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Deterrent Effects of Antitrust Enforcement [United States]: The Ready-Mix Concrete Industry, 1970-1980

Michael K. Block and Frederick C. Nold

ICPSR 9040

116541

THE DETERRENT EFFECTS OF ANTITRUST ENFORCEMENT [UNITED STATES]:
THE READY-MIX CONCRETE INDUSTRY, 1970-1980

ICPSR 9040

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First ICPSR Edition
Fall 1988

Inter-university Consortium for
Political and Social Research
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Michael K. Block and Fredrick C. Nold
     DETERRENT EFFECTS OF ANTITRUST ENFORCEMENT [UNITED STATES]:   THE
READY-MIX CONCRETE INDUSTRY, 1970-1980 (ICPSR 9040)

SUMMARY: These data were collected to explore the relationship between
profit levels in the concrete industry and the antitrust enforcement
activities undertaken by the United States Department of Justice in
nineteen cities over an eleven-year period. The data collection is
composed mainly of published aggregate data on ready-mix concrete costs
and prices.   Profits and estimates of collusive markups in this
industry can be calculated and related to antitrust enforcement
efforts. Variables include measures of wages and materials costs,
prices of concrete products, number of building permits issued,
gasoline prices, the consumer price index, number of laborers employed,
unemployment rates, measures of change in the Department of Justice's
Antitrust Division budget, change in number of DOJ permanent
enforcement personnel, and number of antitrust criminal actions
initiated by DOJ against ready-mix concrete users, producers of related
products,   producers of substitutes for ready-mix products,   and
ready-mix producers. CLASS IV

SAMPLING: The sample consists of 19 representative cities in the
United States.
NOTE: The data collection is a pooled time-series of cross-sections:
data are presented for the years 1970-1980, although data for 1969 are
available for a limited number of variables. The three files supply
data for varying units of time (months, quarter, years).

EXTENT OF COLLECTION: 3 data files
DATA FORMAT: Logical Record Length

PART 1: Month, City-Month Data   PART 2: Quarter, City-Quarter data
FILE STRUCTURE: rectangular   FILE STRUCTURE: rectangular
CASES: ,2736   CASES: 836
VARIABLES: 32   VARIABLES: 37
RECORD LENGTH: 166   RECORD LENGTH: 158
RECORDS PER CASE: 1   RECORDS PER CASE: 1

PART 3: Year, City-Year Data
FILE STRUCTURE: rectangular
CASES: 228
VARIABLES: 35
RECORD LENGTH: 153
RECORDS PER CASE: 1

RELATED PUBLICATIONS:
     Clabault, J.M., and M.K.   Block.   SHERMAN   ACT   INDICTMENTS,
1955-1980. New York: Federal Legal Publications, 1981.
     Block, M.K., F.C. Nold, and J.G. Sidak. "The Deterrent Effect
of Antitrust Enforcement."   JOURNAL OF POLITICAL ECONOMY 89 (1981),
429-445.

ABSTRACT

Michael K. Block and Frederick C. Nold

The Deterrent Effect of Antitrust Enforcement: The Ready-Mix Concrete Industry, 1970-1980

Rhodes Associates, Palo Alto, California

80-IJ-CX-0105

Purpose of the Study

Data were collected to explore the relationship between profit levels in the concrete industry and the U.S. Department of Justice's antitrust enforcement activities in nineteen cities over an eleven-year period. The project was undertaken to replicate a study of the deterrent effect of DOJ enforcement activities on price-fixing in the bread industry (see Block, Nold, and Sidak, 1981).

Methodology

Sources of information:

Data were compiled from published sources including the *Engineering News Record*; the Bureau of Labor Statistics' *Industry Wage Survey, Employment and Earnings, Geographic Profiles of Employment and Unemployment,* and *Comsumer Energy Prices*; the *Oil and Gas Journal*; the Bureau of Census' *Housing Units Authorized by Building Permits and Public Contracts*; and the *Statistical Abstract of the U.S.* Information on the number of antitrust criminal actions was taken from Clabault and Block (1981).

Sample:

The data collection is a pooled time-series of cross-sections: nineteen cities over a period of 11 years (i.e., 1970-1980, although data for 1969 is available for a limited number of variables). Three files of varying units of time (months, quarter, and years) are available.

Dates of data collection:

1980-1981

Summary of Contents

Special characteristics of the study:

Composed mainly of published aggregate data on costs and prices, profits and estimates of collusive markups in an industry can be calculated and related to antitrust enforcement efforts with this data set.

Description of the variables:

Variables include measures of wages and materials costs, prices of concrete products, number of building permits issued, gasoline prices, the consumer price index, number of laborers employed, unemployment rates, measures of change in the Department of Justice's Antitrust Division budget, change in the number of DOJ permanent enforcement personnel, and number of antitrust criminal actions initiated by DOJ against ready-mix users, producers of related products, producers of substitutes for ready-mix products, and ready-mix producers.

Unit of observation:

Year: repeated annual measures of cities (city-years)
Quarter: repeated quarterly measures of cities (city-quarters)
Month: repeated monthly measures of cities (city-months)

Geographic Coverage

Atlanta, GA, Baltimore, MD, Birmingham, AL, Boston, MA, Chicago, IL, Cincinnati, OH, Cleveland, OH, Dallas, TX, Denver, CO, Detroit, MI, Kansas City, MO, Los Angeles, CA, Minneapolis, MN, New York, NY, Philadelphia, PA, Pittsburgh, PA, St. Louis, MO, San Francisco, CA, and Seattle, WA.

File Structure

Data files:	3; Month, Quarter, Year.
Unit:	Month, city-months Quarter, city-quarters Year, city-years
Variables:	Month, 32 Quarter, 37 Year, 35
Cases:	Month, 2736 Quarter, 836 Year, 228

Reports and Publications

Clabault, J.M. and Block, M.K. (1981). *Sherman Act Indictments, 1955-1980.* New York: Federal Legal Publications.

Block, M.K., Nold, F.C., and Sidak, J.G. (1981). "The Deterrent Effect of Antitrust Enforcement," *Journal of Political Economy* 89(3) 429-445.

[Note: These publications are listed for use as background sources of information, but neither report analyses based on the Ready-Mix Concrete data.]

CITIES INCLUDED IN THE DATA

Atlanta

Baltimore

Birmingham

Boston

Chicago

Cincinnati

Cleveland

Dallas

Denver

Detroit

Kansas City

Los Angeles

Minneapolis

New York

Philadelphia

Pittsburgh

St. Louis

San Francisco

Seattle

Cities included in each DOJ Region

Region 1   Denver
San Francisco
Seattle

Region 2   Los Angeles

Region 3   Chicago
Dallas
Kansas City
Minneapolis
St. Louis

Region 4   Atlanta
Birmingham

Region 5   Cincinnati
Cleveland
Detroit

Region 6   Baltimore
Philadelphia
Pittsburgh

Region 7   Boston
New York

CONCRETE INDUSTRY PRICE-FIXING STUDY

DATA TAPE DOCUMENTATION

BLOCK & NOLD

Palo Alto, California

PART 1:   MONTHLY CONCRETE DATA SET

Variable List for CONC. MONTHLY2[1]

<u>Monthly Concrete Data Set</u>

Variable	Columns	Decimal Places	Description
QTR	1-3	0	Quarter of calendar year. First quarter 1970 = 5 and last quarter 1980 = 48.
CITY	4-5	0	19 cities: 1 = Atlanta 2 = Baltimore 3 = Birmingham 4 = Boston 5 = Chicago 6 = Cincinnati 7 = Cleveland 8 = Dallas 9 = Denver 10 = Detroit 11 = Kansas City 12 = Los Angeles 13 = Minneapolis 15 = New York 16 = Philadelphia 17 = Pittsburgh 18 = St. Louis 19 = San Francisco 20 = Seattle
YEAR	6-7	0	For 1969-1980
LABRWAGE	8-13	2	Fully-loaded wage of a union laborer in heavy construction as reported in <u>Engineering News Record</u> (<u>ENR</u>)
CARPWAGE	14-19	2	Fully-loaded wage of a union carpenter as reported in <u>ENR</u>
TRDRWAGE	20-25	2	Fully-loaded wage of a union truck driver (load 4 cu. yds. and up) as reported in <u>ENR</u>
CEMENTTN	26-30	2	Price per ton of Portland cement reported in <u>ENR</u>

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[1]See "Sources of Data" section for a complete description of sources.

