


1974

Industrial Resources - Estill County - Irvine and Ravenna

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INDUSTRIAL RESOURCES

IRVINE & RAVENNA KENTUCKY



ESTILL COUNTY, KENTUCKY

INDUSTRIAL RESOURCES
IRVINE AND RAVENNA, KENTUCKY

Prepared by
The Kentucky Department of Commerce
in cooperation with
The Estill County Chamber of Commerce

1974

This copy has been prepared by the Kentucky Department of Commerce,
Division of Research and Planning, and the cost of printing paid from
state funds.

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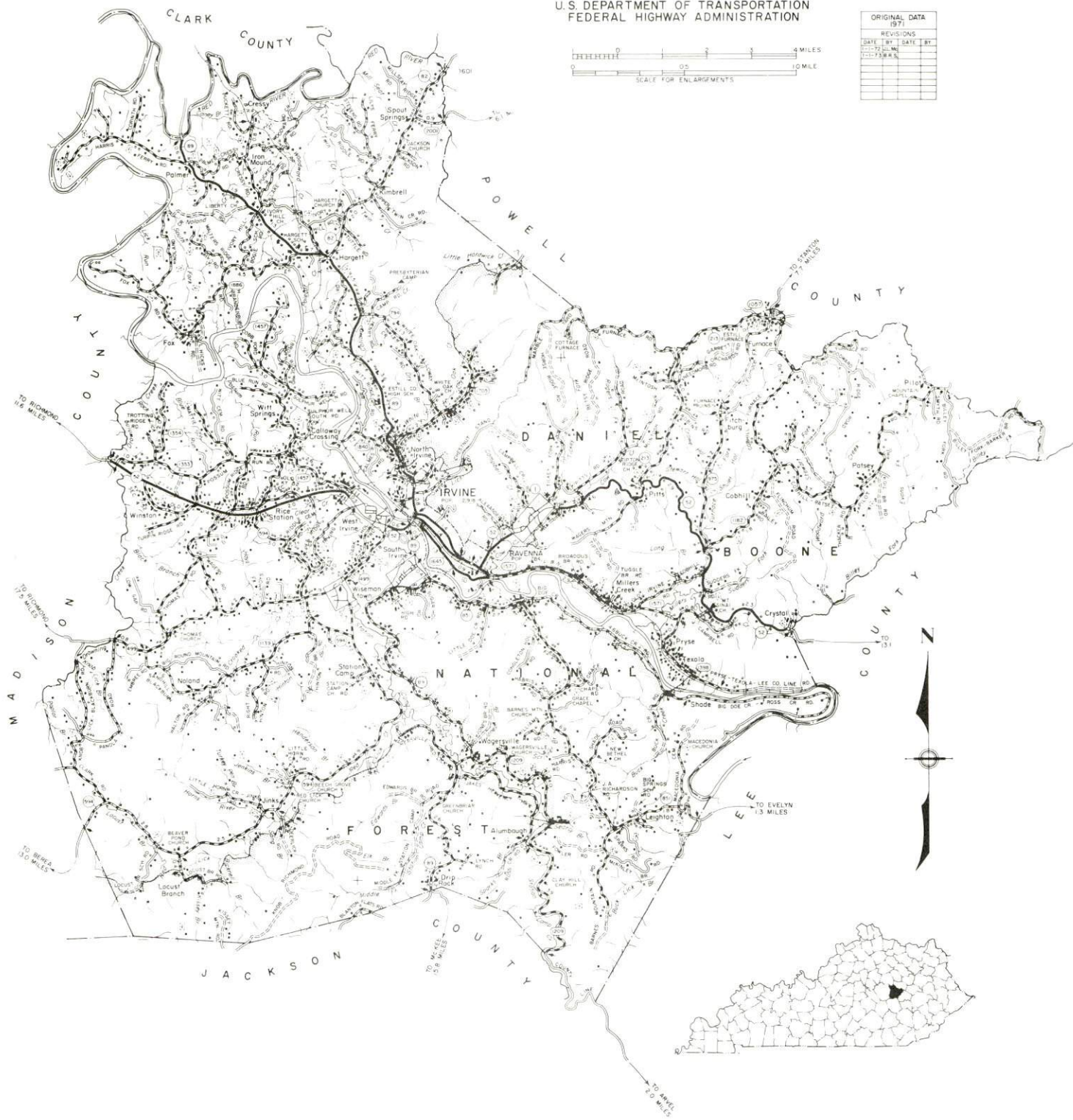
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GENERAL HIGHWAY MAP ESTILL COUNTY KENTUCKY

PREPARED BY THE
KENTUCKY DEPARTMENT OF HIGHWAYS
DIVISION OF PLANNING
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

ORIGINAL DATA (1971)			
REVISIONS			
DATE	BY	DATE	BY



A map showing the six counties in the study area: Clark, Powell, Madison, Estill, Lee, and Jackson. The counties are arranged in a cluster, with Clark at the top, Powell to its right, Madison to its left, Estill in the center, Lee to its right, and Jackson at the bottom.



IRVINE AND RAVENNA, KENTUCKY - A RESOURCE PROFILE

Irvine, the county seat of Estill County, is situated in the central portion of the county. Irvine is 40 miles from Lexington; 99 miles from Louisville; 212 miles from Cincinnati, Ohio; 384 miles from St. Louis, Missouri; and 169 miles from Nashville, Tennessee. The population of Irvine in 1970 was 2,918.

