

ANNE KLEESMENT

DAEVIK 28

Stimord

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arvudist
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картин

картин

1.465.2

Тос Тоси комитет СССР
Упр. Географии и Охраны
недр при Совете Министров
СССР

Материалы пос. геол. и
недропользования СССР масштаба

1:200 000

К. Кавка

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ОБЩЕЕ

Партусовой горбы

комбинатской лесного-недрополь-

зоватской области масштаба

1:200 000 / 1:100 000 / 1000

Состав: карты СССР (лист 0-35-XV) 22

1959 - 1962. a.

7

1963

StatigraphiaD₂D₂pr

Labrad pinnangd: Kaagru, Olüpe
Kärkne, Väine-Ranne, Keel, Elva,
Nõva, Sirvaan, Kiome, Leeva, Kall
järve, Jõgaver, Puste, Tartu-Jeen,
Larne, Tanne.

Lamaneil on tavaliselt korgi-
nereet või gravelist liivane, mõn-
nel liivaneid alusvõrku vah-
uhtlidi. Harvem on nad ge-
nalt väinemat.

liivaneid on peentulidid,
või ebatõrre tervuse. Je
võr peene tervuse. Tervustab
arte sõrre new nennu. Tervust

profil on on tihed tervust terv-
nereet. Põhjapinnas pinnamundis
(Kärkne, Väine-Ranne, Puste) erinevat
kavernoosid dolomideid.

lin. varts p pinnamundis-
Ranneist - gravest p tervust.

Lõikõik korgi pinnamundis heliseht
nurgiti dol. liivaneid, Nende all
on tavaliselt tervust tervust tervust,
liivaneid.

Tervust org. pinnamundis on spoorid
loodust korgi.

Lodine pinnamundis murend korgi.

10 (võrre pinnamundis) on 60 (liivast
pinnamundis). ~~Liivast~~ liivast pinnamundis 70.

Dzan

Kaapere, Otepää, Kärune, Metsanurga,
 Väine-Ranne, Keer, Kain, Kambja,
 Aare, Elva, Valguta, Nõva, Nõuni,
 Stroom, Pihaväli, Kloone, Laeva,
 Lase, Nabla, Karpäse, Enopõss,
 Jõgane 311, Jõgane 312, Tartu juures

Lammitel veel suurete, mis
 on nel karbonaatist sadast, all-
 mähkmetest metapoliit dol ja megal
 veerist. Nende peal on keld
 dolomiid ja megalit tühjell
 ja mure dol. sel vahetult
 horisond allumis on vedele-
 ved megal, peenestunud
 alluvoolid ja loomad dol.
 kumerdise vana. Lõuand
 megalit alluvoolist kumert
 Tartu juures, keld ja voolid.
 Väine-Ranne kompleksi fahid ja lüüsi

all Dzan megalit, alluvoolid,
 loomad.

Kalad, spord.

Puus murest aegne. 0-60 m
 Suurem paus 70 m

Dzan

avaneb alluvool, avaneb
 kumert. On peenestunud ja
 muundunud: Kaapere, Aare,
 Valguta, Nõva, Stroom, Kloone
 Karpäse.

Dzan alluvoolid ja tühjell
 püsivalt mineraalide alluvool, järe:
 karbid, trükoon, granaad, vana,
 vahel on kumert, kumert, vana
 püsivalt ja spordid kumert.

Kalad kumert on peenestunud
 kumert megalit kumert
 Jõgane kumert loomad alluvoolid,
 alluvoolid, alluvoolid on megalit

ja dolomitide valkude, liimide ja
savi valkude.

Kelad, Rõpne

Pausus murend hapne, as
on 100m

Karbunite

Lito loopa

Niõpand aland püha

lubjand	95-100
dol. lubjand	75-95
dolomitne lubj	50-75
lubjand dol	25-50
lubj	5-25
dol	0-5

Sart - karbunite - samed arve

lubjand (dol)	0-5
alundite lubjand	20-5
alundite	20-50 50-80
lubjand alundite	25-50 75-50
alundite	35-75
alundite	100-95

Dz m - s on setuhind peletumise
dolomitide.

Dispersee Dz dolomitide

keem aatom

Ar	2888	2905
Wams.	0.90	0.32
Rehast riu	17.80	6.60
CaO	24.76	28.88
MgO	16.01	19.60
CaMg/CO ₃ 1/2	78.20	89.62
CaCO ₃	4.00	3.75
Dz m. Em	Dz m. Em	

karbid on hele kollane, kollane, violetne,
rohe ja violetne varjundite.

Dolomitide on murend, tühed, pool-
sart ja ja murend murend, karv
tasane murend. kriptomisele.

MgO 13.96-19.91%

Sarvite 5.43-23.89%

On sarved ja lubane - savine dolomida, sarvede CaCO_3 sisaldus 3.04 - 4.93%, lubane. sarvede 5.35 - 15.01%. Pliitomorfide dolomide on alumiiniumi sisaldus - kuni 5%.

Kriptomidid. Pärased mis värske air 0.01 m, värske laudene on alad, air on ead - tellunud mis pinnatellud - del rombseidid murene mis 0.2 m. Vahel on ühendatud mõne pindtulest pargitunud dol rombo - eideid.

Teised liisendid on peene pargitunud ahelise, samuti peente kiheliste, koor altsidid, erand juust, galenit, tised sulfiidid ja halit. Väga autunooritid autunooritid: apidit ja Erman.

Teestruudi: murene ja peene ahelise, horisontaalsed.

D2 m. laamane on iseloom - lund murene ahelise ja peente - laadad teistmure, kihisev - pargitunud ja värskest, sarvede - fel või bitumendi ahelise ja peene - lund (põnn 2-3 m).

Pliitomorfide sarvede ja lubane - sarvede dolomideid on primaarid, mis on üldiselt ebakorralikud, roolung lapuudid.

D2 m sarvede dolomideid esinevad harva (Hone, Keie, Orie, Kapsin, Väike-Ranne, Kageri). Dolomideid on helikellid, kollase hellig, vahel peente laamade, murede, harva postlaamja murede. Pärased liisendid on ferriididest.

Kivim on moodustunud kriipt - kristallidest aab murede ja peente murede liisendist.

Sar 15.99, CaO - 17.49, Mg - 16.79

Erak alluvioonid osades, mis on
vants, peaaegu. Vants on enesest ^{kaas}
murend moodum, murend 0.05-0.1
mm. Alluvioonid osades murend 20%.

Põhik all on hidroviidne - murend -
vut, biotit, mis on peaaegu tavaliselt
murend. murend 0.2 mm.

Chacominasalve on peaaegu ja
tume os. moodum. Põhik on
peene alevide. Fe. hidroviidne on
launne ja vööti den. Osades on
birnood ja tavaliselt.

Tuskin murend ja peeneviidne
veel asuminisviline. Kihid on
tingitud kalle dol. sar ja sarve
dol. Valmist kare murend on
leelise ja leelise tuskin, mis on
põhikult sarve alevide ja
ja hidroviidne ebakõlastat pagu.
kare.

Dzr - 2 on murend krome pum-
ang, mis on vööti vehe-
vööti liivamurend, alluvioon
ja dol. vehe.

Hallid, roheskellid, murend ja teraji
murend, murend kare.

Lahust. peen: 30.52-40.98% MgO
11-18 - 13.87%; CaO - 16.81-20.8%
kaltsti vehe

Dol sarve murend

No	Näitus	Lahust peen	CaO	MgO	CaMg (CO ₃) ₂	CaCO ₃	
9889	2.02	52.24	12.69	9.35	43.16	4.60	nr Olegi
2531	2.36	52.51	12.67	9.46	43.16	4.33	nr Kaspine
7040	2.36	52.07	13.74	9.01	41.32	6.61	- " -
7053	2.16	59.12	11.98	7.76	35.42	5.46	- " -
7090	2.57	69.89	7.61	5.85	26.93	3.18	- " -
7101	2.27	69.03	7.80	5.70	26.19	4.78	- " -
7123	3.88	64.57	6.72	3.47	15.85	19.58	- " -
7199	1.99	51.41	12.13	9.94	45.36	3.23	- " -
8904	2.20	58.70	11.68	7.92	36.16	5.14	nr Kaspine
8943	2.43	63.98	9.28	6.83	31.37	4.65	nr - " -
8960	2.65	68.71	8.23	5.86	27.30	3.99	- " -
8967	2.90	63.54	8.82	7.14	32.83	3.63	- " -
8997	0.06	52.65	11.62	9.72	44.63	2.72	- " -
9042	2.52	66.53	8.89	6.16	20.05	13.42	nr Kaspine
9058	2.79	55.78	11.68	8.80	40.22	3.00	- " -
9540	2.37	54.51	12.39	8.86	40.58	4.91	nr Kaspine
9554	0.22	59.06	12.04	8.90	40.58	0.36	- " -
9565	2.06	66.22	7.79	6.99	32.19	1.59	- " -
9577	1.78	57.96	11.99	8.08	36.89	5.15	- " -
9587	2.30	54.20	12.03	9.33	42.78	3.02	- " -
9655	2.41	56.59	12.00	8.30	38.00	5.41	nr Nõm
9667	2.59	62.12	9.95	6.68	30.63	7.25	- " -
9716	2.63	69.25	7.51	5.75	25.09	5.66	nr - " -
9820	2.07	52.44	14.27	8.08	40.22	7.34	- " -
9834	1.87	57.15	12.43	8.01	36.52	8.33	- " -
9847	1.87	56.99	12.46	8.29	38.00	5.01	- " -
9882	1.59	52.51	12.20	9.65	44.26	3.23	- " -

Lutpauks - dol aeglid

Nr	Nimetus	Leht jään	CaO	MgO	CaH ₂ 100%	CaCO ₃	
8970	1.33	36.52	19.02	12.81	58.65	4.83	arkagruu
8979	0.80	41.90	17.01	11.91	54.58	3.52	—
8986	1.16	42.52	14.17	10.71	49.05	3.43	—
8987	1.61	42.66	16.50	11.74	53.84	3.50	—
9010	1.28	45.91	16.31	9.59	43.89	10.20	—
9077	1.23	28.32	21.04	14.58	66.77	4.91	— Keerl
9733	1.84	45.05	15.45	11.02	50.54	4.41	— Mõnu
9801	2.35	42.50	17.10	11.05	50.54	6.96	—
9839	2.00	42.42	16.61	11.08	50.54	7.07	—
9897	1.55	43.74	15.46	11.60	53.12	3.14	— Stejer

Dz alustatud ja alustatud

alustatud

alust. materjal aini 450%,
Kallid, rinnaosad, tühjused. Tõlke
võrdluseid ja muudatuste kaudu,
pooluapja ja kerajate murede.

alustatud osade murede
alust 0.1 mm; vana, kare
põrasm. Materjal ümardunud
või kalvate ümardunud.

