



TRACECA Programme:
Regional Traffic Database and
Forecasting Model
Data Collection Report
Appendix D3 Data Received for
Georgia
May 1997

**European Union
Takis Programme**

**TRACECA:
Regional Traffic Database and
Forecasting Model
(Project No. WS.93.05/05.01/B008)**

**Data Collection Report
Appendices**

May 1997

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APPENDICES

This appendix is one of eight included as part of the Data Collection Report submitted to TACIS. The appendices contain the data received in response to the questionnaires for each of the TRACECA countries separately.

The eight appendices include:

Appendix D1	Data Received for Armenia
Appendix D2	Data Received for Azerbaijan
Appendix D3	Data Received for Georgia
Appendix D4	Data Received for Kazakhstan
Appendix D5	Data Received for Kyrgystan
Appendix D6	Data Received for Tadjikistan
Appendix D7	Data Received for Turkmenistan
Appendix D8	Data Received for Uzbekistan

Tables I.1 to I.5

Socio Economic and Import/Export Data

Table I.1

Social and economic indices

GEORGIA

(country)

Socio - Economic Indices

Name of Administrative Territory	Zone Number	Area,* km ²	Population, 000s		Gross domestic product in comparable prices			Gross national product in comparable prices		
			Total	Within Major Cities	1994 bln Coupons	1995 mln Lari	1996 mln Lari	1994	1995	1996
1		2	3	4	5	6	7	8	9	10
Kaheti	21	12217	464	108.7						
Shida Kartley	21	7882	485.9	196.1						
Kvemo Kartley	21	6772	601.5	265.5						
Mtianeti	21	4063	43.8	17						
Samtsche-Djavachetey	21	5224	198.8	60.9						
Imereti	21	6349	788.9	428.1						
Racha-Letchumi	21	3224	45.4	10.2						
Samegrelo	21	4395	418.1	171.5						
Guriya	21	2033	160.8	46.9						
Svaneti	21	4389	23.2	4.5						
Achara	21	2900	386.7	182.9						
Abchazeti	21	8660	516.6	243.2						
Tbilisi	21		1271.8	1271.8						
Total For Georgia		68108	4133.7	1735.5	23685.5	1465.9	1213.4			

Source: Department of Socio-Economic Information

Table I.2

Transportation by types of vehicles

GEORGIA

(country)

Zone 21**TRANSPORTATION BY MODES**

n/n	Transport mode	Total Frieght Transported (Million Tonnes Per Annum)					
		Years					
		1990	1991	1992	1993	1994	1995
1	Railway	28.288	20.074	7.695	5.321	2.851	3.283
2	Road transport, total including public transport	167.07	115.132	26.547	10.416	8.168	8.69
3	Water transport (river and sea)	9.127	10.267	5.921	4.603	3.276	1.638
4	Air transport	0.017	0.012	0.007	0.005	0.004	0.002
TOTAL:		204.50	145.485	40.17	20.35	14.30	13.61

n/n	Transport mode	Total Freight Transportation (Billion Tonne.Kilometers)					
		Years					
		1990	1991	1992	1993	1994	1995
1	Railway	12354	9916	3677	1750	1216	1029
2	Road transport, total including transport of common use	2309	1652	387.7	121.4	83.6	130
3	Water transport (river and sea)	61855	52188	37018	32901	25637	14138
4	Air transport	28	26.9	9.2	4.7	5.1	5.8
TOTAL:		76546	63782.9	41091.9	34777.1	26942	15302.8

Source: Department of Socio-Economic Information

Table I.3-1

and

Table 1.4-1

Cargo flow data through the border (import and export)

GEORGIA
(country)

Cargo flows data through the border (import, in tonnes) for 1996

Codes of countries and groups of countries	Code of group of commodities																				Total all commodities	% by group of countries		
	Code of group of commodities																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			21	
1 Tajikistan	0	0	0	28	0	1	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	32	0.0	
4 Kyrgystan	10	0	0	5	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	25	0.0	
7 Uzbekistan	12	0	0	45	0	132	0	0	0	230	24	0	0	0	0	39	0	0	0	0	0	482	0.0	
12 Turkmenistan	0	13	0	0	6,107	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	6,145	0.3	
15 Kazakhstan	84	538	0	0	117	59	0	0	0	82	139	0	0	0	518	0	0	0	0	0	0	1,538	0.1	
21 Georgia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
22 Armenia	0	0	0	19	78,313	2,814	2	0	21	143	16	1	5,231	0	3,535	437	76	0	0	8	0	90,616	4.9	
23 Azerbaijan	427	158	126	783	380,739	22,827	6,053	0	0	48	111	0	0	0	10,604	45	7	24	0	7	0	421,960	22.6	
Sub-total for TRACECA countries	534	709	126	880	465,277	25,833	6,055	0	21	191	439	164	5,255	0	14,661	531	83	24	0	15	0	520,797	27.9	
% by commodities	0.0	0.0	0.0	0.0	24.9	1.4	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	27.9	0.0	
24 Russia and Belarus	1,659	5,360	314	5,550	35,758	3,341	1,575	36	1,871	2,788	230	52	9,444	0	26,658	1,771	921	15	0	71	0	97,415	5.2	
29 Ukraine and Moldova	1,512	25,670	227	24,121	20,437	842	206	0	9	732	10	2	8,364	0	8,823	471	110	0	0	20	0	91,556	4.9	
30 China	0	0	0	1	0	0	11	10	0	0	138	35	0	0	394	58	0	5	0	0	0	653	0.0	
31 Indian Sub Continent	0	39,252	0	0	0	0	0	0	0	0	9	0	0	0	178	0	0	0	0	0	0	39,439	2.1	
32 Iran and Gulf States	151	1,681	3	1,464	1,038	1,271	254	9	458	34	968	122	1,283	0	1,051	150	83	8	1,776	0	0	11,805	0.6	
33 Turkey	4,011	124,579	6,188	28,199	41,831	4,848	708	1	106	2,517	170	5	8,129	0	2,365	634	215	17	0	698	0	225,223	12.1	
34 North-Western Europe	1,630	129,587	269	11,696	9,244	435	2,422	0	27	665	365	56	70	0	3,241	734	357	128	1	118	4	161,049	8.6	
35 Southern Europe	6,922	113,308	505	20,239	178,880	5,997	578	1	84	479	143	50	1,372	1	1,165	380	0	46	8	792	0	330,949	17.7	
36 Central Europe	755	51,394	3	9,426	151,996	112	224	0	22	246	113	117	60	0	1,598	390	113	12	0	192	0	216,776	11.6	
37 Baltic States	207	1	29	1,344	0	90	0	0	2	78	1	0	93	0	169	202	16	7	0	42	0	2,281	0.1	
38 North-Central Europe	89	12	0	291	0	178	10	0	4	1	3	0	264	0	79	20	21	0	3	8	0	983	0.1	
39 Northern Europe	456	7,194	64	18,008	14,582	8	0	0	0	34	106	0	45	0	92	126	42	3	0	54	0	40,814	2.2	
40 Middle East	178	2,484	0	788	0	50	45	7	0	84	111	45	1	0	292	71	48	14	0	23	0	4,243	0.2	
41 East Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0.0	
42 West Africa	230	0	0	0	7,763	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,993	0.4	
43 East Asia Developing	0	855	43	0	7,456	0	0	0	0	0	9	1	43	0	0	3	0	0	0	5	0	8,415	0.5	
44 East Asia Industrial	0	0	0	0	5,617	0	3	0	0	0	109	33	0	0	16	39	2	3	0	1	0	5,822	0.3	
45 East Coast America	2,022	84,168	2,532	1,162	491	110	33	0	0	44	99	67	0	0	8,423	412	14	39	0	16	0	99,633	5.3	
46 W Coast America & Pacific	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	0	0	0	0	0	128	0.0	
Sub-total for non-TRACECA countries	19,843	585,544	10,178	122,291	475,093	17,281	6,069	64	2,584	7,704	2,586	585	29,170	1	54,547	5,569	1,943	296	12	3,816	4	1,345,179	72.1	
% by commodities	1.1	31.4	0.5	6.6	25.5	0.9	0.3	0.0	0.1	0.4	0.1	0.0	1.6	0.0	2.9	0.3	0.1	0.0	0.0	0.2	0.0	72.1	0.0	
TOTAL all countries	20,377	586,253	10,303	123,171	940,369	43,114	12,124	64	2,605	7,895	3,025	749	34,425	1	69,208	6,100	2,026	321	12	3,831	4	1,865,977	0.0	
% by commodities	1.1	31.4	0.6	6.6	50.4	2.3	0.6	0.0	0.1	0.4	0.2	0.0	1.8	0.0	3.7	0.3	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.0

Source: Customs Data via the State Department for Social and Economic Information for Georgia

GEORGIA

(country)