Ravenna, Estill County's rail center, lies adjacent to Irvine on the Kentucky River. In 1970, Ravenna had a population of 784.

Estill County, with a land area of 260 square miles, is located in east central Kentucky, at the eastern edge of the Bluegrass Region in the foothills of historic Daniel Boone National Forest. Estill County had a 1970 population of 12,752.

The Economic Framework

Total employment in Estill County averaged 2,850 jobs in 1972, with agriculture providing 420 jobs, manufacturing 250, government 440, trade and services 380. Since 1963, manufacturing employment has increased by 104 percent or 260 jobs. The county's manufacturing employment is the heaviest in the apparel industry.

Per capita personal income in the county for 1971 was \$2,068, a 188 percent increase since 1961.

In the Irvine and Ravenna labor market area, which includes Estill and its five adjoining counties, total employment in 1972 averaged 36,130. Manufacturing accounted for 7,130 jobs, government 7,840, and trade and services 8,080. Manufacturing employment has increased 174 percent since 1963 with the sharpest gain in the electrical machinery industry.

This area has a deficit of 2,585 manufacturing jobs when measured against the national industrial employment-population ratio. This indicates an area with a potential for additional manufacturing production.

Resources for Growth

1. There is a current estimated labor supply of 6,280 men and 6,200 women available for industrial jobs in the labor market area. In addition, by 1979, 5,000 young men and 4,865 young women will have become 18 years of age and potentially available for work.

2. The local transportation capability is good. The Mountain Parkway, 14 miles north of Irvine, provides interconnections with major interstate and parkway systems. Kentucky routes 52, 89, and 213 also serve the area. Ravenna, the rail center, is served by the Louisville & Nashville Railroad. Irvine's location on the Kentucky River affords direct water transportation possibilities. Commercial air service is available at Lexington, 40 miles from Irvine. The nearest small craft airport is at Stanton, 20 miles away.

3. Energy - Irvine and Ravenna are supplied electrical power by the Kentucky Utilities Company, with portions of the county being served by Jackson County RECC. Columbia Gas of Kentucky, Incorporated, provides natural gas service to Irvine and Ravenna. In addition, there are five propane and butane distributors and one distillate fuel oil distributor serving the area. Irvine Municipal Water Works provides Irvine and Ravenna with water and sewer services, while the county is supplied with water by Estill County Water District No. 1. The Kentucky River provides an ample raw water supply for continued growth.

4. There are two vocational schools located within 40 miles of Irvine - an area vocational center in Richmond, 21 miles away, offering 6 courses, and a state vocational school in Lexington, 40 miles away, offering 19 courses. There are three universities, two senior colleges, one junior college, and a technical institute within 50 miles of Irvine.

Community Programs for Improvement

Irvine and Ravenna

Recent community improvements include: a new department store, a new restaurant, a new bank, a new Army Reserve Building, development of three subdivisions, a figure salon, new seats at the football field, two new service stations, additional street lighting. Several churches have constructed new buildings, and several churches have remodeled existing buildings.

Two trailer parks are being developed, and construction of a private nursing home is planned.

The Estill County Board of Education has recently completed several projects. The Middle School has been remodeled, better heating and air conditioning added, six new classrooms constructed, and the school drive and parking lot resurfaced; a new high school has been built; a "shop" program and home economics program have been added to the middle school; the scope of the Office Business Management Program has been broadened; and a Gainful Employment Program is now offered.

Planned improvements include an addition to the special education classes for the mentally retarded, and expansion of the vocational school.

Recreation, Entertainment and Livability

Irvine and Ravenna have a supervised recreation program for the children during the summer months. Kiwanis Memorial Park offers various outdoor activities for the young people while the Kentucky River provides ample sports opportunities for the boating, fishing, and swimming enthusiasts.

Estill County is located in an area that provides excellent recreation facilities.

Hidden Valley Resort, 25 miles distant, has a motel, restaurant, hiking trails, horseback riding, and 3-hole golf course.

Lexington, approximately 40 miles distant, offers fall and spring racing, intercollegiate competition in sports, drama, concert and lecture series.

Old Fort Harrod State Park, in Harrodsburg, 70 miles away, has 28 acres and features a reproduction of Fort Harrod, a pioneer cemetery, museum, the log cabin where Lincoln's parents were married, gift shop, and "The Legend of Daniel Boone," an outdoor drama presented during the summer months.

Fort Boonesborough State Park, 32 miles away at Boonesboro, is the 108-acre site of Daniel Boone's settlement. The park offers a restaurant, camping, picnic area, playground, supervised recreation, swimming beach, fishing, and boat rentals.

Levi Jackson Wilderness Road State Park, in London, 64 miles away, covers an area of 815 acres. The park has a pool with bathhouse, gift shop, hiking, horseback riding, shuffleboard, picnic area, playground, archery range, and museum. The Mountain Life Museum is a reproduced pioneer settlement of log buildings, furnishings, farm implements, gun collection, McHargue's Mill, and one of the world's largest millstone collections.

