Table 4-1. User Documentation of Computer Files. MMS CARP Program.

Disk #1
Transect/Station Coordinates
and Photo/Video Data

File Name *	Description	Report Appendix
MMSCOORH.DAT	Hard substrate station coordinates - data	A
MMSCOORS.DAT	Soft substrate station coordinates - data	A
MMSPHOTO.DAT	Photo point contact - data	B
MMSPHOTO.FMT	Photo point contact - formats	
MMSVIDEO.DAT	Video observation - data	C
MMSVIDEO.FMT	Vide observation - formats	
MMSVIDHD.DAT	Video times and depths - data	C
MMSVIDHD.FMT	Video times and depths - formats	
MMSPHQC.DAT	Photo QA/QC - data	D
MMSPHQC.FMT	Photo QA/QC - formats	
MMSPHCTH.DAT	Hard substrate QA/QC photo counts - data	D
MMSPHCTH.FMT	Hard substrate QA/QC photo counts - formats	
MMSPHCTS.DAT	Additional soft substrate photo counts - data	D
MMSPHCTS.FMT	Additional soft substrate photo counts - formats	
MMSVIDQC.DAT	Video quality control - data	D
MMSVIDQC.FMT	Video quality control - formats	

Disk #2
Hard Substrate Rock, Benthic Infauna,
and Abiotic Parameters

MMSHARDB.DAT	Hard substrate rock - data	E
MMSHARDB.FMT	Hard substrate rock - formats	
MMSABHRD.DAT	Hard substrate abiotic parameters - data	F
MMSSOFTB.DAT	Soft substrate infauna counts - data	G
MMSSOFTB.FMT	Soft substrate infauna counts - formats	
MMSBMASS.DAT	Biomass soft substrate - data	H
MMSBMASS.FMT	Biomass soft substrate - formats	
MMSABIOT.DAT	Soft substrate abiotic - data	I
MMSABIOT.FMT	Soft substrate abiotic - formats	

*Format files (.FMT) describe the variable fields contained in each data file
A listing of these files is provided in Table 4-2.

Table 4-2. Computer Data files. MMS CARP Program.

FORMAT OF MMSCOORH.DAT FILE

COLUMNS   ·DESCRIPTION

  1-6   Transect number
 17-23   Depth range (m)
 37-47   North latitude
 58-70   West longitude

FORMAT OF MMSCOORS.DAT FILE

COLUMNS   DESCRIPTION

  1-12   Transect number
 17-17   Replicate
 30-33   Depth (m)
 42-52   North latitude
 64-75   West longitude

FORMAT OF MMSPHOTO.DAT FILE

COLUMNS   DESCRIPTION

1-1   Type of data (B=biological, P=physical)
3-39   Name of animal or physical parameter
40-43   Transect number
44-47   Time of photograph (hours,minutes)
49-49   Photograph number
55-104   Point contact (X) (50 points were examined), names without
              any X's were observed on photograph, but did not touch point.
106-117   Code for animal or physical parameter (codes which are all
              numeric are official NODC codes)

FORMAT OF MMSVIDEO.DAT FILE

COLUMNS   DESCRIPTION

1-1   Type of data (B=biological, P=physical)
3-39   Name of animal or physical parameter
40-43   Transect number
44-44   Replicate
55-84   Presence (X) in segment (30 segments were viewed)
86-97   Code for animal or physical parameter (codes which are all
              numeric are official NODC codes)

FORMAT OF MMSVIDHD.DAT FILE

COLUMNS	DESCRIPTION
1-4	Transect number
10-10	Replicate
15-16	Segment number (30 segments were viewed)
19-24	Time of segment (hours, minutes, seconds)
29-31	Depth (meters)

