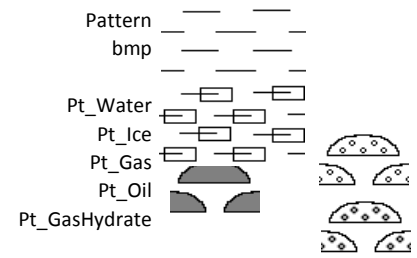


**\* Samples of Rock Properties**

\* **Note:** Average By general literature

\* **File:** \_Samples\_Rock\_Properties\_-Hydro\_Carbonates-.txt

#	1	Samples Hydro_Carbonates			
#	Name	P-Vel	S-Vel	Density	Q-factor
#	txt	m/s	m/s	kg/m3	-
0	Hydro_Carbonates_Min	800	0.1	900	3
1	Water	1500	0.25	1000	40
2	Ice	3600	2050	900	50
3	Gas_Collector	3000	1200	2200	10
4	Oil_Collector	3500	1500	2400	20
5	Gas-Hidrate_Collector	2000	800	1800	5
999	Hydro_Carbonates_Max	6000	3000	2800	50



**\* Samples of Rock Properties**

\* **Note:** Average By general literature

\* **File:** \_Samples\_Rock Properties\_-Sediments-.txt

#	2	Samples Sediments					
#	Name	P-Vel	S-Vel	Density	Q-factor	Pattern	
#	txt	m/s	m/s	kg/m3	-	bmp	
0	Sediments_Min	400	150	900	5		
1	Aleurolite_[Min]	800	450	1800	20	Pt_Aleurolite	
2	Aleurolite_[Avr]	2400	1300	2350	30	Pt_Aleurolite	
3	Aleurolite_[Max]	4000	2200	2800	40	Pt_Aleurolite	
4	Anhydrite_[Min]	1500	800	2400	20	Pt_Anhydrite	
5	Anhydrite_[Avr]	4000	2200	2550	30	Pt_Anhydrite	
6	Anhydrite_[Max]	6000	3300	2900	40	Pt_Anhydrite	
7	Argillite_[Min]	900	500	1700	20	Pt_Argillite	
8	Argillite_[Avr]	3000	1650	2350	30	Pt_Argillite	
9	Argillite_[Max]	4500	2500	2900	40	Pt_Argillite	
10	Clay_[Min]	500	200	1200	20	Pt_Clay	
11	Clay_[Avr]	1800	600	1800	30	Pt_Clay	
12	Clay_[Max]	3000	1000	2400	40	Pt_Clay	
13	Dolomite_[Min]	1000	550	1900	20	Pt_Dolomite	
14	Dolomite_[Avr]	4000	2200	2700	30	Pt_Dolomite	
15	Dolomite_[Max]	6000	3300	3000	40	Pt_Dolomite	
16	Gypsum_[Min]	1500	800	2100	20	Pt_Gypsum	
17	Gypsum_[Avr]	3000	1650	2400	30	Pt_Gypsum	
18	Gypsum_[Max]	4600	2500	2500	40	Pt_Gypsum	
19	LimeStone_[Min]	1000	550	1800	20	Pt_LimeStone	
20	LimeStone_[Avr]	5000	2700	2600	30	Pt_LimeStone	
21	LimeStone_[Max]	6500	3600	2900	40	Pt_LimeStone	
22	Marl_[Min]	1300	600	1500	20	Pt_Marl	
23	Marl_[Avr]	3000	1400	2300	30	Pt_Marl	
24	Marl_[Max]	4500	2000	2800	40	Pt_Marl	
25	Salt_Rock_[Min]	4500	2500	2150	20	Pt_SaltRock	
26	Salt_Rock_[Avr]	4800	2700	2200	30	Pt_SaltRock	
27	Salt_Rock_[Max]	5000	2800	2300	40	Pt_SaltRock	
28	Sand_[Min]	300	100	1300	20	Pt_Sand	
29	Sand_[Avr]	1000	250	1600	30	Pt_Sand	
30	Sand_[Max]	1500	300	2000	40	Pt_Sand	
31	Sand_Clay_[Min]	800	450	1500	20	Pt_SandClay	
32	Sand_Clay_[Avr]	1200	650	1700	30	Pt_SandClay	
33	Sand_Clay_[Max]	1800	1000	2000	40	Pt_SandClay	
34	Sandstone_[Min]	3000	1500	2000	20	Pt_Sandstone	
35	Sandstone_[Avr]	4500	2300	2500	30	Pt_Sandstone	
36	Sandstone_[Max]	5500	2800	2900	40	Pt_Sandstone	
37	Shale_[Min]	3000	1650	2300	20	Pt_Shale	
38	Shale_[Avr]	3500	1800	2500	30	Pt_Shale	
39	Shale_[Max]	5000	2700	3000	40	Pt_Shale	
999	Sediments_Max	7000	4000	3100	50		