Buckhorn Lake State Resort Park, 67 miles away in Buckhorn, consists of 750 acres adjacent to the 1,250-acre Buckhorn Lake in the scenic mountains, and is one of the state's newest resort parks. The park has a lodge, dining room, and camping facilities, and offers fishing, swimming beach, bathhouse, picnic shelter, playground, boat rentals, launching ramp, boat dock with a restaurant, a 40-foot levee, and a fishing pier.

Natural Bridge State Resort Park, in Slade, is only 31 miles away. This park consists of 1,500 acres and offers a lodge, cottages, camping, dining room, restaurant, swimming pool, 54-acre lake, fishing, bathhouse, boats, paddle boats, hiking, horseback riding, picnic shelter, playground, boat ramps, and square dancing. Of the twelve great stone bridges, Natural Bridge is the largest, and a fantastic skylift allows easy viewing of the panoramic scene.

Fort Hill State Park, located at the capital, Frankfort, is 65 miles away. The park consists of Civil War fortifications on 28 acres of historic Fort Hill.

In addition, there are five state shrines within 60 miles of Irvine.

THE LABOR MARKET

POPULATION TRENDS

Area	Population				Percent Change	
	1972*	1970	1960	1950	1960-70	1950-60
Irvine	N. A.	2,918	2,955	3,259	- 1.3	- 9.3
Ravenna	N. A.	784	921	979	-14.9	- 5.9
Labor Market Area	106,800	103,868	91,794	93,406	+13.2	- 1.7
Estill County	13,200	12,752	12,466	14,677	+ 2.3	-15.1
Clark County	25,200	24,090	21,075	18,898	+14.3	+11.5
Jackson County	10,100	10,005	10,677	13,101	- 6.3	-18.5
Lee County	6,800	6,587	7,420	8,739	-11.2	-15.1
Madison County	43,800	42,730	33,482	31,179	+27.6	+ 7.4
Powell County	7,700	7,704	6,674	6,812	+15.4	- 2.0

*Provisional Estimates.

Sources: U. S. Department of Commerce, Bureau of the Census, Census of Population, 1970, 1960, 1950. U. S. Bureau of the Census, Current Population Reports, Series P-26, June 1973.

GENERAL EMPLOYMENT CHARACTERISTICS, 1972

Major Employment Group	Employment	
	Estill County	Labor Market Area
TOTAL	2,850	36,130
Agricultural	420	4,250
Nonagricultural	2,430	31,880
Manufacturing	253	7,133
Government	440	7,840
Trade and Services	379	8,078
Other	1,358	8,829

Source: Kentucky Department of Economic Security, Division of Research and Statistics.

MANUFACTURING EMPLOYMENT TRENDS BY INDUSTRY
SEPTEMBER 1973 AND 1963

Industry	Estill County			Labor Market Area		
	1973	1963	% Change	1973	1963	% Change
TOTAL	508	248	+104.8	8,999	3,275	+174.8
Food & Kindred						
Products	3	9	- 66.7	209	118	+ 77.1
Tobacco	0	0	0	3	6	- 50.0
Apparel-Textiles,						
Leather	442	186	+137.6	1,372	744	+ 84.4
Lumber, Furniture	59	45	+ 31.1	715	409	+ 74.8
Printing & Publishing,						
Paper	4	5	- 20.0	108	67	+ 61.2
Chemicals, Petroleum						
& Coal, Rubber	0	3	0	842	433	+ 94.5
Stone, Clay & Glass	0	0	0	521	102	+410.8
Primary Metals	0	0	0	775	227	+241.4
Machinery, Metal						
Products, Equip.	0	0	0	3,561	1,023	+248.1
Other	0	0	0	893	146	+511.6

Source: Kentucky Department of Economic Security, Number of Workers in Manufacturing Industries Covered by Kentucky Unemployment Insurance Law Classified by Industry and County, September 1973, September 1963.

IRVINE AND RAVENNA MANUFACTURING FIRMS,
THEIR PRODUCTS AND EMPLOYMENT

<u>Firm</u> (<u>Establishment Date</u>)	<u>Product</u>	<u>Employment</u>			<u>Organized</u>
		<u>Total</u>	<u>Male</u>	<u>Female</u>	
<u>Irvine</u>					
Carhartt, Inc. (1934)	Work clothing, men's under- wear	373	77	296	*
Estill County Pallet Co. (1970)	Wood pallets	14	13	1	
Estill Ice Co., Inc. (1919)	Ice	3	3	0	
Estill Woodworking Company (1947)	Furniture, lumber	3			
The Irvine Times-Herald (1922)	Newspaper, job printing	5	3	2	
Travis Wells Lumber Co. (1946)	Rough lumber	2	2	0	
(cont.)					

