R. B. Findlay
Field Notes 1968

018600

Sheldon O. Ex.

FIELD BOOK

82-0057

Natural Trigonometrical Functions

Angle.	Sin.	Tan.	Sec.	Cosec.	Cotg.	Cosin.	
° ′							′
32	.5299	.6249	1.1792	1.887	1.600	.84805	58
10	.5324	.6289	1.1813	1.878	1.590	.84650	50
20	.5348	.6330	1.1835	1.870	1.580	.84495	40
30	.5373	.6371	1.1857	1.861	1.570	.84339	30
40	.5398	.6412	1.1879	1.853	1.560	.84182	20
50	.5422	.6453	1.1901	1.844	1.550	.84025	10
33	.5446	.6494	1.1924	1.836	1.540	.83867	57
10	.5471	.6536	1.1946	1.828	1.530	.83708	50
20	.5495	.6577	1.1969	1.820	1.520	.83549	40
30	.5519	.6619	1.1992	1.812	1.511	.83389	30
40	.5544	.6661	1.2015	1.804	1.501	.83228	20
50	.5568	.6703	1.2039	1.796	1.492	.83066	10
34	.5592	.6745	1.2062	1.788	1.483	.82904	56
10	.5616	.6787	1.2086	1.781	1.473	.82741	50
20	.5640	.6830	1.2110	1.773	1.464	.82577	40
30	.5664	.6873	1.2134	1.766	1.455	.82413	30
40	.5688	.6916	1.2158	1.758	1.446	.82248	20
50	.5712	.6959	1.2183	1.751	1.437	.82082	10
35	.5736	.7002	1.2208	1.743	1.428	.81915	55
10	.5760	.7046	1.2233	1.736	1.419	.81748	50
20	.5783	.7089	1.2258	1.729	1.411	.81580	40
30	.5807	.7133	1.2283	1.722	1.402	.81412	30
40	.5831	.7177	1.2309	1.715	1.393	.81242	20
50	.5854	.7221	1.2335	1.708	1.385	.81072	10
36	.5878	.7265	1.2361	1.701	1.376	.80902	54
10	.5901	.7310	1.2387	1.695	1.368	.80730	50
20	.5925	.7355	1.2413	1.688	1.360	.80558	40
30	.5948	.7400	1.2440	1.681	1.351	.80386	30
40	.5972	.7445	1.2466	1.675	1.343	.80212	20
50	.5995	.7490	1.2494	1.668	1.335	.80038	10
37	.6018	.7536	1.2521	1.662	1.327	.79864	53
10	.6041	.7581	1.2549	1.655	1.319	.79688	50
20	.6065	.7627	1.2577	1.649	1.311	.79512	40
30	.6088	.7673	1.2605	1.643	1.303	.79335	30
40	.6111	.7720	1.2633	1.636	1.295	.79158	20
50	.6134	.7766	1.2661	1.630	1.288	.78980	10
38	.6157	.7813	1.2690	1.624	1.280	.78801	52
10	.6180	.7860	1.2719	1.618	1.272	.78622	50
20	.6202	.7907	1.2748	1.612	1.265	.78442	40
30	.6225	.7954	1.2778	1.606	1.257	.78261	30
40	.6248	.8002	1.2808	1.601	1.250	.78079	20
50	.6271	.8050	1.2838	1.595	1.242	.77897	10
Cosin.	Cotg.	Cosec.	Sec.	Tan.	Sin.	Angle	