Cargo flows data through the border (export, in tonnes) for 1996

Codes of Countries and groups of countries	Code of group of commodities																					Total all commodities	% by group of countries
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
1 Tajikistan	0	1,010	0	0	0	0	0	0	0	0	0	0	0	0	265	0	0	0	0	0	0		
4 Kyrgystan	0	162	13	634	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7 Uzbekistan	0	418	0	41	0	179	0	0	36	16	34	0	0	0	0	0	626	0	0	0	0		
12 Turkmenistan	0	10,227	0	29	0	0	0	0	0	0	14	12	0	0	4	4	1	0	0	0	0		
15 Kazakhstan	0	519	0	317	0	698	19	0	0	0	70	0	0	0	325	94	9	0	0	0	0		
21 Georgia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
22 Armenia	412	798	218	4,043	76,845	12,905	231	0	98	52	116	0	212	0	835	34	0	0	0	68	0		
23 Azerbaijan	26	354	129	5,484	2,216	19,106	14	0	48	31	490	0	5,714	0	14,385	560	18	8	0	1,963	0		
Sub-total for TRACECA countries	438	13,488	361	10,549	79,061	32,889	265	0	182	100	725	12	5,926	0	15,813	737	655	9	0	2,031	0		
% by commodities	0.1	2.3	0.1	1.8	13.7	5.7	0.0	0.0	0.0	0.0	0.1	0.0	1.0	0.0	2.7	0.1	0.1	0.0	0.0	0.4	0.0		
24 Russia and Belarus	119	7,103	53	27,002	12,336	2,046	269	1	123	83	548	7	1,503	0	46,748	2,189	746	13	0	212	0		
29 Ukraine and Moldova	96	1,752	0	1,090	906	63	35	3	0	3	95	4	0	0	81	209	0	1	0	4	0		
30 China	0	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
31 Indian Sub Continent	0	0	0	3	0	0	0	0	0	0	38	0	0	0	2	0	113	0	0	0	0		
32 Iran and Gulf States	0	0	0	18	168	367	0	0	91	0	3	1	0	0	6,630	300	1	0	0	0	0		
33 Turkey	95	2,229	19	57	178	47,854	94	2,537	16,166	0	24	0	175	0	26,250	2,806	84	1	0	1	0		
34 North-Western Europe	0	67	0	2,810	959	26	23,764	0	0	0	98	0	44	0	45	0	2	0	0	0	0		
35 Southern Europe	48	343	0	33	56,892	2	0	4	0	0	23	0	4	0	1,262	358	0	0	0	0	0		
36 Central Europe	0	0	0	263	50,966	0	0	0	24	0	0	0	0	0	2,882	5	0	0	0	0	0		
37 Baltic States	0	282	45	688	0	1,718	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
38 North-Central Europe	0	367	0	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
39 Northern Europe	0	0	0	0	37,727	19,591	0	0	0	0	0	0	0	0	292	0	0	0	0	0	0		
40 Middle East	0	52	0	336	0	0	0	0	0	0	0	0	12	0	5	2	3	0	0	0	0		
41 East Africa	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
42 West Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
43 East Asia Developing	0	0	0	0	0	0	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0		
44 East Asia Industrial	0	0	0	41	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0		
45 East Coast America	0	27	0	25	0	6	0	0	0	0	191	0	12	0	2	0	0	0	0	0	0		
46 W Coast America & Pacific	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sub-total for non-TRACECA countries	358	12,549	117	32,434	160,132	71,673	24,162	2,544	16,404	87	1,096	12	1,751	0	84,200	5,868	949	14	0	217	1		
% by commodities	0.1	2.2	0.0	5.6	27.7	12.4	4.2	0.4	2.8	0.0	0.2	0.0	0.3	0.0	14.6	1.0	0.2	0.0	0.0	0.0	0.0		
TOTAL all countries	796	26,037	478	42,983	239,193	104,562	24,426	2,544	16,587	187	1,821	24	7,677	0	100,013	6,605	1,604	23	0	2,248	1		
% by commodities	0.1	4.5	0.1	7.4	41.4	18.1	4.2	0.4	2.9	0.0	0.3	0.0	1.3	0.0	17.3	1.1	0.3	0.0	0.0	0.4	0.0		

Source: Customs Data via the State Department for Social and Economic Information for Georgia

Table I.5

Origin destination matrices by commodity

TRACECA - BASE YEAR MODEL MATRICES - Commodity 5, Mineral Products - All Modes (Tonnes in 1995)

Commodity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

TRACECA - BASE YEAR MODEL MATRICES - Commodity 15, Non-Precious Metals - All Modes (Tonnes in 1995)

Commodity	Mode	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46							
1

TRACECA - BASE YEAR MODEL MATRICES Commodity 'T', Road, Air and Water Vehicles - All Modes (Tonne in 1995)

Origin	Destination																																																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45						
1.

Tables II.1 to II.2

Road Network Characteristics and Traffic

Table II.1

Road network characteristics and condition of road sections' and pavements (1994-95)

Georgia

(country)

Road Network - Characteristics and Condition of Road Sections Surfacing (1994-95)

No	Road Sections			Total Length (km)		Width (m)		Type of Pavement (km/section)			Condition of Road (km/section)			
	Start of Section	End of Section	Anode	Bnode	Total	Length in Mountainous Conditions	Carriageway and Hard - Shoulder	Carriageway	Hot Asphalt - Concrete	Cold Asphalt - Concrete	Unsealed	Good	Fair	Poor
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Adler (Russia)	Gagra	30001	30010	33									
2	Gagra	Gudauta	30010	30020	50									
3	Gudauta	Oshera	30020	30030	20									
4	Oshera	Suhumi	30030	30040	24									
5	Suhumi	Ochamchira	30040	30050	55									
6	Ochamchira	Gali	30050	30060	26									
7	Gali	Zugdidi	30060	30070	25									
8	Zugdidi	Hobi	30070	30080	27									
9	Hobi	Senaki	30080	30091	17									
10	Senaki	Poti	30091	30100	32		10	7	32			22	10	
11	Samtredia	Ureki	30150	30110	56		11	7	56			10	46	
12	Ureki	Kobuleti	30110	30120	20	25	12	7.5	20			32	20	
13	Kobuleti	Batumi	30120	30130	32		10	6	32			32	19	
14	Batumi	Sapri	30130	30131	19		11	7.5	19			25	2	
15	Senaki	Samtredia	30091	30150	27		11.5	7.5	27			39		
16	Samtredia	Kutaisi	30150	30160	39		14.5	7.5	39			30	4	
17	Kutaisi	Zestafoni	30160	30170	34		14.5	7.5	34			54	10	
18	Zestafoni	Hashuri	30170	30180	64	50	14.5	7.5	64					
19	Batumi	Keda	30130	30190	42									
20	Keda	Hulo	30190	30200	42									
21	Hulo	without name	30200	30201	65									
22	without name	Ahalcihe	30210	30210	13									
23	Ahalcihe	border of Turkey	30210	30211	21	7	8	6	10	11			21	
24	Ahalcihe	Borzhom	30210	30220	42		11	6	42			22	20	
25	Borzhom	Hashuri	30220	30180	28		11	7	28			28		
26	Ahalcihe	Ninocminda	30210	30250	112	15	10	7	112			42	70	
27	Hashuri	Gori	30180	30270	44	35	14.5	7.5	44			40	4	
28	Gori	Natahtari	30270	30280	49	12	14.5	7.5	49			40	9	
29	Natahtari	Pasanauri	30280	30300	60	35	12	7.5	60			50	10	
30	Pasanauri	Lars (border of Russia)	30300	30321	79	60	10	6	79				79	

Georgia

(country)

Road Network - Characteristics and Condition of Road Sections Surfacing (1994-95)

No	Road Sections			Total Length (km)		Width (m)		Type of Pavement (km/section)			Condition of Road (km/section)				
	Start of Section	End of Section		Anode	Bnode	Total	Length in Mountainous Conditions	Carriageway and Hard - Shoulder	Carriageway	Hot Asphalt - Concrete	Cold Asphalt - Concrete	Unsealed	Good	Fair	Poor
1	2	3		4	5	6	7	8	9	10	11	12	13	14	15
31	Natahtari	Zagesi		30280	30281	8	2	28	15	8			8		
32	Zagesi	Tbilisi		30281	30330	4									
33	Tbilisi	Marneuli		30330	30340	30	3	20	11	30			30		
34	Marneuli	Sadahlo		30340	30351	34		10	6	34			10	24	
35	Sadahlo	Bagratashen (Armenia)		30351	10160	5									
36	Marneuli	Boinisi		30340	30341	25	3	11	6	25			25		
37	Boinisi	border of Armenia		30341	10133	42	4	11	6	42			20	42	
38	Zagesi	Rustavi		30281	30331	49	10	15	7.5	49			20	29	
39	Rustavi	border of Azerbaïdjan		30331	30332	42	8	11	7.5	42			22	20	
40	Tbilisi	Rustavi		30330	30331										
41	Tbilisi	Sagaredjo		30330	30360	37	7	15	7.5	37			37		
42	Sagaredjo	Cnori		30360	30370	68	7	12.5	7	68			53	15	
43	Cnori	border of Azerbaïdjan		30370	20191	39		12	6	39			20	19	
44	Tbilisi	Manglisi		30330	30400	58									
45	Manglisi	Calka		30400	30410	41									
46	Calka	Ninocminda		30410	30250	71									
47	Poti	Ureki		30091	30110	20									
48	Ninocminda	border of Armenia		30250	10001	20									
49	Gori	Tschinvali		30270	30182	28		12	7	28			28		
50	Tschinvali	Gufia		30182	30183	15		10	7	15			15		
51	Gufia	Roki		30183	30184	48	12	10	7	48			48	15	

Source : Concern 'Gruzavtodoroga'

Georgia

(country)

Coordinates, deg		Town	Node	Coordinates, grad	
Y	X			Y	X
43.27	39.55	Adler (Russia)	30001	43.45	39.92
43.20	40.15	Gagra	30010	43.33	40.25
43.06	40.37	Gudauta	30020	43.10	40.62
43.04	40.55	Oshera	30030	43.07	40.92
43.01	41.02	Suhumi	30040	43.02	41.03
42.44	41.28	Ochamchira	30050	42.73	41.47
42.38	41.44	Gali	30060	42.63	41.73
42.30	41.53	Zugdidi	30070	42.50	41.88
42.21	41.53	Hobi	30080	42.35	41.88
42.17	42.04	Senaki	30091	42.28	42.07
42.10	42.20	Samtredia	30150	42.17	42.33
41.59	41.46	Ureki	30110	41.98	41.77
41.50	41.47	Kobuleti	30120	41.83	41.78
41.38	41.38	Batumi	30130	41.63	41.63
42.17	42.04	Senaki	30091	42.28	42.07
42.10	42.20	Samtredia	30150	42.17	42.33
42.15	42.40	Kutaisi	30160	42.25	42.67
42.07	43.02	Zestafoni	30170	42.12	43.03
41.38	41.38	Batumi	30130	41.63	41.63
41.38	42.00	Keda	30190	41.63	42.00
41.41	42.18	Hulo	30200	41.68	42.30
41.43	42.51	without name	30201	41.72	42.85
41.38	42.59	Ahalcihe	30210	41.63	42.98
41.38	42.59	Ahalcihe	30210	41.63	42.98
41.50	43.21	Borzhomi	30220	41.83	43.35
41.38	42.59	Ahalcihe	30210	41.63	42.98
42.00	43.36	Hashuri	30180	42.00	43.60
42.00	44.05	Gori	30270	42.00	44.08
41.55	44.39	Natahtari	30280	41.92	44.65
42.21	44.41	Pasanauri	30300	42.35	44.68
41.55	44.39	Natahtari	30280	41.92	44.65
41.50	44.50	Zagesi	30281	41.83	44.83
41.43	44.49	Tbilisi	30330	41.72	44.82
41.28	44.50	Marneuli	30340	41.47	44.83
41.15	44.50	Sadahlo	30351	41.25	44.83
41.28	44.50	Marneuli	30340	41.47	44.83
41.30	44.30	Bolnisi	30341	41.50	44.50
41.50	44.50	Zagesi	30281	41.83	44.83
41.32	44.58	Rustavi	30331	41.53	44.97
41.43	44.49	Tbilisi	30330	41.72	44.82
41.43	44.49	Tbilisi	30330	41.72	44.82
41.44	45.20	Sagaredjo	30360	41.73	45.33
41.37	45.59	Cnori	30370	41.62	45.98
41.43	44.49	Tbilisi	30330	41.72	44.82
41.43	44.24	Manglisi	30400	41.72	44.40
41.37	44.05	Calka	30410	41.62	44.08
42.09	41.40	Poti	30091	42.15	41.67
41.15	43.36	Ninocminda	30250	41.25	43.60
41.35	41.28	Sapri	30131	41.58	41.47
42.45	44.30	border of Russia	30321	42.75	44.50
41.15	44.53	border of Azerbaijan	30332	41.25	44.88
41.15	44.51	Bagratashen	10160	41.25	44.85
41.30	42.45	border of Turkey	30211	41.50	42.75
41.13	44.15	border of Armenia	10133	41.22	44.25
41.08	43.44	border of Armenia	10001	41.13	43.73
41.50	46.18	border of Azerbaijan	20191	41.83	46.30
42.13	43.53	Tschinvali	30182	42.22	43.88
42.25	43.47	Gufta	30183	42.42	43.78
42.32	44.13	Roki	30184	42.53	44.22

