.3	NH-4	14(1)
LEW 86388	H-5 chondrite	24.2	SL-11*	14(1)
LEW 86389	H-5 chondrite	1.6	NH-5	14(1)
LEW 86390	H-4 chondrite	30.2	NH-4	13(3)
LEW 86391	H-5 chondrite	15.1	SL-11*	14(1)
LEW 86392	L-5 chondrite	6.0	NH-5	11(2)
LEW 86393	H-5 chondrite	69.9	SL-11*	11(2)
LEW 86394	H-5 chondrite	2.6	NH-4	14(1)
LEW 86395	H-5 chondrite	14.3	NH-4	14(1)
LEW 86396	H-5 chondrite	12.6	NH-4	14(1)
LEW 86397	H-5 chondrite	9.6	NH-4	14(1)
LEW 86398	H-5 chondrite	3.0	NH-4	14(1)
LEW 86399	L-6 chondrite	6.9	NH-5	11(2)
LEW 86400	H-5 chondrite	18.8	NH-4	14(1)
LEW 86401	H-5 chondrite	9.0	NG-4	14(1)
LEW 86402	LL-5 chondrite	14.0	NG-4	14(1)
LEW 86403	H-5 chondrite	6.6	NH-5	14(1)
LEW 86404	L-6 chondrite	8.2	NH-4	11(2)
LEW 86405	H-5 chondrite	1.0	SL-11*	14(1)
LEW 86407	H-5 chondrite	36.3	SL-11*	13(3)
LEW 86408	L-3 chondrite	1.4	NH-5	11(2)
LEW 86409	L-6 chondrite	23.7	NH-4	11(2)
LEW 86410	L-4 chondrite	3.5	NH-5	14(1)
LEW 86411	LL-4 chondrite	4.1	NH-5	14(1)
LEW 86412	H-6 chondrite	1.3	NH-5	14(1)
LEW 86413	H-5 chondrite	13.5	NH-4	14(1)
LEW 86414	H-5 chondrite	4.3	NH-4	14(1)
LEW 86415	H-5 chondrite	3.1	NH-4	14(1)
LEW 86416	H-6 chondrite	18.2	SL-11*	11(2)
LEW 86417	L-3 chondrite	1.6	NH-5	11(2)
LEW 86418	H-5 chondrite	42.8	NH-4	11(2)
LEW 86419	LL-6 chondrite	2.3	NH-5	11(2)
LEW 86420	H-5 chondrite	13.1	SL-11*	14(1)
LEW 86421	L-6 chondrite	2.5	NH-5	11(2)
LEW 86422	H-5 chondrite	7.7	SL-11*	14(1)
LEW 86423	H-5 chondrite	11.1	NH-4	14(1)
LEW 86424	H-5 chondrite	6.8	NH-5	14(1)
LEW 86425	L-6 chondrite	2.4	NG-4	11(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 86426	L-6 chondrite	3.1	NH-5	11(2)
LEW 86427	H-6 chondrite	2.3	NH-5	14(1)
LEW 86428	H-6 chondrite	6.5	NH-4	14(1)
LEW 86429	L-6 chondrite	6.6	NH-4	11(2)
LEW 86430	H-5 chondrite	5.7	NH-5	14(1)
LEW 86431	H-5 chondrite	10.4	SL-11*	14(1)
LEW 86432	LL-6 chondrite	7.3	NH-5	11(2)
LEW 86433	H-6 chondrite	6.1	NH-4	11(2)
LEW 86434	H-5 chondrite	22.5	SL-11*	14(1)
LEW 86435	H-4 chondrite	4.8	NH-5	11(2)
LEW 86436	L-3 chondrite	3.9	NH-5	11(2)
LEW 86437	H-5 chondrite	16.6	SL-11*	14(1)
LEW 86438	H-5 chondrite	45.4	SL-11*	13(3)
LEW 86439	H-6 chondrite	6.4	NH-4	14(1)
LEW 86440	H-5 chondrite	6.9	NH-4	14(1)
LEW 86441	H-5 chondrite	10.6	NH-4	14(1)
LEW 86442	H-5 chondrite	59.1	SL-11*	11(2)
LEW 86443	H-5 chondrite	10.6	SL-11*	14(1)
LEW 86444	H-5 chondrite	14.8	SL-11*	14(1)
LEW 86445	H-6 chondrite	9.3	SL-11*	11(2)
LEW 86446	H-4 chondrite	9.8	SK-5	11(2)
LEW 86447	L-6 chondrite	9.5	NE-4	11(2)
LEW 86448	H-5 chondrite	39.4	SL-11*	15(2)
LEW 86449	LL-5 chondrite	4.3	SK-4	14(1)
LEW 86450	H-5 chondrite	5.0	SL-11*	14(1)
LEW 86451	H-5 chondrite	33.5	SL-11*	13(3)
LEW 86452	H-5 chondrite	19.6	SL-11*	14(1)
LEW 86453	H-5 chondrite	49.4	SL-11*	13(3)
LEW 86454	H-5 chondrite	3.0	SL-11*	14(1)
LEW 86455	H-5 chondrite	49.9	SL-11*	13(3)
LEW 86456	H-5 chondrite	22.2	SL-11*	14(1)
LEW 86457	H-5 chondrite	13.0	SL-11*	14(1)
LEW 86458	H-5 chondrite	18.0	SL-11*	14(1)
LEW 86459	H-5 chondrite	8.2	SL-11*	14(1)
LEW 86460	H-5 chondrite	18.6	SL-11*	14(1)
LEW 86461	H-5 chondrite	0.6	SL-11*	14(1)
LEW 86462	H-5 chondrite	25.3	SL-11*	14(1)
LEW 86463	H-5 chondrite	64.8	SL-11*	11(2)
LEW 86464	H-5 chondrite	18.5	SL-11*	14(1)
LEW 86465	H-5 chondrite	26.3	SL-11*	14(1)
LEW 86466	H-6 chondrite	70.9	SL-11*	11(2)
LEW 86467	H-5 chondrite	0.4	SL-11*	14(1)
LEW 86468	H-5 chondrite	11.5	?	14(1)
LEW 86469	H-5 chondrite	11.3	SL-11*	14(1)
LEW 86470	H-5 chondrite	58.5	SL-11*	11(2)
LEW 86471	H-6 chondrite	82.9	SL-11*	11(2)
LEW 86472	H-5 chondrite	29.7	SL-11*	14(1)
LEW 86473	H-5 chondrite	20.8	SJ-4	14(1)
LEW 86474	H-6 chondrite	6.8	SL-11*	11(2)
LEW 86475	H-5 chondrite	14.5	SL-11*	14(1)
LEW 86476	H-5 chondrite	0.6	SL-11*	14(1)
LEW 86477	H-5 chondrite	11.9	SL-11*	14(1)
LEW 86478	L-6 chondrite	1.9	SL-4	11(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 86479	H-5 chondrite	141.2	SL-11*	11(2)
LEW 86480	H-5 chondrite	12.4	SL-11*	14(1)
LEW 86481	H-6 chondrite	10.6	SL-11*	14(1)
LEW 86482	H-5 chondrite	7.4	SL-11*	14(1)
LEW 86483	LL-6 chondrite	10.0	SL-3	11(2)
LEW 86484	H-5 chondrite	24.1	SL-11*	14(1)
LEW 86485	H-5 chondrite	51.9	SL-11*	11(2)
LEW 86486	H-5 chondrite	9.7	SL-11*	14(1)
LEW 86487	H-5 chondrite	15.1	SL-11*	14(1)
LEW 86488	H-5 chondrite	9.3	NE-4	14(1)
LEW 86489	H-5 chondrite	29.8	SM-10	14(1)
LEW 86490	L-6 chondrite	2209.1	NG-3	11(2)
LEW 86491	H-5 chondrite	15.0	SK-4	14(1)
LEW 86492	H-5 chondrite	24.8	SM-10	14(1)
LEW 86493	H-6 chondrite	4.6	SK-5	11(2)
LEW 86494	H-6 chondrite	13.7	SJ-4	14(1)
LEW 86495	L-3 chondrite	2.5	SK-5	14(1)
LEW 86496	H-5 chondrite	4.9	NE-4	14(1)
LEW 86497	H-5 chondrite	6.2	SM-10	14(1)
LEW 86498	Iron-anomal. (ungrouped)	134.2	SR-2	11(2)
LEW 86499	H-5 chondrite	24.7	SM-10	14(1)
LEW 86500	H-5 chondrite	45.2	SM-10	13(3)
LEW 86501	H-5 chondrite	84.6	SM-10	11(2)
LEW 86502	L-5 chondrite	25.3	SJ-4	14(1)
LEW 86503	H-5 chondrite	22.5	SJ-4	14(1)
LEW 86504	H-6 chondrite	7.6	NF-4	11(2)
LEW 86505	L-3 chondrite	43.9	SQ-2	11(2)
LEW 86506	H-5 chondrite	30.0	SQ-2	13(3)
LEW 86507	H-5 chondrite	10.4	SM-10	14(1)
LEW 86508	H-5 chondrite	9.6	SM-10	14(1)
LEW 86509	H-5 chondrite	32.9	SM-10	14(1)
LEW 86510	H-5 chondrite	24.1	SL-11*	14(1)
LEW 86513	H-5 chondrite	6.1	SK-4	11(2)
LEW 86514	H-5 chondrite	65.1	SM-3	11(2)
LEW 86515	H-5 chondrite	33.9	NC-8	13(3)
LEW 86516	H-5 chondrite	4.3	NE-4	14(1)
LEW 86517	H-5 chondrite	32.4	SL-4	13(3)
LEW 86518	H-5 chondrite	267.3	NC-5	13(3)
LEW 86519	H-5 chondrite	8.0	NF-5	14(1)
LEW 86520	H-5 chondrite	6.4	NG-5	14(1)
LEW 86521	H-5 chondrite	0.3	NG-5	14(1)
LEW 86522	H-6 chondrite	42.7	SL-3	11(2)
LEW 86523	H-5 chondrite	7.2	NH-4	14(1)
LEW 86524	L-5 chondrite	23.4	SK-3	14(1)
LEW 86525	H-5 chondrite	46.3	SL-3	13(3)
LEW 86526	H-3 chondrite	14.1	ND-5	14(1)
LEW 86527	H-5 chondrite	21.6	SM-3	14(1)
LEW 86528	L-6 chondrite	49.7	NE-5	11(2)
LEW 86529	H-5 chondrite	1.4	NB-6	14(1)
LEW 86530	H-5 chondrite	1.9	NB-5	14(1)
LEW 86531	L-6 chondrite	21.1	SK-3	14(1)
LEW 86532	H-5 chondrite	3.6	NB-6	14(1)
LEW 86533	H-5 chondrite	15.7	SK-3	14(1)



Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 86534	H-5 chondrite	89.3	NF-7	11(2)
LEW 86535	H-6 chondrite	13.5	NE-5	14(1)
LEW 86536	H-5 chondrite	7.7	NE-4	14(1)
LEW 86537	H-6 chondrite	17.2	NC-7	11(2)
LEW 86538	H-5 chondrite	21.5	NE-5	14(1)
LEW 86539	H-6 chondrite	13.2	NE-4	14(1)
LEW 86540	Iron - group III CD	21.1	SL-3	11(2)
LEW 86541	L-6 chondrite	12.6	NC-5	11(2)
LEW 86542	L-5 chondrite	25.0	NE-5	14(1)
LEW 86543	H-6 chondrite	26.4	NC-8	11(2)
LEW 86544	H-6 chondrite	65.3	SQ-2	11(2)
LEW 86545	H-5 chondrite	16.1	NF-5	14(1)
LEW 86546	L-6 chondrite	41.2	NF-5	13(3)
LEW 86549	L-3 chondrite	50.1	NH-4	11(2)
LEW 87001	Carbonaceous C2	4.0	AH-5	11(2)
LEW 87002	Eucrite	6.9	AI-4	11(2)
LEW 87003	Carbonaceous C2	2.1	AH-5	11(2)
LEW 87004	Eucrite	208.4	AI-4	11(2)
LEW 87005	Howardite	17.7	AH-5	11(2)
LEW 87006	Mesosiderite	269.5	†	11(2)
LEW 87007	Aubrite	3.2	AH-5	11(2)
LEW 87008	Carbonaceous C2	1.4	AH-5	11(2)
LEW 87009	Carbonaceous C6	50.5	AI-4	11(2)
LEW 87010	Eucrite	2.6	AH-5	11(2)
LEW 87011	Aubrite	1.0	AH-5	11(2)
LEW 87012	LL-5 chondrite	1.1	AH-5	11(2)
LEW 87013	Aubrite	0.2	AH-5	11(2)
LEW 87014	LL-6 chondrite	8.8	NG-3	11(2)
LEW 87015	Howardite	1.3	AH-5	11(2)
LEW 87016,0‡	Carbonaceous C2	16.8	AH-5	11(2)
LEW 87016,0‡	Carbonaceous C2		AH-5	11(2)
LEW 87017	Aubrite	1.3	AH-5	11(2)
LEW 87018	Aubrite	1.2	AH-5	11(2)
LEW 87019	Aubrite	0.5	AH-5	11(2)
LEW 87020	Aubrite	1.9	AH-5	11(2)
LEW 87021	Aubrite	0.5	AH-5	11(2)
LEW 87022	Carbonaceous C2	75.4	AH-4	11(2)
LEW 87023	H-5 chondrite	14.0	NG-4	11(2)
LEW 87025	Carbonaceous C2	0.9	AH-4	11(2)
LEW 87026	Eucrite	22.7	NG-4	11(2)
LEW 87027	Carbonaceous C2	0.8	AH-5	11(2)
LEW 87028	Carbonaceous C2	1.2	AH-5	11(2)
LEW 87029	H-5 chondrite	4026.6	†	12(1)
LEW 87030	H-5 chondrite	7986.5	†	12(1)
LEW 87031	H-5 chondrite	1315.1	AH-5	12(1)
LEW 87032	H-6 chondrite	1581.8	AH-5	12(1)
LEW 87033	H-5 chondrite	1264.2	†	12(1)
LEW 87034	H-5 chondrite	734.8	†	12(1)
LEW 87035	L-6 chondrite	413.3	AJ-3	12(1)
LEW 87036	L-6 chondrite	224.5	AH-5	12(1)
LEW 87037	H-5 chondrite	232.2	?	12(1)
LEW 87038	L-6 chondrite	428.2	AI-4	12(1)
LEW 87039	H-6 chondrite	309.4	AI-5	12(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 87040	L-6 chondrite	418.2	AH-5	12(1)
LEW 87041	H-5 chondrite	181.6	SL-12*	12(1)
LEW 87042	L-6 chondrite	212.1	AJ-4	12(1)
LEW 87043	H-5 chondrite	201.8	†	12(1)
LEW 87044	H-6 chondrite	534.8	AH-4	12(1)
LEW 87045	L-6 chondrite	245.1	AJ-4	12(1)
LEW 87046	L-6 chondrite	440.2	AI-4	12(1)
LEW 87047	H-6 chondrite	455.7	AI-5	12(1)
LEW 87048	H-6 chondrite	277.6	AI-4	12(1)
LEW 87049	L-4 chondrite	309.7	AI-5	12(1)
LEW 87050	H-6 chondrite	129.7	AH-4	12(1)
LEW 87051	Angrite	0.6	AH-5	12(1)
LEW 87052	H-6 chondrite	2.8	NG-6	12(1)
LEW 87053	Howardite	0.4	AH-5	12(1)
LEW 87054	H-5 chondrite	5.8	NH-6	15(1)
LEW 87055	H-6 chondrite	150.0	†	12(1)
LEW 87056	Aubrite	0.1	AH-5	16(1)
LEW 87057	E-3 chondrite	0.4	AH-4	15(1)
LEW 87058	L-6 chondrite	7.3	NG-3	12(1)
LEW 87059	H-5 chondrite	13.2	AH-5	15(1)
LEW 87060	H-6 chondrite	0.8	AH-5	12(1)
LEW 87061	L-6 chondrite	14.0	NI-3	12(1)
LEW 87062	L-6 chondrite	24.0	NH-3	12(1)
LEW 87063	H-6 chondrite	25.0	NG-3	12(1)
LEW 87064	H-3 chondrite	6.7	NG-4	15(1)
LEW 87065	L-5 chondrite	6.1	NG-4	15(1)
LEW 87066	L-6 chondrite	7.2	NH-4	12(1)
LEW 87068	H-6 chondrite	30.1	NH-4	15(1)
LEW 87069	L-6 chondrite	10.3	NG-4	12(1)
LEW 87070	L-5 chondrite	2.6	NH-5	12(1)
LEW 87071	LL-6 chondrite	5.3	NG-4	12(1)
LEW 87072	L-6 chondrite	11.1	NH-4	12(1)
LEW 87073	H-5 chondrite	13.3	NG-3	15(1)
LEW 87074	H-5 chondrite	12.8	NH-4	15(1)
LEW 87075	H-5 chondrite	13.7	NG-4	15(1)
LEW 87076	H-6 chondrite	51.7	NG-3	12(1)
LEW 87077	H-5 chondrite	8.4	NH-4	15(1)
LEW 87078	H-6 chondrite	6.2	NG-4	15(1)
LEW 87079	H-5 chondrite	5.2	NG-4	15(1)
LEW 87080	H-5 chondrite	10.6	NG-4	15(1)
LEW 87081	H-5 chondrite	24.3	NG-4	15(1)
LEW 87082	H-5 chondrite	14.3	NG-4	15(1)
LEW 87083	L-6 chondrite	82.9	NG-4	12(1)
LEW 87084	H-5 chondrite	8.5	NG-3	15(1)
LEW 87085	H-5 chondrite	9.3	NH-3	15(1)
LEW 87086	H-5 chondrite	8.0	NH-4	15(1)
LEW 87087	H-5 chondrite	23.0	NG-4	15(1)
LEW 87088	H-4 chondrite	12.7	NG-4	15(1)
LEW 87089	H-5 chondrite	6.8	NH-4	15(1)
LEW 87090	L-6 chondrite	12.5	AH-5	12(1)
LEW 87091	H-6 chondrite	4.0	AH-5	12(1)
LEW 87092	H-6 chondrite	15.3	AH-5	12(1)
LEW 87093	L-3 chondrite	7.0	NG-4	15(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 87094	L-6 chondrite	2.6	AH-5	15(2)
LEW 87095	H-5 chondrite	75.3	AI-5	12(1)
LEW 87096	H-6 chondrite	2.6	AH-5	15(1)
LEW 87097	H-5 chondrite	4.3	AH-5	15(1)
LEW 87098	H-5 chondrite	11.6	NH-4	15(1)
LEW 87099	H-5 chondrite	2.4	NG-4	15(1)
LEW 87100	H-6 chondrite	0.6	AH-4	15(1)
LEW 87102	H-6 chondrite	15.8	NG-4	12(1)
LEW 87104	H-6 chondrite	9.6	AH-5	12(1)
LEW 87105	H-6 chondrite	15.9	NG-4	12(1)
LEW 87106	H-6 chondrite	81.6	AH-5	12(1)
LEW 87107	L-6 chondrite	20.4	NH-4	12(1)
LEW 87108	H-5 chondrite	7.3	NG-4	15(1)
LEW 87109	Iron	0.9	NG-4	12(3)
LEW 87110	H-5 chondrite	12.3	NG-4	15(1)
LEW 87112	L-5 chondrite	8.0	NH-4	15(1)
LEW 87113	L-6 chondrite	97.8	AI-4	12(1)
LEW 87114	L-6 chondrite	3.1	AI-5	12(1)
LEW 87115	H-6 chondrite	30.4	NG-4	14(2)
LEW 87116	H-5 chondrite	6.6	NH-4	15(1)
LEW 87117	H-6 chondrite	6.7	NG-4	15(1)
LEW 87118	L-6 chondrite	27.2	AI-4	12(1)
LEW 87119	E-6 chondrite	12.0	NG-4	12(1)
LEW 87120	L-6 chondrite	6.3	NG-4	12(1)
LEW 87121	H-5 chondrite	3.8	NH-5	15(1)
LEW 87122	L-6 chondrite	2.1	NG-5	12(1)
LEW 87123	LL-6 chondrite	43.9	NG-4	12(1)
LEW 87124	H-6 chondrite	3.7	NG-5	15(1)
LEW 87125	H-6 chondrite	4.3	NH-6	12(1)
LEW 87126	L-6 chondrite	15.8	NG-6	12(1)
LEW 87127	H-6 chondrite	12.7	NG-5	14(2)
LEW 87128	H-5 chondrite	18.5	NG-4	14(2)
LEW 87129	L-5 chondrite	10.2	NH-5	14(2)
LEW 87133	L-4 chondrite	2.4	NH-5	15(1)
LEW 87134	H-6 chondrite	9.6	NG-5	15(1)
LEW 87135	L-6 chondrite	11.0	NH-5	12(1)
LEW 87136	H-5 chondrite	4.0	NH-4	12(1)
LEW 87137	L-4 chondrite	20.7	NG-4	14(2)
LEW 87138	H-6 chondrite	4.9	NG-4	15(1)
LEW 87139	H-5 chondrite	2.4	NH-5	15(1)
LEW 87140	LL-6 chondrite	7.7	NH-5	12(1)
LEW 87141	H-6 chondrite	7.9	AI-5	15(1)
LEW 87142	H-6 chondrite	4.1	AI-5	12(1)
LEW 87143	L-6 chondrite	112.9	AH-4	12(1)
LEW 87144	H-5 chondrite	22.3	SL-12*	14(2)
LEW 87145	L-6 chondrite	9.7	AH-5	12(1)
LEW 87146	LL-6 chondrite	2.0	AH-4	12(1)
LEW 87147	L-4 chondrite	5.7	AI-5	15(1)
LEW 87148	Carbonaceous C2	42.5	AI-4	12(1)
LEW 87149	L-6 chondrite	2.1	AH-4	12(1)
LEW 87150	H-5 chondrite	16.8	AH-4	14(2)
LEW 87151	LL-6 chondrite	21.5	AI-4	12(1)
LEW 87152	L-6 chondrite	0.6	AH-4	12(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 87153	L-6 chondrite	34.1	AI-5	12(1)
LEW 87154	H-6 chondrite	61.4	AI-5	12(1)
LEW 87155	H-5 chondrite	54.0	AI-4	12(1)
LEW 87156	L-5 chondrite	0.5	AH-5	15(1)
LEW 87157	H-5 chondrite	19.4	AH-4	14(2)
LEW 87158	L-6 chondrite	28.9	AI-5	12(1)
LEW 87159	LL-6 chondrite	0.3	AH-4	12(1)
LEW 87160	H-5 chondrite	0.6	AH-5	15(1)
LEW 87161	H-6 chondrite	20.0	AH-4	12(1)
LEW 87162	H-5 chondrite	35.3	AH-4	14(2)
LEW 87163	H-5 chondrite	0.3	AI-5	15(1)
LEW 87164	L-6 chondrite	0.7	AH-5	15(1)
LEW 87165	Ureilite	5.0	AH-5	12(1)
LEW 87166	L-6 chondrite	122.7	AJ-4	12(1)
LEW 87167	Carbonaceous C2	1.4	AH-5	11(2)
LEW 87169	L-6 chondrite	169.8	AJ-4	12(1)
LEW 87170	L-6 chondrite	0.2	AH-4	12(1)
LEW 87171	H-5 chondrite	95.6	AI-4	12(1)
LEW 87172	H-5 chondrite	93.2	AI-5	12(1)
LEW 87173	L-6 chondrite	45.1	AH-5	12(1)
LEW 87174	L-6 chondrite	101.5	AI-4	12(1)
LEW 87175	L-6 chondrite	127.4	AI-3	12(1)
LEW 87176	H-6 chondrite	34.2	AH-4	14(2)
LEW 87177	H-5 chondrite	12.2	AH-5	14(2)
LEW 87179	L-6 chondrite	4.9	SL-4	12(1)
LEW 87180	H-4 chondrite	36.6	SL-4	15(2)
LEW 87181	LL-6 chondrite	38.3	†	12(1)
LEW 87182	L-6 chondrite	60.1	AH-5	12(1)
LEW 87183	H-5 chondrite	57.9	SL-11*	12(1)
LEW 87184	H-5 chondrite	47.2	SL-11*	15(2)
LEW 87185	H-5 chondrite	5.4	SL-11*	15(2)
LEW 87186	H-5 chondrite	27.4	SL-11*	15(2)
LEW 87187	L-6 chondrite	6.3	SL-12*	12(1)
LEW 87188	H-5 chondrite	11.0	SL-12*	15(2)
LEW 87189	H-6 chondrite	30.6	SL-12*	12(1)
LEW 87190	H-5 chondrite	24.1	NG-4	15(2)
LEW 87191	H-5 chondrite	6.7	SL-11*	15(2)
LEW 87192	L-6 chondrite	24.0	†	12(1)
LEW 87193	L-6 chondrite	24.6	SL-12*	12(1)
LEW 87194	H-6 chondrite	57.7	AH-5	12(1)
LEW 87195	H-5 chondrite	22.1	AH-4	15(2)
LEW 87196	L-6 chondrite	83.3	AJ-4	12(1)
LEW 87197	H-5 chondrite	10.4	SL-11*	15(2)
LEW 87198	H-5 chondrite	47.2	SL-11*	15(2)
LEW 87199	L-6 chondrite	113.7	SL-11*	12(1)
LEW 87200	H-4 chondrite	17.1	†	15(2)
LEW 87201	H-5 chondrite	19.5	SL-11*	15(2)
LEW 87202	H-5 chondrite	20.8	SL-12*	15(2)
LEW 87203	H-6 chondrite	20.7	SL-11*	12(1)
LEW 87204	H-5 chondrite	47.7	SL-11*	15(2)
LEW 87205	H-5 chondrite	51.3	SL-12*	12(1)
LEW 87206	H-5 chondrite	6.3	SL-12*	15(2)
LEW 87207	H-4 chondrite	40.2	SL-11*	14(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 87208	L-3 chondrite	34.5	†	12(1)
LEW 87209	H-4 chondrite	53.6	AH-5	12(1)
LEW 87210	H-5 chondrite	119.5	AJ-3	15(2)
LEW 87212	H-6 chondrite	7.7	SL-12*	15(1)
LEW 87213	H-4 chondrite	56.1	AH-5	12(1)
LEW 87214	Carbonaceous C4	0.4	AH-4	12(1)
LEW 87215	H-5 chondrite	26.3	SL-12*	15(2)
LEW 87216	H-5 chondrite	7.3	SL-12*	15(2)
LEW 87217	H-5 chondrite	25.6	SL-12*	15(2)
LEW 87218	L-6 chondrite	0.8	AH-4	12(1)
LEW 87219	H-5 chondrite	21.5	SL-12*	15(2)
LEW 87220	E-3 chondrite	6.7	AH-4	15(2)
LEW 87221	H-6 chondrite	15.1	AH-4	12(1)
LEW 87222	H-5 chondrite	51.9	SL-12*	12(1)
LEW 87223	E-3 chondrite	110.3	AJ-4	12(1)
LEW 87224	L-6 chondrite	149.3	AI-4	12(1)
LEW 87225	H-5 chondrite	9.1	SL-12*	15(2)
LEW 87226	L-6 chondrite	1.1	AJ-4	12(1)
LEW 87228	H-6 chondrite	2.4	AI-5	15(2)
LEW 87230	H-6 chondrite	175.1	AI-4	12(1)
LEW 87231	H-6 chondrite	75.1	AI-5	12(1)
LEW 87232	Carbonaceous C2R	23.1	AH-5	15(2)
LEW 87233	H-5 chondrite	36.6	SL-12*	15(2)
LEW 87234	E-3 chondrite	34.2	AI-4	15(2)
LEW 87235	LL-6 chondrite	1.1	AH-5	12(1)
LEW 87236	H-5 chondrite	23.5	SL-12*	15(2)
LEW 87237	E-3 chondrite	1.9	AH-4	15(1)
LEW 87239	L-6 chondrite	3.6	AH-5	12(1)
LEW 87240	H-5 chondrite	44.3	SL-12*	12(1)
LEW 87241	Fusion crust-H chondrite ?	0.5	AH-4	12(1)
LEW 87242	H-5 chondrite	17.3	SL-12*	14(2)
LEW 87243	H-5 chondrite	34.8	SL-12*	14(2)
LEW 87244	L-6 chondrite	35.6	AI-5	12(1)
LEW 87245	H-5 chondrite	27.5	AI-3	14(2)
LEW 87246	H-5 chondrite	31.3	AH-5	14(2)
LEW 87247	L-6 chondrite	67.6	AI-5	12(1)
LEW 87248	L-3 chondrite	13.8	†	12(1)
LEW 87249	Carbonaceous C2	3.1	AH-5	11(2)
LEW 87250	Carbonaceous C4	1.7	AH-5	12(3)
LEW 87251	LL-6 chondrite	0.7	AH-5	15(1)
LEW 87252	L-6 chondrite	0.6	AH-4	12(1)
LEW 87253	H-6 chondrite	3.9	SL-11*	12(1)
LEW 87254	LL-3 chondrite	12.8	†	12(1)
LEW 87255	H-5 chondrite	39.7	SL-12*	14(2)
LEW 87256	H-5 chondrite	6.6	SL-12*	15(1)
LEW 87257	H-6 chondrite	13.5	SL-12*	14(2)
LEW 87258	H-5 chondrite	55.0	SL-12*	12(1)
LEW 87259	H-5 chondrite	9.6	AH-4	15(2)
LEW 87260	H-5 chondrite	37.0	SL-12*	14(2)
LEW 87261	H-5 chondrite	89.1	SL-12*	12(1)
LEW 87262	H-5 chondrite	15.9	SL-12*	14(2)
LEW 87263	H-6 chondrite	67.5	AH-5	12(1)
LEW 87264	L-6 chondrite	3.4	AH-5	12(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 87265	H-6 chondrite	9.4	SL-12*	15(1)
LEW 87266	H-6 chondrite	5.0	AI-5	15(1)
LEW 87267	H-5 chondrite	91.1	SL-11*	12(1)
LEW 87268	H-5 chondrite	55.4	SL-12*	12(1)
LEW 87269	H-5 chondrite	25.3	SL-12*	14(2)
LEW 87270	H-5 chondrite	42.2	SL-12*	14(2)
LEW 87271	Carbonaceous C2	0.9	AH-4	11(2)
LEW 87272	H-5 chondrite	3.6	SL-12*	15(1)
LEW 87273	H-6 chondrite	48.2	SL-12*	12(1)
LEW 87274	H-5 chondrite	34.2	SL-12*	14(2)
LEW 87275	H-5 chondrite	7.7	SL-12*	15(1)
LEW 87276	H-5 chondrite	11.7	SL-12*	14(2)
LEW 87277	H-5 chondrite	89.5	SL-12*	12(1)
LEW 87278	H-5 chondrite	31.4	SL-12*	15(1)
LEW 87279	LL-6 chondrite	80.0	AI-4	12(1)
LEW 87280	H-5 chondrite	2.6	SL-12*	15(1)
LEW 87281	L-4 chondrite	24.9	SL-11*	15(2)
LEW 87282	H-5 chondrite	41.0	SL-12*	14(2)
LEW 87283	H-5 chondrite	33.3	SL-12*	14(2)
LEW 87284	L-3 chondrite	38.6	†	12(3)
LEW 87285	E-3 chondrite	0.5	AH-4	15(1)
LEW 87286	H-5 chondrite	3.9	SL-12*	15(1)
LEW 87287	H-5 chondrite	22.5	SL-12*	14(2)
LEW 87288	H-5 chondrite	8.8	SL-12*	15(1)
LEW 87289	L-6 chondrite	30.4	AJ-3	12(3)
LEW 87290	H-5 chondrite	20.6	SL-12*	14(2)
LEW 87291	H-5 chondrite	61.4	SL-12*	12(3)
LEW 87293	H-6 chondrite	0.8	AH-4	15(2)
LEW 87294	Aubrite	3.9	AH-5	11(2)
LEW 87295	Eucrite	20.0	AI-5	14(1)
LEW 88001	Carbonaceous C2	44.9	SM-5	13(2)
LEW 88002	Carbonaceous C2	7.2	SN-3	13(2)
LEW 88003	Carbonaceous C2	1.7	SL-4	13(2)
LEW 88005	Eucrite	253.9	NF-4	12(3)
LEW 88006	Ureilite	27.0	SN-3	13(2)
LEW 88007	Eucrite	8.4	SM-4	13(2)
LEW 88008	Diogenite	17.9	ND-6	13(2)
LEW 88009	Eucrite (unbrecciated)	11.7	SL-4	13(2)
LEW 88010	Eucrite (unbrecciated)	7.1	NC-6	13(2)
LEW 88011	Diogenite	2.0	SN-4	13(2)
LEW 88012	Ureilite	3.8	NF-5	13(2)
LEW 88013	H-5 chondrite	219.1	SM-3	12(3)
LEW 88014	H-5 chondrite	466.5	SM-10	12(3)
LEW 88015	L-6 chondrite	528.2	†	12(3)
LEW 88016	L-6 chondrite	308.0	NG-4	13(2)
LEW 88017	L-6 chondrite	263.9	NE-5	13(2)
LEW 88018	L-6 chondrite	215.1	SP-2	13(2)
LEW 88019	H-4 chondrite	238.0	NB-8	13(2)
LEW 88020	H-4 chondrite	107.3	NB-8	13(2)
LEW 88021	L-4 chondrite	731.0	SK-3	14(2)
LEW 88022	H-5 chondrite	1274.3	NF-4	14(2)
LEW 88023	Iron with silica inclusion	8.0	?	12(3)
LEW 88024	H-5 chondrite	23.1	NG-4	13(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88025	H-5 chondrite	31.4	NF-7	13(2)
LEW 88026	H-5 chondrite	9.0	NG-4	13(2)
LEW 88027	H-5 chondrite	10.9	NF-6	13(2)
LEW 88028	H-6 chondrite	6.7	NG-4	13(3)
LEW 88029	H-5 chondrite	10.6	NC-7	13(2)
LEW 88030	H-5 chondrite	35.2	NE-5	13(3)
LEW 88031	L-6 chondrite	6.1	NE-5	13(2)
LEW 88032	L-5 chondrite	11.2	NF-6	13(3)
LEW 88033	L-3 chondrite	1.9	NF-6	13(3)
LEW 88034	H-5 chondrite	7.3	NG-4	13(3)
LEW 88035	H-5 chondrite	6.1	NG-4	13(3)
LEW 88036	H-5 chondrite	4.1	NG-4	13(3)
LEW 88037	H-5 chondrite	3.8	NE-6	13(3)
LEW 88038	L-6 chondrite	4.2	NE-7	13(2)
LEW 88039	L-6 chondrite	14.9	NE-5	13(2)
LEW 88040	H-5 chondrite	10.6	NG-4	13(3)
LEW 88041	L-6 chondrite	9.2	NF-6	13(3)
LEW 88042	H-6 chondrite	7.0	NE-5	13(2)
LEW 88043	L-6 chondrite	8.3	NE-5	13(2)
LEW 88044	L-5 chondrite	7.9	NF-5	13(3)
LEW 88045	H-6 chondrite	3.6	NE-5	13(2)
LEW 88046	H-5 chondrite	5.5	NE-5	13(3)
LEW 88047	H-5 chondrite	6.8	NF-6	13(3)
LEW 88048	H-6 chondrite	3.9	NF-6	13(2)
LEW 88049	L-6 chondrite	1.9	NE-5	13(2)
LEW 88050	H-6 chondrite	6.2	NG-4	13(2)
LEW 88051	H-5 chondrite	7.2	NG-4	13(3)
LEW 88052	H-5 chondrite	0.5	NE-5	13(3)
LEW 88053	H-5 chondrite	6.3	NG-4	13(3)
LEW 88054	H-5 chondrite	6.1	NG-4	13(3)
LEW 88055	Iron, anomalous	1.7	NF-5	13(3)
LEW 88056	L-6 chondrite	3.0	NG-4	13(2)
LEW 88057	H-5 chondrite	8.4	NF-5	13(3)
LEW 88058	L-6 chondrite	66.7	NE-6	13(2)
LEW 88059	L-6 chondrite	10.8	NG-4	13(3)
LEW 88060	L-6 chondrite	24.6	NE-5	13(2)
LEW 88061	L-6 chondrite	2.3	NE-5	13(2)
LEW 88062	H-5 chondrite	8.9	NF-6	13(3)
LEW 88063	L-6 chondrite	22.8	NE-5	13(2)
LEW 88064	H-5 chondrite	28.9	NE-4	13(3)
LEW 88065	H-5 chondrite	9.1	NE-4	13(3)
LEW 88066	L-6 chondrite	7.5	NE-5	13(2)
LEW 88067	L-6 chondrite	11.5	NG-4	13(2)
LEW 88068	L-4 chondrite	8.0	NE-5	13(3)
LEW 88069	L-6 chondrite	3.5	NE-4	13(2)
LEW 88070	H-6 chondrite	5.5	NE-5	13(3)
LEW 88071	H-6 chondrite	8.3	NG-4	13(3)
LEW 88072	H-6 chondrite	32.6	NG-5	13(3)
LEW 88073	L-6 chondrite	3.2	NE-4	13(3)
LEW 88074	H-6 chondrite	2.2	NG-4	13(3)
LEW 88075	L-6 chondrite	6.9	NE-5	13(3)
LEW 88076	H-6 chondrite	4.2	NE-5	13(3)
LEW 88077	H-6 chondrite	20.6	NE-4	13(3)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88078	L-5 chondrite	9.7	NE-5	13(3)
LEW 88079	H-5 chondrite	7.0	NE-5	13(3)
LEW 88080	H-5 chondrite	11.0	NG-4	13(3)
LEW 88081	H-5 chondrite	11.5	NG-4	13(3)
LEW 88082	L-6 chondrite	27.2	NG-4	13(3)
LEW 88083	H-6 chondrite	7.9	NE-4	13(3)
LEW 88084	H-6 chondrite	36.2	NG-4	13(3)
LEW 88085	H-5 chondrite	7.3	NE-5	13(3)
LEW 88086	H-6 chondrite	4.4	NE-5	13(3)
LEW 88087	L-6 chondrite	14.3	NG-4	13(3)
LEW 88088	H-5 chondrite	25.5	NE-4	13(3)
LEW 88089	L-5 chondrite	7.7	NG-4	13(3)
LEW 88090	H-6 chondrite	7.8	NG-5	13(3)
LEW 88091	H-5 chondrite	3.5	NG-4	13(3)
LEW 88092	H-5 chondrite	11.9	NG-4	13(3)
LEW 88093	H-5 chondrite	3.8	NG-4	13(3)
LEW 88094	H-6 chondrite	12.3	NG-4	13(3)
LEW 88095	H-6 chondrite	11.9	NG-4	13(3)
LEW 88096	H-5 chondrite	5.2	NG-4	13(3)
LEW 88097	H-5 chondrite	9.1	NG-4	13(3)
LEW 88098	L-6 chondrite	12.3	NG-4	13(3)
LEW 88099	H-5 chondrite	7.0	NG-4	13(3)
LEW 88100	H-6 chondrite	21.6	NG-4	13(3)
LEW 88102	H-6 chondrite	10.9	NG-3	13(3)
LEW 88103	L-6 chondrite	3.8	NC-6	13(3)
LEW 88104	H-6 chondrite	11.9	NF-5	13(3)
LEW 88105	H-5 chondrite	9.5	NG-4	13(3)
LEW 88106	H-6 chondrite	19.6	NH-4	16(1)
LEW 88107	H-5 chondrite	9.0	NH-4	13(3)
LEW 88108	L-5 chondrite	12.6	SM-3	13(3)
LEW 88109	L-5 chondrite	19.8	NG-4	13(3)
LEW 88110	H-6 chondrite	33.7	NG-4	13(3)
LEW 88111	H-5 chondrite	25.2	SL-4	13(3)
LEW 88112	L-4 chondrite	9.9	NG-3	13(3)
LEW 88113	L-6 chondrite	7.4	SL-4	13(3)
LEW 88114	H-5 chondrite	9.3	NG-4	13(3)
LEW 88115	H-5 chondrite	17.0	NG-4	13(3)
LEW 88116	H-5 chondrite	73.1	NG-3	13(3)
LEW 88117	H-5 chondrite	7.1	NG-4	13(3)
LEW 88118	L-6 chondrite	11.1	NG-4	13(3)
LEW 88119	H-6 chondrite	39.4	NG-3	13(3)
LEW 88120	H-5 chondrite	32.1	NG-3	13(3)
LEW 88121	H-3 chondrite	15.6	NG-3	13(3)
LEW 88122	H-5 chondrite	8.3	SM-4	13(3)
LEW 88123	L-6 chondrite	3.8	NG-3	13(3)
LEW 88124	LL-6 chondrite	4.3	NH-4	13(3)
LEW 88125	L-6 chondrite	23.4	NG-3	13(3)
LEW 88126	H-5 chondrite	3.8	SL-4	13(3)
LEW 88127	H-5 chondrite	8.8	NG-4	13(3)
LEW 88128	H-6 chondrite	3.4	SK-4	13(3)
LEW 88129	H-6 chondrite	17.9	NC-9	13(3)
LEW 88130	H-5 chondrite	4.9	NG-5	15(1)
LEW 88131	H-6 chondrite	4.5	SM-4	13(3)



Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88132	H-5 chondrite	7.1	?	15(1)
LEW 88133	L-5 chondrite	3.5	NE-5	15(1)
LEW 88134	L-6 chondrite	5.7	NE-4	13(3)
LEW 88135	E-6 chondrite	16.0	SJ-3	14(2)
LEW 88136	H-6 chondrite	34.6	NF-4	13(3)
LEW 88137	H-4 chondrite	26.1	NE-4	13(3)
LEW 88138	H-5 chondrite	6.2	NE-4	15(1)
LEW 88139	L-6 chondrite	5.1	SL-4	13(3)
LEW 88140	H-5 chondrite	10.4	NF-4	14(2)
LEW 88141	H-6 chondrite	4.9	NE-5	15(1)
LEW 88142	H-6 chondrite	6.6	NE-4	15(1)
LEW 88143	H-5 chondrite	53.4	NE-4	13(3)
LEW 88144	H-6 chondrite	18.8	NF-4	14(2)
LEW 88145	H-5 chondrite	3.4	NE-5	15(2)
LEW 88146	L-3 chondrite	5.0	NE-4	13(3)
LEW 88147	H-5 chondrite	19.7	NF-4	14(2)
LEW 88148	H-5 chondrite	4.4	NE-4	15(2)
LEW 88149	H-5 chondrite	1.5	SM-4	15(2)
LEW 88150	H-5 chondrite	3.7	SL-4	14(2)
LEW 88151	H-5 chondrite	5.9	NF-4	15(2)
LEW 88152	H-6 chondrite	2.9	SM-4	14(2)
LEW 88153	H-5 chondrite	1.0	SL-4	15(2)
LEW 88154	H-6 chondrite	1.5	SM-4	15(2)
LEW 88155	H-5 chondrite	19.7	NE-5	14(2)
LEW 88156	H-4 chondrite	32.0	NF-4	13(3)
LEW 88157	H-5 chondrite	22.1	NG-4	13(3)
LEW 88158	H-5 chondrite	35.1	NF-4	13(3)
LEW 88159	H-5 chondrite	32.8	SJ-3	13(3)
LEW 88160	H-5 chondrite	21.1	NG-5	13(3)
LEW 88161	H-4 chondrite	22.0	NG-4	13(3)
LEW 88162	H-5 chondrite	29.1	NC-5	13(3)
LEW 88163	H-4 chondrite	79.1	NF-4	13(3)
LEW 88164	L-6 chondrite	74.2	ND-6	13(3)
LEW 88165	L-6 chondrite	52.3	ND-6	13(3)
LEW 88166	H-6 chondrite	26.4	NF-4	13(3)
LEW 88167	H-5 chondrite	59.1	NG-4	13(3)
LEW 88168	H-4 chondrite	23.0	NF-4	13(3)
LEW 88169	L-6 chondrite	100.8	NF-6	13(3)
LEW 88170	L-5 chondrite	14.9	NF-6	13(3)
LEW 88171	H-5 chondrite	21.4	ND-5	13(3)
LEW 88172	H-5 chondrite	20.0	NC-5	13(3)
LEW 88173	H-5 chondrite	51.3	NE-5	13(3)
LEW 88174	H-4 chondrite	103.8	NF-3	13(3)
LEW 88175	LL-3 chondrite	111.3	ND-5	13(3)
LEW 88176	LL-3 chondrite	7.5	NG-4	14(2)
LEW 88177	L-6 chondrite	83.8	NE-5	13(3)
LEW 88178	L-6 chondrite	55.4	SO-2	13(3)
LEW 88179	H-6 chondrite	18.6	NF-4	13(3)
LEW 88180	E-6 chondrite	46.5	ND-5	13(3)
LEW 88181	H-5 chondrite	34.7	NG-4	13(3)
LEW 88182	L-6 chondrite	53.0	SO-3	13(3)
LEW 88183	H-6 chondrite	17.5	SL-3	13(3)
LEW 88184	L-5 chondrite	47.6	SO-3	13(3)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88185	L-5 chondrite	45.5	SN-4	13(3)
LEW 88186	H-6 chondrite	47.1	SO-2	13(3)
LEW 88187	L-6 chondrite	35.4	SM-3	13(3)
LEW 88188	L-6 chondrite	45.1	SL-3	13(3)
LEW 88189	L-6 chondrite	43.8	SN-4	13(3)
LEW 88190	L-6 chondrite	131.3	SN-4	13(3)
LEW 88191	H-6 chondrite	32.0	SM-3	13(3)
LEW 88192	L-5 chondrite	39.2	SN-4	13(3)
LEW 88193	H-5 chondrite	37.5	SL-3	13(3)
LEW 88194	L-5 chondrite	20.5	SN-3	13(3)
LEW 88195	L-6 chondrite	45.1	SM-3	13(3)
LEW 88196	L-6 chondrite	36.2	SL-3	13(3)
LEW 88197	H-6 chondrite	48.0	SM-3	13(3)
LEW 88198	H-6 chondrite	71.7	SN-3	13(3)
LEW 88199	H-5 chondrite	69.0	SP-3	13(3)
LEW 88200	H-5 chondrite	56.0	NC-8	13(3)
LEW 88201	Ureilite	46.4	SN-2	13(3)
LEW 88202	H-5 chondrite	36.4	SM-4	13(3)
LEW 88203	H-5 chondrite	30.9	NF-4	13(3)
LEW 88204	L-5 chondrite	21.3	NF-4	13(3)
LEW 88205	H-5 chondrite	44.0	NG-4	13(3)
LEW 88206	H-5 chondrite	34.4	SP-3	13(3)
LEW 88207	H-5 chondrite	21.3	NF-4	13(3)
LEW 88208	L-5 chondrite	30.5	NG-5	13(3)
LEW 88209	H-5 chondrite	17.8	NG-4	14(2)
LEW 88210	L-6 chondrite	60.9	SO-4	13(3)
LEW 88211	L-6 chondrite	33.4	NF-5	13(3)
LEW 88212	H-5 chondrite	47.5	NE-7	13(3)
LEW 88213	H-5 chondrite	34.3	NF-4	13(3)
LEW 88214	H-5 chondrite	76.5	NG-4	13(3)
LEW 88215	H-6 chondrite	29.8	NF-4	13(3)
LEW 88216	L-6 chondrite	13.1	NF-5	13(3)
LEW 88217	L-6 chondrite	13.5	NE-6	13(3)
LEW 88218	H-6 chondrite	37.0	NG-4	13(3)
LEW 88219	H-5 chondrite	38.7	NG-4	13(3)
LEW 88220	L-6 chondrite	5.2	SO-3	13(3)
LEW 88221	L-5 chondrite	20.4	SO-3	14(2)
LEW 88222	L-5 chondrite	5.4	NC-6	14(2)
LEW 88223	H-6 chondrite	6.7	SN-3	13(3)
LEW 88224	H-6 chondrite	4.3	NC-5	13(3)
LEW 88225	L-6 chondrite	21.0	NB-5	13(3)
LEW 88226	L-6 chondrite	9.8	NB-5	13(3)
LEW 88227	L-6 chondrite	7.9	NC-6	13(3)
LEW 88228	L-4 chondrite	3.9	ND-6	14(2)
LEW 88229	H-6 chondrite	3.4	NC-6	13(3)
LEW 88230	H-4 chondrite	8.8	NC-5	15(2)
LEW 88231	H-6 chondrite	2.5	NC-6	13(3)
LEW 88232	LL-6 chondrite	6.0	ND-5	14(2)
LEW 88233	H-6 chondrite	12.8	NC-6	13(3)
LEW 88234	L-6 chondrite	7.3	NC-5	13(3)
LEW 88236	H-5 chondrite	9.1	ND-5	15(2)
LEW 88237	H-6 chondrite	5.2	NC-6	15(2)
LEW 88238	H-5 chondrite	4.3	NE-6	14(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88239	H-6 chondrite	5.3	NC-6	15(2)
LEW 88240	H-6 chondrite	9.8	NB-5	13(3)
LEW 88242	H-6 chondrite	5.1	NC-6	15(2)
LEW 88243	H-5 chondrite	12.7	SN-3	14(2)
LEW 88244	L-5 chondrite	3.9	NC-6	13(3)
LEW 88245	L-6 chondrite	6.3	NC-5	13(3)
LEW 88246	L-4 chondrite	11.1	NC-6	14(2)
LEW 88247	H-5 chondrite	10.5	NC-5	14(2)
LEW 88248	L-6 chondrite	13.5	NC-5	13(3)
LEW 88249	H-5 chondrite	4.2	ND-5	15(2)
LEW 88250	H-6 chondrite	5.5	ND-5	13(3)
LEW 88251	H-4 chondrite	3.8	NE-6	13(3)
LEW 88252	H-6 chondrite	1.8	NC-6	13(3)
LEW 88253	H-6 chondrite	20.4	SO-3	13(3)
LEW 88254	L-3 chondrite	13.5	NC-6	13(3)
LEW 88255	L-6 chondrite	3.8	NE-6	13(3)
LEW 88256	H-6 chondrite	4.6	NC-7	13(3)
LEW 88257	L-5 chondrite	9.4	ND-7	15(2)
LEW 88258	H-5 chondrite	21.9	SN-3	14(2)
LEW 88259	L-6 chondrite	22.1	SO-3	14(2)
LEW 88260	H-6 chondrite	6.4	NE-5	13(3)
LEW 88261	L-3 chondrite	17.6	SO-3	13(3)
LEW 88262	H-5 chondrite	13.6	SM-3	14(2)
LEW 88263	L-3 chondrite	8.8	SO-3	13(3)
LEW 88264	H-5 chondrite	16.5	ND-5	14(2)
LEW 88265	H-5 chondrite	3.8	NB-5	15(2)
LEW 88266	H-5 chondrite	16.8	ND-5	14(2)
LEW 88267	H-6 chondrite	12.4	NC-5	14(2)
LEW 88268	L-6 chondrite	2.7	ND-7	13(3)
LEW 88269	L-5 chondrite	7.6	NE-6	15(2)
LEW 88270	H-6 chondrite	9.3	SM-5	13(3)
LEW 88271	L-6 chondrite	11.9	SO-3	13(3)
LEW 88272	L-6 chondrite	3.1	ND-6	13(3)
LEW 88273	L-6 chondrite	4.1	NC-5	13(3)
LEW 88274	H-5 chondrite	6.0	ND-6	15(2)
LEW 88275	L-6 chondrite	11.7	NC-6	13(3)
LEW 88276	H-5 chondrite	8.9	NB-5	15(2)
LEW 88277	LL-5 chondrite	5.2	NC-5	13(3)
LEW 88278	L-6 chondrite	3.1	SO-3	15(2)
LEW 88279	L-6 chondrite	11.6	NB-5	14(2)
LEW 88280	Lodranite	6.0	SN-3	13(3)
LEW 88281	Ureilite	9.7	NC-6	13(3)
LEW 88282	L-6 chondrite	3.3	ND-6	13(3)
LEW 88283	H-4 chondrite	8.1	NC-5	14(2)
LEW 88284	L-6 chondrite	2.4	NE-5	13(3)
LEW 88285	L-6 chondrite	3.9	NC-6	13(3)
LEW 88286	L-3 chondrite	3.9	NE-6	15(2)
LEW 88287	H-5 chondrite	10.0	NB-5	14(2)
LEW 88288	L-6 chondrite	3.0	ND-6	13(3)
LEW 88289	H-5 chondrite	16.0	NC-6	14(2)
LEW 88290	H-6 chondrite	19.8	NC-5	14(2)
LEW 88291	H-5 chondrite	24.2	ND-5	14(1)
LEW 88292	H-6 chondrite	4.5	NC-6	15(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88293	H-6 chondrite	19.9	NC-5	14(2)
LEW 88294	H-5 chondrite	11.6	ND-6	14(2)
LEW 88295	H-6 chondrite	1.3	NE-6	15(2)
LEW 88296	H-6 chondrite	3.8	SO-3	15(2)
LEW 88297	H-6 chondrite	20.0	ND-6	14(1)
LEW 88298	L-6 chondrite	1.4	SM-5	14(1)
LEW 88299	H-5 chondrite	27.0	ND-4	16(2)
LEW 88300	H-5 chondrite	86.1	SK-3	14(2)
LEW 88301	H-6 chondrite	29.8	SK-4	14(1)
LEW 88302	H-5 chondrite	57.5	SM-3	14(2)
LEW 88303	H-4 chondrite	28.2	SK-4	14(2)
LEW 88304	L-6 chondrite	30.2	SK-3	14(1)
LEW 88305	H-6 chondrite	18.7	SP-3	14(2)
LEW 88306	L-6 chondrite	52.0	SP-4	14(1)
LEW 88307	H-6 chondrite	43.6	SP-2	14(1)
LEW 88308	L-5 chondrite	20.0	SK-4	14(2)
LEW 88309	H-5 chondrite	30.9	SK-3	14(2)
LEW 88310	L-6 chondrite	32.9	NG-4	14(1)
LEW 88311	L-5 chondrite	23.8	SJ-4	14(2)
LEW 88312	H-6 chondrite	32.1	SM-4	14(2)
LEW 88313	H-4 chondrite	32.0	SM-4	14(2)
LEW 88314	H-5 chondrite	20.0	SL-4	14(2)
LEW 88315	H-3 chondrite	25.1	SQ-2	14(2)
LEW 88316	L-5 chondrite	38.2	SM-4	14(2)
LEW 88317	L-6 chondrite	34.1	SN-3	14(1)
LEW 88318	H-6 chondrite	23.2	SJ-4	14(1)
LEW 88319	H-5 chondrite	30.3	SP-2	14(2)
LEW 88320	H-5 chondrite	105.2	SK-3	14(2)
LEW 88321	H-6 chondrite	70.3	NC-6	14(2)
LEW 88322	H-5 chondrite	32.8	ND-4	14(2)
LEW 88323	H-5 chondrite	53.0	SN-3	14(2)
LEW 88324	L-6 chondrite	48.2	NC-6	14(1)
LEW 88325	H-5 chondrite	41.6	ND-6	14(2)
LEW 88326	L-6 chondrite	47.0	NC-5	14(2)
LEW 88327	H-6 chondrite	48.5	ND-6	14(1)
LEW 88328	L-3 chondrite	43.1	SN-3	14(2)
LEW 88329	H-5 chondrite	34.1	ND-7	14(2)
LEW 88330	L-6 chondrite	30.0	NC-5	14(1)
LEW 88331	L-6 chondrite	29.5	SL-4	14(1)
LEW 88332	H-5 chondrite	23.9	SL-4	14(2)
LEW 88333	H-5 chondrite	40.5	SO-2	14(2)
LEW 88334	H-5 chondrite	40.4	NC-5	14(2)
LEW 88335	H-5 chondrite	19.0	SP-2	14(2)
LEW 88336	LL-3 chondrite	29.8	ND-5	14(2)
LEW 88337	H-5 chondrite	25.6	SL-4	14(2)
LEW 88338	L-6 chondrite	9.1	?	14(1)
LEW 88339	H-5 chondrite	26.7	NG-4	14(2)
LEW 88340	H-6 chondrite	24.5	NC-5	14(1)
LEW 88341	H-5 chondrite	22.7	SK-4	14(2)
LEW 88342	H-5 chondrite	19.7	SL-4	14(2)
LEW 88343	H-4 chondrite	28.1	SK-4	14(2)
LEW 88344	L-6 chondrite	26.6	SK-3	14(1)
LEW 88345	H-5 chondrite	19.1	SP-3	14(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88346	L-6 chondrite	18.2	SK-3	14(1)
LEW 88348	H-5 chondrite	17.7	SL-4	14(2)
LEW 88349	H-6 chondrite	16.3	SL-4	14(2)
LEW 88350	L-6 chondrite	13.1	NG-4	14(1)
LEW 88351	L-6 chondrite	21.3	SK-4	14(1)
LEW 88352	H-5 chondrite	11.0	NH-4	14(2)
LEW 88353	H-5 chondrite	13.2	NG-4	14(2)
LEW 88354	H-6 chondrite	8.7	NG-4	15(2)
LEW 88355	H-5 chondrite	18.3	SK-4	14(2)
LEW 88356	L-6 chondrite	9.2	NG-4	14(1)
LEW 88357	L-6 chondrite	13.5	SL-4	14(1)
LEW 88358	H-5 chondrite	14.5	NF-4	14(2)
LEW 88359	H-6 chondrite	17.9	NG-5	14(2)
LEW 88360	H-6 chondrite	18.3	NG-4	14(1)
LEW 88361	H-6 chondrite	14.6	NH-4	14(1)
LEW 88362	H-6 chondrite	16.7	NG-4	14(1)
LEW 88363	H-4 chondrite	11.2	NG-4	14(2)
LEW 88365	H-5 chondrite	4.4	NH-4	15(2)
LEW 88366	LL-3 chondrite	3.6	NG-5	14(1)
LEW 88367	H-3 chondrite	14.0	NG-4	14(2)
LEW 88368	H-6 chondrite	22.3	NG-4	14(1)
LEW 88369	H-5 chondrite	33.2	NG-5	14(2)
LEW 88370	L-5 chondrite	4.0	ND-5	15(2)
LEW 88371	H-6 chondrite	6.6	ND-5	14(2)
LEW 88372	LL-6 chondrite	8.7	ND-6	14(2)
LEW 88373	H-5 chondrite	4.2	NE-5	14(2)
LEW 88374	L-4 chondrite	13.2	ND-5	14(2)
LEW 88375	H-6 chondrite	12.9	ND-5	14(2)
LEW 88376	LL-6 chondrite	7.9	ND-6	14(1)
LEW 88377	H-5 chondrite	3.9	NE-5	14(2)
LEW 88378	L-5 chondrite	9.6	ND-5	14(2)
LEW 88379	H-5 chondrite	11.4	ND-5	14(2)
LEW 88381	H-5 chondrite	1.7	NE-5	15(2)
LEW 88382	H-6 chondrite	4.1	ND-5	14(1)
LEW 88383	H-4 chondrite	10.7	ND-5	14(2)
LEW 88384	H-4 chondrite	10.7	ND-5	14(2)
LEW 88385	H-6 chondrite	3.1	NE-5	15(2)
LEW 88386	H-6 chondrite	7.3	NE-5	14(1)
LEW 88387	H-5 chondrite	15.8	ND-5	14(2)
LEW 88388	L-6 chondrite	3.8	NE-5	15(2)
LEW 88390	H-4 chondrite	8.2	ND-5	15(2)
LEW 88391	H-5 chondrite	15.7	ND-5	14(2)
LEW 88392	H-5 chondrite	8.1	NC-5	15(2)
LEW 88393	H-3 chondrite	12.2	NE-5	14(2)
LEW 88394	H-5 chondrite	3.0	NC-5	15(2)
LEW 88395	H-5 chondrite	16.8	NC-5	14(2)
LEW 88396	L-6 chondrite	6.1	ND-6	14(1)
LEW 88397	L-6 chondrite	4.0	NE-6	14(1)
LEW 88398	H-5 chondrite	7.5	ND-5	15(2)
LEW 88399	H-6 chondrite	7.0	ND-5	15(2)
LEW 88401	H-5 chondrite	3.9	ND-5	15(2)
LEW 88402	L-5 chondrite	3.6	NE-5	14(2)
LEW 88403	H-6 chondrite	3.6	ND-5	15(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88404	H-5 chondrite	1.3	NC-9	15(2)
LEW 88405	H-5 chondrite	3.8	ND-6	15(2)
LEW 88406	H-5 chondrite	4.4	ND-5	15(2)
LEW 88407	H-5 chondrite	5.6	NE-5	14(2)
LEW 88408	H-5 chondrite	3.2	ND-5	15(2)
LEW 88409	H-5 chondrite	24.2	ND-6	14(2)
LEW 88410	H-5 chondrite	6.2	NE-5	15(2)
LEW 88412	H-6 chondrite	11.3	ND-5	14(2)
LEW 88413	H-6 chondrite	5.8	NF-6	14(1)
LEW 88414	H-5 chondrite	7.3	NE-5	15(2)
LEW 88415	H-3 chondrite	7.4	NC-5	14(1)
LEW 88416	LL-6 chondrite	11.1	NC-5	14(2)
LEW 88417	H-5 chondrite	6.8	NE-5	15(2)
LEW 88418	H-5 chondrite	21.7	ND-5	14(2)
LEW 88419	L-6 chondrite	2.0	ND-5	14(1)
LEW 88420	H-6 chondrite	5.8	NE-5	14(1)
LEW 88421	H-5 chondrite	11.9	ND-5	15(1)
LEW 88422	L-5 chondrite	5.5	NE-5	14(2)
LEW 88423	H-6 chondrite	3.6	ND-5	15(2)
LEW 88424	L-6 chondrite	8.1	ND-5	14(1)
LEW 88425	L-6 chondrite	8.8	NC-5	14(1)
LEW 88426	H-6 chondrite	4.6	NE-5	14(1)
LEW 88427	L-6 chondrite	11.4	NE-5	14(1)
LEW 88428	H-5 chondrite	6.5	NF-4	15(2)
LEW 88429	H-5 chondrite	13.9	SO-2	15(2)
LEW 88430	H-5 chondrite	12.7	NG-4	15(2)
LEW 88431	H-5 chondrite	4.8	NG-5	15(2)
LEW 88432	Metal from H chondrite	1.3	NF-4	14(2)
LEW 88433	H-6 chondrite	14.7	ND-6	14(1)
LEW 88434	H-6 chondrite	3.8	NC-6	14(1)
LEW 88435	H-5 chondrite	6.6	NF-4	14(2)
LEW 88436	H-5 chondrite	8.3	NF-5	14(2)
LEW 88437	H-5 chondrite	4.2	NE-6	15(2)
LEW 88438	H-6 chondrite	13.5	SN-3	14(1)
LEW 88439	H-5 chondrite	6.7	NF-4	15(2)
LEW 88440	H-5 chondrite	19.0	NF-4	15(1)
LEW 88441	H-5 chondrite	11.9	NG-4	15(1)
LEW 88442	H-5 chondrite	6.5	NF-4	15(2)
LEW 88443	H-5 chondrite	10.7	NF-5	15(1)
LEW 88444	H-6 chondrite	12.9	NF-4	15(1)
LEW 88445	H-5 chondrite	9.9	NF-4	15(2)
LEW 88447	L-5 chondrite	10.1	NG-5	14(2)
LEW 88448	H-5 chondrite	6.5	NG-4	15(2)
LEW 88449	H-5 chondrite	1.7	NG-5	15(2)
LEW 88450	H-6 chondrite	25.2	NC-5	14(1)
LEW 88451	H-6 chondrite	7.6	NG-4	14(1)
LEW 88452	L-3 chondrite	13.4	NF-5	14(2)
LEW 88453	H-6 chondrite	10.3	NF-5	14(1)
LEW 88454	L-6 chondrite	4.6	NF-5	14(1)
LEW 88455	H-6 chondrite	4.3	NF-5	14(1)
LEW 88456	H-6 chondrite	6.9	NF-5	14(1)
LEW 88457	L-5 chondrite	4.6	NF-4	14(2)
LEW 88458	L-6 chondrite	3.3	NF-6	14(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88459	L-6 chondrite	5.2	NG-4	14(1)
LEW 88460	H-5 chondrite	7.7	NF-5	15(2)
LEW 88461	H-6 chondrite	11.2	NF-4	15(1)
LEW 88462	L-3 chondrite	8.1	NG-4	14(2)
LEW 88463	H-6 chondrite	15.3	NF-4	15(1)
LEW 88464	H-6 chondrite	8.4	NF-4	15(2)
LEW 88465	L-6 chondrite	4.7	ND-6	14(1)
LEW 88466	H-5 chondrite	5.4	NF-4	15(2)
LEW 88467	L-3 chondrite	6.6	SR-1	14(2)
LEW 88468	H-6 chondrite	12.8	NF-5	14(1)
LEW 88469	L-6 chondrite	3.3	NF-5	14(1)
LEW 88470	H-5 chondrite	3.2	NC-6	15(2)
LEW 88471	L-6 chondrite	5.1	NF-4	14(1)
LEW 88472	L-6 chondrite	3.3	NF-5	14(1)
LEW 88473	L-6 chondrite	3.3	?	14(1)
LEW 88474	H-6 chondrite	4.6	NF-5	14(1)
LEW 88475	H-5 chondrite	9.7	NF-6	15(2)
LEW 88476	H-5 chondrite	8.9	NF-4	15(2)
LEW 88477	LL-3 chondrite	12.3	NF-4	14(1)
LEW 88478	H-5 chondrite	14.5	NG-4	15(1)
LEW 88479	H-5 chondrite	4.2	NF-4	15(2)
LEW 88480	H-5 chondrite	4.6	NF-4	15(2)
LEW 88481	H-6 chondrite	7.2	NF-4	14(1)
LEW 88482	H-6 chondrite	4.9	NF-5	15(2)
LEW 88483	L-4 chondrite	3.8	NF-5	15(2)
LEW 88484	LL-3 chondrite	8.4	NF-4	14(2)
LEW 88485	H-5 chondrite	7.2	NF-5	15(2)
LEW 88486	H-5 chondrite	11.1	NF-4	15(1)
LEW 88487	L-6 chondrite	11.0	NF-5	14(1)
LEW 88488	H-5 chondrite	5.0	NF-4	15(2)
LEW 88489	H-6 chondrite	4.5	NF-6	15(2)
LEW 88490	H-5 chondrite	19.4	NF-4	15(1)
LEW 88491	L-6 chondrite	5.8	NG-4	14(1)
LEW 88492	H-6 chondrite	13.1	NF-4	14(1)
LEW 88493	H-6 chondrite	3.3	NF-5	14(2)
LEW 88494	H-6 chondrite	4.0	NF-5	14(2)
LEW 88495	H-5 chondrite	12.2	NG-4	14(2)
LEW 88496	H-5 chondrite	3.0	NG-5	14(2)
LEW 88497	H-5 chondrite	9.7	NG-4	14(2)
LEW 88498	H-5 chondrite	6.5	NF-4	14(2)
LEW 88499	LL-6 chondrite	3.3	NG-5	14(2)
LEW 88500	H-3 chondrite	16.0	NF-4	15(1)
LEW 88501	H-5 chondrite	3.3	NF-4	15(2)
LEW 88502	L-6 chondrite	3.2	NF-5	15(2)
LEW 88503	H-3 chondrite	7.4	NG-4	15(2)
LEW 88504	H-5 chondrite	13.5	NF-4	15(1)
LEW 88505	H-5 chondrite	10.6	NF-4	15(1)
LEW 88506	H-6 chondrite	26.2	SP-3	15(1)
LEW 88507	L-6 chondrite	23.1	SP-2	14(2)
LEW 88509	H-6 chondrite	14.5	NF-4	14(2)
LEW 88510	H-5 chondrite	5.4	NF-4	15(2)
LEW 88511	L-4 chondrite	3.2	NF-5	15(2)
LEW 88512	H-6 chondrite	9.8	NG-4	14(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88513	H-5 chondrite	9.2	NF-4	15(2)
LEW 88514	H-5 chondrite	6.7	NF-4	15(2)
LEW 88515	LL-6 chondrite	7.6	NF-4	14(2)
LEW 88516	Shergottite	13.2	NE-7	14(2)
LEW 88517	H-6 chondrite	7.5	NF-5	15(2)
LEW 88518	H-6 chondrite	3.1	NG-5	15(2)
LEW 88519	H-3 chondrite	3.6	NG-5	15(2)
LEW 88520	LL-3 chondrite	3.1	NG-4	14(2)
LEW 88521	H-5 chondrite	25.3	NG-4	15(1)
LEW 88523	L-6 chondrite	7.2	NF-4	14(2)
LEW 88524	H-5 chondrite	8.7	NF-4	15(2)
LEW 88526	L-5 chondrite	7.1	NC-5	14(2)
LEW 88527	L-6 chondrite	8.0	NF-4	15(2)
LEW 88528	H-6 chondrite	6.9	NF-5	15(2)
LEW 88529	L-6 chondrite	14.4	NG-5	15(1)
LEW 88530	L-6 chondrite	6.9	NG-4	15(2)
LEW 88531	H-6 chondrite	17.1	NG-6	14(2)
LEW 88532	H-5 chondrite	10.7	NF-4	15(1)
LEW 88533	L-6 chondrite	2.0	NF-5	14(2)
LEW 88534	LL-6 chondrite	3.6	NG-5	14(2)
LEW 88535	H-5 chondrite	9.2	SJ-3	15(1)
LEW 88536	LL-3 chondrite	2.6	NG-5	14(2)
LEW 88537	L-6 chondrite	2.9	NG-6	14(2)
LEW 88538	H-6 chondrite	10.1	NG-4	14(2)
LEW 88539	H-5 chondrite	5.9	NG-4	15(2)
LEW 88540	H-6 chondrite	11.1	NG-4	15(1)
LEW 88541	H-6 chondrite	7.4	NG-4	15(2)
LEW 88542	L-6 chondrite	3.1	NF-4	14(2)
LEW 88543	L-6 chondrite	11.3	NF-3	14(2)
LEW 88544	H-6 chondrite	18.9	ND-7	14(2)
LEW 88545	H-6 chondrite	18.4	SO-2	14(2)
LEW 88546	H-6 chondrite	1.6	ND-6	15(2)
LEW 88547	H-5 chondrite	15.1	NF-4	15(1)
LEW 88548	H-5 chondrite	13.8	NG-4	15(1)
LEW 88549	H-5 chondrite	4.9	NF-4	15(2)
LEW 88550	L-6 chondrite	4.2	SO-3	14(1)
LEW 88551	H-6 chondrite	8.6	NG-4	14(2)
LEW 88552	H-5 chondrite	2.9	NG-5	15(2)
LEW 88553	H-5 chondrite	2.5	NE-5	15(2)
LEW 88554	H-5 chondrite	7.6	NG-4	15(2)
LEW 88555	H-5 chondrite	6.7	NG-4	15(2)
LEW 88556	H-6 chondrite	3.9	NG-6	15(2)
LEW 88557	L-6 chondrite	8.7	NG-3	15(2)
LEW 88558	L-6 chondrite	1.4	NE-5	15(2)
LEW 88559	L-6 chondrite	4.1	NE-5	14(2)
LEW 88560	H-5 chondrite	0.9	NE-5	15(2)
LEW 88561	LL-3 chondrite	10.7	NE-5	14(2)
LEW 88562	H-5 chondrite	3.1	NH-4	15(2)
LEW 88564	LL-6 chondrite	6.5	?	15(1)
LEW 88565	L-6 chondrite	14.9	NG-4	14(2)
LEW 88566	L-6 chondrite	10.6	NG-3	14(2)
LEW 88567	H-5 chondrite	9.7	NG-3	15(2)
LEW 88568	LL-6 chondrite	3.4	NH-4	15(2)



Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88569	H-6 chondrite	3.0	NH-4	14(2)
LEW 88570	H-6 chondrite	9.5	NF-4	14(2)
LEW 88571	H-5 chondrite	2.7	NG-5	15(1)
LEW 88572	L-6 chondrite	10.1	NF-5	15(1)
LEW 88573	H-5 chondrite	6.1	NF-4	15(2)
LEW 88574	H-5 chondrite	13.7	NG-4	15(1)
LEW 88575	H-6 chondrite	3.4	NG-5	14(2)
LEW 88576	H-5 chondrite	6.5	NF-4	15(2)
LEW 88577	H-6 chondrite	5.9	NG-4	14(2)
LEW 88578	H-5 chondrite	5.8	NF-3	15(2)
LEW 88579	H-5 chondrite	6.0	NF-4	15(2)
LEW 88580	H-6 chondrite	3.2	NF-6	15(2)
LEW 88581	H-5 chondrite	9.2	NF-4	15(2)
LEW 88582	H-6 chondrite	1.4	NG-6	15(2)
LEW 88583	H-6 chondrite	6.0	NF-4	15(2)
LEW 88584	H-5 chondrite	4.5	NF-4	15(2)
LEW 88585	H-6 chondrite	4.3	NG-5	15(2)
LEW 88586	LL-6 chondrite	6.4	NG-5	15(1)
LEW 88587	H-5 chondrite	4.1	NF-4	15(2)
LEW 88588	H-5 chondrite	10.0	NF-4	15(1)
LEW 88589	LL-6 chondrite	11.0	NF-4	15(1)
LEW 88590	L-4 chondrite	11.8	NG-4	15(1)
LEW 88591	L-6 chondrite	2.7	NG-4	15(2)
LEW 88593	L-6 chondrite	4.3	NG-3	15(1)
LEW 88594	L-3 chondrite	5.4	NG-4	15(2)
LEW 88595	H-5 chondrite	5.0	NG-5	15(2)
LEW 88596	LL-3 chondrite	8.9	NG-5	14(2)
LEW 88598	L-6 chondrite	2.8	NG-4	14(2)
LEW 88599	H-6 chondrite	8.5	NG-4	15(2)
LEW 88600	H-5 chondrite	3.8	SL-4	15(2)
LEW 88601	H-5 chondrite	10.6	SP-3	15(1)
LEW 88602	H-5 chondrite	4.2	SK-4	15(2)
LEW 88603	H-4 chondrite	6.2	SK-4	14(2)
LEW 88604	L-6 chondrite	4.7	SK-4	14(2)
LEW 88605	L-6 chondrite	12.3	SL-4	14(2)
LEW 88606	LL-6 chondrite	2.7	SM-4	15(1)
LEW 88607	H-6 chondrite	7.0	SK-5	14(2)
LEW 88608	H-6 chondrite	2.8	SK-4	14(2)
LEW 88609	H-5 chondrite	7.0	SK-5	15(2)
LEW 88610	H-5 chondrite	1.5	SK-4	15(2)
LEW 88611	H-5 chondrite	2.6	SK-5	15(2)
LEW 88612	H-6 chondrite	4.3	SP-3	15(2)
LEW 88613	H-5 chondrite	8.3	SK-3	15(2)
LEW 88614	L-6 chondrite	8.9	SK-3	14(2)
LEW 88615	L-5 chondrite	12.1	SK-3	14(2)
LEW 88616	H-5 chondrite	14.7	SK-4	15(1)
LEW 88617	L-3 chondrite	3.2	SK-4	15(2)
LEW 88618	H-6 chondrite	13.0	SK-3	15(1)
LEW 88619	H-5 chondrite	5.1	SK-4	15(2)
LEW 88620	H-5 chondrite	8.6	SK-3	15(2)
LEW 88621	L-3 chondrite	7.5	SK-4	15(1)
LEW 88622	H-5 chondrite	2.7	SK-5	15(2)
LEW 88623	H-5 chondrite	13.6	SK-4	15(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88624	H-5 chondrite	11.7	?	15(1)
LEW 88625	L-4 chondrite	2.8	NG-5	15(1)
LEW 88626	H-5 chondrite	7.7	NG-4	16(1)
LEW 88627	H-5 chondrite	4.9	NG-3	15(2)
LEW 88628	H-5 chondrite	6.8	NG-4	15(2)
LEW 88629	L-6 chondrite	7.2	NG-5	14(2)
LEW 88631	Iron - anomalous	3.2	SL-4	14(2)
LEW 88632	L-3 chondrite	10.3	SL-5	14(2)
LEW 88633	H-6 chondrite	4.0	SM-4	15(2)
LEW 88634	L-3 chondrite	7.7	SK-5	16(2)
LEW 88635	H-5 chondrite	18.7	SL-4	15(1)
LEW 88636	H-5 chondrite	1.1	SL-4	15(2)
LEW 88637	H-5 chondrite	6.8	SL-4	15(2)
LEW 88638	L-6 chondrite	3.4	SL-4	14(2)
LEW 88639	H-5 chondrite	19.3	SL-4	15(1)
LEW 88640	L-6 chondrite	3.1	SL-4	14(2)
LEW 88641	H-5 chondrite	8.6	SL-4	15(2)
LEW 88642	H-5 chondrite	6.9	SL-4	15(1)
LEW 88643	H-5 chondrite	11.6	SL-4	15(1)
LEW 88644	L-3 chondrite	15.9	SQ-2	14(2)
LEW 88645	L-4 chondrite	14.5	SL-5	14(2)
LEW 88646	H-5 chondrite	16.9	SL-4	15(1)
LEW 88647	H-5 chondrite	20.1	SL-4	15(1)
LEW 88648	H-6 chondrite	21.7	SK-3	14(2)
LEW 88649	H-6 chondrite	20.1	SM-4	14(2)
LEW 88650	L-6 chondrite	1.5	SL-4	14(2)
LEW 88651	L-6 chondrite	5.8	SP-3	16(1)
LEW 88652	L-6 chondrite	17.1	SL-4	14(2)
LEW 88653	H-5 chondrite	9.4	SL-3	16(1)
LEW 88654	L-6 chondrite	8.3	SJ-3	14(2)
LEW 88655	H-5 chondrite	7.2	SL-4	16(1)
LEW 88656	L-6 chondrite	5.5	SL-4	14(2)
LEW 88657	L-6 chondrite	6.4	SQ-2	14(2)
LEW 88658	LL-6 chondrite	6.6	SK-3	14(2)
LEW 88659	L-6 chondrite	10.8	SK-5	14(2)
LEW 88660	H-6 chondrite	4.0	SM-4	16(1)
LEW 88661	L-6 chondrite	5.2	SM-4	14(2)
LEW 88662	H-6 chondrite	12.9	SJ-4	15(1)
LEW 88663	Achondrite (?)	14.5	SM-4	15(1)
LEW 88664	H-5 chondrite	2.6	SL-4	16(1)
LEW 88665	H-5 chondrite	7.3	SL-4	16(1)
LEW 88666	L-6 chondrite	9.3	SQ-3	16(1)
LEW 88667	H-5 chondrite	6.7	SL-3	16(1)
LEW 88668	L-6 chondrite	3.1	SM-4	14(2)
LEW 88669	L-6 chondrite	2.8	SM-4	14(2)
LEW 88670	L-6 chondrite	18.8	SM-4	15(1)
LEW 88671	H-6 chondrite	23.6	SL-5	15(1)
LEW 88672	L-6 chondrite	11.5	SJ-3	14(2)
LEW 88673	L-4 chondrite	6.9	SL-4	16(1)
LEW 88674	H-5 chondrite	2.7	SL-4	16(1)
LEW 88675	H-5 chondrite	1.3	SM-4	16(1)
LEW 88676	H-5 chondrite	1.6	SM-4	16(1)
LEW 88677	Metal fragment	0.6	SL-4	14(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88678	H-6 chondrite	27.2	SQ-2	15(1)
LEW 88679	Diogenite	7.9	SM-4	15(1)
LEW 88680	H-5 chondrite	6.2	SM-4	16(1)
LEW 88681	H-5 chondrite	9.0	SL-4	16(1)
LEW 88682	H-4 chondrite	10.9	SO-2	15(1)
LEW 88683	L-6 chondrite	15.7	SM-4	14(2)
LEW 88684	L-6 chondrite	1.8	SM-4	14(2)
LEW 88685	H-5 chondrite	6.7	SM-4	16(1)
LEW 88686	H-6 chondrite	14.7	SL-4	15(1)
LEW 88687	L-6 chondrite	5.2	SL-4	14(2)
LEW 88688	H-6 chondrite	22.0	SL-4	14(2)
LEW 88689	H-5 chondrite	20.4	SL-4	15(1)
LEW 88690	H-6 chondrite	11.5	SM-4	15(1)
LEW 88691	H-4 chondrite	15.0	SL-3	15(1)
LEW 88692	L-6 chondrite	3.9	SM-4	16(1)
LEW 88693	H-5 chondrite	16.2	SL-4	15(1)
LEW 88694	H-4 chondrite	11.2	SL-4	15(1)
LEW 88695	LL-6 chondrite	2.7	SL-4	16(1)
LEW 88696	L-3 chondrite	6.0	SL-4	15(1)
LEW 88697	H-5 chondrite	7.9	SL-4	16(1)
LEW 88698	Metal fragment	0.8	SM-4	14(2)
LEW 88699	L-6 chondrite	2.3	SM-4	14(2)
LEW 88700	LL-6 chondrite	13.4	SM-4	15(1)
LEW 88701	LL-4 chondrite	2.8	SM-4	16(1)
LEW 88702	H-5 chondrite	3.9	SM-4	16(1)
LEW 88703	L-5 chondrite	9.9	SL-3	15(1)
LEW 88704	H-5 chondrite	18.3	SL-3	15(1)
LEW 88705	L-6 chondrite	9.2	NB-6	14(2)
LEW 88706	L-5 chondrite	10.2	NC-9	15(1)
LEW 88707	L-5 chondrite	10.1	NC-8	15(1)
LEW 88708	H-5 chondrite	12.4	SL-3	15(1)
LEW 88709	H-5 chondrite	16.4	SM-4	15(1)
LEW 88710	L-6 chondrite	7.1	NB-7	14(2)
LEW 88711	L-5 chondrite	8.8	SL-3	16(1)
LEW 88712	H-6 chondrite	22.9	NB-8	15(1)
LEW 88713	H-5 chondrite	7.6	SN-4	16(1)
LEW 88714	E-6 chondrite	22.6	SL-3	15(1)
LEW 88715	H-5 chondrite	9.8	SM-4	16(1)
LEW 88716	H-5 chondrite	6.0	NB-8	16(1)
LEW 88717	H-5 chondrite	7.1	SN-4	16(1)
LEW 88718	L-6 chondrite	11.5	SM-3	14(2)
LEW 88719	H-5 chondrite	10.9	NC-8	15(1)
LEW 88720	H-6 chondrite	7.5	SL-3	14(2)
LEW 88721	L-6 chondrite	7.7	SO-3	14(2)
LEW 88722	H-5 chondrite	3.4	NB-6	16(1)
LEW 88723	L-6 chondrite	3.8	NG-7	14(2)
LEW 88724	L-5 chondrite	9.2	SM-3	16(1)
LEW 88725	H-5 chondrite	5.5	NB-8	16(1)
LEW 88726	H-5 chondrite	7.3	SO-3	16(1)
LEW 88727	H-5 chondrite	6.0	SN-3	16(1)
LEW 88728	L-6 chondrite	2.9	SL-3	14(2)
LEW 88729	L-5 chondrite	10.1	NB-7	15(1)
LEW 88730	H-6 chondrite	8.0	SL-3	14(2)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88731	H-5 chondrite	3.2	NB-7	16(1)
LEW 88732	L-6 chondrite	12.2	SN-3	14(2)
LEW 88733	L-5 chondrite	6.6	NB-8	16(1)
LEW 88734	H-5 chondrite	2.7	SO-3	16(1)
LEW 88735	H-5 chondrite	8.0	NB-8	16(1)
LEW 88736	L-6 chondrite	7.2	SO-4	14(2)
LEW 88737	L-6 chondrite	10.2	SO-4	15(1)
LEW 88738	H-6 chondrite	3.9	NB-6	16(1)
LEW 88739	L-6 chondrite	3.1	SO-3	14(2)
LEW 88740	H-6 chondrite	2.9	NC-6	14(2)
LEW 88741	H-6 chondrite	27.0	SL-3	14(2)
LEW 88742	LL-6 chondrite	4.3	SO-3	14(2)
LEW 88743	H-6 chondrite	42.7	SM-3	15(1)
LEW 88744	LL-6 chondrite	6.8	SO-3	14(2)
LEW 88745	H-6 chondrite	18.3	SO-4	15(1)
LEW 88746	LL-5 chondrite	4.3	SO-3	16(1)
LEW 88747	L-6 chondrite	3.3	NC-7	14(2)
LEW 88748	L-4 chondrite	11.9	NC-6	15(1)
LEW 88749	L-5 chondrite	7.1	NC-7	16(1)
LEW 88750	L-6 chondrite	13.2	SO-4	14(2)
LEW 88751	H-5 chondrite	8.3	SN-4	16(1)
LEW 88752	H-4 chondrite	18.7	SL-3	15(1)
LEW 88753	L-6 chondrite	7.6	NC-6	14(2)
LEW 88754	LL-4 chondrite	2.7	NC-6	16(1)
LEW 88755	H-4 chondrite	8.6	SM-3	16(1)
LEW 88756	H-5 chondrite	28.1	SO-2	15(1)
LEW 88757	L-6 chondrite	22.5	SN-4	14(2)
LEW 88758	LL-3 chondrite	5.0	NB-6	15(1)
LEW 88759	H-5 chondrite	5.8	SL-4	16(1)
LEW 88760	H-6 chondrite	3.1	SK-4	16(1)
LEW 88761	L-6 chondrite	3.6	NC-6	14(2)
LEW 88762	H-5 chondrite	18.8	SO-4	15(1)
LEW 88763	Achondrite (Brachina-like)	4.1	NF-4	14(2)
LEW 88764	H-5 chondrite	9.0	NB-6	16(1)
LEW 88765	H-5 chondrite	4.2	NB-6	16(1)
LEW 88766	L-6 chondrite	8.4	NC-6	16(1)
LEW 88767	H-5 chondrite	16.3	NB-7	15(1)
LEW 88768	H-6 chondrite	11.6	NB-8	15(1)
LEW 88769	L-6 chondrite	4.8	SN-3	14(2)
LEW 88770	L-5 chondrite	16.4	NC-8	15(1)
LEW 88771	L-6 chondrite	3.9	SM-3	14(2)
LEW 88772	Ureilite	7.4	SO-3	16(1)
LEW 88773	L-6 chondrite	14.1	NG-3	15(1)
LEW 88774	Ureilite	3.1	NG-6	16(1)
LEW 88775	H-4 chondrite	44.3	NC-5	15(1)
LEW 88776	H-4 chondrite	39.2	NE-5	14(2)
LEW 88777	H-4 chondrite	10.7	SK-4	15(1)
LEW 88778	L-6 chondrite	10.1	NG-5	14(2)
LEW 88779	LL-5 chondrite	6.8	NG-4	16(1)
LEW 88781	L-6 chondrite	57.5	NE-5	15(1)
LEW 88782	L-6 chondrite	4.0	NB-5	14(2)
LEW 88783	LL-3 chondrite	9.8	NF-5	15(1)
LEW 88784	H-6 chondrite	2.6	NC-6	16(1)