Angle.	Sin.	Tan.	Sec.	Cosec.	Cotg.	Cosin.	
° ′							° ′
39	.6293	.8098	1.2868	1.589	1.235	.77715	51
10	.6316	.8146	1.2898	1.583	1.228	.77531	50
20	.6338	.8195	1.2929	1.578	1.220	.77347	40
30	.6361	.8243	1.2959	1.572	1.213	.77162	30
40	.6383	.8292	1.2991	1.567	1.206	.76977	20
50	.6406	.8342	1.3022	1.561	1.199	.76791	10
40	.6428	.8391	1.3054	1.556	1.192	.76604	50
10	.6450	.8441	1.3086	1.550	1.185	.76417	50
20	.6472	.8491	1.3118	1.545	1.178	.76229	40
30	.6494	.8541	1.3151	1.540	1.171	.76041	30
40	.6517	.8591	1.3184	1.535	1.164	.75851	20
50	.6539	.8642	1.3217	1.529	1.157	.75661	10
41	.6561	.8693	1.3251	1.524	1.150	.75471	49
10	.6583	.8744	1.3284	1.519	1.144	.75280	50
20	.6604	.8796	1.3318	1.514	1.137	.75088	40
30	.6626	.8847	1.3352	1.509	1.130	.74896	30
40	.6648	.8899	1.3386	1.504	1.124	.74703	20
50	.6670	.8952	1.3421	1.499	1.117	.74509	10
42	.6691	.9004	1.3456	1.494	1.111	.74314	48
10	.6713	.9057	1.3492	1.490	1.104	.74120	50
20	.6734	.9110	1.3527	1.485	1.098	.73924	40
30	.6756	.9163	1.3563	1.480	1.091	.73728	30
40	.6777	.9217	1.3600	1.476	1.085	.73531	20
50	.6799	.9271	1.3636	1.471	1.079	.73333	10
43	.6820	.9325	1.3673	1.466	1.072	.73135	47
10	.6841	.9380	1.3711	1.462	1.066	.72937	50
20	.6862	.9435	1.3748	1.457	1.060	.72737	40
30	.6884	.9490	1.3786	1.453	1.054	.72537	30
40	.6905	.9545	1.3824	1.448	1.048	.72337	20
50	.6926	.9601	1.3863	1.444	1.042	.72136	10
44	.6947	.9657	1.3902	1.440	1.036	.71934	46
10	.6967	.9713	1.3941	1.435	1.030	.71732	50
20	.6988	.9770	1.3980	1.431	1.024	.71529	40
30	.7009	.9827	1.4020	1.427	1.018	.71325	30
40	.7030	.9884	1.4061	1.422	1.012	.71121	20
50	.7050	.9942	1.4101	1.418	1.006	.70916	10
	.7071	1.	1.414	1.414	1.	.70711	45
Cosin.	Cotg.	Cosec.	Sec.	Tan.	Sin.	Angle	

Sheldon O. Ex. Field Notes
Phot. # A 12189-152. R.B. Findlay
Saturday June 9
Traverse to ridge east of camp.
Sta. 1 - outcrop of black & grey chert. found, rock cut by numerous quartz stringers, no foliation or bedding can be seen.
2 samples taken (no mineralization seen)
1-9-F
2-9-F
most prominent quartz stringers trend ± 170°, while a second lineal feature trends ± 275°; the second features seem due to weathering but always trend in the same direction. quartz stringers are quite open & vuggy (3-9-F) w/ some dolomite & quartz in cavities in the rock.
Sta. 2 - outcrop of a phyllitic material, restricted to knoll on which Sta 2 is located, no contact with above cherts can be seen, may be in one of gulleys. foliation - 105°/35°S some dip vertically but may not be in place, appears stratigraphically

higher than the chert. (no mineralization)
2 samples taken.
4-9-F
5-9-F

Local changes in strike occur in the phyllite.
Note - As you move towards the contact between the chert & phyllite the chert appears to have a slight foliation.

June 11, 68. - Camp ≈ 3 miles S. of hi sh.
- Soil Sample Traverse.
- Most of ground frozen (except high parts)
- reached ridge N. of camp @ 4600' brg. N 45°E
- 10 samples taken.
- Compass sticking so will return to repair it.
- can locate on photo.

June 16 68 SE of Fortin L.

Soil Sample Traverse

= 330' NE of Soil RBF #66

found outcrop of silicified dolomite cut by qtz stringers.

located on a knoll covered by alders (instead of evergreens).

June 20, 68 SW. of Fortin L. on Ridge Traverse R.B.F. #1

Sta 1. & surrounding area. sequence of cherts.

Sta 1 - white chert (no attitudes.

1a chert. (grey).

1b white chert with quart stringers, brown gossan present.

3 samples taken. R.B.F. 1-1
1-2
1-3

Sta. 2 & surrounding area - greywacke w/ Calc cement. - some sulphides present & brown gossan (pyrite) present. no contact with cherts of Sta 1 - but greywacke float first noticed about 500' West of Sta 1.
no bedding or foliation can be seen.
some quart stringers present
1 sample taken. R.B.F 1-4.

