

0 toos

0 - SE

2 S

0 - S

4 S

0 - S

6 S

0 - 9

8 S

0 - 9

10 S

0 - 9

Line 6 + 8 have
road access.

Tam 91 GRID
South Extension
to Be ENTERED

- Entered -

Rainbow -
Tam D'shant
825032

May 31, 1981

Tam 91 Grid

Soil Sampling

Line 05 40-SE

25 40-SE

1CTMS001

<u>Variable</u>	<u>South</u>	<u>East</u>	<u>Number</u>
-----------------	--------------	-------------	---------------

Sample	05	500E	1CTMS001
--------	----	------	----------

Depth	15 cm		
-------	-------	--	--

Color	BRN		
-------	-----	--	--

Moisture (M)	1		
--------------	---	--	--

S	0	47SE	1CTMS002
---	---	------	----------

D	27 cm		
---	-------	--	--

C	OR ORANGE/BRN		
---	--------------------------	--	--

M	1-2		
---	-----	--	--

S	0	460	1CTMS003
---	---	-----	----------

D	15 cm		
---	-------	--	--

C	BRN/OR.		
---	---------	--	--

M	1		
---	---	--	--

11/25/1981

Notes.

- shallow slope to northeast $\approx 10^\circ$
- drains steep sided topo high
- few rocks in sample
- well developed "B" p
- 25° slope to north on flank of topo high
- rocky upper horizon
- some clay.
- good "B" f; - 25° northward slope; few rocks

	North	East	
S	05	125	1CTMS004
D	13	CM	
C	or	Brn	
M	1/2		
S	05	400	1CTMS005
D	15	cm	
C	Brn		
M	1/2		
S	05	375	1CTMS006
D	20	cm	
C	Brn - or	Brn	
M	1		
S	05	350,	1CTMS007
D	15	cm	
C	Brn / or	Brn	
M	1		
S	05	305	1CTMS008
D	12	cm	
C	Brn		
M	1		

- 10° northward slope

- good "B₁"

- moderately developed "B"

- 5° northward slope

- some organics (grass roots)

- no rocks

- 5° northward slope

5° northward slope

- extremely rocky (volcanics)

- 2° northward slope

North Coast

S	OS	300	1CTMS009
D		15cm	
C		lt. Or/Brn	
M		2-3	
S	OS	275	1CTMS010
D		20cm	
C		Or/Brn	
M		2	
S	OS	250	1CTMS011
D		15cm	
C		or drk Or/Brn	
M		1	
S	OS	225	1CTMS012
D		10cm	
C		lt. Brn	
M		2	
S	O	200	1CTMS013
D		5cm	
C		Brn, Drk Brn	
M		1-2	

- 10-15° Westward slope.

- clay rich soil.

- no rocks

- 15° West Northwest slope

- good "B" developed.

- 10-15° N-NW slope

- few rocks.

• poorly developed clay rich

- in gully (N trending)

- 10° Northwest slope

• poorly developed, bedrock at \approx 8cm

- on north plunging ridge crest (10°)

	North	Eggs d.		
S	0	75	1	CTMS 014
D	2-3	cm		
C	drk	Brn		
M	2			
S	0	150	1	CTMS 015
D	30 32	cm		
C	or	Brn		
M	4			
S	0	125	1	CTMS 016
D	20	cm		
C	4	Brn		
M	12	1-2		
S	0	100	1	CTMS 017
D	15	cm		
C	or	Brn		
M	1			
S	0	75	1	CTMS 018
D	18	cm		
C	Brn			
M	1			

- very poor sample; no "B", organic
rich "A" sampled above
bedrock - (~~grit~~ rich sed, granite?).
Tertiary

- extremely rocky soil
- clay rich
- 20° Northward
slope

- very rocky soil
- 10-15° - Northward
slope.

- 10° - 15° northward
slope
- moderately rocky
soil.

- very poor soil
- 20° west NW slope

	North	East	#	
S	0	020	019	Very poor soil
D	25cm	-15° Westward		
C	yBr	slope		
M	1	-rocky soil		
S	0	025	020	-sandy/clayey
D	18	-10° Westward slope		
C	G/Brn	-grass roots in soil		
M	1	-good "B"		
S	0	020	021	-sandy clayey
D	18	-10° westward slope		
C	Brn-G/Brn	-moderate "B"		
M	1			
S	2005	020	022	
D	No sample!			
C	Talus slope, no			
M	soil.			
S	2005	025	023	very poor soil
D	4cm	on talus at base of		
C	G/Brn	cliffs; 30° Westward		
M	1	slope		

- very poor sample; no "B", organic
rich "A" sampled above
bedrock - (qtz rich sed, g. silt?).
Tertiary

- extremely rocky soil
- clay rich
- 20° Northward
slope

- very rocky soil
- 10°-15° Northward
slope.

