







88009635

ENVIRONMENTAL DATA AVAILABLE

from the  
OIL SHALE OFFICE  
December 1982

- 1. Air Quality and Meteorology
- 2. Irradiation
- 3. Aquatics
- 4. Botany, and
- 5. Spatial Studies

In each monitoring activity table, the following information is available:

- 1. WGS File Name - This is the name of the computer file in which the data is stored.
- 2. and 3. Beginning and ending date covered by the data. In some cases, the measurements are not continuous throughout the interval. For example, a beginning date of June 1979 and an ending date of October 1979 gives an interval of 10/79 to the table and denote measurements taken monthly during this period.
- 4. Data Type - The data is described in the table.
- 5. Data File - This is the name of the computer file in which the data is stored.

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Explanation of Symbols - This information details the WGS computer file names and symbols to read the file. An example will show how to read the WGS file name and symbol. It is suggested to consult the manual and the following table to read the file. From Table 1 we see that monitoring

ENVIRONMENTAL DATA AVAILABLE

From the

OIL SHALE OFFICE

December 1983

OFFICE OF OIL SHALE  
DEPARTMENT OF ENERGY

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D-553A, Building 50  
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88009635

One of the responsibilities of the Oil Shale Office (OSO) is to store and manage environmental data collected on the Prototype Oil Shale Lease Tracts by the lessees. At present, OSO has obtained environmental data from tracts C-a and C-b (located in the Piceance Basin of Western Colorado) and will soon begin to obtain data from tracts Ua/Ub in Utah. The data from tracts C-a and C-b can be separated into two time periods: 1) Phase 1 was from 1974-1976 and is termed the baseline phase and 2) Phase 2 was from 1976 to present and is termed the development phase.

The objective of this report is to allow the potential user the ability to determine if environmental data of interest is available on the OSO computer system. Interested users should contact this office to arrange for retrieval and output of requested data.

Explanation of Table 1 -- This table outlines the monitoring activities and subactivities for which data has been or will be stored on the computer. Data such as occurrence of rare and endangered species, predator count, etc., are not stored on the computer, but are an integral part of the monitoring program and can be obtained from the lessees' hard copy annual reports.

Explanation of Tables 2 and 3 -- Tables 2 and 3 deal with the data available for tract C-a and C-b, respectively. These tables are subdivided into the five main monitoring activities:

1. Air Quality and Meteorology,
2. Terrestrial,
3. Aquatic,
4. Hydrology, and
5. Special Studies.

In each monitoring activity table, the following information is available:

1. OSO file name -- this is the name of the computer file in which the data is stored.
2. and 3. Beginning and ending date covered by the data. In some cases, the measurements are not continuous throughout the interval. For example, a beginning date of June 1979 and an ending date of October 1979 given as 06/79 and 10/79 in the table may denote measurements taken monthly during this period.
4. Data code -- The data codes in the tables correspond to the outline given in Table 1 and allow the user to determine which subactivity the data pertains to.
5. Data type -- Brief description of the general data content of the OSO file.

Explanation of Appendix -- This information details the OSO computer file format and variables in each OSO file. An example will best illustrate its use. Suppose a potential requestor is interested in Browse Condition and Utilization data on tract C-a in 1978. From Table 2 we see this information

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P. O. Box 80027  
Denver, CO 80282-0027

One of the responsibilities of the FBI Denver office (D-8002) is to ensure that the...  
At Denver, FBI has obtained environmental data from various...  
and the...  
begin to...  
D-8002 can be...  
is...  
cannot...

The objective of this report is to allow the...  
determine if...  
system...  
and output of...

Information of Table 1 - This table outlines the monitoring activities and...  
activities...  
not as...  
and...  
and can be obtained...

Information of Tables 2 and 3 - Tables 2 and 3 deal with the data available...  
for...  
the...

- 1. All... and...
- 2. Special...
- 3. ...
- 4. ...
- 5. ...

The...  
is...  
is...

and...  
the...  
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...

is available in OSO file bro78\_md. If we then search the information in the appendix, we find a table heading:

tract Ca  
monitoring activity: terrestrial  
bro78\_md format  
period covered: 5/78-5/78

The table under this heading specifies the variables and format associated with the bro78-md file.

Note to users -- This inventory is preliminary in nature and is constantly being updated and modified to reflect current status.

For further information contact:

Joan Czarnecki  
Oil Shale Office  
131 North 6th, Suite 300  
Grand Junction, CO 81501  
Telephone: (303) 245-6700  
FTS 322-0281

is available in 000 file page 01. If you then search the information in the appendix, we find a radio heading:

1948 Ca  
mountain activity: 1948-1958  
1948 ad format  
period covered: 1/18-2/78

The table under this heading specifies the variables and format associated with the 1948-58 file.

Note to users -- This inventory is preliminary in nature and is constantly being updated and modified to reflect current status.

For further information contact:

Jane Garnecki  
611 State Office  
131 North 6th, Suite 200  
Grand Junction, CO 81501  
Telephone: (303) 243-6700  
FIS 312-0281



Table 1  
Outline of Monitoring Activities with Data on the Computer

- I. AIR QUALITY and METEOROLOGY
  - A. Air Quality
  - B. Meteorology
  - C. High Volume Particulate
  - D. Precipitation
  - E. Radar
  
- II. TERRESTRIAL
  - A. Abiotic
    - 1. Soils
  - B. Biotic
    - 1. Vegetation
      - a. Phytosociological studies
      - b. Range productivity and utilization
      - c. Browse condition and utilization
    - 2. Fauna
      - a. Small mammal studies
      - b. Avifauna studies
      - c. Mule deer density
      - d. Mule deer road kill study
      - e. Bird
  
- III. AQUATIC
  - A. Abiotic
    - 1. Physical measurements
    - 2. Water quality measurements
  - B. Biotic
    - 1. Periphyton
    - 2. Benthos
  
- IV. HYDROLOGY
  - A. Surface Water Monitoring
    - 1. Surface flows and discharges
    - 2. Springs and seeps
    - 3. Impoundments/mine sumps/sediment and runoff control ponds
    - 4. Water quality
    - 5. Erosion and sedimentation
  - B. Ground Water Monitoring
    - 1. Bedrock wells
    - 2. Alluvial wells
    - 3. Hydrologic testing
    - 4. Water quality
  - C. Shaft
  
- V. SPECIAL STUDIES

Table 1  
Summary of Biological Statistics After Data on the Growth

Section	Parameter	Value
I. QUALITY AND QUANTITY	1. Yield	...
	2. Protein	...
	3. High Nitrogen Fraction	...
	4. Insolubility	...
	5. Water	...
II. PHYSIOLOGICAL	1. Nitrogen	...
	2. Water	...
	3. Protein	...
	4. High Nitrogen Fraction	...
	5. Insolubility	...
	6. Water	...
	7. Protein	...
	8. High Nitrogen Fraction	...
	9. Insolubility	...
	10. Water	...
III. WATER	1. Nitrogen	...
	2. Protein	...
	3. High Nitrogen Fraction	...
	4. Insolubility	...
	5. Water	...
IV. GROWTH	1. Protein	...
	2. High Nitrogen Fraction	...
	3. Insolubility	...
	4. Water	...
	5. Protein	...
V. SPECIAL STUDIES	1. Protein	...
	2. High Nitrogen Fraction	...
	3. Insolubility	...
	4. Water	...
	5. Protein	...



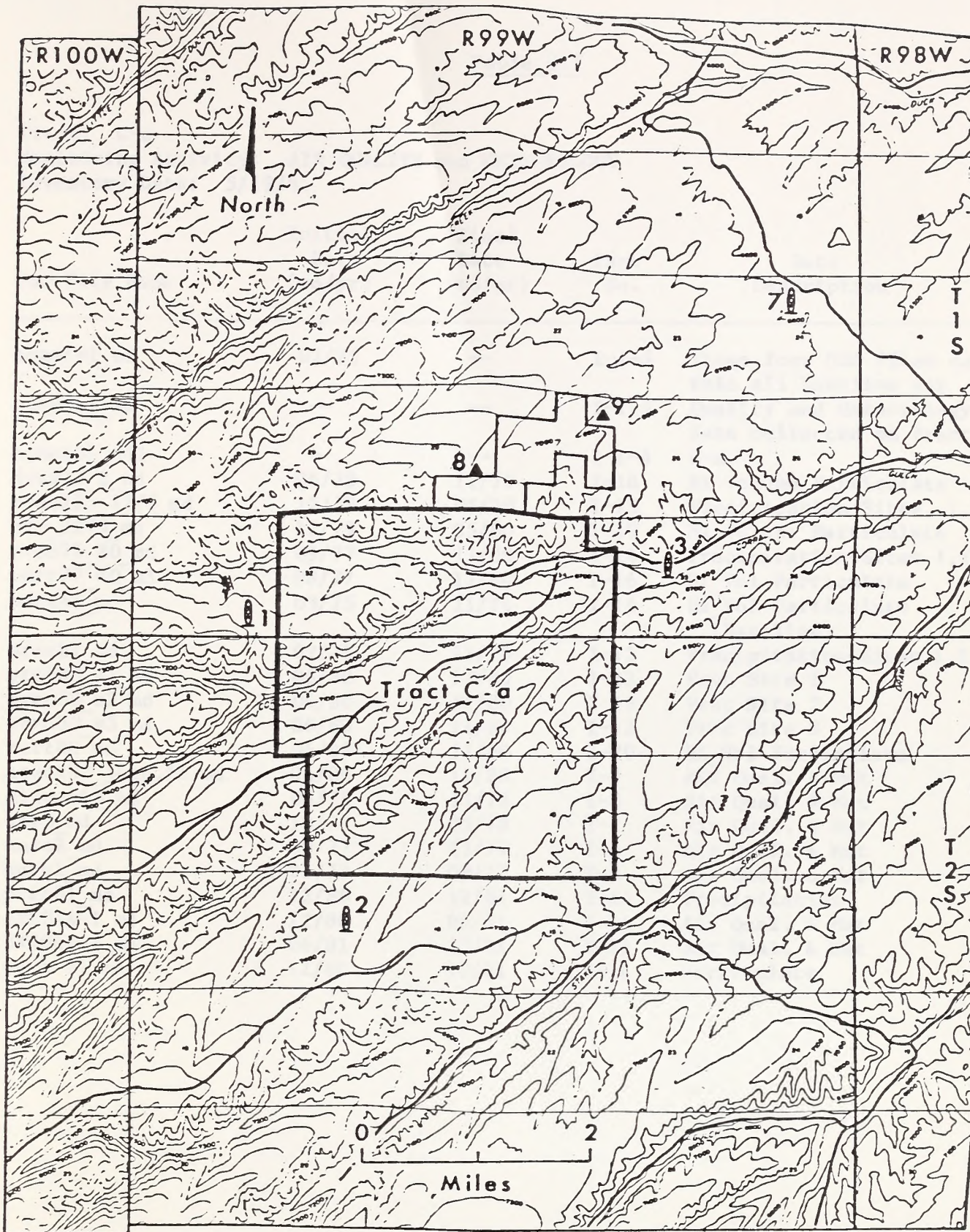
APPENDICES

1 Meteorological & Air Quality Monitoring Sites  
& Wetland Monitoring Sites

Figure 2.1  
Meteorological & Air Quality Monitoring Sites

APPENDICES

TRACT C-a



- ⊗ Meteorological & Air Quality Monitoring Sites
- ▲ Hi-Vol Monitoring Sites

Figure 2-1  
Meteorological & Air Quality Monitoring Sites



Figure 2-1  
 Meteorological & Air Quality Monitoring Sites  
 & Air Quality Monitoring Sites

Table 2.1

Tract: C-a  
 Monitoring Activity: AIR QUALITY and METEOROLOGY  
 Inventory Date: 5/19/81

OSO File Name	Initial Date (mo/yr)	Final Date (mo/yr)	Page No.	Data Description
aqmetbl_md	02/75	--	I-1-4	These four OSO files contain all baseline Air Quality and Meteorology data collected on Tract C-a
aqmetbl_md	--	--	I-1-4	
aqmetbl_md3	--	--	I-1-4	
dvo917_2_md	06/79	11/79	I-18	
prec123_1279_md	12/79	05/80	I-15	Precipitation-Sites, 1,2,3
hiv_1279_md	12/79	05/80	I-19	Hi-Volume Particulate
prec77_80_md	09/77	11/80	I-14	Precipitation-Sites 1,2,3
part77_80_md	08/77	11/80	I-16	Hi_Vol Particulate
partbl_md	03/75	11/76	I-16	Hi_Vol Particulate (Baseline)
precbl_md	02/75	11/76	I-12	Precipitation-Sites 1,2,3
prec80_s1_md	06/80	11/80	I-13	Prec Site 1
prec80_s2_md	06/80	11/80	I-13	Prec Site 2
prec80_s3_md	06/80	11/80	I-13	Prec Site 3
part80_md	06/80	11/80	I-20	Hi_Vol Particulate
aqmet80_juno.fl_md	06/80	11/80	I-9	Air Qual. & Met
airmet13_md	06/78	11/78	I-8	Air Qual. & Met
sar3_md	12/77	05/78	I-7	Air Qual. & Met
nuso2_md	09/77	11/77	I-6	Air Qual. & Met
nusol_md	2/01/77	08/77	I-5	Air Qual. & Met
prec81_md	12/80	12/81	I-14	Precipitation
JKC04A-1_md	12/80	05/81	I-11	Air Qual. & Met
JKC04B-1_md	06/81	12/81	I-11	Air Qual. & Met
part 81_md	12/80	12/81	I-16	Particulate

TABLE 1.1  
 Summary of the Air Quality and Meteorological Data Collected at the  
 Station during the Study Period (1970-1971)

Station Name	Date	Time (hr:min)	Temp (°C)	Humidity (%)	Wind Speed (m/s)	Wind Dir (°)	Pressure (hPa)	Clouds (%)	Visibility (km)	Remarks
Station 1	1-1-71	08:00	12.5	65	2.5	090	1013.5	10	10	Clear
	1-1-71	12:00	15.0	70	3.0	090	1013.0	15	10	Clear
Station 2	1-2-71	08:00	10.0	80	1.5	080	1012.5	20	5	Light Rain
	1-2-71	12:00	12.0	75	2.0	080	1012.0	15	5	Light Rain
Station 3	1-3-71	08:00	14.0	60	3.5	090	1013.0	10	10	Clear
	1-3-71	12:00	16.0	65	4.0	090	1012.5	10	10	Clear
Station 4	1-4-71	08:00	11.0	70	2.0	080	1012.0	15	5	Light Rain
	1-4-71	12:00	13.0	75	2.5	080	1011.5	15	5	Light Rain
Station 5	1-5-71	08:00	13.0	65	3.0	090	1013.0	10	10	Clear
	1-5-71	12:00	15.0	70	3.5	090	1012.5	10	10	Clear
Station 6	1-6-71	08:00	12.0	70	2.5	090	1013.0	10	10	Clear
	1-6-71	12:00	14.0	75	3.0	090	1012.5	10	10	Clear
Station 7	1-7-71	08:00	10.0	80	1.5	080	1012.5	20	5	Light Rain
	1-7-71	12:00	12.0	75	2.0	080	1012.0	15	5	Light Rain
Station 8	1-8-71	08:00	14.0	60	3.5	090	1013.0	10	10	Clear
	1-8-71	12:00	16.0	65	4.0	090	1012.5	10	10	Clear
Station 9	1-9-71	08:00	11.0	70	2.0	080	1012.0	15	5	Light Rain
	1-9-71	12:00	13.0	75	2.5	080	1011.5	15	5	Light Rain
Station 10	1-10-71	08:00	13.0	65	3.0	090	1013.0	10	10	Clear
	1-10-71	12:00	15.0	70	3.5	090	1012.5	10	10	Clear



Table 2.II

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Inventory Date: 5/19/81

OSO File Name	Initial Date (mo/yr)	Final Date (mo/yr)	Page No.	Data Description
soilchem_r380_md			II-21,22	Soil Chemistry
phy79	06/79	06/79	II-23	Phytosociological
phy80_md	06/80	06/80	II-24	Phytosociological
ranprd_md	09/78	09/78	II-17	Range Productivity
rprod_md	09/79	09/79	II-18	Range Productivity
rprod80_md	09/80	10/80	II-19	Range Productivity
bro78_md	05/78	05/78	II-13	Browse
bro79_md	05/79	05/79	II-13	Browse
bro_spr80_md	04/80	05/80	II-15	Browse
brow7677_new_md	12/76	05/77	II-12	Browse
brow80_md	04/80	05/80	II-14	Browse Utilization
mamm79_md	06/79	06/79	II-9	Small Mammals
smamm80_md	06/80	06/80	II-11	Small Mammals
avifa79_md	06/79	06/79	II-7	Avifauna
avi80_md	06/80	06/80	II-	Avifauna
smdpd78_md	05/78	05/78	II-2	Mule Deer Pellet Count
fmdpd78_md	09/78	09/78	II-1	Mule Deer Pellet Count
mul79_md	05/79	09/79	II-3	Mule Deer Pellet Count
mul_spr80_md	05/80	05/80	II-4	Mule Deer Pellet Count
fmule80_md	09/80	09/80	II-5	Mule Deer
sfmd81_md	Spring	Fall/81	II-6	Mule Deer Pellet Count
avifa81_md	03/81		II-8	Avifauna
sm81_md	06/81		II-10	Small Mammals
browse81_md	04/81	05/81	II-15	Browse
ranex_bro81_md	06/81	--	II-16	Browse
range81_md	8/26/81	9/10/81	II-20	Range Productivity
deerkill81_md	01/79	12/81	II-26	Deer Kill
ranexa_cov81_md	06/81	--	II-27	Range Cover
ranexa_bio81_md	06/81	--	II-27	Range Bio
ranexb_cov81_md	06/81	--	II-28	Range Cover
ranexb_bio81_md	06/81	--	II-28	Range Bio
ranexcd_cov81_md	06/81	--	II-29	Range Cover
ranexcd_bio81_md	06/81	--	II-29	Range Bio
veg80_81_md	80/81	--	II-30	Vegetation
phytoc81_md	06/81	--	II-25	

Inventory of the National Archives and Records Administration

Date	Page	Year	Volume	Serial
11-22	22	1947	100	1
11-21	21	1947	100	2
11-20	20	1947	100	3
11-19	19	1947	100	4
11-18	18	1947	100	5
11-17	17	1947	100	6
11-16	16	1947	100	7
11-15	15	1947	100	8
11-14	14	1947	100	9
11-13	13	1947	100	10
11-12	12	1947	100	11
11-11	11	1947	100	12
11-10	10	1947	100	13
11-9	9	1947	100	14
11-8	8	1947	100	15
11-7	7	1947	100	16
11-6	6	1947	100	17
11-5	5	1947	100	18
11-4	4	1947	100	19
11-3	3	1947	100	20
11-2	2	1947	100	21
11-1	1	1947	100	22
10-31		1946	100	23
10-30		1946	100	24
10-29		1946	100	25
10-28		1946	100	26
10-27		1946	100	27
10-26		1946	100	28
10-25		1946	100	29
10-24		1946	100	30
10-23		1946	100	31
10-22		1946	100	32
10-21		1946	100	33
10-20		1946	100	34
10-19		1946	100	35
10-18		1946	100	36
10-17		1946	100	37
10-16		1946	100	38
10-15		1946	100	39
10-14		1946	100	40
10-13		1946	100	41
10-12		1946	100	42
10-11		1946	100	43
10-10		1946	100	44
10-9		1946	100	45
10-8		1946	100	46
10-7		1946	100	47
10-6		1946	100	48
10-5		1946	100	49
10-4		1946	100	50
10-3		1946	100	51
10-2		1946	100	52
10-1		1946	100	53
9-30		1945	100	54

Table 2.III

Tract: C-a

Monitoring Activity: AQUATIC

Inventory Date: 5/19/81

OSO File Name	Initial Date (mo/yr)	Final Date (mo/yr)	Page No.	Data Description
gmdv_cd79_md	04/79	10/79	III-11	White River Chemical
gmdv_psl79				Periphyton Species List
gmdv_ppd79_md	04/79	10/79	III-10	Periphyton
gmdv_ppdb79_md	04/79	10/79	III-9	Periphjyton Biomass
peri_apr80_md	04/80	04/80	III-8	Periphyton
peri_may80_md	05/80	05/80	III-8	Periphyton
gmdv_bsl79				Benthos Species List
ben_apr80_md	04/80	04/80	III-6	Benthos
ben_may80_md	05/80	05/80	III-6	Benthos
gmdv_bd79_md	04/79	10/79	III-4	Benthos
aqu_benthos80_md	04/80	10/80	III-5	Benthos
aqu_peri80_md	04/80	10/80	III-3	Periphyton
aqu_chem80_md	04/80	08/80	III-2	AQU.Chem
aqu_phys80_md	04/80	10/80	III-1	AQU.Physical
aqu_peri_biomass.data80_md	04/80	10/80	III-7	Periphyton Biomass
alugwa81_md	03/75	/81	III-17	Water quality with outlier
aqchem81_md	04/81		III-12,13	Aqu.chem
aqphy81_md	04/81		III-14	Aqu.physical
peri81_md	04/81		III-15	Periphyton
benthos81_md	04/81		III-16	Benthos



