Intertidal Organisms and Habitats (File 030)

File Structure -

Seven 122-character records:

(1) File Header Record
(2) Station Header Record
(3) Site Header Record
(4) Composite Data Record
(5) Individual Sample Record
(6) Profile Data Record
(7) Text Record

File Format -

PARAMETER	DESCRIPTION	SC	FL
FILE HEADER RECORD			
NODC file number	always '030'	1	3
NODC track number	6-char unique cruise or data set identifier assigned by NODC	4	6
Record number	always **'1'**	10	1
Vessel name/field unit	11-char field for platform identification	11	11
Cruise number	6-char field assigned by the originator	22	6
Start date (GMT)	YYMMDD	28	6
End date (GMT)	YYMMDD	34	6
Senior scientist	19-char field for senior scientist or team leader	40	19
Investigator/institution	64-char field for investigator and/or institution name	59	64
STATION HEADER RECORD			
NODC file number	always '030'	1	3
NODC track number	**6-char unique cruise or data set identifier**	**4**	**6**
Record number	always **'2'**	10	1
Station number	**5-char field assigned by the originator also included on record types 3, 4, 5, 6, 7**	**11**	**5**
Sequence number	XXXX-used for sorting data records also included on record types 3, 4, 5, 6, 7	16	4
Latitude	**DDMMXX (degrees, minutes to hundredths)**	**20**	**6**
Latitude hemisphere	**1-char code - 'N' or 'S'**	**26**	**1**
Longitude	**DDDMMXX (degrees, minutes to hundredths)**	**27**	**7**
Longitude hemisphere	**1-char code - 'E' or 'W'**	**34**	**1**

Date	**YYMMDD**	**35**	**6**	
Start time (GMT)	XXXX (hours and minutes)	41	4	
Elapsed time (GMT)	XXXX (hours and minutes)	45	4	
Time zone	2-digit field preceded by + or - sign to indicate geographic time zone	49	3	
Surface salinity	XXXX (parts per thousand to thousandths)	52	5	
Surface temperature	XXXX - negative temperatures are preceded by a minus sign adjacent to temperature value (deg C to hundredths)	57	5	
Air temperature	XXXX -negative temperatures are preceded by a minus sign adjacent to temperature value (deg C to hundredths)	62	4	
Secchi disc depth	XXX (meters to tenths)	66	3	
Weather	2-char code - use NODC code 0159	69	2	
Cloud type	1-char code - use NODC code 0053	71	1	
Cloud amount	1-char code - use NODC code 0105	72	1	
Wind speed	XX (whole knots)	73	2	
Wind direction	XXX(degrees - direction from)	75	3	
Sea state	1-char code - use NODC code 0109	78	1	
Breaker height	1-char code - use NODC code 0109	79	1	
Exposure direction	XXX (degrees)	80	3	
Substrata type-tertiary	1-char code - use NODC code 0103	83	1	
Substrata type-secondary	1-char code - use NODC code 0103	84	1	
Substrata type-primary	1-char code - use NODC code 0103 there may be a combination of up to 3 substrata type codes. Code from right to left, with most predominant on the right	85	1	
Barometric pressure	XXX (milibars to tenths)	86	4	
Habitat geomorphic	**1-char code - use NODC code 0098**		**90**	**1**
Habitat composition	1-char code - use NODC code 0008	91	1	
Habitat cover	1-char code - use NODC code 0009	92	1	
Habitat slope	1-char code - use NODC code 0071	93	1	
Secchi disc visibility	1-char code - use NODC code 0220	94	1	
Salinity method	1-char code - ('P'=practical salinity, 'S'=salinity, blank=not specified)	95	1	
Station identifier	10-char originator station identifier	96	10	
Blanks		106	17	