Listing of meteorites recovered from the Lewis Cliff Icefields  
(1985, 1986, 1987, 1988, and 1990 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
LEW 88786	L-6 chondrite	11.9	NG-4	14(2)
LEW 88799	LL-6 chondrite	2.7	?	16(1)
LEW 90500	Carbonaceous C2	294.7	SP-7	14(2)

<sup>?</sup>No meteorite position was determined or location information was recorded. See text.

\*Specimen is from Meteorite Moraine and no name has been plotted.

<sup>†</sup>See Fig. 26 for locations.

<sup>‡</sup>See text for information regarding these specimens.

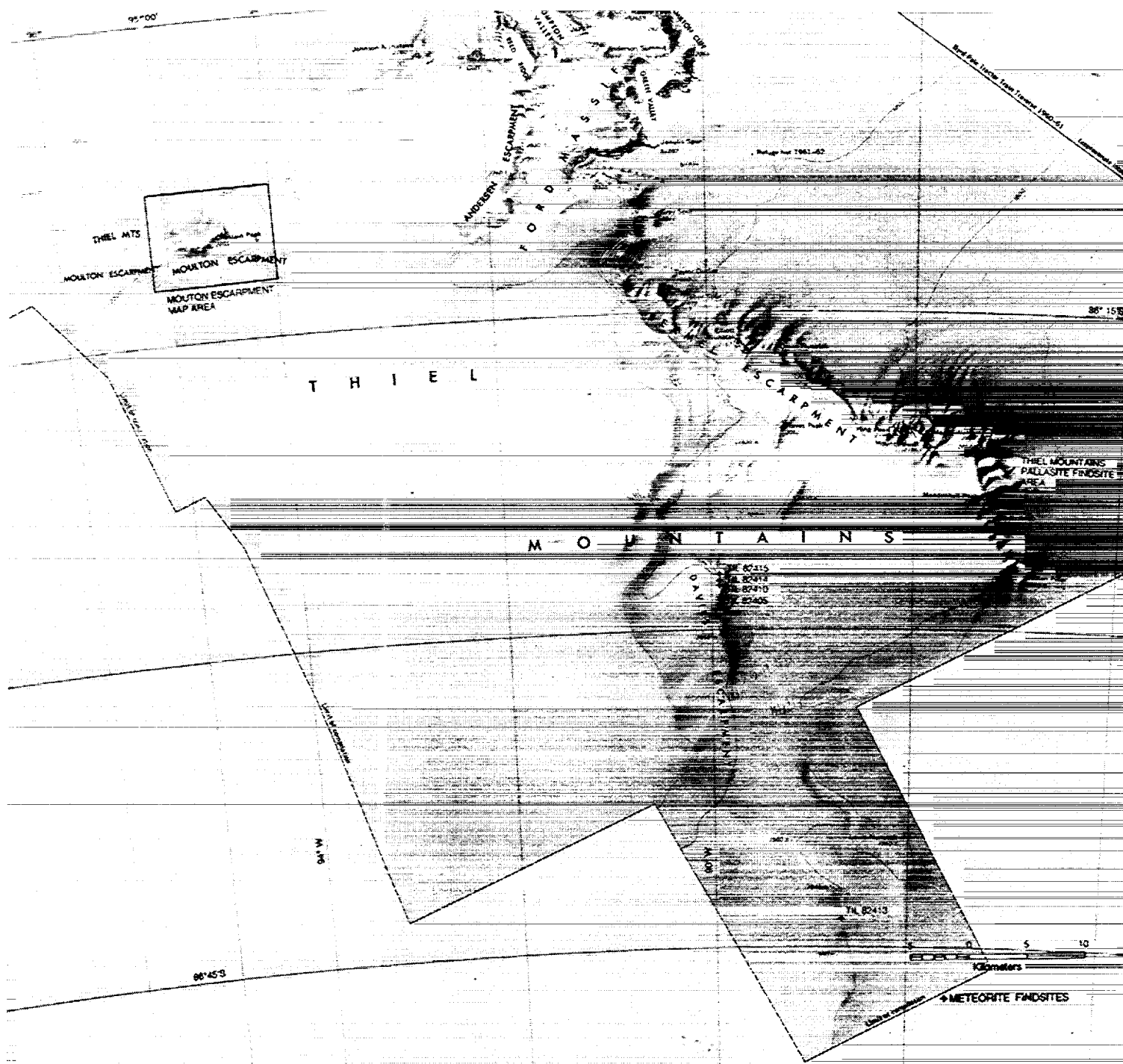


Fig. 34. Map of the Thiel Mountains region showing the location of the meteorites found along the Davies Escarpment and the area covered by the Moulton Escarpment Meteorite Location Map. Base maps are the U.S.G.S. 1:250,000-scale Thiel Mountains and Moulton Escarpment quadrangles.

## THIEL MOUNTAINS METEORITE LOCATION MAP SERIES

One of the earliest meteorite finds in Antarctica was from the Thiel Mountains (*Ford and Tabor, 1971*). The Thiel Mountains pallasite was found in the vicinity of Mount Wrather (85°23'S, 87°14'W). Exploration for meteorite concentrations in that area failed to yield additional specimens or a concentration; however, meteorites were found along the Davies Escarpment, approximately 25 km westward, and at the Moulton Escarpment, 70 km to the northwest (*Schutt et al., 1983; Schutt, 1985*). The area is covered by the U.S.G.S. 1:250,000-scale Thiel Mountains and Moulton Escarpment quadrangles. Figure 34 shows the general location of the Thiel Mountains pallasite. Also shown are the locations of the meteorites found along the Davies Escarpment and the area covered by the Moulton Escarpment Meteorite Location Map.

A total of seven meteorite specimens representing five meteorites were found along the Davies Escarpment, an ice escarpment some 70 km in length extending southward from the Bermel Escarpment. Blue ice areas of limited

extent are located at the north and south ends of the escarpment. At one point along the escarpment near Lewis Nunatak a small area of bedrock is exposed. Six specimens were found at the northern end and one was found mixed in with terrestrial rock near the south end. A listing of the Davies Escarpment meteorites is included below.

Listing of meteorites recovered from the  
Davies Escarpment icefields (1982 collection).

Name	Classification	Weight (g)	Newsletter
TIL 82405,0	H-6 chondrite	790.2	7(1)
TIL 82405,1	H-6 chondrite	17.5	7(1)
TIL 82405,7	H-6 chondrite	308.0	7(1)
TIL 82410	Diogenite	18.8	7(1)
TIL 82413	H-5 chondrite	18.4	7(2)
TIL 82414	H-5 chondrite	15.4	7(2)
TIL 82415	H-5 chondrite	70.2	7(2)



Fig. 35. Vertical aerial photos of the Moulton Escarpment (U.S.G.S./U.S.Navy photos TMA2521-V 12-205 and 12-206).



## MOULTON ESCARPMENT

The Moulton Escarpment trends east-west with outcrops rising above the ice for 4.5 km. This is the westernmost nunatak in the Thiel Mountains. Approximately 25 km<sup>2</sup> of ice is exposed in the area. Ice appears to flow from south to north. The larger ice areas are situated upstream and downstream of the escarpment, but smaller ice patches occur to the west and east along the ice escarpment. A number of ice-cored moraines are "stacked" below the escarpment. Figure 35 is a vertical aerial photograph mosaic of the Moulton Escarpment.

Reconnaissance during the 1982–1983 season failed to find meteorites on the upstream icefield. One meteorite was found on the isolated ice patch to the east. The rest of the meteorites were found in a restricted area below the escarpment and east of the ice-cored moraines. A total of 11 meteorite specimens were recovered in that season. A Twin Otter-supported team was able to visit the area briefly during the 1991–1992 season and systematically search the ice where this concentration was found. This resulted in another 25 finds. Table 10 is a tabulation of types of meteorites and their numbers from the Moulton Escarpment Icefield.

The Moulton Escarpment Meteorite Location Map is plotted at a scale of 1:10,000 in the polar stereographic projection. The grid cells are defined by latitude and longitude intervals of 30 seconds of latitude and 5 minutes of longitude. A reduced example of the map is given in Fig. 36.

All the meteorites recovered from the Moulton Escarpment are plotted on the map. The locations of specimens from the 1982 collection were surveyed using snowmobile

odometer and pacing for distance, and compass for relative bearings and triangulation. All the 1991 meteorites were located using a GPS receiver averaging 35–100 fixes.

TABLE 10. Tabulation of meteorite types from the Moulton Escarpment Icefield (1982 and 1991 collections).

Number of Specimens	Classification
1	Carbonaceous C2
1	E-5 chondrite
1	Eucrite (brecciated)
5	H-5 chondrite
2	H-6 chondrite
1	Iron with silica inclusion
19	L-4 chondrite
2	L-5 chondrite
2	L-6 chondrite
1	LL-3 chondrite
1	LL-6 chondrite
36	Total

**Acknowledgments:** R. Crane, U. Krähenbühl, and L. Rancitelli were members of the 1982–1983 field party. P. Wasilewski was involved with the search during the 1991–1992 season. We thank them for their efforts in the searching and mapping. The support of the Twin Otter aircraft crew, J. C. Armstrong, H. Perk, and C. Boutin of Kenn Borek Air, Ltd., is much appreciated.

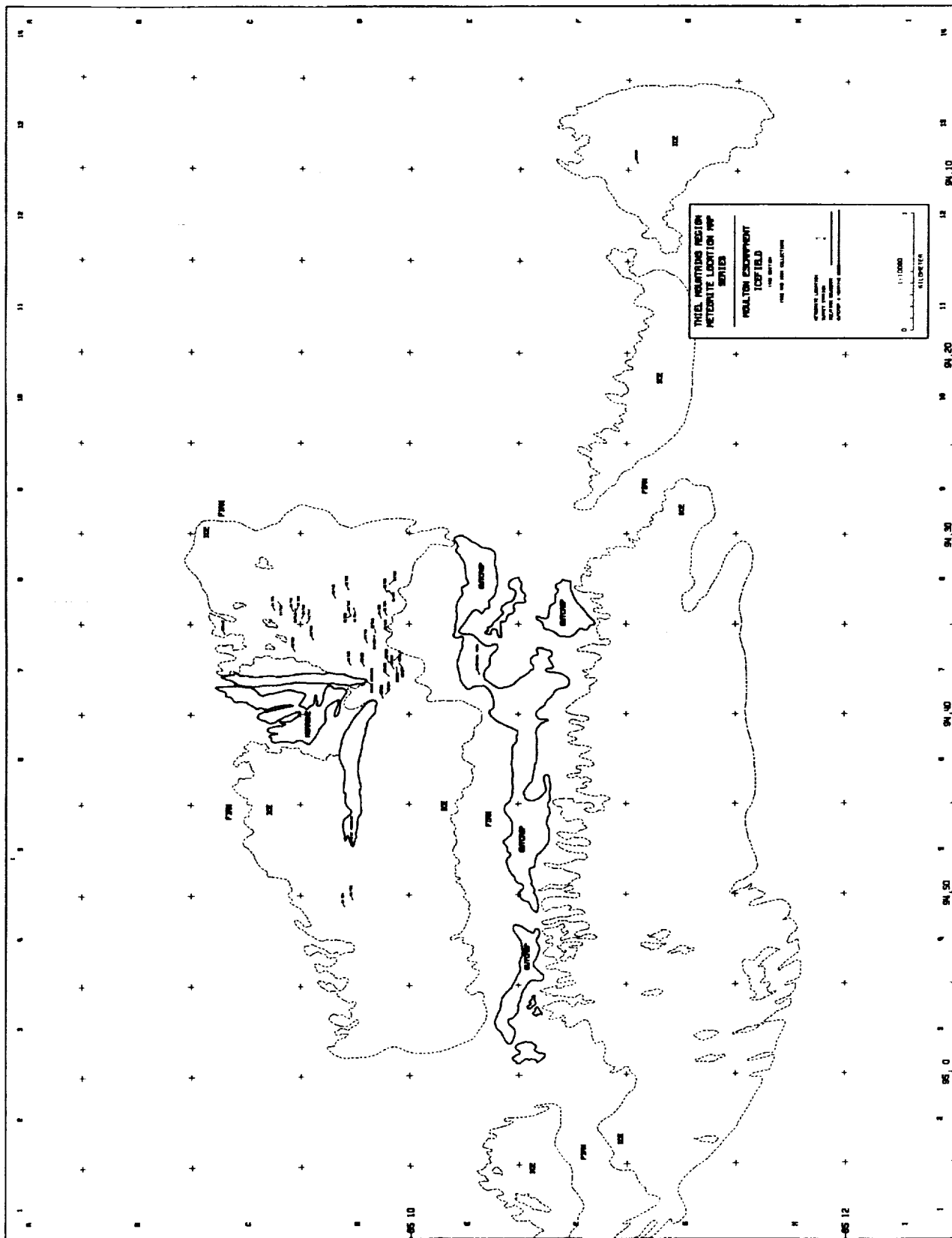


Fig. 36. Reduced example of the Thiel Mountains Region-Moulton Escarpment Meteorite Location Map.

Listing of meteorites recovered from the Moulton Escarpment Icefield  
(1982 and 1991 collections).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
TIL 82400	L-5 chondrite	220.8	G-13	7(1)
TIL 82401	L-6 chondrite	281.6	D-7	7(1)
TIL 82402	LL-6 chondrite	476.0	D-7	7(1)
TIL 82403	Eucrite (brecciated)	49.8	D-7	6(2)
TIL 83404	L-4 chondrite	321.6	D-7	7(1)
TIL 82406	L-4 chondrite	152.0	D-7	7(2)
TIL 82407	L-4 chondrite	220.8	D-7	7(1)
TIL 82408	LL-3 chondrite	80.1	D-7	7(2)
TIL 82409	H-5 chondrite	230.9	D-7	7(1)
TIL 82411	L-4 chondrite	179.5	D-7	7(1)
TIL 82412	H-5 chondrite	35.2	C-7	7(2)
TIL 90700	L-4 chondrite	256.1	D-7	16(2)
TIL 90701	L-4 chondrite	1086.0	D-8	16(1)
TIL 90702	L-4 chondrite	304.7	D-8	16(1)
TIL 90703	L-4 chondrite	264.9	D-8	16(1)
TIL 90704	L-4 chondrite	234.7	D-8	16(1)
TIL 90705	L-4 chondrite	158.5	D-8	16(1)
TIL 90706	H-6 chondrite	82.5	D-8	16(1)
TIL 90707	H-5 chondrite	207.4	D-8	16(1)
TIL 90708	L-4 chondrite	310.4	D-8	16(1)
TIL 90709	L-4 chondrite	660.1	D-8	16(1)
TIL 90710	L-5 chondrite	514.7	D-8	16(1)
TIL 90711	L-4 chondrite	276.3	C-8	16(1)
TIL 90712	L-4 chondrite	491.5	C-8	16(1)
TIL 90713	H-5 chondrite	63.8	C-8	16(1)
TIL 90714	E-5 chondrite	163.9	C-8	16(1)
TIL 90715	L-4 chondrite	156.8	D-8	16(2)
TIL 90717	H-5 chondrite	16.5	D-8	16(1)
TIL 90718	L-4 chondrite	165.5	D-7	16(1)
TIL 90719	L-6 chondrite	15.7	D-8	16(1)
TIL 90720	L-4 chondrite	127.2	D-7	16(1)
TIL 90721	L-4 chondrite	233.6	D-7	16(1)
TIL 90722	Carbonaceous C2	184.1	C-7	16(1)
TIL 90723	L-4 chondrite	264.6	D-7	16(1)
TIL 90724	H-6 chondrite	253.7	D-4	16(1)
TIL 90725	Iron with silicate inclusions	91.1	D-4	15(2)

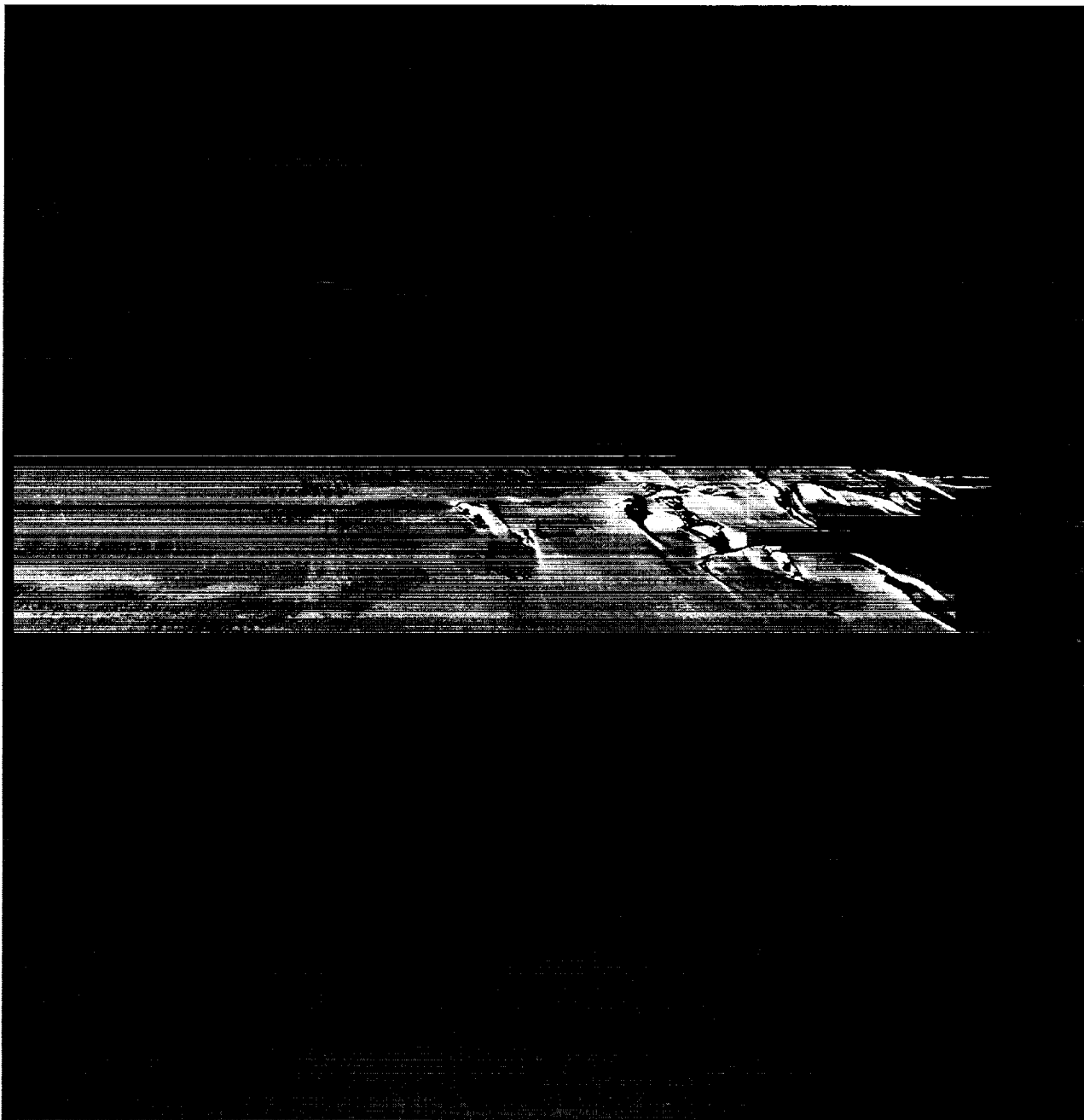


Fig. 37. Oblique aerial photo looking southeast over the Pecora Escarpment (U.S.G.S./U.S.Navy photo TMA1500-F31).

## PECORA ESCARPMENT METEORITE LOCATION MAP SERIES, PECORA ESCARPMENT

The Pecora Escarpment, an isolated series of nunataks trending southeast-northwest, is situated at 85°38'S, 68°42'W. Figure 37 is an aerial view looking southward. Extensive bare ice areas of approximately 120 km<sup>2</sup> occur both on the upstream and downstream sides of the escarpment in the immediate vicinity of the nunataks. Meteorites have been recovered from nearly all these bare ice areas. Informal names have been given to local basins and ice patches for the purposes of referring to the areas in the field. Some of these names appear on the map. Numerous smaller isolated and geographically distinct icefields are present in the immediate region, and meteorites have been recovered from some of these during reconnaissance searches.

The icefields at the Pecora Escarpment were first searched for meteorites during a reconnaissance traverse from the Thiel Mountains, some 160 km to the west, in the 1982–1983 field season (Schutt *et al.*, 1983; Schutt, 1985). A significant meteorite concentration was discovered and 32 meteorites were collected. During the 1991–1992 season an ANSMET team systematically searched much of the most promising icefields and conducted reconnaissance searches of some of the nearby icefields (Harvey and Schutt, 1992). A total of 490 numbered meteorite specimens were recovered. Table 11 is a tabulation of the types of meteorites and their numbers from the Pecora Escarpment Icefields.

Most of the locations of the meteorites from the 1982–1983 and the 1991–1992 seasons are plotted on the Pecora Escarpment Meteorite Location Map. The area covered by the map can be seen in Fig. 38 and a reduced example of the map is given in Fig. 39. The map is plotted at a scale of 1:20,000 in a polar stereographic projection. The grid cells for this map are defined by latitude and longitude intervals of 1 minute of latitude and 10 minutes of longitude. The 1992 edition of the map was produced as a preliminary edition with the 1991–1992 season's field numbers plotted. On the 1993 edition the field numbers are replaced with the final meteorite names.