Monthly Concrete Data Set

Variable	Columns	Decimal Places	Description
GRAVELTN	31-35	2	Price per ton of gravel reported in ENR
CRROCKTN	36-40	2	Price per ton crushed rock reported in ENR
SANDTON	41-45	2	Price per ton of sand reported in ENR
RDYMIXCY	46-51	2	Price per cubic yard of ready-mix concrete reported in ENR
CPI	58-63	3	Consumer Price Index for all items for the United States
CONCBLK	64-67	3	Price of an 8"x8"x16" concrete block as reported in ENR
GASPRICE	68-74	3	Price per gallon of leaded regular gasoline in each city
MIX	75-80	3	Material cost of a 5½ sack mix of 3000 P.S.I. ready-mixed concrete. This mix consists of: 1173 lbs. of sand 1835 lbs. of gravel 517 lbs. of Portland cement
DOJBUDG	81-86	0	Fiscal year real change in Antitrust Division budget (including grants to states.)
ANNWKRS	87-91	0	Annual average number employed in construction in each city's SMSA for the years 1976-1979
CWKRS	92-97	0	Average number of construction laborers employed per month by SMSA for the years 1976-1979
LABFORCE	98-103	1	Annual average labor force in construction in each city's SMSA calculated by using: ANNWKRS/(1-URATE/100) for years 1976-1979

Monthly Concrete Data Set

Variable	Columns	Decimal Places	Description
URATE	104-108	1	Unemployment rate in construction in each city's SMSA for years 1976-1979
EMP	109-114	3	Employment rate in each city's SMSA for the years 1976-1979 calculated by using: ANNWKRS/LABFORCE
PERMIT	115-120	0	Number of building permits issued by SMSA
PADJ1	121-125	2	RDYMIXCY-MIX
DOJREG	127	0	A regional antitrust enforcement variable equal to 1 for each SMSA within a region where the Antitrust Division of the Department of Justice filed an action in a month--except for the city incurring the action. Equal to 0 otherwise
DOJREM	129	0	A dummy variable equal to 1 in an SMSA during the month in which an action was filed by the Antitrust Division in that SMSA.
DOJBUDG1	131-136	0	Fiscal year real change in the Antitrust Division budget (net of grants to states)
DOJPOS	137-142	0	Fiscal year change in the number of permanent positions budgeted for in the Antitrust Division budget
MONTH	143-144	0	Month of observation
OGJASP	145-150	3	Pump price of a gallon of leaded regular gasoline by city. Reported weekly in Oil & Gas Journal

Monthly Concrete Data Set

Variable	Columns	Decimal Places	Description
TRKWAGE	151-156	2	Average hourly earnings of truck drivers by city and year reported by BLS
PERMNORM	157-164	1	Average number of building permits issued in an SMSA for the previous 12 months
REGION	165-166	0	Department of Justice region of activity

PART 2: QUARTERLY CONCRETE DATA SET

Variable List for CONC.QTR

Quarterly Concrete Data Set

Card	Variable	Columns	Decimal Places	Description[1]
1	QTR	1-3	0	Quarter of calendar year. First quarter 1970 = 5 and last quarter 1980 = 48.
1	CITY	4-5	0	19 cities: 1 = Atlanta 2 = Baltimore 3 = Birmingham 4 = Boston 5 = Chicago 6 = Cincinnati 7 = Cleveland 8 = Dallas 9 = Denver 10 = Detroit 11 = Kansas City 12 = Los Angeles 13 = Minneapolis 15 = New York 16 = Philadelphia 17 = Pittsburgh 18 = St. Louis 19 = San Francisco 20 = Seattle
1	YEAR	6-7	0	For 1970-1980
1	LABRWAGE	8-13	2	Fully-loaded wage of a union laborer in heavy construction as reported in Engineering News Record (ENR).
1	CARPWAGE	14-19	2	Fully-loaded wage of a union carpenter as reported in ENR
1	TRDRWAGE	20-25	2	Fully-loaded wage of a union truck driver (load 4 cu. yds. and up) as reported in ENR
1	CEMENTTN	26-30	2	Price per ton of Portland cement reported in ENR

[1]See "Sources of Data" section for a complete description of sources.

Quarterly Concrete Data Set

Card	Variable	Columns	Decimal Places	Description
1	GRAVELTN	31-35	2	Price per ton of gravel reported in ENR
1	CRROCKTN	36-40	2	Price per ton crushed rock reported in ENR
1	SANDTON	41-45	2	Price per ton of sand reported in ENR
1	RDYMIXCY	46-51	2	Price per cubic yard of ready-mix concrete reported in ENR
1	CPI	58-63	3	Consumer Price Index for all items for the United States
1	CONCBLK	64-67	3	Price of an 8"x8"x16" concrete block as reported in ENR
1	GASPRICE	68-74	3	Price per gallon of leaded regular gasoline in each city
1	MIX	75-80	3	Material cost of a 5½ sack mix of 3000 P.S.I. ready-mixed concrete. This mix consists of: 1173 lbs. of sand 1835 lbs. of gravel 517 lbs. of Portland cement
1	DOJBUDG	81-86	0	Fiscal year real change in Antitrust Division budget (including grants to states.)
1	ANNWKRS	87-91	0	Annual average number employed in construction in each city's SMSA for year 1976-1979.
1	CWKRS	92-97	0	Average number of construction laborers employed per quarter by SMSA for the years 1976-1979
1	LABFORCE	98-103	1	Annual average labor force in construction in each city's SMSA calculated by using: ANNWKRS/(1-URATE/100) for years 1976-1979

Quarterly Concrete Data Set

Card	Variable	Columns	Decimal Places	Description
1	URATE	104-108	1	Unemployment rate in construction in each city's SMSA for years 1976-1979
1	EMP	109-114	3	Employment rate in each city's SMSA for the years 1976-1979 calculated by using: ANNWKRS/LABFORCE
1	PERMIT	115-120	0	Number of building permits issued quarterly by SMSA
1	PADJ1	121-125	2	RDYMIXCY-MIX
1	N1	126-127	0	Number of government antitrust actions initiated in a DOJ region against ready-mix users.[2]
1	N2	128-129	0	Number of government antitrust actions initiated in the DOJ region of a city against producers of related products.[3]
1	N3	130-131	0	Number of government antitrust actions initiated in the DOJ region of a city against producers of substitutes for ready-mix concrete.[4]
1	N4	132-133	0	Number of government antitrust actions initiated in the DOJ region of a city against ready-mix producers.
1	REM1	134	0	Dummy variable equal to 1 if a DOJ action was initiated in that city and quarter against ready-mix users.[2]
1	REM2	135	0	Dummy variable equal to 1 if a DOJ action was initiated in that city and quarter against producers of related products.[3]

[2]Ready-mix users were defined as those firms in SIC codes 1541, 1611, 1622, 1623, 1629, 1771, 1799, 3272

[3]Related product companies were defined as those firms in SIC codes 1711, 1731, 1761, 3275

[4]Substitute producers were defined as firms in SIC codes 3251, 5029, 5211

Quarterly Concrete Data Set

Card	Variable	Columns	Decimal Places	Description
1	REM3	136	0	Dummy variable equal to 1 if a DOJ action was initiated in that city and quarter against producers of potential substitutes for ready-mix concrete.[4]
1	REM4	137	0	Dummy variable equal to 1 if a DOJ action was initiated against ready-mix producers in that city and year
1	DOJREG1	138-139	0	Number of government antitrust actions initiated in the DOJ region of a city against ready-mix users.[2] Equal to 0 if the action was filed in or involved defendents with their place of business in the city described in the observation
1	DOJREG2	140-141	0	Number of government antitrust actions initiated in the DOJ region of a city against producers of related products.[3] Equal to 0 if the action was filed in or involved defendents with their place of business in the city described in an observation
1	DOJREG3	142-143	0	Number of government antitrust actions initiated in the DOJ region of a city against producers of potential substitutes for ready-mix concrete.[4] Equal to 0 if the action was filed in or involved defendents with their place of business in the city described in an observation
1	DOJREG4	144-145	0	Number of government antitrust actions initiated in the DOJ region of a city against producers of ready-mix concrete. Equal to 0 if the action was filed in or involved defendents with their place of business in the city described in an observation

Quarterly Concrete Data Set

Card	Variable	Columns	Decimal Places	Description
1	DOJBUDG1	146-152	0	Fiscal year real change in the Antitrust Division budget (net of grants to states)
1	DOJPOS	153-158	0	Fiscal year change in the number of permanent positions budgeted for in the Antitrust Division budget

PART 3: ANNUAL CONCRETE DATA SET

Variable List for CONC.ANNUAL

Annual Concrete Data Set

Card	Variable	Columns	Decimal Places	Description[1]
1	CITY	1-2	0	19 cities:
				1 = Atlanta
				2 = Baltimore
				3 = Birmingham
				4 = Boston
				5 = Chicago
				6 = Cincinnati
				7 = Cleveland
				8 = Dallas
				9 = Denver
				10 = Detroit
				11 = Kansas
				12 = Los Angeles
				13 = Minneapolis
				15 = New York
				16 = Philadelphia
				17 = Pittsburgh
				18 = St. Louis
				19 = San Francisco
				20 = Seattle
1	YEAR	3-4	0	For 1970-1980
1	LABRWAGE	5-10	2	Fully-loaded wage of a union laborer in heavy construction as reported in Engineering News Record (ENR)
1	CARPWAGE	11-16	2	Fully-loaded wage of a union carpenter as reported in ENR
1	TRDRWAGE	17-23	2	Fully-loaded wage of a union truck driver (load 4 cu. yds. and up) as reported in ENR
1	CEMENTTN	26-30	2	Price per ton of Portland cement reported in ENR
1	GRAVELTN	31-35	2	Price per ton of gravel reported in ENR

[1]See "Sources of Data" section for a complete description of sources.