Põrasm. püüvitehnik, dol aeglid
mõõtmelise, 0.1-0.01 mm. Osade on nõrgad
line auge ja tühjused alust - murede
on tühjused, kirdm. on hõrdam. murede
võrd, hõrdam. alust, alust alust
alust. Raskesti: graniit, trübaan,
stauroliit, turvalon.

hõrdam. veele püüvitehnik. hõrdam. murede
aeglid. hõrdam. murede on nõrgad alust
alust aini ja aini aini püüvitehnik
on nõrgad tühjused.

hõrdam. on nõrgad alust
võrd püüvitehnik püüvitehnik, murede
lõngad dol. aini veele murede.

Forstved alust aini.

Dol. aini alust on nõrgad murede
line, veele püüvitehnik.

hõrdam. murede. võrd: püüvitehnik, kare
ja aini murede.

Terviklikud alust

2-1 mm	vee - püüvitehnik
1-0.5	püüvitehnik
0.5-0.25	hõrdam. murede
0.25-0.1	püüvitehnik.
0.1-0.05	püüvitehnik alust
0.05-0.005	alust
$d < 0.005$	alust.

Murede: püüvitehnik üle 50%, püüvitehnik
üle 70%

Dz püüvitehnik

hõrdam., püüvitehnik, kare, püüvitehnik. Püüvitehnik.
hõrdam., püüvitehnik, püüvitehnik, püüvitehnik, püüvitehnik,
hõrdam., püüvitehnik, püüvitehnik, püüvitehnik, püüvitehnik,
hõrdam., püüvitehnik.

18														A. uli penus d					Kern					19		
No	Renst maget w	Reihen nen	Talman krenst	Gründ w	Fita w	Rubrit Brenst Anden	Ap tis i	June w	Eyl dact	Stam w	El Can	Parad kist	And krenst	To krenst	Mo krenst	Küna krenst	Renst krenst	Pinst krenst	Karb. krenst	Vilg krenst	Wend krenst	Pier krenst	Klo krenst	Wend krenst	Karb. krenst	
2556	37.8	2.8	23.9	26.1	-	0.7	5.5	2.2	-	-	-	-	-	-	-	-	-	-	0.7	1.1	-	79.7	19.0	-	1.3	-
2557	38.4	3.7	19.6	34.5	-	0.2	1.8	1.2	-	-	-	-	-	-	0.6	-	0.2	-	0.6	1.2	-	82.2	17.8	-	-	0.7
2558	52.1	2.8	13.8	23.8	0.2	-	1.8	5.5	-	-	-	-	-	-	-	-	-	-	-	1.4	-	88.0	10.7	-	1.3	2.2
2559	55.5	2.0	17.2	21.4	-	0.2	2.0	1.5	-	0.2	-	-	-	-	-	-	0.2	-	-	0.7	-	86.2	8.7	-	-	28.6
2560	43.1	2.1	38.8	15.8	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	17.3	-	-	80.0	8.7	-	-	11.3
2713	54.2	2.8	16.6	16.2	0.2	1.0	7.8	4.0	-	-	-	-	0.2	-	-	-	0.3	-	3.8	1.9	0.5	87.3	10.0	-	0.7	5.0
2084	24.5	4.7	4.5	37.7	0.6	0.8	7.3	8.6	0.6	-	0.2	2.6	8.8	0.8	-	1.0	23.1	-	1.6	3.5	0.9	58.9	73.4	-	1.0	2.4
2085	27.8	11.6	9.0	38.9	-	-	2.8	2.2	-	-	0.1	0.5	5.7	0.6	0.3	0.5	11.5	-	0.28	1.23	0.4	84.0	75.5	-	3.3	7.6
2087	27.8	4.0	12.6	34.0	3.2	1.0	1.8	4.0	1.8	1.0	0.4	1.2	3.8	0.4	2.0	1.0	20.6	-	3.8	1.31	0.8	40.5	56.2	-	4.3	4.7
2088	25.0	13.2	6.4	12.2	1.7	2.1	1.3	4.1	0.4	0.6	1.3	0.7	0.6	0.6	-	0.6	1.0	-	4.8	20.8	14.2	54.5	34.7	-	13.9	2.9
2533	50.7	4.1	30.2	12.0	0.2	1.2	0.4	1.2	-	-	-	-	-	-	-	-	-	-	2.4	-	0.8	87.0	11.0	-	-	2.0
2534	38.1	3.0	22.8	34.7	-	0.3	-	0.9	-	-	-	-	-	-	0.2	-	0.3	-	-	0.2	-	80.6	15.4	-	2.7	4.3
2536	39.5	3.3	21.0	24.1	0.2	0.3	0.5	1.1	-	-	-	-	-	-	-	-	0.3	-	-	0.5	-	80.0	18.0	-	2.0	1.7
2537	51.7	2.5	14.9	26.8	-	0.9	-	2.5	-	-	-	-	0.7	-	-	-	-	-	0.7	0.3	1.2	65.3	32.3	-	0.7	1.7
2538	45.7	1.5	19.7	29.4	-	0.2	2.0	0.9	-	0.2	-	-	-	-	-	-	-	-	3.2	0.3	1.0	80.0	15.6	-	2.7	1.7
2539	32.8	6.9	24.0	33.0	0.1	-	0.7	2.4	-	0.1	-	-	-	-	0.4	-	-	-	-	-	-	82.4	16.3	-	1.3	-
2540	38.6	3.4	26.2	27.0	-	1.0	2.3	1.3	-	0.2	-	-	-	-	-	-	0.5	-	0.3	0.2	-	76.7	16.4	-	6.0	0.7
2541	34.4	7.0	24.0	32.8	-	-	2.3	1.9	-	0.6	-	-	-	-	-	-	0.7	-	7.7	1.0	-	72.0	17.3	-	3.3	7.7
2910	47.2	-	10.4	29.6	-	-	3.2	8.2	0.5	-	0.4	-	0.5	-	-	-	2.6	-	8.4	4.7	2.2	92.0	8.7	-	-	4.6
2911	54.3	-	12.9	19.9	-	0.7	4.8	7.4	-	-	-	-	-	-	-	-	1.6	-	36.0	14.2	1.4	92.0	7.0	-	-	7.2
4039	59.2	1.8	23.6	12.4	-	0.8	0.2	1.8	-	-	-	-	-	-	0.2	-	-	-	-	-	-	93.4	6.0	-	0.6	-
4040	51.1	3.5	16.9	22.2	-	1.4	2.5	1.4	-	-	-	-	-	-	0.6	-	2.6	-	3.8	2.3	2.3	88.0	8.7	-	3.3	-
4041	42.8	4.2	8.7	32.3	0.4	0.4	5.4	4.8	-	-	-	-	-	-	1.0	-	1.2	-	-	1.8	1.0	99.4	0.6	-	-	-
4046	47.5	2.0	17.5	26.5	-	0.3	1.5	3.7	-	-	-	-	-	-	1.0	-	14.0	-	-	3.7	2.8	94.0	2.0	-	4.0	-
4044	61.8	6.6	14.0	7.7	-	0.8	4.7	7.4	-	-	-	-	-	-	-	-	11.2	-	-	12.6	5.6	66.7	21.3	-	12.0	-
4048	26.5	2.5	8.2	59.2	-	-	2.2	1.4	-	-	-	-	-	-	-	-	0.2	-	-	0.2	-	95.4	3.3	-	1.3	-
4052	59.0	1.2	19.9	14.0	-	0.4	3.4	1.7	-	-	-	-	-	-	0.4	-	9.3	-	-	6.6	0.3	95.0	3.3	-	1.7	-
4051	49.1	1.7	27.3	28.4	-	1.0	0.7	4.4	-	-	-	-	-	-	-	-	-	-	-	0.3	-	96.7	3.3	-	-	-
4053	44.0	1.4	23.1	27.1	0.2	0.4	0.4	3.0	0.2	0.2	-	-	-	-	-	-	0.6	-	0.2	0.2	-	84.7	10.9	-	-	3.3
7223	38.5	2.0	12.0	46.1	-	0.6	0.8	1.2	-	-	-	-	-	-	-	-	0.4	-	-	-	0.8	90.7	8.7	-	0.6	-
7220	39.0	2.4	7.7	43.3	-	0.3	5.0	4.7	-	-	-	-	-	-	-	-	4.0	-	-	28.4	5.6	92.7	7.3	-	-	-
7221	41.8	1.2	13.5	40.0	-	-	2.5	1.2	0.6	-	0.2	-	-	-	-	-	4.4	-	-	12.8	1.6	97.7	4.7	-	-	0.6
7227	36.0	1.2	5.0	51.2	-	-	5.4	1.8	-	0.3	0.3	-	-	-	-	-	9.6	-	-	24.8	8.8	78.0	2.7	-	-	1.3
7228	32.11	1.4	4.4	58.6	-	0.3	1.9	0.8	-	-	-	-	1.9	-	-	-	10.0	-	-	15.4	1.4	92.0	6.7	-	1.3	-
7231	35.4	2.0	4.5	44.9	-	0.9	9.8	4.5	-	-	-	-	-	-	-	-	12.4	-	0.8	21.2	2.2	90.0	9.4	-	0.6	-
7238	-	0.8	8.8	47.1	-	0.4	3.5	4.4	-	-	-	-	-	-	-	-	5.4	-	-	43.4	5.2	82.7	16.7	-	-	9.6
9958	47.0	5.4	18.7	15.8	-	0.1	0.1	12.4	-	-	-	-	-	-	-	-	2.5	-	0.9	0.1	-	83.2	16.2	-	0.7	-
1535	44.4	8.3	12.8	23.2	0.5	0.9	6.1	3.6	-	-	-	-	-	-	0.2	-	-	-	-	2.4	0.3	77.7	19.7	-	2.6	-