<u>Firm</u> (<u>Establishment Date</u>) <u>Product</u>	<u>Employment</u>		
	<u>Total</u>	<u>Male</u>	<u>Female</u> <u>Organized</u>
<u>Ravenna</u>			
Smyth Lumber Co. (1948)	Rough lumber, truck bodies, window and door frames	16	15 1

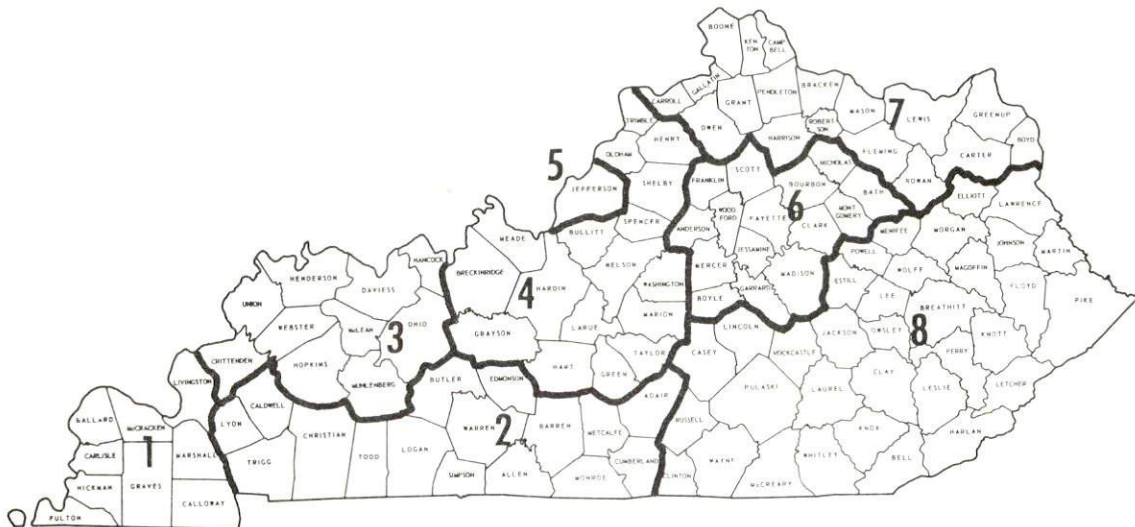
*See Labor Organizations, Page 9.

Source: Kentucky Department of Commerce, 1974 Kentucky Directory of Manufacturers.

WAGES

Occupational wage rates for specific industries are usually not available to most government agencies, and wage data furnished to state employment agencies by industrial employers is protected from disclosure by federal law. The most reliable up-to-date wage information can be obtained by direct contact with local employers.

Associated Industries of Kentucky, a voluntary organization of Kentucky businesses, regularly collects occupational wage rates and fringe benefits data from participating member firms. Data is compiled for over 130 clearly defined office, production, and service occupations. Tabulations are published for eight regions of Kentucky, as shown on the map below. It should be noted that the data may be weighted by the preponderance of firms in the larger cities and may be somewhat higher than the rates paid in the smaller communities. Data from these tabulations are available, upon request, from the Kentucky Department of Commerce, Frankfort, Kentucky 40601.



Associated Industries of Kentucky Area Wage Surveys

LABOR ORGANIZATIONS

Union

Representing manufacturing workers at:

United Garment Workers of
America, AFL-CIO

Carhartt, Inc.

ESTIMATED MALE LABOR SUPPLY IRVINE AND RAVENNA LABOR MARKET AREA

<u>Area</u>	<u>Current</u>				<u>Future</u>
	<u>Total</u>	<u>Not in Labor Force</u>	<u>Unemployed</u>	<u>Under- employed</u>	<u>Reaching 18 Yrs. of Age by 1979</u>
Labor Market					
Area	6,280	2,070	1,730	2,480	5,022
Estill	1,300	710	360	230	627
Clark	560	0	200	360	1,201
Jackson	1,110	690	290	130	570
Lee	600	390	80	130	396
Madison	2,110	0	590	1,520	1,780
Powell	600	280	210	110	448

Sources: Kentucky Department of Economic Security, Kentucky Labor Supply Estimates by County, 1973. Kentucky Department of Commerce, Future Labor Supply by 1979.

ESTIMATED FEMALE LABOR SUPPLY IRVINE AND RAVENNA LABOR MARKET AREA

<u>Area</u>	<u>Current</u>				<u>Future</u>
	<u>Total</u>	<u>Not in Labor Force</u>	<u>Unemployed</u>	<u>Under- employed</u>	<u>Reaching 18 Yrs. of Age by 1979</u>
Labor Market					
Area	6,200	2,470	840	2,890	4,865
Estill	1,100	730	140	230	625
Clark	970	230	90	650	1,165
Jackson	940	700	100	140	555
Lee	510	400	20	90	395
Madison	2,050	0	430	1,620	1,703
Powell	630	410	60	160	422

Sources: Kentucky Department of Economic Security, Kentucky Labor Supply Estimates by County, 1973. Kentucky Department of Commerce, Future Labor Supply by 1979.

PER CAPITA PERSONAL INCOME

<u>Area</u>	<u>1971</u>	<u>1961</u>	<u>% Change</u>
Estill County	\$2,068	\$ 719	+187.6
Labor Market Area Range	\$1,601 - 3,636*	\$619 - 1,767	N. A.
Kentucky	3,310	1,677	+ 97.3
U. S.	4,164	2,265	+ 83.8

*Estimated.

Sources: University of Kentucky, Office of Development Services and Business Research, Per Capita Income in Kentucky. U. S. Department of Commerce, Bureau of Economic Analysis, Survey of Current Business, August, 1973.