SITE HEADER RECORD

NODC file number	always '030'	1	3
NODC track number	6-char unique cruise or data set identifier	4	6
Record number	always '3'	10	1
Station number	5-char field assigned by the originator		

	also included on record types 2, 4, 5, 6, 7	11	5
Sequence number	XXXX-used for sorting data records also included on record types 2, 4, 5, 6, 7	16	4
Catalog number	8-char field for the originator's internal number	20	8
Photograph number	10-char field for the originator's internal number	28	10
Gear type	1-char code - use NODC code 0010	38	1
Transect number	2-char field assigned by the originator	39	2
Transect direction	XXX(degrees toward)	41	3
Meter number	4-char field determined by the originator	44	4
Zone/arrow/no. of sample	3-char field determined by the originator	48	3
Quadrant size	XXXXX (square meters to thousandths)	51	5
Elevation	XXXX (meters to hundredths) - preceded by a minus sign for samples collected below water level	56	4
Substrata type-tertiary	**1-char code - use NODC code 0103**	**60**	**1**
Substrata type-secondary	**1-char code - use NODC code 0103**	**61**	**1**
Substrata type-primary	**1-char code - use NODC code 0103**	**62**	**1**
	there may be a combination of up to 3 substrata type codes. Code from right to left, with most predominant on the right		
Surface topography III	same coding scheme as substrata type - use NODC code 0011	63	1
Surface topography II	same as above	64	1
Surface topography I	same as above	65	1
Collection Time (GMT)	XXXX (hours and minutes)	66	4
Sieve size	XXXX (millimeters to hundredths)	70	4
Dilution volume	XXX (to thousands) That portion of a sample expressed in decimal equivalents which is analyzed after the sample has been diluted, as a means of statistically estimating the composition of the sample without having to examine the entire sample.	74	3
Quadrant slope	XX (degrees)	77	2
Direction of quadrant slope	XXX (degrees toward)	79	3
Grab number	XX - sequential order of multiple digs assigned by the originator	82	1
Sediment	XXXXXXX (liters to thousandths)	84	7
Mean grain size	2-digit field - Phi grade scale based on the negative logarithm to the base 2 of the particle diameter in millimeters. - minus Phi must be reported with a minus sign in col 91	91	2
Patch grid size	XXXXX (square meters to the thousandths)	93	5
Medium frame multiple	XX - number of grids occupied by all species within	98	2
Large frame multiple	XX - number of grids occupied by all species within	100	2

Total work area	XXXXX (square meters to thousandths)	102	5
Depth	**XXX X - depth of sample (meters to tenths)**	**107**	**5**
Distance of net tow	XXX (meters to tenths) - see col 118	112	3
Large sample quadrant	XXX (square meters to tenths)	115	3
Distance of net tow	XXX - to be used for distances of 100m or more (whole meters)	118	3
Blanks		121	2

COMPOSITE DATA RECORD

NODC file number	always '030'	1	3
NODC track number	6-char unique cruise or data set identifier	4	6
Record number	always **'4'**	10	1
Station number	5-char field assigned by the originator also included on record types 2, 3, 5, 6, 7	11	5
Sequence number	XXXX-used for sorting data records also included on record types 2, 3, 5, 6, 7	16	4
Taxonomic code	**12-char code - use NODC taxonomic code**	**20**	**12**
Sex	1-char code - use NODC code 0101	32	1
Condition III	1-char code - use combination of up to 3 condition codes - code from right to left use code NODC 0069	33	1
Condition II	same as above	34	1
Condition I	same as above	35	1
Coverage	XXX - the percentage of the quadrant covered by species too small to be counted or too well attached to the substrate to be removed (whole percent)	36	3
Count	**XXXXX - total number of individuals (for each species**	**39**	**5**
Wet weight	**XXXXXXX (grams to thousandths)**	**44**	**7**
Dry weight	**XXXXXXX (grams to thousandths)**	**51**	**7**
Minimum length	XXXXXX (millimeters to hundredths)	58	6
Maximum length	XXXXXX (millimeters to hundredths)	64	6
Displacement volume	XXXXX (millimeters to tenths)	70	5
Mean length	XXXXXX (millimeters to hundredths)	75	6
Minimum width	XXXXXX (millimeters to hundredths)	81	6
Maximum width	XXXXXX (millimeters to hundredths)	87	6
Mean width	XXXXXX (millimeters to hundredths)	93	6
Minimum age	XX (years)	99	2
Maximum age	XX (years)	101	2
Mean age	XX (years)	103	2
Small frame	XXX - number of grids occupied by species within	105	3
Medium frame	XXX - number of grids occupied by species within	108	3