2202	Alumina	SiO ₂	FeO	MgO	CaO	Na ₂ O	K ₂ O	Loss	Spinel	Staurolite	Diopside	Quartz	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphibole	Pyrite	Amphib
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	Magne- tite wt	Resi- dual wt	Fe-Mn oxide wt	Glass wt	Tita- nit wt	Rutile wt	Ap- tite wt	Spinel wt	Pyrite wt	Stau- rite wt	Di- asp wt	Ande- rite wt	Tru- p wt
2546	37.2	3.6	46.7	8.5	-	0.2	2.4	0.7	-	0.2	-	-	-
2547	54.4	4.5	15.9	19.2	0.2	1.3	2.8	1.0	-	0.6	-	-	-
2548	53.0	0.9	26.6	15.4	0.2	0.6	1.8	0.7	0.4	0.4	-	-	-
2549	55.1	3.0	15.0	23.9	-	0.4	1.1	0.9	-	0.4	-	0.2	-
9287	51.6	14.5	4.8	11.8	-	0.7	8.7	5.4	-	1.5	-	0.4	-
9289	47.8	7.6	10.0	10.9	0.7	1.4	15.6	4.2	-	0.2	-	-	-
31	60.5	13.6	2.5	1.7	0.4	2.2	16.0	3.2	-	0.2	-	-	-
33	33.8	12.8	9.9	6.9	2.0	2.6	21.1	5.9	-	0.4	0.7	-	-
34	44.5	34.0	2.8	0.7	0.2	0.9	6.7	6.9	-	0.1	0.1	2.9	-
37	69.1	3.5	12.4	4.8	0.2	1.2	6.3	2.4	-	0.1	-	-	-
38	61.4	4.1	6.0	19.1	0.5	0.6	5.0	3.0	-	0.2	-	-	-
40	72.8	3.8	7.8	9.2	0.7	0.7	4.0	1.1	-	-	-	-	-
41	31.9	18.9	4.1	1.2	-	0.1	19.6	12.3	-	-	-	11.6	-
2367	69.5	12.0	3.0	4.9	0.4	3.0	18.4	3.7	-	0.1	-	-	-
2370	43.1	2.9	11.4	8.0	2.3	3.0	24.2	6.8	-	0.4	0.8	-	-
2371	85.8	4.8	8.8	1.4	0.5	0.4	1.8	0.5	-	0.7	0.1	-	-
2375	71.6	3.4	12.8	5.0	0.3	1.2	6.5	2.5	-	0.1	-	-	-
2377	64.0	3.3	6.2	20.0	0.5	0.6	5.4	3.1	-	0.2	-	-	-
2380	75.8	3.1	8.1	9.6	0.6	0.6	4.1	1.1	-	-	0.1	-	-
2383	83.0	1.0	1.8	2.3	0.3	1.7	7.7	3.2	-	-	-	-	-
2384	50.8	5.0	7.4	10.6	0.4	3.2	23.4	4.0	-	0.2	-	-	-
2283	68.5	6.7	4.9	2.7	1.5	1.6	15.4	4.5	-	-	0.1	0.5	0.1
9112, 9114, 9120, 9122, 9507, 9511, 9514, 9516, 9517, 9518, 9522,													

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2193	66.0	4.7	21.5	0.4	0.2	0.4	4.3	1.5	-	0.4	-	-	0.2
2192	13.5	9.7	8.5	5.0	0.3	0.5	8.5	2.0	-	2.0	-	-	-
2191	51.5	14.1	7.9	13.8	0.7	-	7.2	2.5	-	2.3	-	-	-
2190	55.5	7.6	9.8	15.1	-	-	7.3	2.2	-	2.5	-	-	-
2189	62.0	0.7	6.0	28.0	-	-	1.7	0.8	-	0.8	-	-	-
2188	55.4	6.2	9.1	21.4	0.2	0.4	3.1	1.3	-	2.7	0.2	-	-
2187	55.0	9.9	17.4	8.3	-	-	7.9	0.9	-	0.2	-	-	-
2186	66.3	4.0	16.1	8.8	-	0.4	3.2	0.8	-	0.4	-	-	-
2185	53.2	20.0	12.0	20.6	-	-	2.4	1.7	-	1.4	-	-	-
2185a	58.3	5.5	14.9	13.2	0.2	-	4.7	1.6	-	0.6	-	0.2	-
9300	57.0	2.4	7.6	10.6	-	2.1	15.2	6.3	-	1.2	-	-	-
8457	64.6	4.2	1.6	1.6	-	1.6	22.6	8.0	-	-	-	-	-
8458	71.8	8.2	2.0	1.0	-	0.3	13.8	8.4	-	2.7	-	-	-

Anti peroxide										Kern					Kern
No.	und.	line	Pyr.	Pure	Pure	carb	Vil.	und.	und.	und.	und.	und.	und.	und.	
-	-	-	-	0.4	-	-	17.9	2.1	-	66.7	10.0	-	-	-	23.3
0.4	1.7	-	-	1.8	-	0.4	3.8	0.6	-	83.4	12.3	-	3.0	1.3	-
-	-	-	-	0.2	-	1.4	6.2	2.6	-	80.6	12.7	-	4.0	2.7	-
-	-	-	-	1.0	-	-	6.4	0.6	-	82.6	12.7	-	4.7	-	-
-	0.0	-	-	0.2	1.7	9.2	-	-	0.3	80.7	11.5	6.2	1.6	10.1	-
-	1.6	-	-	10.2	0.6	0.2	-	-	-	66.1	8.3	21.8	3.8	0.9	-
-	-	-	-	-	-	-	7.0	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	58.4	-	-	-	-	-	-	-	-
-	-	-	-	3.2	-	-	16.8	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	14.0	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	10.0	-	-	-	-	-	-	-	-
-	-	-	-	6.0	-	0.1	8.9	-	-	-	-	-	-	-	-
-	-	-	-	1.2	-	0.2	7.1	3.0	-	88.3	8.7	2.3	0.7	-	-
-	-	-	-	2.2	-	0.2	36.7	40.2	-	59.3	33.3	4.7	2.7	-	-
-	-	-	-	3.3	-	0.2	3.0	-	-	81.3	15.0	-	3.4	0.3	-
-	-	-	-	2.4	-	-	0.4	-	-	92.3	6.0	0.3	1.4	-	-
-	-	-	-	2.0	-	0.2	18.6	2.7	-	83.3	9.0	-	7.7	-	-
-	-	-	-	4.2	-	0.2	10.1	2.0	-	68.3	2.7	-	17.6	-	-
-	-	-	-	18.4	-	1.0	13.6	2.8	-	85.0	13.0	-	2.0	-	-
-	-	-	-	1.4	-	1.0	53.5	10.4	-	72.7	18.3	-	9.0	-	-
-	0.2	-	-	5.4	-	0.8	10.1	2.0	-	86.2	12.6	-	2.4	0.4	-
9764, 9769, 9772, 9782, 9785, 9789, 9795															

-	0.4	-	-	2.1	-	-	15.6	0.5	-	46.7	16.3	24.0	13.0	-	-
-	-	-	-	0.5	-	-	7.2	1.3	-	73.2	15.2	3.9	7.7	-	-
-	-	-	-	1.8	-	-	8.4	1.6	-	80.7	12.8	3.1	3.4	-	-
-	-	-	-	8.9	-	0.2	23.0	1.8	-	65.8	21.3	4.8	8.1	-	-
-	-	-	-	1.3	-	-	14.7	0.3	-	82.4	13.0	2.0	2.6	-	-
-	-	-	-	4.0	-	-	5.6	0.4	-	64.7	17.3	9.7	8.3	-	-
-	-	-	-	-	-	-	21.6	5.6	-	31.4	21.6	15.6	31.4	-	-
-	-	-	-	1.0	-	-	53.0	2.4	-	55.9	6.6	25.3	12.2	-	-
-	-	-	-	1.7	-	1.8	12.6	0.6	-	77.1	14.4	2.7	2.0	3.2	-
0.6	0.2	-	-	0.7	-	-	5.6	1.4	-	66.4	28.6	0.7	4.0	0.3	-
-	-	-	-	6.0	-	-	29.2	5.8	-	93.4	6.6	-	-	-	-
-	-	-	-	0.8	-	-	70.8	11.6	-	94.0	2.7	-	3.0	-	-
-	-	-	-	9.4	-	-	21.8	1.2	-	98.7	1.3	-	-	-	-