Source : Concern 'Gruzavtdoroga'

Table II.2

Road network - traffic intensity

Georgia

(country)

Road Network - Volume of Traffic

No	Road Sections			Volume of Traffic (vehicles/day)									
	2	3	Anode 4	Bnode 5	1990		1993		1996				
					All Vehicles	Trucks Number	All Vehicles	Trucks Number	All Vehicles	Trucks Number			
1	Adler (Russia)		4	5	6	7	6	7	6	7			
1	Gagra	Gagra	30010	30010	6394	2930	46	3460	870	25	4263	1095	26
2	Gudauta	Gudauta	30020	30020	5850	1350	23	3100	700	23	3900	900	23
3	Oshera	Oshera	30030	30030	6300	420	7	3360	220	7	4200	280	7
4	Suhumi	Suhumi	30040	30040	9150	530	6	4960	270	5	6160	358	6
5	Ochamchira	Ochamchira	30050	30050	2250	330	15	1200	200	17	1500	220	15
6	Gali	Gali	30060	30060	8475	1785	21	4530	800	18	5650	1180	21
7	Zugdidi	Zugdidi	30070	30070	8250	1650	20	4400	750	17	5500	1100	20
8	Hobi	Hobi	30080	30080	8700	2610	30	4740	1400	30	5800	1740	30
9	Senaki	Senaki	30091	30091	8100	2025	25	4320	1050	24	5400	1350	25
10	Samtredia	Poti	30091	30100									
11	Samtredia	Ureki	30150	30110									
12	Ureki	Kobuleti	30120	30120									
13	Kobuleti	Batumi	30120	30130									
14	Batumi	Sapri	30130	30131									
15	Senaki	Samtredia	30091	30150									
16	Samtredia	Kutaisi	30150	30160									
17	Kutaisi	Zestafoni	30160	30170									
18	Zestafoni	Hashuri	30170	30180									
19	Batumi	Keda	30130	30190									
20	Keda	Hulo	30190	30200									
21	Hulo	without name	30200	30201									
22	without name	Ahalcihe	30201	30210									
23	Ahalcihe	border of Turkey	30210	30211	720	90	13	380	50	13	480	60	13
24	Ahalcihe	Borzhom	30210	30220	1704	340	20	800	180	23	1136	225	20
25	Borzhom	Hashuri	30220	30180	4500	480	11	2400	240	10	3000	320	11
26	Ahalcihe	Ninocminda	30210	30250	1340	190	14	700	170	24	892	127	14
27	Hashuri	Gori	30180	30270	9000	2700	30	4800	1450	30	6000	1800	30
28	Gori	Natahtari	30270	30280	10500	3450	33	5600	1850	33	7000	2300	33
29	Natahtari	Pasanauri	30280	30300	4725	1895	40	2500	715	29	3150	930	30
30	Pasanauri	Lars (border of Russia)	30300	30321	1300	900	69	1600	480	30	2000	600	30

Georgia

(country)

Road Network - Volume of Traffic

No	Road Sections			Volume of Traffic (vehicles/day)											
	2	3	Anode	Bnode	1990			1993			1996				
					All Vehicles	Trucks Number	Trucks %	All Vehicles	Trucks Number	Trucks %	All Vehicles	Trucks Number	Trucks %		
1			4	5	6	7	6	7	6	7	6	7	6	7	
31	Natahtari	Zagesi	30280	30281	9710	591	310	5180	310	6	6474	394	6	6	
32	Zagesi	Tbilisi	30281	30330	9000	2700	1500	4800	1500	31	6000	1800	30	30	
33	Tbilisi	Marneuli	30330	30340	825	165	90	450	90	20	550	110	20	20	
34	Marneuli	Sadahlo	30340	30351	4500	1350	700	2450	700	29	3000	900	30	30	
35	Sadahlo	Bagratashen (Armenia)	30351	10160	3000	900	480	1990	480	24	2000	800	40	40	
36	Marneuli	Bolnisi	30340	30341	4350	1305	700	2450	700	29	3000	900	30	30	
37	Bolnisi	border of Armenia	30341	10133	5665	1620	3000	3000	800	27	3777	1080	29	29	
38	Zagesi	Rustavi	30281	30331	2445	690	360	1300	360	28	1628	460	28	28	
39	Rustavi	border of Azerbaïdjan	30331	30332	1725	445	235	875	235	27	1150	295	26	26	
40	Tbilisi	Rustavi	30330	30331	975	330	180	700	180	26	850	220	26	26	
41	Tbilisi	Sagaredjo	30330	30360	3380	1014	490	1750	490	28	2250	675	30	30	
42	Sagaredjo	Cnori	30360	30370	2100	609	319	1100	319	29	1400	406	29	29	
43	Cnori	border of Azerbaïdjan	30370	20191	1470	529	280	800	280	35	980	353	36	36	
44	Tbilisi	Manglisi	30330	30400											
45	Manglisi	Calka	30400	30410											
46	Calka	Ninocminda	30410	30250											
47	Poti	Ureki	30091	30110											
48	Ninocminda	border of Armenia	30250	10001											
49	Gori	Tschinvali	30270	30182											
50	Tschinvali	Gufta	30182	30183											
51	Gufta	Roki	30183	30184											

Source : Concern 'Gruzavtodoroga'

Note : Trucks defined as laden weight greater than 3 tonnes.

Tables III.1 and III.5

Rail Network Characteristics and Traffic

Table III.1

Railway network technical-operating characteristics

Georgia

(country)

Railway Network - Technical-operating characteristics of railway sections (1994-95)

n/n	Railway Sections			Length of Section, km			Track Signalling System				Traction Type (E/D) and Type of Locomotives in use	Length of Entrance Departure Ways (m)	Leading gradient, %		Train weight norm (ton)				
	Start of Section	End of Section	Anode	Bnode	Total	Length Double Track	Length Single Track	Dispatch Board	Automatic	Semi Automatic			Other	To	Back	To	Freight Back	To	Passenger Back
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Veselo	Suhumi	35001	35511	103	103	103	103								3000	3000	1200	1200
2	Syhymi	Kelasuri	35511	35510	7	7	7	7								3000	3000	1200	1200
3	Kelasuri	Ingiri	35510	35071	87	87	87	87						7.2	6.5	3000	3000	1200	1200
4	Ingiri	Senaki	35071	35091	43	43	43	43						7.2	6.5	3000	3000	1200	1200
5	Senaki	Samtredia	35091	35150	28	28	28	28						3.4	2.1	3500	3600	1200	1200
6	Samtredia	Zestafoni	35150	35170	65	65	65	65						7.5	7.5	3000	3500	1200	1200
7	Zestafoni	Hashuri	35170	35180	60.3	43	17.3	43								2500	3500	1200	1200
8	Hashuri	Gori	35180	35270	44	44	44	44						8.4	7.6	3000	3500	1200	1200
9	Gori	Kaspi	35270	35181	72	72	72	72						8.4	7.6	3000	3500	1200	1200
10	Kaspi	Mscheta	35181	35281	27	27	27	27	27					6.2	6.2	3000	3500	1200	1200
11	Mscheta	Tbilisi - tovarnyi	35281	35329	19	19	19	19	19					6.2	6.2	3000	3500	1200	1200
12	Tbilisi - tovarnyi	Tbilisi - uzlovoi	35329	35330	8	8	8	8	8					6.2	6.2	3000	3500	1200	1200
13	Tbilisi - uzlovoi	Rustavi - gruz.	35330	35331	25	25	25	25	25					11.7	11.4	3000	3500	1200	1200
14	Rustavi - gruz.	Beyuk - Kyasik	35331	25810	20	17	3	17	3					11.7	11.4	3000	3500	1200	1200
15	Tbilisi - uzlovoi	Marabda	35330	35328	23	23	23	23	23					16	16	1900	1900	1200	1200
16	Marabda	Sadahlo	35328	35351	37	37	37	37	37					16	16	1900	1900	1200	1200
17	Sadahlo	Airum	35351	15500	13	13	13	13	13					21.6	12	1700	1300	800	800
18	Tbilisi - uzlovoi	Lilo	35330	35517	11	11	11	11	11					21.6	12	1700	1300	800	800
19	Lilo	Iori	35517	35518	25	25	25	25	25					21.6	12	1700	1300	800	800
20	Iori	89 km	35518	35519	53	53	53	53	53					21.6	12	1700	1300	800	800
21	89 km	Gurjaani	35519	35520	27	27	27	27	27					21.6	12	1700	1300	800	800
22	Gurjaani	Telavi	35520	35521	33	33	33	33	33										

Georgia

(country)

Railway Network - Technical-operating characteristics of railway sections (1994-95)

n/n	Railway Sections				Length of Section, km			Track Signalling System				Traction Type (E/D) and Type of Locomotives in use	Length of Entrance Departure Ways (m)	Leading gradient, %		Train weight norm (ton)			
	Start of Section	End of Section	Anode	Bnode	Total	Length Double Track	Length Single Track	Dispatch Board	Automatic	Semi Automatic	Other			To	Back	To	Back	To	Back
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
23	Poti	Senaki	35100	35091	40		40			40				6.5	5	3500	3600	1200	1200
24	Samtredia	Batumi	35150	35130	106		106			106				10.3	8.5	3000	3600	1200	1200
25	Gori	Tschivali	35270	35182	33														
26																			
27																			
28																			
29																			
30																			

Note: Traction type - E= electric and D= diesel

Source: Department of Railways

Georgia

(country)