2

Annual Concrete Data Set

Card	Variable	Columns	Decimal Places	Description
1	CRROCKTN	36-40	2	Price per ton crushed rock reported in ENR
1	SANDTON	41-45	2	Price per ton of sand reported in ENR
1	RDYMIXCY	46-51	2	Price per cubic yard of ready-mix concrete reported in ENR
1	REM1	52	0	Dummy variable equal to 1 if a DOJ action was initiated in that city and year against ready-mix users[2]
1	REM2	53	0	Dummy variable equal to 1 if a DOJ action was initiated in that city and year against producers of related products[3]
1	REM3	54	0	Dummy variable equal to 1 if a DOJ action was initiated in that city and year against producers of potential substitutes of ready-mix concrete.[4]
1	REM4	55	0	Dummy variable equal to 1 if a DOJ action was initiated against ready-mix producers in that city and year
1	CPI	58-63	3	Consumer Price Index for all items for the United States
1	CONCBLK	64-67	3	Price of an 8"x8"x16" concrete block as reported in ENR
1	GASPRICE	68-74	3	Price per gallon of leaded regular gasoline in each city

[2] Ready-mix users were defined as those firms in SIC codes 1541, 1611, 1622, 1623, 1629, 1771, 1799, 3272.

[3] Related product companies were defined as those firms in SIC codes 1711, 1731, 1761, 3275.

[4] Substitute producers were defined as firms in SIC codes 3751, 5029, 5211.

3

Annual Concrete Data Set

Card	Variable	Columns	Decimal Places	Description
1	MIX	75-80	2	Material cost of a 5½ sack mix of 3000 P.S.I. ready mixed concrete. This mix consists of: 1173 lbs. of sand 1835 lbs. of gravel 517 lbs. of Portland cement
1	DOJBUDG	81-86	0	Calendar year average real change in Antitrust Division budget (including grants to states.).
1	ANNWKRS	87-91	0	Annual average number employed in construction in each city's SMSA for years 1976-1979
1	LABFORCE	98-103	1	Annual average labor force in construction in each city's SMSA calculated by using: ANNWKRS/(1-URATE/100) for years 1976-1979
1	URATE	104-108	1	Unemployment rate in construction in each city's SMSA for years 1976-1979
1	EMP	109-114	3	Employment rate in each city's SMSA for the years 1976-1979 calculated by using: ANNWKRS/LABFORCE
1	PERMIT	115-120	0	Number of building permits issued annually by SMSA
1	PADJ1	121-125	2	RDYMIXCY-MIX
1	N1	126-127	0	Number of government antitrust actions initiated in a DOJ region against ready-mix users.[2]
1	N2	128-129	0	Number of government antitrust actions initiated in the DOJ region of a city against producers of related products.[3]

Annual Concrete Data Set

Card	Variable	Columns	Decimal Places	Description
1	N3	130–131	0	Number of government antitrust actions initiated in the DOJ region of a city against producers of substitutes of ready-mix concrete.[4]
1	N4	132–133	0	Number of government antitrust actions initiated in the DOJ region of a city against ready-mix producers
1	DOJBUDG1	134–140	0	Calendar year average real change in the Antitrust Division budget (net of grants to states)
1	DOJPOS	141–145	0	Calendar year average change in the number of permanent positions budgeted for the Antitrust Division budget
1	DOJREG1	146–147	0	Number of government antitrust actions initiated in the DOJ region of a city against ready-mix users.[2] Equal to 0 if the action was filed in or involved defendents with their place of business in the city described in an observation
1	DOJREG2	148–149	0	Number of government antitrust actions initiated in the DOJ region of a city against producers of related products.[3] Equal to 0 if the action was filed in or involved defendents with their place of business in the city described in an observation
1	DOJREG3	150–151	0	Number of government antitrust actions initiated in the DOJ region of a city against producers of potential substitutes for ready-mix concrete.[4] Equal to 0 if the action was filed in or involved defendents with their place of business in the city described in an observation

Annual Concrete Data Set

Card	Variable	Columns	Decimal Places	Description
1	DOJREG4	152-153	0	Number of government antitrust actions initiated in the DOJ region of a city against producers of ready-mix. Equal to 0 if the action was filed in or involved defendents with their place of business in the city described in an observation

ATTACHMENTS

Sources of Data

Ready-Mix concrete price:

Engineering News Record (ENR), price per cubic yard reported monthly by city (F.O.B. city)

Gravel price:

ENR, price of 3/4" gravel per ton (F.O.B. city) by month and city

Sand price:

ENR, price of sand per ton by month and city (F.O.B. city)

Portland cement price:

ENR, price of Portland cement per ton by month and city (F.O.B. city)

Laborer's wage:

ENR, fully-loaded wage of laborers in heavy construction by month and city

Bureau of Labor Statistics (BLS), Industry Wage Survey. Average hourly earnings of construction laborers by city and year

Truck drivers wage:

ENR, fully-loaded wage of dump truck drivers (loads of 4 cubic yards and up) by month and city

BLS, Area Wage Survey. Average hourly earnings of truck drivers by city and year

Gasoline Price:

BLS, Consumer Energy Prices, monthly bulletin. Average price of a gallon of leaded regular gasoline by city

Oil & Gas Journal, Pump price of leaded regular gasoline by city and week

Standard concrete mix:

Design and Control of Concrete Mixtures, Portland Cement Association. Used weight method to derive a 3000 PSI mix with a .55 water-cement ratio and 3-5" slump. This mix contains:

517 lbs. Portland cement
1173 lbs. of sand
1835 lbs. of gravel/crushed rock

Sources of Data (continued)

Employment rate in construction:
                        BLS, Employment & Earnings,
                        Number employed in construction
                        both annually and monthly by city

                        BLS, Geographic Profiles of Employ-
                        ment and Unemployment, unemployment
                        rate for craft and kindred workers
                        by year and city

Number of building permits: Bureau of the Census, Housing Units
                        Authorized by Building Permits and
                        Public Contracts, monthly bulletin.
                        Number of permits issued by month
                        and city

CPI: Statistical Abstract of the United
                        States, Consumer Price Index for all
                        items for entire U.S. by year

Number of antitrust criminal actions:
                        Clabault, James M., and Block,
                        Michael K., Sherman Act Indictments,
                        1955-1980, Federal Legal Publications,
                        New York, 1981.

                        Antitrust Division, Department of
                        Justice

Transformations used to Generate Additional Variables

Cost Functions (corrected for serial correlation in monthly and quarterly series)

Monthly: $PCOST1 = 6.47 + 4.69*GASPRICE + .306*LABRWAGE$

Quarterly: $PCOST1 = 5.73 + 7.79*GASPRICE + .189*LABRWAGE$

$PCOSTP = 5.74 + 7.64*GASPRICE + .230*LABRWAGE - .282*PERMRATE$

Annual: $PCOST1 = 1.780 + 13.45*GASPRICE + .141*LABRWAGE$

$PCOSTP = 2.060 + 13.33*GASPRICE + .144*LABRWAGE - .232*PERMRATE$

$PROF_i = RDYMIXCY - MIX - PCOST_i$

$DPROF_i = (PROF_{i,t} - PROF_{i,t-1})/RDYMIXCY$

$PERMRATE = PERMIT/(\text{Average PERMIT in previous 12 months})$

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  1 169  .    .    .       .    .    .    .    .      .    .    .    .    .      .    .    .    .   .   .    .     2040  .   0 0    786   40 1  .    .     .    4
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  3 169  .    .    .       .    .    .    .    .      .    .    .    .    .      .    .    .    .   .   .    .     2247  .   0 0    786   40 9  .    .     .    4
  4 169  .    .    .       .    .    .    .    .      .    .    .    .    .      .    .    .    .   .   .    .     1174  .   0 0    786   4010   .    .     .    4
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  5 170  3.25 6.07 3.25 21.97 2.76 2.20 1.15 14.25   1.163.220 0.396 8.372  786  321  317   .   .    .     1004 5.88 0 0    786   40 2 0.359 2.68 1873.8 4
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32 276  7.90 11.31  9.1436.50 4.00 3.25 3.35 30.10    1.705.370 0.60814.382  2222 446  451 496.7 10.2 0.908 100615.72 0 0   1671   51 11  .    .   1169.3 6
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33 277  7.89 11.31  9.1436.50 4.00 3.25 3.35 30.10    1.815.370 0.60714.382  2222 437  393 466.9  6.4 0.842 102915.72 0 0   1671   51 1   .    .   1182.8 6
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Data dump of Block & Nold Quarterly file (DA9040.P2)