	Stam- mag	Rei- hous	Touren mont Knot	Gra- nest	Tito- mit	Rubi- Bren- mit anthen	Age- lit	Tame- kwa	Spl- dott	Stan- no lot	De- ten	An- da- en- 135	To- ren	Ko- rud	Lin- u- lin	Pgr	Antipense					Kange					Kambo- nest
																	Per- nand	Post	Kab	Vila	Kang havit	Glan- havit	Kwanz	Pre- varin	Klo- not	Mugur- vid	
2552	48.2	3.4	21.6	6.3	0.5	0.5	4.5	0.8	-	-	-	14.0	-	-	-	Have	2.2	-	1.2	16.6	4.0	-	87.0	2.0	-	6.0	-
2629	49.1	8.6	12.9	4.9	-	1.5	17.2	5.5	-	-	-	-	-	-	-	-	0.4	-	2.8	26.4	5.2	-	67.4	21.3	23.0	4.3	2.0
2632	59.7	5.3	13.2	2.6	-	0.8	11.4	7.0	-	-	-	-	-	-	-	-	1.8	-	-	46.9	9.0	-	68.0	2.7	0.5	5.3	24.0
2553	59.2	3.6	18.0	8.0	0.4	-	6.4	1.4	0.2	-	-	2.4	-	0.4	-	-	0.7	-	0.3	9.4	0.2	-	83.3	11.7	-	5.0	-
2800	61.0	6.1	13.0	0.4	-	3.2	12.2	4.1	-	-	-	-	-	-	-	-	6.4	-	-	28.8	15.6	-	72.0	20.0	-	8.0	-
2652	41.3	7.8	19.6	19.6	-	-	3.9	7.8	-	-	-	-	-	-	-	Have	3.6	-	30.6	42.7	13.0	-	56.7	6.0	-	7.0	30.3
2554	50.5	5.4	18.6	2.5	-	0.5	4.1	1.3	-	-	-	15.3	-	-	-	Have	-	-	3.6	14.8	3.2	-	78.7	13.0	-	5.3	3.0
2022	63.7	10.4	13.3	6.8	-	1.3	1.0	1.0	-	0.3	0.3	0.3	0.5	0.3	-	0.8	2.1	-	13.9	7.9	3.8	-	51.4	24.9	-	11.0	9.7
2023	67.2	6.5	15.0	1.4	2.4	3.3	1.8	0.4	0.4	0.2	-	0.2	0.4	-	0.4	0.4	1.4	-	14.5	6.7	6.8	-	8.2	25.8	-	29.4	22.4
2026	58.7	5.5	15.0	7.5	1.6	4.2	1.6	2.0	0.2	0.2	-	1.0	-	0.2	0.6	0.7	1.3	-	22.0	20.7	2.7	-	42.0	22.0	5.3	9.0	21.7
9025	78.6	-	-	7.1	-	-	-	14.3	-	-	-	-	-	-	-	-	0.4	-	-	80.9	13.2	-	44.0	40.0	-	16.0	-
9031	66.6	-	-	-	-	16.7	-	-	-	16.7	-	-	-	-	-	-	0.6	-	-	48.8	49.5	-	12.7	70.7	-	17.3	-
9033	79.2	-	10.5	4.1	-	-	4.1	-	-	-	2.1	-	-	-	-	-	3.6	-	-	56.0	30.8	-	8.7	86.0	-	5.3	-
9036	21.6	-	8.1	-	-	2.7	40.6	29.0	-	-	-	-	-	-	-	-	18.0	-	12.0	53.4	9.2	-	78.0	14.7	-	1.3	6.0
9043	42.1	3.0	14.3	5.3	-	4.5	24.8	9.0	-	-	-	-	-	-	-	-	-	-	42.2	25.0	5.8	-	72.0	14.0	-	-	14.0
9039	56.5	4.4	13.1	7.5	-	2.3	14.4	5.9	-	-	-	0.3	-	-	-	-	4.0	-	0.8	18.6	11.2	-	88.3	8.2	-	1.2	2.3
9049	91.6	-	-	1.6	-	3.4	3.4	-	-	-	-	-	-	-	-	-	4.6	-	-	55.6	28.0	-	33.3	60.7	-	6.0	-
9051	45.1	-	18.3	2.8	-	4.2	16.9	11.3	1.4	-	-	-	-	-	-	-	1.2	-	0.8	63.4	20.4	-	50.7	38.0	-	8.0	3.3
2457	70.9	2.6	12.6	8.5	-	2.2	2.4	0.4	-	0.2	-	-	-	0.2	Kangro	2.3	-	3.4	5.0	1.1	-	68.0	22.0	-	7.3	2.7	
2458	61.0	3.2	18.9	1.9	-	4.2	8.3	2.2	-	-	-	-	-	0.3	-	-	4.6	-	8.6	15.6	8.8	-	74.4	14.3	-	2.6	11.7
2459	57.3	-	16.7	16.0	-	1.9	5.6	2.2	-	-	-	-	-	0.3	-	-	7.1	-	0.7	17.3	18.0	-	76.7	10.3	-	17.2	7.0
2460	73.2	3.4	11.2	2.5	-	1.6	4.7	3.1	-	-	-	-	-	0.3	-	-	11.3	-	8.3	16.0	3.8	-	78.4	11.3	-	-	10.3
2448	54.4	-	13.0	24.0	-	4.3	4.3	-	-	-	-	-	-	-	-	-	0.8	-	2.0	47.7	40.0	-	35.2	30.7	52.0	4.5	12.7
2516	59.1	6.0	23.0	3.9	-	3.3	3.7	1.0	-	-	-	-	-	-	-	-	1.3	-	6.6	0.9	1.5	-	77.0	12.6	16.4	5.3	5.7
2527	57.9	6.5	18.5	1.1	-	3.6	10.5	1.4	-	-	-	0.2	-	0.2	Kangro	0.4	-	63.6	4.1	0.8	-	33.6	57.4	18.3	23.5	2.3	22.0
2528	64.0	2.7	24.1	3.1	-	2.6	2.9	0.5	-	-	-	0.1	-	-	-	-	2.4	-	0.6	1.1	0.3	-	82.0	17.3	-	0.7	-
2529	49.0	5.8	21.2	9.2	0.5	1.8	10.3	1.8	-	0.2	-	-	-	0.2	-	-	-	-	0.7	0.3	-	68.7	18.7	19.0	11.6	1.6	
2907	70.2	10.6	7.1	1.6	-	-	5.2	3.6	-	-	-	-	-	1.7	-	-	1.8	-	0.6	50.4	37.7	-	58.0	28.7	-	11.3	2.0
2908	39.8	9.3	24.0	3.7	1.9	3.7	-	0.7	-	-	-	-	-	16.7	-	-	6.7	-	1.5	63.5	-	-	-	-	-	-	-
2914	39.9	11.2	10.7	0.3	0.3	2.4	29.0	6.0	-	-	-	-	-	-	-	-	-	-	11.9	7.5	1.5	-	58.7	8.1	-	4.7	28.0
2921	67.7	-	15.3	-	-	1.7	-	-	-	5.1	-	-	-	10.2	-	-	26.0	-	9.0	22.0	13.5	-	-	-	-	-	-
2932	52.4	6.7	11.4	8.2	-	2.7	12.2	5.0	-	-	-	-	0.2	-	1.2	-	6.9	-	0.5	17.3	2.3	-	90.0	5.7	-	3.3	1.0
2941	57.1	1.2	20.2	9.6	0.4	1.4	7.2	2.4	-	-	-	-	-	0.6	-	-	0.3	-	-	3.1	0.7	-	88.4	8.0	-	0.3	3.3
2944	46.4	6.1	22.4	3.3	-	2.8	13.4	5.6	-	-	-	-	-	-	-	-	-	-	15.2	13.2	-	56.3	13.7	-	4.1	25.9	
7067	60.0	2.0	2.9	-	-	-	32.8	4.3	-	-	-	-	-	-	-	-	-	-	7.3	51.0	4.4	-	83.7	12.1	-	0.6	3.6
7074	61.5	5.6	0.9	2.6	1.7	1.7	17.5	14.1	-	-	-	-	-	-	-	-	-	-	3.2	54.0	14.4	-	74.7	19.3	-	2.0	4.0
7095	20.0	1.1	25.0	5.0	-	-	30.0	20.0	-	-	-	-	-	-	-	-	0.9	-	63.0	17.0	14.3	-	56.7	13.3	-	-	30.0

30	Magne- tism	Leu- wood	Join- hills wood	Gra- leaf	Tite- ant	Antib- Brus	Apr- ant	For- no- wh	Ep- doft	Jan- sol	Di- cen	Antib- ant	Topes	Round	Thin ne- wood	Ry	Antigenic				Key				Ant 31		
																	Pine red	Ant	Karl	Velp	Mush v. w	Wares	Pine white	Karl	Mush v. w	Wares	Glass
7144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.0	24.0	24.0	33.3	33.3	-	-	33.4	-
9708	40.5	-	4.5	16.8	-	-	29.2	9.0	-	-	-	-	-	-	-	-	7.0	-	-	58.9	16.4	60.0	40.0	-	-	-	-
2179	55.6	12.2	7.7	1.3	1.0	-	17.0	5.2	-	-	-	-	-	-	-	-	1.8	-	0.6	19.8	15.6	67.7	25.4	2.3	2.9	1.7	-
2178	64.7	9.3	9.1	3.5	0.6	0.3	9.3	2.9	-	-	-	-	-	-	-	-	10.9	-	0.3	23.4	4.3	41.3	26.3	5.0	27.4	-	-
2177	50.0	28.6	15.1	1.5	0.5	0.5	1.9	1.9	-	-	-	-	-	-	-	-	23.2	-	3.2	26.4	8.5	38.3	43.4	8.6	6.6	3.1	-
2176	46.0	20.2	14.1	3.5	-	-	12.0	4.2	-	-	-	-	-	-	-	-	3.5	-	12.4	14.7	6.2	43.3	31.3	6.3	8.1	11.0	-
2175	43.8	21.3	12.0	3.5	0.4	-	15.1	3.5	-	-	-	0.4	-	-	-	-	1.7	-	22.1	21.9	11.7	41.6	21.6	5.2	12.6	19.0	-
2174	44.2	23.7	12.8	1.2	0.8	-	14.5	2.8	-	-	-	-	-	-	-	-	2.1	-	8.2	31.8	9.0	42.4	24.3	4.3	18.3	10.7	-
2173	34.9	29.4	17.7	3.8	-	0.4	11.3	2.5	-	-	-	-	-	-	-	-	2.3	-	11.1	31.6	11.6	31.4	19.3	4.3	32.0	13.0	-
2172	43.8	16.8	11.5	6.2	0.8	0.3	15.6	4.1	-	-	-	-	-	-	0.6	0.3	6.4	-	16.6	13.2	3.0	39.7	32.4	2.1	10.0	15.8	-
2169	64.9	10.0	10.3	1.1	-	0.2	10.8	2.7	-	-	-	-	-	-	-	-	3.0	-	3.0	19.2	7.0	79.5	28.1	2.1	5.9	14.4	-
2171	45.5	14.0	8.6	8.9	-	1.2	20.2	1.6	-	-	-	-	-	-	-	-	0.3	-	9.6	17.1	24.4	54.7	27.4	3.0	7.6	7.3	-
2168	57.0	9.0	13.5	3.0	-	-	13.1	4.1	-	-	-	-	-	-	0.3	-	5.7	-	2.2	11.0	9.2	41.4	31.7	1.5	5.0	20.4	-
2167	56.2	15.3	16.5	3.2	-	-	6.2	1.6	-	-	-	-	-	-	0.5	-	3.2	-	13.6	6.6	2.6	33.0	36.4	4.3	16.5	10.0	-
9412	45.3	2.8	5.7	-	-	1.9	32.0	15.1	-	-	-	-	-	-	-	-	8.0	-	10.0	52.0	18.0	73.4	18.0	-	2.6	6.0	-
9416	47.3	5.0	3.5	2.8	-	3.1	25.8	17.5	-	-	-	-	-	-	-	-	6.1	-	28.8	12.1	11.5	88.0	8.0	-	0.7	3.3	-
9418	26.0	1.6	24.7	2.6	-	6.5	16.8	13.0	-	-	-	-	-	-	-	-	0.2	-	7.6	47.3	28.0	78.7	18.0	-	-	3.3	-
9331	25.8	40.8	3.5	2.8	-	1.6	15.7	5.0	-	-	0.6	0.6	-	-	3.4	0.6	1.3	5.4	-	73.6	-	77.8	18.9	1.6	1.7	-	-
9337	24.0	25.4	4.1	1.8	-	1.8	31.1	5.9	-	-	-	0.4	-	-	4.6	0.7	11.7	0.8	7.0	77.2	0.2	66.5	28.1	4.2	1.2	-	0.5
9338	27.7	19.6	1.6	1.0	0.2	1.3	33.0	13.6	-	-	-	0.7	-	-	0.5	0.5	10.1	2.9	0.7	46.8	0.4	82.4	13.7	2.6	1.3	-	-
7372	31.1	22.3	3.9	23.3	-	-	3.9	1.9	-	-	1.0	-	1.9	-	8.7	1.0	59.0	21.8	2.4	17.3	-	76.3	7.3	0.9	15.5	-	-
9346	29.1	15.5	5.5	23.6	-	0.9	10.0	5.5	-	0.9	0.9	-	-	-	4.5	3.6	20.6	50.2	4.5	15.3	-	66.1	17.6	2.6	13.7	-	-
2387	55.8	2.6	2.5	2.5	0.4	1.6	30.3	6.9	-	-	-	-	-	-	-	-	28.6	-	1.5	42.1	5.6	68.4	22.6	3.8	3.8	1.4	-
2390	58.5	6.2	0.8	1.5	0.3	2.2	28.9	7.1	-	-	0.7	-	-	-	-	-	4.0	0.2	0.2	53.2	9.6	75.0	28.3	0.7	1.0	-	-
2393	50.0	1.4	3.6	3.0	0.3	2.8	30.6	9.4	-	-	0.3	-	-	-	-	-	5.6	0.2	-	69.4	8.0	70.3	22.7	3.0	3.3	0.7	-
2396	47.0	2.2	4.0	4.5	0.5	2.9	30.3	10.8	-	-	-	-	-	-	-	-	1.6	0.2	-	59.0	7.2	52.5	28.5	6.5	9.5	1.5	-
2401	68.4	0.8	5.4	1.5	-	3.0	12.8	7.9	-	-	1.0	-	-	-	-	-	12.5	-	1.4	58.2	8.9	65.7	25.0	2.3	4.0	3.0	-
2403	39.0	1.6	4.3	3.6	-	2.4	33.9	12.8	-	0.6	4.3	-	-	-	-	-	3.4	-	7.9	60.9	11.1	56.3	31.2	0.8	2.0	9.7	-
2405	50.0	1.6	10.0	4.5	-	3.1	21.2	5.0	-	0.6	5.6	-	-	-	-	-	1.8	-	10.6	64.2	20.0	40.0	18.0	6.7	8.3	27.0	-
2407	33.3	4.0	1.6	3.6	-	1.8	48.0	18.7	-	-	-	-	-	-	-	-	10.2	-	9.2	23.4	1.8	81.7	10.3	0.3	1.0	6.7	-
2409	44.2	1.5	4.2	6.2	-	3.4	38.5	10.0	-	-	0.5	-	-	-	-	-	11.8	-	1.3	54.7	10.2	74.3	18.0	0.7	2.0	5.0	-
2411	42.5	4.0	1.5	5.0	-	2.0	39.0	10.0	-	-	-	-	-	-	-	-	7.6	-	1.2	64.0	1.8	74.3	16.7	0.9	3.3	4.7	-
2266	49.0	0.2	3.5	-	4.6	1.1	30.3	11.5	-	-	-	-	-	-	-	-	2.5	-	0.2	72.7	18.4	74.0	21.3	2.3	1.7	0.7	-
2267	41.2	3.1	7.8	12.0	1.6	1.9	21.1	10.9	0.4	-	2.3	0.4	-	-	0.4	1.3	0.2	3.8	24.0	47.6	39.5	31.2	15.6	13.5	0.2	-	-
2273	50.0	-	7.5	2.5	2.5	7.5	16.2	11.3	-	-	2.5	-	-	-	-	-	0.4	-	0.4	78.5	18.1	50.0	27.5	22.5	7.5	-	-
2277	34.0	6.5	3.4	4.4	1.3	4.4	32.4	15.4	0.3	-	4.4	-	-	-	-	-	-	-	-	47.8	29.5	71.7	24.0	2.0	2.0	0.3	-
2281	49.0	22	3.8	3.8	5.6	5.7	17.0	13.2	-	-	1.9	-	-	-	-	-	5.9	-	6.1	56.2	25.6	53.0	24.7	3.0	3.0	16.3	-
2282	235.9	2.7	2.6	5.1	1.9	5.1	33.3	11.6	0.6	-	3.2	0.7	-	-	-	-	6.3	-	1.9	47.8	28.2	61.7	22.0	5.0	5.7	24.7	-