Coordinates, deg		Settlement	Node No.	Coordinates, grad	
Y	X			Y	X
41.13	44.53	Airum	15500	41.22	44.88
41.38	41.38	Batumi	35130	41.63	41.63
41.23	45.11	Beyuk - Kyasik	25810	41.38	45.18
42.00	44.05	Gori	35270	42.00	44.08
41.43	45.48	Gurjaani	35520	41.72	45.80
42.00	43.36	Hashuri	35180	42.00	43.60
42.20	41.50	Ingiri	35071	42.33	41.83
41.40	45.08	Iori	35518	41.67	45.13
41.57	44.25	Kaspi	35181	41.95	44.42
42.58	41.05	Kelasuri	35510	42.97	41.08
41.40	44.55	Lilo	35517	41.67	44.92
41.30	44.45	Marabda	35328	41.50	44.75
41.50	44.50	Mscheta	35281	41.83	44.83
42.09	41.40	Poti	35100	42.15	41.67
41.32	44.58	Rustavi - gruz.	35331	41.53	44.97
41.15	44.50	Sadahlo	35351	41.25	44.83
42.10	42.20	Samtredia	35150	42.17	42.33
42.17	42.04	Senaki	35091	42.28	42.07
43.00	41.02	Syhymi	35511	43.00	41.03
41.40	44.52	Tbilisi - tovarnyi	35329	41.67	44.87
41.43	44.49	Tbilisi - uzlovoi	35330	41.72	44.82
41.53	45.28	Telavi	35521	41.88	45.47
42.13	43.53	Tschivali	35182	42.22	43.88
43.27	39.55	Veseloe	35001	43.45	39.92
42.07	43.02	Zestafoni	35170	42.12	43.03

Tables III.2

Cargoes correspondence (in types) within railway network

From \ To		1993												External carriage (Via Junction points), thousand tonnes					Sub-total					
		Domestic carriage (within the railway), thousand tonnes												Junction points (Nodes)										
		Sections of railway (Model Zone No)												Poti	Batumi	Beyuk - Kyasik	Veseloë	Sadahlo						
		Veseloë - Ochamchira	Ochamchira - Senaki	Senaki - Samtredia	Poti - Senaki	Batumi - Samtredia	Samtredia - Zestafoni	Zestafoni - Hashuri	Hashuri - Vale	Hashuri - Tbilisi	Tbilisi - Gardabani	Tbilisi - Gurjaani	Tbilisi - Sadahlo											
21	21	21	21	21	21	21	21	21	21	21	21	21	15	16	17	18	19	20	21	22	23	24		
D o m e s t i c	Veseloë - Ochamchira	21																						
	Ochamchira - Senaki		21																					
	Senaki - Samtredia			21																				
	Poti - Senaki				21																			
	Batumi - Samtredia					21																		
	Samtredia - Zestafoni						21																	
	Zestafoni - Hashuri							21																
	Hashuri - Vale								21															
	Hashuri - Tbilisi									21														
	Tbilisi - Gardabani										21													
	Tbilisi - Gurjaani											21												
	Tbilisi - Sadahlo												21											
	Sub-total	1	2	7	1	2	9	1	1	13	6	0	0	43	0	0	20	0	0	0	0	20	63	
E x t e r n a l	Poti	35100																						
	Batumi	35130																						
	Beyuk - Kyasik	25810																						
	Veseloë	35001																						
	Sadahlo	35351																						
	Sub-total	12	28	10	5	31	101	1	19	415	1	52	50	725	0	0	339	0	0	0	0	339	1064	
	TOTAL	13	30	17	6	33	110	2	20	428	7	52	50	768	0	0	359	0	0	0	0	359	1127	

GEORGIA

(country)

Railway:

Matrix of domestic carriage, import, export and transit for: cereals

Category of commodity: 2

		GEORGIA (country)		1993		Railway: Matrix of domestic carriage, import, export and transit for: coal Category of commodity: 5															External carriage (Via junction points), thousand tonnes				
						Domestic carriage (within the railway), thousand tonnes Sections of railway (Model Zone No)										Junction points (Nodes)									
From	To	Veseloë - Ochamchira	Ochamchira - Senaki	Senaki - Samtredia	Poti - Senaki	Batumi - Samtredia	Samtredia - Zestafoni	Zestafoni - Hashuri	Hashuri - Vale	Hashuri - Tbilisi	Tbilisi - Gardabani	Tbilisi - Gurjaani	Tbilisi - Sadahlo	Sub-total	Poti	Batumi	Beyuk - Kyasik	Veseloë	Sadahlo	Sub-total					
		21	21	21	21	21	21	21	21	21	21	21	21	21	14	15	16	17	18	19	20	21	22	23	24
D o m e s t i c	1	21	3	4	5	6	7	8	9	10	11	12	13	14	35100	35130	25810	35001	35351						
	Veseloë - Ochamchira	21													0	0	0	0	0	0	0	0	0	0	0
	Ochamchira - Senaki	21	21												0	0	0	0	0	0	0	0	0	0	0
	Senaki - Samtredia	21		21		1									0	0	0	0	0	0	0	0	0	0	0
	Poti - Senaki	21			21										0	0	0	0	0	0	0	0	0	0	0
	Batumi - Samtredia	21				21					1				0	0	0	0	0	0	0	0	0	0	0
	Samtredia - Zestafoni	21					21								0	0	0	0	0	0	0	0	0	0	0
	Zestafoni - Hashuri	21						21							0	0	0	0	0	0	0	0	0	0	0
	Hashuri - Vale	21							21						0	0	0	0	0	0	0	0	0	0	0
	Hashuri - Tbilisi	21								21					0	0	0	0	0	0	0	0	0	0	0
	Tbilisi - Gardabani	21									21				0	0	0	0	0	0	0	0	0	0	0
	Tbilisi - Gurjaani	21										21			0	0	0	0	0	0	0	0	0	0	0
Tbilisi - Sadahlo	21											21		0	0	0	0	0	0	0	0	0	0	0	
Sub-total		0	0	1	7	6	1	0	0	6	1	1	4	27	0	0	21	0	0	0	0	0	0	21	48
Poti		35100												0	35100										0
Batumi		35130												0	35130										0
Beyuk - Kyasik		25810		1	12	8	1		4	20	80	4	2	132											0
Veseloë		35001			1								2	3											0
Sadahlo		35351			1								1	1											0
Sub-total		0	0	1	14	8	1	0	4	20	80	4	4	136	0	0	0	0	0	0	0	0	0	0	136
TOTAL		0	0	2	21	14	2	0	4	26	81	5	8	163	0	0	21	0	0	0	0	0	0	21	184

From \ To		Domestic carriage (within the railway), thousand tonnes										External carriage (via junction points), thousand tonnes					Sub-total	TOTAL					
		Sections of railway (Model Zone No)										Junction points (Nodes)											
		Veseloë - Ochamchira	Ochamchira - Senaki	Senaki - Samtredia	Poti - Senaki	Batumi - Samtredia	Samtredia - Zestafoni	Zestafoni - Hashuri	Hashuri - Vale	Hashuri - Tbilisi	Tbilisi - Gardabani	Tbilisi - Gurjaani	Tbilisi - Sadahlo	Poti	Batumi	Beyuk - Kyasik			Veseloë	Sadahlo			
1	21	21	21	21	21	21	21	21	21	21	21	21	15	16	17	18	19	20	21	22	23	24	
Veseloë - Ochamchira	21																						1
Ochamchira - Senaki	21																						0
Senaki - Samtredia	21																						0
Poti - Senaki	21																						0
Batumi - Samtredia	21																						0
Samtredia - Zestafoni	21																						0
Zestafoni - Hashuri	21																						0
Hashuri - Vale	21																						0
Hashuri - Tbilisi	21																						0
Tbilisi - Gardabani	21																						0
Tbilisi - Gurjaani	21																						0
Tbilisi - Sadahlo	21																						0
Sub-total		3	10	4	0	0	0	0	0	0	8	37	3	65	0	80	0	0	0	0	0	80	145
Poti	35100																						0
Batumi	35130																						0
Beyuk - Kyasik	25810																						0
Veseloë	35001																						0
Sadahlo	35351																						0
Sub-total		10	13	4	2	34	8	25	252	145	75	50	656	0	151	2	2	0	0	0	0	155	811
TOTAL		10	16	14	6	34	38	8	252	153	112	53	721	0	231	2	2	0	0	0	0	235	956

GEORGIA

(country)

1993

Railway:
Matrix of domestic carriage, import, export and transit for:oil
Category of commodity: 5

From \ To		1993														Sub-total	Sub-total						
		Domestic carriage (within the railway), thousand tonnes																					
		Sections of railway (Model Zone No)																					
External carriage (Via Junction points), thousand tonnes																							
														Poti	Batumi	Beyuk - Kyasik	Veselo	Sadahlo					
														15	16	17	18	19	20	21	22	23	24
TOTAL		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21		
D o m e s t i c	Veselo - Ochamchira	21																					
	Ochamchira - Senaki		21																				
	Senaki - Samtredia			21																			
	Poti - Senaki				21																		
	Batumi - Samtredia					21																	
	Samtredia - Zestafoni						21																
	Zestafoni - Hashuri							21															
	Hashuri - Vale								21														
	Hashuri - Tbilisi									21													
	Tbilisi - Gardabani										21												
	Tbilisi - Gurjaani											21											
	Tbilisi - Sadahlo												21										
	Sub-total		0	0	0	0	1	0	1	0	1	0	0	2	6	0	125	0	0	0	0	0	131
	E x t e r n a l	Poti	35100														312						312
		Batumi	35130																				0
		Beyuk - Kyasik	25810																				0
		Veselo	35001																				0
		Sadahlo	35351																				0
	Sub-total		1	0	0	0	1	22	18	0	3	198	2	0	245	0	312	0	0	0	0	0	312
	TOTAL		1	0	0	0	2	22	19	0	3	198	2	0	247	6	437	0	0	0	0	0	443