FORMAT OF MMSPHQC.DAT FILE

COLUMNS	DESCRIPTION
1-1	Type of data (B=biological, P=physical)
3-39	Name of animal or physical parameter
40-43	Transect number
44-47	Time of photograph (hours,minutes)
49-49	Photograph number
50-50	Replicate viewing of photograph
55-104	Point contact (X) (50 points were examined), names without any X's were observed on photograph, but did not touch point
106-117	Code for animal or physical parameter (codes which are all numeric are official NODC codes)

FORMAT OF MMSPHCTH.DAT FILE

COLUMNS	DESCRIPTION
1-1	Type of data (B=biological, P=physical)
3-39	Name of animal or physical parameter
40-43	Transect number
44-47	Time of photograph (hours,minutes)
49-49	Photograph number
52-55	Counts on the photograph
60-60	P=count is percent coverage
62-73	Code for animal or physical parameter (codes which are all numeric are official NODC codes)

FORMATS OF MMSPHCTS.DAT FILE

COLUMNS	DESCRIPTION
1-1	Type of data (B=biological, P=physical)
3-39	Name of animal or physical parameter
40-43	Transect number
44-47	Time of photograph (hours,minutes)
49-49	Photograph number
52-55	Counts on the photograph
60-60	P=presence when counts not made
62-73	Code for animal or physical parameter (codes which are all numeric are official NODC codes)

FORMAT OF MMSVIDQC.DAT FILE

COLUMNS	DESCRIPTION
1-1	Type of data (B=biological, P=physical)
3-39	Name of animal or physical parameter
40-43	Transect number
44-48	QA/QC designation
55-84	Presence (X) in segment (30 segments were viewed)
86-97	Code for animal or physical parameter (codes which are all numeric are official NODC codes)

FORMAT OF MMSHARDB.DAT FILE

COLUMNS	DESCRIPTION
1-4	Transect number (hard bottom stations have no transect numbers)
6-9	Station number
11-44	Species name
45-47	Count
49-49	Qualitative code (2=juvenile or damaged specimens, 3=colonial organism)
51-62	Code (codes which are all numeric are official NODC codes)

FORMAT OF MMSABHRD.DAT FILE

COLUMNS	DESCRIPTION
1-7	Transect number
20-27	Bottom depth (m)
48-57	Temperature (°C)
71-79	Dissolved oxygen (mg/l)
93-102	Salinity (PPT)
117-121	Current speed (cm/sec)

FORMAT OF MMSSOFTB.DAT FILE

COLUMNS   DESCRIPTION

  1-4   Transect number
  6-7   Station number
  9-9   Number of replicates
 11-11   Sample level (U=upper 10 cm, L=below 10 cm)
 13-20   Screen size (mm)
 22-54   Species name
 55-57   Replicate A count
 59-59   Replicate A qualitative code
 61-63   Replicate B count
 65-65   Replicate B qualitative code
 67-78   Code (codes which are all numeric are official NODC codes)

        Qualitative codes:
         2=Juvenile or damaged animals
         3=Colonial animals

     The single dots are place holders for replicate B;
     most stations had only one replicate.

FORMAT OF MMSBMASS.DAT FILE

COLUMNS   DESCRIPTION

  1-4   Transect number
  6-7   Station number
 11-11   Sample level (U=upper 10 cm, L=below 10 cm)
 13-20   Screen size (mm)
 22-37   Group
 39-46   Wetweight rep A (gm)
 48-55   Wetweight rep B (gm)

     The single dots are place holders for replicate B;
     most stations had only one replicate.

FORMAT OF MMSABIOT.DAT FILE

COLUMNS	DESCRIPTION
1-4	Transect number
6-7	Station number
11-11	Replicate
13-15	Depth (m)
17-21	Dissolved oxygen (ml/l)
23-27	Bottom temperature (degrees C)
29-31	Instrument used to measure bottom temperature
	STD=Seabird CTD
	RV =Reversing thermometer
33-37	Organic carbon (%)
39-43	Median phi size
45-49	Skewness
51-55	Kurtosis
57-61	% Sand
63-67	% Silt
69-73	% Clay

A single dot indicates missing data