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27 275  7.13 10.24  7.9936.50 4.00 3.60 3.25 30.12   1.612.360 0.61214.644 1720 429 498   .   .   .   313515.47 0 0 0 00000 0 0 0 0  1720 144
28 275  7.13 10.24  8.2936.89 4.00 4.03 3.77 30.10   1.612.360 0.60415.170 1720 429 459   .   .   .   233114.93 0 0 0 00000 0 0 0 0  1720 144
29 276  7.14 10.24  8.2935.22 4.00 3.80 3.83 30.10   1.705.360 0.58614.565 1720 446 403 496.7 10.2 0.812 266415.53 0 0 0 00000 0 0 0 0 1720 144
30 276  7.90 11.31  9.1436.50 4.00 3.25 3.35 30.10   1.705.370 0.58814.382 1720 446 438 496.7 10.2 0.882 498915.72 0 0 0 00000 0 0 0 0 1720 144
31 276  7.90 11.31  9.1439.50 4.00 3.25 3.35 30.10   1.705.370 0.61115.157 1720 446 471 496.7 10.2 0.949 384314.94 0 0 0 00000 0 0 0 0 1720 144
32 276  7.90 11.31  9.1436.50 4.00 3.25 3.35 30.10   1.705.370 0.60814.382 2222 446 449 496.7 10.2 0.904 269715.72 0 0 0 00000 0 0 0 0 1671  51
33 277  7.89 11.31  9.1436.50 4.00 3.25 3.35 30.10   1.815.370 0.61514.382 2222 437 395 466.9  6.4 0.846 297615.72 0 0 0 00000 0 0 0 0 1671  51
34 277  7.89 11.31  9.1436.50 4.00 3.25 3.35 30.10   1.815.370 0.62414.382 2222 437 442 466.9  6.4 0.948 462315.72 0 0 0 00000 0 0 0 0 1671  51
35 277  7.96 11.34  9.3138.50 4.00 3.25 3.35 30.10   1.815.370 0.62914.899 2222 437 469 466.9  6.4 1.004 381315.20 0 0 0 00000 0 0 0 0 1671  51
36 277  7.96 11.34  9.3939.50 4.00 3.25 3.35 30.10   1.815.370 0.61915.157 6419 437 442 466.9  6.4 0.947 386714.94 0 0 0 00000 0 0 0 0 1904  13
37 278  7.96 11.34  9.3941.35 4.00 3.38 3.35 31.30   1.954.370 0.61715.439 6419 494 386 514.6  4.0 0.750 276915.86 0 0 0 00000 0 0 0 0 1904  13
38 278  7.96 11.34  9.3941.35 4.00 3.45 3.35 31.90   1.954.383 0.61415.819 6419 494 439 514.6  4.0 0.852 464116.08 0 0 0 00000 0 0 0 0 1904  13
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40 278  7.96 11.34  9.7441.72 4.40 3.45 3.75 31.90   1.954.410 0.63516.149  169 494 475 514.6  4.0 0.924 320415.75 0 0 0 00000 0 0 0 0  635  57
41 279  7.96 11.34  9.7441.72 4.40 3.55 3.75 32.90   2.174.437 0.66916.241  169 520 442 546.2  4.8 0.809 171016.66 0 0 0 00000 0 0 0 0  635  57
42 279  8.88 12.36 10.8346.72 4.40 3.75 3.75 33.40   2.174.450 0.77617.717  169 520 521 546.2  4.8 0.954 352815.68 0 0 0 00000 0 0 0 0  635  57
43 279  8.88 12.36 10.8346.72 4.40 3.75 3.75 34.40   2.174.450 0.92917.717  169 520 546 546.2  4.8 0.999 367816.68 0 0 0 00000 0 0 0 0  635  57
44 279  8.88 12.36 10.8346.72 4.40 3.75 3.75 36.40   2.174.450 1.00017.717 -1804 520 542 546.2  4.8 0.993 334218.68 0 0 0 00000 0 0 0 0 1175 -38
45 280  8.88 12.36 10.8347.17 4.67 3.75 3.75 38.74   2.724.450 1.15617.834 -1804 513 472   .   .   .   146420.91 1 0 0 00000 1 0 0 0 1175 -38
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 5 370  3.35  4.87  3.5419.95 1.65 1.60 2.05 14.95   1.163.187 0.370 7.827  786 129 140   .   .   .    1416 7.12 0 0 0 00000 0 0 0 0  786  40
 6 370  3.35  5.02  4.9019.95 1.65 1.60 2.05 14.95   1.163.187 0.391 7.827  786 129 145   .   .   .     765 7.12 0 0 0 00000 0 0 0 0  786  40
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 9 371  3.90  5.22  4.9021.72 1.65 1.60 2.05 14.95   1.213.187 0.404 8.284  741 161 133   .   .   .    1398 6.67 0 0 0 00000 0 0 0 0  741  15
10 371  3.90  5.62  4.9022.07 1.65 1.60 2.05 16.32   1.213.219 0.401 8.375  741 161 164   .   .   .    2778 7.94 0 0 0 00000 0 0 0 0  741  15
11 371  3.95  5.65  5.5922.07 1.65 1.60 2.05 17.00   1.213.235 0.409 8.375  714 161 174   .   .   .    1971 8.63 0 0 0 00000 0 0 0 0  657  20
12 371  3.98  5.80  5.9322.96 1.65 1.63 2.55 17.00   1.213.247 0.404 8.928  714 161 162   .   .   .    2811 8.07 0 0 0 00000 0 0 0 0  657  20
13 372  4.05  6.20  4.9324.60 1.65 1.65 3.50 18.00   1.253.253 0.407 9.926  714 177 160   .   .   .    1941 8.07 0 0 0 00000 0 0 0 0  657  20
14 372  4.31  6.47  4.9324.60 1.65 1.65 3.50 18.00   1.253.264 0.370 9.926  714 177 174   .   .   .    3063 8.07 0 0 0 00000 0 0 0 0  657  20
15 372  4.38  6.61  5.1324.60 1.65 1.65 3.50 18.00   1.253.270 0.407 9.926 -204 177 183   .   .   .    2304 8.07 0 0 0 00000 0 0 0 0 -147  -1
16 372  4.45  6.89  5.4824.60 1.65 1.65 3.50 18.00   1.253.270 0.412 9.926 -204 177 158   .   .   .    3081 8.07 0 0 0 00000 0 0 0 0 -147  -1
17 373  4.58  6.87  5.3826.33 1.65 1.65 5.33 18.50   1.331.290 0.41211.449 -204 203 154   .   .   .    2295 7.05 0 0 0 10000 0 0 0 1 -147  -1
18 373  4.58  7.12  5.5827.20 1.65 1.65 6.45 18.75   1.331.296 0.41212.328 -204 203 175   .   .   o    1941 6.42 0 0 0 00000 0 0 0 0 -147  -1
19 373  4.58  7.12  5.9827.20 1.65 1.65 6.45 18.75   1.331.287 0.41212.328  369 203 194   .   .   .    1500 6.42 0 0 0 00000 0 0 0 0  370   0
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21 374  4.88  7.54  5.9829.80 1.65 1.65 4.00 20.75   1.477.350 0.48611.563  369 206 198   .   .   .    1560 9.19 0 0 0 00000 0 0 0 0  370   0
22 374  4.88  7.54  5.9830.37 1.75 1.75 4.00 21.75   1.477.    0.52811.803  369 206 210   .   .   .    1290 9.95 0 0 0 00000 0 0 0 0  370   0
23 374  5.13  7.69  6.0830.43 1.75 1.75 4.00 21.75   1.477.    0.54711.818 1310 206 213   .   .   .    1032 9.93 0 0 0 00000 0 0 0 0 1309  83
24 374  5.13  7.99  6.2831.32 1.75 1.75 4.00 21.75   1.477.    0.52612.047 1310 206 197   .   .   .     522 9.70 0 0 0 00000 0 0 0 0 1309  83
25 375  5.13  7.99  6.2834.43 1.85 1.80 4.00 22.92   1.612.377 0.53612.897 1310 189 186   .   .   .    59110.02 0 0 0 00000 0 0 0 0 1309  83
26 375  5.30  7.99  6.2837.20 2.02 1.90 4.00 25.25   1.612.377 0.54913.705 1310 189 204   .   .   .   121211.54 0 0 0 00000 0 0 0 0 1309  83
27 375  5.38  8.16  6.3837.20 1.95 1.90 4.00 25.25   1.612.324 0.58313.705 1720 189 200   .   .   .   136811.54 0 0 0 00000 0 0 0 0 1720 144
28 375  5.38  8.49  6.5837.20 1.95 1.90 4.00 25.25   1.612.365 0.58113.705 1720 189 187   .   .   .   104711.54 0 0 0 00000 0 0 0 0 1720 144
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30 376  5.80  8.49  6.5840.32 2.15 1.90 4.00 27.92   1.705.365 0.58214.512 1720 200 198   .   .   .   166813.40 0 0 0 00000 0 0 0 0 1720 144
31 376  6.01  8.61  6.5840.32 2.35 1.90 4.00 28.42   1.705.400 0.61214.512 1720 200 203   .   .   .   115513.90 0 0 0 00000 0 0 0 0 1720 144
32 376  6.01  8.84  6.5840.32 2.45 1.90 4.00 28.75   1.705.400 0.60814.512 2222 200 194   .   .   .    96914.24 0 0 0 00000 0 0 0 0 1671  51
33 377  6.01  8.84  6.5840.32 2.50 1.90 4.00 28.75   1.815.400 0.61614.512 2222 225 184   .   .   .   204914.24 0 0 1 00000 0 0 1 0 1671  51
34 377  6.01  8.84  6.5840.79 2.50 1.90 4.00 30.25   1.815.407 0.64914.634 2222 225 219   .   .   .   137415.62 0 0 0 00000 0 0 0 0 1671  51
35 377  6.36  9.18  6.9041.46 2.50 1.90 4.00 30.25   1.815.420 0.65614.807 2222 225 231   .   .   .   193215.44 0 0 0 00000 0 0 0 0 1671  51