Table 2.IV

Tract: C-a

Monitoring Activity: HYDROLOGY

Inventory Date: 5/19/81

OSO File Name	Initial Date (mo/yr)	Final Date (mo/yr)	Page No.	Data Description
stream_md	02/78	11/78	IV-10	Stream
seeps_md	10/77	09/78	IV-9	Seeps
usgsin_md	06/76	04/79	IV-8	Water Quality.instantaneous
usgscont_md	06/76	05/78	IV-7	Water Quality.continuous
erodel_md	06/78	11/78	IV-6	Erosion
erode28_md	12/78	05/79	IV-5	Erosion
levdep_md	04/77	11/78	IV-4	Deep Wells Water Levels
levalu_md	10/77	11/78	IV-1	Alluvial Wells Water Levels
pumpda_md	05/78	11/78	IV-2	Hydrologic Testing.Pumping
pump28_md	01/79	05/79	IV-3	Hydrologic Testing.Pumping

Table 2.14

TABLE 2.14  
 FISCAL YEAR 2000  
 COUNTY OF LOS ANGELES

Line Item	Fiscal Year	Amount	Percentage	Description
1000	2000	1000000	100%	General Fund
1001	2000	1000000	100%	General Fund
1002	2000	1000000	100%	General Fund
1003	2000	1000000	100%	General Fund
1004	2000	1000000	100%	General Fund
1005	2000	1000000	100%	General Fund
1006	2000	1000000	100%	General Fund
1007	2000	1000000	100%	General Fund
1008	2000	1000000	100%	General Fund
1009	2000	1000000	100%	General Fund
1010	2000	1000000	100%	General Fund
1011	2000	1000000	100%	General Fund
1012	2000	1000000	100%	General Fund
1013	2000	1000000	100%	General Fund
1014	2000	1000000	100%	General Fund
1015	2000	1000000	100%	General Fund
1016	2000	1000000	100%	General Fund
1017	2000	1000000	100%	General Fund
1018	2000	1000000	100%	General Fund
1019	2000	1000000	100%	General Fund
1020	2000	1000000	100%	General Fund

Table 2.V

Tract: C-a  
 Monitoring Activity: SPECIAL STUDIES  
 Inventory Date: 5/19/81

OSO File Name	Initial Date (mo/yr)	Final Date (mo/yr)	Page No.	Data Description
gcnu_rev767778_md	06/76	09/78	V-2	Revegetation
reveg79_md	08/79	08/79	V-3	Revegetation
reveg_r379_md	08/79	08/79	V-5	Revegetation
reveg_r180	08/80	08/80	V-4	Revegetation
reveg_r280	08/80	08/80	V-4	Revegetation
reclam81_md	08/81		V-7	Reclamation
reveg_r81_md	07/81		V-1	Revegetation
reveg_r380	08/80		V-4	Revegetation
shrub3_81_md	10/81		V-6	Shrubs





Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

aqmetbl\_md, aqmetbl\_md2, aqmetbl\_md3 formats

Period Covered: 02/01/75 - 01/31/76

Parameter	Length	Format	Units
Record 1			
space	1	lx	na
mo	2	i2	-
da	2	i2	-
yr	2	i2	-
space	1	lx	na
hr	2	i2	-
space	1	lx	na
latitude	8	f8.4	degrees
space	1	lx	na
longitude	8	f8.4	degrees
space	1	lx	na
wssl10 (wind speed)	6	f6.2	mph
space	1	lx	na
wds (wind direction)	6	f6.2	degrees
space	1	lx	na
atsl10 (air temperature)	6	f6.2	degrees.celsius
space	1	lx	na
rhl10 (relative humidity)	6	f6.2	percent
space	1	lx	na
wssl30	6	f6.2	mph
space	1	lx	na
wdsl30	6	f6.2	degrees
space	1	lx	na
ats	6	f6.2	degrees.celsius
space	1	lx	na
wssl60	6	f6.2	mph
space	1	lx	na
wds	6	f6.2	degrees
space	1	lx	na
dtsl60 (delta temp.)	6	f6.2	na
space	1	lx	na
prcs102 (precipitation)	6	f6.2	inches.of.water
space	1	lx	na
sis102 (solar insolation)	6	f6.2	langleys
space	1	lx	na
S02s103	6	f6.3	ppm
space	1	lx	na
H2S103	6	f6.3	ppm
space	1	lx	na
THCs103 (Total Hydrocbns)	6	f6.3	ppm
space	1	lx	na

Continued on next page

Station: 10177 and 10178  
Date: 10/1/77  
Time: 10:00 AM

Date	Time	Temp	Humidity	Wind	Pressure	Remarks
10/1/77	10:00	65	45	10	30.1	Clear
10/1/77	10:15	65	45	10	30.1	Clear
10/1/77	10:30	65	45	10	30.1	Clear
10/1/77	10:45	65	45	10	30.1	Clear
10/1/77	11:00	65	45	10	30.1	Clear
10/1/77	11:15	65	45	10	30.1	Clear
10/1/77	11:30	65	45	10	30.1	Clear
10/1/77	11:45	65	45	10	30.1	Clear
10/1/77	12:00	65	45	10	30.1	Clear
10/1/77	12:15	65	45	10	30.1	Clear
10/1/77	12:30	65	45	10	30.1	Clear
10/1/77	12:45	65	45	10	30.1	Clear
10/1/77	13:00	65	45	10	30.1	Clear
10/1/77	13:15	65	45	10	30.1	Clear
10/1/77	13:30	65	45	10	30.1	Clear
10/1/77	13:45	65	45	10	30.1	Clear
10/1/77	14:00	65	45	10	30.1	Clear
10/1/77	14:15	65	45	10	30.1	Clear
10/1/77	14:30	65	45	10	30.1	Clear
10/1/77	14:45	65	45	10	30.1	Clear
10/1/77	15:00	65	45	10	30.1	Clear
10/1/77	15:15	65	45	10	30.1	Clear
10/1/77	15:30	65	45	10	30.1	Clear
10/1/77	15:45	65	45	10	30.1	Clear
10/1/77	16:00	65	45	10	30.1	Clear
10/1/77	16:15	65	45	10	30.1	Clear
10/1/77	16:30	65	45	10	30.1	Clear
10/1/77	16:45	65	45	10	30.1	Clear
10/1/77	17:00	65	45	10	30.1	Clear
10/1/77	17:15	65	45	10	30.1	Clear
10/1/77	17:30	65	45	10	30.1	Clear
10/1/77	17:45	65	45	10	30.1	Clear
10/1/77	18:00	65	45	10	30.1	Clear
10/1/77	18:15	65	45	10	30.1	Clear
10/1/77	18:30	65	45	10	30.1	Clear
10/1/77	18:45	65	45	10	30.1	Clear
10/1/77	19:00	65	45	10	30.1	Clear
10/1/77	19:15	65	45	10	30.1	Clear
10/1/77	19:30	65	45	10	30.1	Clear
10/1/77	19:45	65	45	10	30.1	Clear
10/1/77	20:00	65	45	10	30.1	Clear
10/1/77	20:15	65	45	10	30.1	Clear
10/1/77	20:30	65	45	10	30.1	Clear
10/1/77	20:45	65	45	10	30.1	Clear
10/1/77	21:00	65	45	10	30.1	Clear
10/1/77	21:15	65	45	10	30.1	Clear
10/1/77	21:30	65	45	10	30.1	Clear
10/1/77	21:45	65	45	10	30.1	Clear
10/1/77	22:00	65	45	10	30.1	Clear
10/1/77	22:15	65	45	10	30.1	Clear
10/1/77	22:30	65	45	10	30.1	Clear
10/1/77	22:45	65	45	10	30.1	Clear
10/1/77	23:00	65	45	10	30.1	Clear
10/1/77	23:15	65	45	10	30.1	Clear
10/1/77	23:30	65	45	10	30.1	Clear
10/1/77	23:45	65	45	10	30.1	Clear
10/1/77	00:00	65	45	10	30.1	Clear

Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

aqmetbl\_md, aqmetbl\_md2, aqmetbl\_md3 formats (continued from previous page)

Period Covered: 02/01/75 - 01/31/76

Parameter	Length	Format	Units
CH4s103	6	f6.3	ppm
space	1	lx	na
NOxs103	6	f6.3	ppm
space	1	lx	na
NOs103	6	f6.3	ppm
space	1	lx	na
COs103	6	f6.3	ppm
space	1	lx	na
03s103	6	f6.3	ppm

- 110 - site 1 - 10 meters
- 130 - site 1 - 30 meters
- 160 - site 1 - 60 meters
- 102 - site 1 - 2 meters
- 103 - site 1 - 3 meters

Boilerplate text at the top of the page, possibly a header or title, which is mostly illegible due to the image quality.

Item	Quantity	Unit	Description
1	1	EA	...
2	1	EA	...
3	1	EA	...
4	1	EA	...
5	1	EA	...
6	1	EA	...
7	1	EA	...
8	1	EA	...
9	1	EA	...
10	1	EA	...

110 - Item 1 - 10 meters  
 111 - Item 1 - 30 meters  
 112 - Item 1 - 50 meters  
 113 - Item 1 - 70 meters  
 114 - Item 1 - 90 meters

Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

aqmetbl\_md, aqmetbl\_md2, aqmetbl\_md3 formats

Period Covered: 02/01/75 - 01/31/76

Parameter	Length	Format	Units
Record 2			
space	1	lx	na
mo	2	i2	-
da	2	i2	-
yr	2	i2	-
space	1	lx	na
hr	2	i2	-
space	1	lx	na
latitude	8	f8.4	degrees
space	1	lx	na
longitude	8	f8.4	na
space	1	lx	na
wss210	6	f6.2	mph
space	1	lx	na
wds	6	f6.2	degrees
space	1	lx	na
ats210	6	f6.2	degrees.celsius
space	1	lx	na
prcs203	6	f6.2	inches.of.water
space	1	lx	na
S02s203	6	f6.3	ppm
space	1	lx	na
H2Ss203	6	f6.3	ppm
space	1	lx	na
THCs203	6	f6.3	ppm
space	1	lx	na
CH4s203	6	f6.3	ppm

210 - site 2 - 10 meters

203 - site 2 - 3 meters

THE UNIVERSITY OF TEXAS AT AUSTIN  
 DEPARTMENT OF GEOLOGY  
 LABORATORY OF MINERALOGY AND PETROLOGY  
 3000 UNIVERSITY DRIVE, AUSTIN, TEXAS 78712

Sample No.	Weight (g)	Volume (cc)	Specific Gravity	Notes
100	1.00	0.50	2.00	
101	1.00	0.50	2.00	
102	1.00	0.50	2.00	
103	1.00	0.50	2.00	
104	1.00	0.50	2.00	
105	1.00	0.50	2.00	
106	1.00	0.50	2.00	
107	1.00	0.50	2.00	
108	1.00	0.50	2.00	
109	1.00	0.50	2.00	
110	1.00	0.50	2.00	
111	1.00	0.50	2.00	
112	1.00	0.50	2.00	
113	1.00	0.50	2.00	
114	1.00	0.50	2.00	
115	1.00	0.50	2.00	
116	1.00	0.50	2.00	
117	1.00	0.50	2.00	
118	1.00	0.50	2.00	
119	1.00	0.50	2.00	
120	1.00	0.50	2.00	

110 - 100 - 100 - 100  
 111 - 100 - 100 - 100

Ca-md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

aqmetbl\_md, aqmetbl\_md2, aqmetbl\_md3 formats

Period Covered: 02/01/75 - 01/31/76

Parameter	Length	Format	Units
Record 3			
space	1	lx	na
mo	2	i2	-
da	2	i2	-
yr	2	i2	-
space	1	lx	na
hr	2	i2	-
space	1	lx	na
latitude	8	f8.4	degrees
space	1	lx	na
longitude	8	f8.4	degrees
space	1	lx	na
wss310	6	f6.2	mph
space	1	lx	na
wds310	6	f6.2	degrees
space	1	lx	na
ats310	6	f6.2	degrees.celsius
space	1	lx	na
prcs302	6	f6.2	inches.of.water
space	1	lx	na
S02s303	6	f6.3	ppm
space	1	lx	na
H2Ss303	6	f6.3	ppm
space	1	lx	na
THCs303	6	f6.3	ppm
space	1	lx	na
CH4s303	6	f6.3	ppm
space	1	lx	na
N0xs303	6	f6.3	ppm
space	1	lx	na
N0s303	6	f6.3	ppm
space	1	lx	na
C0s303	6	f6.3	ppm
space	1	lx	na
O3s303	6	f6.3	ppm

310 - site 3 - 10 meters

302 - site 3 - 2 meters

303 - site 3 - 3 meters

STATE OF CALIFORNIA  
DEPARTMENT OF REVENUE  
SALES TAX REPORT - 07/2012

Period	Amount	Rate	Description
07/01/12	100.00	1.00%	SALES TAX
07/02/12	100.00	1.00%	SALES TAX
07/03/12	100.00	1.00%	SALES TAX
07/04/12	100.00	1.00%	SALES TAX
07/05/12	100.00	1.00%	SALES TAX
07/06/12	100.00	1.00%	SALES TAX
07/07/12	100.00	1.00%	SALES TAX
07/08/12	100.00	1.00%	SALES TAX
07/09/12	100.00	1.00%	SALES TAX
07/10/12	100.00	1.00%	SALES TAX
07/11/12	100.00	1.00%	SALES TAX
07/12/12	100.00	1.00%	SALES TAX
07/13/12	100.00	1.00%	SALES TAX
07/14/12	100.00	1.00%	SALES TAX
07/15/12	100.00	1.00%	SALES TAX
07/16/12	100.00	1.00%	SALES TAX
07/17/12	100.00	1.00%	SALES TAX
07/18/12	100.00	1.00%	SALES TAX
07/19/12	100.00	1.00%	SALES TAX
07/20/12	100.00	1.00%	SALES TAX
07/21/12	100.00	1.00%	SALES TAX
07/22/12	100.00	1.00%	SALES TAX
07/23/12	100.00	1.00%	SALES TAX
07/24/12	100.00	1.00%	SALES TAX
07/25/12	100.00	1.00%	SALES TAX
07/26/12	100.00	1.00%	SALES TAX
07/27/12	100.00	1.00%	SALES TAX
07/28/12	100.00	1.00%	SALES TAX
07/29/12	100.00	1.00%	SALES TAX
07/30/12	100.00	1.00%	SALES TAX
07/31/12	100.00	1.00%	SALES TAX

07/01/12 - 07/31/12  
07/02/12 - 07/31/12  
07/03/12 - 07/31/12



Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

aqmetbl\_md, aqmetbl\_md2, aqmetbl\_md3 formats

Period Covered: 02/01/75 - 01/31/76

Parameter	Length	Format	Units
Record 4			
space	1	1x	na
mo	2	i2	-
da	2	i2	-
yr	2	i2	-
space	1	1x	na
hr	2	i2	-
space	1	1x	na
latitude	8	f8.4	degrees
space	1	1x	na
longitude	8	f8.4	degrees
space	1	1x	na
wss410	6	f6.2	mph
space	1	1x	na
wds410	6	f6.2	degrees
space	1	1x	na
ats410	6	f6.2	degrees.celsius
space	1	1x	na
prcs402	6	f6.2	inches.of.water
space	1	1x	-
S02s403	6	f6.3	ppm
space	1	1x	-
H2Ss403	6	f6.3	ppm
space	1	1x	-
THCs403	6	f6.3	ppm
space	1	1x	-
CH4s403	6	f6.3	ppm

410 - site 4 - 10 meters

402 - site 4 - 2 meters

403 - site 4 - 3 meters

THESE DOCUMENTS SONT DISPONIBLES EN VERSION  
FRANCAISE ET ANGLAISE. POUR PLUS D'INFORMATIONS,  
CONTACTEZ LE SERVICE CLIENT AU 1-800-367-8272.

Document	Version	Date	Statut
Document 1	1.0	2023-01-01	Actif
Document 2	2.0	2023-02-15	Actif
Document 3	1.0	2023-03-01	Actif
Document 4	1.0	2023-03-15	Actif
Document 5	1.0	2023-04-01	Actif
Document 6	1.0	2023-04-15	Actif
Document 7	1.0	2023-05-01	Actif
Document 8	1.0	2023-05-15	Actif
Document 9	1.0	2023-06-01	Actif
Document 10	1.0	2023-06-15	Actif
Document 11	1.0	2023-07-01	Actif
Document 12	1.0	2023-07-15	Actif
Document 13	1.0	2023-08-01	Actif
Document 14	1.0	2023-08-15	Actif
Document 15	1.0	2023-09-01	Actif
Document 16	1.0	2023-09-15	Actif
Document 17	1.0	2023-10-01	Actif
Document 18	1.0	2023-10-15	Actif
Document 19	1.0	2023-11-01	Actif
Document 20	1.0	2023-11-15	Actif
Document 21	1.0	2023-12-01	Actif
Document 22	1.0	2023-12-15	Actif
Document 23	1.0	2024-01-01	Actif
Document 24	1.0	2024-01-15	Actif
Document 25	1.0	2024-02-01	Actif
Document 26	1.0	2024-02-15	Actif
Document 27	1.0	2024-03-01	Actif
Document 28	1.0	2024-03-15	Actif
Document 29	1.0	2024-04-01	Actif
Document 30	1.0	2024-04-15	Actif
Document 31	1.0	2024-05-01	Actif
Document 32	1.0	2024-05-15	Actif
Document 33	1.0	2024-06-01	Actif
Document 34	1.0	2024-06-15	Actif
Document 35	1.0	2024-07-01	Actif
Document 36	1.0	2024-07-15	Actif
Document 37	1.0	2024-08-01	Actif
Document 38	1.0	2024-08-15	Actif
Document 39	1.0	2024-09-01	Actif
Document 40	1.0	2024-09-15	Actif
Document 41	1.0	2024-10-01	Actif
Document 42	1.0	2024-10-15	Actif
Document 43	1.0	2024-11-01	Actif
Document 44	1.0	2024-11-15	Actif
Document 45	1.0	2024-12-01	Actif
Document 46	1.0	2024-12-15	Actif
Document 47	1.0	2025-01-01	Actif
Document 48	1.0	2025-01-15	Actif
Document 49	1.0	2025-02-01	Actif
Document 50	1.0	2025-02-15	Actif

Document 1 - 1 page - 1000  
Document 2 - 2 pages - 2000  
Document 3 - 3 pages - 3000

Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

Format: nusol\_md

Period Covered: 02/01/77 - 08/31/77

Parameter	Length	Format	Units
date	6	3a2	mmddy
space	1	1x	na
hour	2	i2	hh
sulfur.dioxide	8	f8.2	ppm
total.hydro-carbons	8	f8.2	ppm
nitric.oxide	8	f8.3	ppm
carbon.monoxide	8	f8.1	ppm
hydrogen.sulfide	8	f8.2	ppm
methane	8	f8.2	ppm
nitrogen.oxides	8	f8.3	ppm
ozone.tower.1	8	f8.3	ppm
10.meter.wind.speed	7	f7.1	mph
10.meter.wind.direction	5	15	degrees
30.meter.wind.speed	7	f7.1	mph
30.meter.wind.direction	5	15	degrees
60.meter.wind.speed	7	f7.1	mph
60.meter.wind.direction	5	15	degrees
10.meter.temperature	7	f7.1	centigrade
30.meter.temperature	7	f7.2	centigrade
60.meter.temperature	7	f7.1	centigrade
relative.humidity	6	16	percent
delta.t(60-10)	7	f7.1	centigrade
precipitation	7	f7.2	inches
solar.radiation	7	f7.2	langleys/minute

\* Missing data is coded as 999's.

Site 1.

