

## MINING ACTIVITIES IN TURKEY DURING 1960

### I. MINES OPERATED BY ETIBANK \*

#### A. Ergani Copper Mine

Year	Copper production (tons)			Tons	TL.	Average number of workers	Cost of labour (TL.)			Per man shift
	Blister	Refined	Total				Wages paid	Social aid	Total	
1941	8,100	910	9,010	1,693	1,447,985	1,430	700,000	—	700,000	1.16
1945	7,649	1,895	9,544	2,197	2,347,150	1,404	875,786	430,000	1,305,786	2.79
1950	11,700	—	11,700	13,413	18,588,159	1,667	1,697,813	846,816	2,544,629	4.11
1951	13,096	1,084	14,180	10,200	27,376,273	1,552	1,951,852	870,180	2,822,032	4.86
1952	14,985	—	14,985	14,386	35,725,945	1,635	2,466,944	1,157,612	3,624,556	6.01
1953	14,695	260	14,955	19,235	36,859,964	1,698	2,472,648	1,235,683	3,708,331	6.38
1954	16,030	681	16,711	16,601	33,769,529	1,558	3,395,619	1,391,447	4,777,066	8.40
1955	15,166	1,851	17,017	17,146	43,732,541	1,575	3,792,821	1,520,513	5,313,334	9.08
1956	17,390	328	17,718	17,026	43,697,203	1,609	4,869,515	1,814,179	6,683,698	11.35
1957	15,299	2,720	18,019	17,812	26,511,179	1,584	5,346,001	1,624,083	6,970,084	11.65
1958	15,583	2,537	18,120	18,091	52,028,506	1,535	6,167,358	2,204,870	8,372,228	14.95
1959	15,830	1,191	17,021	20,056	117,468,864	1,526	6,360,295	2,656,023	9,016,318	17.78
1960	16,075	1,547	17,622	18,986	108,389,908	1,488	8,380,446	3,050,419	11,430,865	21.03

\* For more detailed information regarding History, Installations, Capacity, Production, and New Installations of Etibank, please refer to the *Bulletin of the Mineral Research and Exploration Institute of Turkey*, April 1960, No. 52.

### B. Murgul Copper Mine

Year	Blister copper produced (tons)	Copper sold		Average number of workers	Cost of labour (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1951	3,346	1,678	3,924,536	1,516	1,339,135	534,590	1,873,725	4.42
1952	8,345	7,140	18,232,334	1,532	1,571,863	851,310	2,423,203	5.29
1953	8,802	10,723	19,513,409	1,528	1,933,732	934,412	2,868,144	6.37
1954	8,502	8,146	17,467,745	1,610	2,217,143	1,200,519	3,417,662	7.82
1955	6,783	7,655	21,915,959	1,612	2,372,849	1,325,707	3,698,556	8.34
1956	7,045	6,310	14,131,673	1,669	3,098,900	1,582,784	4,681,684	10.13
1957	6,382	5,581	13,624,461	1,942	4,054,026	1,862,322	5,915,348	11.62
1958	4,410	5,102	8,066,443	1,883	4,243,121	2,265,677	6,508,798	13.78
1959	8,015	7,218	38,200,000	1,624	5,198,876	2,874,216	8,073,092	19.78
1960	8,601	12,375	73,154,384	1,946	7,317,884	3,883,841	11,201,725	22.53

### C. Eastern Chromite Mines

Year	Production run of mine and concentrate (tons)	Marketable chromite		Average number of workers	Cost of labour (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1941	63,996	63,946	2,031,295	250	87,000	—	87,000	1.05
1945	89,869	40,111	2,863,391	392	347,662	115,000	462,662	3.46
1950	165,968	114,037	17,119,455	401	410,520	244,104	654,924	4.55
1951	159,623	156,245	17,644,556	563	553,030	346,572	899,602	4.67
1952	179,503	149,659	17,595,228	520	705,632	461,215	1,166,847	6.22
1953	174,214	182,012	24,253,917	550	799,324	501,644	1,300,968	6.38
1954	121,579	73,434	10,246,156	530	912,490	604,738	1,517,228	7.27
1955	173,150	184,019	22,996,802	600	1,172,700	770,700	1,943,400	7.75
1956	272,440	229,522	28,606,237	1,155	2,243,421	1,191,116	3,434,537	10.34
1957	313,910	202,190	27,201,150	1,403	4,414,596	1,609,488	6,024,084	11.76
1958	194,406	174,585	29,175,009	1,661	5,825,683	2,202,118	8,027,800	13.08
1959	189,301	143,899	45,485,326	955	3,445,734	1,784,937	5,200,671	12.92
1960	153,627	119,191	38,729,547	1,149	5,169,688	2,569,374	7,739,062	19.11

### D. Üçköprü Chromite Mine

Year	Production run of mine and concentrate (tons)	Chromite sold		Average number of workers	Cost of labour (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1960	27,974	1,120	391,673	258	1,103,597	183,782	1,287,379	16.21