Sta 3 - platy material - quite soft
trending ≈ 100°/65° N
appears granular. (Limestone.)
1 sample taken. R.B.F 1-5.

2

3

Sta 4 - exposure of Limestone
not too brecciated but has quartz
stringers & massive xline dolomite
present. no attitude
2 samples taken. R.B.F 1-6
1-7 gwKe

Sta 5 - exposure of chert (?) or quartzite.
details same as above
2 samples taken RBF 1-8
1-9

Sta 6. large plateau exposure of chert?
detail same as 4 & 5
1 sample taken R.B.F. 1-10

Sta 7 exposure of Limestone
1 sample taken RBF 1-11

3

Sta 8 calc. sandstone w/ quartz
stringers
1 sample RBF 1-12 gwKe

Sta 9. phyllitic material
1 sample RBF 1-13

June 21, 68 Ridge.
Traverse R B.F #2.

Sta 1 - beside creek (may be large float)
a calc. sst. may be slightly mineralized.
1 sample R.B.F. 2-1

Sta 2 exposure of slightly calc shale.
appears somewhat platy
1 sample R.B.F 2-2
also possible outcrop of a pebbly
greywacke. overlying the dolomite.
1 sample R.B.F. 2-3

Sta 3a-3c & ridge top inclusive are covered
with exposures of rock of the limestone
type few if any quartz
stringers are present
no sample taken

Sta 4. rock somewhat similar to that at 2.
only slightly calc. 070°/20°S.; some
quartz stringers present.
1 sample taken RBF 2-4.
(banded shale)

4

Sta5 - calc slate. exposure along a ridge - no quartz visible.
070°/45°N
1 sample taken R.B.F. 2-5.

just beyond Sta5 material found as float resembles silicified dolomite; had some pyrite etc present.

Sta6a-b black chert found along a ridge - no other cherts present.
1 sample taken RBF 2-6.

Sta7 black dolomitic type Rx?
no attitude, no glz & no foliation.
Mn stain present
1 sample taken. R.B.F. 2-7

Sta 8 black rock as above, except slightly platy (no sample).

Sta 9 black layered calc shale
1 sample taken R.B.F. 2-8

Stala grey chert
1 sample RBF 2-9

June 23, 68 Ridge
Traverse R.B.F. #3

Sta 1 - float. Rock Type - Sandstone
all pieces non angular & rusty gossan
2 samples taken RBF 3-1
galena present 3-2

Sta 3 - by Lake exposure of rock
resembling the (~~silicified dolomite~~ chert)?
qtz & dolomite stringers apparently
absent. no sulphides present.
1 sample taken. RBF 3-3

Sta 2 phyllite - no attitude possible
no sample taken

June 29, '68 Ridge
Traverse R.B.F. #A

Sta 1 Limy rocks, somewhat altered, some qtz stringers present & some rock highly brecciated
3 samples taken RBF A-1
A-1 lowest with A-2 A-2
with A-3 highest A-3

Sta 1-2 qtz increasing to large veins
some chalcopyrite found in qtz
2 samples taken by Jake

Sta 2 2 samples taken A-4
A-5

A-4 appears overlain by A-5.
& may be dipping E.

Sta 2-3 float & talus runs from phyllitic to greywacke to calc. slate.

June 26, 1968 Ridge
Traverse R.B.F. #5
Sta 1 abundance of phyllitic type
float on a gulley hillside.

Sta 2 banded chert at 155°/19°W
generally black in colour, first
appears to be a phyllite
1 sample RBF 5-1
also 2a - 2c

Sta 3 rock type ? attitude
diff from above charts, no contact
can be found. 160/58°W
1 sample RBF 5-2

Sta 4 exposure of slaty
material, partially fissile
& non phyllitic in appearance
trending 115°/35°N
1 sadnple R BF 5-3

Sta 4-Camp large angular float
& possible outcrop of greywacke

some intrusive float of a coarsely
xll. rock not seen on ridge.

June 28, 68 Ridge
Traverse R.B.F. #6.