TRANSPORTATION

Rail

Line serving Ravenna - Louisville & Nashville Railroad Company

Services - Five freights daily, one local, one fast freight daily, 30-track yard, switching; nearest piggyback facilities are in Richmond, 21 miles west

For details on routing, schedules, rates, and services, contact:

Manager of Industrial Development
Louisville & Nashville Railroad Company
908 West Broadway
Louisville, Kentucky 40203

Truck Service

Company

Home Office

Irvine

Overnite Transportation Company	1100 Commerce Road Richmond, Virginia 23209
Shepherd Truck Line, Inc.*	P. O. Box 481 Irvine, Kentucky 40336

Ravenna

McLean Trucking Company	P. O. Box 213 Winston-Salem, North Carolina 27107
Shepherd Truck Line, Inc.	P. O. Box 481 Irvine, Kentucky 40336

Other Freight Services

Nearest Shipping Center

United Parcel Service	Clay City, 14 miles distant
-----------------------	-----------------------------

*Local Terminal

HIGHWAY MILES AND TRUCK TRANSIT TIME IN DAYS FROM IRVINE, KENTUCKY, TO SELECTED MARKET CENTERS

City	Delivery		City	Delivery	
	Highway Miles	Time TL		Highway Miles	Time TL
Atlanta, Ga.	366	2	Los Angeles, Calif.	2,227	4
Birmingham, Ala.	396	2	Louisville, Ky.	120	1
Chicago, Ill.	412	2	Nashville, Tenn.	249	1
Cincinnati, Ohio	121	2	New Orleans, La.	756	2
Cleveland, Ohio	373	2	New York, N. Y.	797	3
Detroit, Mich.	387	2	Pittsburgh, Pa.	421	3
Knoxville, Tenn.	172	2	St. Louis, Mo.	384	2

Source: Delivery time only - Industrial Resources, Irvine-Ravenna, Kentucky, 1971.

Air

	<u>Nearest Local</u>	<u>Nearest Commercial</u>
	Stanton Airport	Blue Grass Field
Location:	Stanton, 20 miles northeast of Irvine	Lexington, 40 miles north by north- west of Irvine
Runways:	1 paved	2 paved
Length:	3,000 feet	3,500 feet, 6,500 feet
Traffic		
Control:	Wind sock	Tower, guards, radar arrival/ departure control, ground control, ILS system
Lighting:	Sunset to sunrise	Approach lighting system, beacon, runways and obstructions lighted
Services:	80 and 100 octane, hangar and tie down	Eastern, Delta, Piedmont and Allegheny Airlines; 80, 100, and 145 octane, jet fuel, major A & E repairs, storage, restaurant, Weather Bureau, flight instruction, charter service, taxi, U-Drive-It service
Air Freight Service:		All commercial air carriers accept air freight on a space-available basis

Water

Irvine's location on the Kentucky River, where a six-foot navigation channel is maintained, affords direct water transportation possibilities.

	<u>Irvine</u>	<u>Ravenna</u>
<u>Taxi</u> -	Three companies, 24-hour service	Three companies, 24-hour service
<u>Rental Services</u> -	Car rentals	Car rentals

POWER AND FUEL

Electricity

Company serving Irvine and Ravenna - Kentucky Utilities Company

Source of power - Kentucky Utilities Company

Total generating capacity - 1,735,000 KW

For industrial rates contact:

Kentucky Utilities Company
120 South Limestone
Lexington, Kentucky 40507

Company serving Estill County - Jackson County RECC

Source of power - East Kentucky Power Cooperative

Total generating capacity - 548,000 KW

For industrial rates contact:

Jackson County RECC
McKee, Kentucky 40447

Natural Gas

Company serving Irvine and Ravenna - Columbia Gas of Kentucky, Inc.

Source of supply - Columbia Gas Transmission Company

Size of transmission main - 8-inch (supplier); 4-inch (distributor)

Distribution mains - 2 to 8 inches

Distribution pressure - 4 ounces

Btu content - 1,040 per cubic foot

Specific gravity - .60

For rates and supplies contact:

Columbia Gas of Kentucky, Inc.
P. O. Box 241
Lexington, Kentucky 40501

Other Fuels

Propane and butane -

Lisles, Inc., Irvine
Home Furniture Company, Irvine
Hardy Brothers, Irvine
Darch Bottle Gas, Beattyville
Ideal Bottle Gas, Beattyville

Fuel oils -

Distillate fuel oil -

Tracy West Oil Company (Shell), Ravenna

Residual fuel oil - arrangements must be made with the refinery.

Low sulphur content coal - Available locally

WATER AND SEWERAGE

Water

Company serving Irvine and Ravenna - Irvine Municipal Water Works

Source - Kentucky River

Treatment plant capacity - 1,000,000 gallons per day

Average daily consumption - 500,000 to 600,000 gallons

Peak daily consumption - 800,000 gallons

Type treatment - Rapid sand filter

Storage capacity - 610,000 gallons

Size lines - 8, 6, 3 and 2 inches

Average pressure - 85 psi

Tap-on fee - none

MONTHLY WATER RATES FOR WHOLESALE AND INDUSTRIAL CONSUMERS

First	1,000 gallons	\$2.90 (Minimum)
Next	2,000 gallons	1.05 per M gallons
Next	2,000 gallons	.90 per M gallons
Next	5,000 gallons	.55 per M gallons
Next	15,000 gallons	.38 per M gallons
Over	25,000 gallons	.33 per M gallons