The locations of the meteorites from the 1982–1983 season were surveyed from base stations on bedrock using the snowmobile odometer or pacing for distance and a compass for relative bearings or triangulation. The locations of the 1991–1992 specimens were determined using a combination of GPS and traditional theodolite/EDM surveying methods. Most of the meteorites surveyed using GPS were determined by differential GPS techniques.

No exact location information is available for PCA 82515, PCA 82523, PCA 82524, and PCA 82527. These

four meteorites were found on one of the isolated ice areas approximately 16 km east of Lulow Rock, an area not included on the map. No location information was recorded for PCA 82521. During the 1991–1992 season an icefield about 40 km north of the Pecora Escarpment, referred to as the North Forty Icefield, was briefly visited and meteorites were found there. The three meteorites recovered there, PCA 91235, PCA 91253, and PCA 91248, are not within the map area. Another specimen, PCA 91020, was found on a small ice patch called the Halfway Icefield, which is located approximately 16 km northwest from the Pecora Escarpment. This find site is also not within the map area. The locations of these four specimens, determined using a GPS receiver, are available in the database and are indicated on Fig. 38.

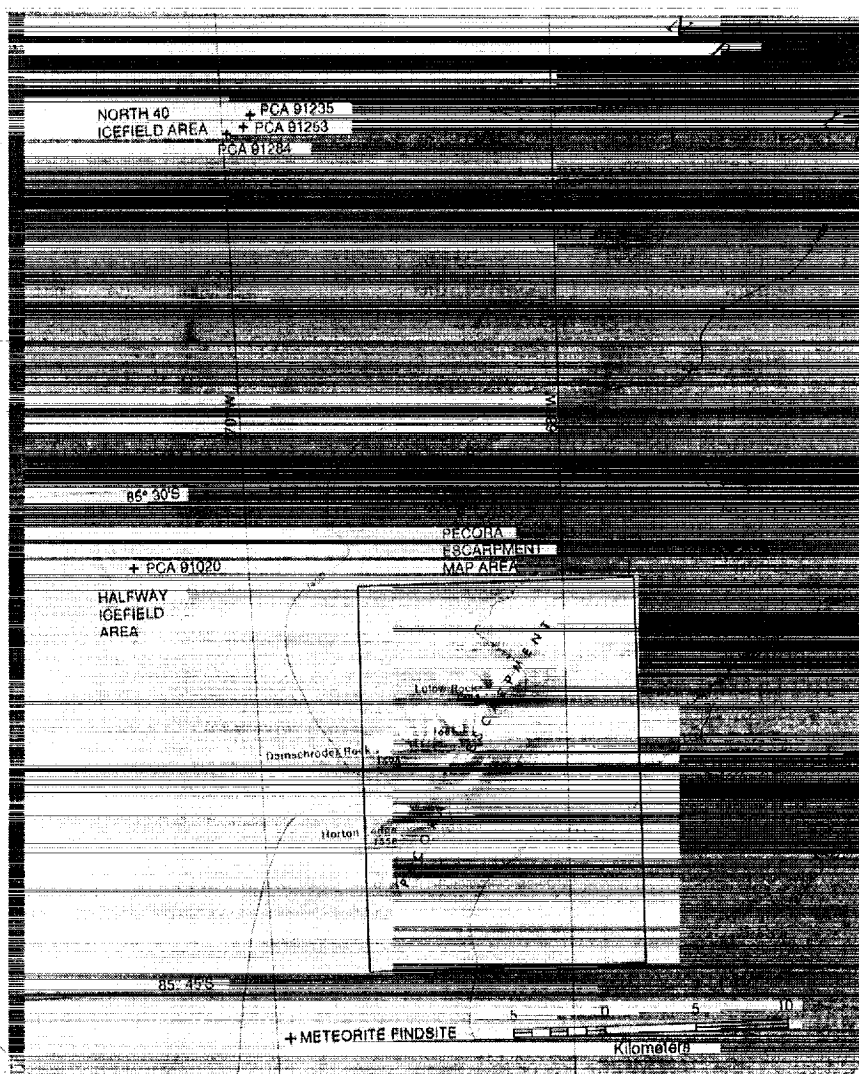
TABLE 11. Tabulation of meteorite types from the Pecora Escarpment Icefields (1982 and 1991 collections).

Number of Specimens	Classification
5	Carbonaceous C2
1	Carbonaceous C2R
1	Carbonaceous C4
1	Carbonaceous CK4
5	Chondrite (ungrouped)
1	Diogenite
10	E-3 chondrite
12	E-4 chondrite
10	Eucrite
4	Eucrite (unbrecciated)
1	H-3 chondrite
10	H-4 chondrite
117	H-5 chondrite
63	H-6 chondrite
1	Iron
9	L-4 chondrite
50	L-5 chondrite
137	L-6 chondrite
1	LL-3 chondrite
1	LL-4 chondrite
1	LL-5 chondrite
71	LL-6 chondrite
3	Pallasite
1	Ureilite
70	Unclassified
526	Total

A large meteorite fragment, PCA 91009, was found with many additional paired fragments scattered about in close proximity, and along a path at least 400 m downwind. Many of these fragments were mapped. The following meteorites found within the strewn field are probably paired with PCA 91009, but were not mapped: PCA 91047, PCA 91386, PCA 91432, PCA 91370, PCA 91367, PCA 91368, PCA 91361, and PCA 91360. No exact location information is available for PCA 91074, PCA 91431, and PCA 91264, but PCA 91074 is known to have been found

in the general area of PCA 91102 and PCA 91026 at the south end of the Northeast Steppes Icefield area. PCA 91431 was found within 0.5 km of PCA 91118 on the Main Icefield.

**Acknowledgments:** R. Crane, U. Krähenbühl, and L. Rancitelli were involved in the field work in the 1982-1983 field season. F. Anguita, R. Harvey, A. Krot, P. Wasilewski, and M. Zolensky were members of the 1990-1991 ANSMET field party. We appreciate their efforts in the field in acquiring meteorite location data.



**Fig. 38.** Map of the Pecora Escarpment area showing the area covered by the Pecora Escarpment Meteorite Location Map. Also shown are the locations of meteorites not found within the meteorite location map bounds. The base map is the U.S.G.S. 1:250,000-scale Pecora Escarpment quadrangle.

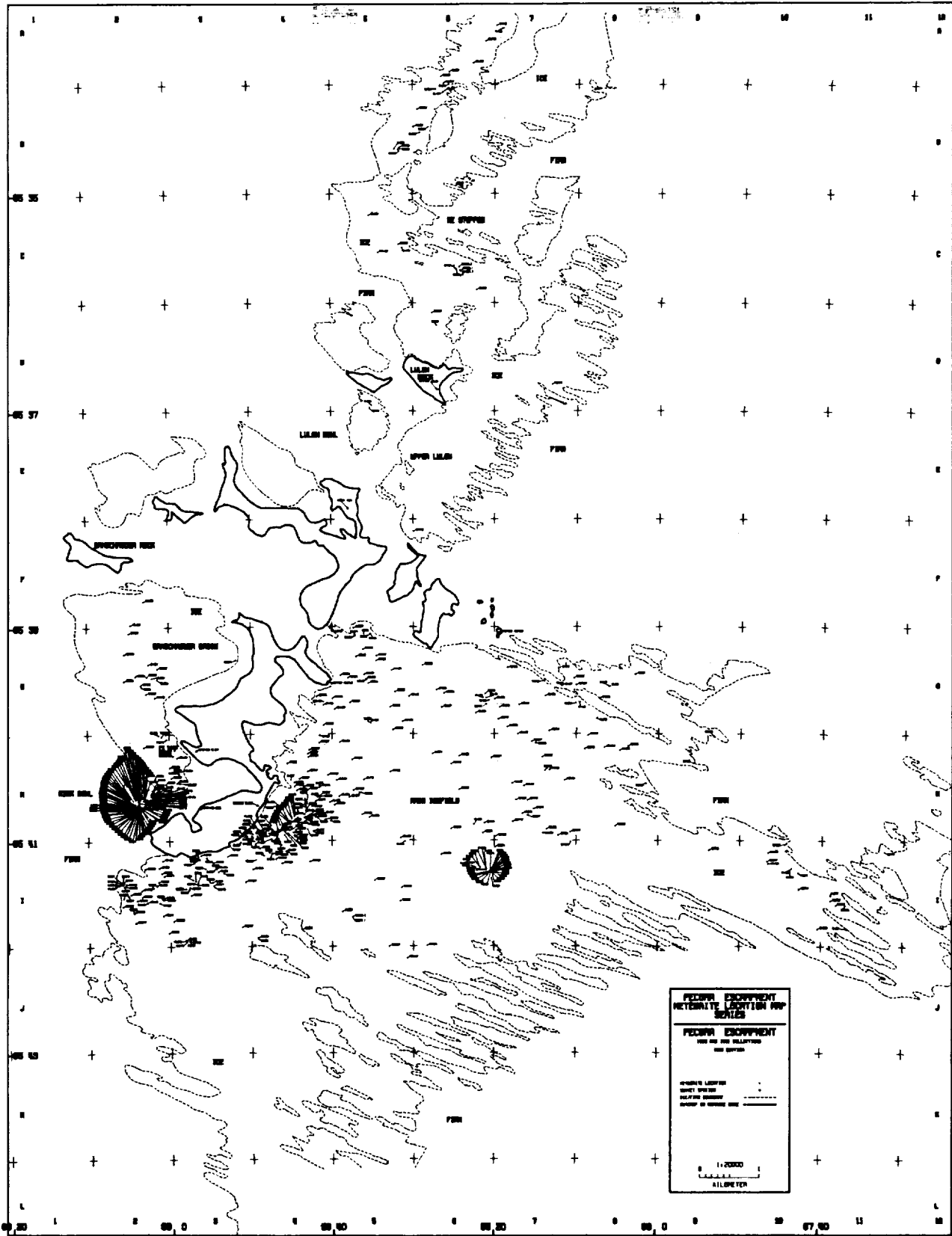


Fig 39. Reduced example of the Pecora Escarpment Meteorite Location Map.

Listing of meteorites recovered from the Pecora Escarpment Icefields  
(1982 and 1991 collections).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
PCA 82500	Carbonaceous C4	90.9	I-4	6(2)
PCA 82501	Eucrite (unbrecciated)	54.4	G-5	6(2)
PCA 82502,0	Eucrite (unbrecciated)	735.4	H-4	6(2)
PCA 82502,1	Eucrite (unbrecciated)	92.8	H-4	6(2)
PCA 82502,2	Eucrite (unbrecciated)	62.2	H-4	6(2)
PCA 82503,0	L-6 chondrite	8177.3	I-5	7(1)
PCA 82503,1	L-6 chondrite	130.7	I-5	7(1)
PCA 82504	L-5 chondrite	3093.6	H-4	7(1)
PCA 82505	L-5 chondrite	3085.5	D-5	7(1)
PCA 82506	Ureilite	5316.0	I-10	7(1)
PCA 82507	LL-6 chondrite	479.8	I-10	7(1)
PCA 82508	L-6 chondrite	389.3	G-6	7(1)
PCA 82509	L-6 chondrite	285.6	H-7	7(1)
PCA 82510	L-5 chondrite	254.2	I-9	7(1)
PCA 82511	H-4 chondrite	149.0	G-5	7(2)
PCA 82512	H-6 chondrite	55.2	D-6	7(2)
PCA 82513	L-5 chondrite	239.1	G-7	7(1)
PCA 82514	L-4 chondrite	129.8	G-6	7(2)
PCA 82515	H-4 chondrite	6.9	?	7(2)
PCA 82516	H-6 chondrite	16.0	H-7	7(2)
PCA 82517	H-5 chondrite	41.3	G-5	7(2)
PCA 82518	E-4 chondrite	21.9	G-5	7(2)
PCA 82519	L-5 chondrite	125.0	H-4	7(2)
PCA 82520	H-3 chondrite	22.7	H-4	7(2)
PCA 82521	H-5 chondrite	1.4	?	7(2)
PCA 82522	H-5 chondrite	45.5	G-5	7(2)
PCA 82523	H-6 chondrite	11.5	?	7(2)
PCA 82524	H-4 chondrite	113.8	?	7(2)
PCA 82525	L-6 chondrite	40.2	H-7	7(2)
PCA 82526	H-6 chondrite	24.9	H-8	7(2)
PCA 82527	H-6 chondrite	3.4	?	7(2)
PCA 82528	L-6 chondrite	51.4	H-4	7(2)
PCA 91001	L-4 chondrite	622.6	H-7	15(2)
PCA 91002	Chondrite (ungrouped)	210.2	H-9	15(2)
PCA 91003	Iron	117.2	H-2	15(2)
PCA 91004	Pallasite	25.7	I-3	15(2)
PCA 91005	Pallasite	3.8	H-2	15(2)
PCA 91006	Eucrite	104.4	I-10	15(2)
PCA 91007	Eucrite	223.6	H-4	15(2)
PCA 91008	Carbonaceous C2	51.7	H-2	15(2)
PCA 91009	L-6 chondrite	18000.0	I-6	15(2)
PCA 91010	L-6 chondrite	3900.6	I-6	15(2)
PCA 91011	L-5 chondrite	7272.6	H-2	15(2)
PCA 91012	L-5 chondrite	6091.8	H-2	15(2)
PCA 91013	L-5 chondrite	3413.1	H-3	15(2)
PCA 91014	L-5 chondrite	5768.0	H-3	16(1)
PCA 91015	L-5 chondrite	3965.9	H-2	16(1)
PCA 91016	L-6 chondrite	3366.7	I-6	15(2)
PCA 91017	L-6 chondrite	1420.5	I-6	15(2)
PCA 91018	L-6 chondrite	909.5	I-6	15(2)
PCA 91019	L-5 chondrite	1172.5	H-2	16(1)
PCA 91020	E-3 chondrite	1748.6	?	16(1)
PCA 91021	L-6 chondrite	522.1	I-6	15(2)
PCA 91022	L-6 chondrite	718.2	I-6	16(1)
PCA 91023	LL-6 chondrite	1402.3	H-6	16(1)
PCA 91024,0	L-6 chondrite	138.6	C-6	16(2)



Listing of meteorites recovered from the Pecora Escarpment Icefields  
(1982 and 1991 collections) (continued).

Name	Classification	Weight (g)	Grid Cell	Newsletter
PCA 91024,1	L-6 chondrite	182.8	C-6	16(2)
PCA 91024,2	L-6 chondrite	154.2	C-6	16(2)
PCA 91024,3	L-6 chondrite	95.4	C-6	16(2)
PCA 91024,4	L-6 chondrite	47.9	C-6	16(2)
PCA 91025	H-5 chondrite	711.0	I-5	16(1)
PCA 91026	H-6 chondrite	702.0	D-6	16(1)
PCA 91027	L-5 chondrite	521.2	G-3	16(1)
PCA 91028	L-5 chondrite	594.2	I-3	16(1)
PCA 91029			H-4	
PCA 91030	L-5 chondrite	334.5	I-3	16(1)
PCA 91031	H-6 chondrite	418.6	I-4	16(1)
PCA 91032	L-5 chondrite	426.6	I-2	16(1)
PCA 91033	L-5 chondrite	419.2	H-6	16(1)
PCA 91034	H-6 chondrite	341.0	I-2	16(1)
PCA 91035			B-5	
PCA 91036	L-5 chondrite	280.4	I-4	16(1)
PCA 91037			I-6	
PCA 91038	LL-4 chondrite	521.3	I-4	16(1)
PCA 91039	L-6 chondrite	492.7	H-3	16(1)
PCA 91040	H-5 chondrite	528.9	H-2	16(1)
PCA 91041	H-5 chondrite	502.6	H-8	16(1)
PCA 91042			B-6	
PCA 91043	H-5 chondrite	367.8	A-6	16(1)
PCA 91044	L-5 chondrite	375.0	I-3	16(1)
PCA 91045			?	
PCA 91046	L-5 chondrite	298.7	I-2	16(1)
PCA 91047			I-6	
PCA 91048			I-6	
PCA 91049			B-5	
PCA 91050	L-5 chondrite	186.3	G-6	16(1)
PCA 91051	H-5 chondrite	365.7	D-7	16(1)
PCA 91052	L-6 chondrite	290.9	I-3	16(1)
PCA 91053	L-5 chondrite	238.1	H-4	16(1)
PCA 91054	L-6 chondrite	437.9	I-5	16(1)
PCA 91055	L-5 chondrite	209.2	H-2	16(1)
PCA 91056	L-5 chondrite	314.6	G-7	16(1)
PCA 91057	L-6 chondrite	386.6	I-3	16(1)
PCA 91058			H-4	
PCA 91059	L-5 chondrite	258.7	H-2	16(1)
PCA 91060	L-5 chondrite	352.4	H-4	16(1)
PCA 91061			I-6	
PCA 91062	L-6 chondrite	332.0	I-11	16(1)
PCA 91063	L-5 chondrite	182.8	H-2	16(1)
PCA 91064			H-4	
PCA 91065	L-6 chondrite	267.3	I-5	16(1)
PCA 91066	L-5 chondrite	180.0	I-3	16(1)
PCA 91067	L-5 chondrite	276.5	I-3	16(1)
PCA 91068			B-6	
PCA 91069	L-5 chondrite	260.4	H-4	16(1)
PCA 91070			I-3	
PCA 91071	H-5 chondrite	376.0	H-4	16(1)
PCA 91072	L-6 chondrite	238.8	H-8	16(1)
PCA 91073	L-5 chondrite	231.6	I-3	16(1)
PCA 91074	H-6 chondrite	176.9	?	16(1)
PCA 91075	L-6 chondrite	331.7	H-2	16(1)
PCA 91076	L-6 chondrite	276.8	H-3	16(1)

Listing of meteorites recovered from the Pecora Escarpment Icefields  
(1982 and 1991 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
PCA 91077	Diogenite	18.3	I-2	16(1)
PCA 91078	Eucrite	20.9	H-4	16(1)
PCA 91079	Eucrite	3.7	I-4	16(1)
PCA 91080	H-4 chondrite	37.1	H-4	16(1)
PCA 91081	Eucrite	37.8	H-4	16(1)
PCA 91082	Carbonaceous C2R	37.9	F-6	16(1)
PCA 91083	Eucrite	26.9	H-4	16(1)
PCA 91084	Carbonaceous C2	34.4	H-2	16(1)
PCA 91085	E-4 chondrite	79.6	G-2	16(1)
PCA 91086	H-5 chondrite	61.3	G-2	16(1)
PCA 91087			I-6	
PCA 91088	H-6 chondrite	25.0	G-2	16(1)
PCA 91089			I-6	
PCA 91090	H-6 chondrite	4.6	G-5	16(1)
PCA 91091	H-6 chondrite	26.4	G-2	16(1)
PCA 91092	H-5 chondrite	23.7	G-2	16(1)
PCA 91093	H-5 chondrite	16.1	G-2	16(1)
PCA 91094	H-5 chondrite	18.8	G-2	16(1)
PCA 91095			I-6	
PCA 91096			I-6	
PCA 91097	H-5 chondrite	18.7	G-2	16(1)
PCA 91098	H-6 chondrite	41.4	G-2	16(1)
PCA 91099			I-6	
PCA 91100	L-5 chondrite	14.7	F-2	16(1)
PCA 91101	L-6 chondrite	74.5	H-6	16(1)
PCA 91102			C-5	
PCA 91103	H-6 chondrite	17.4	H-7	16(1)
PCA 91104	H-6 chondrite	120.3	B-6	16(1)
PCA 91105			B-6	
PCA 91106	L-6 chondrite	201.1	I-10	16(1)
PCA 91107	L-6 chondrite	164.6	G-6	16(1)
PCA 91108	L-6 chondrite	44.7	G-7	16(1)
PCA 91109	H-5 chondrite	80.2	C-5	16(1)
PCA 91110			G-5	
PCA 91111	H-5 chondrite	10.7	G-7	16(1)
PCA 91112			C-5	
PCA 91113			G-6	
PCA 91114	E-4 chondrite	18.0	G-5	16(1)
PCA 91115	H-5 chondrite	5.8	A-7	16(1)
PCA 91116	H-5 chondrite	131.5	G-5	16(1)
PCA 91117	L-6 chondrite	72.2	H-6	16(1)
PCA 91118	H-5 chondrite	15.8	H-6	16(1)
PCA 91119	E-4 chondrite	0.3	G-6	16(1)
PCA 91120	L-6 chondrite	3.9	G-5	16(1)
PCA 91121	H-5 chondrite	14.5	H-5	16(1)
PCA 91122	H-5 chondrite	1.9	G-8	16(2)
PCA 91123	H-5 chondrite	20.9	G-5	16(2)
PCA 91124	LL-6 chondrite	32.3	B-6	16(1)
PCA 91125	E-4 chondrite	3.3	I-10	16(1)
PCA 91126	L-4 chondrite	30.8	I-10	16(1)
PCA 91127	E-4 chondrite	0.3	G-7	16(1)
PCA 91128			A-6	
PCA 91129	E-3 chondrite	4.3	G-5	16(2)
PCA 91130	H-6 chondite	2.1	G-5	16(2)
PCA 91131	H-5 chondrite	13.0	G-7	16(2)
PCA 91132	L-6 chondrite	215.0	I-3	16(1)

Listing of meteorites recovered from the Pecora Escarpment Icefields  
(1982 and 1991 collections) (continued).

Name	Classification	Weight (g)	Grid Cell	Newsletter
PCA 91133	H-5 chondrite	43.1	H-2	16(2)
PCA 91134	H-6 chondrite	167.0	H-3	16(2)
PCA 91135	L-6 chondrite	13.6	H-4	16(1)
PCA 91136	H-5 chondrite	9.4	I-3	16(2)
PCA 91137	H-5 chondrite	7.7	H-2	16(2)
PCA 91138	H-5 chondrite	8.4	H-2	16(2)
PCA 91139	H-5 chondrite	2.7	H-2	16(1)
PCA 91140	H-6 chondrite	20.3	H-2	16(2)
PCA 91141	H-6 chondrite	16.1	H-2	16(2)
PCA 91142			H-2	
PCA 91143			H-2	
PCA 91144			H-2	
PCA 91145			H-4	
PCA 91146			H-2	
PCA 91147	Carbonaceous C2	2.8	H-2	16(1)
PCA 91148	L-6 chondrite	27.0	H-2	16(1)
PCA 91149			H-2	
PCA 91150	L-6 chondrite	18.9	H-4	16(1)
PCA 91151			H-2	
PCA 91152	H-6 chondrite	11.0	H-3	16(1)
PCA 91153			H-2	
PCA 91154			H-4	
PCA 91155			H-2	
PCA 91156	H-6 chondrite	19.7	H-2	16(1)
PCA 91157			H-4	
PCA 91158			I-2	
PCA 91159	Eucrite	8.4	H-2	16(1)
PCA 91160	L-6 chondrite	6.9	H-5	16(1)
PCA 91161			H-2	
PCA 91162	L-6 chondrite	11.0	H-2	16(1)
PCA 91163	H-6 chondrite	7.7	H-2	16(1)
PCA 91164			H-2	
PCA 91165			G-4	
PCA 91166			H-2	
PCA 91167			I-3	
PCA 91168			H-5	
PCA 91169			G-4	
PCA 91170			H-4	
PCA 91171			H-2	
PCA 91172			G-4	
PCA 91173	H-6 chondrite	33.4	H-2	16(1)
PCA 91174			H-2	
PCA 91175			H-2	
PCA 91176	L-6 chondrite	31.6	H-7	16(1)
PCA 91177			H-4	
PCA 91178			H-5	
PCA 91179	Eucrite	41.1	I-11	16(1)
PCA 91180	L-6 chondrite	18.9	H-5	16(1)
PCA 91181	L-6 chondrite	8.6	H-4	16(1)
PCA 91182	L-6 chondrite	10.4	H-7	16(1)
PCA 91183			I-10	
PCA 91184			H-7	
PCA 91185	L-6 chondrite	11.5	H-4	16(1)
PCA 91186	L-6 chondrite	43.2	H-4	16(1)
PCA 91187	L-6 chondrite	25.0	H-4	16(1)
PCA 91188			I-5	

Listing of meteorites recovered from the Pecora Escarpment Icefields  
(1982 and 1991 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
PCA 91189			I-6	
PCA 91190			H-5	
PCA 91191	L-6 chondrite	7.6	I-11	16(1)
PCA 91192	L-6 chondrite	53.1	H-4	16(1)
PCA 91193	Eucrite	12.3	H-4	16(1)
PCA 91194	H-6 chondrite	13.2	H-7	16(1)
PCA 91195			I-10	
PCA 91196	L-4 chondrite	15.1	H-4	16(1)
PCA 91197			H-5	
PCA 91198			H-4	
PCA 91199	L-6 chondrite	7.2	H-5	16(1)
PCA 91200			H-4	
PCA 91201			I-7	
PCA 91202			H-4	
PCA 91203	Carbonaceous C2	4.2	H-4	16(1)
PCA 91204	H-5 chondrite	23.4	H-4	16(1)
PCA 91205	H-6 chondrite	6.2	H-5	16(1)
PCA 91206	L-6 chondrite	2.3	H-4	16(1)
PCA 91207	H-5 chondrite	10.9	H-4	16(1)
PCA 91208	H-6 chondrite	1.3	I-6	16(1)
PCA 91209			H-5	
PCA 91210	H-5 chondrite	5.4	H-5	16(1)
PCA 91211	L-5 chondrite	215.1	H-4	16(1)
PCA 91212	L-6 chondrite	179.9	H-4	16(1)
PCA 91213	H-6 chondrite	161.4	I-4	16(1)
PCA 91214			I-4	
PCA 91215	H-6 chondrite	54.0	H-4	16(1)
PCA 91216	L-6 chondrite	130.1	I-4	16(1)
PCA 91217	L-6 chondrite	155.4	I-4	16(1)
PCA 91218	L-6 chondrite	68.0	H-4	16(1)
PCA 91219	L-6 chondrite	272.4	H-4	16(1)
PCA 91220			H-4	
PCA 91221	L-6 chondrite	46.0	H-4	16(1)
PCA 91222			I-4	
PCA 91223	L-6 chondrite	36.6	I-4	16(1)
PCA 91224	L-6 chondrite	7.0	H-4	16(1)
PCA 91225	L-6 chondrite	1.4	H-4	16(1)
PCA 91226	L-4 chondrite	20.7	H-4	16(1)
PCA 91227	H-6 chondrite	5.9	H-4	16(1)
PCA 91228	H-6 chondrite	5.2	H-4	16(1)
PCA 91229	L-6 chondrite	19.6	H-4	16(1)
PCA 91230	H-6 chondrite	0.5	G-8	16(1)
PCA 91231	H-5 chondrite	60.9	H-7	16(1)
PCA 91232	H-5 chondrite	26.0	G-7	16(1)
PCA 91233	L-6 chondrite	37.6	A-6	16(1)
PCA 91234	L-6 chondrite	20.5	I-7	16(1)
PCA 91235	L-6 chondrite	57.1	?	16(1)
PCA 91236	L-6 chondrite	25.3	B-5	16(1)
PCA 91237	L-6 chondrite	11.8	H-7	16(1)
PCA 91238	E-4 chondrite	96.2	G-8	16(1)
PCA 91239	H-5 chondrite	105.9	A-6	16(1)
PCA 91240	LL-6 chondrite	83.9	G-8	16(1)
PCA 91241	Chondrite (ungrouped)	75.0	G-8	16(1)
PCA 91242	H-5 chondrite	21.9	B-5	16(1)
PCA 91243	H-6 chondrite	2.8	I-4	16(1)
PCA 91244	L-6 chondrite	35.7	G-7	16(1)

Listing of meteorites recovered from the Pecora Escarpment Icefields  
(1982 and 1991 collections) (continued).