From \ To		Domestic carriage (within the railway), thousand tonnes												External carriage (Via Junction points), thousand tonnes					Sub-total	TOTAL						
		Sections of railway (Model Zone No)												Junction points (Nodes)												
		21	21	3	4	21	21	21	21	21	21	21	21	21	21	15	16	17	18	19	20	21	22	23	24	
		Veseloie - Ochamchira	Ochamchira - Senaki	Senaki - Samtredia	Poti - Senaki	Senaki - Samtredia	Batumi - Samtredia	Samtredia - Zestafoni	Zestafoni - Hashuri	Hashuri - Vale	Hashuri - Tbilisi	Tbilisi - Gardabani	Tbilisi - Gurjaani	Tbilisi - Sadahlo	Tbilisi - Sadahlo	Poti	Batumi	Beyuk - Kyasik	Veseloie	Sadahlo						
D o m e s t i c	1	21	21	3	4	21	21	21	21	21	21	21	21	21	21	15	16	17	18	19	20	21	22	23	24	
	Veseloie - Ochamchira	21																								
	Ochamchira - Senaki		21																							
	Senaki - Samtredia			21																						
	Poti - Senaki				21																					
	Batumi - Samtredia					21																				
	Samtredia - Zestafoni						21																			
	Zestafoni - Hashuri							21																		
	Hashuri - Vale								21																	
	Hashuri - Tbilisi									21																
	Tbilisi - Gardabani										21															
Tbilisi - Gurjaani											21															
Tbilisi - Sadahlo												21														
	Sub-total	2	13	8	0	13	9	0	1	4	2	2	2	2	56	10	9	73	0	0	0	0	0	92	148	
E x t e r n a l	Poti															35100										
	Batumi															35130										
	Beyuk - Kyasik															25810										
	Veseloie															35001										
	Sadahlo															35351										
	Sub-total	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	2	2	
	TOTAL	2	13	8	0	13	9	0	1	4	2	2	2	2	56	12	9	73	0	0	0	0	0	94	150	

From \ To		Domestic carriage (within the railway), thousand tonnes												External carriage (via junction points), thousand tonnes						Sub-total	TOTAL
		Sections of railway (Model Zone No)												Junction points (Nodes)							
		Veseloë - Ochamchira	Ochamchira - Senaki	Senaki - Samtredia	Poti - Senaki	Batumi - Samtredia	Samtredia - Zestafoni	Zestafoni - Hashuri	Hashuri - Vale	Hashuri - Tbilisi	Tbilisi - Gardabani	Tbilisi - Gurjaani	Tbilisi - Sadahlo	Poti	Batumi	Beyuk - Kyasik	Veseloë	Sadahlo	Sub-total	TOTAL	
D o m e s t i c	Veseloë - Ochamchira	21												35100	35130	25810	35001	35351	23	24	
	Ochamchira - Senaki		21																0	0	
	Senaki - Samtredia			21															0	0	
	Poti - Senaki				21														0	0	
	Batumi - Samtredia					21													0	0	
	Samtredia - Zestafoni						21												0	0	
	Zestafoni - Hashuri							21											0	0	
	Hashuri - Vale								21										0	0	
	Hashuri - Tbilisi									21										0	0
	Tbilisi - Gardabani										21									0	0
Tbilisi - Gurjaani											21								0	0	
Tbilisi - Sadahlo												21							0	0	
Sub-total		0	0	1	4	2	1	1	0	2	0	1	0	12	0	1	0	0	1	13	
E x t e r n a l	Poti													35100					0	0	
	Batumi														35130				0	0	
	Beyuk - Kyasik														25810				28	50	
	Veseloë															35001			0	0	
	Sadahlo															35351			2	2	
Sub-total		0	0	0	1	1	9	0	0	3	3	4	1	22	0	30	0	0	0	30	
TOTAL		0	0	1	5	3	10	1	0	5	3	5	1	34	0	30	1	0	0	31	

From \ To		1993																Sub-total		Sub-total		External carriage (via Junction points), thousand tonnes						Sub-total		TOTAL			
		Railway: Matrix of domestic carriage, import, export and transit for construction Category of commodity: 13																				Junction points (Nodes)											
		Domestic carriage (within the railway), thousand tonnes																				Junction points (Nodes)											
Sections of railway (Model Zone No)																Poti	Batumi	Beyuk - Kvasik	Veseloë	Sadahlo													
		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	15	16	17	18	19	20	21	22	23	24					
D o m e s t i c	Veseloë - Ochamchira	2	3	4	5	6	7	8	9	10	11	12	13																				
	Ochamchira - Senaki																																
	Senaki - Samtredia																																
	Poti - Senaki																																
	Batumi - Samtredia																																
	Samtredia - Zestafoni																																
	Zestafoni - Hashuri																																
	Hashuri - Vale																																
	Hashuri - Tbilisi																																
	Tbilisi - Gardabani																																
	Tbilisi - Gurjaani																																
	Tbilisi - Sadahlo																																
	Sub-total		5	8	8	7	27	76	26	7	402	235	124	34	959	0	0	0	0	0	0	67	0	1	0	0	0	68	1027				
	E x t e r n a l	Poti																	35100														
		Batumi																	35130														
Beyuk - Kvasik																		25810															
Veseloë																		35001															
Sadahlo																		35351															
Sub-total		3	7	7	7	8	20	7	8	56	56	41	24	244	0	40	0	6	0	0	0	0	0	0	0	0	46	290					
TOTAL		8	15	15	14	35	96	33	15	458	291	165	58	1203	0	40	67	6	1	0	0	0	0	0	0	114	1317						

From \ To		1993												External carriage (via junction points) thousand tonnes					Sub-total						
		Domestic carriage (within the railway) thousand tonnes																							
		Sections of railway (Model Zone No)												Poti	Batumi	Beyuk - Kyasik	Veseloë	Sadahlo							
		21	21	21	21	21	21	21	21	21	21	21	21	21	21	15	16	17	18	19	20	21	22	23	24
Veseloë - Ochamchira		21																							
Ochamchira - Senaki			21																						
Senaki - Samtredia				21																					
Poti - Senaki					21																				
Batumi - Samtredia						21																			
Samtredia - Zestafoni							21																		
Zestafoni - Hashuri								21																	
Hashuri - Vale									21																
Hashuri - Tbilisi										21															
Tbilisi - Gardabani											21														
Tbilisi - Gurjaani												21													
Tbilisi - Sadahlo													21												
Sub-total		0	0	11	0	4	3	0	2	7	1	10	2	40	57	20	127	2	0	0	0	0	0	206	246
E J	Poti																								
X u p	Batumi																								
t n o	Beyuk - Kyasik					5				14	83	7	109										56	165	
e c i	Veseloë										3		3												
r t n	Sadahlo										10		10												
n i t																									
a o s																									
i n																									
Sub-total		0	0	0	0	0	5	0	0	14	96	7	122	34	22	0	0	0	0	0	0	0	56	178	
TOTAL		0	0	11	0	4	8	0	2	21	97	17	162	91	42	127	2	0	0	0	0	0	262	424	

GEORGIA
(country)

Railway:
Matrix of domestic carriage, import, export and transit for metals
Category of commodity: 15

From \ To		1993													External carriage (via junction points), thousand tonnes					Sub-total	TOTAL					
		Domestic carriage (within the railway), thousand tonnes																								
		Sections of railway (Motel Zone No)													Junction points (Nodes)											
		Veseloë - Ochamchira	Ochamchira - Senaki	Senaki - Samtredia	Poti - Senaki	Batumi - Samtredia	Samtredia - Zestafoni	Zestafoni - Hashuri	Hashuri - Vale	Hashuri - Tbilisi	Tbilisi - Gardabani	Tbilisi - Gurjaani	Tbilisi - Sadahlo	Poti	Batumi	Beyuk - Kyasik	Veseloë	Sadahlo	Sub-total	TOTAL						
D o m e s t i c	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
	Veseloë - Ochamchira	21				2	3			2	2			9											9	
	Ochamchira - Senaki	21			1	2	2		1	11	5	1		23			7								7	
	Senaki - Samtredia	21				1	2	2	1	13	6	1	1	28			8								8	
	Poti - Senaki	21					1			2				4											4	
	Batumi - Samtredia	21	1	1	1	1	7	4	2	41	21	6	3	88			24								24	
	Samtredia - Zestafoni	21	2	2	2	8	7	3	3	48	24	7	4	103			31								31	
	Zestafoni - Hashuri	21					1	1		7	3	3		16			1								1	
	Hashuri - Vale	21					1	1		9	5	3	1	21			3	9	2						16	
	Hashuri - Tbilisi	21	7	12	14	6	24	47	16	14	54	15	10	219			4	5	75	1					85	
	Tbilisi - Gardabani	21	2	2	2	1	14	30	10	2	63	9		135			2	2	45						49	
	Tbilisi - Gurjaani	21		2	2	1	10	20	3	2	70	35		144			1	2	50	4					57	
	Tbilisi - Sadahlo	21			1		3	8	2	1	30	15	2	63			1	2	20						23	
	Sub-total		16	17	22	12	67	121	40	26	296	170	47	19	853		10	15	269	7	0	0	0	0	301	1154
	E x t e r n a l	Poti						1	1	1	11	3	5	3	25			75								75
		Batumi						1	1	1	8	2	4	2	20			40								40
Beyuk - Kyasik							6	11	5	35	282	66	34	443			80	100	20						200	
Veseloë										2				2											4	
Sadahlo										2	6	2	4	37			10	15							25	
Sub-total																									0	
TOTAL		19	19	25	13	78	139	49	31	358	459	128	62	1380		100	130	388	27	0	0	0	0	645	2025	

Table III.3

*Railway network density of goods movement through railway
network sections*

Georgia

(country)

Railway Network - Density of goods movement through railway network sections for 1993

n/n	Railway Sections			Direction of Movement	Flows by Commodity Type (millions tonnes)											Total
	Start of Section	Anode	End of section		Bnode	coal	coke	oil	ore	metal	timber	constru ction	chemic. fert.	grain & cereals	others	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Poti	35100	Senaki	35091	▲	2		6	346	1	1	3		381	104	838
2	Senaki	35091	Samtredia-1	35150	▲	5		6	6	91	5	17	15	6	113	279
3	Samtredia-1	35150	Zestafoni	35170	▲	19	1	37	347	4	1	7	31	368	143	881
4	Zestafoni	35170	Hashuri	35180	▲	18	1	46	348	6	1	103	1	785	168	455
5	Hashuri	35180	Tbilisi-tov.	35329	▲	26	7	292	11	136	38	246	60	30	389	1229
6	Tbilisi-tov	35329	Tbilisi-uzl.	35330	▲	23	8	308	19	39	1	216	4	745	355	1801
7	Tbilisi-uzl.	35330	Rustavi-gr.	35331	▲	31	8	38	369	40	2	271	4	790	440	1985
8	Rustavi-gr.	35331	Beyuk-Kyasik	25810	▲	27	8	361	22	139	47	360	68	56	479	1567
9	Sadahlo	35351	Marabda	35328	▲	45	8	426	22	144	49	446	69	588	472	1804
10	Marabda	35328	Tbilisi-uzl.	35330	▲	23	8	690	19	136	53	399	72	153	547	2129
11	Tbilisi-uzl.	35330	Lilo	35517	▲	52	5	7	437	127	1	85	73	359	440	1550
12	Lilo	35517	Iori	35518	▲	132	5	682	210	164	50	207	2	154	634	2240
13	Iori	35518	RZD 89km	35519	▲	2		4	7	11	2	261	4	120	411	411
14	RZD 89km	35519	Telavi	35521	▲	44		1	7	1	16	16	2	49	38	148
15	Veselo	35001	Suhumi	35511	▲	2	1	50	7	12	2	432	5	145	609	609
16	Suhumi	35511	Ingiri	35071	▲	8	1	112	3	17	1	45	2	50	49	206
17	Ingiri	35071	Senaki	35091	▲	5	1	1	1	3	5	199	2	52	120	515
18	Batumi-tov.	35130	Samtredia-1	35150	▲	1	1	31	3	6	4	138	2	3	201	347
					▲	1	1	1	1	1	1	133	2	49	50	203
					▲	2	3	29	3	6	1	36	2	35	39	153
					▲	1	3	1	1	1	1	135	1	2	172	312
					▲	3	1	16	3	4	1	21	1	15	33	95
					▲	3	1	5	1	3	5	5	2	2	58	63
					▲	3	1	2	1	3	2	7	2	2	8	27
					▲	3	3	6	1	4	1	5	2	3	27	39
					▲	3	1	12	1	2	1	14	2	12	11	33
					▲	3	1	6	1	4	1	5	3	3	41	86
					▲	3	1	23	1	4	2	31	10	34	33	55
					▲	2	1	65	3	1	1	88	20	524	148	828
					▲	13	3	238	3	45	33	130	18	18	192	692