Name of water district - Estill County Water District No. 1

Area served - Estill County

Date when water district began operating - 1963

Source of supply of treated water - Irvine Municipal Water Works

Average amount of water used in a 24-hour period - 55,000 gallons

Peak amount of water used in a 24-hour period - 150,000 gallons

Storage capacity - 155,000 gallons

Average pressure - 70 psi

Size lines - 8, 6, and 3 inches

Rates -

First	2,000 gallons	\$6.00
Next	3,000 gallons	2.00 per M gallons
Next	5,000 gallons	1.40 per M gallons
Next	15,000 gallons	1.10 per M gallons
Next	25,000 gallons	1.00 per M gallons
Next	50,000 gallons	.90 per M gallons
Next	100,000 gallons	.50 per M gallons
All over	200,000 gallons	.45 per M gallons

Surface water sources - Kentucky River

Average discharge - Kentucky River at Lock 14, at Heidleberg, Kentucky;
3,439 cfs (39-year record)

Expected ground water yield - 5 to 50 gpm from the center of the county
adjacent to the Kentucky River and the extreme northeast portion; 5 gpm
or less for the remainder of the county

Sewerage

Company serving Irvine and Ravenna - Irvine Municipal Water Works

Design capacity - 800,000 gallons per day

Average daily flow - 250,000 to 300,000 gallons

Treatment - Secondary

Type treatment - Aeration

Treated effluent discharged into - Kentucky River

Size of sanitary mains - 6, 8, 10 and 12 inches

Size of storm mains - 10 to 48 inches

Rates - 90 percent of the monthly water bill

Tap-on fee - none

LOCAL GOVERNMENT

City

Irvine

Structure - Mayor - 4-year term; 6 councilmen - 2-year terms

Income 1973 - \$122,150

Fees and licenses - Business license fees range from \$10 to \$142 annually

Ravenna

Structure - Mayor - 4-year term; 6 councilmen - 2-year terms

Income 1973 - \$41,022

Fees and licenses - Business license fees range from \$5 to \$100 annually

County

Structure - County Judge - 4-year term; 3 magistrates - 4-year terms

Budget 1973-74 - General Fund \$103,312; Road Fund \$39,000

Assessed Value of Property, 1973

Classes of Property

Estill County

Real Estate

\$40,722,216

Tangibles

8,895,704

Public Service

11,654,797

Property Taxes

Land and buildings are taxed by the state and may be taxed by local jurisdictions. The state rate is \$0.015 per \$100 of assessed valuation.

Tangible personal property owned by manufacturers (automobiles, trucks, finished goods, office furniture, office equipment) is taxed by the state at \$0.15 per \$100 and may be taxed by local jurisdictions.

Manufacturing machinery, raw materials inventories, and goods in process inventories are not subject to local taxation. The state rate is \$0.15 per \$100.

Property stored in public warehouses is not subject to local taxation. The state rate is only \$0.015 per \$100

All property is assessed at 100 percent of fair cash value.

Local Property Tax Rate Per \$100 of Assessed Valuation, 1973*

<u>Taxing Jurisdiction</u>	<u>Irvine</u>	<u>Ravenna</u>	<u>Estill County</u>
County	\$. 184	\$. 184	\$. 184
School	. 461	. 461	. 461
City	. 370**	. 390***	

Planning and Zoning

City agency - Irvine Planning Commission

Zoning enforced - City only

Local codes enforced - Building and electrical

Mandatory state codes enforced - Plumbing, National Fire Protection

Association Code, National Building Code (for major buildings and residential construction containing more than 12 bedrooms per building)

Other programs - Public housing

Safety

<u>Police</u>	<u>Irvine</u>	<u>Ravenna</u>	<u>Estill County</u>
Total staff	8	2 (3 on holidays)	3
Radio-patrol cars	2		
Dispatchers	4		

Fire

American Insurance

Association Fire Rating	7	7	10
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Full-time staff			3
-----------------	--	--	---

Volunteers	23	24	18
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Equipment:

1,000 gpm pumpers	1		1
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750 gpm pumpers	1	1	
-----------------	---	---	--

550 gpm pumper	1		
----------------	---	--	--

2,400 gal. tank truck			1
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*Kentucky Department of Revenue, Kentucky Property Tax Rates, 1973.

**Public Service Company - \$. 845

***Public Service Company - \$. 825

Sanitation

	<u>Irvine</u>	<u>Ravenna</u>	<u>Estill County</u>
Type service	municipal	municipal	private
Fee charged:			
residential	\$1 monthly	\$2 monthly	contract
business	\$2 monthly	\$2 to \$5 monthly	contract
Collection frequency:			
residential	twice weekly	weekly	when needed
business	four times weekly	when needed	when needed
Trash pickup	twice weekly	weekly	when needed
Disposal method	landfill	landfill	landfill

EDUCATION

Public Schools

	<u>Estill County</u>
Total Enrollment (1973-74)	3,105
Elementary	1,760
Middle School	543
High School	802
Student-Teacher Ratio	23 - 1
Elementary	23 - 1
Middle School	25 - 1
High School	20 - 1
Percent High School Graduates to College	32.8
Expenditures Per Pupil (1972-73)	\$500.86
Bonded Indebtedness, June 30, 1973	\$2,074,000

Vocational Schools

	<u>Nearest State School</u>	<u>Nearest Area Education Center</u>
	Central Kentucky State Vocational-Technical School	Madison County Area Vocational Education Center
Location	Lexington	Richmond
Miles Distant	40 miles from Irvine	21 miles from Irvine
Curriculum	Accounting Junior Management Clerical Secretarial Marketing and Dis- tributive Education Practical Nursing Learning Lab Electronics (Communication) Technical Drafting Auto Body Repair Auto Mechanics Commercial Foods Cosmetology (cont.)	Clerical Secretarial Auto Mechanics Drafting Machine Shop Welding

Nearest State School (cont.)