32	Major wt fluo	Less loss	Total H ₂ O K ₂ O	Gr. H ₂ O	Total wt	Residual Anhydrous B ₂ O ₃	Al ₂ O ₃ wt	Fe ₂ O ₃ wt	Sp. wt	Dis. wt	Al ₂ O ₃ wt	Total wt
2287	34.5	1.3	2.3	4.5	-	4.5	20.9	12.3	-	-	0.5	-
2295	63.1	4.0	16.5	4.4	0.7	1.1	9.2	5.0	-	-	-	-
2296	69.2	2.9	9.9	5.4	0.3	1.5	9.4	4.3	-	-	-	-
2298	43.7	2.5	3.6	-	-	-	29.0	21.7	-	-	2.0	-
2301	51.7	8.5	4.3	1.4	2.2	2.7	26.6	10.4	-	-	0.5	0.2

+ 9129, 9133, 9137, 9142, 9144, 9149, 9529, 9543

D₂ in Aluminosilicate seen common.

	SiO ₂	N ₂ O ₂	Al ₂ O ₃	Fe ₂ O ₃	H ₂ O	O ₂	MgO	Na ₂ O+K ₂ O	S
2928	72.59	0.28	8.38	1.21	6.72	3.64	3.91	0.38	0.01%
2929	67.17	0.65	4.7	3.59	8.93	3.04	7.29	1.09	-
2914	67.6	-	-	0.75	6.17	-	-	-	-
2915	61.91	-	-	1.21	7.35	-	-	-	-
2927	63.36	-	-	1.23	6.25	-	-	-	-

Sand

D₂ in

Tschakal & pure mustard, penicillin-like.

hyperal aluminosilicate, dol - lathyrus x
seen dolomitic

Korn	Korn un	P ₂ O ₅	Antigen					Korn					33
			Ant. un	Ant. un	Vil. un	Ant. un	Ant. un	Ant. un	Ant. un	Ant. un	Ant. un		
-	-	-	12.0	-	3.3	44.3	12.3	-	65.0	20.3	2.3	9.3	11.3
-	-	-	4.4	-	5.9	5.0	4.0	-	72.7	13.7	-	0.6	12.7
-	-	-	4.1	-	2.0	12.5	15.4	-	89.0	8.2	0.5	-	2.3
-	-	-	4.9	-	3.9	55.3	21.5	-	86.3	10.0	1.7	-	2.0
-	-	-	7.0	0.2	5.8	25.5	3.8	-	80.7	15.7	0.9	0.7	2.0

, 9553, 9561, 9829, 9880, 9851, 9863, 9864

D₂ in sand de granit

	22	2-1	1-05	0.5-0.25	0.25-0.1	0.1-0.05	0.05-0.01	0.01-0.005	d ₂ in
9444	-	-	-	0.5	1.0	16.1	4.0	-	-
7102	-	-	-	0.4	0.2	9.2	14.4	26.7	39.0
7183	-	0.1	0.3	0.2	0.1	1.6	18.3	16.3	59.1
7193	-	-	0.1	0.1	0.1	3.7	24.5	28.6	51.1
7154	0.2	-	-	0.1	0.2	19.3	6.3	29.8	41.6
9813	-	0.1	-	0.1	0.1	4.1	33.3	14.8	59.2
9841	-	-	-	0.1	0.3	12.2	34.9	16.6	45.8
9842	-	0.2	-	0.1	0.3	7.1	24.7	21.8	30.5
9867	-	-	-	0.1	0.1	0.4	34.4	22.6	45.2
9836	0.1	0.2	0.1	0.2	0.1	9.5	39.0	25.9	38.7
9828	-	-	-	0.2	1.5	9.4	20.6	16.4	34.8
9940	4.5	0.9	0.6	0.9	0.1	12.0	25.0	16.4	45.2
9927	-	-	0.2	0.1	0.4	16.6	18.7	29.2	33.4
9910	-	0.1	0.1	0.3	0.2	2.3	12.7	18.2	45.1
9895	-	-	0.1	0.2	0.2	14.1	32.6	16.8	67.2
9155	-	-	-	0.2	0.1	12.3	16.3	12.2	40.7
9158	-	-	-	-	0.1	12.4	34.5	14.3	57.0
9123	-	-	-	0.1	0.1	4.5	25.9	18.3	34.6
8990	-	0.1	0.1	0.1	0.2	-	-	13.0	56.1
9523	-	0.1	0.2	0.2	0.5	37.4	6.2	12.3	43.1
9734	0.3	0.1	0.1	0.1	0.4	10.4	16.5	16.5	55.6
9729	-	-	-	0.3	0.2	4.8	32.3	6.5	55.9
7188	-	0.1	0.1	-	0.1	0.7	33.0	26.8	39.2
7140	-	-	-	0.2	0.6	20.5	28.2	10.1	40.4
9877	-	-	-	-	0.1	3.4	19.0	42.5	35.0

D₂ in sande alleen naar

	Nis- um	debt jein	CaO	MgO	CaMg (CO ₃) ₂	CaCO ₃
8403	2.65	91.48	0.54	1.01	4.79	3.63
8404	1.10	92.97	0.45	0.90	4.07	2.96
9066	2.78	83.22	1.33	3.10	14.39	2.39
9935	3.12	80.25	2.60	3.94	12.08	1.67
2977	1.94	84.12	1.07	2.90	13.27	2.61
3534	1.95	78.56	1.96	3.99	18.44	2.90
4026	1.26	82.99	0.80	3.50	15.85	1.16

D₂ in sande

Punent, tusselt, alleen, een

9963 alleen	52	2.1	11-0.5	0.5-0.25	0.25-0.1	0.1-0.05	0.05-0.01	0.01-0.001	0.001-0.0001	23.2
9309	-	-	-	-	0.1	7.5	22.6	24.6	45.2	
9780	-	-	0.1	0.1	0.1	5.5	36.8	16.4	41.0	
9935	0.8	-	0.1	0.1	0.4	4.5	22.5	24.6	47.0	
4878	-	-	-	0.1	0.9	3.7	43.5	18.7	33.1	
9532	-	-	0.1	0.2	0.5	1.7	39.0	19.5	39.0	
9501	-	-	0.1	0.1	0.6	13.5	51.0	4.0	30.6	
8947	-	-	0.1	0.1	0.8	9.4	44.8	12.2	32.6	
8929	-	-	-	0.3	2.2	13.9	34.7	16.2	32.6	
9455	-	-	0.1	0.3	6.6	14.4	33.1	14.5	31.0	
8476	0.8	0.1	0.2	1.1	7.5	15.9	26.9	16.5	31.0	
9353	-	-	-	-	0.2	1.5	41.0	26.6	30.7	
7051	-	-	0.1	0.1	1.1	24.2	16.1	30.2	28.2	
4889	-	-	0.1	0.8	6.8	15.9	33.0	16.6	26.8	
8902	1.5	0.1	0.1	0.2	0.8	3.4	49.5	17.9	26.5	
4891	-	-	-	0.1	0.5	4.7	49.4	14.4	30.9	
8463	0.8	0.1	0.2	0.2	0.4	7.0	47.0	18.4	26.6	
9358	-	0.1	0.1	0.4	1.1	26.0	24.1	20.1	28.1	
7002	-	-	0.1	0.2	6.0	19.2	36.7	16.3	26.5	
7012	-	-	-	0.2	0.5	23.3	32.8	14.4	28.8	
9790	-	-	-	0.1	0.5	3.6	35.5	11.7	29.2	
9788	-	-	0.1	0.7	4.6	24.2	35.5	14.0	23.9	

Haruldend elementen

D₂ in

Cu - wits proovden, wds van
 Mn je Ti - 70% proovden, bielden in 0.005%
 Ga, Ni, Cr, V - 50% proovden - vche
 Substieft on named Ga, Cr, V proovden.