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37 378  7.06  9.89  7.1842.91 2.80 2.65 4.00 31.25   1.954.420 0.63515.824 6419 238 223   .   .   .   103815.43 0 0 0 00000 0 0 0 0 1904  13
38 378  7.06  9.90  7.1846.62 2.95 2.65 4.00 31.92   1.954.420 0.65016.829 6419 238 237   .   .   .   151815.09 0 0 0 00000 0 0 0 0 1904  13
39 378  7.23 10.13  7.4346.62 3.25 2.90 4.00 32.25   1.954.420 0.67017.058 6419 238 248   .   .   .   110115.19 1 0 1 00000 1 0 1 0 1904  13
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41 379  7.56 10.60  7.9350.64 3.25 2.90 4.00 35.00   2.174.450 0.72218.097  169 217 207   .   .   .    97516.90 0 0 0 00000 0 0 0 0  635  57
42 379  7.56 10.60  7.9350.85 3.25 2.90 4.33 35.08   2.174.523 0.78718.347  169 217 223   .   .   .   117316.74 0 0 0 00000 0 0 0 0  635  57
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47 380  8.19 11.62  8.7352.10 4.00 4.60 6.00 38.67   2.724.610 1.21020.626 -1804  201  221   .     .    .     100518.04 9 0 0 00000 9 0 0 0  1175  -38
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11 471  6.35  8.26  5.2125.27 3.25 3.75 3.00 22.00   1.213.284 0.40411.274   714  544  593   .     .    .      479410.73 0 0 00000 0 0 0 0   657  20
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21 474  7.20  9.86  6.9130.95 4.00 3.65 3.33 25.75   1.477.350 0.48913.182   369  554  480   .     .    .      340212.57 0 0 00000 0 0 0 0   370   0
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24 474  8.05 10.62  7.4737.40 4.58 3.40 4.08 28.33   1.477.403 0.53215.182  1310  554  562   .     .    .      178813.15 0 0 00000 0 0 0 0  1309  83
25 475  8.05 10.62  7.4737.40 4.92 3.40 4.25 30.00   1.612.400 0.53415.280  1310  468  453   .     .    .       49514.72 0 0 00000 0 0 0 0  1309  83
26 475  8.22 10.62  7.4737.40 5.25 3.50 4.25 30.00   1.612.400 0.55215.372  1310  468  486   .     .    .      209714.63 0 1 0 00000 0 1 0 0  1309  83
27 475  8.60 11.34  7.4737.40 5.25 3.50 4.25 30.00   1.612.400 0.60015.372  1720  468  501   .     .    .      319514.63 0 0 00000 0 0 0 0  1720 144
28 475  8.58 11.34  7.4737.40 5.25 3.50 4.25 30.80   1.612.400 0.59215.372  1720  468  463   .     .    .      121515.43 0 0 00000 0 0 0 0  1720 144
29 476  8.55 11.34  8.4338.00 5.25 3.50 4.25 31.20   1.705.400 0.57915.527  1720  420  371 462.0 9.1 0.804  105315.67 1 0 0 00000 1 0 0 0  1720 144
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31 476  8.84 11.56  9.0842.00 5.25 3.50 4.25 29.00   1.705.400 0.59816.561  1720  420  422 462.0 9.1 0.913  209112.44 0 0 00000 0 0 0 0  1720 144
32 476  8.95 11.67  9.1642.00 5.42 3.75 4.42 29.47   1.705.400 0.59616.888  2222  420  390 462.0 9.1 0.845  169212.58 0 0 00000 0 0 0 0  1671  51
33 477  8.95 11.67  9.1642.00 6.00 3.75 4.50 29.70   1.815.400 0.60216.937  2222  357  339 395.3 9.7 0.858  134112.76 0 0 00000 0 0 0 0  1671  51
34 477  9.04 11.67  9.2942.00 6.00 3.75 4.50 29.70   1.815.400 0.62016.937  2222  357  401 395.3 9.7 1.014  209112.76 0 0 00000 0 0 0 0  1671  51
35 477  9.22 11.95  9.5443.17 5.67 3.75 4.50 29.90   1.815.417 0.62317.239  2222  357  441 395.3 9.7 1.115  194712.66 0 0 00000 0 0 0 0  1671  51
36 477  9.24 12.09  9.5442.00 6.00 3.75 4.25 30.23   1.815.490 0.62116.790  6419  357  426 395.3 9.7 1.077  320413.44 0 0 00000 0 0 0 0  1904  13
37 478  9.28 12.39  9.5441.00 6.50 4.00 4.75 31.45   1.954.600 0.61717.054  6419  389  346 412.5 5.7 0.840  107714.40 0 0 00000 0 0 0 0  1904  13
38 478  9.28 12.39  9.5439.00 6.67 4.00 4.75 32.35   1.954.600 0.61716.537  6419  389  408 412.5 5.7 0.990  184215.81 0 0 00000 0 0 0 0  1904  13
39 478  9.28 13.19  9.5443.00 7.00 4.00 4.75 32.35   1.954.600 0.63317.571  6419  389  458 412.5 5.7 1.109  373214.78 0 0 00000 0 0 0 0  1904  13
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41 479  9.57 13.69 10.6950.00 8.17 5.00 4.75 38.25   2.174.600 0.68320.298   169  411  353 432.6 5.0 0.816  106217.95 0 0 00000 0 0 0 0   635  57
42 479  9.98 13.64 10.6950.03 9.50 5.00 6.00 38.25   2.174.613 0.79621.040   169  411  413 432.6 5.0 0.954  255917.21 0 0 00000 0 0 0 0   635  57
43 479 10.80 13.54 10.6950.00 9.50 5.00 6.00 38.25   2.174.620 0.95021.031   169  411  450 432.6 5.0 1.041  207917.22 1 0 0 00000 1 0 0 0   635  57
44 479 10.80 13.59 11.2550.00 9.50 5.00 6.00 39.58   2.174.620 0.99421.031 -1804  411  445 432.6 5.0 1.028  239418.55 0 0 00000 0 0 0 0  1175  -38
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46 480 11.30 13.94 11.9158.1710.00 5.50 6.00 44.25   2.724.760 1.21223.602 -1804  401  443   .     .    .      114320.65 0 0 00000 0 0 0 0  1175  -38
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48 480 11.55 14.06 11.9154.0810.00 5.50 6.00 44.25   2.724.760 1.21222.546 -3580  401  444   .     .    .      152421.70 0 0 00000 0 0 0 0 -1959   0
 5 570  5.22  6.61  5.5221.99 2.83 1.90 3.13 16.50   1.163.310 0.417 9.263   786 1186 1161   .     .    .       8700 7.24 0 0 00000 0 0 0 0   786  40
 6 570  5.52  6.89  5.6022.08 2.83 1.97 3.13 15.00   1.163.310 0.424 9.351   786 1186 1201   .     .    .      10092 5.65 0 0 00000 0 0 0 0   786  40
 7 570  6.12  7.45  5.6022.08 2.83 1.97 3.13 15.50   1.163.310 0.424 9.351   741 1186 1248   .     .    .      10641 6.15 0 0 00000 0 0 0 0   741  15
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 9 571  6.12  7.45  5.9524.74 2.83 1.97 3.13 17.08   1.213.320 0.43210.039   741 1193 1064   .     .    .       9723 7.04 0 0 00000 0 0 0 0   741  15
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11 571  7.12  8.65  5.9524.74 2.83 1.97 3.13 16.75   1.213.340 0.42710.039   714 1193 1196   .     .    .      18597 6.71 0 0 00000 0 0 0 0   657  20
12 571  7.12  8.66  5.9524.76 2.83 1.97 3.13 16.75   1.213.340 0.43210.034   714 1193 1185   .     .    .      14829 6.71 0 0 00000 0 0 0 0   657  20
13 572  7.12  8.66  5.9524.80 2.83 1.97 3.13 17.58   1.253.340 0.43210.054   714 1195 1050   .     .    .       8106 7.53 0 0 00000 0 0 0 0   657  20
14 572  7.12  8.66  5.9524.53 2.83 1.97 3.13 16.75   1.253.340 0.432 9.985   714 1195 1210   .     .    .      15129 6.76 0 0 00000 0 0 0 0   657  20
15 572  7.12  9.19  6.1424.40 2.83 1.97 3.13 16.75   1.253.357 0.432 9.951  -204 1195 1293   .     .    .      16416 6.80 0 0 00000 0 0 0 0  -147  -1
16 572  7.62  9.58  6.5124.40 2.83 1.97 3.13 16.75   1.253.365 0.432 9.951  -204 1195 1210   .     .    .      15495 6.80 1 0 01000 0 0 0 0  -147  -1
17 573  7.62  9.81  6.5124.40 2.83 1.97 3.13 16.75   1.331.365 0.432 9.951  -204 1219 1063   .     .    .      12087 6.80 0 0 00000 0 0 0 0  -147  -1
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19 573  7.89 10.34  8.2025.50 2.83 1.97 3.13 17.15   1.331.380 0.43210.020   369 1219 1353   .     .    .      13353 6.91 0 0 00000 0 0 0 0   370   0