Table 1

Investment strategies for 2017-2018  
 Period covered: 2017-2018

Investment	Length	Times	Cost
1. Fixed	1	1	100
2. Variable	1	1	100
3. Fixed	1	1	100
4. Variable	1	1	100
5. Fixed	1	1	100
6. Variable	1	1	100
7. Fixed	1	1	100
8. Variable	1	1	100
9. Fixed	1	1	100
10. Variable	1	1	100
11. Fixed	1	1	100
12. Variable	1	1	100
13. Fixed	1	1	100
14. Variable	1	1	100
15. Fixed	1	1	100
16. Variable	1	1	100
17. Fixed	1	1	100
18. Variable	1	1	100
19. Fixed	1	1	100
20. Variable	1	1	100
21. Fixed	1	1	100
22. Variable	1	1	100
23. Fixed	1	1	100
24. Variable	1	1	100
25. Fixed	1	1	100
26. Variable	1	1	100
27. Fixed	1	1	100
28. Variable	1	1	100
29. Fixed	1	1	100
30. Variable	1	1	100
31. Fixed	1	1	100
32. Variable	1	1	100
33. Fixed	1	1	100
34. Variable	1	1	100
35. Fixed	1	1	100
36. Variable	1	1	100
37. Fixed	1	1	100
38. Variable	1	1	100
39. Fixed	1	1	100
40. Variable	1	1	100
41. Fixed	1	1	100
42. Variable	1	1	100
43. Fixed	1	1	100
44. Variable	1	1	100
45. Fixed	1	1	100
46. Variable	1	1	100
47. Fixed	1	1	100
48. Variable	1	1	100
49. Fixed	1	1	100
50. Variable	1	1	100

Investment strategies for 2017-2018  
 Period covered: 2017-2018

Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AIR QUALITY and METEOROLOGY  
 Format: nuso2 md  
 Period Covered: 9/01/77 - 11/30/77

Parameter	Length	Format	Units
date	6	3a2	mmddyy
space	1	lx	na
hour	2	a2	hh
sulfur.dioxide	8	f8.2	ppm
total.hydro.carbons	8	f8.2	ppm
nitric.oxide	8	f8.3	ppm
carbon.monoxide	8	f8.1	ppm
hydrogen.sulfide	8	f8.2	ppm
methane	8	f8.2	ppm
nitrogen.oxides	8	f8.3	ppm
ozone.tower.1	8	f8.3	ppm
ozone.tower.3	8	f8.3	ppm
10.meter.wind.speed	8	f7.1	mph
10.meter.wind.direction	5	i5	degrees
30.meter.wind.speed	7	f7.1	mph
30.meter.wind.direction	5	i5	degrees
69.meter.wind.speed	7	f7.1	mph
60.meter.wind.direction	5	i5	degrees
10.meter.temperature	8	f7.1	centigrade
30.meter.temperature	8	f7.1	centigrade
60.meter.temperature	8	f7.1	centigrade
relative.humidity	7	i6	percent
delta.t	7	f7.1	centigrade
precipitation	7	f7.2	inches
solar.radiation	7	f7.2	langleys/minute
wind.speed.site.2	7	f7.1	mph
wind.direction.site.1	5	i6	degrees
wind.speed.site.3	7	f7.1	mph
wind.direction.site.3	5	i6	degrees
temperature.tower.2(10.meter)	7	f7.1	centigrade
temperature.tower.3(10.meter)	7	f7.1	centigrade

\* Data are taken at two locations at the site. Site 1.  
 Missing data is coded as 999's

TABLE 1  
 SUMMARY OF THE DATA FOR THE 1000 MOST COMMON SPECIES  
 (SPECIES WITH 1000 OR MORE INDIVIDUALS)

Species	Number of Individuals	Number of Sites
1. <i>Spizella monticola</i>	1000	1
2. <i>Spizella monticola</i>	1000	1
3. <i>Spizella monticola</i>	1000	1
4. <i>Spizella monticola</i>	1000	1
5. <i>Spizella monticola</i>	1000	1
6. <i>Spizella monticola</i>	1000	1
7. <i>Spizella monticola</i>	1000	1
8. <i>Spizella monticola</i>	1000	1
9. <i>Spizella monticola</i>	1000	1
10. <i>Spizella monticola</i>	1000	1
11. <i>Spizella monticola</i>	1000	1
12. <i>Spizella monticola</i>	1000	1
13. <i>Spizella monticola</i>	1000	1
14. <i>Spizella monticola</i>	1000	1
15. <i>Spizella monticola</i>	1000	1
16. <i>Spizella monticola</i>	1000	1
17. <i>Spizella monticola</i>	1000	1
18. <i>Spizella monticola</i>	1000	1
19. <i>Spizella monticola</i>	1000	1
20. <i>Spizella monticola</i>	1000	1
21. <i>Spizella monticola</i>	1000	1
22. <i>Spizella monticola</i>	1000	1
23. <i>Spizella monticola</i>	1000	1
24. <i>Spizella monticola</i>	1000	1
25. <i>Spizella monticola</i>	1000	1
26. <i>Spizella monticola</i>	1000	1
27. <i>Spizella monticola</i>	1000	1
28. <i>Spizella monticola</i>	1000	1
29. <i>Spizella monticola</i>	1000	1
30. <i>Spizella monticola</i>	1000	1
31. <i>Spizella monticola</i>	1000	1
32. <i>Spizella monticola</i>	1000	1
33. <i>Spizella monticola</i>	1000	1
34. <i>Spizella monticola</i>	1000	1
35. <i>Spizella monticola</i>	1000	1
36. <i>Spizella monticola</i>	1000	1
37. <i>Spizella monticola</i>	1000	1
38. <i>Spizella monticola</i>	1000	1
39. <i>Spizella monticola</i>	1000	1
40. <i>Spizella monticola</i>	1000	1
41. <i>Spizella monticola</i>	1000	1
42. <i>Spizella monticola</i>	1000	1
43. <i>Spizella monticola</i>	1000	1
44. <i>Spizella monticola</i>	1000	1
45. <i>Spizella monticola</i>	1000	1
46. <i>Spizella monticola</i>	1000	1
47. <i>Spizella monticola</i>	1000	1
48. <i>Spizella monticola</i>	1000	1
49. <i>Spizella monticola</i>	1000	1
50. <i>Spizella monticola</i>	1000	1
51. <i>Spizella monticola</i>	1000	1
52. <i>Spizella monticola</i>	1000	1
53. <i>Spizella monticola</i>	1000	1
54. <i>Spizella monticola</i>	1000	1
55. <i>Spizella monticola</i>	1000	1
56. <i>Spizella monticola</i>	1000	1
57. <i>Spizella monticola</i>	1000	1
58. <i>Spizella monticola</i>	1000	1
59. <i>Spizella monticola</i>	1000	1
60. <i>Spizella monticola</i>	1000	1
61. <i>Spizella monticola</i>	1000	1
62. <i>Spizella monticola</i>	1000	1
63. <i>Spizella monticola</i>	1000	1
64. <i>Spizella monticola</i>	1000	1
65. <i>Spizella monticola</i>	1000	1
66. <i>Spizella monticola</i>	1000	1
67. <i>Spizella monticola</i>	1000	1
68. <i>Spizella monticola</i>	1000	1
69. <i>Spizella monticola</i>	1000	1
70. <i>Spizella monticola</i>	1000	1
71. <i>Spizella monticola</i>	1000	1
72. <i>Spizella monticola</i>	1000	1
73. <i>Spizella monticola</i>	1000	1
74. <i>Spizella monticola</i>	1000	1
75. <i>Spizella monticola</i>	1000	1
76. <i>Spizella monticola</i>	1000	1
77. <i>Spizella monticola</i>	1000	1
78. <i>Spizella monticola</i>	1000	1
79. <i>Spizella monticola</i>	1000	1
80. <i>Spizella monticola</i>	1000	1
81. <i>Spizella monticola</i>	1000	1
82. <i>Spizella monticola</i>	1000	1
83. <i>Spizella monticola</i>	1000	1
84. <i>Spizella monticola</i>	1000	1
85. <i>Spizella monticola</i>	1000	1
86. <i>Spizella monticola</i>	1000	1
87. <i>Spizella monticola</i>	1000	1
88. <i>Spizella monticola</i>	1000	1
89. <i>Spizella monticola</i>	1000	1
90. <i>Spizella monticola</i>	1000	1
91. <i>Spizella monticola</i>	1000	1
92. <i>Spizella monticola</i>	1000	1
93. <i>Spizella monticola</i>	1000	1
94. <i>Spizella monticola</i>	1000	1
95. <i>Spizella monticola</i>	1000	1
96. <i>Spizella monticola</i>	1000	1
97. <i>Spizella monticola</i>	1000	1
98. <i>Spizella monticola</i>	1000	1
99. <i>Spizella monticola</i>	1000	1
100. <i>Spizella monticola</i>	1000	1

\* All sites included in the analysis of the birds. Site 2  
 (1990) was excluded as it was a new site.

Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

sar3\_md format

Period Covered: 12/1/77 - 05/31/78

Parameter	Length	Format	Units
date	6	3a2	mmddy
space	1	lx	na
hour	2	a2	hh
sulfur.dioxide.site.1	7	f7.2	ppm
total.hydro.carbons.site.1	7	f7.2	ppm
nitrogen.oxides.site.1	7	f7.3	ppm
carbon.monoxide.site.1	7	f7.1	ppm
hydrogen.sulfide.site.1	7	f7.2	ppm
methane.site.1	7	f7.2	ppm
nitric.oxide.site.1	7	f7.3	ppm
ozone.site.1	7	f7.3	ppm
sulfur.dioxide.site.3	7	f7.2	ppm
hydrogen.sulfide.site.3	7	f7.2	ppm
ozone.site.3	7	f7.3	ppm
10.meter.wind.speed.tower.1	6	f6.1	mph
10.meter.wind.direction.tower.1	4	14	degrees
60.meter.wind.speed.tower.1	6	f6.1	mph
60.meter.wind.direction.tower.1	4	14	degrees
10.meter.temperature.tower.1	6	f6.1	centigrade
60.meter.temperature.tower.1	6	f6.1	centigrade
delta.t(60-10).tower.1	6	f6.1	centigrade
relative.humidity	4	14	percent
precipitation	6	f6.2	inches
solar.radiation	6	f6.2	langleys/minute
10.meter.wind.speed.tower.2	6	f6.1	mph
10.meter.wind.direction.tower.2	4	14	degrees
ambient.temperature.tower.2	6	f6.1	centigrade
precipitation.tower.2	6	f6.2	inches
10.meter.wind.speed.tower.3	6	f6.1	mph
10.meter.wind.direction.tower.3	4	14	degrees
ambient.temperature.tower.3	6	f6.1	centigrade
precipitation.tower.3	6	f6.2	inches

\* 99.9 or field length less one for no value given or recorded.





## Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

airmet13\_md format

Period Covered: 6/01/78 - 11/30/78

Parameter	Length	Format	Units
date	6	3a2	mmddy
space	1	1x	na
hour	2	a2	hh
sulfur.dioxide.site.1	7	f7.2	ppm
nitrogen.oxides.site.1	7	f7.3	ppm
carbon.monoxide.site.1	7	f7.1	ppm
hydrogen.sulfide.site.1	7	f7.3	ppm
nitric.oxide.site.1	7	f7.3	ppm
ozone.site.1	7	f7.3	ppm
sulfur.dioxide.site.3	7	f7.2	ppm
hydrogen.sulfide.site.3	7	f7.2	ppm
ozone.site.3	7	f7.3	ppm
10.meter.wind.speed.tower.1	6	f6.1	mph
10.meter.wind.direction.tower.1	4	14	degrees
60.meter.wind.speed.tower.1	6	f6.1	mph
60.meter.wind.direction.tower.1	4	14	degrees
10.meter.temperature.tower.1	6	f6.1	centigrade
60.meter.temperature.tower.1	6	f6.1	centigrade
delta.t(60-10)	6	f6.2	centigrade
dew.point	6	f6.2	centigrade
solar.radiation.tower.1	6	f6.2	langleys/minute
10.meter.wind.speed.tower.2	6	f6.1	mph
10.meter.wind.direction.tower.2	4	14	degrees
10.meter.amb.temperature	6	f6.1	centigrade
10.meter.wind.speed.tower.3	6	f6.1	mph
10.meter.wind.direction.tower.3	4	14	degrees
10.meter.amb.temperature.tower.3	6	f6.1	centigrade
unknown	7	f7.2	-
unknown	7	f7.2	-

Data recorded in Vol. 2, Year-end Report, Dec77-Nov78

No data designated by 99.99 or one less than size designated.

Table 2-4  
 Following activities: the GALT and associated  
 activity of the  
 related activity: 1977 - 1978

Activity	1977	1978
1. ...	...	...
2. ...	...	...
3. ...	...	...
4. ...	...	...
5. ...	...	...
6. ...	...	...
7. ...	...	...
8. ...	...	...
9. ...	...	...
10. ...	...	...
11. ...	...	...
12. ...	...	...
13. ...	...	...
14. ...	...	...
15. ...	...	...
16. ...	...	...
17. ...	...	...
18. ...	...	...
19. ...	...	...
20. ...	...	...
21. ...	...	...
22. ...	...	...
23. ...	...	...
24. ...	...	...
25. ...	...	...
26. ...	...	...
27. ...	...	...
28. ...	...	...
29. ...	...	...
30. ...	...	...
31. ...	...	...
32. ...	...	...
33. ...	...	...
34. ...	...	...
35. ...	...	...
36. ...	...	...
37. ...	...	...
38. ...	...	...
39. ...	...	...
40. ...	...	...
41. ...	...	...
42. ...	...	...
43. ...	...	...
44. ...	...	...
45. ...	...	...
46. ...	...	...
47. ...	...	...
48. ...	...	...
49. ...	...	...
50. ...	...	...

Notes: ...

Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

aqmet80\_juno.fl\_md format

Period Covered: 6/80 - 11/80

Parameter	Length	Format	Units
Record 1 for Site 1			
space	1	lx	na
date.sampled	6	a6	mmddy
space	1	lx	na
hour.sampled	2	a2	-
latitude	9	f9.4	degrees.latitude
longitude	9	f9.4	degrees.longitude
space	1	lx	na
sulfur.dioxide	5	f5.3	ppm
nitrogen.oxides	6	f6.3	ppm
carbon.monoxide	6	f6.1	ppm
hydrogen-sulfide	6	f6.3	ppm
nitric oxide	6	f6.3	ppm
ozone	6	f6.3	ppm
wind.speed(10.meter)	5	f5.1	mph
space	1	lx	na
wind.direction(10.meter)	3	i3	degrees
wind.speed(60.meter)	5	f5.1	mph
space	1	lx	na
wind.direction	3	i3	degrees
temperature(10.meter)	5	f5.1	degrees.c
temperature(60.meter)	5	f5.1	degrees.c
temperature.differential(60-10)	5	f5.1	degrees.c
dew.point	5	f5.1	degrees.c
solar.radiation	5	f5.2	langleys/minute

Record 2 for Site 2

space	1	lx	na
date.sampled	6	a6	mmddy
space	1	lx	na
hour.sampled	2	a2	-
latitude	9	f9.4	degrees.latitude
longitude	9	f9.4	degrees.longitude
space	1	lx	na
wind.speed(10.meter)	5	f5.1	mph
space	1	lx	na
wind.direction(10.meter)	4	i4	degrees
space	1	lx	na
temperature(10.meter)	6	f6.1	degrees.c

Continued on next page

TEST 2  
 MEASURING MEASUREMENTS: ALL MEASUREMENTS ARE IN METERS  
 (1000 METERS = 1 KILOMETER)

Item	Length	Weight	Volume
1. A pencil	18 cm	5 g	10 mL
2. A paperclip	3 cm	1 g	2 mL
3. A paper	21 cm	5 g	10 mL
4. A book	15 cm	1 kg	100 mL
5. A box	20 cm	2 kg	200 mL
6. A glass	10 cm	100 g	100 mL
7. A bottle	20 cm	500 g	500 mL
8. A can	10 cm	1 kg	1000 mL
9. A bag	30 cm	1 kg	1000 mL
10. A box	20 cm	1 kg	1000 mL
11. A box	20 cm	1 kg	1000 mL
12. A box	20 cm	1 kg	1000 mL
13. A box	20 cm	1 kg	1000 mL
14. A box	20 cm	1 kg	1000 mL
15. A box	20 cm	1 kg	1000 mL
16. A box	20 cm	1 kg	1000 mL
17. A box	20 cm	1 kg	1000 mL
18. A box	20 cm	1 kg	1000 mL
19. A box	20 cm	1 kg	1000 mL
20. A box	20 cm	1 kg	1000 mL

Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

aqmet80\_juno.fl\_md format (continued from previous page)

Period Covered: 6/80 - 11/80

Parameter	Length	Format	Units
Record 3 for Site 3			
space	1	lx	na
date.sampled	6	a6	mmddy
space	1	lx	na
hour.sampled	2	a2	-
latitude	9	f9.4	degrees.latitude
longitude	9	f9.4	degrees.longitude
space	1	lx	na
sulfur.dioxide	6	f6.3	ppm
hydrogen.sulfide	6	f6.3	ppm
ozone	6	f6.3	ppm
nitrogen.oxides	6	f6.3	ppm
nitric.oxide	6	f6.3	ppm
carbon.monoxide	6	f6.1	ppm
wind.speed(10.meter)	5	f5.1	mph
space	1	lx	na
wind.direction(10.meter)	3	i3	degrees
temperature(10.meter)	5	f5.1	degrees.c

Repeat record 1,2,3 until all the file has been read  
Missing data are coded as 999's.

TABLE 1  
 SUMMARY OF THE DATA  
 FROM THE TESTS  
 (continued from previous page)

Series	Time	Length	Remarks
1	12	1	...
2	12	2	...
3	12	3	...
4	12	4	...
5	12	5	...
6	12	6	...
7	12	7	...
8	12	8	...
9	12	9	...
10	12	10	...
11	12	11	...
12	12	12	...
13	12	13	...
14	12	14	...
15	12	15	...
16	12	16	...
17	12	17	...
18	12	18	...
19	12	19	...
20	12	20	...
21	12	21	...
22	12	22	...
23	12	23	...
24	12	24	...
25	12	25	...
26	12	26	...
27	12	27	...
28	12	28	...
29	12	29	...
30	12	30	...

...

Ca\_md Format

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

Format: JKCO4A-1\_md, JKCO4B-1\_md

Period Covered: 12/80 - 5/81  
6/81 - 12/81

Parameter	Length	Format	Units
space	1	lx	na
date	6	3i2	mmddy
space	1	lx	na
hour	2	i2	hr
sulfur.dioxide(s1)	7	f7.3	ppm
nitrogen.oxides(s1)	7	f7.3	ppm
carbon.monoxide(s1)	7	f7.1	ppm
hydrogen.sulfide(s1)	8	f8.3	ppm
nitric.oxide(s1)	8	f8.3	ppm
sulfur.dioxide(s3)	8	f8.3	ppm
hydrogen.sulfide(s3)	8	f7.3	ppm
ozone(s3)	8	f7.3	ppm
nitrogen.oxides(s3)	8	f7.3	ppm
nitric.oxide(s3)	8	f7.3	ppm
ozone(s1)	8	f7.3	ppm
carbon.monoxide(s3)	7	f7.1	ppm
wind.speed(t1-10m)	6	f6.1	mph
wind.direction(t1-10m)	4	i4	deg
wind.speed(t1-60m)	6	f6.1	mph
wind.direction(t1-60m)	4	i4	deg
temp(10m)	6	f6.1	deg.C
temp(60m)	6	f6.1	deg.C
delta.T(60-10)	6	f6.1	deg.C
dew.point	6	f6.1	deg.C
solar.radiation	6	f6.2	langleys.min
wind.speed(t2-10m)	6	f6.1	mph
wind.direction	4	i4	deg
ambient.temp(t1-10m)	6	f6.1	deg.C
wind.speed(t3-10m)	6	f6.1	mph
wind.direction(t3-10m)	4	i4	deg
ambient.temp(t3-10m)	6	f6.1	deg.C

The following table shows the results of the regression analysis for the dependent variable  $\ln(Y)$  and the independent variables  $\ln(X_1)$ ,  $\ln(X_2)$ , and  $\ln(X_3)$ . The regression equation is:
 
$$\ln(Y) = \beta_0 + \beta_1 \ln(X_1) + \beta_2 \ln(X_2) + \beta_3 \ln(X_3) + \epsilon$$
 where  $\epsilon$  is the error term. The results are as follows:

Variable	Parameter	Estimate	Standard Error	t-Statistic	Probability >  t
Constant	$\beta_0$	1.234	0.123	10.03	0.0001
$\ln(X_1)$	$\beta_1$	0.789	0.045	17.53	0.0000
$\ln(X_2)$	$\beta_2$	0.567	0.032	17.72	0.0000
$\ln(X_3)$	$\beta_3$	0.345	0.021	16.43	0.0000
Adjusted R-squared		0.987			
F-statistic		123.45			0.0000
Prob(F > F)		0.0000			
Sig. of the F		0.0000			
Mean Dependent Variable		2.345			
Mean Independent Variable		1.234			



Ca\_md Format

Tract: C-a  
 Monitoring Activity: PRECIPITATION DATA  
 Format: precbl\_md  
 Period Covered: 02/02/75 - 11/26/76

Parameter	Length	Format	Units
space	1	lx	na
date	8	a8	mmddy
space	1	lx	na
site-1	5	a5	inches.of.water
space	1	lx	na
site-1(weighing.gage)	5	a5	inches.of.water
space	1	lx	na
site-2	5	a5	inches.of.water
space	1	lx	na
site-2(weighing.gage)	5	a5	inches.of.water
space	1	lx	na
site-3	5	a5	inches.of.water
space	1	lx	na
site-4	5	a5	inches.of.water

When sites 1 & 2 have a weighing gage value the first value is by tipping bucket otherwise method is not stated.