## E. Keçiborlu Sulphur Mine

Year	Sulphur produced (tons)	Sulphur sold		Average number of workers	Cost of labour (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1941	1,951	3,930	455,598	282	129,000	—	129,000	1.19
1945	3,779	3,739	1,497,849	350	232,813	180,127	412,940	3.30
1950	6,002	4,715	1,365,771	339	314,390	102,324	416,714	3.88
1951	7,390	7,636	2,178,138	282	375,232	99,557	474,789	4.68
1952	8,368	8,154	2,186,168	286	479,468	159,555	639,023	6.26
1953	9,775	9,365	2,483,059	284	436,764	251,180	687,944	6.93
1954	10,000	9,373	2,385,118	285	462,434	199,207	661,641	6.90
1955	11,500	9,678	2,513,446	297	618,559	239,037	877,596	8.26
1956	13,900	16,338	5,582,711	297	753,078	318,276	1,071,354	10.09
1957	13,100	12,367	3,973,927	342	789,857	384,306	1,184,163	9.95
1958	12,825	12,509	4,241,390	336	1,133,362	485,078	1,618,440	13.62
1959	13,385	11,583	1,753,683	373	1,535,776	824,928	2,360,704	18.17
1960	17,100	11,504	5,620,118	393	1,777,882	1,030,202	2,808,084	21.31

## F. Emet Colemanite Mine

Year	Production run of mine and concentrate (tons)	Colemanite sold		Average number of workers	Cost of labour (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1960	11,029	5,003	1,514,514	121	437,225	103,717	540,942	13.81

## G. Küre Pyrite and Chalcopyrite Mine \*

Year	Production run of mine and concentrate (tons)	Pyrite sold		Average number of workers	Cost of labour (TL.)			Per man shift
		Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1960	40,795	61,375	7,081,498	192	736,480	261,240	997,720	20.46

\* Preliminary, subject to adjustment.

## H. Keban Lead Mine

Year	Production (tons)		Average number of workers	Cost of labour (TL.)			Per man shift
	Lead concentrate	Zinc concentrate		Wages paid	Social aid	Total	
1954	1,577	200	205	273,177	73,787	346,964	5.96
1955	1,588	1,517	197	252,650	138,257	390,907	7.22
1956	1,502	1,387	239	356,601	116,085	472,686	7.17
1957	1,355	1,129	245	408,098	102,309	510,407	7.87
1958	1,205	1,773	251	455,306	129,875	585,181	8.41
1959	1,070	2,129	257	533,726	193,107	716,833	7.60
1960	1,006	2,383	—	—	—	—	—

## II. TURKISH STATE COAL EXPLOITATION

## A. Ereğli Coal Mines (E.K.L.)

Year	Production (tons)		Coal sold		Average number of workers	Cost of labour (TL.)			Per man shift
	Run of mine	Marketable coal	Tonnage	Total value (TL.)		Wages paid	Social aid	Total	
1941	3,019,626	2,124,995	1,851,721	17,672,001	21,738	9,422,000	1,333,000	10,755,000	1.65
1945	3,718,772	2,524,056	2,233,474	48,182,898	29,605	22,362,122	13,310,819	35,672,941	3.49
1950	4,360,598	2,832,243	2,650,979	76,170,702	27,061	30,989,403	14,243,245	45,232,648	4.85
1951	4,729,589	2,987,846	2,711,604	81,417,587	26,389	31,648,041	15,467,113	47,115,154	5.15
1952	4,846,342	3,010,312	2,915,847	89,451,865	28,648	35,778,225	18,121,686	53,899,911	5.94
1953	5,654,326	3,664,314	3,539,665	101,722,808	31,089	43,080,840	26,077,453	69,158,293	6.95
1954	5,711,253	3,690,125	3,572,264	102,333,513	33,191	57,565,003	30,159,782	87,724,785	8.09
1955	5,495,697	3,500,219	3,384,739	118,246,848	33,900	67,832,058	35,274,779	103,106,837	9.24
1956	5,888,308	3,717,718	3,566,594	134,968,296	34,440	94,788,660	40,660,023	135,448,683	11.82
1957	5,610,441	3,547,777	3,386,276	126,969,705	30,237	89,223,377	45,156,118	134,389,495	13.39
1958	5,891,571	3,613,182	3,232,963	208,479,231	28,078	107,575,896	54,746,142	162,322,038	16.53
1959	5,967,948	3,561,484	3,354,621	328,442,630	29,175	125,728,356	75,821,025	201,549,381	20.65
1960	5,849,857	3,345,734	3,540,630	371,159,263	—	—	—	—	—