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21 574  8.02 10.34  8.2029.00 3.00 2.51 3.50 21.18   1.477.387 0.52611.852   369 1145 1109   .     .    .       6489 9.33 7 0 0 01000 0 0 0 0   370   0
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 673  6.94  9.84   6.22 25.87 1.90 2.20 1.69 20.700000  1.331.229 0.421 9.421    83 253                       854411.28 0 2 0 0   112  -1 0 2 0 0
 674  8.52 10.55   6.68 30.83 2.02 2.35 1.79 21.780000  1.477.253 0.537 10.879  840 243                       584410.90 0 0 0 0   840  42 0 0 0 0
 675  9.44 11.27   7.06 37.00 2.22 2.58 1.95 27.480000  1.612.279 0.566 12.742 1515 222                       591914.74 1 2 0 0  1515 114 1 2 0 0
 676  9.77 11.81   8.79 38.29 2.43 2.88 2.13 27.650000  1.705.308 0.578 13.382 1846 225  236.8 5.0 0.901      801914.27 0 0 0 0  1708 121 0 0 0 0
 677  9.77 12.41   8.24 39.69 2.62 3.13 2.28 29.700000  1.815.323 0.608 13.999 3271 241  252.9 4.7 0.946     1041315.70 1 0 0 2  1729  42 1 0 0 2
 678 10.20 13.26   8.94 42.13 2.92 3.63 2.47 31.820000  1.954.367 0.624 15.022 4857 259  271.8 4.7 0.953     1148116.80 2 0 1 0  1587  24 2 0 1 0
 679 10.99 14.32  10.17 50.07 3.25 4.05 3.08 40.950000  2.174.370 0.841 17.733 -324 274  281.6 2.7 1.021      954023.22 0 0 0 2   770  33 0 0 0 2
 680 11.39 15.61  10.80 55.10 3.39 4.23 2.99 39.370000  2.468.370 1.153 19.113 -2248 265                      549520.26 0 0 1 0   392 -29 0 0 1 0
 769    .     .      .                 .0000     .          .        .              .                           12708  .   0 0 0 0   786  40 0 0 0 0
 770  6.29  8.50   5.17 26.97 2.75 2.87 1.89 17.250000  1.163.     0.403 10.607  764 322                         7989 6.64 0 0 0 1   764  28 0 0 0 1
 771  6.78  9.66   5.67 27.64 2.89 2.92 2.58 17.690000  1.213.     0.412 11.271  728 301                        12408 6.41 0 0 0 0   699  18 0 0 0 0
 772  7.12 10.31   6.16 26.18 4.65 4.30 3.83 19.120000  1.253.     0.412 12.916  255 300                        14010 6.20 0 1 0 0   255  10 0 1 0 0
 773  7.76 10.67   6.70 26.00 4.85 4.58 4.32 20.140000  1.331.285 0.416 13.460    83 313                         8103 6.68 0 2 0 0   112  -1 0 2 0 0
 774  8.59 11.36   7.45 33.01 4.85 4.96 4.84 24.270000  1.477.328 0.533 15.763  840 322                         6819 8.51 0 0 0 0   840  42 0 0 0 0
 775  8.98 12.20   7.83 40.85 5.85 5.08 5.55 27.650000  1.612.370 0.572 18.476 1515 305                         5787 9.17 1 2 0 0  1515 114 1 2 0 0
 776  9.70 13.05   8.65 44.45 6.15 5.08 5.92 28.770000  1.705.390 0.585 19.621 1846 297  318.7 6.8 0.895        7110 9.15 0 0 0 0  1708 121 0 0 0 0
 777 10.18 13.91   9.11 42.27 6.32 5.15 6.27 28.470000  1.815.370 0.605 19.324 3271 295  321.7 8.3 0.914       10368 9.15 1 0 0 2  1729  42 1 0 0 2
 778 11.25 14.76  10.17 49.33 6.40 5.47 6.35 32.350000  1.954.415 0.622 21.497 4857 324  339.6 4.6 0.922        8532 10.85 2 0 1 0 1587  24 2 0 1 0
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 871  4.27  6.30   4.63 23.78 2.66 2.16 1.91 17.330000  1.213.     0.373 9.253  728 381                        29724 8.08 0 0 0 0   699  18 0 0 0 0
 872  4.93  7.08   5.06 25.30 2.75 2.25 2.00 17.500000  1.253.     0.374 9.777  255 566                        26586 7.72 1 0 0 0   255  10 1 0 0 0
 873  5.44  7.87   5.20 26.25 2.77 2.27 2.02 18.080000  1.331.     0.374 10.048   83 598                        18486 8.03 1 0 1 0  112  -1 1 0 1 0
 874  5.84  8.29   5.81 33.03 2.99 2.47 2.20 22.460000  1.477.     0.489 12.096  840 593                        22185 10.36 7 0 0 0 840  42 7 0 0 0
 875  6.02  8.60   6.22 33.90 3.66 4.13 2.83 24.500000  1.612.540 0.525 13.579 1515 492                        16908 10.92 1 1 0 0 1515 114 1 1 0 0
 876  6.02  9.43   6.87 41.85 4.45 5.26 3.80 24.500000  1.705.540 0.547 17.130 1846 493  506.2 2.6 0.925       27087 7.37 0 3 0 0 1708 121 0 3 0 0
 877  6.02 10.26   7.25 44.45 3.60 5.61 4.15 27.670000  1.815.575 0.586 17.227 3271 578  591.6 2.3 0.908       44178 10.44 3 0 0 0 1729  42 3 0 0 0
 878  6.38 10.94   7.63 50.67 5.02 6.70 4.74 34.850000  1.954.690 0.590 20.480 4857 676  695.5 2.8 0.872       46620 14.37 2 1 0 0 1587  24 2 1 0 0
 879  7.22 11.58   8.57 57.94 7.42 8.86 5.30 42.250000  2.174.800 0.789 24.894 -324 793  806.7 1.7 0.969     4394117.35 4 0 0 0  770  33 4 0 0 0
 880  8.18 12.86   9.63 63.65 9.22 10.55 6.00 51.380000 2.468.850 1.131 28.431 -2248 854                     3406722.95 0 0 0 0  392 -29 0 0 0 0
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1173  8.45  8.93   7.83 25.55 4.50 3.00 1.28 20.950000  1.331.392 0.408 10.107  83 269                       1045210.84 1 0 1 0   112  -1 1 0 1 0
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1177 10.47 11.65  10.89 43.77 6.00 3.47 1.55 29.500000  1.815.511 0.596 15.405 3271 244  257.7 5.3 0.866     1075514.09 3 0 0 0 1729  42 3 0 0 0
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1373  7.13  8.64   7.08  26.60 4.43 6.58 3.43 18.920000  1.331.305 0.41712.957    83  393     .    .    .      11751 5.96 1 0 1 0    112   -1 1 0 1 0
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1379 10.57 12.63  10.78  57.50 7.8510.14 5.89 36.690000  2.174.537 0.86025.525  -324  468    477.1  1.9 0.950 1742111.17 4 0 0 0    770   33 4 0 0 0
1380 11.29 13.48  11.49  62.83 9.3811.31 7.00 45.300000  2.468.595 1.17428.949 -2248  443      .    .    .     1295716.35 0 0 0 0    392  -29 0 0 0 0
1569                                            0000                                                  .    .    .      37471  .      0 0 0 0    786   40 0 0 0 0
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1572  8.81 11.09   8.31  24.45 3.75 3.64 4.10 23.710000  1.253.    0.44312.068   255 1289     .    .    .     5102411.64 0 0 0 0    255   10 0 0 0 0
1573  9.45 11.81   9.96  24.60 3.75 3.78 4.10 24.650000  1.331.    0.44312.19    83 1322     .    .    .     2619612.46 0 0 0 0    112   -1 0 0 0 0
1574  9.95 12.52  10.21  31.23 3.75 4.15 4.10 26.470000  1.477.    0.56013.919   840 1236     .    .    .     1945512.55 0 0 0 0    840   42 0 0 0 0
1575 10.61 13.43  10.50  34.07 3.74 6.62 4.77 27.850000  1.612.330 0.58015.038  1515  976     .    .    .      724812.81 0 1 0 0   1515  114 0 1 0 0
1576 11.03 14.28  11.42  37.55 3.75 6.39 5.25 28.250000  1.705.330 0.59516.226  1846  813     .    .    .      814512.02 1 0 0 0   1708  121 1 0 0 0
1577 11.68 15.02  12.10  40.00 3.74 5.72 5.24 30.620000  1.815.330 0.61816.854  3271  790    921.8 11.8 0.919 1212613.77 0 0 0 0   1729   42 0 0 0 0
1578 12.47 15.73  12.44  39.92 3.54 6.16 5.25 34.360000  1.954.330 0.63016.648  4857  819    878.8 10.1 0.925 1709417.71 0 0 1 0   1587   24 0 0 1 0
1579 13.25 16.80  14.34  49.08 2.50 6.20 5.25 45.070000  2.174.743 0.88218.060  -324  888    902.0  9.2 0.895 1669827.01 1 0 0 0    770   33 1 0 0 0