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WYOMING STATE OFFICE - CHEYENNE

Section	Range	Section	Range
36	12	1	12
35	12	2	12
34	12	3	12
33	12	4	12
32	12	5	12
31	12	6	12
30	12	7	12
29	12	8	12
28	12	9	12
27	12	10	12
26	12	11	12
25	12	12	12

These sections are 2 days' walking distance from the range and are  
for grazing purposes and should not be used.

Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

prec80\_s1\_md format

prec80\_s2\_md format

prec80\_s3\_md format

Period Covered: 06/80 - 11/80

Parameter	Length	Format	Units
Site 1			
space	1	lx	na
date	13	a13	mmddy-yy-mmddy
space	1	lx	na
weather.measure.tipping.bucket.gauge	4	f4.2	inches
space	1	lx	na
belfort.weighing.bucket.gauge	4	f4.2	inches
space	1	lx	na
wedge.gauge	4	f4.2	inches

Dates not listed had no precipitation

Belfort weighing bucket gauge not installed at site 3

Project No. \_\_\_\_\_  
 Institution Address \_\_\_\_\_  
 Street No. \_\_\_\_\_  
 City \_\_\_\_\_  
 State \_\_\_\_\_  
 Zip \_\_\_\_\_

Form No. \_\_\_\_\_

Site 1

Item	Quantity	Unit	Description
1	1	ea	...
2	1	ea	...
3	1	ea	...
4	1	ea	...
5	1	ea	...
6	1	ea	...
7	1	ea	...
8	1	ea	...
9	1	ea	...
10	1	ea	...

Items not listed but in description  
 Items not listed but in description

Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

Format: prec77 80 md, prec81 md

Period Covered: 09/03/77 - 11/24/80  
12/80 - 12/81

Parameter	Length	Format	Units
space	1	lx	na
site.no	6	a6	na
space	1	lx	na
date	17	a17	mmddyymmddy
space	1	lx	na
tipping.bucket.gauge	5	a5	inches
space	1	lx	na
belfort.weighing.gauge	5	a5	inches
space	1	lx	na
wedge.gauge	5	a5	inches

\* After inches measured means estimate after guage was spilled.

M means missing data

T means trace only

Missing data is 99.9 in 80-81 file  
100.0 or rounded up

Trace 2 -  
 Monitoring Activities - AIR QUALITY and METEOROLOGY  
 Format: PROV 88 and PROV 89  
 Period Covered: 07/01/77 - 12/31/80  
 12/01 - 12/81

Parameter	Length	Format	Units
space	1	ix	na
site.no	6	nb	na
space	1	ix	na
date	17	nlv	yyyymmdd
space	1	ix	na
tiping.bucket.gauge	7	nb	inches
space	1	ix	na
deltaft.weight.gauge	7	nb	inches
space	1	ix	na
wedge.gauge	7	nb	inches

\* Alert inches measured wedge surface alert gauge was nullified.  
 M means missing data  
 I means trace only  
 Missing data in 99.9 in 80-81 file  
 100.0 or rounded up

## Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

precl23\_1279\_md format

Period Covered: 12/79 - 5/80

Parameter	Length	Format	Units
space	1	1x	na
station	5	a5	-
space	2	2x	na
start.date	6	a6	mmddy
space	2	2x	na
end.date	6	a6	mmddy
space	2	2x	na
tipping.bucket.gauge	5	F5.2	inches
space	2	2x	na
belfort.weighing.gauge	5	F5.2	inches
space	2	2x	na
wedge.gauge	5	F5.2	inches





Ca\_md Formats

Tract: C-a

Monitoring Activity: Air Quality and Meteorology

Format: part77\_80\_md, part81\_md, partbl\_md

Period Covered: 9/77 - 11/80

12/80 - 12/81

3/75 - 11/76

Parameter	Length	Format	Units
space	1	lx	na
date	8	a8	mmddy
space	1	lx	na
s1	9	f9.1	micrograms.cubic.meter
sle	9	f9.1	micrograms.cubic.meter
s2	9	f9.1	micrograms.cubic.meter
s3	9	f9.1	micrograms.cubic.meter
s3c	9	f9.1	micrograms.cubic.meter
s4	9	f9.1	micrograms.cubic.meter
s6	9	f9.1	micrograms.cubic.meter

Missing data is coded 99.9

Department of Health and Human Services  
 Administration for Children and Youth  
 Administration on Children, Youth, and Families  
 Office of Child Abuse Prevention  
 Child Abuse Prevention Center  
 3552 - 11776  
 12180 - 12181  
 11777 - 11778

Category	Number	Percentage	Total
Physical	1	100%	1
Emotional	1	100%	1
Behavioral	1	100%	1
Sexual	1	100%	1
Medical	1	100%	1
Psychological	1	100%	1
Developmental	1	100%	1
Other	1	100%	1
Subtotal	7	100%	7

Estimated data is based on...

Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

dvo917\_2\_md format

Period Covered: 6/3/79-11/30/79

Parameter	Length	Format	Units
space	1	lx	na
date	8	a8	yr/mo/da
space	2	2x	na
site-1	4	i4	micro.grams/cubic.meter
space	2	2x	na
site_2	4	i4	micro.grams/cubic.meter
space	2	2x	na
site_3	4	i4	micro.grams/cubic.meter



Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

hiv\_1279\_md format

Period Covered: 12/79 - 5/80

Parameter	Length	Format	Units
space	1	1x	na
date	8	a8	yr/mo/da
space	2	2x	na
site_1	4	i4	micro.grams/cubic.meter
space	2	2x	na
site_2	4	i4	micro.grams/cubic.meter
space	2	2x	na
site_3	4	i4	micro.grams/cubic.meter



Ca\_md Formats

Tract: C-a

Monitoring Activity: AIR QUALITY and METEOROLOGY

part80\_md format

Period Covered: 06/03/80 - 11/30/80

Parameter	Length	Format	Units
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
site.1	3	a3	ug/m3
space	1	lx	na
site.2	3	a3	ug/m3
space	1	lx	na
site.3	3	a3	ug/m3
space	1	lx	na
site.3c	3	a3	ug/m3

Data not given designated by —





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 fmdpd78\_md format  
 Period Covered: 9/14/78-00/00/78

Parameter	Length	Format	Units
space	1	1x	na
station	6	a6	-
space	2	2x	na
latitude	8	f8.4	degrees.latitude
space	2	2x	na
longitude	8	f8.4	degrees.longitude
space	2	2x	na
plot	2	i2	-
space	2	2x	na
elevation	5	i5	ft
space	2	2x	na
aspect	2	a2	-
space	2	2x	na
slope	2	i2	-
space	2	2x	na
vegetation	2	a2	-
space	2	2x	na
date	5	i5	mddy
space	2	2x	na
no.of.pellet.groups	2	i2	-
space	2	2x	na
season	1	a1	-

Plot size - 4 sq. meters.



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 smdpd78\_md format  
 Period Covered: 05/16/78-00/00/78

Parameter	Length	Format	Units
space	1	1x	na
station	6	a6	-
space	2	2x	na
latitude	8	f8.4	degrees.latitude
space	2	2x	na
longitude	8	f8.4	degrees.longitude
space	2	2x	na
plot.number	2	i2	-
space	20	20x	na
date	6	a6	mmddy
space	2	2x	na
no.of.pellet.groups	2	i2	na
space	2	2x	na
season	1	a1	na

Large skips of space are so that the various files are similar.  
 Plot - 4 sq. meters.



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 mul79\_md format  
 Period Covered: 05/12/79-05/31/79  
 09/10/79-09/20/79

Parameter	Length	Format	Units
space	1	1x	na
station	6	a6	-
space	2	2x	na
latitude	8	f8.4	degrees.latitude
space	2	2x	na
longitude	8	f8.4	degrees.longitude
space	2	2x	na
plot	2	i2	-
space	2	2x	na
elevation	5	i5	ft.
space	2	2x	na
slope	2	i2	-
space	2	2x	na
aspect	2	a2	-
space	2	2x	na
type	2	a2	-
space	2	2x	na
date	5	i5	mddy
space	2	2x	na
number	2	i2	-



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 mul\_spr80\_md format  
 Period Covered: 5/12/80-5/31/80

Parameter	Length	Format	Units
space	1	lx	na
station	6	a6	-
space	2	2x	na
latitude	8	f8.4	degrees
space	2	2x	na
longitude	8	f8.4	degrees
space	2	2x	na
plot.number	2	i2	-
space	2	2x	na
elevation	5	i5	ft.
space	2	2x	na
slope	2	i2	na
space	1	lx	na
aspect	3	a3	-
space	2	2x	na
habitat	2	a2	-
space	1	lx	na
date	6	a6	mmddy
space	2	2x	na
pellet/count	2	i2	-





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 fmule80\_md format  
 Period Covered: 9/23/80-9/00/80

Parameter	Length	Format	Units
space	1	lx	na
station	6	a6	-
space	1	lx	na
latitude	8	f8.4	degrees.latitude
space	1	lx	na
longitude	8	f8.4	degrees.longitude
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
plot.number	2	i2	-
space	1	lx	na
elevation	4	i4	(feet.above.sea.level)
space	1	lx	na
slope	3	i3	-
space	1	lx	na
aspect	3	a3	-
space	1	lx	na
vegetation.type	2	a2	-
space	1	lx	na
number.of.pellets.counted	2	i2	-

Forest Act  
Monitoring Activities: INDUSTRIAL  
United Kingdom  
Period Covered: 9/23/80-9/30/80

Parameter	Length	Format	Units
space	1	ix	na
station	6	ab	-
space	1	ix	na
latitude	8	18.4	degrees,latitude
area	1	ix	na
longitude	8	18.4	degrees,longitude
space	1	ix	na
data	6	nb	body
space	1	ix	na
plot number	2	ix	-
space	1	ix	na
elevation	4	ix	(not shown, see level)
space	1	ix	na
slope	3	ix	-
space	1	ix	na
aspect	3	ix	-
space	1	ix	na
vegetation type	2	ix	-
space	1	ix	na
number of waters counted	2	ix	-

Ca\_md Format

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: sfmd81\_md  
 Period Covered: Spring and Fall 1981

Parameter	Length	Format	Units
space	1	1x	na
station	6	a6	-
space(to.be.consistent)	22	22x	na
plot	2	i2	-
space	2	2x	na
elevation	5	i5	-
space	2	2x	na
slope	2	i2	-
space	2	2x	na
aspect	2	a3	-
space	2	2x	na
vegetation	2	a2	-
space	2	2x	na
date	6	a6	mmddy
space	2	2x	na
pellet.count	2	i2	-



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 avifa79\_md format  
 Period Covered: 06/13/79-06/16/79

Parameter	Length	Format	Units
space	1	1x	na
station	6	a6	-
space	2	2x	na
latitude	8	f8.4	degrees
space	2	2x	na
longitude	8	f8.4	degrees
space	2	2x	na
date	5	a5	mddy
space	2	2x	na
species	6	a6	-
space	2	2x	na
number.observed	2	i2	-

Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 avi80\_md format  
 Period Covered: 6/04/80-6/06/80

Parameter	Length	Format	Units
space	1	1x	na
station	6	a6	-
latitude	9	f9.4	degrees.latitude
longitude	9	f9.4	degrees.longitude
space	1	1x	na
date	6	a6	mmddy
space	1	1x	na
species.code	6	a6	-
space	1	1x	na
number.of.birds.observed	3	i3	-
space	1	1x	na
time.transect.was.walked	4	i4	-



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: avifa81\_md  
 Period Covered: 5/28/81

Parameter	Length	Format	Units
space	1	lx	na
station	6	a6	-
space	19	19x	na
date	6	a6	mmddy
space	1	lx	na
species.code	6	a6	-
space	1	lx	na
number.of.birds.observed	3	i3	-
space	1	lx	na
times.transect.walked	4	i4	-





Ca\_md Formats

Tract: C-a

Monitoring Activity: TERRESTRIAL

mamm79\_md format

Period Covered: 06/26/79-06/28/79

Parameter	Length	Format	Units
space	1	1x	na
station	6	a6	-
space	2	2x	na
latitude	8	f8.4	degrees
space	2	2x	na
longitude	8	f8.4	degrees
space	2	2x	na
date	5	a5	mddy
space	2	2x	na
time	1	a1	-
space	2	2x	na
trap	3	a3	-
space	2	2x	na
species	6	A6	-
space	2	2x	na
identification.number	3	i3	-
space	2	2x	na
number.times.captured	2	a2	-
space	2	2x	na
sex	1	a1	M.or.F
space	2	2x	na
age	1	a1	-
space	2	2x	na
reproductive.status	1	a1	-

0 means no data given on tape.

- given for reproductive.status when not known.

. number times captured (no data) but other data given.



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: sm81\_md  
 Period Covered: 6/9/81

Parameter	Length	Format	Units
space	1	lx	na
station	6	a6	-
space	21	2lx	na
date	6	a6	mmddy
space	2	2x	na
time	1	al	-
space	2	2x	na
trap.number	3	a3	-
space	2	2x	na
species.code	6	a6	-
space	2	2x	na
identification.number	3	a3	-
space	2	2x	na
number.times.captured	1	al	-
space	2	2x	na
sex	1	al	-
space	2	2x	na
age	1	al	-
space	2	2x	na
reproductive.status	1	al	-
space	2	2x	na
recaptured	2	a2	-

Forest - 0-2  
 Neotropical Activity: TERNSTRAL  
 Forest: 00112  
 Period Covered: 01/81

Parameter	Length	Format	Units
area	1	ix	na
rotation	6	ad	-
space	21	2ix	na
date	6	ad	month
space	2	2x	na
time	1	al	-
space	2	2x	na
tree number	2	ad	-
space	2	2x	na
species code	6	ad	-
space	2	2x	na
identification number	2	ad	-
space	2	2x	na
number times captured	1	al	-
space	2	2x	na
sex	1	al	-
space	2	2x	na
age	1	al	-
space	2	2x	na
capture date status	1	al	-
space	2	2x	na
reported	2	2x	-

Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: smamm80\_md  
 Period Covered: 6/11/80-6/13/80

Parameter	Length	Format	Units
space	1	lx	na
station	6	a6	-
space	1	lx	na
latitude	9	f9.4	degrees.latitude
longitude	9	f9.4	degrees.longitude
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
trap	3	a3	-
space	1	lx	na
species.code	6	a6	-
space	1	lx	na
species	3	a3	-
space	1	lx	na
number.times.captured	1	a1	-
space	1	lx	na
sex	1	a1	-
space	1	lx	na
age	1	a1	-
space	1	lx	na
reproductive.status	1	a1	-
space	1	lx	na
recaptured	1	a2	-

Project: [illegible]  
Location: [illegible]  
Date: [illegible]

Station	Year	Depth	Parameter
10	21	1	Temp
11	22	2	Temp
12	23	3	Temp
13	24	4	Temp
14	25	5	Temp
15	26	6	Temp
16	27	7	Temp
17	28	8	Temp
18	29	9	Temp
19	30	10	Temp
20	31	11	Temp
21	32	12	Temp
22	33	13	Temp
23	34	14	Temp
24	35	15	Temp
25	36	16	Temp
26	37	17	Temp
27	38	18	Temp
28	39	19	Temp
29	40	20	Temp
30	41	21	Temp
31	42	22	Temp
32	43	23	Temp
33	44	24	Temp
34	45	25	Temp
35	46	26	Temp
36	47	27	Temp
37	48	28	Temp
38	49	29	Temp
39	50	30	Temp
40	51	31	Temp
41	52	32	Temp
42	53	33	Temp
43	54	34	Temp
44	55	35	Temp
45	56	36	Temp
46	57	37	Temp
47	58	38	Temp
48	59	39	Temp
49	60	40	Temp
50	61	41	Temp
51	62	42	Temp
52	63	43	Temp
53	64	44	Temp
54	65	45	Temp
55	66	46	Temp
56	67	47	Temp
57	68	48	Temp
58	69	49	Temp
59	70	50	Temp
60	71	51	Temp
61	72	52	Temp
62	73	53	Temp
63	74	54	Temp
64	75	55	Temp
65	76	56	Temp
66	77	57	Temp
67	78	58	Temp
68	79	59	Temp
69	80	60	Temp
70	81	61	Temp
71	82	62	Temp
72	83	63	Temp
73	84	64	Temp
74	85	65	Temp
75	86	66	Temp
76	87	67	Temp
77	88	68	Temp
78	89	69	Temp
79	90	70	Temp
80	91	71	Temp
81	92	72	Temp
82	93	73	Temp
83	94	74	Temp
84	95	75	Temp
85	96	76	Temp
86	97	77	Temp
87	98	78	Temp
88	99	79	Temp
89	100	80	Temp
90	101	81	Temp
91	102	82	Temp
92	103	83	Temp
93	104	84	Temp
94	105	85	Temp
95	106	86	Temp
96	107	87	Temp
97	108	88	Temp
98	109	89	Temp
99	110	90	Temp
100	111	91	Temp
101	112	92	Temp
102	113	93	Temp
103	114	94	Temp
104	115	95	Temp
105	116	96	Temp
106	117	97	Temp
107	118	98	Temp
108	119	99	Temp
109	120	100	Temp

Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 brow7677\_new\_md format  
 Period Covered: 12/06/76-05/07/77

Parameter	Length	Format	Units
space	1	lx	na
station	5	a5	-
space	1	lx	na
latitude	8	f8.4	degrees.latitude
space	1	lx	na
longtidue	8	f8.4	degrees.longitude
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
plant.number	2	i2	-
space	1	lx	na
species.code	6	a6	-
space	1	lx	na
form.class	1	i1	-
space	1	lx	na
age.class	1	a1	-
space	1	lx	na
leader.use	2	i2	-
space	1	lx	na
hedg.classification	1	a1	-
space	1	lx	na
availability	3	i3	-
space	1	lx	na
slope	3	a3	-
space	1	lx	na
aspect	3	a3	-
space	1	lx	na
elevation	5	i5	-

Form class

- 1-all available, little or no hedging
- 2-all available, moderate hedging
- 3-all available, severe hedging
- 4-partially available, little or no hedging
- 5-partially available, moderately hedged
- 6-partially available, severely hedged
- 7-unavailable
- 8-dead

Age class

- S seedlings, less than 0.3 cm basal diameter
- Y young, 0.3 to 0.6 cm basal diameter
- M mature, over 0.6 cm basal diameter
- D decadent, more than 25% of crown surface dead

Hedging classification

Classification based upon the length of appearance  
 (hedging of the previous year's growth [the two-year-old wood])

1 none too light	2 moderate	3 severe
------------------	------------	----------

Availability

Visual estimate of the percent of the plant available to deer as browse, i.e., that portion less than six feet tall.

History of Present Illness  
Detailed description of the patient's symptoms and medical history.