D₂ in

Mn - alleen 0.005% ; Sand, meylid - 0.003
 alleen, d. l. d. 0.004
 dol - 0.008

Ga - een 0.0003
 Ni - 0.0002

Uitpand, gelyck.

Ga, Ni je Cr on notid meylid p sande.

D₂ in dol on named elementen
 de proovden in 5 dolovden.

D₂ in wvanden notid on Cu one
 dest vresmed. tussen on amelt ten
 rindden.

D₂ in

Cu alleen on men - 0.001, sande
 Ga - 0.0008% Weet on notid
 alleen, d. l. d. p sande.

Mn - 0.004

Wvanden Cu, Ti, V - een

25% proovden on SW.
 Burtiden on vche vresmed

Kragvere p-aabs. asps 39.810 - 1.1 - Q liivast, p. sark1.1 - 6.0
4.9 4.9

liivast, nõrgalt tumed, punane

6.0 - 8.1
2.1 2.1Alurolit, nõrgalt tumed, sarkas, punakas, punane, peene niiskuse
Intervallid 6.4 - 6.6; 7.1 - 7.3;
7.9 - 8.1 on alurolit kile kile,
liivane.6.5
8.0

Pisortas 2438 - 6.0

AS 4867 - 7.3

A 4868 7.2

5405 - 8.0 (Dipool),
48.1 - 9.0
0.9 0.9Sark, alurolit, punane, peene -
niiskuse

4869 - 8.6

9.0 - 10.1
1.1 1.1Alurolit, nõrgalt tumed, tumed 0.5 m punane,
kõikum 0.2 viitab viit, allane
kile kile

2439 - 9.6

A 4870 - 9.6

4871 - 9.7

10.1 - 10.7
0.6 0.6liivast, alurolit, kile kile
võhna varjundis, peene niiskuse

AL

4872 - 10.9

4872 - graanul

$$19.9 \frac{ar_3}{ar_2}$$

2445 - graunl AL

2442 graunl P

2441 - miner A

10.7 - 11.1
0.4 0.4

aluroot, nra, ilal pumene
violetinauigja, sarica, all
hile helle lsoans

11.1 - 32.3
21.2 15.5

2440 - 11.1
liivaniir, penetruline, alurooty
põingavilkuin, nra, all
hile helle lsoans
pumene, velle violetine
'Kalefepumene'

2443 - 22.4

AL2445 - 27.0

2444 - 32.3

P 2442 - 17.6

4873 - 21.9

A 2441 - 13.4

13.0 A
21.0 A

Intervallid 22.8 - 13.2 A₄
24.0 - 24.2 on liivaniir tugi-
ret alurooty. 21.2 - 21.4 on
alurooty velle helle
31.8 - 31.4 on pumene sarica velle helle

4874 - 31.3

4875 - 13.0

hile on liivaniir tugi-
ret velle helle

4877 - 18.5 hile lsoans

32.3 - 32.4
0.1 0.1

Sari, alurooty, penetruline
alurooty, pumene, pumene
alurooty, hile helle, liivaniir velle
S 4878 - 32.4

32.4 - 33.2
0.8 0.6

liivaniir, nra, tugi-
ret, penetruline, hile helle
2446 - 32.5
alurooty, hile helle, pumene

4879 - 33

kvaatsivann, tvaanend hells-
im (3 pöle).33.2 - 33.3Sart, aluurtine, peene maa-
lemin oas pinnistalepud.

4880 - 33.2

aluvann oas, helle rinne,
kvaatsi voluutid.

4881 - 33.3

33.3 - 33.4

0.1 0.1

Liivann, aluurtine, helle röö,
penetruline.33.4 - 33.5

0.1 0.1

Sart, aluurtine, pinnistalepud,
peente helle voluutidalepud
(2 ann).33.5 - 33.7

0.2 0.15

Liivann, rõu, rõu, peene maa-
lemin trüel, völm - völm.33.7 - 34.0

0.3 0.3

Aluurtine, rõu, rõu, peene maa-
lemin

4882 - 33.9

34.0 - 34.4

0.4 0.3

Liivann, penetruline, aluurtine,
rõu, helle, rõu, rõu, peene maa-
lemin.

4883 - 34.3

34.4 - 35.0

0.6 0.4

Aluurtine, rõu, rõu, peene maa-
lemin, pinnistalepud.

4885 -

4884 - 34.8

kvaatsi aluurtine, rõu.

35.0 - 35.5

0.5 0.3

Aluurtine, rõu, penetruline,
peene maa-lemin, helle rõu, rõu.

2447 - 35.4

4886 gramel A

35.5 - 37.8
2.3 1.0

Aleurolet, sarise, punne,
reskumilid trumit
4885 - 36.5

37.8 - 40.0
2.2 0.8

Aleurolet, noheli liivane, aasand-
net trumit, hellehell ro aene
vargundey, peeneviltid.
4886 - 39.4

aleum 0.4 pumaneviltid.

40.0 - 40.4
0.4 0.2

Aleurolet, sarise, aasand net
trumit, punne, hellehell de aasand-
dex.

40.4 - 40.6
0.2 0.1

Aleurolet, pame deluvalis liivane
reskumilid trumit, hellehell,
rohees, vilanviltid.
4887 - 40.5

40.6 - 40.9
0.3 0.2

Aleurolet, noyelt trumit
hellehell, peeneviltid.

40.9 - 41.3
0.4 0.3

liivane, peeneviltid, noyelt
trumit, pöingaviltid, punne.
4888 - 41.2

41.3 - 41.5
0.2 0.2

Aleurolet, sarise, peeneviltid-
end (horisont), punne, noyelt
trumit.
AS 4889 - 41.4

41.5 - 41.8
0.3 0.2

liivane, peeneviltid, aleurolet
kallaviltid, punne, noyelt
trumit. Allas, helle (0.1)
4890 - 41.6

41.8 - 42.0
0.2 0.2

Sari, tupevald aleurolet, punne
kallaviltid, laandey.
AS 4891 - 41.9

42.0 - 42.5
0.5 0.4

Aleuroloot, pude, pame dalmatins
li vane, isheva hell, nish kish
darely. Aleuroloot on 3m
pamuse sarise velenit
4892 - 42.2

42.5 - 43.2
0.7 0.4

Aleuroloot, pude, alluvie 0.1m
sarise, pumene nesamin on
pumene hell de cavandry.
(lat mae d = 0.5-3m).
Aleuroloot on hill isheva hell,
li vane, voljeu kavandry.
(0.2-2m).
4893 - 42.8
4894 - 43.15

43.2 - 43.25
0.05 0.05

Brentia. Neris d 0.5-4m
Neris d dolomites, be-
ment - rickles d'ip' dol.
aleuroloot
4895 - 43.2

43.25 - 43.28
0.03 0.03

Dolomites, pelitomorphic,
hill hall
4896 - 43.26

43.28 - 43.50
0.22 0.2

Aleuroloot, sarise, n'gela
nen nesaminet, trent
(dwe), pumase violet
4897 - 43.4

43.5 - 46.9
3.4 2.8

Lisvane, penebros, rose
aspenes, horisat pish msh
ken, n'gela trent.
4898 - 45.8
Neris d 0.8 m aleuroloot.
[2449] - 44 m
Pened sarisheva d'ip' aleuroloot
mud 0.6 m aleuroloot.

ar
~~ar~~
m

2449 - msh

av2
av1

2450 - mures

8905 - keem anel

46.9 - 48.4
1.5 1.4

Alleurolst, keemine, one
pune ja hell, keemise
tuumat. allpool punane,
sarnas, helleda keemise
hõbe alumi one helles,
violetne, dolom.

2450 - 47.6
4899 - 47.8
4900 48
8900 48.1

48.4 - 48.5
0.1 0.1

Lilvane, keem. tuum, peenelise
heli hell, puna (allpool)
8902 - 48.5

48.5 - 49.5
1.0 0.7

Alleurolst: 48.5 - 48.7 punane, püde, sarnas
48.7 - 48.9 - püde, hall
48.9 - 49.0 - alumiit keem
dol, violetne, dt keemise
49.0 - 49.5 - dol. tüpe
violetne, kargja keemise
alumiin, one 3cm paus
heli violetne dol. valge alumi.
8903 - 49.0
8904 - 49.2
8905 - 49.4
8906 - 49.5

49.5 - 49.7
0.2 0.2

Sari, alleurolst, punane hell
sarnas alleurolsti vahetuse
dus (0.5 - 2cm)
8907 - 49.6

49.7 - 51.0
1.3 1.2

Alleurolst, keemise tuum
puna, alumiin, one sarnas sari
keemise, heli helleda püde
alleurolsti vahetuse (3-8cm)
8910 - 50.4
8911 - 50.0

8705
43.35
3770

2451 - mineer

2452 - mineer

51.0 - 52.0 Liivani, kõrgelt kuni keskmiselt
1.0 0.8 tume, penetraalne, punane,
pune 'horisont. allkirsun
8912 - 51.8

52.0 - 52.15 Sars, alusvõre, punane
0.15 0.15

52.15 - 52.3 Alusvõre, keskmiselt tume
0.15 0.15 punane, heleda lavandri.