Name	Classification	Weight (g)	Grid Cell	Newsletter
PCA 91245	Eucrite	17.8	H-4	16(2)
PCA 91246	H-6 chondrite	6.0	H-4	16(1)
PCA 91247	H-6 chondrite	12.7	H-4	16(1)
PCA 91248	L-6 chondrite	4.7	?	16(1)
PCA 91249	L-6 chondrite	16.2	H-4	16(1)
PCA 91250			I-4	
PCA 91251			H-4	
PCA 91252	H-5 chondrite	68.1	B-6	16(1)
PCA 91253	H-6 chondrite	103.7	?	16(1)
PCA 91254	E-4 chondrite	20.8	G-5	16(1)
PCA 91255	L-5 chondrite	83.9	G-5	16(1)
PCA 91256	H-5 chondrite	12.4	H-7	16(1)
PCA 91257	L-6 chondrite	53.8	H-7	16(1)
PCA 91258	E-4 chondrite	10.4	G-6	16(1)
PCA 91259	L-6 chondrite	21.0	C-5	16(1)
PCA 91260	L-6 chondrite	6.2	A-6	16(1)
PCA 91261	H-5 chondrite	40.5	H-6	16(1)
PCA 91262	L-6 chondrite	15.8	B-6	16(1)
PCA 91263	H-5 chondrite	17.3	A-6	16(1)
PCA 91264	H-5 chondrite	46.6	?	16(1)
PCA 91265	L-6 chondrite	52.7	I-11	16(1)
PCA 91266	H-6 chondrite	27.8	I-2	16(1)
PCA 91267	H-6 chondrite	112.9	H-4	16(1)
PCA 91268	H-6 chondrite	23.8	H-4	16(1)
PCA 91269	H-6 chondrite	19.2	H-4	16(1)
PCA 91270	H-6 chondrite	31.2	I-3	16(1)
PCA 91271	H-5 chondrite	107.7	I-2	16(1)
PCA 91272	LL-6 chondrite	10.1	H-4	16(1)
PCA 91273	H-5 chondrite	2.6	I-2	16(2)
PCA 91274	L-6 chondrite	32.2	H-4	16(1)
PCA 91275	L-5 chondrite	19.5	H-4	16(2)
PCA 91276			I-3	
PCA 91277	L-6 chondrite	71.4	I-11	16(1)
PCA 91278	L-6 chondrite	17.3	H-4	16(2)
PCA 91279	H-5 chondrite	11.6	H-4	16(2)
PCA 91280	L-6 chondrite	57.6	I-3	16(1)
PCA 91281	H-5 chondrite	20.1	I-3	16(2)
PCA 91282	H-5 chondrite	71.0	I-2	16(2)
PCA 91283	H-5 chondrite	12.0	H-4	16(2)
PCA 91284			H-4	
PCA 91285	L-5 chondrite	6.5	H-4	16(2)
PCA 91286	L-5 chondrite	41.1	I-3	16(2)
PCA 91287	H-6 chondrite	70.2	I-4	16(1)
PCA 91288	L-6 chondrite	12.5	H-4	16(2)
PCA 91289	L-6 chondrite	26.2	I-10	16(1)
PCA 91290	H-6 chondrite	8.2	H-7	16(2)
PCA 91291	H-5 chondrite	9.2	I-3	16(2)
PCA 91292	H-5 chondrite	16.0	I-4	16(2)
PCA 91293			I-3	
PCA 91294	H-4 chondrite	23.2	I-3	16(2)
PCA 91295	L-6 chondrite	4.6	H-8	16(1)
PCA 91296	H-6 chondrite	4.7	I-2	16(1)
PCA 91297	H-4 chondrite	18.5	H-7	16(2)
PCA 91298	E-4 chondrite	1.6	I-11	16(1)
PCA 91299	H-5 chondrite	13.3	I-3	16(2)
PCA 91300	E-4 chondrite	4.5	H-8	16(1)

Listing of meteorites recovered from the Pecora Escarpment Icefields  
(1982 and 1991 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
PCA 91301	L-6 chondrite	2.4	I-4	16(1)
PCA 91302	L-6 chondrite	2.3	H-4	16(1)
PCA 91303	E-4 chondrite	0.8	H-8	16(1)
PCA 91304	L-6 chondrite	6.1	I-3	16(1)
PCA 91305	L-6 chondrite	5.2	H-4	16(1)
PCA 91306	H-5 chondrite	31.2	H-4	16(2)
PCA 91307	L-5 chondrite	133.9	H-2	16(2)
PCA 91308	H-5 chondrite	65.9	I-3	16(2)
PCA 91309	L-6 chondrite	63.0	H-4	16(1)
PCA 91310	L-5 chondrite	134.7	H-4	16(2)
PCA 91311	H-5 chondrite	9.8	H-2	16(2)
PCA 91312	L-6 chondrite	21.7	H-3	16(1)
PCA 91313	L-5 chondrite	16.7	H-2	16(2)
PCA 91314	H-5 chondrite	20.7	H-2	16(2)
PCA 91315	H-5 chondrite	9.3	H-4	16(2)
PCA 91316	H-5 chondrite	15.9	H-2	16(2)
PCA 91317	L-6 chondrite	162.8	H-2	16(1)
PCA 91318	L-5 chondrite	111.5	H-2	16(2)
PCA 91319	L-6 chondrite	10.1	H-4	16(1)
PCA 91320	L-5 chondrite	48.4	H-3	16(2)
PCA 91321	H-6 chondrite	23.6	H-2	16(2)
PCA 91322	H-5 chondrite	7.7	H-2	16(2)
PCA 91323	H-5 chondrite	31.8	H-3	16(2)
PCA 91324	L-6 chondrite	26.8	H-2	16(2)
PCA 91325	H-6 chondrite	2.8	H-4	16(2)
PCA 91326	H-5 chondrite	7.8	H-4	16(2)
PCA 91327	Carbonaceous C2	5.2	H-2	16(2)
PCA 91328	Chondrite (ungrouped)	11.0	H-2	16(2)
PCA 91329	H-5 chondrite	8.5	H-2	16(2)
PCA 91330	L-5 chondrite	13.2	H-4	16(2)
PCA 91331	L-4 chondrite	13.5	H-4	16(2)
PCA 91332	H-6 chondrite	7.1	H-2	16(2)
PCA 91333	H-6 chondrite	8.2	H-2	16(2)
PCA 91334	L-6 chondrite	5.9	H-4	16(2)
PCA 91335	H-6 chondrite	2.0	H-2	16(2)
PCA 91336	H-5 chondrite	4.1	H-2	16(2)
PCA 91337	H-5 chondrite	24.7	H-3	16(2)
PCA 91338	L-4 chondrite	26.5	H-4	16(2)
PCA 91339	L-5 chondrite	26.8	H-4	16(2)
PCA 91340	L-5 chondrite	4.9	H-2	16(2)
PCA 91341	H-5 chondrite	11.4	H-2	16(2)
PCA 91342	H-5 chondrite	13.0	H-2	16(2)
PCA 91343	H-6 chondrite	1.9	H-2	16(2)
PCA 91344	H-4 chondrite	3.4	H-2	16(2)
PCA 91345	H-5 chondrite	7.7	H-2	16(2)
PCA 91346	H-5 chondrite	38.6	H-4	16(2)
PCA 91347	L-5 chondrite	23.1	H-4	16(2)
PCA 91348	H-5 chondrite	6.3	H-2	16(2)
PCA 91349	H-5 chondrite	6.9	H-2	16(2)
PCA 91350	L-6 chondrite	50.2	H-4	16(2)
PCA 91351	H-5 chondrite	3.0	H-2	16(2)
PCA 91352	H-5 chondrite	1.6	H-2	16(2)
PCA 91353	L-6 chondrite	1.2	H-4	16(2)
PCA 91354	L-6 chondrite	3.8	H-2	16(2)
PCA 91355	LL-3 chondrite	3.2	H-2	16(2)
PCA 91356	H-5 chondrite	2.0	H-2	16(2)

Listing of meteorites recovered from the Pecora Escarpment Icefields  
(1982 and 1991 collections) (continued).

Name	Classification	Weight (g)	Grid Cell	Newsletter
PCA 91357	L-6 chondrite	0.1	H-2	16(2)
PCA 91358	H-6 chondrite	4.1	H-2	16(2)
PCA 91359	H-5 chondrite	2.3	H-2	16(2)
PCA 91360	L-6 chondrite	8.7	?	16(2)
PCA 91361	L-6 chondrite	20.8	?	16(2)
PCA 91362	H-6 chondrite	19.3	G-2	16(2)
PCA 91363	H-5 chondrite	25.8	G-2	16(2)
PCA 91364	L-6 chondrite	133.1	I-6	16(2)
PCA 91365	L-6 chondrite	15.0	I-6	16(2)
PCA 91366	L-6 chondrite	153.6	I-3	16(2)
PCA 91367	L-6 chondrite	31.3	?	16(2)
PCA 91368	L-6 chondrite	74.6	?	16(2)
PCA 91369	H-6 chondrite	22.0	G-2	16(2)
PCA 91370	L-6 chondrite	33.0	?	16(2)
PCA 91371	H-5 chondrite	17.0	I-2	16(2)
PCA 91372	L-6 chondrite	136.6	I-3	16(2)
PCA 91373	L-6 chondrite	12.1	I-6	16(2)
PCA 91374	L-6 chondrite	20.5	I-6	16(2)
PCA 91375	H-6 chondrite	18.5	G-2	16(2)
PCA 91376	H-5 chondrite	16.6	H-6	16(2)
PCA 91377	H-6 chondrite	1.6	I-2	16(2)
PCA 91378	H-5 chondrite	54.8	I-4	16(2)
PCA 91379	H-6 chondrite	69.3	I-2	16(2)
PCA 91380	H-5 chondrite	10.4	I-3	16(2)
PCA 91381	H-5 chondrite	11.2	I-2	16(2)
PCA 91382	L-6 chondrite	112.1	I-3	16(2)
PCA 91383	E-3 chondrite	48.9	G-5	16(2)
PCA 91384	L-4 chondrite	13.4	I-2	16(2)
PCA 91385	H-5 chondrite	3.8	I-3	16(2)
PCA 91386	L-6 chondrite	32.3	?	16(2)
PCA 91387	H-6 chondrite	0.4	I-2	16(2)
PCA 91388	Pallasite	20.7	I-2	16(1)
PCA 91389	LL-6 chondrite	101.0	?	16(2)
PCA 91390	L-6 chondrite	132.3	I-6	16(2)
PCA 91391	L-6 chondrite	137.5	I-6	16(2)
PCA 91392	H-4 chondrite	12.2	I-2	16(2)
PCA 91393	H-5 chondrite	37.6	I-3	16(2)
PCA 91394	L-6 chondrite	15.5	I-6	16(2)
PCA 91395	H-5 chondrite	39.7	F-2	16(2)
PCA 91396	L-6 chondrite	57.6	I-6	16(2)
PCA 91397	H-6 chondrite	3.1	H-4	16(2)
PCA 91398	E-3 chondrite	2.6	H-4	16(2)
PCA 91399	L-6 chondrite	4.8	I-3	16(2)
PCA 91400	L-6 chondrite	48.8	I-2	16(2)
PCA 91401	L-5 chondrite	118.8	I-6	16(2)
PCA 91402	L-5 chondrite	68.1	B-6	16(2)
PCA 91403	H-4 chondrite	73.2	I-2	16(2)
PCA 91404	H-5 chondrite	12.0	H-5	16(2)
PCA 91405	H-5 chondrite	7.5	I-2	16(2)
PCA 91406	H-5 chondrite	6.4	I-2	16(2)
PCA 91407	L-6 chondrite	5.0	I-2	16(2)
PCA 91408	H-5 chondrite	6.0	I-2	16(2)
PCA 91409	L-6 chondrite	2.7	I-4	16(2)
PCA 91410	H-6 chondrite	104.4	I-3	16(2)
PCA 91411	L-6 chondrite	103.5	I-6	16(2)
PCA 91412	L-6 chondrite	96.2	I-6	16(2)

Listing of meteorites recovered from the Pecora Escarpment Icefields  
(1982 and 1991 collections) (continued).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
PCA 91413	H-5 chondrite	50.1	J-5	16(2)
PCA 91414	H-4 chondrite	138.0	I-2	16(2)
PCA 91415	H-5 chondrite	36.3	I-3	16(2)
PCA 91416	LL-6 chondrite	165.0	J-5	16(2)
PCA 91417	LL-6 chondrite	74.2	I-3	16(2)
PCA 91418	H-6 chondrite	14.0	I-2	16(2)
PCA 91419	L-6 chondrite	28.7	I-2	16(2)
PCA 91420	L-6 chondrite	36.7	I-6	16(2)
PCA 91421	H-6 chondrite	16.4	I-3	16(2)
PCA 91422	L-6 chondrite	54.4	I-2	16(2)
PCA 91423	H-5 chondrite	9.5	I-2	16(2)
PCA 91424	L-5 chondrite	31.3	I-3	16(2)
PCA 91425	H-5 chondrite	18.1	I-3	16(2)
PCA 91426	H-5 chondrite	7.8	I-2	16(2)
PCA 91427	H-5 chondrite	8.0	I-2	16(2)
PCA 91428	L-6 chondrite	19.6	I-6	16(2)
PCA 91429	L-6 chondrite	3.1	H-5	16(2)
PCA 91430	L-6 chondrite	8.9	I-6	16(2)
PCA 91431	H-5 chondrite	8.9	?	16(2)
PCA 91432	L-6 chondrite	23.3	?	16(2)
PCA 91433	H-5 chondrite	5.6	I-2	16(2)
PCA 91434	L-6 chondrite	3.4	I-5	16(2)
PCA 91435	H-6 chondrite	8.4	I-2	16(2)
PCA 91436	L-6 chondrite	8.4	I-2	16(2)
PCA 91437	H-6 chondrite	156.2	G-5	16(2)
PCA 91438	L-6 chondrite	120.3	H-6	16(2)
PCA 91439	LL-6 chondrite	194.5	H-7	16(2)
PCA 91440	H-5 chondrite	8.0	H-2	16(2)
PCA 91441	L-6 chondrite	2.4	H-2	16(2)
PCA 91442	L-6 chondrite	10.5	H-4	16(2)
PCA 91443	H-5 chondrite	3.6	H-2	16(2)
PCA 91444	E-3 chondrite	2.6	G-5	16(2)
PCA 91445	L-5 chondrite	4.8	H-9	16(2)
PCA 91446	L-6 chondrite	22.7	H-2	16(2)
PCA 91447	H-5 chondrite	8.3	G-6	16(2)
PCA 91448	LL-6 chondrite	92.7	G-7	16(2)
PCA 91449	H-5 chondrite	8.2	G-6	16(2)
PCA 91450	L-6 chondrite	19.3	H-8	16(2)
PCA 91451	E-3 chondrite	17.7	G-5	16(2)
PCA 91452	Chondrite (ungrouped)	7.2	H-2	16(2)
PCA 91453	LL-6 chondrite	91.8	G-7	16(2)
PCA 91454	L-5 chondrite	125.7	H-2	16(2)
PCA 91455	L-6 chondrite	7.1	G-7	16(2)
PCA 91456	H-5 chondrite	3.6	H-2	16(2)
PCA 91457	H-5 chondrite	6.1	H-2	16(2)
PCA 91458	L-4 chondrite	6.7	G-5	16(2)
PCA 91459	L-6 chondrite	49.3	G-8	16(2)
PCA 91460	H-5 chondrite	10.7	H-7	16(2)
PCA 91461	E-3 chondrite	27.5	G-4	16(2)
PCA 91462	H-5 chondrite	18.2	H-7	16(2)
PCA 91463	H-5 chondrite	20.3	H-7	16(2)
PCA 91464	H-5 chondrite	133.9	C-6	16(2)
PCA 91465	H-5 chondrite	10.6	H-2	16(2)
PCA 91466	L-6 chondrite	15.9	H-2	16(2)
PCA 91467	Chondrite (ungrouped)	46.9	H-2	16(2)
PCA 91468	L-6 chondrite	6.6	G-5	16(2)



Listing of meteorites recovered from the Pecora Escarpment Icefields  
(1982 and 1991 collections) (continued).

Name	Classification	Weight (g)	Grid Cell	Newsletter
PCA 91469	H-5 chondrite	6.6	G-5	16(2)
PCA 91470	Carbonaceous CK4	33.5	H-7	16(2)
PCA 91471	H-5 chondrite	10.2	H-2	16(2)
PCA 91472	H-5 chondrite	72.5	H-2	16(2)
PCA 91473	H-5 chondrite	21.3	G-7	16(2)
PCA 91474	H-5 chondrite	77.2	H-6	16(2)
PCA 91475	E-3 chondrite	29.9	G-7	16(2)
PCA 91476	H-5 chondrite	75.7	G-5	16(2)
PCA 91477	E-3 chondrite	16.3	G-5	16(2)
PCA 91478	L-6 chondrite	14.8	H-2	16(2)
PCA 91479	LL-5 chondrite	37.1	G-5	16(2)
PCA 91480	H-5 chondrite	28.5	G-5	16(2)
PCA 91481	E-3 chondrite	0.6	G-7	16(2)
PCA 91482	L-6 chondrite	17.1	H-2	16(2)
PCA 91483	H-5 chondrite	5.5	A-7	16(2)
PCA 91484	H-5 chondrite	24.9	G-7	16(2)
PCA 91485	H-5 chondrite	7.4	G-5	16(2)
PCA 91486	H-6 chondrite	11.0	G-5	16(2)
PCA 91487	H-5 chondrite	15.4	H-2	16(2)
PCA 91488	H-5 chondrite	9.9	G-6	16(2)
PCA 91489	H-5 chondrite	19.0	D-5	16(2)
PCA 91490	H-5 chondrite	6.7	I-2	16(2)

<sup>?</sup>Meteorite location not on map area or not determined. See text for more information.

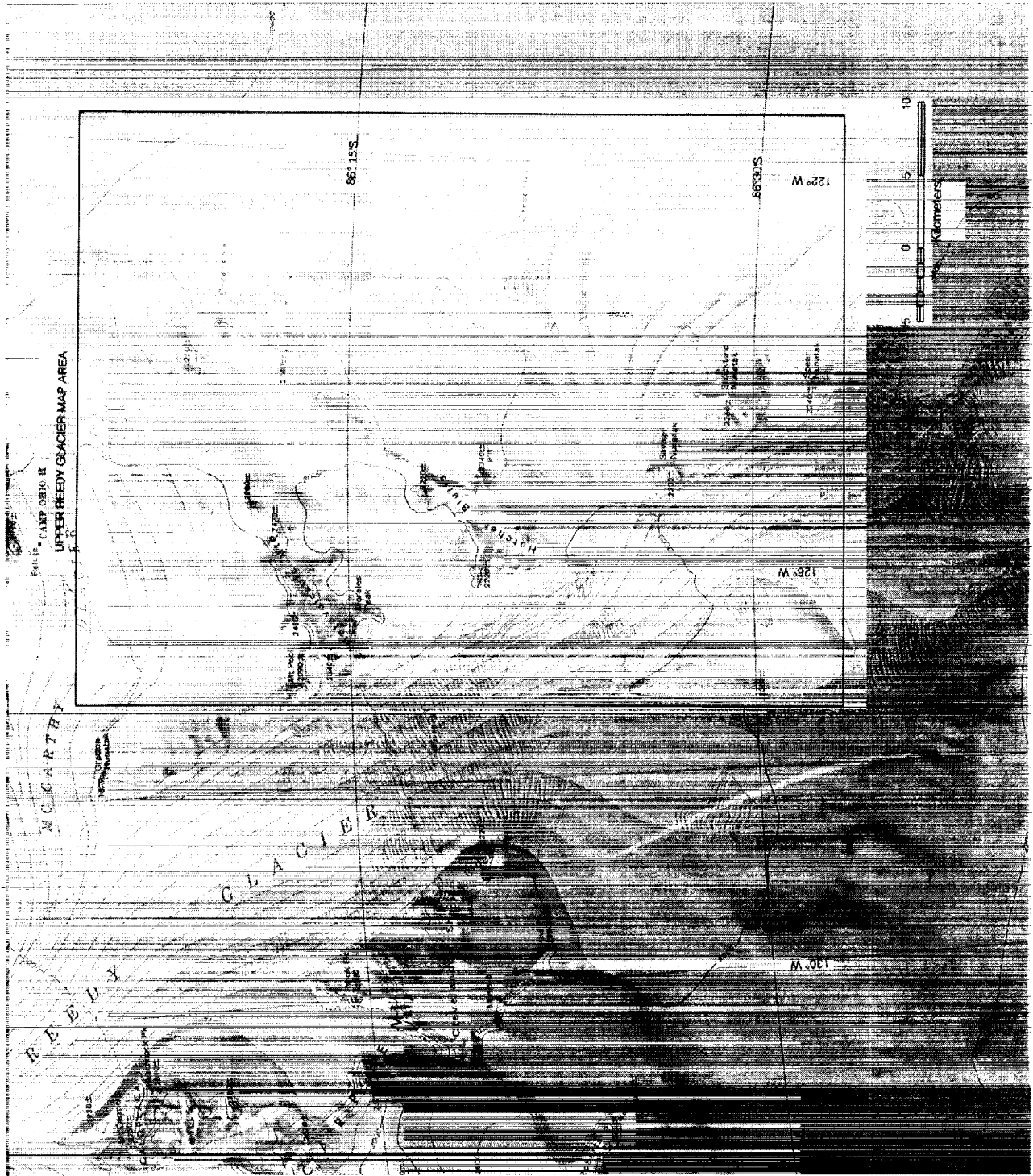


Fig. 40. Map of the Upper Reedy Glacier area of the Wisconsin Range showing the area covered by the Upper Reedy Glacier Area Meteorite Location Map. The base map is the U.S.G.S. 1:250,000-scale Catoplaça Hills quadrangle.

## WISCONSIN RANGE METEORITE LOCATION MAP SERIES, UPPER REEDY GLACIER AREA

The Upper Reedy Glacier Area Meteorite Location Map covers the southernmost extent of the Wisconsin Range in the Horlick Mountains. Ice from the Polar Plateau flows through the Wisconsin Range down the Reedy Glacier, one of the larger outlet valley glaciers in the region. An ice escarpment and isolated nunataks are situated along the east side at the head of the glacier, from Spear Nunatak at the south, trending northward for 50 km. Numerous bare ice areas are present along the escarpment and adjacent to the nunataks. The area covered by the meteorite location map is shown on Fig. 40.

Four meteorite specimens were discovered in the Wisconsin Range by a Twin Otter-supported geological party visiting Spear Nunatak during the 1990–1991 season. A two-person search team returned to the area for three days during the 1991–1992 season and recovered 29 meteorites from the icefields around Spear Nunatak, Strickland Nunatak, and Point 2250. Table 12 is a tabulation of the types of meteorites and their numbers from the Wisconsin Range Icefields.

The meteorite location map is plotted at a scale of 1:50,000 in a polar stereographic projection. The grid cells for this map are defined by latitude and longitude intervals of 2.5 minutes of latitude and 30 minutes of longitude. Topographic contours and outcrop areas were digitized from the 1:250,000-scale U.S.G.S. Caloplaca Hills quadrangle and are very generalized. No icefield ice/firn boundaries are plotted on the map due to the lack of appropriate air photos or satellite images from which that information is derived. Figure 41 is a reduced example of the Wisconsin Range–Upper Reedy Glacier Area Meteorite Location Map. The locations of the 1991–1992 meteorites were determined using a single GPS receiver and averaging 25–100 fixes.

Except for the 1990 collection, the meteorite listing also

groups specimens according to the icefield area in which they were found. Exact locations of the meteorites found in 1990–1991 are not available. It is known, however, that three specimens were found in close proximity to Spear Nunatak and one was found on the East Spear Nunatak Icefield.

TABLE 12. Tabulation of meteorite types from the Upper Reedy Glacier Meteorite Location Map area, Wisconsin Range (1990 and 1991 collection).

Number of Samples	Classification
1	H-3 chondrite
2	Carbonaceous C2
1	H-4 chondrite
6	H-5 chondrite
7	L-4 chondrite
1	H-6 chondrite
5	L-5 chondrite
5	L-6 chondrite
1	LL-4 chondrite
2	LL-5 chondrite
1	LL-6 chondrite
1	Unclassified
33	Total

**Acknowledgments:** We thank S. Borg and his field party members for contributing the four 1990 meteorite specimens to the collection. We also thank P. Wasilewski for his field work in the 1991–1992 season. The support of the aircraft crew, J. C. Armstrong, C. Boutin, and H. Perk of Kenn Borek Air, Ltd., is much appreciated.

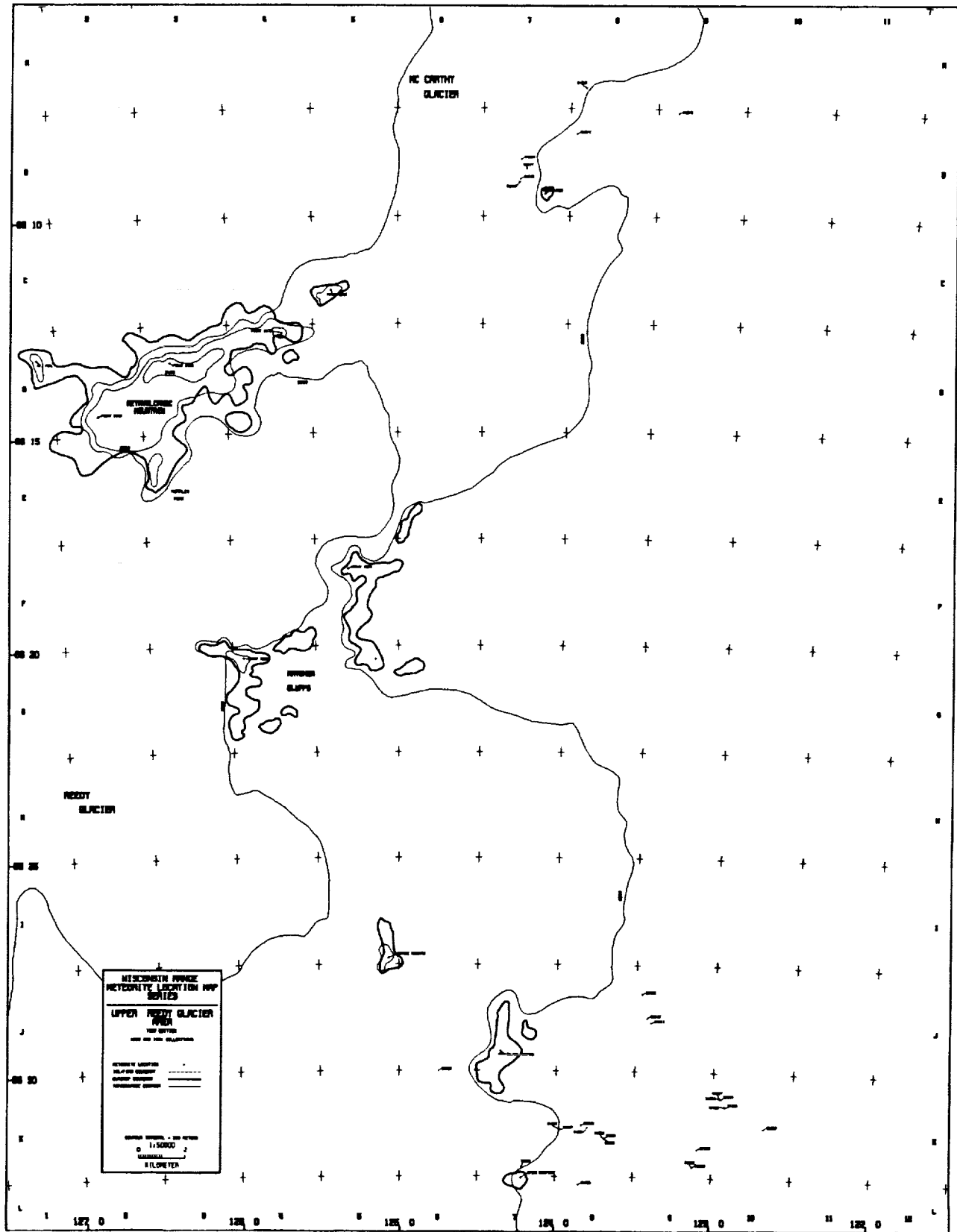


Fig. 41. Reduced example of the Wisconsin Range-Upper Reedy Glacier Area Meteorite Location Map.