**\* Samples of Rock Properties**

\* **Note:** Average By general literature


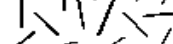

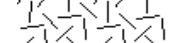





\* **File:** \_Samples\_Rock Properties\_-Metamorphic-.txt

#	3	Samples Metamorphic					Pattern
#	Name	P-Vel	S-Vel	Density	Q-factor		Pattern
#	txt	m/s	m/s	kg/m3	-		bmp
0	Metamorphic_Min	4000	2500	2200	20		
1	Amphibolite_[Min]	6200	3600	2850	30	Pt_Amphibolite	
2	Amphibolite_[Avr]	6500	3900	3000	40	Pt_Amphibolite	
3	Amphibolite_[Max]	6800	4200	3100	50	Pt_Amphibolite	
4	Crystalline_Schist_[Min]	5500	3000	2600	30	Pt_CrystSchist	
5	Crystalline_Schist_[Avr]	5750	3200	2700	40	Pt_CrystSchist	
6	Crystalline_Schist_[Max]	6000	3500	2800	50	Pt_CrystSchist	
7	Gneiss_[Min]	5800	3050	2600	30	Pt_Gneiss	
8	Gneiss_[Avr]	5850	3300	2750	40	Pt_Gneiss	
9	Gneiss_[Max]	6100	3450	2900	50	Pt_Gneiss	
10	Granulite_[Min]	5800	3100	2830	30	Pt_Granulite	
11	Granulite_[Avr]	6200	3500	2850	40	Pt_Granulite	
12	Granulite[Max]	7000	4300	3000	50	Pt_Granulite	
13	Migmatite_[Min]	5600	3000	2600	30	Pt_Migmatite	
14	Migmatite_[Avr]	5800	3050	2650	40	Pt_Migmatite	
15	Migmatite_[Max]	6000	3300	2700	50	Pt_Migmatite	
999	Metamorphic_Max	7500	4500	3200	70		

**\* Samples of Rock Properties**

\* **Note:** Average By general literature

\* **File:** \_Samples\_Rock Properties\_-Effusive-.txt

#	4	Samples Effusive					
#	Name	P-Vel	S-Vel	Density	Q-factor	Pattern	
#	txt	m/s	m/s	kg/m3	-	bmp	
0	Effusive_Min	3000	1800	2000	30		
1	a_Liparite_[Min]	4000	2500	2150	40	Pt_AcidEffusive	
2	a_Liparite_[Avr]	4900	3000	2350	50	Pt_AcidEffusive	
3	a_Liparite_[Max]	5300	3200	2450	60	Pt_AcidEffusive	
4	m_Andesite_[Min]	4700	2800	2450	40	Pt_Effusive	
5	m_Andesite_[Avr]	5000	3000	2600	50	Pt_Effusive	
6	m_Andesite_[Max]	5400	3300	2650	60	Pt_Effusive	
7	b_Basalt_[Min]	4900	2800	2600	40	Pt_Basalt	
8	b_Basalt_[Avr]	5200	2900	2700	50	Pt_Basalt	
9	b_Basalt_[Max]	5500	2950	2800	60	Pt_Basalt	
999	Effusive_Max	6500	3500	3000	80		

**\* Samples of Rock Properties**

\* Note: Average By general literature

\* File: \_Samples\_Rock Properties\_-Intrusive-.txt

#	5	Samples Intrusive				Pattern
#	Name	P-Vel	S-Vel	Density	Q-factor	
#	txt	m/s	m/s	kg/m3	-	bmp
0	Intrusive_Min	4500	2200	2500	40	
1	a_Granite_[Min]	5350	2850	2550	50	Pt_Granite + + +
2	a_Granite_[Avr]	5600	3100	2600	60	Pt_Granite + + + +
3	a_Granite_[Max]	5800	3200	2680	70	Pt_Granite + + +
4	a_Granodiorite_[Min]	5900	3250	2640	50	Pt_Granodiorite ^ ^ ^ + ^ ^ ^ -
5	a_Granodiorite_[Avr]	5950	3300	2700	60	Pt_Granodiorite + x x + x x
6	a_Granodiorite_[Max]	6000	3350	2780	70	Pt_Granodiorite < + + x + + >
7	m_Anorthosite_[Min]	5950	3300	2700	50	Pt_Anorthosite J J J
8	m_Anorthosite_[Avr]	6000	3400	2730	60	Pt_Anorthosite J J J J
9	m_Anorthosite_[Max]	6100	3450	2760	70	Pt_Anorthosite J J J
10	mb_Diorite_[Min]	6100	2670	3400	50	Pt_Diorite x x x x
11	mb_Diorite_[Avr]	6200	2800	3500	60	Pt_Diorite x x x x x
12	mb_Diorite_[Max]	6300	3650	3550	70	Pt_Diorite x x x
13	mb_Diabase_[Min]	6200	3550	2750	50	Pt_Diabase L L L
14	mb_Diabase_[Avr]	6400	3650	2900	60	Pt_Diabase L L L L
15	mb_Diabase_[Max]	6700	4000	3100	70	Pt_Diabase L L L L
16	b_Gabbro_[Min]	6400	3650	2850	50	Pt_Gabbro F F F
17	b_Gabbro_[Avr]	6600	3800	2950	60	Pt_Gabbro F F F F
18	b_Gabbro_[Max]	6800	4200	3050	70	Pt_Gabbro F F F F
19	u_Peridotite_[Min]	7450	4150	3230	50	Pt_Peridotite P P P
20	u_Peridotite_[Avr]	7800	4400	3270	60	Pt_Peridotite P P P P
21	u_Peridotite_[Max]	8200	4600	3300	70	Pt_Peridotite P P P P
999	Intrusive_Max	8500	4500	3500	100	