Examination	Findings	Interpretation
General	Well-developed, healthy appearing	No acute illness
HEENT	Normal	No acute pathology
Cardiovascular	Normal	No acute pathology
Respiratory	Normal	No acute pathology
Gastrointestinal	Normal	No acute pathology
Genitourinary	Normal	No acute pathology
Neurological	Normal	No acute pathology
Musculoskeletal	Normal	No acute pathology
Skin	Normal	No acute pathology
Diagnosis		
1. [Diagnosis]		
2. [Diagnosis]		
3. [Diagnosis]		
4. [Diagnosis]		
5. [Diagnosis]		
6. [Diagnosis]		
7. [Diagnosis]		
8. [Diagnosis]		
9. [Diagnosis]		
10. [Diagnosis]		
11. [Diagnosis]		
12. [Diagnosis]		
13. [Diagnosis]		
14. [Diagnosis]		
15. [Diagnosis]		
16. [Diagnosis]		
17. [Diagnosis]		
18. [Diagnosis]		
19. [Diagnosis]		
20. [Diagnosis]		
21. [Diagnosis]		
22. [Diagnosis]		
23. [Diagnosis]		
24. [Diagnosis]		
25. [Diagnosis]		
26. [Diagnosis]		
27. [Diagnosis]		
28. [Diagnosis]		
29. [Diagnosis]		
30. [Diagnosis]		
31. [Diagnosis]		
32. [Diagnosis]		
33. [Diagnosis]		
34. [Diagnosis]		
35. [Diagnosis]		
36. [Diagnosis]		
37. [Diagnosis]		
38. [Diagnosis]		
39. [Diagnosis]		
40. [Diagnosis]		
41. [Diagnosis]		
42. [Diagnosis]		
43. [Diagnosis]		
44. [Diagnosis]		
45. [Diagnosis]		
46. [Diagnosis]		
47. [Diagnosis]		
48. [Diagnosis]		
49. [Diagnosis]		
50. [Diagnosis]		
51. [Diagnosis]		
52. [Diagnosis]		
53. [Diagnosis]		
54. [Diagnosis]		
55. [Diagnosis]		
56. [Diagnosis]		
57. [Diagnosis]		
58. [Diagnosis]		
59. [Diagnosis]		
60. [Diagnosis]		
61. [Diagnosis]		
62. [Diagnosis]		
63. [Diagnosis]		
64. [Diagnosis]		
65. [Diagnosis]		
66. [Diagnosis]		
67. [Diagnosis]		
68. [Diagnosis]		
69. [Diagnosis]		
70. [Diagnosis]		
71. [Diagnosis]		
72. [Diagnosis]		
73. [Diagnosis]		
74. [Diagnosis]		
75. [Diagnosis]		
76. [Diagnosis]		
77. [Diagnosis]		
78. [Diagnosis]		
79. [Diagnosis]		
80. [Diagnosis]		
81. [Diagnosis]		
82. [Diagnosis]		
83. [Diagnosis]		
84. [Diagnosis]		
85. [Diagnosis]		
86. [Diagnosis]		
87. [Diagnosis]		
88. [Diagnosis]		
89. [Diagnosis]		
90. [Diagnosis]		
91. [Diagnosis]		
92. [Diagnosis]		
93. [Diagnosis]		
94. [Diagnosis]		
95. [Diagnosis]		
96. [Diagnosis]		
97. [Diagnosis]		
98. [Diagnosis]		
99. [Diagnosis]		
100. [Diagnosis]		

Physical Examination: [Detailed description of physical findings]

Review of Systems: [Detailed description of review of systems]

Diagnosis: [List of diagnoses]

Plan: [Treatment plan]

Discussion: [Detailed discussion of the case, including differential diagnosis and management options]

Conclusion: [Summary of the case and key takeaways]



Ca\_md Formats

Tract: C-a

Monitoring Activity: TERRESTRIAL

bro78\_md and bro79\_md formats

Period Covered: 05/09/78-05/14/78

05/02/79-05/04/79

Parameter	Length	Format	Units
space	1	1x	na
latitude	8	f8.4	degrees.latitude
space	2	2x	na
longitude	8	f8.4	degrees.longitude
space	2	2x	na
date	6	a6	mmddy
space	2	2x	na
num	3	I3	-
space	2	2x	na
species	6	a6	-
space	2	2x	na
form.class	6	i6	-(see below)
space	2	2x	na
age.class	6	a6	-(see below)
space	2	2x	na
leader.use	6	a6	-(see below)
space	2	2x	na
hedge.classification	6	a6	-(see below)
space	2	2x	na
availability	6	a6	-(see below)
space	2	2x	na
elevation	4	a4	ft
space	2	2x	na
slope	3	a3	numeric(has.dashes.when. no.data)
space	2	2x	na
aspect	3	a3	alpha(has dashes when no data or not 3 alpha direction is given)

Form class

- 1-all available, little or no hedging
- 2-all available, moderate hedging
- 3-all available, severe hedging
- 4-partially available, little or no hedging
- 5-partially available, moderately hedged
- 6-partially available, severely hedged
- 7-unavailable
- 8-dead

Age class

- S seedlings, less than 0.3 cm basal diameter
- Y young, 0.3 to 0.6 cm basal diameter
- M mature, over 0.6 cm basal diameter
- D decadent, more than 25% of crown surface dead

Hedging classification

Classification based upon the length of appearance

(hedging of the previous year's growth [the two-year-old wood])

- 1 none too light
- 2 moderate
- 3 severe

Availability

Visual estimate of the percent of the plant available to deer as browse, i.e., that portion less than six feet tall.

Technical description of the system, including details of the hardware and software components used in the development of the system.

Component	Quantity	Unit	Description
Processor	1	PC	Intel Pentium 4
Memory	1	RAM	1GB DDR
Storage	1	Hard Drive	160GB IDE
Power Supply	1	PSU	300W ATX
Case	1	Mid Tower	Standard ATX
Monitor	1	15" CRT	Standard
Keyboard	1	Standard	USB
Mouse	1	Standard	USB
Operating System	1	License	Windows XP
Software	1	License	Microsoft Office
Network Card	1	PCI	10/100 Mbps
Sound Card	1	PCI	5.1 Channel
Webcam	1	USB	1.3MP
Printer	1	Printer	Color Inkjet
Scanner	1	Scanner	Flatbed
UPS	1	UPS	1000VA
Peripherals	1	Various	Mouse, Keyboard, etc.

The system is designed to provide a secure and reliable environment for the execution of the application. It includes a dedicated server with a redundant power supply and RAID configuration for data protection. The client machines are configured with standard Windows XP and Office software, ensuring compatibility and ease of use.

The system architecture is based on a client-server model. The server handles all data processing and storage, while the client machines provide the user interface and input. This architecture ensures that data is centralized and secure, while users can access the system from multiple locations.

Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 brow80\_md format  
 Period Covered: 4/29/80-5/16/80

Parameter	Length	Format	Units
space	1	lx	na
station	5	a5	-
space	1	lx	na
latitude	8	f8.4	degrees.latitude
space	1	lx	na
longitude	8	f8.4	degrees.longitude
space	1	lx	na
date	6	a6	mmddyy
space	1	lx	na
plant.number (obs.no.)	2	a2	-
space	1	lx	na
species.code	6	a6	-
space	1	lx	na
form.class	1	a1	-
space	1	lx	na
age.class	1	a1	-
space	1	lx	na
leader.usage	2	a2	-
space	1	lx	na
hedging.class	1	a1	-
space	1	lx	na
availability	3	a3	-

Form class

- 1-all available, little or no hedging
- 2-all available, moderate hedging
- 3-all available, severe hedging
- 4-partially available, little or no hedging
- 5-partially available, moderately hedged
- 6-partially available, severely hedged
- 7-unavailable
- 8-dead

Age class

- S seedlings, less than 0.3 cm basal diameter
- Y young, 0.3 to 0.6 cm basal diameter
- M mature, over 0.6 cm basal diameter
- D decadent, more than 25% of crown surface dead

Hedging classification

Classification based upon the length of appearance

(hedging of the previous year's growth [the two-year-old wood])

- 1 none too light
- 2 moderate
- 3 severe

Availability

Visual estimate of the percent of the plant available to deer as browse, i.e., that portion less than six feet tall.



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format bro\_spr80 md, browse81 md  
 Period Covered: 04/29/80 - 05/16/80  
                   04/28/81 - 05/15/81

Parameter	Length	Format	Units
space	1	1x	na
habitat	2	a2	-
space	2	2x	na
transect	2	i2	-
space	2	2x	na
date	6	i6	mmddy
space	2	2x	na
number	2	i2	-
space	2	2x	na
species.code	6	a6	-(see.below)
space	2	2x	na
form.class	1	i1	-(see.below)
space	2	2x	na
age.class	1	a1	-(see.below)
space	2	2x	na
leader.usage	2	i2	-(see.below)
space	2	2x	na
hedging.class	1	a1	-(see.below)
space	2	2x	na
availability	3	i3	-(see.below)

### Form Class

1-all available, little or no helping  
 2-all available, moderate hedging  
 3-all available, severe hedging  
 4-partially available, little or no hedging  
 5-partially available, moderately hedged  
 6-partially available, severely hedged  
 7-unavailable  
 8-dead

### Age Class

S seedlings, less than 0.3 cm  
   basal diameter  
 Y young, 0.3 to 0.6 cm basal  
   diameter  
 M mature, over 0.6 cm basal  
   diameter  
 D decadent, more than 25% of  
   crown surface dead

### Hedging Classification

Classification based upon the length of appearance  
 (hedging of the previous year's growth [the two-year-old wood])  
 1 none too light                      2 moderate                      3 severe

### Availability

Visual estimate of the percent of the plant available to deer as browse,  
 i.e., that portion less than six feet tall.



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: ranex\_bro81 md  
 Period Covered: 06/23/81

Parameter	Length	Format	Units
space	1	lx	na
vegetation.type	2	a2	-
space	1	lx	na
sample.unit	2	a2	-
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
observer	2	a2	-
space	1	lx	na
species.code	6	a6	-(see.below)
space	1	lx	na
form.class	2	a2	-(see.below)
space	1	lx	na
age.class	2	a2	-(see.below)
space	1	lx	na
leader.usage.percent	4	a4	-(see.below)
space	1	lx	na
hedging.class	2	a2	-(see.below)
space	1	lx	na
availability.percent	6	a6	-(see.below)

Form class

- 1-all available, little or no hedging
- 2-all available, moderate hedging
- 3-all available, severe hedging
- 4-partially available, little or no hedging
- 5-partially available, moderately hedged
- 6-partially available, severely hedged
- 7-unavailable
- 8-dead

Age class

- S seedlings, less than 0.3 cm basal diameter
- Y young, 0.3 to 0.6 cm basal diameter
- M mature, over 0.6 cm basal diameter
- D decadent, more than 25% of crown surface dead

Hedging classification

Classification based upon the length of appearance  
 (hedging of the previous year's growth [the two-year-old wood])

1 none too light	2 moderate	3 severe
------------------	------------	----------

Availability

Visual estimate of the percent of the plant available to deer as browse, i.e., that portion less than six feet tall.

UNIT 2  
UNIT 3  
UNIT 4

UNIT	UNIT	UNIT	UNIT
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

UNIT 1  
UNIT 2  
UNIT 3  
UNIT 4  
UNIT 5  
UNIT 6  
UNIT 7  
UNIT 8  
UNIT 9  
UNIT 10  
UNIT 11  
UNIT 12  
UNIT 13  
UNIT 14  
UNIT 15  
UNIT 16  
UNIT 17  
UNIT 18  
UNIT 19  
UNIT 20

UNIT 1  
UNIT 2  
UNIT 3  
UNIT 4  
UNIT 5  
UNIT 6  
UNIT 7  
UNIT 8  
UNIT 9  
UNIT 10  
UNIT 11  
UNIT 12  
UNIT 13  
UNIT 14  
UNIT 15  
UNIT 16  
UNIT 17  
UNIT 18  
UNIT 19  
UNIT 20

UNIT 1  
UNIT 2  
UNIT 3  
UNIT 4  
UNIT 5  
UNIT 6  
UNIT 7  
UNIT 8  
UNIT 9  
UNIT 10  
UNIT 11  
UNIT 12  
UNIT 13  
UNIT 14  
UNIT 15  
UNIT 16  
UNIT 17  
UNIT 18  
UNIT 19  
UNIT 20



Ca\_md Formats

Tract: C-a

Monitoring Activity: TERRESTRIAL

ranprd\_md format

Period Covered: 09/00/78-09/00/78

Parameter	Length	Format	Units
space	1	1x	na
station	5	a5	na
space	2	2x	na
latitude	8	f8.4	degrees.latitude
space	2	2x	na
longitude	8	f8.4	degrees.longitude
space	2	2x	na
date	6	a6	mmddy(dd.is.zero)
space	2	2x	na
species	7	a7	-
space	2	2x	na
plot	2	a2	-
space	12	12x	na
weight	7	f7.2	grams(what.is.it?)

Track: C-4  
 Monitoring Activity: TERRESTRIAL  
 Report of Forest  
 Forest Covered: 09/00/75-02/00/75

Parameter	Length	Format	Units
weight	7	E7.1	grams(what, in, 10, 10)
space	12	12	no
plot	2	2	-
space	2	2	no
location	7	2	-
space	2	2	no
date	8	2	no
space	2	2	no
longitude	8	E8.4	degrees, longitude
space	2	2	no
latitude	8	E8.4	degrees, latitude
space	2	2	no
station	2	2	no
space	2	2	no
station	2	2	no

Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 rprod\_md format  
 Period Covered: 09/25/79-10/10/79

Parameter	Length	Format	Units
space	1	1x	na
station	5	a5	na
space	2	2x	na
latitude	8	f8.4	degrees.latitude
space	2	2x	na
longitude	8	f8.4	degrees.longitude
space	2	2x	na
date	6	a6	mmddy
space	2	2x	na
species	7	a7	-
space	2	2x	na
plot	2	a2	-
space	2	2x	na
type	1	a1	-
space	2	2x	na
estimated.weight	5	f5.2	grams
space	2	2x	na
green.weight	5	f5.2	grams
space	2	2x	na
dry.weight	5	f5.2	grams
space	2	2x	na
calculated.weight	5	f5.2	grams

5 plots are clipped.

5 plots are protected - don't have dry but calculated weight.

TABLE 1  
 PHYSICAL PROPERTIES OF  
 POLYMERIZATION SYSTEMS

System	Temperature	Time	Conversion
1	50	10	0.05
2	50	20	0.10
3	50	30	0.15
4	50	40	0.20
5	50	50	0.25
6	50	60	0.30
7	50	70	0.35
8	50	80	0.40
9	50	90	0.45
10	50	100	0.50
11	50	110	0.55
12	50	120	0.60
13	50	130	0.65
14	50	140	0.70
15	50	150	0.75
16	50	160	0.80
17	50	170	0.85
18	50	180	0.90
19	50	190	0.95
20	50	200	1.00

Conversion is calculated as  $1 - \frac{[M]_t}{[M]_0}$  where  $[M]_0$  is the initial monomer concentration and  $[M]_t$  is the monomer concentration at time  $t$ .

Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 rprod80\_md format  
 Period Covered: 09/03/80 - 09/17/80

Parameter	Length	Format	Units
space	1	1x	na
station	5	a5	-
space	1	1x	na
latitude	8	f8.4	degrees.latitude
space	1	1x	na
longitude	8	f8.4	degrees.longitude
space	1	1x	na
date	6	a6	mmddy
space	1	1x	na
species	6	a6	-
space	1	1x	na
plot	2	a2	-
space	1	1x	na
exclosure (y.or.n)	1	a1	-
space	1	1x	na
estimated.weight	4	a4	grams
space	1	1x	na
green.weight	4	a4	grams
space	1	1x	na
dry.weight	4	a4	grams

If exclosure = n, then the green weight and dry weight variables will be blank.

Project No. 10000000000000000000  
Contract No. 10000000000000000000  
Contract Description - 10000000000000000000

Item No.	Description	Quantity	Unit Price	Total Price
01	Item 1	1	100	100
02	Item 2	2	50	100
03	Item 3	1	100	100
04	Item 4	100	1	100
05	Item 5	1	100	100
06	Item 6	100	1	100
07	Item 7	1	100	100
08	Item 8	1	100	100
09	Item 9	1	100	100
10	Item 10	1	100	100
11	Item 11	1	100	100
12	Item 12	1	100	100
13	Item 13	1	100	100
14	Item 14	1	100	100
15	Item 15	1	100	100
16	Item 16	1	100	100
17	Item 17	1	100	100
18	Item 18	1	100	100
19	Item 19	1	100	100
20	Item 20	1	100	100

Total Price = 2000.00. The above prices are for unit price contracts only. All prices are in US Dollars.

Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: range81\_md  
 Period Covered: 8/26 - 9/10/81

Parametr	Length	Format	Units
space	1	1x	na
station	5	a5	na
space	22	22x	na
date	6	a6	mmddy
space	2	2x	na
species	7	a7	-
space	2	2x	na
plot	2	a2	-
space	12	12x	na
weight	7	f7.2	grams(what.is.it?)
space	2	2x	na
enclosure	1	a1	-

Tract: C-8  
Monitoring Activity: INDUSTRIAL  
Forest: Longleaf  
Period Covered: 8/25 - 8/28/81

Percent	Length	Format	Unit
enclosure	1	nl	-
space	1	nl	-
weight	1	1.2	na
space	12	1.2	na
plot	2	nl	-
space	2	nl	-
special	1	nl	-
space	2	nl	-
date	6	nl	waddy
space	22	1.2	na
station	2	nl	na
space	1	nl	na



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 soil.chem\_r380\_md format  
 Period Covered:

Parameter	Length	Format	Units
space	1	1x	na
substrate.type.location	2	a2	-
space	1	1x	na
depth.of.soil.sample	2	a2	-
space	1	1x	na
soil.texture	4	a4	-
space	1	1x	na
pH.water	5	i5	-
space	1	1x	na
pH buffer	5	i5	-
space	1	1x	na
cation.exchange.capacity	5	i5	-
space	1	1x	na
salt.content	5	i5	-
space	1	1x	na
sodium(Na)	5	i5	mg/l
space	1	1x	na
lime	5	i5	-
space	1	1x	na
organic.matter	5	i5	-
space	1	1x	na
organics	5	i5	-
space	1	1x	na
nitrate (NO <sub>3</sub> )	5	i5	mg/l
space	1	1x	na
phosphorus (P)	5	i5	mg/l
space	1	1x	na
potassium (K)	5	i5	mg/l
space	1	1x	na
calcium (Ca)	5	i5	mg/l
space	1	1x	na
magnesium (Mg)	5	i5	mg/l
space	1	1x	na
sulfur (S)	5	i5	mg/l
space	1	1x	na
boron (B)	5	i5	mg/l
space	1	1x	na
zinc (Zn)	5	i5	mg/l
space	1	1x	na
iron (Fe)	5	i5	mg/l
space	1	1x	na
manganese (Mn)	5	i5	mg/l
space	1	1x	na

Station: 6-4  
 (Continued from previous page)  
 Date: 12-11-62  
 Location: 6-4

Depth	Temperature	Direction	Speed	Remarks
1	12	120	1	Surface
2	12	120	1	Surface
3	12	120	1	Surface
4	12	120	1	Surface
5	12	120	1	Surface
6	12	120	1	Surface
7	12	120	1	Surface
8	12	120	1	Surface
9	12	120	1	Surface
10	12	120	1	Surface
11	12	120	1	Surface
12	12	120	1	Surface
13	12	120	1	Surface
14	12	120	1	Surface
15	12	120	1	Surface
16	12	120	1	Surface
17	12	120	1	Surface
18	12	120	1	Surface
19	12	120	1	Surface
20	12	120	1	Surface
21	12	120	1	Surface
22	12	120	1	Surface
23	12	120	1	Surface
24	12	120	1	Surface
25	12	120	1	Surface
26	12	120	1	Surface
27	12	120	1	Surface
28	12	120	1	Surface
29	12	120	1	Surface
30	12	120	1	Surface

Ca\_md Formats

Tract: C-a

Monitoring Activity: TERRESTRIAL

soil.chem\_r380\_md format (continued from previous page)

Period Covered:

Parameter	Length	Format	Units
copper (Cu)	5	i5	mg/l
space	1	lx	na
arsenic (As)	5	i5	mg/l
space	1	lx	na
fluorine (F)	5	i5	mg/l
space	1	lx	na
molybdenum (Mo)	5	i5	mg/l
space	1	lx	na
selenium (Se)	5	i5	mg/l

TABLE 2-2  
 Monitoring Activity: TERRESTRIAL  
 well-shown (380 and forms) (continued from previous page)  
 Method Covered:

Parameter	Length	Format	Units
copper (Cu)	2	12	ug/l
space	1	12	na
arsenic (As)	2	12	ug/l
space	1	12	na
fluoride (F)	2	12	ug/l
space	1	12	na
molybdenum (Mo)	2	12	ug/l
space	1	12	na
nitrate (Na)	2	12	ug/l

Ca\_md Formats

Tract: C-a

Monitoring Activity: TERRESTRIAL

phy79\_md format

Period Covered: 06/14/79 - 06/29/79

Parameter	Length	Format	Units
Record 1			
space	1	1x	na
station	6	a6	-
space	2	2x	na
latitude	8	f8.4	degrees.latitude
space	2	2x	na
longitude	8	f8.4	degrees.longitude
space	2	2x	na
date	5	5a	mddy
space	2	2x	na
elevation	4	i4	ft
space	2	2x	na
aspect	3	i3	-
space	2	2x	na
slope	3	i3	-
density.or.cover	1	a1	d.or.c
space	2	2x	na
species	7	a7	-