Large frame	XX - number of grids occupied by species within	111	2
Dilution volume	XXX (to thousands) That portion of a sample expressed in decimal equivalents which is analyzed after the sample has been diluted, as a means of statistically estimating the composition of the sample without having to examine the entire sample.	113	3
Plant height	XX - for plants less than 100cm in height (whole centimeters)	116	2
Starfish measurements	1-char code - use when starfish measurements (cols 58-69, 75-80) are reported. Use NODC code 0070	118	1
Plant height	XXXX - plant heights that exceed 99 cm (whole cms)	119	4

INDIVIDUAL SAMPLE DATA

NODC file number	always '030'	1	3
NODC track number	6-char unique cruise or data set identifier	4	6
Record number	always **'5'**	10	1
Station number	5-char field assigned by the originator also included on record types 2, 3, 4, 6, 7	11	5
Sequence number	XXXX-used for sorting data records also included on record types 2, 3, 4, 6, 7	16	4
Taxonomic code	12-char code - use NODC taxonomic code	20	12
Sex	1-char code - use NODC code 0101	32	1
Condition III	1-char code - use combination of up to 3 condition codes - code from right to left use NODC code 0069	33	1
Condition II	same as above	34	1
Condition I	same as above	35	1
Age	XX (years)	36	2
Wet weight	XXXXXXX (grams to thousandths)	38	7
Dry weight	XXXXXXX (grams to thousandths)	45	7
Length	XXXXXX (millimeters (to hundredths))	52	6
Width	XXXXXX (millimeters (to hundredths))	58	6
Displacement volume	XXXXX (milliliters to tenths)	64	5
Starfish measurements	1-char code - use when starfish measurements (cols 52-53) are reported - use NODC code 0070	69	1
Blanks		70	53

PROFILE DATA RECORD

NODC file number	always '030'	1	3
NODC track number	6-char unique cruise or data set identifier	4	6
Record number	always **'6'**	10	1
Station number	5-char field assigned by the originator also included on record types 2, 3, 4, 5, 7	11	5
Sequence number	XXXX-used for sorting data records also included on record types 2, 3, 4, 5, 7	16	4
Oxygen	XXX (milliliters per liter to tenths)	20	3
PH	XX (to tenths)	23	2
PH scale	1-char code - use NODC code 0183	25	1
Salinity	**XXX (parts per thousand to tenths)**	**26**	**3**
Interstitial salinity	XXX (parts per thousand to tenths)	29	3
Permafrost depth	XX (meters to tenths)	32	2
Water temperature	**XXX - negative temperatures are preceded by a minus sign adjacent to temperature value (deg C to tenths)**	**34**	**3**
Secchi disk depth	XXXX (meters to hundredths)	37	4
Grain size in Phi unit			
Levels greater than -8	XXX (percent by weight to tenths)	41	3
-8 to -6	XXX (percent by weight to tenths)	44	3
-6 to -4	XXX (percent by weight to tenths)	47	3
-4 to -2	XXX (percent by weight to tenths)	50	3
-2 to -1	XXX (percent by weight to tenths)	53	3
-1 to 0	XXX (percent by weight to tenths)	56	3
0 to 1	XXX (percent by weight to tenths)	59	3
1 to 2	XXX (percent by weight to tenths)	62	3
2 to 3	XXX (percent by weight to tenths)	65	3
3 to 4	XXX (percent by weight to tenths)	68	3
Less than 4	XXX (percent by weight to tenths)	71	3
Salinity method	1-char code - use NODC code 0502	74	1
Blanks		75	48

TEXT RECORD

NODC file number	always '030'	1	3
NODC track number	6-char unique cruise or data set identifier	4	6
Record number	always **'6'**	10	1
Station number	5-char field assigned by the originator also included on record types 2, 3, 4, 5, 6	11	5
Sequence number	XXXX-used for sorting data records also included on record types 2, 3, 4, 5, 6	16	4
Text	103-char field for comments or pertinent information	20	103