52.3 - 54.6 Liivani, keskmiselt tume,
0.3 2.1 penetraalne, penetraalne
violetne, roosa, punane, punane
horisont. allkirsun. 54.4 m
nigavus 3 cm punane allkirsun
liivani allkirsun

2451 - 52.6
2913 54.0
8914 54.6

54.6 - 56.9 Alusvõre. Intervallid
2.3 2.0 54.6 - 55.3 violetne, punane
55.3 - 55.6 - liivani, oranz,
helehele
55.6 - 56.5 - sars, helehele,
violetne, sars vahemik
56.5 - 56.9 - helehele, dol

8915 - 55.4

8916 55.5

8917 55.8

2452 - 56.8

56.9 - 57.05 Dolomid, pektomorfne, helehele
0.15 0.15 8918 - 57

8919 - 56.9 alusvõre, hele, violetne
8920 - 56.95 varjundis, Dol sars vahemik (2.4)

2453- min

57.05 - 58.3
1.25 1.8

45
Alurolot, nemunisch trane
dol. horizontaal uithoud
(pen). Alurolot over pen
niet uithoud, violettes, helle
penne, 57.7 superius 3m penne
niet penne alurolot dol.
vakenicht

8921 - 57.2

8922 58.2

8923 57.9

8924 - 57.7 - dol

58.3 - 59.7
1.1 0.8

Livaria, penne uithoud, penne
penne, horizont. uithoud
Alurolot 0.4 m alurolot
[2453] - 59.3

59.4 - 60.0
0.6 0.5

Alurolot, Alurolot over saris
nemunisch trane, violettes
saris, Alurolot over 100m
penne, horizont. uithoud, penne
8925 - 59.3
8926 59.9

60.0 - 60.6
0.6 0.5

Saris, alurolot, penne helle
Alurolot vakenicht
AS 8927 - 60.4

60.6 - 61.3
0.7 0.3

Alurolot, 100m, nemunisch
trane penne, Alurolot over
helle uithoud (0.2)
8928 - 60.9

61.3 - 62.8
1.5 0.9

Alurolot, saris, nemunisch
trane, penne uithoud (horizont)
vakenicht violettes, saris
penne, 100m
8929 - 61.5

2454 - mm

8933 mm

has on
? 2455

62.8 - 63.9
1.1 0.9 Alluvial, unconsolidated, recent
penetrable (horizontal), porous!
(2454) - 64.2

63.9 - 65.0
1.1 0.7 Alluvial, lixivated, unconsolidated
in part, penetrable
63.9 - 64.3 - blue shales
64.3 - 64.6 - pure
64.6 - 64.8 - blue shales
64.8 - 65.0 - violet,
lign, dolomitic.
8931 - 64.9

65.0 - Unleached, platy, tabular
upper thin 4 cm, poor 8932

65.0 - 65.1
0.1 0.1 Dolomite, relic structure,
blue, when variegated,
aluminous, some baritic, pale.
8933 - 65.0
8934 - 65.1

65.1 - 65.2
0.1 0.1 Sand, blue
S 8935 - 65.2

65.2 - 66.8
1.6 1.0 Alluvial, under new alluvium -
not tumbled, unconsolidated 10 cm
thick, dolomitic, violet
65.3 - 66.0 - lixivated, when
pure
66.1 - 66.8 - baritic, when
is violet
8936 - 66
8937 66.7

66.8 - 66.85
0.05 0.05 Dolomite, when all, relic
8938 - 66.8

D₂nr^K

25,6

Lk 66%

A 30%

S 4%

qⁿ D₂ ar
K $\frac{q^n}{D_2} D_2 ar$

2456 - m

66.85 - 67.6
0.75 0.4

Alurolot, dolonid a tuxes
penenit h (horisat) till
min are bilisone keli,
alumin roosanes punes.
8939 - 67

67.6 - 67.7
0.1 0.1

Dolonit, violeties ja hell,
lainjad white pindade
mood punes.
8940 - 67.6

67.7 - 71.1
3.7 2.9

Alurolot, lijavuus 67.7 - 67.9
roheas, vesamist timent.
67.9 - 68.8 - sarhes, violeties puny
mha hell, punes
68.8 - 69.0 - tuxes sarhes, vio-
lities, hell punes
69.0 - 69.8 - violeties punes
min vesamine niglet dol.
69.8 - 71.1 - roheas, punes min
vesamine (bivaneas), lig 20.5
5 cm paasune punes roheas.
6930 - 67.8
8941 - 68.9
2456 - 67.8
~~2457 - 72.3~~

71.1 - 72.4
1.3 0.2

lijavuini, penetades, alurolot
punes vesamist timent,
penenit h (horisat).
2457 - 72.3

72.4 - 73.3
0.9 0.6

Sart, alurolot, violeties nig
alumin on punes
8942 - 72.5

73.3 - 74.1
0.8 0.2

Alurolot, sarhes dol, tuxes
violeties, narpie murede.
8943 - 73.7

74.1 - 74.35
0.25 . 0.25

Alurolit, tuper, roheas,
aluminis, osas, helide
dolomida vahenitid, d.
Dol. paars, murent alle
pave (1-5 m).

8944 - 74.3

74.35 - 75.0
0.65 0.2

Roheas, aemnickel, timent.
alurolid, p. puides pui
sartne alurolas, vaheldu-
mis (0.5 - 3 m).

75.0 - 75.3
0.3 0.2

Livavint, penetraals, kaskid-
net, timent, horisontaals
nihilisurap (pen), aluminis,
osas, oras, aluminis, hile-
hile

8945 - 75.2

75.3 - 76.4
1.1 0.6

Alurolit, puid, sariid, pene-
nihilis (horisont), puidane,
roheas, sariid, vahenitid.
dys. Allpool roheas

8946 - 75.9

8949 - 76.2

5413 - 75.8

76.4 - 84.0
7.6 5.5

Livavint, penetraals, kaskid-
timent (enam. vahan, horisont),
nleamisaalid, nihpindur moid,
puidane, aluminis 10 cm
hilehile

2458 - 78.0

2459 - 80.6

2460 - 83.65

8948 - 84

5414 - 84

81.6 0.2 m paars hilehile
dol. aluminis vahenitid. 8949-81.7

kor

hr

min

A

hor pwn

~~hor~~
~~gr~~

84.0 - 84.2
0.2 0.15

84.2 - 85.0
0.8 0.8

85.0 - 85.2
0.2 0.2

85.2 - 85.3
0.1 0.1

85.3 - 86.6
1.3 1.2

A

86.6 - 87.3
0.7 0.6

sari, puna, tyyvästi aluunha
8950 - 84.1

Aluunha, tyyvästi, violetti es.
puna, hile hilede, laundry
ja vohuakidohu. Aluunha
p aluunha 10m hilekohu.
nelli

8951 - 84.5

8952 85.0

Aluunha, tyyvästi, violetti
puna dol, aluunha 10m
sariked, violetti.

Aluunha, sari liivaa,
tyyvästi hilekohu hile.

8953 - 85.3

liivaa, penetraali, veskimä
net tyyvästi puna, pene-
sileu (nelli), koki
violetti, aluunha

8515 - 86.5

8954 - 86.0

Aluunha, puna puna
veskimä, aluunha es.
sari es, violetti, puna
3cm puna hilede aluunha
liide vohuakidohu.

8955 - 86.8

Aluunha es, liivaa,
puna, vohuakidohu
laundry.

8956 - 87.2

87.3 - 87.5
0.2 0.2

Livianir, vesumiet tremet
~~penum~~ ~~holleum~~ ~~lesumiet~~
~~8956 - 87.2~~
penetuals, alcuritn, peene
nilein, roane, hell.
8957 - 87.4

87.5 - 87.6
0.1 0.1

Sari, alcuritn violerapum,
penenilein (horisont).
8958 - 87.6

87.6 - 89.7
2.1 1.0

Alcuritn, alcuritn 1.3 m
vesumiet tremet, turpelt
sartne, violitinespum, hel-
rheas hell. Alcuritn ore paper,
dol-sartne, violitn.
8959 - 89.0
8960 - 88.2

89.7 - 89.8
0.1 0.1

Sari, alcuritn-dol, violitn
pe penum
8958

89.8 - 91.7
1.9 1.2

Alcuritn. Turvellies 89.8-90.3
vesumiet tremet, sartne,
penum, helerohes hell
8959
90.3 - 90.7 livanes, wayer,
helerohes hell, notis violitn
90.7 - 91.1 - violitn turin
91.1 - 91.7 - vesumiet tremet,
penum, helerohes hell
8959
8961 - 90.4
8962 - 90.5

91.7 - 92.5
6.8 0.6

Alcuritn, peede sartne
violitinespum, vesumiet ore,
violitn, dol-mur (8960)
8963 - 91.8

25/6
4
un2
un23

92.5 - 93.2
1.2 0.9

Alurodit, lavane, lavane
murens allapack, tiger
roorane, pun, kocheti and
v. henti v. chemically (0.5-3m)

(2527) - 93.5
8964 - 92.7

93.7 - 96.6
2.9 1.2

L
Lavane, pennetale, pule
Alurodit, oas, rosc, alu-
min and aluminum 40m
v. chemically timent

8965 - 94.7

(2528) - 96.2
(2529) - 96.6

96.6 - 96.9
0.3 0.2

Sari, alurodit, dolomite
v. chemically timent,
violet.

96.9 - 97.4
0.5 0.7

Alurodit, v. chemically timent,
pun.
8966 - 97.1

97.4 - 97.7
0.3 0.2

Sari, alurodit - dol, violet
hellish, timent.
8967 - 97.5

97.7 - 98.0
0.3 0.2

Alurodit, tiger, violet
pun, hellide, lavane,
dolomite.
2530 - 98.0

98.0 - 99.0
1.0 0.9

Sari, alurodit - dolomite
tipva, poolanije, murens,
violet, hellide, aluminum
0.4 puna, even alurodit.
8968 - 98.2
8969 - 98.8

Denr L+V

32.5

Down 68%

Dol 18%

Saw 8%

Al 6%

3 4

3 3

99.0 - 100.4
1.4 1.3

Mergl, alluvioos 0.9 m
violetne hells pinnale
laundage, alluvioos alluvioos-
res osa, enam sarbo-
nastum, hell

2531 - 99.4

8970 - 100.2

100.4 - 100.5
0.1 0.1

Dolomist, sarbo, hell hell,
8971 - 100.4

100.5 - 102.1
1.6 1.6

Mergl, alluvioos, karpje
murdip, violetne hell je pinn
hallide laundage, alluvioos
enam dolomistne je sarbo,
hell

2531 - violetne hell mergl

8972 - 101.1

8970 (alluvioos sarbo)

5415 - 102

102.1 - 103.6
1.5 1.3

Mergl, sarbo, hell, karpje
murdip, alluvioos 0.7 sohnus
voheli peeneti (2-5 m) sohnus
vohemistide - alluvioos, enam
dolomistne vohemistide (3-5 m).

8973 - 102.6

8974 - 103.5

5416 - 103 Orinistne vanduum

103.6 - 103.8
0.2 0.2

Vaheldurad (1-4 m) hell sarbo
dol. je hell dol. sarbo.

8975 - 103.7 - dol

8976 103.7 - sar

5417 - 103.7

103.8 - 104.9
1.1 1.1

Alluvioos, sarbo-dol, tugev,
pinn (harva violetne). Same-nimetus
sarn

$\frac{m_2}{n_2}$
 $\frac{m_2}{n_2}$

$\frac{m_2}{n_2}$
 $\frac{m_2}{n_2}$

$\frac{m_2}{n_2}$

$\frac{m_2}{n_2}$

8977 - 104.2

5418 - 103.9

5419 - 104.5

$$\frac{104.9 - 105.6}{0.7 \quad 0.7}$$

Mergl, hall, alumina, on violet
nes, allpool munitb enam
karbonatmen.

