GSA Data Repository Item # 7604			
Title of article Tectonic fabric an	d hydrothermal	activity of	<u>Mid-Atlanti</u> c
Ridge crest (1at 2	6 N)		
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see GSA Bulletin v. 87 , p. 661	- 674		
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Table 2 - Rocks recovered from study a	rea		•
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Table 2: Rocks recovered from the study area of the NOAA Trans-Atlantic Geotraverse (TAG) on the Mid-Atlantic Ridge crest at latitude 26°N (Fig. 3; Rona and others, 1976).

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Rift Valley: Irregularly-shaped area

Station Position Depth (m) Rocks Sampled TAG 1972-10 25°40.5'N Basalt, basalt fragments, basaltic glass, pillow basalt, talus 4,470 45°04.6'W and breccia, palagonite with glass (chain bag dredge; weight 14.95 kg).

Rift Valley: floor of linear segment

Station	Position	Depth (m)	Rocks Sampled .
TAG 1973-4C	26°18.2'N 44°42.1'S	4,262	Plagioclase basalt fragments (core; fragments only; core barrel bent)
TAG 1973-4G	26°19.2'N 44°44.1'W	4,060	Brown clay on volcanic glass (core; recovery 15 cm).

Rift Valley: Southeast wall of linear segment

Station	Position	Depth (m)	Rocks Sampled
TAG 1972-7A	25°18.2'N 45°18.4'W	3,730	Basalt, pillow basalt, vesicular basalt, basalt with palagonite, basalt with glass rim, talus and breccia (chain bag dredge; weight 101.85 kg).
TAG 1972-11	25°40.8'N 45°03.1'W	4,477	Clay, light brown, containing clasts of basaltic glass (core; recovery 60 cm).
TAG 1972-13	26°08.0'N 44°45.0'W	3,080	Hydrothermal manganese crust, basalt, pillow basalt with glass rim, vesicular basalt, basalt talus (altered and unaltered), basalt with plagioclase and olivine phenocrysts, palagonite with glass, siliceous sponge (chain bag dredge; weight 76.68 kgm) (Fig. 2).
TAG 1972-16	26°30.1'N 44°34.6'W	3,570	Basalt, pillow basalt with glass rim, pillow basalt with glass rim and plagioclase phenocrysts, vesicular basalt (chain bag dredge; weight 52.64 kg).

Rift Valley: Southeast wall of linear segment (Cont.)

Station	Position	Depth (m)	Rocks Sampled
TAG 1973-2A	26°09.7'N 44°47.4'W	3,240	Slabs of hydrothermal manganese, basalt talus with matrix of hydrothermal manganese, altered basalt fragments, fragments of pillow basalt with and without glass (chain bag dredge; weight 40.12 kg).
TAG 1973-3A	26°07.3'N 44°48.8'W	3,170	Slabs of hydrothermal manganese, fragments of pillow basalt with and without glass (chain bag dredge; weight 23.09 kg).
TO-75AK62-3B (AK#1674)	25°49.4'N 45°01.5'W	3,160 to 3,080	Mafic volcanic greenstone (pipe dredge; weight about 25 kg).

Rift Valley	: Northwest w	all of linear segm	ent
Station	Position	Depth (m)	Rocks Sampled
TAG 1972-12	25°45.9'N 45°09.8'W	3,440	Basalt (fine grained to diabasic to gabbroic textures), pillow basalt with glass rim (chain bag dredge; weight 78.19 kg).
TAG 1972-17	26°44.5'N 44°37.2'W	3,590	Basalt, pillow basalt with and without glass rim, fragments of pillow basalt with palagonite and glass rims, vesicular basalt, palagonitized glass fragments in matrix of zeolitized sediments (chain bag dredge; weight 184.63 kg).
TAG 1973-5C	26°13.8'N 44°57.0'W	3,010	Pillow basalt without glass (chain bag dredge; weight 0.11 kg).
Transverse Ridge			

Station	Position	Depth (m)	Rocks Sampled
TAG 1972-8	25°22.5'N 44°54.8'W	2,820	Talc and serpentine (chain bag dredge; weight 0.18 kg).
TAG 1972-8A	25°27.2'N 44°54.6'W	3,280	Greenstone, metamorphosed basalt with veins (chain bag dredge; weight 1.31 kg).

Table 2 (Cont.):	Rocks recovered	from the	study area	(Fig. 3)
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Transverse Ridge	(Contd.)	<i>:</i>	
Station	Position	Depth (m)	Rocks Sampled
TAG 1972-15	26°33.9'N 44°30.0'W	3,400	Greenstone or weathered basalt, pyrite disseminated in green- stone (chain bag dredge; weight 9.27 kg).
TAG 1972-19	26°15.9'N 45°06.3'W	3,410 .	Weathered basalt with manganese crust (not hydrothermal) (chain bag dredge ; weight 0.64 kg).
TAG 1972-20	25°39.8'N 45°44.3'W	3,040	Weakly consolidated foraminiferal calcareous mudstone with burrows and manganese crusts (chain bag dredge; weight 0.96 kg).
TAG 1972-22	25°11.9'N 44°51.3'W	3,080	Burrowed manganese-coated limestone (chain bag dredge; weight 1.29 kg).
TAG 1972-23	26°05.4'N 45°07.5'W	3,400	Burrowed manganese-coated limestone (chain bag dredge; weight 0.16 kg).
TAG 1973-6A	26°02.7'N 44°36.8'W	3,190	Basalt blocks with flow-banding and flow margins, basaltic glass, fragments of consolidated limestone bedded with palagonite glass and ash (chain bag dredge; weight 80.24 kg).
TAG 1973-7A,B	26°15.3'N 44°27.0'W	3,390 to 2,410	Blocks of coarse-grained pyroxene-rich gabbro, fractured gabbro with serpentine veins, gabbroic pyroxenite fragments, pegmatitic gabbro fragments, weathered anorthositic gabbro, talus and breccia of weathered anorthositic gabbro with sedimentary matrix, limestone fragment, hypersthene crystals, diabasic basalt fragments (chain bag dredge; weight 101.78 kg).
TO-75AK60-2A (AK#1669)	26°17.8'N 44°24.0'W	2,520 to 1,920	Serpentinized ultramafic cumulate, amphibole-hydrogrossular rock, porphyritic gabbro, altered mafic rocks (low T), diabase, pyroxene cumulate, greenstone (pipe dredge; weight about 12 kg).
TO-75AK61-1A (AK #1671)	26°07.6'N 44°40.5'W	2,600 to 2,000	Mafic volcanic rock both fresh and altered, altered mafic volcanic talus and breccia, fresh and altered glass, palagonite; manganese oxide present as crust on altered basalt talus and as veins in the basalt talus fragments; lower layer of manganese oxide crust up to 10 mm thick composed of hydrothermal manganese; upper layer of manganese oxide crust up to 2 mm thick composed of hydrogenous manganese; one vein of free growing zeolite crystals (potassic Na analcite) up to 5 mm in diameter coating opalized basaltic glass (pipe dredge; weight about 100 kg).
TO-75AK59- 1B (AK#1666)	26°02.7'N 44°35.0'W	3,390 to 3,110	Basalt, fresh and altered glass, palagonite, fine grained diabase, limestone containing volcanic glass fragments (pipe dredge; weight about 18 kg).
Transver	se Valley		

Rocks Sampled

Brown clay (core; recovery 62.5 cm).

Depth (m)

4,110

Position

25°37.4¹N 45°44.2¹W

Station

TAG 1972-21