## B. Armutçuk Coal Mines

Year	Production (tons)		Coal sold		Cost of labour (TL.)			Per man shift	
	Run of mine	Marketable coal	Tonnage	Total value (TL.)	Average number of workers	Wages paid	Social aid		Total
1957	648,616	463,717	439,163	15,755,573	3,388	9,998,671	6,201,107	16,189,778	13.41
1958	658,647	461,705	471,962	37,202,838	3,608	12,349,901	6,671,881	19,021,782	15.76
1959	547,200	380,045	376,112	42,191,739	3,745	14,448,272	9,448,083	23,896,360	19.88
1960	457,200	307,225	298,397	33,524,832	—	—	—	—	—

## C. Western Lignite Mines

Year	Production (tons)		Lignite sold		Cost of labour (TL.)			Per man shift	
	Run of mine	Marketable lignite	Tonnage	Total value (TL.)	Average number of workers	Wages paid	Social aid		Total
1941	199,333	176,789	171,090	954,984	1,090	528,000	126,000	708,000	1.84
1945	588,615	523,194	444,093	7,275,955	5,396	2,744,630	1,264,959	4,009,589	3.03
1950	980,226	746,553	701,316	12,342,458	5,117	4,962,600	2,848,919	7,811,519	4.19
1951	994,294	751,020	681,026	12,714,834	4,997	5,509,771	3,542,159	9,051,930	4.96
1952	1,081,497	764,653	724,295	15,478,276	5,208	6,027,863	3,585,082	9,612,945	5.80
1953	1,314,083	912,321	893,088	20,054,502	5,100	6,917,693	4,018,730	10,936,423	6.61
1954	1,656,932	1,085,225	1,022,101	25,099,750	5,489	8,092,572	5,147,348	13,239,920	7.84
1955	1,805,381	1,188,305	1,060,744	28,789,004	5,737	9,072,967	4,964,187	14,038,154	8.30
1956	2,070,937	1,316,685	1,291,755	34,293,278	5,019	13,059,706	6,523,633	19,583,339	10.74
1957	2,516,059	1,705,684	1,674,019	47,301,415	5,318	15,718,942	8,485,725	24,204,667	12.50
1958	2,602,319	1,724,696	1,724,745	71,501,284	5,019	16,703,261	8,214,046	24,917,307	13.96
1959	2,513,431	1,644,327	1,620,592	82,294,901	4,973	20,233,958	10,312,102	30,516,060	17.03
1960	2,716,878	1,698,415	1,625,160	85,620,418	5,187	24,189,063	12,254,151	36,443,214	19.93

### III. IRON AND STEEL WORKS OF TURKEY 1958-1960 PRODUCTIONS

Commodity	1958 (tons)	1959 (tons)	1960 (tons)
Iron ore	536,000	468,500	426,253
Melted raw iron	114,111	155,984	163,260
Pig iron	114,084	80,194	83,412
Steel	159,876	213,717	265,434
Rolled products	141,882	165,263	214,867
Pipe	30,990	29,652	15,049
Coke and coke powder	556,724	547,242	529,298
Sulfuric acid (60° Bé)	17,281	20,066	20,373
Sulfuric acid (66° Bé)	6,374	6,798	7,313
Superphosphate	5,130	14,048	11,548
Copper sulphate	174	10	—
Ammonium sulphate	4,383	2,995	4,622
Anthracene	86	46	172
Benzol	5,043	4,475	4,655
Creosote	4,865	4,523	4,792
Anti-malarial oil	10	5	5
Naphthalene	668	596	678
Pitch	10,072	9,951	4,995
Road tar	11,130	—	18,174
Solvent naphtha	49	25	81
Toluol	249	265	266
Xylol	129	127	177

**IV. MINERAL STATISTICS\***  
(January-June, 1960)

<i>Commodity</i>	<i>Production (tons)</i>	<i>Export (tons)</i>	<i>Grade of ore</i>
Antimony ore } metal }	1,083	1,195	—
Asbestos .....	5	—	—
Boracite .....	42,028	28,859	—
Chromite ore } metal }	226,892	161,487	—
Coal .....	3,079,124	18,904	—
Copper { refined .....	857	—	99.6 - 99.8 %
blister .....	13,134	11,441	98.5 - 99 %
Emery .....	2,633	3,000	—
Fluorite .....	326	—	—
Iron (including roasted pyrites) .....	364,761	155,198	42 - 58 %
Lead ore } metal }	1,594	—	—
Lignite .....	1,893,328	—	—
Manganese (ore) .....	9,802	{ 16,863 3,500	30 % or more less than 30 %
Marble .....	—	244	—
Meerschaum (sepiolite) .....	—	15.6	—
Meerschaum products .....	—	0.67	—
Mercury ore } metal }	5.9	3	—
Pyrite .....	6,500	21,280	—
Salt .....	—	21,458	—
Sodium sulphate .....	377	—	—
Sulphur .....	7,645	—	—
Zinc ore } metal }	462	—	—

\* Annual Statistics of Exterior Commerce, Ser. 1, July, August, September; 1961, Ankara.