8978 - 104.2

8979 - 105.6

$$\frac{105.6 - 105.7}{0.1 \quad 0.1}$$

bleurol, violetnes, samer-dol
8980 - 105.6

$$\frac{105.7 - 106.4}{0.7 \quad 0.7}$$

Mergl, hall, karpje
8981 - 106

$$\frac{106.4 - 106.6}{0.2 \quad 0.2}$$

Dolomit, hell, samer, wach
wartst in Salz (0.5 mm).
8982 - 105.5

$$\frac{106.6 - 106.9}{0.3 \quad 0.2}$$

Mergl, violetneshell, alumina
5 am allwinda, pumma

$$\frac{106.9 - 107.0}{0.1 \quad 0.1}$$

Dolomit, pumma, hellwinda
8983 - 107.0

$$\frac{107.0 - 107.6}{0.6 \quad 0.5}$$

Mergl, samer, pumma, hellwinda
(hori out), hell pumma
lumma

8984 - 107.5

Kernend 0.1 m pumma

8985 - 107.3

$$\frac{107.9 - 109.0}{1.1 \quad 1.1}$$

Mergl, karpje munda, alumina
on samer, alumina, dolomitne
je helle. Karpje munda podapa-
winda dol. vchublichy, nizavos-

8988 - 107.60 - 107.67 - 8988

8989 - 107.90 - 108.00

3

2

unabtered

$$\frac{1}{100}$$

100

? $\frac{1}{100}$ $\frac{1}{100}$
100 100

108.15 - 108.23 - 8989

108.50 - 108.57 - 8989

108.92 - 109.0 - 8989

8986 - 108

8987 - 108.8

109.0 - 109.7

0.7 0.6

Jant, dol, hee

8990 - 109.1

109.7 - 110.8

1.1 1.0

Dolomst, hee, petitoanone

8991 - 110.2

110.8 - 111.1

0.3 0.2

Mergel, hee, kargja murely.

111.1 - 112.6

1.5 1.4

Dolomst, hee, petitoanone

8992 - 111.4

afenshe (en 112.2 - 112.3), tüper,
merch nellwöl murely
murely (0.5 - 2m)

8993 - 112.3

tümmin 8 can sandes ja dol.
and tümmin anstom

8995 - 111.1

Dolomst on 1-15 cm püth
hee murely vellewöl tüper111.6 on 2 cm püth tümmin
hee murely vellewöl

sant vellewöl

8994 - 111.6

112.6 - 129.4

16.8 16.8

Mergel, dol (aluminium ore,
enem dolomst), kargja murely
ge, nitateshell, aschli vellewöl
murely vellewöl

8995 - 113.0

8996 - 115.5

8997 - 123.2

55
Allerminet 0.8 m rannet p. plem -
villuina, rannet illuina 0.6 m
8998 - 129

~~Illuina 0.6 m~~

Intervalliden:

112.6 - 112.7

117.1 - 117.3

118.3 - 118.55 - 8999 - 118.4

124.2 - 124.3

127.9 - 129.0 - 9000 - 128.0

128.7 - 128.8

eristatut tunneli plemmide

dol. rannet vohuina

Dol. vohuina eristatut plemmide

in intervalliden:

112.4 - 112.5 - postat, kull 9001 - 112.4

112.9 - 113.0 - 9001

114.75 - 115.0 - peliknops, kull 9002 - 114.9

115.4 - 115.48 - af., kulluina, rannet

kuu kulluina, eristatut

plemmed kulluina (0.5-2m), mis on

tõrgetud kulluina plemmide

kristallid. 9003 - 115.4

115.5 - 115.65 - 9002

116.0 - 116.05 - postat, kulluina, kulluina rannet

116.2 - 116.3 - 9001

116.6 - 116.68 - af., kulluina, kulluina

kulluina, kulluina, kulluina kulluina

(0.5-2m), mis on tõrgetud

plemmed p kulluina

9004 - 116.6

117.0 - 117.1 - 9001

118.2 - 118.3 - 9001

118.55 - 118.6 - kulluina, rannet, plemmide

kulluina dol rannet vohuina

(1-3m) - 9005 - 118.6

118.8 - 118.95 - kulluina, peliknops

9006 - 118.9

land
to

$$\frac{130.5 - 131.4}{0.9} = \frac{-0.9}{0.9} = -1$$
$$\begin{array}{r} 131.4 - 131.7 \\ \hline 0.3 \qquad 0.2 \end{array}$$
$$\begin{array}{r} 131.7 - 135.6 \\ \hline 3.9 \qquad \qquad 2.9 \end{array}$$
$$\frac{135.6 - 132.1}{0.5 - 0.4}$$
$$\frac{136.1 - 142.8}{6.7 \quad 4.5}$$

Prehistoric, harbored - almost
personified treatment - to be held
military harrowed vegetation
(0.5 - 2 m). Vines of all kinds -
valued observations
9013 - 130.4

Lutjanus obs.- alluvial
renewed this year, but also
possibly the best of water. saw
valley below (0.5-2m)
9014 - 131.0

divacine, nesunic acid semi type -
vel. transient, dol. butyric, butyric,
butyric
9015 - 131.5

Luovaini, pienet alin, rypel
 heinät kalleamiksi / rypel
 valjen diina, keltorauk, alle
 harva-ee violetta / taa
 2533 - 132.3
 2534 - 134.0

Levanin, penicillalis seen
at the, under, rock, and in
hill, where, near
9016 - 135.8

Liocassis penetrator *pull*
non nemine, *ballon* *imp*
hleroceras *hell* *videlicet* *tridactyl*
ja *varian* *and* *ear* *in* *clay*
anti *inter* *hell* *clay* - 136.5 - 136.9; 136.7; 136.8; 138.0
2535 - 139.0
2536 - 139.9
9016 - 136.2

Signum 142.8 - 142.95 on 60000
penetration, dolomite, cyan, violet;

Kerwanahell

9017 - 142.8

142.85 - 154.3

11.45 1.8

Livianir, blager, peene uen
kerwanahell, violetine, ker-
kerhell, dolomide.

9017a - 143.1

9018 - 145.0

Erased, polished, penetrative
aluminum, livianir, vanderbilt

2537 - 143.4

2538 - 147.5

2539 151.6

2540 - 154.3

154.3 - 154.9

0.6 0.4

Livianir, dolomite, penetrative
liv, blager, violetine, kerhell,

9019 - 154.5

2541 - 154.4

154.9 - 155.0

0.1 0.1

Kollaglomerat: blager
dol. penetrative livianir
helvarti immanetud veer-
type (1-3m). Kerhell 3 dol-
omite

9020 - 155

155

blager dolomite

Dz

Synth

$$\begin{array}{r}
 155.0 \\
 130.5 \\
 \hline
 24.5
 \end{array}$$

Saadjäre p-a

Abs. wgn 9.0.0

0-90.4 Q Saad wu p wren.90.4-92.8
2.4 1.5Brentsta, hellne usign,
7823-92.0
vabemats des sarinet
eloloniti

7824-91.47

hell alenroeti (sarinet)

7825-91.7

Alumins ora peenitw

7825-92.8

92.8-96.0
3.8 0.1Livanis, tupe, abavorden
terisuse, violetw.
7827-93.1268 Valguta - abs. wgn 92.71-
fale vintur
Stepe - abs. wgn 116.79.Q
DemDem
Drp

D₂nr^v 23,6

S 57%

D 29%

Al 14%

Q
D₂m

3
2

Laeva muunn

abs. roym 39.94

0-5.0 - Q - wv, sar wv

5.0-7.0
2.0 1.8

Sar, alustne, karbonaattne, kell
muri, maastell, rehee värgin-
dige, violetistne kaurandis,
pooluuppe murdis.

3519 - 6.2

3520 - 6.0

3521 - 6.0

3757 - 6.9

7.0-8.8
1.8 1.4

Alustne, sarines, uhetis peene
kristallne lõuane vahemik d.
vahemikist arast sarist
dolomiti. Kirin on värgin-
närilise, valdab punasepun-
värvi, uhetis violetistne
ja kelleid laigud ja voh-
arid. Kirin on peene ja
karmimisevõime

3522 - 7.5

3523 - 8.3

3524 - 8.35

8.8-18.7
9.9 6.3

Vahelduvad dolomiti (valdab)
(5-15cm)
ja sarines alustne (uhetis
alustne sar) pausid.
0.5 cm - 0.5 mm. Kihistunud chertne
alustne on pausid. D₂ on
peituvistaluse sarines, kellell
muri koll uhetis värgin
ke värginid, või violetistne
kaurandis. Tihki peene (1mm-1cm)
keltide sooned. Väime-
tuge on

Dent
Dzpr ?

Dzpr pr

27.0 - 28.4

Koheli laamans on hillhell
aen hell. Valaend aavend
(5m) je sooned (2-3m) - hills -
dist. Koheli peen waanmaes.
reelsde niver

- 3538 - 25.2
- 3539 - 24.5
- 3540 - 25.8
- 3541 - 25.2
- 3542 - 25.7
- 3543 - 25.8
- 3544 - 27.7 - foun.
- 3545 - 27.7

28.4 - 28.6
0.2 0.2

Dolomit, konglomerietne PSH -
nerris ehwes aen 0.5 m
murend water ja dol.
terad. sarras hillhell
puren de raia laamans.
Peen waanmaes de
niver

- Damend harvot aavend
murend 2-3 m.
- 3547 - 28.5
- 3548 - 28.55

28.6 - 28.8
0.2 0.1

Livann, abavorde foramen.
nxe, karbonetne murend.
Tiche, hillhell n-xelt sarras
puren de raia laamans
dep. Aluminis oes tuachell
punitimurend laqua aluminis
was on pisolite (5 cm)
hall nemistraline wals
livannis. Peen waesmaes.

- 3549 - 28.7
- 3550 - 28.75

pr

28.8 - 29.7
0.9 0.7

Dolomist breuturic, havörönd
levirunye lvvaniv tunendip,
hlehelli jöhvannis on nnn
6 an celiwöö dnye mustad
veernd, mis nialder ar
naaannuvali: puvti galeniti
je sfaleviti. klovon an
havernoome (havend an
2an). havendide reuod an
aactid dol. kristellidye,
kristellid penid aen nnn-
nd, dnye sava hlehelli,
harva puvvise vavvndip.

3551 - 29.3

3552 - 29.3

3553 - 29.3

29.7 — Sren labjann ar
Sad.