Curriculum	Drafting
	Electricity
	Machine Shop
	Office Machine Repair
	Printing
	Sheet Metal
	Welding

Arrangements can be made to provide training in the specific production skills required by an industrial plant. Instruction may be conducted either in the vocational school or in the industrial plant, depending upon the desired arrangement and the availability of special equipment.

Colleges and Universities

<u>Name</u>	<u>Area - Within 50 Miles</u>		<u>Highest Degree Conferred</u>
	<u>Location</u>	<u>Enrollment (Fall, 1973)</u>	
Berea College	Berea	1,340	Baccalaureate
Eastern Kentucky University	Richmond	11,088	Masters
Asbury College	Wilmore	1,170	Baccalaureate
Transylvania University	Lexington	697	Baccalaureate
University of Kentucky	Lexington	20,732	Ph. D., M. D., D. M. D., J. D.
Lexington Technical Institute	Lexington	*	Associate
Southeastern Christian Junior College	Winchester	111	Associate

*Included in University of Kentucky (Lexington) campus.

HEALTH

Hospitals

<u>General Hospital</u>	<u>Location</u>	<u>Beds</u>
Estill County Hospital	Irvine	26

General hospital facilities - Operating room, emergency room,
diagnostic X-ray, OB section, laboratory, outpatient services

Medical staff - 4 doctors, 5 visiting doctors, 6 registered nurses,
2 licensed practical nurses

<u>Nursing Homes</u>	<u>Number</u>	<u>Beds</u>
Personal care homes	1	16

Public Health

Facility - Estill County Health Department

Staff - Sanitarian, clerk, health officer (part-time), clerk (part-time)

Budget 1973-74 - \$36,032

OTHER LOCAL FACILITIES

Communications

	<u>Irvine</u>	<u>Ravenna</u>
Telephone -	Kentucky Telephone Company	Kentucky Telephone Company
Services -	Standard	Standard
Telegraph -	Phone to Winchester	Phone to Winchester
Postal - U. S. Post Office		
Class -	Second	Third
Mail received -	Twice daily	Twice daily
Mail dispatched -	Once daily	Once daily
Newspapers -	Irvine Times Herald	Citizens Voice
Daily and circulation -	5, 000	4, 000
Other papers received from -	Ravenna, Lexington and Louisville, Kentucky; exchange programs with other towns	Irvine, Lexington and Louisville, Kentucky; exchange programs with other towns
Radio -	WIRV	
Stations received from -	Lexington, Louisville, Richmond and Winchester, Kentucky	Irvine, Lexington, Louisville, Richmond and Winchester, Kentucky
Television -		
Cable service -	Yes	Yes
Reception from -	Louisville and Lexington, Kentucky; Knoxville, Tennessee; Cincinnati, Ohio	Louisville and Lexington Kentucky; Knoxville, Tennessee; Cincinnati, Ohio
Kentucky Educational Television -	Richmond transmitter, Channel 46	Richmond transmitter, Channel 46

Library Services

Public library - Estill County Public Library

Size collection - 15,917 volumes

Circulation, 1973 - 94,860

Services - Films, pictures, story hour, magazines, records, meeting room, bookmobile services, special education classes, talking books for the blind, hospital services, jail services, shut-in services, summer reading program, senior citizens programs, head start program, kindergarten material, community services, reference services

Religious Institutions

Number of churches - There are 27 churches in the Irvine-Ravenna area.

Denominations - Baptist, Catholic, Christian, Church of God, Methodist, Nazarene, Primitive Baptist

Nearest synagogues - Lexington, Kentucky, 40 miles away

Congregations - Adath Israel (reform); Ohavey Zion (traditional)

Financial Institutions

<u>Banks</u>	<u>Statement as of June 30, 1972</u>	
	<u>Assets</u>	<u>Deposits</u>
Union Bank and Trust Company	\$10,717,046.79	\$9,372,507.42
Citizens Guaranty	1,489,799.09	920,811.29
<u>Savings and Loan Associations</u>	<u>Assets</u>	<u>Shared Accounts</u>
Estill Federal Savings and Loan Association	\$ 3,749,164.00	\$3,468,329.00

Hotels and Motels

Total number - 4

Units - 50

Clubs and Organizations

Irvine and Ravenna

Business and Civic - Estill County Chamber of Commerce, Kiwanis,
Farm Bureau

Fraternal - American Legion, VFW, Masons

Women's - Daughters of the American Revolution, Garden Club, Eastern
Star, Woman's Club, Homemakers

Youth - 4-H, Boy Scouts, Girl Scouts, FFA, FHA, Little League, Pony
League, Colt League