1580 13.66 17.33  14.84  53.34 2.50 7.89 5.25 49.000000  2.468.950 1.24019.162 -2248  932    957.9  7.3 0.912  963529.84 1 0 0 0    392  -29 1 0 0 0
1669                                            0000                                                  .    .    .      23493  .      0 0 0 0    786   40 0 0 0 0
1670  4.88  7.74   4.80  20.47 2.87 3.55 2.47 15.270000  1.163.    0.401 9.379   764  849     .    .    .      23847 5.89 0 0 0 0    764   28 0 0 0 0
1671  5.46  8.71   5.50  23.21 3.15 3.95 2.75 18.350000  1.213.239 0.40810.502   728  821     .    .    .      30534 7.85 0 0 0 0    699   18 0 0 0 0
1672  6.55 10.00   6.44  24.20 3.30 4.00 2.85 21.500000  1.253.    0.40010.955   255  860     .    .    .     3534910.55 0 0 1 0    255   10 0 0 1 0
1673  7.10 10.42   6.94  24.87 3.80 4.12 2.94 19.860000  1.331.    0.41211.643    83  888     .    .    .      28980 8.21 0 2 0 0    112   -1 0 2 0 0
1674  7.95 11.27   7.19  29.71 4.20 4.15 3.38 22.900000  1.477.    0.53213.472   840  862     .    .    .      16680 9.43 0 0 0 0    840   42 0 0 0 0
1675  8.68 12.19   8.40  34.01 4.20 4.15 3.55 24.970000  1.612.    0.56214.681  1515  700     .    .    .     1372510.29 0 0 0 0   1515  114 0 0 0 0
1676  9.33 12.90   9.05  37.35 4.20 4.15 3.55 26.340000  1.705.    0.58115.544  1846  648    727.3 10.9 0.917 1644010.80 0 0 0 0   1708  121 0 0 0 0
1677  9.87 13.50   9.66  40.58 4.20 4.15 3.55 28.000000  1.815.    0.61416.380  3271  644    694.0  7.2 0.902 1932911.62 0 0 0 0   1729   42 0 0 0 0
1678 10.45 14.08  10.22  36.47 4.30 4.43 3.61 30.330000  1.954.    0.62515.462  4857  705    754.8  6.6 0.867 2166014.87 0 0 0 0   1587   24 0 0 0 0
1679 10.96 14.63  10.76  44.20 4.72 5.04 3.88 34.000000  2.174.    0.86318.028  -324  763    819.5  6.9 0.919 1925415.97 0 0 0 0    770   33 0 0 0 0
1680 11.50 15.15  11.26  47.97 5.62 5.75 4.60 36.500000  2.468.    1.19120.230 -2248  758      .    .    .     1185916.2711 0 0 0    392 -2911 0 0 0
1769                                            0000                                                  .    .    .       8155  .      0 0 0 0    786   40 0 0 0 0
1770  5.15  7.64   5.28  23.67 4.65 5.25 4.75 19.340000  1.163.300 0.40113.140   764  425     .    .    .       7299 6.20 0 0 0 0    764   28 0 0 0 0
1771  5.43  8.96   5.89  22.34 5.10 5.20 5.20 21.200000  1.213.300 0.40713.204   728  426     .    .    .       9663 7.91 0 0 0 0    699   18 0 0 0 0
1772  5.62  9.44   6.27  22.17 5.30 5.70 5.40 21.450000  1.253.300 0.40213.760   255  390     .    .    .      11034 7.69 0 0 1 0    255   10 0 0 1 0
1773  6.49  9.85   6.79  23.11 5.51 5.70 5.61 22.280000  1.331.319 0.41214.318    83  391     .    .    .       9204 7.96 0 2 0 0    112   -1 0 2 0 0
1774  6.89 10.37   7.11  29.05 5.92 6.27 5.82 25.310000  1.477.322 0.52516.357   840  421     .    .    .       6387 8.96 0 0 0 0    840   42 0 0 0 0
1775  7.39 10.79   7.57  34.55 6.80 6.93 6.40 28.850000  1.612.362 0.56718.912  1515  415     .    .    .       6030 9.93 0 0 0 0   1515  114 0 0 0 0
1776  8.13 11.42   8.47  38.45 7.30 7.21 6.90 30.600000  1.705.403 0.58620.552  1846  422    447.0  5.6 0.853  798010.05 0 0 0 0   1708  121 0 0 0 0
1777  8.72 12.85   9.30  42.12 7.82 7.49 7.42 33.100000  1.815.443 0.61922.112  3271  429    455.4  5.8 0.949 1011910.98 0 0 0 0   1729   42 0 0 0 0
1778  9.39 13.38   9.96  46.90 8.49 8.97 8.09 36.140000  1.954.496 0.63224.239  4857  485    509.5  4.8 0.925  957311.90 0 0 0 0   1587   24 0 0 0 0
1779 10.08 14.21  10.93  51.50 9.3010.82 8.90 39.350000  2.174.555 0.85722.065  -324  490    515.8  5.0 0.936  743412.29 0 0 0 0    770   33 0 0 0 0
1780 10.95 14.72  12.59  56.7811.0113.1010.59 40.210000  2.468.610 1.20430.997 -2248  458      .    .    .       5023 9.2111 0 0 0    392 -2911 0 0 0
1869                                            0000                                                  .    .    .      14121  .      0 0 0 0    786   40 0 0 0 0
1870  6.34  7.28   6.34  19.66 4.67 1.60 4.67 15.130000  1.163.270 0.389 9.288   764  399     .    .    .      10794 5.85 0 0 0 0    764   28 0 0 0 0
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1872  7.60  8.54   7.51 22.70 5.00 1.55 5.00 16.850000   1.253.303 0.39910.223   255 367    .     .     .   18054 6.63 1 0 0 0   255  10 1 0 0 0
1873  8.19  9.14   7.76 25.37 5.09 1.55 5.09 17.100000   1.331.320 0.41810.963    83 390    .     .     .   12753 6.14 1 0 1 0   112  -1 1 0 1 0
1874  8.85  9.80   8.40 29.53 5.31 1.55 5.31 20.451000   1.477.373 0.52912.175   840 349    .     .     .    8052 8.27 7 0 0 0   840  42 0 0 0 0
1875  9.82 10.77   9.98 36.58 6.58 1.76 6.58 23.200000   1.612.436 0.55814.932  1515 369    .     .     .    7986 8.27 1 0 0 0  1515 114 1 0 0 0
1876 10.51 11.46  10.35 40.75 6.95 1.80 6.97 25.280000   1.705.440 0.58016.276  1846 388  417.2  7.0 0.930  11364 9.00 0 3 0 0  1708 121 0 3 0 0
1877 10.98 11.95  10.65 43.94 6.95 1.80 7.12 27.170000   1.815.440 0.61019.551  3271 381  394.0  3.3 0.917  16110 7.62 3 0 0 0  1729  42 3 0 0 0
1878 11.52 12.58  11.23 48.58 9.07 9.91 9.16 33.020000   1.954.536 0.61626.194  4857 435  447.5  2.8 0.864  14862 6.83 2 1 0 0  1587  24 2 1 0 0
1879 12.06 13.67  11.96 53.6410.2510.2510.45 37.720000   2.174.500 0.85029.399  -324 474  494.8  4.2 0.870  10926 8.32 4 0 0 0   770  33 4 0 0 0
1880 12.53 14.05  12.10 56.9113.6910.2513.70 38.220000   2.468.570 1.14332.154 -2248 406    .     .     .    6567 6.06 0 0 0 0   392 -29 0 0 0 0
1969   .     .      .     .    .    .    .     0000       .         .              .     .    .     .     .   21144  .   0 0 0 0   786  40 0 0 0 0
1970  6.22  8.00   7.02 25.69 2.77 3.23 2.87 17.940000   1.163.    0.39210.870   764 603    .     .     .   25629 7.07 0 0 0 1   764  28 0 0 0 1
1971  6.72  8.74   7.39 27.98 2.99 3.48 3.06 19.500000   1.213.    0.39111.771   728 578    .     .     .   38766 7.73 0 0 0 0   699  18 0 0 0 0
1972  7.42  9.55   7.56 28.00 2.99 3.60 3.20 19.500000   1.253.    0.38411.857   255 608    .     .     .   36477 7.65 0 0 0 0   255  10 0 0 0 0
1973  8.21 10.56   8.81 26.90 3.61 4.09 3.76 23.290000   1.331.    0.41812.469    83 637    .     .     .   2718310.82 0 0 0 0   112  -1 0 0 0 0
1974  8.60 11.16   9.86 32.15 4.70 5.20 4.85 24.190000   1.477.    0.55515.467   840 661    .     .     .   12009 8.72 0 0 0 0   840  42 0 0 0 0
1975 10.68 12.73  13.14 43.06 5.81 6.29 5.96 27.300000   1.612.    0.59919.960  1515 624    .     .     .   11250 7.34 0 0 0 2  1515 114 0 0 0 2
1976 11.58 13.87  13.56 44.30 6.15 6.55 6.30 29.000000   1.705.650 0.61920.789  1846 584  658.4 11.3 0.875  16899 8.21 0 0 0 0  1708 121 0 0 0 0