Table III.4

*Railway network annual shipment of containers from railway
network terminals*

Georgia
(country)

Railway Network - Annual shipment of containers from railway network terminals for 1994

n/n	Location of Terminal	Node No.	LOADED						UNLOADED									
			TOTAL		Large tonnage incl. all ISO 20 & 40 ft containers		Medium tonnage incl. FSU containers 3 to 15 Tonnes		Specials incl Haz. loads etc.		TOTAL		Large tonnage incl. all ISO 20 & 40 ft containers		Medium tonnage incl. FSU containers 3 to 15 Tonnes		Specials incl Haz. loads etc.	
			physical unit, unit	average weight, kg	physical unit, unit	average weight, kg	physical unit, unit	average weight, kg	physical unit, unit	average weight, kg	physical unit, unit	average weight, kg	physical unit, unit	average weight, kg	physical unit, unit	average weight, kg	physical unit, unit	average weight, kg
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Batumi - tov.	35130	194	7933	121	8909	73	6315										
2	Gori gruz.	35270	39	2590			39	2590										
3	Hashuri	35180	10	3100			10	3100										
4	Kaspi	35181	31	3387			31	3387										
5	Kurtaisi - 2		140	1429			140	1429										
6	Poti	35100	57	1281			57	1281										
7	Rustavi gruz.	35331	17	1353			17	1353										
8	Samtredia 1	35150	3	3000	1	3000	2	3000										
9	Samtredskoe otd.	35150	413	4477	124	8742	289	2647										
10	Tbilisi - tov.	35329	3444	3348	342	12132	3102	2373			335	917	61	1951	274	686		
11	Tbiliskoe otd.	35330	3558	3328	342	12132	3216	2386			335	917	61	1951	274	686		
12	Telavi	35521	17	3059			17	3059										
13	Zastafoni	35170	19	1474	2	1500	17	1471										

Source: Department of Railways

Georgia

(country)

Railway Network - Annual shipment of containers from railway network terminals for 1995

n/n	Location of Terminal	Node No.	LOADED										UNLOADED														
			TOTAL			Large tonnage incl. all ISO 20 & 40 ft containers			Medium tonnage incl. FSU containers 3 to 15 Tonnes			Specials incl Haz. loads etc.			TOTAL			Large tonnage incl. all ISO 20 & 40 ft containers			Medium tonnage incl. FSU containers 3 to 15 Tonnes			Specials incl Haz. loads etc.			
			physical unit, unit	average weight, kg		physical unit, unit	average weight, kg		physical unit, unit	average weight, kg		physical unit, unit	average weight, kg		physical unit, unit	average weight, kg		physical unit, unit	average weight, kg		physical unit, unit	average weight, kg		physical unit, unit	average weight, kg		
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18									
1	Batumi - tov.	35130	5	1200			5	1200																			
2	Gori gruz.	35270	2	3000			2	3000																			
3	Hashuri	35180	4	1500			4	1500				8	2500														
4	Kaspi	35181																									
5	Kutaisi - 2	35100	3	1333			3	1333																			
6	Poti	35331	18	2222			18	2222																			
7	Rustavi gruz.	35150	8	1250			8	1250																			
8	Samtredia 1	35150	801	2874			74	9079				70	1872														
9	Samtredskoe otd.	35329	825	2853			76	9079				78	1936														
10	Tbilisi - tov.	35330																									
11	Tbiliskoe otd.	35521																									
12	Telavi	35170																									
13	Zastafoni																										

Source: Department of Railways

Table III.5

Railway network transit time of passage of a train on the route

Georgia
(country)

Railway Network - Transit time of train on the route

n/n	Sections of Main Line	Time of Passage Along Route (Hours)				Reserve Capacity of Route (Trains/Day)
		Cargo		Passenger		
		To	Return	To	Return	
1	2	3	4	5	6	7
1	Poti - Samtredia	4.07	3.88	3.68	3.6	2.9
2	Batumi - Samtredia	7.32	7.17	5.25	5.13	4
3	Samtredia - Zestafoni	2.4	3.13	2.6	2.6	2.3
4	Zastafoni - Hashuri	3.57	3.8	2.95	3.05	1.2
5	Hashuri - Tbilisi	4.6	4.88	3.45	3.75	29.3
6	Tbilisi - Beyuk-Kyasik	2.73	2.07	2.27	2.42	43.8
7	Tbilisi - Sadahlo	3.62	3.13	2.75	3.13	9

Source: Department of Railways

Tables IV.1 to IV.5

Sea Port Characteristics and Traffic

Table IV.1

Sea port's technical-operating characteristics

Georgia

(country)

Operational Characteristics of Sea Port Batumi

Node : 39130

No	Specifications	Depth, m	Square, m2	Length, m	Amount	Capacity,1000 tonnes	
						per day and night	per year
1	Tidal range 20-25 cm						
2	Port capacity for the receiving of the ships with maximum possible displacement 40-50 tonnes						
3	Access canal	12					
4	Port water area	5-12	205000				
5	General cargo pier including			799			
	-						
	-						
	-						
6	Berth for bulk liquids including				4		
	- oil bulk liquids ?	9-11		505	3		
	- unmoor ?	12,2			1		
	-						
7	Multipurpose terminals including						
	-						
	-						
8	Specialised piers including						
	- for ferries;						
	- for grain;						
	-						
9	Storages: including		19596		10		
	- store rooms;		8121		7		
	- constructions for open goods storage;		11475		3		
	-						
10	Nominal carrying capacity of goods treatment by port including					6-7	2500
	- general cargo;					1-2	800
	- bulk cargo;					4-5	1700
	- bulk liquids;					16-17	6000
	-						

Source : Administration of Batumi Sea Port

Georgia

(country)

Operational Characteristics of Sea Port Poti

Node : 39100

No	Specifications	Depth, m	Square, m2	Length, m	Amount	Capacity, 1000 tonnes	
						per day and night	per year
1	Tidal range 20 cm						
2	Port capacity for the receiving of the ships with maximum possible displacement 60 tonnes						
3	Access canal	13		1910			
4	Port water area		596000				
5	General cargo pier				4		
	including						
	- 1 for ore	12.5	15000	183		4.1	1500
	- 1 for metal	8.5	17000	215		1.4	510
	- 1 for coal	8.5	5290	173		4.2	1530
	- 1 for coal	8.5	5290	173		4.2	1530
6	Berth for bulk liquids				1		
	including						
	- oil bulk liquids ?	12,5	15100	200		5	1700
7	Multipurpose terminals				4		
	including						
	- 1 for chemical goods	9.75	16000	220		0.65	240
	- 1 for cotton	8	26000	130		0.6	220
	- 1 for grain	9.75	13400	220		8.2	3000
	- 1 for grain	8	13400	180		8.2	3000
8	Specialised piers				5		
	including						
	- 17 for containers;	8.25	22100	170		0.8	300
	- 111 for fleet of port;	8	5000	180			
	- 112 - passenger	8	48000	220			
	- 113 - passenger	9.7		100			
	- 114 - passenger	6.5	11600	250			
9	Storages:						
	including						
	- store rooms;		11050		4		
	- constructions for open goods storage;		67919		10		
	-						
10	Nominal carrying capacity of goods treatment by port						
	including						
	- general cargo;					1.25	460
	- bulk cargo;					9.7	3540
	- bulk liquids;					5	1700
	- grain;					8.2	3000
	- containers					0.8	300

Source : Administration of Poti Sea Port

Table IV.2

Ports dues for provision of the sea port services

Georgia

(country)

Port Duties for Services Batumi

Node : 39130

No	Specifications	Cost, USD/ton	Cost, USD
1	Port duties (common average duties per ship) including		
1.1	vessel duties		
	- port entry;		0.097
	- mooring due;		0.0027
	- anchor stop due;		
	- pier due;		0.052
	- tag due per hour;		
	-		
1.2	freight duties		
	- containers & general cargo;		
	- dry bulk cargo;		
	- liquid cargo;		
	-		
1.3	dues for different port services		
	- utilisation of refrigerator ship (per hour);		18
	- mooring till 1000 m3		36
	5000 m3		54
	10000 m3		72
	20000 m3		108
	40000 m3		
	- loaded 20 fut. container (rate)		45
	- bulk cargo		4
	- sack cargo		6
	- cargo in packet		5
	- bulk liquids		1

Source : Administration of Batumi Sea Port

Georgia

(country)