RECREATION

Local

	<u>Irvine</u>	<u>Ravenna</u>
Public Recreation Facilities		
Supervised program -	Irvine Park Board	
Park -	1	
Tennis courts -	1	1
Baseball diamonds	3	3
Football fields -	1	1
Other -	Estill County Fair Association, two church camps with swimming pools, roller rink	
Private Recreation Facilities		
Country club -	Estill County Golf Club with clubhouse	
Golf course -	1 (9-hole)	
Movie theaters -	1 indoor, 1 drive-in	
Tourist Attractions		
Daniel Boone National Forest		
Cottage Furnace Recreation Area		

Area (Within 70 miles)

Old Fort Harrod State Park
 Fort Boonesborough State Park
 Levi Jackson Wilderness Road State Park
 Buckhorn Lake State Resort Park
 Natural Bridge State Resort Park
 Fort Hill State Park
 Waveland State Shrine
 Constitution Square State Shrine
 Isaac Shelby State Shrine
 William Whitley House State Shrine
 White Hall State Shrine

AGRICULTURE - NATURAL RESOURCES - CLIMATE

Agriculture*

	<u>Estill County</u>	<u>Labor Market Area</u>
Total land area (acres)	166,400	1,078,144
Percent of area in farm land	49.6	64.2
Number of farms	655	5,814
Average size of farms (acres)	126.0	119.1
1969 value of all farm products	\$1,662,837	\$30,949,517
Value per farm	2,538	5,323
Total crop sales	869,999	14,712,874
Total livestock & livestock products	754,199	16,105,578
1972 agricultural production included:		
Burley tobacco (lbs.)(est.)	1,557,000	24,549,000
Corn for grain (bu.)	172,500**	1,865,300**
Cattle and calves (number)	9,200**	132,700**
Hogs and pigs (number)	3,600**	26,800**
Milk production, 1971 (lbs.)	1,500,000	31,960,000***

Natural Resources

Principal mineral resources	Petroleum and stone
Other mineral resources	Coal
Acres of commercial forest land	125,400
Most abundant tree species	Red oak, white oak, yellow poplar, hickory, yellow pine, beech, soft maple

*U. S. Department of Commerce, Bureau of the Census, Census of Agriculture, 1969. U. S. Department of Agriculture and Kentucky Department of Agriculture, Kentucky Agricultural Statistics, 1972.

**Preliminary.

***Two counties did not have figures available.

Climate*

Estill County

Temperature

Annual mean (30-year record)	55.6 degrees
Average annual 1972	54.2 degrees
Record highest, July, 1966** (9-year record)	98.0 degrees
Record lowest, January, 1972 (9-year record)	-11.0 degrees
Normal heating degree days (30-year record)	4,683
(Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F.)	

Precipitation

Mean annual total (30-year record)	44.73 inches
Mean annual snow and sleet (28-year record)	16.30 inches
Total precipitation 1972	57.61 inches
Mean number days precipitation (.01 inch or more) (28-year record)	129
Average number days thunderstorms (28-year record)	47

Prevailing winds (17-year record)	South
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*U. S. Department of Commerce, Environmental Science Services
Administration, Climatological Data, 1972. Station of record:
Lexington, Kentucky.

**Also on earlier dates, months or years.

HISTORY

Estill County is situated in the east central part of the state and covers 260 square miles. The Kentucky River flows in a northwesterly direction through the heart of the county, and the Red River forms part of its northern boundary. The southern and eastern portions are broken and mountainous, while the northern and western portions are rolling. About half of the county's area is contained in Daniel Boone National Forest.

In 1808 Estill became Kentucky's fiftieth county, taking its name from Captain James Estill, a settler from Virginia who migrated to nearby Madison County. Estill's area became a popular center for settlers and was often visited by Daniel Boone. By 1810 the county's first iron works were located on the Red River, and about 1830 a steam furnace was built 10 miles from the site. Although this company became well-known for its quality metal, production was discontinued in 1865 due to poor transportation. In 1866 a new company constructed a large iron mill with two of the world's largest coal furnaces. Although it employed 1,000 men, producing some 10,000 tons of pig iron a year, the mill also failed because of transportation problems.

Irvine, the county seat, formerly called Estill Courthouse, was organized in 1811 and took its name from Colonel William Irvine of Madison County who gave land for the courthouse site. Irvine, with a 1970 population of nearly 3,000, serves with its nearby sister town, Ravenna, as a trading center for a growing agricultural and industrial area. Railroad yards have provided a shipping point for iron ore, coal, timber, agricultural products, and petroleum through the years.

The earliest recorded population figure for Estill County was 2,082 in 1810, which by 1950 was at 14,677. The subsequent decline to 12,466 in 1960 was reversed during the next decades for a total of 12,752 in 1970, and then 13,200 in 1972.

Agricultural employment accounted for 420 of the county's 2,850 employed in 1972, with burley tobacco, corn, cattle, hogs, poultry and hay the principal products. Manufacturing jobs that year averaged 250, with apparel the most important manufactured product. Carhartt, Inc., which makes men's work clothing and underwear, is the county's largest firm. Petroleum has replaced iron ore as the county's most important resource in the modern era, and a number of large natural gas wells are being tapped.