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**ATTACHMENT B**

**AT&T Florida**
**AT&T Florida's Pole Inspection Report January 2010 through December 2010**

**03/01/11**

**REQUEST FOR SPECIFIED CONFIDENTIAL CLASSIFICATION OF AT&T FLORIDA'S POLE INSPECTION REPORT JANUARY 2010 THROUGH DECEMBER 2010**

**TWO REDACTED COPIES FOR PUBLIC DISCLOSURE**

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Annual Pole Inspection Report of BellSouth Telecommunications, Inc d/b/a
AT&T Florida
January 2010 – December 2010

BellSouth Telecommunications, Inc. d/b/a AT&T Florida ("AT&T Florida"), pursuant to Order NO. PSC-06-0168-PAA-TL, Docket NO. 060077-TL (March 1, 2006) ("Pole Inspection Order") and Order NO. PSC-07-0918-PAA-PU, Docket NO. 070634-EI and Docket NO. 070635-TL (November 14, 2007) ("Revision to the Pole Inspection Order"), submits the following information regarding its pole inspection process for the reporting period of January, 2010 – December, 2010. The Annual Wood Pole Inspection Report spreadsheet required by the Revision to the Pole Inspection Order is included as Attachment 1 to this report.

This report also reflects the Revisions to the Annual Reporting Requirements pursuant to Order NO. PSC-07-0918-PAA-PU, Docket NO. 070635-TL, Docket NO. 070634-EI, Issued November 14, 2007

1) **A review of the methods the company used to determine NESC compliance for strength and structural integrity of the wood poles included in the previous year's annual inspections, taking into account pole loadings where required.**

AT&T Florida partnered with Florida Power & Light, Florida Keys Electric Cooperative, Orlando Utility (OUC), City of New Smyrna Beach and Gulf Power Company to perform inspections in 2010. In connection with this process, AT&T Florida contracted with OSMOSE to inspect AT&T Florida's wood poles. OSMOSE forwarded inspection data to AT&T Florida at regular intervals and AT&T Florida performed quality control checks to validate the inspection data.

Using National Electric Safety Code ("NESC") Grade C Construction Standards as the guideline to determine NESC compliance for strength and structural integrity, and taking into account pole loadings where required, AT&T Florida used the following inspection process for its wood poles:

- **Visual Inspection**

  If OSMOSE found an obvious defect that justified pole replacement, no additional inspection was performed. OSMOSE designated the pole as "Non-restorable" and identified it to AT&T Florida Engineering and Construction as a pole to be replaced.

When replacing a pole, AT&T Florida notifies the power company and third party attachers that they need to transfer their facilities to the new pole. Once all facilities are removed or transferred, AT&T Florida removes the old pole.

➢ **Sound and Bore**

If an initial visual inspection is made of the pole and no apparent defect is recognized, a sound and bore of the pole is completed to determine the soundness of the interior and exterior of the pole

➢ **Ground Line Excavation**

Ground line excavation is performed on each pole, other than those poles where the base may be surrounded by concrete and/or asphalt, or other factors that would make excavation hazardous. These factors would include the presence buried power facilities, as an example.

➢ **Load Calculation**

Using a software application (OCALC) developed by OSMOSE and used throughout the industry to analyze pole loading data, OSMOSE performed a load calculation on each pole inspected. The load calculation is based on NESC Grade C Construction standards. It identifies potential loading defects based on remaining pole strength and the profile of all attachments, whether owned by AT&T Florida, a power company or a third party.

OSMOSE also considered other factors to determine the strength and structural integrity of the poles, including:

- Year Pole Manufactured
- Height and Class of Pole
- Species or Material of Pole
- Original Ground line Circumference
- Current Effective Ground line Circumference
- Category of Decay Type, if Present
- Measurements of Decay Width and Depth

**2) An explanation of the inspected poles selection criteria, including, among other things, geographic location and the rationale for including each such selection criterion**

AT&T Florida met with multiple power companies to determine which areas would be inspected. The key factors used to define the geographical areas for inspection were coastal exposure, population density, and critical infrastructure customers, such as hospitals, 911 centers, etc.

In 2010, AT&T Florida performed pole inspections in South Florida, Central Florida, Northeast Florida and the Florida Panhandle.