Port Duties for Services Poti

Node : 39100

No	Specifications	Cost, USD/ton	Cost, USD
1	Port duties (common average duties per ship) including		
1.1	vessel duties		
	- port entry;		0.252
	- mooring due;		72-144
	- anchor stop due;		0.0027
	- pier due;		0.022
	- tag due per hour;		0.04
	- entry channel dues;		0.114
	- pilotage dues to port;		0.0176
	- pilotage dues from port;		0.0072
	- light-house dues;		0.029
	- rearrangement;		100
	- tug dues;		
	- other services;		200-300
1.2	freight duties		
	- bread cargo;	4-6	
	- timber cargo;	7-10	
	- ore;	5	
	- coal / coal concentrat;	5-4,5	
	- oil cargo;	3-6	
	- nuts (in sack), fruits, berries;	9	
	- apples, citrus plants, nuts (in packets);	6	
	- rice;	5-6	
	- cement;	8	
	- cast iron;	12	
	- ferrous metals;	6,5-8,5	
	- scrap, waste nonferrous metals;	10	
	- vehicles;	25-180	
	- crawler track machinery or technique;	70-180	
	- loaded containers (20/40 fut);	65-75	
	- unloaded containers (20/40 fut);	33-35	
	- fertilizer;	5-6	
	- raw material for fertilizer;	7	
	- varnishes, paints (dyes);	9	
	- macaroni, pastries, wares of meal, tobacco, food centrats, sugar;	6	
	- sugar - raw material;	8	
	- butter, freezen chickens;	9	
	- cheese, curds, freezen carcasses of cattle;	7 - 8	
	- tinned food;	10	
	- fibre (filament) of cotton;	8-9	
	- clothes;	110	
	- ponderous, more 20 tonn, more 8 m;		
	- cargo in boxes, more 50 kg, more 0,5x0,5x0,5 m	65	
1.3	dues for different port services		
	- utilisation of refrigerator ship (per hour);		
	- mooring till 1000 m3		
	5000 m3		
	10000 m3		
	20000 m3		
	40000 m3		
	- loaded 20 fut. container (rate)		
	- bulk cargo		
	- sack cargo		
	- cargo in packet		
	- bulk liquids		

Source : Administration of Poti Sea Trade Port

Table IV.3

Sea port loading-unloading works for 1995

Georgia
(country)
Seaport Loading-Unloading Handling in 1995 Batumi **Node : 39130**

No	Cargo Type	Export	Import	Total
1	Cargo total, 000 tons including	53.3	648.7	702
1.1	Bulk cargo, total including	10.7	4.4	15.1
	- sugar;			
	- different ores, fluxes;	10.7		10.7
	- coal, coke, including mixture & anthracene;		4.4	4.4
	- cement;			
	- construction cargo;			
	- chemical cargo;			
	- others			
1.2	Grain cargo in bulk, total		524.6	524.6
1.3	Timber cargo, total		1.7	1.7
1.4	General cargo, total including		112.1	112.1
	- on ferries (gross); including van container weight (mass)			
	- on lighters (gross) including lighters without cargo (weight)			
	- on rollers			
	- in large-tonnage containers (gross)			
1.5	Other piece cargo, including	42.6	5.9	48.5
	- perishable;			
	- different metals not in business;	40.9		40.9
	- machinery, equipment & hardware;		1	1
	- chemical cargo		0.6	0.6
1.6	Petroleum products transfer	403.9	238.4	642.3
1.7	Performed tons-operations, total (000)	712		712
1.8	From line 1:			
	- cargo not connected with sea freight turnover			
	- treated cargo in parcels		42.4	42.4
2	Amount of large-tonnage containers (20 & 40 Foot), unit			

Source : Administration of Batumi Sea Port

Georgia

(country)

Seaport Loading-Unloading Handling in 1995 Poti

Node : 39100

No	Cargo Type	Export	Import	Total
1	Cargo total, 000 tons including	389.3	1387.7	1777
1.1	Bulk cargo, total including	170	185.8	355.8
	- sugar;		18.5	18.5
	- different ores, fluxes;	132.6	50.2	182.8
	- coal, coke, including mixture & anthracene;		4	4
	- cement;	0.6		0.6
	- construction cargo;	1.7	6.4	8.1
	- chemical cargo;		1.5	1.5
	- flour;		75.7	75.7
	- others	35.1	29.5	64.6
1.2	Grain cargo in bulk, total		625	625
1.3	Timber cargo, total	1.1		1.1
1.4	General cargo, total including	2.6	18.7	21.3
	- on ferries (gross); including van container weight (mass)			
	- on lighters (gross) including lighters without cargo (weight)			
	- on rollers			
	- in large-tonnage containers (gross)			
1.5	Other piece cargo, including	52.7	5.2	57.9
	- perishable;			
	- different metals not in business;	48.3	2.1	50.4
	- machinery, equipment & hardware;	4.4	3.1	7.5
	- chemical cargo			
1.6	Petroleum products transfer	145.9	474.7	620.6
1.7	Performed tons-operations, total (000)	595672	728043	1323715
1.8	From line 1:			
	- cargo not connected with sea freight turnover			
	- treated cargo in parcels	0.1	3.1	3.2
2	Amount of large-tonnage containers (20 & 40 Foot), unit	1706 / 630	2817 / 945	4523 / 1575
		17	78.3	95.3

Source : Administration of Poti Sea Trade Port

Table IV.4

List of vessels unloaded in III quarter of 1995

Georgia

(country)

List of Vessels Handled in Third Quarter 1995 Batumi

Node : 39130

No	Name of vessel	Vessel type	Import cargo		Port of departure	Node	Waiting time during unloading, hour
			Type of cargo	Weight tons			
1	2	3	4	5	7		8
1	Ismail Gambun	dry bulk ship ?	scrap metal	2000	Turkey	3304	244
2	Leonid Bykov	dry bulk vessel	tobacco	726	Russia	2400	221
3	Bartin	dry bulk vessel	mangen. ore	530	Turkey	3304	123
4	Feri Oksiogly	dry bulk vessel	scrap metal	700	Turkey	3304	284
5	Kemerli	dry bulk vessel	scrap metal	310	Turkey	3304	237
6	Pinar	dry bulk vessel	scrap metal	500	Turkey	3304	155
7	Bimiri-Dalaberger	dry bulk vessel	mangen. ore	1440	Turkey	3304	197
8	Kanibam-Kazim	dry bulk vessel	scrap metal	300	Turkey	3304	48
9	Mezmed-Burmes	dry bulk vessel	scrap metal	751	Turkey	3304	264
10	Orion-1	dry bulk vessel	mangen. ore	700	Burgas	3508	28
11	Salih-Unlez	dry bulk vessel	scrap metal	500	Turkey	3304	360
12	Hasan-Atasai	dry bulk vessel	mangen. ore	1587	Turkey	3304	168
13	Dnepr	dry bulk vessel	laurel leaf	13	Ukraine	2900	77
14	Georgia	dry bulk vessel	tea	76	Russia	2400	40
15			min. water	45			
16	Leonid Bykov	dry bulk vessel	juices	43	Russia	2400	56
17			tea	30			
18	Gantiadi	dry bulk vessel	containers	60	Gelenjik	3602	20
19	Capitan Kazam	dry bulk vessel	scrap metal	176	Turkey	3304	63
20	Salih-Unlez	dry bulk vessel	scrap metal	107	Turkey	3304	58
21	Eka	dry bulk vessel	scrap metal	861	Turkey	3304	336
22	Kara-Aki	dry bulk vessel	mangen. ore	392	Turkey	3304	312
23	Tehuri	dry bulk vessel	min. water	101	Russia	2400	145
24	Gantiadi	dry bulk vessel	equipment	144	Novorossiisk	2901	102
25	Old Lade	dry bulk vessel	scrap metal	1290	Turkey	3304	425
26	Kalkavan	dry bulk vessel	scrap metal	682	Turkey	3304	288
27	Tao	dry bulk vessel	tea, min. water	32	Ukraine	2900	
28	Vega	fisher ship	min. water	50	Ukraine (Odessa)	2503	240

Source : Administration of Batumi Sea Port

Georgia

(country)

List of Vessels Handled in Third Quarter 1995 Poti

Node : 39100

No	Name of vessel	Vessel type	Import cargo		Port of departure	Node	Waiting time during unloading, hour
			Type of cargo	Weight tons			
1	2	3	4	5	7		8
1	Korintia	tanker	gasoline	2605	Rumania	3600	48
2	New-Imiress	tanker	gasoline		Turkey	3304	48
3	Kait. Dursun. Akboli	tanker	gasoline		Turkey	3304	48
4	Bora K.	tanker	gasoline	1546	Turkey	3304	28
5	Skonelos	tanker	gasoline	4500	Greece	3502	71
6	Hilda	tanker	gasoline	1044	Turkey	3304	28
7	Aidin Reis	tanker	gasoline	920	Turkey	3304	25
8	Goddik S.	tanker	baxite	500	Turkey	3304	32
9	Aldebaran	tanker	gasoline	1800	Rumania	3600	33
10	Firat	tanker	gasoline	3552	Bulgaria	3506	56
11	Sinan	dry bulk vessel	sugar	1400	Bulgaria	3506	180
12	Korintia	tanker	gasoline	2613	Rumania	3600	48
13	Hilda	tanker	gasoline	1082	Turkey	3304	26
14	Paneba	tanker	gasoline	4676	Bulgaria	3506	73
15	Bora K.	tanker	gasoline	1611	Bulgaria	3506	35
16	Syuzan	dry bulk vessel	general cargo	750	Turkey	3304	21
17	Hora	tanker	gasoline	2314	Turkey	3304	42
18	Kait. Iyamaz	tanker	gasoline	550	Turkey	3304	18
19	Giakamou	tanker	gasoline	650	Greece	3502	20
20	Sonita	tanker	gasoline	750	Turkey	3304	20
21	ETI	tanker	gasoline	600	Turkey	3304	20
22	Orion	dry bulk vessel	beer	400	Bulgaria	3506	105
23	Bolikesir	tanker	gasoline	998	Rumania	3600	27
24	Djovanna				Bulgaria	3506	
25	Hilda	tanker	gasoline	1032	Bulgaria	3506	28
26	Peleizer	container ship	containers	1300	Greece	3502	
27	Bora K.	tanker	gasoline	1445	Bulgaria	3506	32
28	Kumkale				Turkey	3304	
29	Sofia	dry bulk vessel	motor equip.	35	Bulgaria	3506	12
30	Okopelos	tanker	gasoline	2640	Greece	3502	48
31	Vodolei	dry bulk vessel	flour	140	Bulgaria	3506	10
32	Giakamou	tanker	gasoline	738	Rumania	3600	20
33	Minikau	tanker	gasoline	617	Turkey	3304	18
34	Sari	tanker	gasoline	687	Turkey	3304	19
35	Panega	tanker	gasoline	750	Turkey	3304	21
36	Sofia	dry bulk vessel	motor equip.	25	Bulgaria	3506	8
37	Ultra	dry bulk vessel	grain	51000	USA	4508	465
38	Firat	tanker	gasoline	3821	Rumania	3600	60
39	Frenzshil	tanker	gasoline	6404	Rumania	3600	100
40	Pelierler	container ship	containers		Greece	3502	
41	Hilda	tanker	gasoline	1177	Rumania	3600	30
42	Zvoben				Bulgaria	3506	
43	Firat	tanker	gasoline	2450	Rumania	3600	45
44	Sinan	dry bulk vessel	flour	1500	Bulgaria	3506	156
45	Danau Express				Turkey	3304	
46	Botova	tanker	gasoline	4792	Rumania	3600	74
47	Sofia	dry bulk vessel	motor equip.	30	Bulgaria	3506	10
48	Giukam	dry bulk vessel	flour	702	Bulgaria	3506	73
49	Pelgeizer	container ship	containers		Greece	3502	
50	Sarigel	tanker	gasoline	1615	Rumania	3600	29
51	Hora	tanker	gasoline	738	Turkey	3304	20
52	Hilda	tanker	gasoline	750	Rumania	3600	21
53	Rezvaya	tanker	gasoline	4642	Bulgaria	3506	74
54	Sinan	dry bulk vessel	sugar	1600	Bulgaria	3506	186
55	Sofia	dry bulk vessel	motor equip.	30	Bulgaria	3506	10
56	Harmony	dry bulk vessel	sugar	1000	Belgium	3402	124
57	Balikesir	tanker	gasoline	994	Rumania	3600	27