Record 2

macroplot or microplots  
 (20 values)  
 same for next 19 values



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: phy80\_md  
 Period Covered: 06/05/80 - 06/17/80

Parameter	Length	Format	Units
space	1	1x	na
station	6	a6	-
space	2	2x	na
latitude	8	f8.4	degrees.latitude
space	2	2x	na
longitude	8	f8.4	degrees. longitude
space	2	2x	na
date	6	a6	mmddy
space	2	2x	na
species	7	a7	-
space	2	2x	na
growth.form	1	a1	-
space	2	2x	na
parameter(d.or.c)	1	a1	-
sample.plots(1_20)	60	2013	-





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: phytoc81\_md  
 Period Covered: June 1981

Parameter	Length	Format	Unit
space	1	lx	na
station	6	a6	-
space	22	22x	na
date	6	a6	mmddy
space	2	2x	na
species	7	a7	-
space	2	2x	na
growth.form	1	a1	-
space	2	2x	na
parameter(d.or.c)	1	a1	-
sample.plots(1_20)	60	20i3	-



Ca\_md Formats

Tract: C-b  
 Monitoring Activity: TERRESTRIAL  
 Format: deerkill81 md  
 Period Covered: 1/79 - 12/81

Parameter	Length	Format	Units
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
mile.marker	4	f4.1	-
space	1	lx	na
age	1	l	-
space	1	lx	na
sex	1	al	-
space	1	ix	na
number.killed	1	il	-



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: ranexa\_cov81\_md, ranexa\_bio81\_md  
 Period Covered: June 30, 1981  
 June 30, 1981

Parameter	Length	Format	Unit
space	1	lx	na
habitat	2	a2	-
space	1	lx	na
transect	3	a3	-
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
species.code	7	a7	-
space	1	lx	na
growth.form	1	a1	-
space	1	lx	na
parameter	1	a1	-
record 1			
above.information.plus sample.plots 1-20	60	2013	-
record 2			
init.information/plus sample.plots 21-40	60	2013	-
record 3			
init.information.plus sample.plots 41-50	30	1013	-



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: ranexb\_cov81\_md, ranexb\_bio81\_md  
 Period Covered: June 30, 1981  
 June 30, 1981

Parameter	Length	Format	Units
space	1	lx	na
habitat	2	a2	-
space	1	lx	na
transect	3	a3	-
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
species.code	7	a7	-
space	1	lx	na
growth form	1	a1	-
space	1	lx	na
parameter	1	a1	-
record 1			
above.information.plus sample.plots 1-20	60	2013	-
record 2			
init.information.plus sample.plots 21-40	60	2013	-
record 3			
init.information.plus sample.plots 41-60	60	2013	-
record 4			
init.information.plus sample.plots 61-80	60	3120	-
record 5			
init.information.plus sample.plots 81-100	60	3120	-





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: ranexcd\_cov81\_md,ranexcd\_bio81\_md  
 Period Covered: June 30, 1981

Parameter	Length	Format	Units
space	1	lx	na
habitat	2	a2	-
space	1	lx	na
transect	3	a3	-
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
species code	7	a7	-
space	1	lx	na
growth.form	1	a1	-
space	1	lx	na
parameter	1	a1	-
record 1			
above.information.plus sample.plots.1-20	60	20i3	-
record 2			
init.information.plus sample.plots 21-40	60	20i3	-
record 3			
init.information.plus sample.plots 41-60	60	20i3	-
record 4			
init.information.plus sample.plots 61-80	60	20i3	-
record 5			
init.information.plus sample.plots 81-100	60	20i3	-
record 6			
init.information.plus sample.plots 101-120	60	20i3	-
record 7			
init.information.plus sample.plots 121-140	60	20i3	-
record 8			
init.information.plus sample.plots 141-150	30	10i3	-



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: TERRESTRIAL  
 Format: veg80 81 md  
 Period Covered: 80-81

Parameter	Length	Format	Units
space	1	lx	na
habitat	2	a2	-
space	1	lx	na
transect	1	i2	-
space	1	lx	na
plot	1	i2	-
space	1	lx	na
seed	1	i1	-
space	1	lx	na
chop	1	i1	-
space	1	lx	na
fertilizer	1	i1	-
space	1	lx	na
orientation	1	i1	-
space	1	lx	na
date	6	a6	-
space	1	lx	na
species code	6	a6	-
space	1	lx	na
growth.form	1	a1	-
space	1	lx	na
invaded	1	a1	-
space	1	lx	na
parameter	1	a1	-
space	1	lx	na
cover.density	4	i4	-



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 aqu\_phys80\_md format  
 Period Covered: 4/21/80-10/15/80

Parameter	Length	Format	Units
space	1	lx	na
station.number	2	a2	-
space	1	lx	na
sample.date	6	a6	mmddyy
space	1	lx	na
time	4	a4	-
space	1	lx	na
air.temperature	3	a3	degrees.C
space	1	lx	na
percent.cloud.cover	3	a3	-
space	1	lx	na
water.temperature	3	a3	degrees.C
space	1	lx	na
conductivity/1st.reading	4	a4	-
space	1	lx	na
conductivity/2nd.reading	4	a4	-
space	1	lx	na
dissolved.oxygen/1st.reading	4	a4	-
space	1	lx	na
dissolved.oxygen/2nd.reading	4	a4	-
space	1	lx	na
alkalinity (phenyl)/1st.value	4	a4	-
space	1	lx	na
alkalinity (phenyl)/2nd.value	4	a4	-
space	1	lx	na
alkalinity (total)-1st.value	4	a4	-
space	1	lx	na
alkalinity (total)-2nd.value	4	a4	-
space	1	lx	na
ph-1st.value	4	a4	-
space	1	lx	na
ph-2nd.value	4	a4	-
space	1	lx	na
bottom.substrate	8	a8	-
space	1	lx	na
stream.width	4	a4	inches
space	1	lx	na
stream.velocity-1st.value	4	a4	ft/min
space	1	lx	-
stream.velocity-2nd.value	4	a4	ft/min
space	1	lx	-
stream.velocity-3rd.value	4	a4	ft/min
space	1	lx	-
stream.depth-1st.value	4	a4	ft
space	1	lx	-
stream.depth-2nd.value	4	a4	ft
space	1	lx	-
stream.depth-3rd.value	4	a4	ft



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 aqu\_chem80\_md format  
 Period Covered: 00/80-00/80

Parameter	Length	Format	Units
space	1	lx	na
station.number	2	a2	-
space	1	lx	na
replicate.designation(a.or.b)	1	a1	-
space	1	lx	na
date.sampled	6	a6	mmddy
space	1	lx	na
date.received	6	a6	mmddy
space	1	lx	na
date.reported	6	a6	mmddy
space	1	lx	na
rice.sample.number	8	a8	-
space	1	lx	na
client.number	10	a10	-
space	1	lx	na
alkalinity (CaCO <sub>3</sub> )	4	a4	mg/l
space	1	lx	na
alkalinity (pht)	2	a2	-
space	1	lx	na
bicarbonate	3	a3	mg/l
space	1	lx	na
calcium	3	a3	mg/l
space	1	lx	na
chloride	3	a3	mg/l
space	1	lx	na
fluoride	3	a3	mg/l
space	1	lx	na
magnesium	3	a3	mg/l
space	1	lx	na
nitrate	3	a3	mg/l
space	1	lx	na
ortho-phosphorus	3	a3	mg/l
space	1	lx	na
total.phosphorus	3	a3	mg/l
space	1	lx	na
potassium	3	a3	mg/l
space	1	lx	na
silica	3	a3	mg/l
space	1	lx	-
sodium	3	a3	mg/l
space	1	lx	-
dissolved.solids	4	a4	-
space	1	lx	-
sulfate	4	a4	mg/l
space	1	lx	-
turbidity	3	a3	-
space	1	lx	-
boron	4	a4	mg/l





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 aqu\_peri80\_md format  
 Period Covered: 4/21/80-10/00/80

Parameter	Length	Format	Units
space	1	lx	na
station.number	2	a2	-
space	1	lx	na
replicate.designation	1	a1	-
space	1	lx	na
species.code	6	a6	-
space	1	lx	na
number.observed	3	a3	-
space	1	lx	na
date.sampled	6	a6	mmddy
space	1	lx	na
sample.location	2	a2	-
space	1	lx	na
area.of.transect	6	a6	-
space	1	lx	na
number.of.drops	3	a3	-
space	1	lx	na
number.of.transects	2	a2	-
space	1	lx	na
cover.slip.area	5	a5	-
space	1	lx	na
number.of.drops/ml	3	a3	-
space	1	lx	na
number.of.replicates	1	a1	-
space	1	lx	na
sample.log.number	7	a7	-

P is used for number observed occasionally.  
 Six files are recorded together.



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 gmdv\_bd79\_md format  
 Period Covered: 4/25/79 - 10/09/79

Parameter	Length	Format	Units
space	1	1x	na
mariah.no	3	i3	-
space	2	2x	na
station	2	i2	-
space	2	2x	na
log	12	a12	-
space	2	2x	na
date	8	a8	mm/dd/yr
space	2	2x	na
collector	5	a5	-
space	2	2x	na
NOr	2	i2	-
space	2	2x	na
date2	8	a8	mm/dd/yy
space	2	2x	na
analy	5	a5	-
space	2	2x	na
species	4	a4	-
space	2	2x	na
rep.a	4	i4	-
space	2	2x	na
rep.8	4	i4	-



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 aqu\_benthos80\_md format  
 Period Covered: 4/80 - 10/80

Parameter	Length	Format	Units
space	1	lx	na
station	2	a2	-
space	1	lx	na
species.code	5	a5	-
space	1	lx	na
number.observed-replicate.1	3	a3	-
space	1	lx	na
number.observed-replicate.2	3	a3	-
space	1	lx	na
number.observed-replicate.3	3	a3	-
space	1	lx	na
number.of.replicates	1	a1	-
space	1	lx	na
sample.date	6	a6	mmddy
space	1	lx	na
analysis.date	6	a6	mmddy
space	1	lx	na
sample.log.number	18	a18	-

Six files are recorded together.



Ca\_md Formats

Tract: C-a

Monitoring Activity: AQUATIC

ben\_apr80\_md and ben\_may80\_md formats

Period Covered: 4/80-4/80

5/80-5/80

Parameter	Length	Format	Units
space	1	1x	na
mariah.project.number	3	a3	-
space	2	2x	na
station.number	2	i2	-
space	2	2x	na
sample.log.number	11	all	-
space	2	2x	na
sample.data	6	a6	month
space	2	2x	na
sample.date	4	a4	year
space	2	2x	na
collector	5	a5	-
space	2	2x	na
number.of.replicates	1	i1	-
space	2	2x	na
analysis.date	8	a8	mm-dd-yy
space	2	2x	na
analyst	12	a12	-
space	2	2x	na
species.code	4	a4	-
space	2	2x	na
number.observed	2	a2	-
space	2	2x	na
number.observed	2	a2	-
space	2	2x	na
number.observed	2	a2	-





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 aqu\_peri\_biomass.data80\_md format  
 Period Covered: 4/21/80-00/00/80

Parameter	Length	Format	Units
space	1	lx	na
station.number	2	a2	-
space	1	lx	na
replicate.designation	1	a1	-
space	1	lx	na
dry.weight	8	a8	grams(decimal)
space	1	lx	na
ash.weight	8	a8	grams(decimal)
space	1	lx	na
date	6	a6	mmddyy
space	1	lx	na
area scraped	3	a3	-
space	1	lx	-
log.number	7	a7	-



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 peri\_apr80\_md and peri\_may80\_md formats  
 Period Covered: 4/80-4/80  
 5/80-5/80

Parameter	Length	Format	Units
space	1	1x	na
mariah.log.number	7	a7	-
space	2	2x	na
sample.station.number	2	i2	-
space	2	2x	na
replicate.designation	1	a1	-
space	2	2x	na
sample.data	6	a6	mmddy
space	2	2x	na
sample.location	12	a12	na
space	2	2x	na
area.of.transect	6	f6.3	-
space	2	2x	na
number.of.drops	3	i3	number.of.drops/ml
space	2	2x	na
number.of.times.surveyed	2	i2	-
space	2	2x	na
species.code	6	a6	-
space	2	2x	na
number.observed	3	a3	-

P occurs occasionally for number observed.



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 gmdv\_ppdb79\_md format  
 Period Covered: 4/01/79-10/01/79

Parameter	Length	Format	Units
space	1	1x	na
date	12	a12	number.1.then.month
space	2	2x	na
date	4	a4	year
space	2	2x	na
area.scraped	2	i2	-
space	2	2x	na
log.number	7	a7	-
space	2	2x	na
station/replicate.designation	3	a3	-
space	2	2x	na
dry.weight	8	f8.4	grams
space	2	2x	na
ash.weight	8	f8.4	grams



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 gmdv\_ppd79\_md format  
 Period Covered: 4/25/79-10/09/79

Parameter	Length	Format	Units
space	1	1x	na
mariah.log.number	7	a7	-
space	2	2x	na
sample.station.number	2	i2	-
space	2	2x	na
replicate.designation	1	a1	-
space	2	2x	na
sample.date	6	a6	mmddy
space	2	2x	na
sample.location	12	a12	-
space	2	2x	na
area.of.transect	6	f6.3	-
space	2	2x	na
number.of.drops	3	i3	number of drops/ml
space	2	2x	na
number.of.times.surveyed	2	i2	-
space	2	2x	na
species.code	6	a6	-
space	2	2x	na
number.observed	3	a3	-

P occurs for number observed occasionally.





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 gmdv\_cd79\_md format  
 Period Covered: 04/26/79-10/12/79

Parameter	Length	Format	Units
client.number	8	a8	-
space	2	2x	na
date.sampled	8	a8	mddy
space	2	2x	na
date.received	8	a8	mddy
space	2	2x	na
date.reported	8	a8	mddy
space	2	2x	na
station.number	3	a3	-
space	2	2x	na
all.sampled.number	8	a8	-
space	2	2x	na
alkalinity(CaCO3)	5	f5.1	mg/l
space	2	2x	na
alkalinity(PHT)	5	f5.1	-
space	2	2x	na
bicarbonate	5	f5.1	mg/l
space	2	2x	na
calcium	4	f4.1	mg/l
space	2	2x	na
chloride	4	a4	mg/l
space	2	2x	na
fluoride	4	f4.1	mg/l
space	2	2x	na
magnesium	4	f4.1	mg/l
space	2	2x	na
nitrate	4	a4	mg/l
space	2	2x	na
ortho-phosphorus	4	a4	mg/l
space	2	2x	na
total-phosphorus	5	f5.1	mg/l
space	2	2x	na
potassium	5	f5.1	mg/l
space	2	2x	na
silica	5	f5.1	mg/l
space	2	2x	na
sodium	5	f5.1	mg/l
space	2	2x	na
dissolved.solids	5	f5.1	mg/l
space	2	2x	na
sulfate	5	f5.1	mg/l
space	2	2x	na
turbidity	5	f5.1	-
space	2	2x	na
boron	4	a4	mg/l



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 Format: aqchem81 md  
 Period Covered: 04/27/81

Parameter	Length	Format	Units
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## Record 1

space	1	lx	na
station	4	a4	-
space	1	lx	na
date	6	a6	mmddy
magnesium	10	al,f9.3	mg/l
sodium	10	al,f9.3	mg/l
potassium	10	al,f9.3	mg/l
iron	10	al,f9.3	mg/l
bicarbonate	10	al,f9.3	mg/l
carbonate	10	al,f9.3	mg/l
hydroxide	10	al,f9.3	mg/l
sulfates	10	al,f9.3	mg/l
chloride	10	al,f9.3	mg/l
TDS	10	al,f9.3	mg/l

99.9 not tested all values have sign < or =

## Record 2

space	12	12x	na
TSS	10	al,f9.3	mg/l
total alk	10	al,f9.3	mg/l
total hard	10	al,f9.3	mg/l
total PO <sub>4</sub>	10	al,f9.3	mg/l
ammonia	10	al,f9.3	mg/l
nitrate	10	al,f9.3	mg/l
fluoride	10	al,f9.3	mg/l
bromide	10	al,f9.3	mg/l
DOC	10	al,f9.3	mg/l
arsenic	10	al,f9.3	ug/l
boron	10	al,f9.3	ug/l



Format: aqchem81\_md (cont)

Parameter	Length	Format	Units
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Record 3

space	12	12x	na
mercury	10	al,f9.3	ug/l
molybdenum	10	al,f9.3	ug/l
selenium	10	al,f9.3	ug/l
silica	10	al,f9.3	ug/l
vanadium	10	al,f9.3	ug/l
aluminum	10	al,f9.3	ug/l
barium	10	al,f9.3	ug/l
beryllium	10	al,f9.3	ug/l
bismuth	10	al,f9.3	ug/l
cadmium	10	al,f9.3	ug/l
chromium	10	al,f9.3	ug/l

Record 4

space	12	12x	na
copper	10	al,f9.3	ug/l
gallium	10	al,f9.3	ug/l
germanium	10	al,f9.3	ug/l
lead	10	al,f9.3	ug/l
lithium	10	al,f9.3	ug/l
manganese	10	al,f9.3	ug/l
nickel	10	al,f9.3	ug/l
strontium	10	al,f9.3	ug/l
titanium	10	al,f9.3	ug/l
zinc	10	al,f9.3	ug/l
zirconium	10	al,f9.3	ug/l

Record 5

gross alpha	10	al,f9.3	ug/l
gross beta	10	al,f9.3	ug/l
cation/anion	10	al,f9.3	ug/l



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 Format: aqphy81\_md  
 Period Covered: 04/28/81

Parameters	Length	Format	Units
space	1	lx	na
station	4	a4	-
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
time	4	a4	hhmm
space	1	lx	na
air.temperature	5	a5	-
space	1	lx	na
cloud.cover	5	a5	-
space	1	lx	na
water.temperature-rep.1		a5	-
space	1	lx	na
water.temperature-rep.2		a5	-
space	1	lx	na
conductivity-rep.1		a5	-
space	1	lx	na
conductivity-rep.2		a5	-
space	1	lx	na
dissolved.oxygen-rep.1		a5	-
space	1	lx	na
dissolved.oxygen-rep.2		a5	-
space	1	lx	na
Ph-rep.1	5	a5	-
space	1	lx	na
Ph-rep.2	5	a5	-
space	1	lx	na
stream.width	5	a5	-
space	1	lx	na
alkalinity.phenyl-rep.1	5	a5	-
space	1	lx	na
alkalinity.phenyl-rep.2	5	a5	-
space	1	lx	na
alkalinity.total-rep.1	6	a6	-
space	1	lx	na
alkalinity.total-rep.2	5	a5	-
space	1	lx	na
unknown	6	a6	-
space	1	lx	na
substrate.description	20	a20	-

All values not checked are 99.9





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 Format: peri81\_md  
 Period Covered: 4/28/81

Parameter	Length	Format	Units
space	1	lx	na
station.number	4	a4	-
space	1	lx	na
replicate.Designation	1	a1	-
space	1	lx	na
species.code	6	a6	-
space	1	lx	na
number.observed	3	a3	-
space	1	lx	na
date/samples	6	a6	mmddy
space	1	lx	na
sample.location	2	a2	-
space	1	lx	na
area.of.transect	5	f5.4	-
space	1	lx	na
number.of.drops	3	a3	-
space	1	lx	na
number.of.transects	2	a2	-
space	1	lx	na
cover.slip.area	5	a5	-
space	1	lx	na
number.of.drops/ml	3	a3	-
space	1	lx	na
number.of.replicates	1	a1	-
space	1	lx	na
sample.log.number	7	a7	-
space	1	lx	na
original.volume	3	a3	(ml)added
space	1	lx	na
concentrate.volume	3	a3	(ml)added



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: AQUATIC  
 Format: benthos81\_md  
 Period Covered: 4/26/81

Parameter	Length	Format	Units
space	1	lx	na
station.number	4	a4	-
space	1	lx	na
species.code	5	a5	-
space	1	lx	na
number.observed-replicate.1	3	i3	-
space	1	lx	na
number.observed-replicate.2	3	i3	-
space	1	lx	na
number.observed-replicate.3	3	i3	-
space	1	lx	na
number.of.replicates	1	a1	-
space	1	lx	na
sample.date	6	a6	mmddy
space	1	lx	na
analysis.date	6	a6	mmddy
space	1	lx	na
sample.log.number	18	a18	-
space	1	lx	na
sample.size	3	a3	-



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: Water Quality  
 Format: alugwq81 md  
 Period Covered: 03/29/75

Parameter	Length	Format	Units
space	1	lx	na
date	6	3i2	mmddyy
space	1	lx	na
station	8	a8	-
AG	8	f8.2	ug/l
AL	8	f8.2	ug/l
ALK	8	f8.2	mg/l
ALPHA	8	f8.2	?
aquifer	8	f8.2	
AS	8	f8.2	ug/l
B	8	f8.2	ug/l
BA	8	f8.2	ug/l
BE	8	f8.2	ug/l
BETA	8	f8.2	?
BR	8	f8.2	mg/l
Ca	8	f8.2	mg/l
Cd	8	f8.2	ug/l
Cl	8	f8.2	ug/l
CO3	8	f8.2	ug/l
COD	8	f8.2	ug/l
CR	8	f8.2	ug/l
CU	8	f8.2	ug/l
CYN	8	f8.2	ug/l
depth	8	f8.2	?
DOC	8	f8.2	ug/l
F	8	f8.2	ug/l
FCOLI	8	f8.2	colonies/100 ml
FC	8	f8.2	ug/l
hard	8	f8.2	ug/l
HCO3	8	f8.2	ug/l
HG	8	f8.2	ug/l
K	8	f8.2	ug/l
KJELN	8	f8.2	ug/l
LI	8	f8.2	ug/l
MBAS	8	f8.2	?
Mg	8	f8.2	mg/l
Mn	8	f8.2	ug/l
MOL	8	f8.2	?
Na	8	f8.2	mg/l
NH3	8	f8.2	mg/l



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: HYDROLOGY  
 levalu\_md format  
 Period Covered: 10/10/77 - 11/24/78

Parameter	Length	Format	Units
coreid	7	a7	na
space	1	lx	na
code	1	a1	see below
space	1	lx	na
date	6	a6	modayr
space	1	lx	na
time	4	a4	hhmm (hour_minute)_24_hour
space	1	lx	na
deep level	5	f5.2	ft
space	1	lx	na
deep level corrected	5	f5.2	ft
space	1	lx	na
shallow level	5	f5.2	ft
space	1	lx	na
shallow level corrected	5	f5.2	ft

code      1 - stream                      2 - springs and seeps  
           3 - alluvial wells        4 - deep wells  
           5 - impoundments        6 - USGS data

File name for corehole id (all alpha are caps.)

