

Stop 2-24, road cut near the big quarry closed							
DATE	LOCATION	COORDINATION				SAMPLE No.	ROCK
2001/09/23		EASTING		NORTHING		AS011	
10:30		22J	0,549,726	UTM	7,258,706	Height	913 m

Photo: 299

The quarry is closed and is located at the mountain west of the road. The quarry is marked on the map of 1 to 250,000.

Gray dolerite, 200 meters in width, makes mountain.

Small amount of pyrite disseminated. Also some amount of pyrite fills fracture.



Problems/task

To compare the sulfur isotope in pyrite between in dykes or sills and sedimentary rocks underlain.



**Stop 2-25, Botucatu formation?**

DATE	LOCATION	COORDINATION				SAMPLE No.	ROCK
		EASTING		NORTHING			
2001/09/23		0,544,909		UTM 7,267,269		KN025	
17:45		22J				Height	807 m

Black shale in Irati formation ? .

Serra Geral formation (Parana basalt)

Boto Cato formation (Eolian, desert sand, yellow)

Rio do Rasto formation (Fluvial)

Strada Nova formation (Fluvial)

Irati formation (Shallow marine)

Photo: 300



**Problems/task**

Can the sulphuric origin be discussed by comparing the sulfur in intrusions and intruded formation such as Irati formation ?



**Stop 2-27, Reserva sill at Reserva**

DATE	LOCATION	COORDINATION				SAMPLE No.	ROCK
2001/09/23	Reserva sill at Reserva	EASTING		NORTHING		AS014	
13:53		22J	0,513,834	UTM	7,275,570	Height	1044 m

On the top of the hill at Reserva.

Old quarry, like blocky hill.

Gabbroic texture is common(pyroxene and plagioclase). Long pyroxene has a 2 to 3 cm observed.

Pyrite along fractures and dissemination at the matrix (0.5 % of pyrite).

Photos: 302-308