- 10°-15° northward
slope
- moderately rocky
soil.

- very poor soil
- 20° west NW slope

	North	East	#	
S	2005	050	024	No sample Cliffs.
D				
C				
M				
S	200	075	025	rocky soil
D	4cm	close to bedrock		
C	yBr	- fairly flat area.		
M	1			
S	200	100	026	poorly
D	15cm	developed close		
C	Brn/4Brn	to bedrock		
M	2	- 10° east-southwest slope.		
S	200	125	027	clayey
D	15cm	soil, 2° slope		
C	lt. Brn	westward.		
M	1			
S	200	150	028	clayey
D	20	extremely rocky		
C	Brn-or/Brn	- 2° westward slope		
M	2			

North East #

S	2005	175	029	clay rich
D	17cm	- flat ridge top		
C	or/Brn			
M	1			
S	2005	200	030	- clay rich
D	18cm	5° slope eastward		
C	or/Br	to small gully bottom		
M	3	trending N-S.		
S	2005	225	031	5° slope
D	12cm	westward to small		
C	or/Br	gully		
M	1			
S	2005	250	032	5°
D	25cm	westward slope		
C	Brn-yBr	- sandy/silty		
M	1	not well developed soil.		
S	200	275	033	- ridge crest
D	22cm	2° northward slope		
C	or-Brn			
M	1			

	North	Foot	#	
S	200	300	034	-taken 10m
D	15cm	south of stn, very		
C	yBr	rocky, 1		
M	1	2° westward slope		

S	205	325	035	-10m
D	10	lying area		
C	Rd/or/Br			
M	1			

S	200	350	036	-2° westward
D	13	slope		
C	H. yBr	-poorly developed		
M	1	profile.		

S	200	375	037	
D	30	15° westward		
C	BrN	slope		
M	1			

S	200	400	038	
D	16	5° westward		
C	DrBr	slope.		
M	1			

	N	E	#	
S	2005	425	039	
A	13	10° N.W slope		
C	gr Br			
M	1			
S	2005	480	040	15°
D	30	Northward		
C	Y Br	slope - very poor		
M	3-4/	profile - possibly seepage area		
S	2005	475	041	15° Northward
D	15cm	slope		
C	Brn	not well developed		
M	1	"B"		
S	2005	500	042	
D	15	-3° Northward		
C	O Br	slope		
M	1	- good "B"		

	N	E	#	
S	6005	750	043	-very
D	13cm	poor rocky soil.		
C	Br, Bk			
M	1			

S	600	775	044	10° slope
D	17cm	eastward		
C	or Brn	good "B".		
M	1	few rocks.		

S	600	800	045	taken 10m
D	19	W of student road		
C	Drk Br/Brn	- good "B".		
M	1			

S	600	825	046	-3° slope
D	15	eastward		
C	4/Brn	good "B" horizon.		
M	1			

S	600	850	047	-taken near
D	30	road		
C	Brn	- moderate B horizon		
M	1			

	N	E	#	
S	6005	875	048	- taken 10m
D	32cm	away from road;		
K	9/Bm	5° eastward slope;		
M	1	good "B" horizon.		
S	6005	900	049	- ^{break} base of
D	21	fairly steep slope		
C	Drk or/bm	- good "B"		
M	1	- 10-15° slope eastward		

* hold line 7W, 125N,
of Wild Rose Grid
at 785E on line 6S

~~June 1, 1981~~~~Jan 91 grid~~~~South extension~~

June 1, 1991

Tan 91 South grid extension

	N	E	#
S	1000S	275	1CTMS050

D 22

C or / Brn

M 1

S	1000S	250	1CTMS051
---	-------	-----	----------

D 25

C Brn

M 1

S	1000S	225	1CTMS052
---	-------	-----	----------

D 15cm

C yBr - or Brn

M 1

S	1000S	200	1CTMS053
---	-------	-----	----------

D 20cm

C Brn; or Brn

M 1

- very rocky soil, @ base to bedrock
- 10° South westward slope; good "B"
- ~~no~~ "B"; sandy soil
- flat lying area.

- fairly good "B"
- sandy soil; 32° Westward dipping slope.

- moderate "B"; flat lying area; sandy soil.

	N	E	#
S	1000S	175	1CTMS054
D	5cm		
C	Or/Brn		
M	1-2		
S	1000S	130	1CTMS055
D	15		
C	Or-Br		
M	2.		
S	1000S	125	1CTMS056
D	18cm		
C	Brn, YBrn		
M	1-2		
S	1000S	100	1CTMS057
D	18cm		
C	dk Or-R-Brn		
M	1		
S	1000	075	1CTMS058
D	21		
C	yBR		
M	1		

- good "B" horizon - flat lying area at top of steep westward slope.
- clay rich most "B" horizon ON 3° southward slope.
- poorly developed horizon ON 18° southward slope - close to bedrock.
- excellent "B" horizon
 - ~~sandy~~ silty
 - 3° southward slope
- poorly developed B in sandy soil on 2° westward slope near N/S gully.