GS - S6	GS - S13	GS - S24	GS - S28A
GS - S7	GS - S14	GS - S27	GS - S29
GS - S11	GS - S19	GS - S27	GS - S29A
GS - S11A	GS - S22	GS - S27A	
GS - S12	GS - S23	GS - S28	

Corrected values are water levels after instrument factors have been taken into account.





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: HYDROLOGY  
 pumpda md format  
 Period Covered: 05/24/78 - 11/17/78

Parameter	Length	Format	Units
coreid	10	a10	alphanumeric
space	1	lx	na
code	1	al	integer - see below
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
time	4	a4	hhmm
space	1	lx	na
water.level	8	f8.3	ft
space	1	lx	na
temperature	8	f8.3	centigrade
space	1	lx	na
conductivity	8	f8.3	micro_mhos
space	1	lx	na
ph	8	f8.3	-

coreid      S - shallow  
              D - deep

code        1 - stream  
              2 - springs and seeps  
              3 - alluvial wells  
              4 - deep wells  
              5 - impoundments  
              6 - USGS data



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: HYDROLOGY  
 pump28\_md format  
 Period Covered: 01/09/78 - 05/31/79

Parameter	Length	Format	Units
coreid	8	a8	-
space	1	lx	na
type.code	1	a1	-
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
time	4	a4	hhmm
space	1	lx	na
flow	8	f8.2	-
space	1	lx	na
conductivity	8	f8.2	micro_mhos
space	1	lx	na
ph	8	f8.2	-
space	1	lx	na
dissolved.oxygen.content	8	f8.2	%

The coreid is an alphanumeric string up to 8 characters in length. If the last character is a 'S', the data is for the shallow well location and if it is a 'D', the data is for the deep well location.



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: HYDROLOGY  
 levdep\_md format  
 Period Covered: 4/19/77 - 11/28/78

Parameter	Length	Format	Units
coreid	10	a10	alphanumeric
space	1	lx	na
code	1	a1	integer - see below
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
time	4	a4	hhmm
space	1	lx	na
deep.level	8	f8.3	ft
space	1	lx	na
deep.level.corrected	8	f8.3	ft
space	1	lx	na
shallow.level	8	f8.3	ft
space	1	lx	na
shallow.level.corrected	8	f8.3	ft

code      1 - stream  
           2 - springs and seeps  
           3 - alluvial wells  
           4 - deep wells  
           5 - impoundments  
           6 - USGS data



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: HYDROLOGY  
 erode28\_md format  
 Period Covered: 12/08/78 - 5/30/79

Parameter	Length	Format	Units
Record 1			
space	1	1x	na
station.id	2	a2	-
space	2	2x	na
time	4	a4	hhmm
space	2	2x	na
date	6	a6	mmddyy
space	2	2x	na
flow	20	a20	alpha.description
space	2	2x	na
height	4	f4.2	ft
space	2	2x	na
length	5	f5.2	ft
space	2	2x	na
number	3	i3	number.of values to follow

Record 2

values	6	f6.2	-
values	6	f6.2	-
etc. until number of values has been read			





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: HYDROLOGY  
 erodel\_md format  
 Period Covered: 6/12/78 - 11/17/78

Parameter	Length	Format	Units
Record 1			
space	1	1x	na
station.id	2	a2	-
space	2	2x	na
time	4	a4	hhmm
space	2	2x	na
date	6	a6	mmddy
space	2	2x	na
flow	20	a20	alpha.description
space	2	2x	na
height	4	f4.2	ft
space	2	2x	na
length	5	f5.2	ft
space	2	2x	na
number	3	i3	number.of.values.to.follow
Record 2			
values	6	f6.2	-
values	6	f6.2	-
etc. until number of values has been reached.			



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: HYDROLOGY  
 usgscont\_md format  
 Period Covered: 6/76 - 5/78

Parameter	Length	Format	Units
space	1	lx	na
station	8	a8	numeric
space	2	2x	na
latitude	8	f8.4	degrees
space	2	2x	na
longitude	8	f8.4	degrees
space	2	2x	na
month	2	i2	numeric
space	2	2x	na
year	4	a4	4.digit.year
space	2	2x	na
number.card	2	i2	days.of.month.recorded
space	2	2x	na
temperature	5	i5	-
space	2	2x	na
type	5	i5	type.of.data.max.min.mean
space	2	2x	na
value	7	f7.2	
etc. for 7 more values			

See WATSTOR book 1 for more detail.



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: HYDROLOGY  
 usgsin\_md format  
 Period Covered: 6/24/76-4/24/79

Parameter	Length	Format	Units
space	1	1x	na
station	8	a8	numeric
space	2	2x	na
latitude	8	f8.4	degrees.latitude
space	2	2x	na
longitude	8	f8.4	degrees.longitude
space	2	2x	na
date	6	a6	mmddy
space	2	2x	na
time	4	a4	hhmm
space	2	2x	na
code	5	a5	-
space	2	2x	na
value	10	e10.4	-
space	2	2x	na
code	5	a5	-
space	2	2x	na
value	10	e10.4	-
space	2	2x	na
code	5	a5	-
space	2	2x	na
value	10	e10.4	-
space	2	2x	na
code	5	a5	-
space	2	2x	na
value	10	e10.4	-

See WATSTOR book 3 for code descriptions.



## Ca\_md Formats

Tract: C-a  
 Monitoring Activity: HYDROLOGY  
 seeps\_md format  
 Period Covered: 10/10/77 - 9/21/78

Parameter	Length	Format	Units
springs.and.seeps.id	10	a10	alphanumeric
space	1	1x	na
code	1	a1	integer - see below
space	1	1x	na
date	6	a6	mmddy
space	1	1x	na
time	4	a4	hhmm
space	1	1x	na
temperature	8	f8.3	centigrade
space	1	1x	na
conductivity	8	f8.3	micro-mhos
space	1	1x	na
ph	8	f8.3	-
space	1	1x	na
doc - dissolved oxygen content	8	f8.3	%

code      1 - stream  
           2 - springs and seeps  
           3 - alluvial wells  
           4 - deep wells  
           5 - impoundments  
           6 - USGS data





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: HYDROLOGY  
 stream\_md format  
 Period Covered: 02/03/78-11/10/78

Parameter	Length	Format	Units
stream.id	10	a10	alphanumeric
space	1	lx	na
code	1	a1	integer - see below
space	1	lx	na
date	6	a6	mmddyy
space	1	lx	na
time	4	a4	hhmm
space	1	lx	na
temperature	8	f8.3	centigrade
space	1	lx	na
conductivity	8	f8.3	micro-mhos
space	1	lx	na
ph	8	f8.3	-
space	1	lx	na
doc - dissolved oxygen content	8	f8.3	%

- code
- 1 - stream
  - 2 - springs and seeps
  - 3 - alluvial wells
  - 4 - deep wells
  - 5 - impoundments
  - 6 - USGS data



Tract: C-a  
 Monitoring Activity: SPECIAL STUDIES  
 Format: revegsR\_81\_md  
 Period Covered: July 1981

Parameter	Length	Format	Units
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
site	2	a2	-
space	1	lx	na
block	2	a2	-
space	1	lx	-
plot	2	a2	-
space	1	lx	na
substrate	1	fl	-
space	1	lx	na
seed	1	fl	-
space	1	lx	na
mulch	1	fl	-
space	1	lx	na
fertilizer	1	fl	-
space	1	lx	na
species.code	6	a6	-
space	1	lx	na
growth.form.code	1	al	-
space	1	lx	na
planted.or.invaded	1	al	-
space	1	lx	na
subplot 1-Cover	4	i4	-
subplot 1-Biomass	4	i4	-
subplot 2-Cover	4	i4	-
subplot 2-Biomass	4	i4	-
subplot 3-Cover	4	i4	-
subplot 3-Biomass	4	i4	-
subplot 4-Cover	4	i4	-
subplot 4-Biomass	4	i4	-



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: SPECIAL STUDIES  
 gcnu\_rev767778\_md format  
 Period Covered: 06/09/76 - 09/08/78

Parameter	Length	Format	Units
space	1	1x	na
date	6	a6	mmddy
space	7	7x	na
site	2	a2	region/location
space	2	2x	na
subplot	3	i3	-
space	2	2x	na
substrate.code	2	i2	-
space	6	6x	na
mulche.code	2	i2	-
space	2	2x	na
species	7	a7	-
space	2	2x	na
data.type	2	a2	-
space	2	2x	na
biomass	8	f8.2	-
space	2	2x	na
fertilizer	1	i1	-
space	2	2x	na
e	1	a1	?



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: SPECIAL STUDIES  
 reveg79\_md format  
 Period Covered: 8/02/79

Parameter	Length	Format	Units
space	1	1x	na
date	6	a6	mmddy
space	2	2x	na
site	2	a2	-
space	2	2x	na
plot	3	i3	-
space	2	2x	na
subplot	3	i3	-
space	2	2x	na
/substrate.code	2	i2	-
space	2	2x	na
seeding.rate.code	2	i2	-
space	2	2x	na
mulch.code	2	i2	-
space	2	2x	na
species	7	a7	-
space	2	2x	na
life.form.code	2	a2	-
space	2	2x	na
invasion.code	2	a2	-
space	2	2x	na
biomass	8	f8.2	-
space	2	2x	na
cover	8	f8.2	-





Ca\_md Formats

Tract: C-a  
 Monitoring Activity: SPECIAL STUDIES  
 reveg\_rl80, reveg\_r280, reveg\_r380 format  
 Period Covered: 8/12/80-8/15/80  
                   8/07/80-8/12/80  
                   8/05/80-8/06/80

Parameter	Length	Format	Units
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
site	2	a2	-
space	1	lx	na
block	2	a2	-
space	1	lx	na
plot	2	a2	na
space	1	lx	na
species	7	a7	-
space	1	lx	na
growth.form	1	a1	-
space	1	lx	na
planted.or.invaded	1	a1	-
space	1	lx	na
cover.estimate.subplot.1	3	i3	-
space	1	lx	na
cover.estimate.subplot.2	3	i3	-
space	1	lx	na
cover.estimate.subplot.3	3	i3	-
space	1	lx	na
cover.estimate.subplot.4	3	i3	-

Invaded = I, planted is a blank column.



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: SPECIAL STUDIES  
 reveg\_r379\_md format  
 Period Covered: 8/27/79-9/08/79

Parameter	Length	Format	Units
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
site	2	a2	-
space	1	lx	na
plot	3	a3	-
space	1	lx	na
subplot.sampled	3	a3	-
space	1	lx	na
substrate.code	4	a4	-
space	1	lx	na
seeding.rate.code	2	a2	-
space	1	lx	na
mulch.rate.code	2	a2	-
space	1	lx	na
species.code	7	a7	-
space	1	lx	na
growth.form.code	2	a2	-
space	1	lx	na
planted.or.invaded	2	a2	-
space	1	lx	na
biomass	8	f8.2	-
cover	8	f8.2	-

Invaded = I; planted or blank.

Note: If the species appears but has 0 for both biomass and cover, then it was detected in quantities too small to measure (p or t):



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: SPECIAL STUDIES - SHRUBS  
 Format: shrubr3\_81\_md  
 Period Covered: October 1981

Parameter	Length	Format	Unit
space	1	lx	na
site	2	a2	-
space	1	lx	na
plot	2	a2	-
space	1	lx	na
substrate	1	il	-
space	1	lx	na
seed	1	il	-
space	1	lx	na
mulch	1	il	-
space	1	lx	na
date	6	a6	mmddyy
space	1	lx	na
block	2	a2	-
space	1	lx	na
species.code	6	a6	-
space	1	lx	na
growth.form	1	a1	-
space	1	lx	na
age.class	2	i2	-
space	1	lx	na
plant.height	3	i3	-
space	1	lx	na
plant.diameter	3	i3	-



Ca\_md Formats

Tract: C-a  
 Monitoring Activity: SPECIAL STUDIES  
 Format: reclam81 md  
 Period Covered: 8/24/81

Parameter	Length	Format	Units
space	1	lx	na
transect	6	a6	-
space	1	lx	na
date	6	a6	mmddy
space	1	lx	na
species.code	6	a6	-
space	1	lx	na
growth.foirm	1	al	-
space	1	lx	na
invaded	1	al	-
space	1	lx	na
cover.biomass	1	al	-
space	1	lx	na
seed.mixture	1	al	-
space	1	lx	na
subplots (1-10)	40	10i4	-
space	1	lx	na
date.seeded	6	a6	mmddy







BIENT AIR QUALITY DEVELOPMENT MONITORING NETWORK

Note: ( ) = Systems Dependent



Table 3.I

Tract: C-b

Monitoring Activity: AIR QUALITY AND METEOROLOGY

Inventory Date: 5/19/81

OSO File Name	Initial Date (mo/yr)	Final Date (mo/yr)	Page No.	Data Description
cb1.01				Lat-Long of Air Quality and Meteorology Sites
cb1.02_md	11/74	05/80	I-5	AQ and Met-site ab20
cb1.03_md	11/74	05/80	I-5	AQ and Met-site ab23
cb1.04_md	11/74	10/76	I-4	AQ and Met-site ab21
cb1.05_md	11/74	10/76	I-4	AQ and Met-site ab22
cb1.06_md	11/74	10/76	I-4	AQ and Met-site ab24
cb2.01_md	11/74	---	I-3	AQ and Met-site aa23
cb2.02_md	---	05/80	I-2	AQ and Met-site aa23
cb2.03			IC	Lat-Long of Particulate Sites
cb2.04_md	09/74	06/80	I-6	Particulate
cb2.05				Lat-Long of Acoustic Radar Sites
cb2.06_md	11/77	05/80	I-1	Radar
ab20_md	06/80	04/81	I-5	AQ and Met-site ab20
ab23_md	06/80	04/81	I-5	AQ and Met-site ab23
microc_md	12/74	04/81		Precipitation
afrms_md	06/80	04/81	I-1	Radar monitoring
cb11afrms				Lat-long radar monitoring sites
ab223_md	06/80	04/81	I-2	AQ and Met
ab123_md	06/80	04/81	I-3	AQ and Met
parta620	06/80	04/81	I-7	Particulate
evap_ab23_md	05/78	04/81	I-8	Evaporation



Table 3.II

Tract: C-b  
Monitoring Activity: TERRESTRIAL  
Inventory Date: 5/19/81

OSO File Name	Initial Date (mo/yr)	Final Date (mo/yr)	Page No.	Data Description
cb3.07				Lat-Long of Mule Deer Pellet Count Locations
cb3.08_md	09/77	05/80	II-4	Mule Deer Pellet Count
cb3.05				Lat-Long of Traffic Count Sites
cb3.06_md	02/80	04/80	II-3	Traffic Count
cb3.09				Lat-Long of Mule Deer Road Kill Locations
cb3.10_md	10/77	05/80	II-1	Mule Deer Road Kill
traffic_md	02/80	04/81	II-3	Traffic Count
deerc_md	06/80	05/81	II-4	Mule Deer Pellet Count
range_md	09/75	05/81	II-2	Range
bird_md	/77	/80	II-6	Bird
cb11b				Lat-Long of Bird Sites
deerk_md	06/80	05/81	II-5	Mule Deer Road Kill



Table 3.IV

Tract: C-b  
 Monitoring Activity: HYDROLOGY  
 Inventory Date:

OSO File Name	Initial Date (mo/yr)	Final Date (mo/yr)	Page No.	Data Description
cb3.01				Lat-Long of Water Quality Sites
cb3.02_md	10/74	05/80	IV-5	Surface Water Quality
cb3.03				Lat-Long of Water Level or Flow Sites
cb3.04_md	09/74	05/80	IV-2	Water Levels or Flow
shaft_md	10/79	04/81		Shaft
cbllsh				Lat-Long for Shaft Data
npdesmon_md	07/79	04/81		NPDES Monthly Data (errors)
cbllnp				Lat-Long NPDES Monitoring
npdes_md	01/80	04/81		NPDES Semi-Annual Monitoring (bad format)
cbllnpdes				Lat-Long NPDES Semi-Annual
wqual_md	06/74	04/81		Water Quality (errors)
water1_md	04/79	04/81	IV-1	Well Water Status
cb3.02_md	10/71	05/80	IV-4	
cb3.02_md			IV-3	





Cb\_md Formats

Tract: C-b

Monitoring Activity: AIR QUALITY and METEOROLOGY

Format: cb2.06 md, afrms md

Period Covered: 11/77 - 5/80  
6/80 - 4/81

Parameter	Length	Format	Units
space	1	lx	na
trailer	2	i2	na
latitude	9	f9.4	degrees.latitude
longitude	9	f9.4	degrees.longitude
date	6	3i2	mo-da-yr
space	1	lx	na
hour	2	i2	na
mixing.height	7	f7.1	meters
stability.class.at.50.meters	7	f7.1	**
inversion.height	7	f7.1	meters
stability.class.at.200.meters	7	f7.1	**

Mixing height discontinued 5/1/79

\*\* 0 stable  
1 unstable

Trailer 20



Cb\_md Formats

Tract: C-b

Monitoring Activity: AIR QUALITY and METEOROLOGY

Format cb2.02\_md, ab223\_md

Period Covered: 11/74 - 5/80

6/80 - 4/81

Parameter	Length	Format	Units
space	1	lx	na
tower	3	i3	na
latitude	9	f9.4	degrees.latitude
longitude	9	f9.4	degrees.longitude
space	1	lx	na
date	6	3i2	mo-da-yr
space	1	lx	na
hour	2	i2	na
bivane.wind.speed.30.ft	7	f7.1	mph
bivane.horizontal.wind.direction.30.feet	7	f7.1	degrees
bivane.vertical.wind.direction.30.feet	7	f7.1	degrees
bivane.wind.speed.100feet	7	f7.1	mph
bivane.wind.direction.100.feet	7	f7.1	degrees
bivane.vertical.wind.direction.100.ft	7	f7.1	degrees
bivane.wind.speed.200.feet	7	f7.1	mph
bivane.horizontal.wind.direction.200.ft	7	f7.1	degrees
bivane.vertical.wind.direction.200.ft	7	f7.1	degrees
wind.direction.standard.deviation.8.feet	7	f7.1	degrees
wind.direction.standard.deviation.30.feet	7	f7.1	degrees
wind.direction.standard.deviation.100.feet	7	f7.1	degrees
wind.direction.standard.deviation.200.feet	7	f7.1	degrees
horiz.wind.direction.standard.deviation.30.feet	7	f7.1	degrees
vert.wind.direction.standard.deviation.30.feet	7	f7.1	degrees
horiz.wind.direc.standard.deviation.100.feet	7	f7.1	degrees
vert.wind.direc.standard.deviation.100.feet	7	f7.1	degrees
horiz.wind.direc.standard.deviation.200.feet	7	f7.1	degrees
vert.wind.direc.standard.deviation.200.feet	7	f7.1	degrees