Sta 1 located on knoll
exposure of a quartzite material?
possible silicified dolomite, material
cut by a large number of quartz
stringer, appears to have been an
open space filling. attitude of
material = 100°/68°N
2 samples taken RBF 6-1
6-2

also entire knoll on which sta 1 is
located is of same rock type
as above; qtz in certain areas
of knoll has a red coloration
on the eastern side of the knoll the
rock bears a closer resemblence
to the silicified dolomite
1 sample taken R.B.F 6-3

Sta 2 rock in this area appears
to be a calc sst but may be
the same as sta 1 qtz stringers
are present but fewer &
smaller
2 samples RBF 6-4
6-5

Sta 2-3 float found
pebbly grwke RBF 6-6
& liny rx RBF 6-7

Sta 3 - rock type same as Sta 1

Sta 4 see sample of C.F.- rock type same as on knoll of Sta 1
1 sample taken RBF 6-8
also near this sta. the gtz has the same red colouration mentioned before
1 sample RBF 6-9

Sta 5 stringers in rock are becoming more carbonaceous as opposed to gtz. rock somewhat more silicified though. (ie harder)
1 sample RBF 6-10.

5

June 30, 68 Ridge
Traverse R.B.F #7

Sta 1

no bedding etc is evident. rock is somewhat fissile along irregular fracture pattern, some very fine fractures filled with carbonaceous material. no alteration is evident. rock appears massive rather that crystalline. fairly soft. possibly some type of dolomitic material with some quartz present. (Limestone)

1 sample taken RBF 7-1

Sta 2

appears stratigraphically higher than material at sta 1
a bedded material (quite fine) with a foliation (possible bedding plane cleavage) foliation spacing averages about 1/2". bedding alternates between light & dark bands. contains a fair amount of quartz. attitude of foliation. 047°/5°NW. no contact with material at sta 1

1 sample taken R.B.F. 7-2.

Sta2 bedding not as well defined in all portions of outcrop. some appear more massive & there sta1 & 2 may be identical material
1 sample taken RBF 7-3.

1

Sta3 massive limy rock cut by numerous quartz stringers largest ½" wide, smallest ⅛". appears to have been an open space filling, because stringers are irregular. all stringers = 095°/45°S; no mineralization is evident & no alteration present. (silicified dolomite)
1 sample taken RBF 7-4

2

Sta2-Sta3 = midway found what appears to be a dyke 160°/90° with 1 joint set < 6" wide with rock of sta3 on its extremities. no chill zone seen.
1 sample RBF 7-5

July 1, 68 Ridge
Traverse R.B.F #8
Sills 12-20
Sta 1 shaley rock, non brecciated & without stringers of any type irregular fractures with carbonaceous material material is soft & appears non silicified apparent attitude 090°/25°N; no evidence of past existence of mineralization (limestone)
1 sample taken R B F. 8-1

Sta 2 sequence of bedding with foliation 105°/25°N spacing of foliation varies from 1/8" to 4" rock is of same type as sta 1
thickly foliated Less series of ripples present in it.
1 sample R B.F 8-2
thin portion appear to be bedded II foliation
1 sample R B F 8-3

outcrop alternates between above resemble Sta 2 R.B.F. #7

may be slightly mineralized by galena (Limestone)

Sta 3 material cut by qtz stringers non mineralized appears quite silicified but more granular then xstalline. no attitude
1 sample taken RBF 8-4
3abc more material similar to above (Quartzite?) or Sil Dol
1 sample taken RBF 8-5

Sta 4 silicified dolo ls. refer to Sta 3 RBF #7
2 samples taken RBF 8-6
8-7

Sta 5 foliated material 030°/20°S cut by stringers, but widely spaced. resembles sta 1 RBF #7
1 sample RBF 8-8
Calc Shale

3

July 2, 68 Ridge
Traverse R.B.F. #9

Stal small scattered outcrop of silicified dolomite. some sphalerite present not too brecciated & very few quartz stringers present. has been an open space filling.

2 samples taken RBF 9-1

between 2 & 3 Knolls west 9-2.

same place as IH R2I1

Stal - furthest Knoll east, details same as Stal with exception of no sphalerite.

no sample

area in general contains sufficient float to map all Knolls as being continuous outcrop of Rock of type RBF 9-1 & 2

note silicified materials in this region are more calc than in other region.

July 3, 68 Ridge.
Traverse R.B.F. #10
no outcrop found.
19 soils & 2 silts taken.
N. of ridge of 1st N of
camp.

July 4, 68 Ridge
Traverse R.B.F. #11

at 50 paces at N 15 E
from RBF #86 knoll is N.
290°
= 55 paces between lines of
trees at beginning

87 is 1000' from 86