Listing of meteorites recovered from the Upper Reedy Glacier Area, Wisconsin Range  
(1990 and 1991 collections).

Meteorite Name	Classification	Weight (g)	Grid Cell	Newsletter
WIS 90300	L-5 chondrite	338.1	?	15(1)
WIS 90301	L-6 chondrite	805.9	?	15(1)
WIS 90302	H-5 chondrite	3864.6	?	15(1)
WIS 90303	L-5 chondrite	196.4	?	15(1)
<i>Spear Nunatak Icefield</i>				
WIS 91600	Carbonaceous C2	184.1	K-7	16(1)
WIS 91601	LL-5 chondrite	587.7	K-8	16(1)
WIS 91602	L-5 chondrite	83.3	K-8	16(1)
WIS 91603	L-4 chondrite	1092.4	K-8	16(1)
WIS 91604	L-4 chondrite	58.4	K-8	16(1)
WIS 91605	L-4 chondrite	748.6	L-8	16(1)
WIS 91606	L-5 chondrite	29.1	K-8	16(1)
WIS 91607	L-4 chondrite	106.7	K-8	16(1)
WIS 91608	Carbonaceous C2	0.3	K-8	16(1)
<i>Strickland Nunatak Icefield</i>				
WIS 91609	H-4 chondrite	11.1	K-6	16(1)
<i>East Strickland Nunatak Icefield</i>				
WIS 91610	H-6 chondrite	77.3	J-9	16(1)
WIS 91611	L-5 chondrite	1.5	J-9	16(1)
WIS 91612	L-6 chondrite	501.0	J-9	16(1)
<i>2250 North Icefield</i>				
WIS 91613	H-5 chondrite	66.2	B-9	16(1)
WIS 91614			B-8	
WIS 91615	LL-6 chondrite	13.9	A-8	16(1)
WIS 91616	L-4 chondrite	217.7	B-7	16(1)
WIS 91617	H-5 chondrite	82.9	B-7	16(1)
WIS 91618	LL-4 chondrite	197.6	B-7	16(1)
WIS 91619	H-5 chondrite	150.3	B-7	16(1)
<i>East Spear Nunatak Icefield</i>				
WIS 91620	L-4 chondrite	37.3	K-10	16(1)
WIS 91621	H-5 chondrite	86.5	K-10	16(1)
WIS 91622	H-5 chondrite	440.9	K-10	16(1)
WIS 91623	L-6 chondrite	1180.5	K-9	16(1)
WIS 91624	LL-5 chondrite	71.1	K-9	16(1)
WIS 91625	L-4 chondrite	149.2	K-9	16(1)
WIS 91626	L-6 chondrite	163.2	K-10	16(1)
WIS 91627	H-3 chondrite	107.0	K-10	16(1)
WIS 91628	L-6 chondrite	150.1	K-10	16(1)

?No meteorite position was determined or location information was recorded. See text.



## PATUXENT RANGE

During the 1991–1992 field season a reconnaissance traverse was made through the Patuxent Range of the Pensacola Mountains in search of meteorite concentrations (Harvey and Schutt, 1992). Figure 42 is a portion of the 1:250,000-scale U.S.G.S. Thomas Hills and Pecora Escarpment quadrangles, which covers the Patuxent Range area that was investigated.

At the vast bare ice area referred to as the Patuxent Main Icefield a total of 20 specimens was recovered. Figure 43 is an aerial photo, looking southeast, which shows most of the Patuxent Range Main Icefield. All 20 meteorites from this area were found to the left (eastward) of the sinuous moraine (in the center-right of the photo) on ice that was free of terrestrial rocks. In the vicinity of the moraines the ice is littered with black rocks that induce extremely poor searching conditions. No meteorite location map has been produced for this area. Table 13 is a tabulation of types of meteorites and their numbers from the Patuxent Main Icefield. Two isolated finds, PAT 91500 and PAT 91509, were made at Lekander Nunatak (85°04'S, 064°29'W) and Mt. Tolchin (85°06'S, 065°12'W) respectively. These areas are shown in an aerial photo looking northwest (Fig. 44).

At Brazitis Nunatak (84°58'S, 067°23'W) a number of specimens were found in a small section of a larger ice patch downstream of the nunatak. Brazitis Nunatak can be seen in the distance in Fig. 44. The area was systematically searched, resulting in the recovery of 34 meteorite specimens. A scatter field of paired fragments, collected and mapped as PAT 91501,0, consisted of approximately 15 fragments strewn about 130 m downwind from the main mass, which measured 18 × 14 × 15 cm in three dimensions. Four additional fragments were found a considerable distance downwind, near the icefield edge. Table 14 is a tabulation of types of meteorites and their numbers from the Brazitis Nunatak Icefield. A map showing the relative location of the Brazitis Nunatak meteorites is shown in Fig. 45. The approximate area covered by the map is shown in Fig. 42.

TABLE 13. Tabulations of meteorite types from the Patuxent Main Icefield, Patuxent Range (1991 collection).

Number of Specimens	Classification
1	Chondrite (ungrouped)
1	H-4 chondrite
1	H-6 chondrite
8	H-5 chondrite
1	L-4 chondrite
2	L-5 chondrite
6	L-6 chondrite
20	Total

TABLE 14. Tabulation of meteorite types from the Brazitis Nunatak Icefield, Patuxent Range (1991 collection).

Number of Specimens	Classification
17	L-6 chondrite
9	L-5 chondrite
5	L-7 chondrite
1	LL-5 chondrite
2	Unclassified
34	Total

The location data for the Patuxent Range meteorites are available in the AMLAMP database as latitude and longitude. The locations were determined using single GPS receivers and averaging 25–75 fixes. The stated accuracy of the fixes is  $\pm 100$  m, but is probably better in practice.

**Acknowledgments:** F. Anguita, R. Harvey, A. Krot, P. Wasilewski, and M. Zolensky were members of the 1990–1991 field party. We appreciate their efforts in acquiring meteorite location data.



Fig. 43. Oblique aerial photo looking southeast over the Patuxent Main Icefield area (U.S.G.S/U.S. Navy photo TMA 1498-F31).



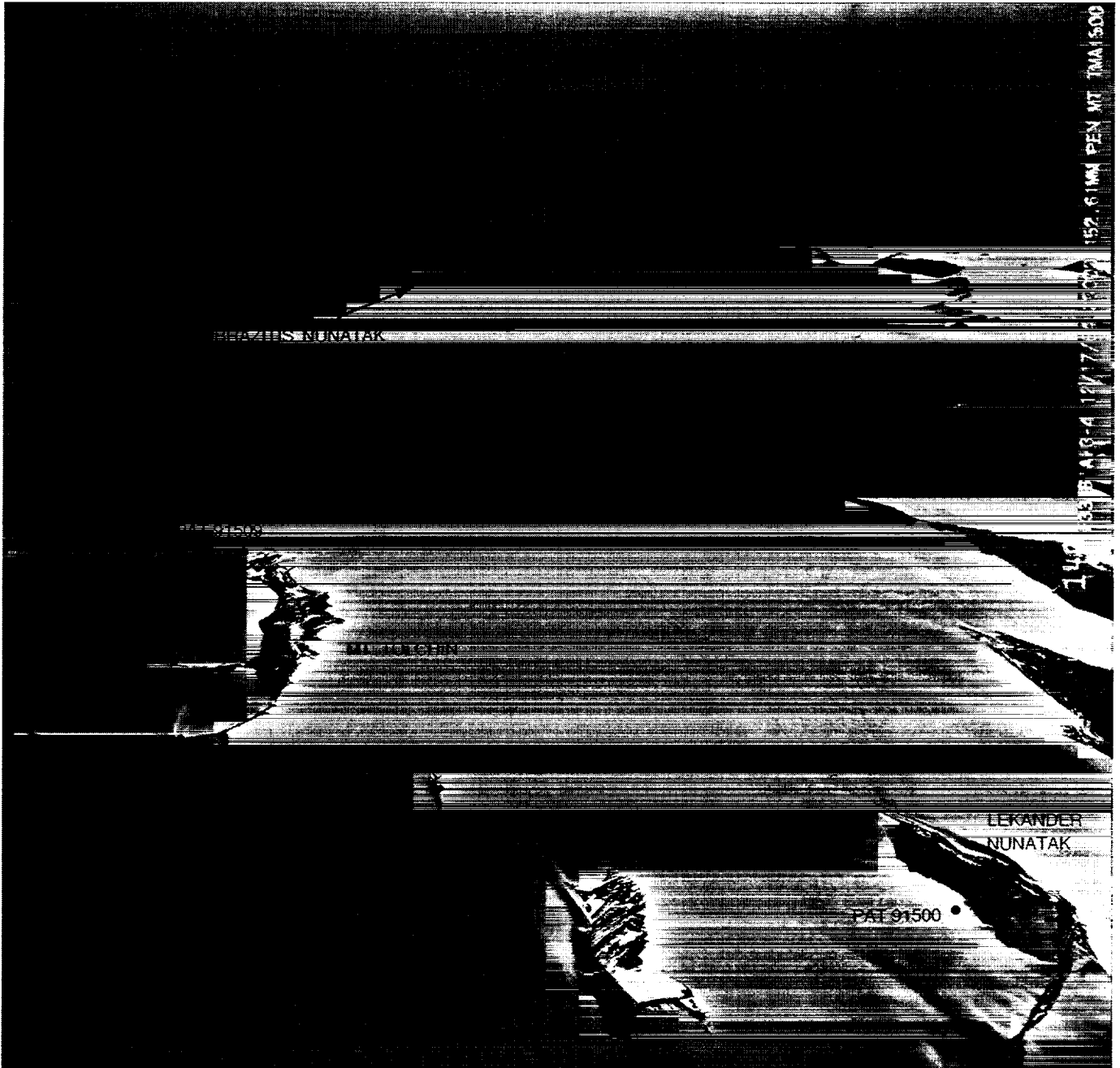


Fig. 44. Oblique aerial photo looking westward over Lekander Nunatak and Mt. Tolchin with the locations of PAT 91500 and PAT 91509 indicated. Brazitis Nunatak is in the distance.

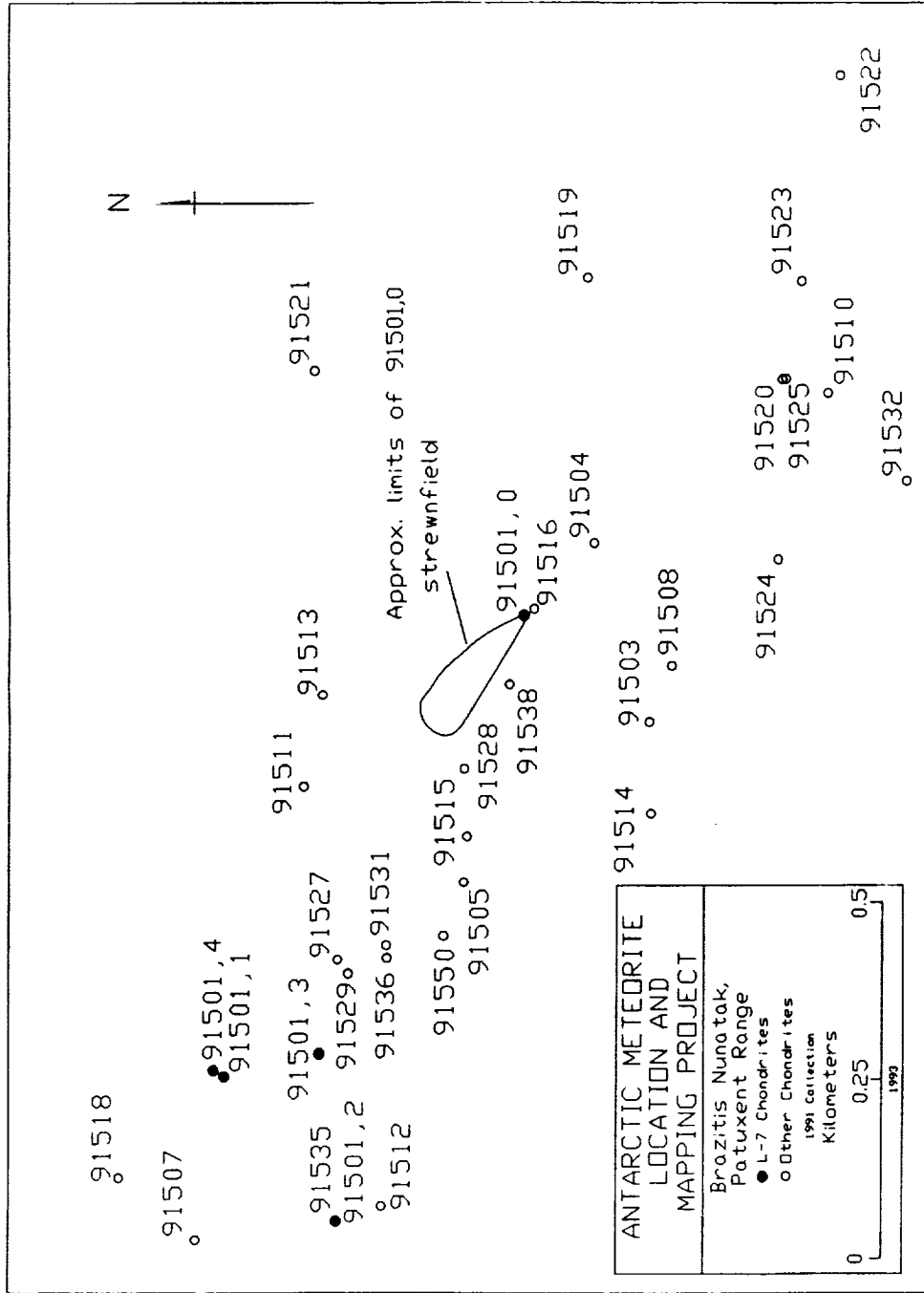


Fig. 45. Map of the Brazilitis Nunatak area where meteorites were found. Geographic coordinates were transformed to polar stereographic x-y coordinates and then plotted using a CAD software package.

Listing of meteorites recovered from the Patuxent Range region  
(1991 collection).

Meteorite Name	Classification	Weight (g)	Locale	Newsletter
PAT 91500	L-5 chondrite	1622.7	Lekander	15(2)
PAT 91501,0	L-7 chondrite	8520.9*	Brazitis	15(2)
PAT 91501,1	L-7 chondrite	6.0	Brazitis	15(2)
PAT 91501,2	L-7 chondrite	6.5	Brazitis	15(2)
PAT 91501,3	L-7 chondrite	13.0	Brazitis	15(2)
PAT 91501,4	L-7 chondrite	4.2	Brazitis	15(2)
PAT 91502	L-4 chondrite	620.4	Main	16(1)
PAT 91503	L-6 chondrite	463.9	Brazitis	16(1)
PAT 91504	L-6 chondrite	350.4	Brazitis	16(1)
PAT 91505	L-6 chondrite	270.9	Brazitis	16(1)
PAT 91506	L-6 chondrite	250.5	Main	16(1)
PAT 91507	L-6 chondrite	211.8	Brazitis	16(1)
PAT 91508	L-5 chondrite	264.6	Brazitis	16(1)
PAT 91509	L-5 chondrite	282.4	Mt. Tolchin	16(1)
PAT 91510	L-6 chondrite	207.3	Brazitis	16(1)
PAT 91511	L-6 chondrite	232.3	Brazitis	16(1)
PAT 91512	L-5 chondrite	177.4	Brazitis	16(1)
PAT 91513	L-6 chondrite	276.0	Brazitis	16(1)
PAT 91514	L-6 chondrite	148.1	Brazitis	16(1)
PAT 91515	L-6 chondrite	49.5	Brazitis	16(1)
PAT 91516			Brazitis	
PAT 91518	L-6 chondrite	94.7	Brazitis	16(1)
PAT 91519	L-5 chondrite	59.1	Brazitis	16(1)
PAT 91520	L-5 chondrite	66.6	Brazitis	16(1)
PAT 91521	L-5 chondrite	22.8	Brazitis	16(1)
PAT 91522	L-5 chondrite	160.2	Brazitis	16(1)
PAT 91523	L-6 chondrite	76.6	Brazitis	16(1)
PAT 91524	L-5 chondrite	63.4	Brazitis	16(1)
PAT 91525	L-6 chondrite	11.9	Brazitis	16(1)
PAT 91526	H-4 chondrite	18.4	Main	16(1)
PAT 91527	L-6 chondrite	75.7	Brazitis	16(1)
PAT 91528			Brazitis	
PAT 91529	L-5 chondrite	12.6	Brazitis	16(1)
PAT 91530	L-6 chondrite	0.8	Main	16(1)
PAT 91531	L-6 chondrite	95.6	Brazitis	16(1)
PAT 91532	L-6 chondrite	60.6	Brazitis	16(1)
PAT 91533	L-5 chondrite	16.7	Main	16(1)
PAT 91534	L-6 chondrite	7.2	Main	16(1)
PAT 91535	LL-5 chondrite	29.4	Brazitis	16(1)
PAT 91536	L-6 chondrite	93.6	Brazitis	16(1)
PAT 91537	L-5 chondrite	135.1	Main	16(1)
PAT 91538	L-5 chondrite	26.9	Brazitis	16(1)
PAT 91539	H-6 chondrite	42.7	Main	16(1)
PAT 91540	H-5 chondrite	10.5	Main	16(1)
PAT 91541	H-5 chondrite	2.8	Main	16(1)
PAT 91542	L-6 chondrite	5.7	Main	16(1)
PAT 91543	H-5 chondrite	5.0	Main	16(1)
PAT 91544	H-5 chondrite	9.1	Main	16(1)
PAT 91545	H-5 chondrite	10.1	Main	16(1)
PAT 91546	Chondrite (ungrouped)	17.9	Main	16(1)
PAT 91547	H-5 chondrite	7.5	Main	16(1)
PAT 91548	H-5 chondrite	5.7	Main	16(1)

Listing of meteorites recovered from the Patuxent Range region  
(1991 collection) (continued).

Meteorite Name	Classification	Weight (g)	Locale	Newsletter
PAT 91549	H-5 chondrite	1.3	Main	16(1)
PAT 91550	L-6 chondrite	50.0	Brazitis	16(1)
PAT 91551	L-6 chondrite	5.8	Main	16(1)
PAT 91552	L-6 chondrite	9.4	Main	16(1)

\*Total mass of approximately 15 fragments from a scatter field.

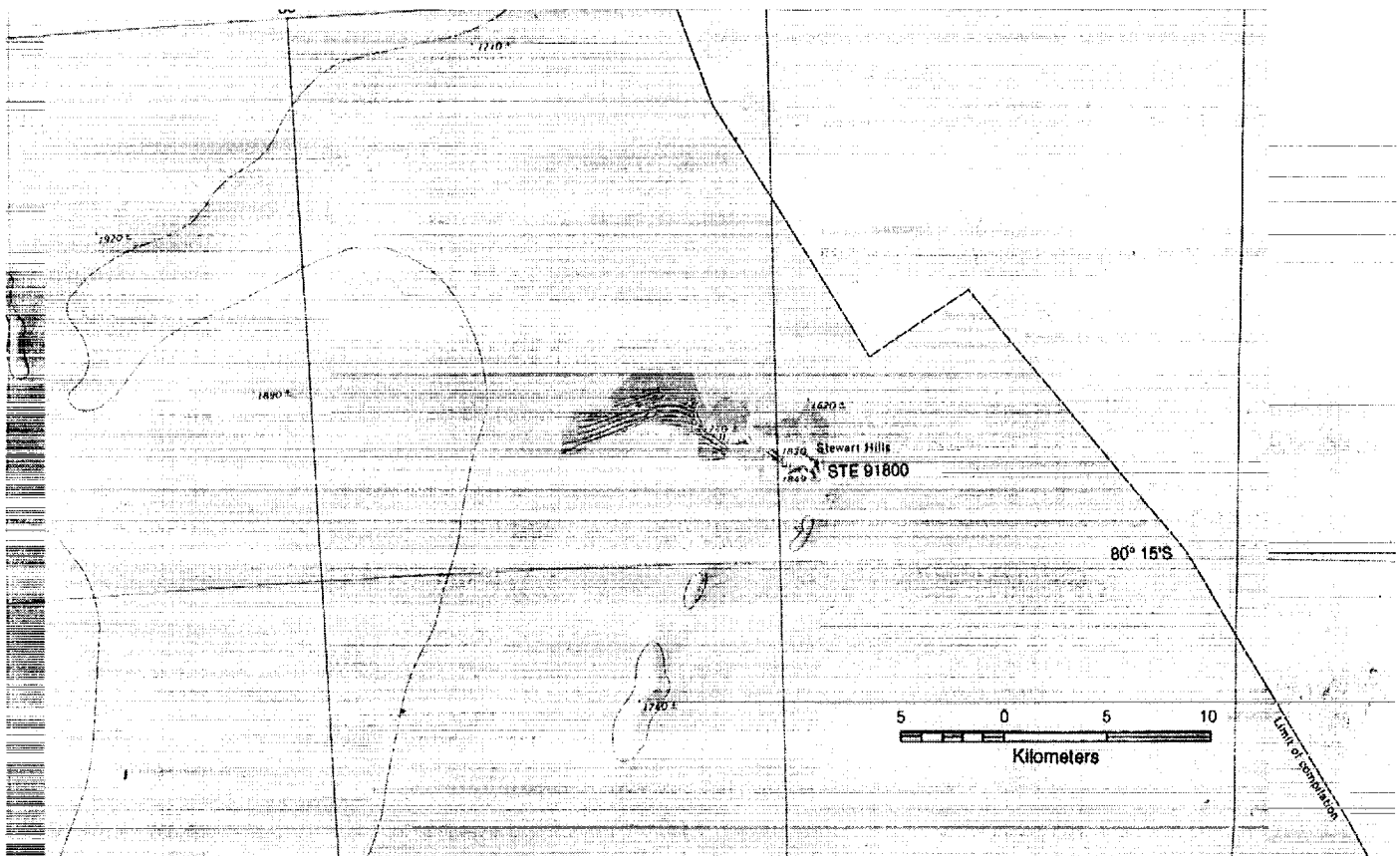


Fig. 46. Map of the Stewart Hills area indicating the location of STE 91800. The base map is the U.S.G.S. 1:250,000-scale Stewart Hills quadrangle.

## STEWART HILLS

During the 1991–1992 field season the small icefield around Stewart Hills (84°12'S, 086°00'W) was investigated during aircraft-based reconnaissance (Fig. 46). The Stewart Hills are small isolated nunataks located approximately 80 km northeast of the Thiel Mountains and are only one of two bedrock exposures on the 1:250,000-scale U.S. Geological Survey Stewart Hills quadrangle. Searches across the bare ice areas yielded no meteorites. However, one specimen, STE 91800, was discovered lying in an ice-cored moraine at the base of a talus slope at the northeast end of the nunatak. Figure 47 is an oblique aerial photo of the Stewart Hills indicating the location of this specimen.

**Acknowledgments:** We thank P. Wasilewski for his field work in the 1991–1992 season. The support of the Twin Otter aircraft crew, J. C. Armstrong, H. Perk, and C. Boutin of Kenn Borek Air, Ltd., is much appreciated.

Listing of meteorites recovered from the Stewart Hills  
(1991 collection).

Meteorite Name	Classification	Weight (g)	Newsletter
STE 91800	L-6 Chondrite	140.3	16(1)

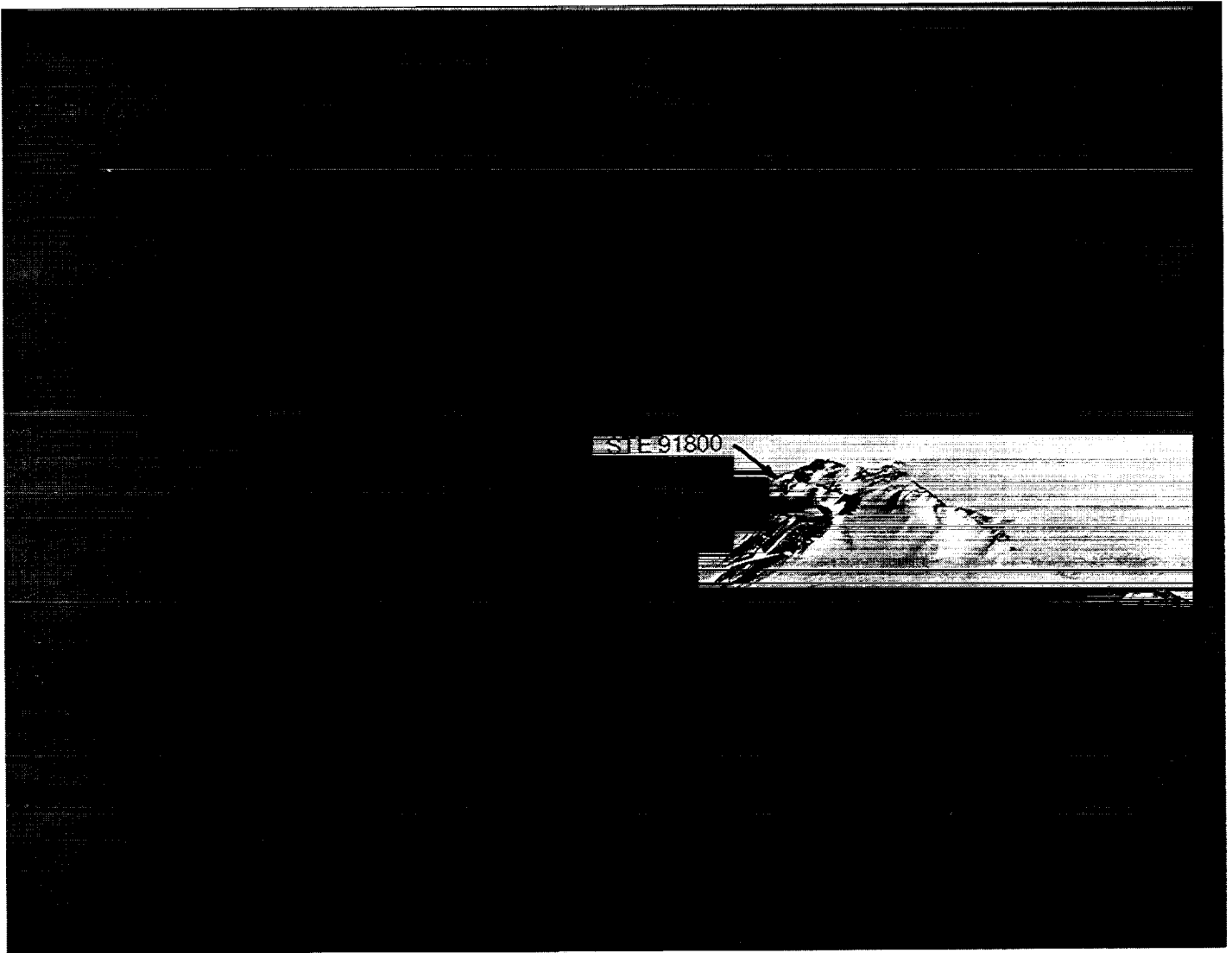


Fig. 47. Oblique aerial photo of the Stewart Hills indicating the location of STE 91800 (U.S.G.S./U.S. Navy photo TMA 278-F33).