Georgia

(country)

List of Vessels Handled in Third Quarter 1995 Poti

Node : 39100

No	Name of vessel	Vessel type	Import cargo		Port of departure	Node	Waiting time during unloading, hour
			Type of cargo	Weight tons			
1	2	3	4	5	7		8
58	Giyakomy	tanker	gasoline	696	Greece	3502	25
59	Carina	tanker	gasoline	6399	Rumania	3600	100
60	Dmafer Ahmad	tanker	gasoline	6399	Bulgaria	3506	100
61	Skopelos	tanker	gasoline	2430	Rumania	3600	44
62	ETI	tanker	gasoline	719	Greece	3502	20
63	Kiper	tanker	gasoline	5589	Bulgaria	3506	90
64	Firat	tanker	gasoline	3649	Bulgaria	3506	57
65	Sofia	dry bulk vessel	general cargo		Bulgaria	3506	
66	Hora	tanker	gasoline	743	Turkey	3304	20
67	Ktetar	tanker	gasoline	1150	Greece	3502	25
68	Hilda	tanker	gasoline	1072	Rumania	3600	28
69	Aidin	tanker	gasoline	930	Rumania	3600	25
70	Hora	tanker	gasoline	745	Turkey	3304	20
71	Maria	dry bulk vessel	flour	1655	Italy	3500	205
72	Sofia	dry bulk vessel	motor equip.	24	Bulgaria	3506	8
73	Balikesir	tanker	gasoline	998	Rumania	3600	27
74	Giakomu	tanker	gasoline	696	Greece	3502	15
75	Polgaizer	container ship	containers		Greece	3502	
76	Kaverna	dry bulk vessel	flour	1462	Italy	3500	176
77	Hora	tanker	gasoline	737	Turkey	3304	20
78	Skopelos	tanker	gasoline	2600	Rumania	3600	48
79	Antares	dry bulk vessel	flour	500	Bulgaria	3506	65
80	Sofia	dry bulk vessel	motor equip.	30	Bulgaria	3506	10
81	Emir	dry bulk vessel	borit	1000	Turkey	3304	65
82	Silai-5	tanker	gasoline	1572	Rumenia	3600	29
83	Kaptan shan Kaya	tanker	gasoline	776	Turkey	3304	21

Source : Administration of Poti Sea Port

Table IV.5

List of vessels loaded in III quarter of 1995

Georgia

(country)

List of Vessels Handled in Third Quarter 1995 Batumi

Node : 39130

No	Name of vessel	Vessel type	Export cargo		Port of destination	Node	Waiting time during loading, (hours)
			Type of cargo	Weight tons			
1	2	3	4	5	7		8
1	Birzan	dry bulk vessel	flour	2235	Lithuania	3704	128
2	Konstantin Kabanov	dry bulk vessel	cars, tankes	30	Russia	2400	59
3	Mehmel Dadanler	dry bulk vessel	cigarettes	189	Turkey	3304	72
4	Nirei	tugboat	cigarettes	201	Bulgaria	3506	102
5	Mystafa Alkan	dry bulk vessel	cigarettes	224	Turkey	3304	72
6	Dnepr	dry bulk vessel	barley	100	Odessa	2503	77
7	Grif	trawler	flour	122	Feodosia	2903	90
8	Tao	dry bulk vessel	sugar	120	Nikolaev	2907	71
9	Georgia	dry bulk vessel	dishes	70	Gelenjik	3602	40
10	Kara-Ali	dry bulk vessel	cigarettes	223	Turkey	3304	58
11	Gokalp	dry bulk vessel	grain	993	Turkey	3304	19
12	Gorpil	dry bulk vessel	sugar	234	Russia	2400	76
13	Vektor	dry bulk vessel	sugar	192	Russia	2400	75
14	Goryn	dry bulk vessel	sugar	88	Ilichevsk	2904	56
15	Tehuri	dry bulk vessel	sugar	155	Ilichevsk	2904	145
16	Kodyma	dry bulk vessel	sugar	214	Ilichevsk	2904	52
17	Grif	trawler	flour	124	Feodosia	2903	96
18	Gantiadi	dry bulk vessel	flour	321	Varna	2801	102
19	Engeneer Kordzahia	tugboat	sugar	13	Odessa	2503	30
20	Ponto	dry bulk vessel	flour	360	Burgas	3508	56
21	Gen. Arshincov	dry bulk vessel	flour	153	Mariypol	2501	48
22	SPK - 1014	dry bulk vessel	cigarettes	191	Varna	2801	43
23	Merich	dry bulk vessel	miscellaneous	1135	Turkey	3304	101
24	Kara - Ali	dry bulk vessel	cigarettes	188	Stambul	3305	85
25	Vodolei - 1	barga	flour	98	Ilichevsk	2904	81
26	Luchisty	dry bulk vessel	flour	71	Mariypol	2501	28

Source : Administration of Batumi Sea Port

Georgia

(country)

List of Vessels Handled in Third Quarter 1995 Poti

Node : 39130

No	Name of vessel	Vessel type	Export cargo		Port of destination	Node	Waiting time during loading, (hours)
			Type of cargo	Weight tons			
1	2	3	4	5	7		8
1	Solai - 5	dry bulk vessel	metal	1787	Rumania	3600	46
2	Poluks	dry bulk vessel	metal	535	Turkey	3304	14
3	Kotih	dry bulk vessel	scrap-metal	2307	Turkey	3304	60
4	Selinogiz	dry bulk vessel	scrap-metal	533	Turkey	3304	13
5	Odoman Tomba	dry bulk vessel		2000	Ukraine	2900	52
6	Pelegeizer	container-ship	containers		Greece	3502	
7	Sofia	dry bulk vessel	vessels		Bulgaria	3506	
8	Djovenna	tanker	gasoline	16413	Bulgaria	3506	212
9	Kumkole	dry bulk vessel	metal	1001	Turkey	3304	26
10	Birazerler	dry bulk vessel	metal	702	Turkey	3304	18
11	Panega	dry bulk vessel	vessels		Turkey	3304	
12	Peleizer	container-ship	containers		Greece	3502	
13	Sofia	dry bulk vessel	vessels		Bulgaria	3506	
14	Antares	dry bulk vessel	pipes	1016	Bulgaria	3506	26
15	Zvolen	dry bulk vessel	pipes	1880	Bulgaria	3506	28
16	Sofia	dry bulk vessel	vessels		Bulgaria	3506	
17	Danua Express	container-ship	containers		Turkey	3304	
18	Endraht	dry bulk vessel	metal	1352	Turkey	3304	35

Source : Administration of Poti Sea Port

Tables V.1 to V.3

Airport Characteristics and Traffic

Table V.1

Information about airports' carrying capacity

Georgia

(country)

Airport carrying capacity

No	Specifications	Airport name
		Tbilisi
1	Type of aircrafts landing	All types aircrafts
2	Dimensions of run-way	3000 x 45
3	Availability and number of parking spaces for freight aircraft	26
4	Availability and carrying capacity of freight terminals	100 tonn
5	Types of aircraft based at airport	Ty-154, Ty-134 Як-40
6	Availability of mechanised facilities for loading-unloading	

Source : Department of Air Transport, Air Company 'Lasare'

Table V.2

Airport's technical and economic data

Georgia

(country)

Airport operations data__ Tbilisi__

(name/city)

No	Specifications	Units of measurement	Years				
			1993	1994	1995		
1	Goods dispatched, total	tonnes	7308	1534	2100		
	including						
	- originally	tonnes					
	- transit						
from it							
	- internal air routes	tonnes		2+279*	2+73*		
	- neighbouring countries	tonnes		1177+76*	1318+707*		
	- international air routes	tonnes					
2	Turnover, total (billions ton*km)		10	211	72.1		
	including						
	- internal air routes					16+80*	1+2,1*
	- neighbouring countries					39+76*	40+29*
	- international air routes						
3	Transportation tariff per 1 ton of cargo						
	- on regular air routes	USD/km					
	- by charters	USD/km					
4	Rate for reception/dispatching of 1 ton of cargo	USD/km					
5	Maximum time of full unloading and new loading of aircraft by types	hours/minutes					
	Ty-134		3	3	3		
	АН-12		6	6	6		

Source : Department of Air Transport, Air Company 'Lasare'

Table V.3
Cargoflows direction from/to airport

Georgia

(country)

Freight flows direction from/to airport ___ Tbilisi ___

(name/city)

No	Name of destination/departure airports	Tariff distance, km	Flying time, hr/m	Volume of sending/ arriving cargo, tonnes		
				1993	1994	1995
1	Company "Orbi" total			5252	1193	1201
2	Compani "Lasare"					453 (l h/y 1996r.)
3	Airport Tbilisi - Aleppo arriving	1710	7			13.5
4	Airport Tbilisi - Vienna - Menston dispatching	4000	8			6
5	Airport Tbilisi - Tashkent arriving	2250	9			40.6
6	Airport Tbilisi - Dujaira - Batumi dispatching	3250	6.3			16.9
7	Airport Tbilisi - Moscow arriving	1750	3.5			3.5
8	Airport Tbilisi - Ufa arriving	2000	4			10.6
9	Airport Tbilisi - Dujaira - Batumi dispatching	3250	6.3			18.1
10	Airport Tbilisi - Moscow arriving	1750	3.5			8.5
11	Airport Tbilisi - Kutaisi - Cairo arriving	3250	6.3			4.3
12	Airport Tbilisi - Manstrikh - Lvov arriving	4000	8			9

Source : Department of Air Transport, Air Company 'Lasare'

Table VI

Route and Cost Data

No data available.