	N	E	#
S	1000	050	1CTM5059
D	20		
C	Y/Br		
M	1		
S	1000S	025	1CTM5060
D	17		
C	or Brn		
M	2-3		
S	1000S	000	1CTM5061
D	18		
C	or Y/Br		
M	1		
S	1000	300	1CTM5062
D	17		
C	Brn		
M	1		
S	1000S	325	1CTM5063
D	17		
C	Brn - or - Brn		
M	1		

- poorly developed profile
- sandy
- at base of eastward dipping side of gully.

- clay rich moist soil on ridge top west of gully; flat area

- 2° westward slope
- sandy, moderately developed "B"

- very poor profile, org rich; 15° south ^{west} eastward slope.

- moderately developed "B"
- $15-20^{\circ}$ south ^{west} eastward slope.

	N	E	#	
S	1000s	388	1CTMS064	
D	15cm			
C	Brn			
M	1			
S	1000s	375	1CTMS065	
D	20			
C	Brn - BK			
M	1			
S	1000s	400	1CTMS066	
D	20			
C	Br - or Brn			
M	1			
S	1000s	425	1CTMS067	
D	30			
C	y Br			
M	2-3			
S	1000s	450	1CTMS068	
D	17			
C	or Brn			
M	1			

- very rocky, poorly developed on 20° southwestward slope

- poorly developed prairie soil.

- 10-15° southward slope in gully.

- good "B"; weakly rocky soil; sandy; 15° southward slope

- clay rich soil

- 10° southwestward slope.

- good silty homogeneous "B" horizon on 15-20° southwestward slope

- very rocky, poorly developed on 20° southwestward slope

- poorly developed prairie soil.

- 10-15° southward slope in gully.

- good "B"; weakly rocky soil; sandy; 15° southward slope

- clay rich soil

- 10° southwestward slope.

- good silty homogeneous "B" horizon on 15-20° southwestward slope

	N	F	#	
S	1000s	475	1CTM5069	
D	100			
C	Blk			
M	1			

S	1000s	500	1CTM5070	
D	25			
C	Brn - YBr			
M	1			

S	1000s	525	1CTM5071	
D	20			
C	Or/Brn			
M	1			

S	1000s	550	1CTM5072	
D	20			
C	Brn - Blk			
M	1			

S	1000s	575	1CTM5073	
D	10cm			
C	Dr. R - Br			
M	1			

- on side of cliff (south facing)
- not much soil; mostly organic.
- no distinct "B" horizon; soil homogeneous throughout; some pebbles
- rocky top soil, well developed "B", west south west dipping slope.
- extremely rocky
- taking poorly developed soil; organic rich.
- good "B" but shallow and close to bedrock
- 20-25° south dipping slope.

	N	E	#
S	1000S	600	1CTMS074
D	10cm		
C	Blk		
M	1		

S	1000S	625	1CTMS075
D	20		
C	Brn - y Br		
M	1		

~~May~~ June 2, 1991

S	1000S	900	1CTMS076
D	12		
C	or Brn		
M	1		

S	1000S	875	1CTMS077
D	10		
C	or Brn		
M	1		

S	1000	850	
D	17		
C	Brn		
M	2		

- very poor soil,
rocky talus area
- hard to sample; 20-
25° south westward
slope.
- poorly developed "B",
top of ridge, flat
area.
- taken 10 m east, 5 m south
of sth; good "B", 10°
southeastward slope
- barbed wire fence 5 m
to north; good "B"
5-10° southeastward
slope.
- clay rich poorly developed
profile; barbed wire
fence 1 m to north;
20° southward slope

	N	E	#	
S	1005	825	10	TMS079
D	23			
C	Or Brn			
M	1			

S	1000	800	10	TMS080
D	35			
C	y Br			
M	1			

S	1000	775	10	TMS081
D	13			
C	Or Br - y Br			
M	1			

S				
D				
C				
M				

S				
D				
C				
M				

- good "B" horizon
- 20° southward slope

- very poorly developed profile
- upper layer is black prairie soil

- 10° southeastward slope

- top layer prairie soil

- sampled horizon is on bedrock (intr?)

- 10° southeastward slope.

- good "B" horizon
- 2° southward slope
- very poorly developed profile
- upper layer is black prairie soil
- 10° southeastward slope
- top layer prairie soil
- sampled horizon is on bedrock (intr?)
- 10° southeastward slope.