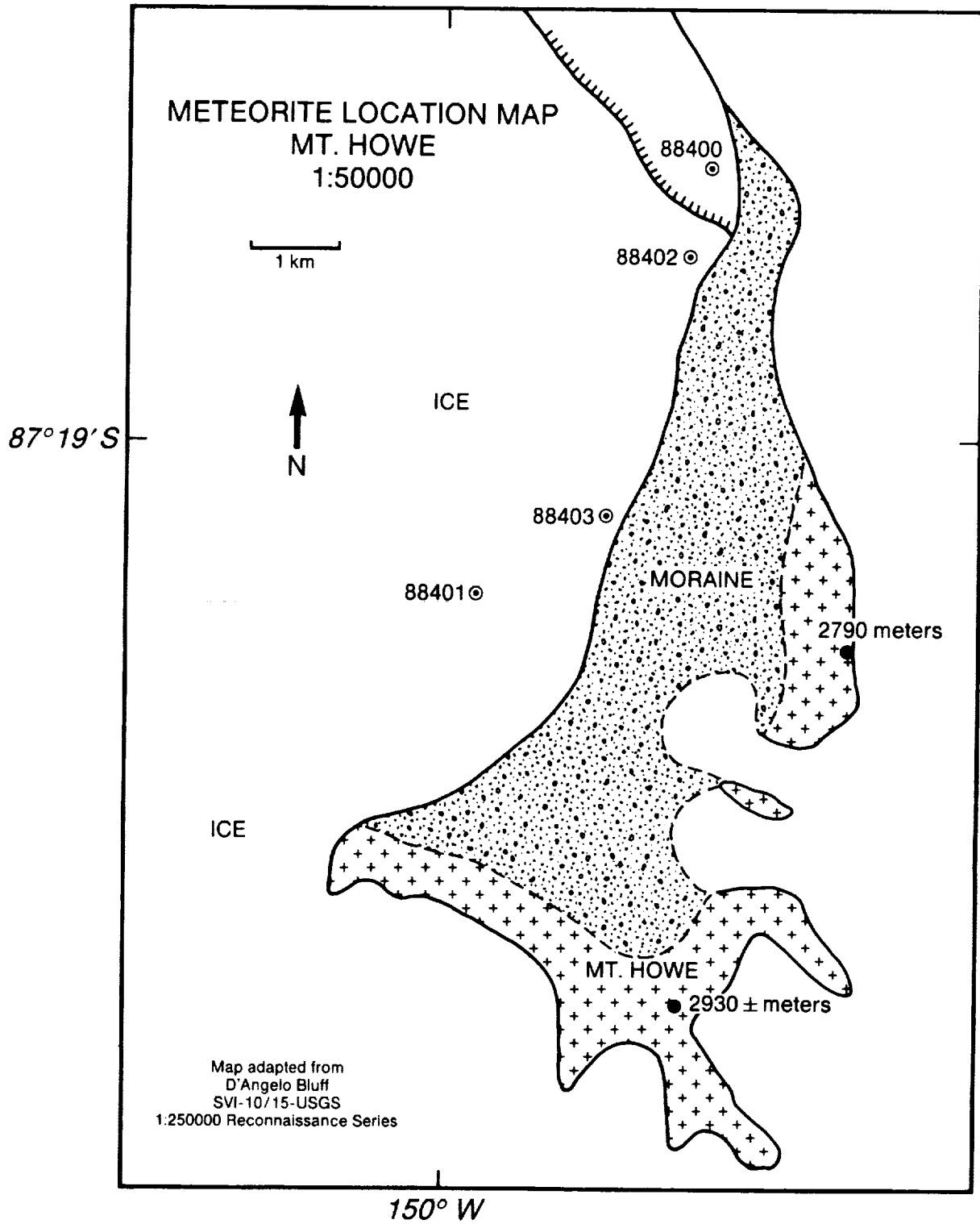


Fig. 48. Sketch map of the Mt. Howe area indicating the general locations of the four meteorites recovered during the 1988–1989 season.

## MOUNT HOWE

Mount Howe (87°22'S, 149°30' W) is located some 420 km from the South Pole, making it the southernmost exposed bedrock on the Antarctic continent. A bare ice area of approximately 30 km<sup>2</sup> is situated along the western side of the nunatak and downwind of an extensive ice-cored moraine. Flow lines and ice structures indicate that the ice is moving northward past Mount Howe down the Scott Glacier. The area is covered by the 1:250,000-scale U.S.G.S. D'Angelo Bluff quadrangle.

During the 1988-89 field season a group led by C. Swithinbank was at Mount Howe evaluating the icefield as a possible blue ice runway for large, wheeled aircraft. One of the members found HOW 88403 during the survey. A two-person ANSMET search team was sent to see if additional specimens could be found. Several days were spent in a detailed evaluation of the site. Only three additional meteorites were discovered (Cassidy, 1989). Figure 48 is a

sketch map of the area indicating the approximate locations of the Mount Howe meteorite specimens.

**Acknowledgments:** We thank C. Swithinbank and members of the ice runway survey group for contributing the specimen and providing logistics for the ANSMET reconnaissance team. Ralph Harvey assisted in the search for other meteorites.

### Listing of meteorites recovered from the Mt. Howe Icefield (1988 collection).

Meteorite Name	Classification	Weight (g)	Newsletter
HOW 88400	H-6 chondrite	2104.2	12(3)
HOW 88401	Eucrite	1622.7	12(3)
HOW 88402	H-5 chondrite	21.9	14(2)
HOW 88403	Iron-ataxite (anomalous)	2480.7	13(2)

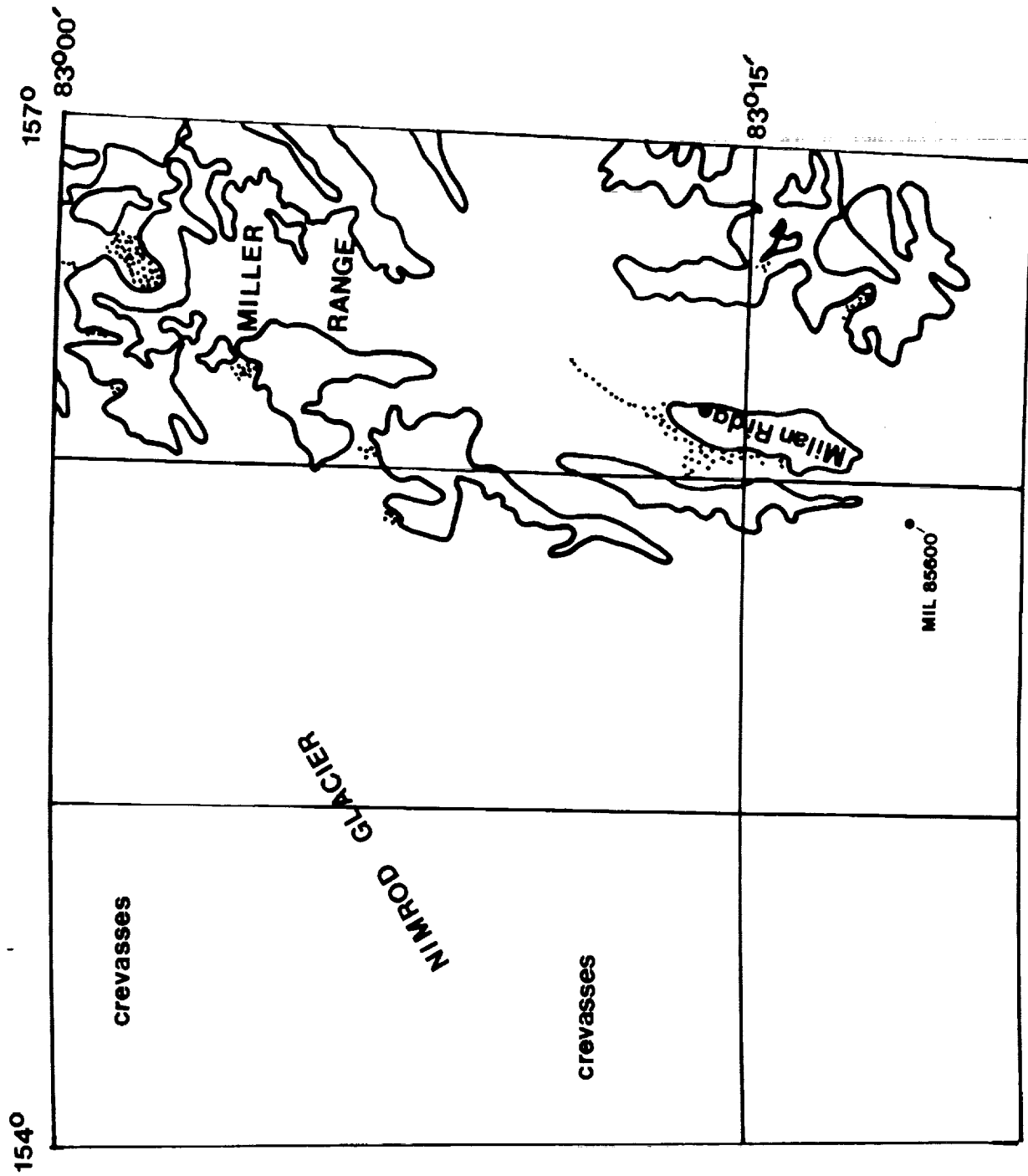


Fig. 49. Sketch map 1, showing the location of the single meteorite specimen recovered from the Miller Range, Nimrod Glacier region.



## NIMROD GLACIER REGION

During the 1985–1986 field season some of the icefields near the upper reaches of the Nimrod Glacier were investigated (Cassidy, 1986, 1992). Only a few specimens were discovered. One specimen was found south of the Miller Range ( $83^{\circ}15'S$ ,  $157^{\circ}00'E$ ) and two specimens were recovered from icefields in the southern Geologists Range ( $82^{\circ}30'S$ ,  $155^{\circ}30'E$ ). Sketch maps of these areas are shown

in Figs. 49 and 50. The 1:250,000-scale U.S.G.S. Mount Rabot quadrangle covers the Miller Range area and the Geologists Range quadrangle covers the Geologists Range area.

**Acknowledgments:** P. Englert, T. Thomas, and C. Thompson were involved in the 1985–1986 reconnaissance searches.

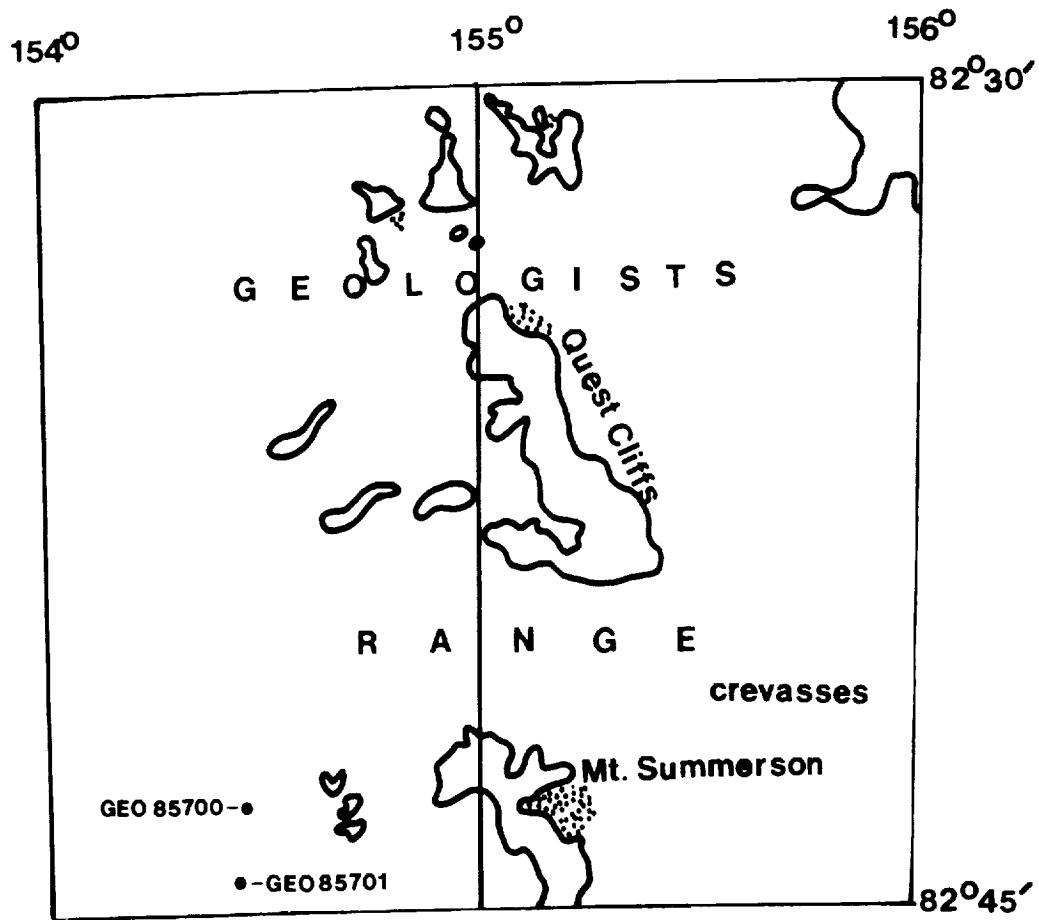


Fig. 50. Sketch map 2, showing the location of meteorites from the Geologists Range, Nimrod Glacier region.

## Listing of meteorites recovered from the Nimrod Glacier Region (1985 collection).

Meteorite Name	Classification	Weight (g)	Map	Newsletter
MIL 85600	H-5 chondrite	496.9	1	10(1)
GEO 85700	L-6 chondrite	2409.0	2	10(1)
GEO 85701	L-6 chondrite	438.6	2	10(1)

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# User's Guide to AMLAMP Data

Data files used in the AMLAMP are now available for general use. Access to the data is through network connections to the VAX computer at the LPI. This section describes the structure and content of the various AMLAMP map plot files, explanatory text, and databases that are available on the LPI computer. Instructions for accessing and downloading these files are also included.

Meteorite location maps and thematic maps can be ordered from the LPI. An order form is provided in Appendix A.

**Accessing the AMLAMP Database.** Access to the AMLAMP database is through the NASA Science Internet computer network using telnet or FTP protocols. If you want to download the files to your computer, use the FTP. The following is a step-by-step guide to downloading files.

- From your computer enter **ftp lpi.jsc.nasa.gov** or **ftp 192.101.147.11**.
- Enter **anonymous** as the USERNAME.
- Use your e-mail address as the password.
- Change directory to AMLAMP by entering **cd amlamp**.
- Enter **get readme.lst** to retrieve the text file that has the most current information on the databases.
- To obtain the Allan Hills Main Icefield South map section, for example, go to the ANSEMT1 directory.
- Enter **cd amlamp1**. Enter **dir** to obtain a listing of the files in this subdirectory.
- Repeat the **get** command for the files you wish to retrieve.
- To go back up one subdirectory level enter **cd ..** (don't forget to use a space between the cd and the periods).
- Enter **quit** to exit.

**AMLAMP Data Structure.** The AMLAMP uses an arbitrary "icefield" code that has been assigned to each map area/icefield for which there are meteorite location maps. The following icefield codes are currently in use to name the various subdirectories and files from the different areas:

1. Allan Hills Main Icefield
2. Allan Hills Near Western Icefield
3. Allan Hills Middle Western Icefield
4. Allan Hills Far Western Icefield
6. Elephant Moraine–Elephant Moraine Icefield
8. Elephant Moraine–Texas Bowl Icefield
10. Elephant Moraine–Northern Ice Patch
13. Reckling Peak–Reckling Moraine Icefield
15. Lewis Cliff Area and Ice Tongue
18. Queen Alexandra Range–Goodwin Nunatak Area
20. Pecora Escarpment
25. Patuxent Range–Main Icefield Area

26. Patuxent Range–Brazitis Nunatak Icefield
30. Wisconsin Range–Upper Reedy Glacier Area
35. Thiel Mountains–Moulton Escarpment Icefield

**AMLAMP Subdirectories and Files.** A listing of the files contained in each of the subdirectories is given below. All files are in ASCII format. The size of the file in bytes, in parentheses, follows the file name.

## AMLAMP1—Allan Hills Main Icefield

- ANSMET1.TXT (52726)—Explanatory text and meteorite listing.
- ANSMET1.DB (120K)—The raw database.
- SOUTH.HPGL (223K)—The plot file for the south section of the Main Icefield Map (1993 edition).
- NORTH.HPGL (505K)—The plot file for the north section of the Main Icefield Map (1993 edition).

## AMLAMP2—Allan Hills Near Western Icefield

- ANSMET2.TXT (17593)—Explanatory text and meteorite listing.
- ANSMET2.DB (36K)—The raw database.
- NEAR.HPGL (206K)—The plot file for the Near Western Icefield Map (1991 edition).

## AMLAMP3—Allan Hills Middle Western Icefield

- ANSMET3.TXT (9021)—Explanatory text and meteorite listing supplement.
- ANSMET3.DB (18K)—The raw database.
- MIDDLE.HPGL (156K)—The plot file for the Middle Western Icefield Map (1987 edition).

## AMLAMP4—Allan Hills Far Western Icefield

- ANSMET4.TXT (30453)—The explanatory text and meteorite listing.
- ANSMET4.DB (69K)—The raw database.
- EAST.HPGL (251K)—The plot file for the Far Western Icefield Map East section (1987 edition).
- WEST.HPGL (165K)—The plot file for the Far Western Icefield Map West section (1991 edition).

## AMLAMP6—Elephant Moraine–Elephant Moraine Icefield

- ANSMET6.TXT (24696)—The explanatory text and meteorite listing.
- ANSMET6.DB (54K)—The raw database.
- ELEPHANT.HPGL (329K)—The plot file for the Elephant Moraine Icefield Map (1991 edition).

## AMLAMP8—Elephant Moraine—Texas Bowl Icefield

- ANSMET8.TXT (101405)—The explanatory text and meteorite listing.
- ANSMET8.DB (234K)—The raw database.
- TEXAS.HPGL (951K)—The plot file for the Texas Bowl Icefield Map (1991 edition).

## AMLAMP10—Elephant Moraine—Northern Ice Patch

- ANSMET10.TXT—Explanatory text and meteorite listing.
- ANSMET10.DB—The raw database.
- NICE.HPGL—The HPGL plot file for the Northern Ice Patch meteorite location map (1993 preliminary edition; field numbers only for the 1992 collection).

## AMLAMP13—Reckling Peak—Reckling Moraine Icefield

- ANSMET13.TXT—Explanatory text and meteorite listing.
- ANSMET13.DB—The raw database.
- RECKLING.HPGL—The HPGL plot file for the Reckling Moraine Icefield (preliminary 1993 edition; field numbers only for the 1992 collection).

## AMLAMP15—Lewis Cliff Area

- ANSMET15.TXT (146105)—The explanatory text and meteorite listing.
- ANSMET15.DB (339K)—The raw database.
- AREA.HPGL (504K)—The plot file for the Lewis Cliff Area Map.
- NORTH.HPGL (881K)—The plot file for the Lewis Cliff Ice Tongue North Section Map (1991 edition).
- SOUTH.HPGL (602K)—The plot file for the Lewis Cliff Ice Tongue South Section Map (1991 edition).

## AMLAMP18—Queen Alexandra—Goodwin Nunataks Area

- ANSMET18.TXT (11199)—The explanatory text and meteorite listing.
- ANSMET18.DB (18K)—The raw database.
- QUEEN.HPGL (237K)—The plot file for the Queen Alexandra—Goodwin Nunataks Area Map (1992 edition).

## AMLAMP20—Pecora Escarpment

- ANSMET20.TXT (47949)—The Pecora Escarpment explanatory text and meteorite listing.
- ANSMET20.DB (103K)—The raw database.
- PECORA.HPGL (849K)—The plot file for the Pecora Escarpment Map (1993 edition).

## AMLAMP25—Patuxent Range—Main Icefield

- ANSMET25.TXT (2067)—The explanatory text and meteorite listing.
- ANSMET25.DB (5K)—The raw database.

## AMLAMP26—Patuxent Range—Brazitis Nunatak Icefield Subdirectory

- ANSMET26.TXT (2108)—The explanatory text and meteorite listing.
- ANSMET26.DB (7K)—The raw database.

## AMLAMP30—Wisconsin Range—Upper Reedy Glacier Area

- ANSMET30.TXT (5277)—The explanatory text and meteorite listing.
- ANSMET30.DB (9K)—The raw database.
- WISCONSIN.HPGL (246K)—The plot file for the Wisconsin Range—Upper Reedy Glacier Area Map (1992 edition).

## AMLAMP35—Thiel Mountains—Moulton Escarpment

- ANSMET35.TXT (5899)—The explanatory text and meteorite listing.
- ANSMET35.DB (8K)—The raw database.
- THIEL.HPGL (357K)—The plot file for the Moulton Escarpment Map (1992 edition).

## AMLAMP File Types

\*.TXT FILES—ASCII (text with line breaks) files have TXT extension.

\*.DB FILES—These files are the raw database, which are in ASCII format. These data can be easily ported to databases or spreadsheets because the files are space-delimited. The format of an AMLAMP database file is

<u>Column</u>	<u>Description</u>
1–20	Name
21	space
22–23	Icefield code
24	space
25–54	Classification
55	space
56–61	Antarctic Meteorite Newsletter reference (Vol. (No.))
62	space
63–72	Meteorite weight in grams
73	space
74–83	Reserved for future AMLAMP use
84	space
85–94†	Meteorite/station UTM grid northing (meters)
95	space
96–105†	Meteorite/station UTM grid easting (meters)
106	space
107–112	Grid cell address
113	space
114–125	Meteorite/station latitude (ddmmss.ssss)
126	space
127–139	Meteorite/station longitude (dddmmss.ssss)
140	space
141–152	Meteorite/station name latitude (ddmmss.ssss)

153	space
154-166	Meteorite/station name longitude (dddmmss.ssss)
167	space
168-179	Meteorite/station tie-point latitude (ddmmss.ssss)
180	space
181-193	Meteorite/station tie-point longitude (dddmmss.ssss)

†UTM grid coordinates currently are only available for the Allan Hills Icefields and Elephant Moraine Icefields.

\*.HPGL FILES—\*.HPGL files are plotter files and are in Hewlett-Packard Graphics Language (HPGL) format. HPGL is a widely used format developed for outputting vector graphics to plotters. If you have an E-size HP or HP-compatible plotter you can produce maps directly from these files.

A large number of commercial and shareware software programs are capable of importing and manipulating HPGL files. Other CAD and graphics programs that are available could be used if the HPGL files were converted into their native formats or formats they are capable of using. Most of these programs are PC-based. However, several of the commercial programs also have Macintosh equivalents. The following is a listing of some of these programs. This list is by no means complete and comprehensive, nor have most of these programs been tested with AMLAMP files. No recommendation or endorsement of any hardware or software product is implied

#### Desktop Publishing

- *PageMaker 5.0* (PC), Aldus Corp.
- *FrameMaker* (PC), Frame Technology
- *QuarkXPress* (PC), Quark Inc.

#### Word Processing

- *Word for Windows* (PC and Mac), Microsoft Corp. Can import HPGL files into a document. File size limitations at present. No pan and zoom.

#### Viewers/Conversion Programs

- *Outside In for Windows 2.0* (PC), Systems Compatibility Corp. Allows HPGL files to be viewed. Pan and zoom is available. No direct conversion, but screen capture to file is possible. File size limitations.

- *SHOWHPGL v1.9* (PC), Shareware. Views HPGL files on screen. No pan and zoom feature.
- *HiJack for Windows and DOS* (PC), Inset Systems. HPGL file conversion to a wide variety of graphics formats. Also allows viewing of files in Windows version.
- *PrintGL v. 1.18* (PC), Shareware. Plotter emulation software. Displays, prints HPGL files, and converts to .PCX and .IMG graphics file formats.
- *CADMover* (Mac). Converts HPGL to other formats used by a number of Mac-based drafting programs.
- *PowerDraw Translator* (Mac). Converts HPGL to other formats used by a number of Mac-based drafting programs.
- *Myriad 2.0* (PC), Information Graphics. Converts HPGL files to other graphics formats. Also has pan and zoom ability.
- *DoDOT 4.0* (PC), Halcyon Software. Converts HPGL files to other graphics formats. Also has pan and zoom ability.
- *FreezeFrame* (PC), DeltaPoint, Inc. Converts HPGL files to other graphics formats. Also has pan and zoom ability.
- *Panoramic* (PC), Cimmetry Systems, Inc. Converts HPGL files to other graphics formats. Also has pan and zoom ability.

#### Graphics/CAD

- *Freelance Graphics 2.0* (PC), Lotus Corp.
- *Hollywood 1.0V2* (PC), Claris Corp.
- *Persuasion 2.1 for Windows* (PC), Aldus Corp.
- *PowerPoint 3.0* (PC), Microsoft Corp.
- *Stanford Graphics 2.1* (PC), 3-D Visions Corp.
- *TurboCAD Pro for Windows* (PC), International Microcomputer Software, Inc. Imports HPGL files into the CAD environment.
- *Freehand* (PC ver. only), Aldus Corp. View and edit capabilities.
- *Intellidraw* (PC ver. only), Aldus Corp. View only.
- *Drafix CAD 2.1a* (PC), Foresight Resources Corp. Imports into CAD environment.

HP plotters, of course, are capable of plotting HPGL files. There are also a considerable number of laser and ink-jet printers that also emulate HPGL directly without converting to some other format.





# Appendix A

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