1977 11.58 13.95  14.14 51.63 6.92 7.08 7.00 30.000000   1.815.650 0.65723.804  3271 611  644.5  5.2 0.936  21891 6.19 0 0 0 0  1729  42 0 0 0 0
1978 13.33 16.08  14.26 62.42 7.01 7.27 7.17 35.000000   1.954.742 0.67526.781  4857 681  740.2  8.0 0.866  20577 8.22 0 0 0 0  1587  24 0 0 0 0
1979 13.90 17.94  14.57 67.32 7.34 7.59 7.47 43.760000   2.174.886 0.89928.517  -324 748  784.1  4.6 0.933  1797315.24 0 0 0 0   770  33 0 0 0 0
1980 15.49 20.41  15.13 70.24 7.46 7.78 7.61 50.140000   2.468.908 1.24329.469 -2248 743    .     .     .   1450920.67 1 0 0 0   392 -29 1 0 0 0
2069   .     .      .     .    .    .    .     0000       .         .              .     .    .     .     .   18208  .   0 0 0 0   786  40 0 0 0 0
2070  5.40  6.48   7.07 24.25 3.20 3.95 3.20 17.270000   1.163.360 0.38311.081   764 243    .     .     .    9918 6.18 0 0 0 1   764  28 0 0 0 1
2071  5.61  6.77   7.32 24.46 3.20 3.95 3.20 18.500000   1.213.380 0.39011.135   728 217    .     .     .    6459 7.36 0 0 0 0   699  18 0 0 0 0
2072  6.06  7.64   8.21 26.30 3.20 3.95 3.20 18.900000   1.253.390 0.39211.611   255 218    .     .     .    6417 7.29 0 0 0 0   255  10 0 0 0 0
2073  6.86  8.26   8.49 25.60 4.00 4.75 4.00 19.150000   1.331.447 0.41812.634    83 228    .     .     .    6984 6.51 0 0 0 0   112  -1 0 0 0 0
2074  7.68  9.05   9.30 31.60 4.29 5.04 4.29 23.840000   1.477.502 0.51914.623   840 227    .     .     .    7815 9.22 0 0 0 0   840  42 0 0 0 0
2075  8.94  9.96  10.87 39.76 5.25 5.86 5.25 28.080000   1.612.510 0.55918.080  1515 237    .     .     .   1178110.00 0 0 0 2  1515 114 0 0 0 2
2076  9.86 10.70  11.84 45.09 5.80 6.75 5.80 28.970000   1.705.595 0.58220.379  1846 257  282.7  9.1 0.853  16701 8.59 0 0 0 0  1708 121 0 0 0 0
2077 10.69 11.51  12.82 52.38 5.80 6.75 5.80 31.020000   1.815.725 0.62622.263  3271 312  334.8  6.8 0.916  24057 8.75 0 0 0 0  1729  42 0 0 0 0
2078 11.63 12.97  13.93 58.20 6.95 8.15 6.95 34.400000   1.954.780 0.65925.497  4857 386  409.8  5.8 0.951  26829 8.90 0 0 0 0  1587  24 0 0 0 0
2079 12.83 14.08  15.19 63.50 6.95 8.15 6.95 39.610000   2.174.852 0.87626.869  -324 448  472.1  5.1 1.000  2233212.74 0 0 0 0   770  33 0 0 0 0
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24 574  8.63 10.89  8.3534.00 ⌐  ⌐ 2.89 3.67 25.47   1.477.420 0.54313.590 1310 1145 1277   .   .   . 451211.88 0 0 0 00000 0 0 0 0  1309  83
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26 575  8.71 11.09  8.3537.00 3.50 3.00 3.67 27.40   1.612.460 0.56414.469 1310 1045 1243   .   .   . 590712.93 1 0 0 00000 1 0 0 0  1309  83
27 575  8.88 11.49  9.1537.00 3.50 3.00 3.67 28.40   1.612.460 0.61114.469 1720 1045 1245   .   .   . 588612.93 0 0 0 00000 0 0 0 0  1720 144
28 575  8.88 11.56  9.1537.00 3.50 3.00 3.67 28.40   1.612.460 0.60114.469 1720 1045 1036   .   .   . 762913.93 0 0 0 00000 0 0 0 0  1720 144
29 576  8.88 11.69  9.1537.00 2.25 2.65 2.25 26.90   1.705.460 0.58912.948 1720 1065  930 112.0 4.9 0.830 555613.95 0 0 0 00000 0 0 0 0  1720 144
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31 576  9.53 12.27  9.7539.00 2.25 2.65 2.25 25.90   1.705.460 0.61913.465 1720 1065 1258 112.0 4.9 1.123 1072512.43 0 0 0 00000 0 0 0 0  1720 144
32 576  9.63 12.27 10.0539.00 2.25 2.65 2.25 25.90   1.705.460 0.62213.465 2222 1065 1076 112.0 4.9 0.961 981612.43 0 3 0 00000 0 3 0 0  1671  51
33 577  9.63 12.27 10.0539.00 2.25 2.65 2.25 25.90   1.815.460 0.62513.465 2222 1092  941 113.3 3.6 0.830 630612.43 3 0 0 01000 0 0 0 0  1671  51
34 577 10.03 12.49 10.0539.00 2.25 2.65 2.25 25.90   1.815.460 0.64513.465 2222 1092 1102 113.3 3.6 0.973 1638012.43 0 0 0 00000 0 0 0 0  1671  51
35 577 10.23 12.94 10.0539.00 2.25 2.65 2.25 25.90   1.815.460 0.64813.465 2222 1092 1250 113.3 3.6 1.103 1442112.43 0 0 0 00000 0 0 0 0  1671  51
36 577 10.23 12.94 10.0540.50 2.75 3.22 2.42 27.97   1.815.508 0.64914.410 6419 1092 1187 113.3 3.6 1.048 1122013.56 0 0 0 00000 0 0 0 0  1904  13
37 578 10.23 12.94 10.0442.50 3.00 3.50 2.50 30.00   1.954.550 0.65815.205 6419 1168 1024 121.0 3.5 0.846 720914.79 0 0 0 00000 0 0 0 0  1904  13
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41 579 10.88 13.59 12.1556.00 3.25 3.50 2.50 40.00   2.174.660 0.74518.924  169 1205 1120 125.8 4.2 0.890 356121.08 2 0 0 01000 0 0 0 0   635  57
42 579 11.21 14.02 12.1556.67 3.25 3.33 2.50 42.00   2.174.660 0.86319.020  169 1205 1185 125.8 4.2 0.942 1014922.94 2 0 0 00000 2 0 0 0   635  57
43 579 11.88 14.89 12.9358.00 3.25 3.00 2.50 46.00   2.174.660 1.01819.212  169 1205 1198 125.8 4.2 0.952 793526.79 0 0 0 00000 0 0 0 0   635  57
44 579 11.88 14.89 12.9358.00 3.42 3.00 2.50 46.00   2.174.680 1.07419.212 -1804 1205 1175 125.8 4.2 0.934 526826.79 0 0 0 00000 0 0 0 0  1175 -38
45 580 11.88 14.89 12.9364.00 3.75 3.00 3.00 54.00   2.724.720 1.22321.056 -1804 1251 1062   .   .   . 201932.94 0 0 0 00000 0 0 0 0  1175 -38
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 5 670  5.62  7.45  4.8723.94 1.70 2.00 1.55 16.00   1.163.215 0.394 8.657  786  198  185   .   .   .  1188 7.34 0 0 0 00000 0 0 0 0   786  40
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10 671  6.95  8.78  5.0224.10 1.70 2.00 1.55 18.65   1.213.215 0.401 8.781  741  200  201   .   .   .  5262 9.87 0 0 0 00000 0 0 0 0   741  15
11 671  7.12  8.95  5.7724.42 1.70 2.00 1.55 18.85   1.213.215 0.413 8.781  714  200  214   .   .   . 382810.07 0 0 0 00000 0 0 0 0   657  20
12 671  7.12  8.95  6.1424.41 1.70 2.00 1.55 20.12   1.213.215 0.411 8.779  714  200  204   .   .   . 310511.34 0 0 0 00000 0 0 0 0   657  20
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21 674  8.22 10.05  6.5928.57 1.90 2.20 1.69 20.70   1.477.229 0.49510.119  369  243  214   .   .   . 141610.58 0 0 0 00000 0 0 0 0   370   0
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25 675  8.97 10.80  6.8737.00 2.20 2.55 1.95 27.25   1.612.265 0.52912.727 1310  222  217   .   .   .  89714.52 0 0 0 00000 0 0 0 0  1309  83
26 675  9.24 11.07  6.8737.00 2.20 2.55 1.95 27.38   1.612.265 0.55412.727 1310  222  241   .   .   . 184214.66 0 1 0 00000 0 1 0 0  1309  83
27 675  9.77 11.60  6.8737.00 2.22 2.58 1.95 27.65   1.612.279 0.59712.742 1720  222  229   .   .   . 198614.91 0 0 0 00000 0 0 0 0  1720 144
28 675  9.77 11.60  7.6237.00 2.25 2.65 1.95 27.65   1.612.308 0.58512.773 1720  222  217   .   .   . 119414.88 1 1 0 00000 1 1 0 0  1720 144
29 676  9.77 11.69  9.1137.00 2.38 2.82 2.08 27.65   1.705.308 0.56812.973 1720  225  194 236.8 5.0 0.817 146714.68 0 0 0 00000 0 0 0 0  1720 144
30 676  9.77 11.76  9.1140.58 2.45 2.90 2.15 27.65   1.705.308 0.56513.999 1720  225  220 236.8 5.0 0.929 216913.65 0 0 0 00000 0 0 0 0  1720 144
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Data dump of Block & Hold Annual file (DA9040.P3)

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