Tower 223



## Cb\_md Formats

Tract: C-b

Monitoring Activity: AIR QUALITY and METEOROLOGY

Format cb2.01 md, ab123 md

Period Covered: 11/74 - 5/80  
6/80 - 4/81

Parameter	Length	Format	Units
space	1	lx	na
tower	3	i3	na
latitude	9	f9.4	degrees.latitude
longitude	9	f9.4	degrees.longitude
space	1	lx	na
date	6	3i2	mo-da-yr
space	1	lx	na
hour	2	i2	na
wind.speed.8.feet	7	f7.1	mph
wind.direction.8.feet	7	f7.1	degrees
relative.humidity.8.feet	7	f7.1	percent
temperature.8.feet	7	f7.1	degrees.F
wind.speed.30.feet	7	f7.1	mph
wind.direction.30.feet	7	f7.1	degrees
relative.humidity.30.feet	7	f7.1	percent
temperature.30.feet	7	f7.1	degrees.F
wind.speed.100.feet	7	f7.1	mph
wind.direction.100.feet	7	f7.1	degrees
relative.humidity.100.feet	7	f7.1	percent
temperature.100.feet	7	f7.1	degrees.F
wind.speed.200.feet	7	f7.1	mph
wind.direction.200.feet	7	f7.1	degrees
relative.humidity.200.feet	7	f7.1	percent
temperature.200.feet	7	f7.1	degrees.F
delta.temperature.100f-30f	7	f7.1	degrees.F*100
delta.temperature.200f-30f	7	f7.1	degrees.F*100

Tower 123



Cb\_md Formats

Tract: C-b

Monitoring Activity: AIR QUALITY and METEOROLOGY

Formats cbl.04\_md, cbl.05\_md, and cbl.06\_md

Period Covered: 11/74 - 10/76

Parameter	Length	Format	Units
space	1	lx	na
trailer	2	i2	na
latitude	9	f9.4	degrees.latitude
longitude	9	f9.4	degrees.longitude
space	1	lx	na
date	6	3i2	mo-da-yr
space	1	lx	na
hour	2	i2	na
sulfur.dioxide	7	f7.1	ppb
wind.speed.30.feet	7	f7.1	mph
wind.direction.30.feet	7	f7.1	degrees
relative.humidity	7	f7.1	percent
temp.inside.trailer	7	f7.1	degrees.F
temp.30.feet	7	f7.1	degrees.F
hydrogen.sulfide	7	f7.1	ppb
line.voltage	7	f7.1	-
barometric.pressure	7	f7.1	Langleys
wind.standard.deviation	7	f7.1	degrees
precipitation	7	f7.1	inches*100

Trailers 21, 22 & 24





## Cb\_md Formats

Tract: C-b

Monitoring Activity: AIR QUALITY and METEOROLOGY

Formats cbl.02\_md, cbl.03\_md, ab20\_md, ab23\_md

Period Covered: 11/74 - 05/80

06/80 - 04/81

Parameter	Length	Format	Units
space	1	1x	na
trailer	3	i3	na
space	2	2x	na
latitude	8	f8.4	degrees.latitude
space	2	2x	na
longitude	8	f8.4	degrees.longitude
space	2	2x	na
date	6	3i2	mo-da-yr
space	2	2x	na
hour	2	12	hr
NOx	8	f8.1	ppb
NO	8	f8.1	ppb
OS2	8	f8.1	ppb
wind.speed.30.ft	8	f8.1	mph
wind.direction.30.feet	8	f8.1	degrees
relative humidity	8	f8.1	percent
temp.inside.trailer	8	f8.1	degrees.F
temp.30.feet	8	f8.1	degrees.F
solar.radiation	8	f8.1	Langleys
H2S	8	f8.1	ppb
line.voltage	8	f8.1	-
thc	8	f8.1	ppb
CH4	8	f8.1	ppb
CO	8	f8.1	ppb
O3	8	f8.1	ppb
barometric.pressure	8	f8.1	Millibars
wind.standard.deviation	8	f8.1	degrees
precipitation	8	f8.1	inches*100
NO2	8	f8.1	ppb
non-methane.hydrocarbons	8	f8.1	ppb

Trailer 20 &amp; 23



Cb\_md Formats

Tract: C-b

Monitoring Activity: AIR QUALITY and METEOROLOGY

cb2.04\_md format

Period Covered: trailer ab20 9/74-10/76      2/78-6/80

ab21 9/74-10/76

ab22 9/74-10/76

ab24 9/74-10/76

ab23 9/74-6/80

ad42 2/78-1/69

ad56 2/78-6/80

Parameter	Length	Format	Units
space	1	lx	na
date	6	3i2	mo-da-yr
latitude	9	f9.4	degrees.latitude
longitude	9	f9.4	degrees.longitude
particulate	7	f7.1	µg/m3

repeat for each station for each date

level: 0-0  
Monitoring Activity: AIR QUALITY and METEOROLOGY  
CP: 04 no format

Period Covered: Station: 2178-0180  
2178-0180  
2178-0180  
2178-0180  
2178-0180  
2178-0180  
2178-0180  
2178-0180  
2178-0180  
2178-0180  
2178-0180

Parameter	Length	Format	Units
space	1	I2	na
date	6	312	mm-dd-yy
latitude	9	E9.4	degrees latitude
longitude	9	E9.4	degrees longitude
particulate	7	E7.1	ug/m3

Report for each station for each date

Cb\_md Formats

Tract: C-b

Monitoring Activity: AIR QUALITY and METEOROLOGY  
 PARTICULATE DATA  
 TRAILER AB20, AB23, AB56

Format: partab20\_md

Period Covered: 06/80 - 04/81

Parameter	Length	Format	Units
space	1	lx	na
date	6	312	mo-da-yr
space	1	lx	na
particulate AB20	7	f7.1	ug/m <sup>3</sup>
particulate AB23	7	f7.1	ug/m <sup>3</sup>
particulate AB56	7	f7.1	ug/m <sup>3</sup>

Trace: 0-0  
 Monitoring Activity: AIR QUALITY and METEOROLOGY  
 PARTICULATE DATA  
 TRAILER AND, AB23, AB26

Format: particulate  
 Period Covered: 00/80 - 04/81

Parameter	Length	Format	Units
particulate AB20	7	F7.1	ug/m <sup>3</sup>
particulate AB23	7	F7.1	ug/m <sup>3</sup>
particulate AB26	7	F7.1	ug/m <sup>3</sup>
date	6	D12	mm/dd/yy
time	1	I2	hr

Cb\_md Formats

Tract: C-b

Monitoring Activity: AIR QUALITY and METEOROLOGY  
EVAPORATION DATA

Format: evap\_ab23 md

Period covered: 5/78 - 4/81

Parameter	Length	Format	Units
space	1	lx	na
trailer	4	a4	Alpha
Date	6	3i2	mo-da-yr
evaporation.average	8	f8.3	(cm)
evaporation.total	8	f8.3	(cm)
wind.average	7	f7.1	km/hr
wind.total	7	f7.1	km/hr

Monitoring activity: AIR QUALITY and METEOROLOGY  
 EVAPORATION DATA

Period covered: 2/75 - 2/81  
 Format: evap.tbl

Parameter	Length	Format	Units
wind.total	7	F7.1	km/hr
wind.average	7	F7.1	km/hr
evaporation.total	8	F8.3	(cm)
evaporation.average	8	F8.3	(cm)
del.	8	F8.3	no-da-yr
trialer	4	A4	Alpha
precip	1	J1	no



Cb\_md Formats

Tract: C-b  
 Monitoring Activity: TERRESTRIAL  
 Format: cb3.10 md  
 Period Covered: 10/77 - 5/80

Parameter	Length	Format	Units
station	2	a2	na
station.number	2	i2	na
latitude	8	f8.4	degrees.latitude
longitude	8	f8.4	degrees.longitude
space	1	lx	na
date	6	3i2	mo-da-yr
space	1	lx	na
weather.conditions	20	a20	descriptive
number.vehicles	5	i5	if.available
number.road.kill	6	i6	na
age	10	a10	na
sex	2	a2	na

Year: 0-8  
 Monitoring Activity: TERRSTRAL  
 Format: rpl.10 m  
 Period Covered: 10/77 - 2/80

Parameter	Length	Format	Units
station	3	a5	na
station number	3	15	na
latitude	8	18.4	degrees, latitude
longitude	8	18.4	degrees, longitude
space	1	1r	na
date	6	yy-mm-dd	na
space	1	1r	na
weather.conditions	20	a30	descriptive
number.vehicles	5	15	11, avail table
number.road.kills	5	15	na
azr	10	a10	na
azr	3	a5	na

Cb\_md Formats

Tract: C-b  
 Monitoring Activity: TERRESTRIAL  
 Format: range\_md  
 Period Covered: 9/75 - 5/81

Parameter	Length	Format	Units
space	1	lx	na
trailer	4	a4	na
space	1	lx	na
date	6	3I2	mo-da-yr
space	1	lx	na
range	6	f6.1	na

Target: O-1  
Housing Agency: TERRITORIAL  
Format: range and  
Listed Countries: 913 - 9181

Parameter	Length	Format	Units
space	1	ix	na
trial	4	aa	na
space	1	ix	na
date	6	312	na-12-yr
space	1	ix	na
range	6	10.1	na

Cb\_md Formats

Tract: C-b  
 Monitoring Activity: TERRESTRIAL  
 Format: cb3.06 md, traffic md  
 Period Covered: 2/80 - 4/80  
 2/80 - 4/81

Parameter	Length	Format	Units
station	4	a4	na
latitude	8	f8.4	degrees.latitude
longitude	8	f8.4	degrees.longitude
month	2	i2	mo
day	2	i2	da
year	2	i2	yr
space	1	lx	na
hour	2	i2	hr
number.incoming.vehicles	5	i5	na
number.outgoing.vehicles	5	i5	na

Track: G-D  
Mondstunde AMT/STY - TERRESTRIAL  
Format: ch.10 and. 10.10.10  
Period: 2/80 - 4/80  
2/80 - 4/80

Parameter	Length	Format	Notes
station	4	aa	na
latitude	8	EB.A	degrees, latitude
longitude	8	EB.A	degrees, longitude
month	2	12	mo
day	2	12	da
year	2	12	yr
space	1	12	na
hour	2	12	hr
number, incoming, vehicles	2	12	na
number, outgoing, vehicles	2	12	na

Cb\_md Formats

Tract: C-b  
 Monitoring Activity: TERRESTRIAL  
 Format: cb3.08 md, deerc md  
 Period Covered: 9/77 - 5/80  
 6/80 - 5/81

Parameter	Length	Format	Units
station	2	a2	na
station.number	2	i2	na
latitude	8	f8.4	degrees.latitude
longitude	8	f8.4	degrees.longitude
space	1	lx	na
date	6	3i2	mo-da-yr
weather.condition	20	a20	descriptive
deer.count	6	i6	na

Tract: 0-0  
 National Highway: TARRANTIA  
 Point: 01.02 mi. West of  
 Point Government 017 - 010  
 010 - 011

Parameter	Length	Format	Units
station	1	01	na
station number	1	11	na
latitude	8	08.4	degrees, latitude
longitude	8	08.4	degrees, longitude
space	1	1x	na
date	8	017	yy-mm-yy
weather condition	20	010	descriptive
deck count	8	10	na



Cb\_md Formats

Tract: C-b  
 Monitoring Activity: TERRESTRIAL  
 Format: deerk md  
 Period Covered: 6/80 - 5/81

Parameter	Length	Format	Units
station	2	a2	na
station.number	2	i2	miles
latitude	8	f8.4	degrees
longitude	8	f8.4	degrees
space	1	lx	na
date	6	3I2	mo-da-yr
space	1	lx	na
weather.condition	20	a20	descriptive
space	5	5x	na
number.road kill	6	i6	count
age	10	a10	na
sex	2	a2	na

same as Cb3.10\_md except for # vehicles

Street 0-0  
 Department Activity: TERRITORIAL  
 Period Covered: 1980 - 1981

Parameter	Length	Format	Units
sex	2	a2	na
age	10	a10	na
number, road kill	6	i6	count
space	2	2x	na
weather, condition	20	a20	descriptive
space	1	ix	na
date	6	313	no-da-yr
space	1	ix	na
longitude	8	f8.4	degrees
latitude	8	f8.4	degrees
station, number	2	i2	alphanumeric
station	2	a2	na

same as C07.10 and except for 4 vehicles

Cb\_md Formats

Tract: C-b  
 Monitoring Activity: TERRESTRIAL  
 Format: bird\_md  
 Period Covered: 77 - 80

Parameter	Length	Format	Units
space	1	lx	na
transect	2	i2	number
space	1	lx	na
year	2	i2	yr
space	1	lx	na
group.number	2	i2	na
space	1	lx	na
species	6	a6	na
space	1	lx	na
bird.count	4	i4	na

Tract: G-4  
Monitoring Activity: TERRESTRIAL  
Forest: Bird and  
Period Covered: '78 - '80

Parameter	Length	Format	Units
bird count	4	14	na
species	1	12	na
species	6	10	na
species	1	12	na
group number	2	13	na
species	1	12	na
year	2	13	yr
species	1	12	na
species	1	12	na
species	2	13	number
species	1	12	na

Cb\_md Formats

Tract: C-b

Monitoring Activity: HYDROLOGY - Water Levels Data

Format: waterl\_md

Period Covered: 9/74 - 5/81

Parameter	Length	Format	Units
space	1	lx	na
location	4	a4	alpha
space	1	lx	na
date	6	3i2	mo-da-yr
space			
well.status	6	a6	
water.level.elev.or.waterflow	10	f10.4	ft.from.mean.sea. level.or.CFS
water.temp	6	f6.1	deg.C
ph	5	f5.1	units
dissolved.oxygen	6	f6.1	mg/l
conductivity	7	f7.1	umhos

\*well & spring status codes are:

divert - water.diverted.for.irrigation

dry - spring.or.well.dry

flowing - well.flowing

froze - spring.frozen

inaccs - site.inaccessible

leaking - flume.leaking

no.flme - no.flume

ns - not.sampled

plugged - well.plugged

pump - pump.in.well

\*\*a neg value indicates surface elevation of well not surveyed, value is depth from surface



Cb\_md Formats

Tract: C-b  
 Monitoring Activity: HYDROLOGY  
 cb3.04\_md format  
 Period Covered: 9/74 - 5/80

Parameter	Length	Format	Units
location	4	a4	na
latitude	8	f8.4	degrees.latitude
longitude	8	f8.4	degrees.longitude
month	2	i2	mo
day	2	i2	da
year	2	i2	yr
well.status	6	a6	descriptive
water.level.elevation.or.water.flow	7	f7.2	ft-msl-or-cfs
water.temperature	5	f5.1	degrees.C
ph	4	f4.1	na
dissolved.oxygen	5	f5.1	mg/l
conductivity	6	f6.1	umhos

Well and spring status codes are:

divert \_ water diverted for irrigation  
 dry \_ spring or well dry  
 flours \_ flows not sampled  
 flwing \_ well flowing  
 froze \_ spring frozen  
 inaccs \_ site inaccessible  
 leakng \_ flume leaking  
 noflme \_ no flume  
 ns \_ not sampled  
 plugged \_ well plugged  
 pump \_ pump in well

A neg value indicates surface elevation of well not surveyed, value is depth from surface.





## Cb\_md Formats

Tract: C-b  
 Monitoring Activity: HYDROLOGY  
 cb3.02\_md format  
 Period Covered:

Parameter	Length	Format	Units
record.no	1	i1	na
location	4	a4	na
latitude	8	f8.4	degrees.latitude
longitude	8	f8.4	degrees.longitude
month	2	i2	na
day	2	i2	na
year	2	i2	na
alkalinity	7	f7.1	mg/l.as.CaCO3
aluminum	6	f6.3	mg/l
arsenic	5	f5.3	mg/l
fecal.coliform.bacteria	4	f4.1	colonies/100ml
barium	5	f5.2	mg/l
bicarbonate	7	f7.1	mg/l.as.CaCO3
biological.oxygen.demand(5-day)	6	f6.1	mg/l
boron	6	f6.2	mg/l
bromide	6	f6.3	mg/l
total.coliform	7	f7.1	colonies/100ml
cadmium	6	f6.3	mg/l
calcium	6	f6.1	mg/l
carbonate	6	f6.1	mg/l.as.CaCO3
chloride	7	f7.1	mg/l
chromium	6	f6.3	mg/l
chemical.oxygen.demand	7	f7.1	mg/l
copper	6	f6.3	mg/l
dissolved.oxygen	4	f4.1	mg/l
dissolved.organic.carbon	5	f5.1	mg/l
surfactants	6	f6.2	mg/l
fluoride	6	f6.2	mg/l
hardness(Ca+Mg)	7	f7.1	mg/l.as.CaCO3
iron	5	f5.2	mg/l
kjeldahl.nitrogen	5	f5.1	mg/l.as.N
lead	6	f6.3	mg/l

A negative value indicates a less than value.

A zero value indicates analysis not performed.



## Cb\_md Formats

Tract: C-b  
 Monitoring Activity: HYDROLOGY  
 cb3.02\_md format  
 Period Covered: 10/71 - 5/80

Parameter	Length	Format	Units
Record 2			
record.no.2	1	i1	na
location	4	a4	na
latitude	8	f8.4	degrees.latitude
longitude	8	f8.4	degrees.longitude
month	2	i2	mo
day	2	i2	da
year	2	i2	yr
lithium	5	f5.2	mg/l
magnesium	5	f5.1	mg/l
manganese	6	f6.3	mg/l
mercury	8	f8.5	mg/l
molybdenum	6	f6.3	mg/l
nickel	6	f6.3	mg/l
nitrate	6	f6.2	mg/l
oil.and.grease	5	f5.1	mg/l
S203	5	f5.1	mg/l
ph	3	f3.1	units
potassium	5	f5.1	mg/l
radioactivity-alpha	5	f5.1	pci/l
radioactivity-beta	5	f5.1	pci/l
radioactivity-radium-226	5	f5.1	pci/l
selenium	6	f6.3	mg/l
silver	6	f6.3	mg/l
sodium	7	f7.1	mg/l
total-dissolved-solids	7	f7.1	mg/l
soluble.solids	7	f7.1	mg/l
conductivity	7	f7.1	pmhos
strontium	4	f4.1	mg/l
sulfate	6	f6.1	mg/l
temperature	4	f4.1	degrees.C
zinc	6	f6.3	mg/l
total.organic.carbon	5	f5.1	mg/l
phenols	6	f6.4	mg/l
cyanide	6	f6.3	mg/l



## Cb\_md Formats

Tract: C-b  
 Monitoring Activity: HYDROLOGY  
 cb3.02\_md format  
 Period Covered: 10/74 - 5/80

Parameter	Length	Format	Units
Record 3			
record.no.3	1	i1	na
location	4	a4	na
latitude	8	f8.4	degrees.latitude
longitude	8	f8.4	degrees.longitude
month	2	i2	mo
day	2	i2	da
year	2	i2	yr
ammonia	8	f8.3	mg/l
phosphate	6	f6.2	mg/l
silica	6	f6.1	mg/l
uranium	5	f5.3	mg/l
suspended.solids	7	f7.1	mg/l
thorium	6	f6.3	mg/l
cesium	6	f6.3	mg/l
iodine	6	f6.3	mg/l
antimony	6	f6.3	mg/l
zirconium	6	f6.3	mg/l
yttrium	5	f5.3	mg/l
rubidium	6	f6.3	mg/l
germanium	6	f6.3	mg/l
gallium	6	f6.3	mg/l
titanium	6	f6.3	mg/l
scandium	6	f6.3	mg/l
tungsten	6	f6.3	mg/l
cobalt	6	f6.3	mg/l
vanadium	6	f6.3	mg/l
beryllium	5	f5.3	mg/l
hydroxides	5	f5.1	mg/l
cond.hydrocarbons	7	f7.3	mg/l
p.alkalinity	7	f7.1	mg/l
mo.alkalinity	7	f7.1	mg/l



Presently UA & UB data is in SAROAD format Baseline only - stored as received.

File 1	Nov. 1974 - Dec. 1974	AQ & Met.
2	Jan. 1975 - Dec. 1975	AQ & Met.
3	Jan. 1976 - Jan. 1977	AQ & Met.
4	Total suspended particulate data	
	Nov. 1974 - Jan. 1977	