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3) **Summary data and results of the company's previous year's wood pole inspections, addressing the strength, structural integrity, and loading requirements of the NESC;**

See AT&T Florida's completed Attachment B hereto which includes the reporting categories outlined in Attachment B to the Pole Inspection Order, together with the new reporting categories required by the Revision to the Pole Inspection Order.

4) **The cause(s) of each pole failure for poles failing inspection, to the extent that such cause(s) can be discerned in the inspection. Also, the specific actions the company has taken or will take to correct each pole failure.**

The requirement for annual reporting of this item was eliminated by the Revision to the Pole Inspection Order.

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ORDER NO. PSC-07-0918-PAA-PU
DOCKET NOS. 070634-EI, 070635-TL

ATTACHMENT 1

## AT&T Florida
## Annual Wood Pole Inspection Report
## Reporting Year 2010

| | a | b | c | d | e | f | g | h | i | j | k | l | m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Total # of Wooden Poles in the Company Inventory | # of Pole Inspections Planned this Annual Inspection | # of Poles Inspected this Annual Inspection | # of Poles Failing Inspection this Annual Inspection | Pole Failure Rate (%) this Annual Inspection | # of Poles designated for Replacement this Annual Inspection | Total # of Poles Replaced this Annual Inspection | # of Poles Requiring Minor Follow-up this Annual Inspection | # of Poles Overloaded this Annual Inspection | Method(s) V=Visual E=Excavation P=Prod S=Sound B=Bore R=Resistograph | # of Poles Inspections Planned for Next Annual Inspection Cycle | Total # of Poles Inspected (Cumulative) in the 8-year Cycle To Date | % of Poles Inspected (Cumulative) in the 8-Year Cycle To Date |
| 2 | 467,855 | 57,646 | 35,976 | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | [redacted] | V,E,P,S,B | 58,444 | 254,475 | 55.2% |

If b-c >0, provide explanation — No explanation required

*If d-g >0, provide explanation* — Poles identified for replacement are engineered, constructed, submitted for transfer by third parties and then for removal of old pole.
The difference between d and g represent those poles in the 'pipeline' of poles identified during the 2010 Annual Inspection

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**ATTACHMENT B**

**Pole Inspection Report**

**Company: AT&T Florida**

Summary of Pole Inspections

Period: January 2010– December 2010

**Type of Inspection:**

See response (1) in AT&T Florida's Annual Pole Inspection Report

**Type of Pole: Class____ Material____ Vintage____ Installed Population____**

See Attachment B-1 to this Attachment B.

**Total Number of Wooden Poles in the Company Inventory**

467,855

**Number of Inspections Planned this Annual Inspection**

57,646

The most efficient and effective pole inspection process is to perform inspections within a defined geography in conjunction with a power company performing wood pole inspections, as well. Within any defined geography, be it power company substation boundaries or AT&T Florida wire center boundaries, the mix of ownership of poles will vary. The "Planned" number of AT&T Florida inspections represents a twelve month average forecast of inspections, based on AT&T Florida's total pole population within the state of Florida and the requirement that all poles be inspected over an 8 year cycle.

**Number of Pole Inspections Completed this Annual Inspection**

35,976

The difference between the "Planned" and "Completed" figures does not represent a backlog of inspections or an acceleration of inspections. It is more indicative of the areas selected for inspection during this period and the ownership ratios between AT&T Florida and power companies within the selected geographies. Future inspection periods may therefore result in more completions than the average forecast of planned inspections or in some cases less. AT&T Florida is committed to completing an inspection of all its poles over an 8 year period.

**Number of Inspected Poles Addressing a Prior Backlog – 0**

None

See explanation above for Number of Inspections Planned and Completed

**Number of Poles Failing Inspection**

Of the 35,976 poles inspected, AT&T Florida identified [redacted] that warrant replacement as a result of the 2010 pole inspections. The company identified an additional [redacted] poles that did not fail inspection, but that, based on an analysis of factors such as the existence and extent of any defects, the feasibility of remediation, and the scope of the associated transfer work, AT&T Florida intends to replace in the next 18 months.

**Pole Failure Rate (%) this Annual Inspection**

[redacted]

This rate is based on the fact that 35,976 poles were inspected and [redacted] were found as warranting replacement.

**Number of Poles Designated for Replacement this Annual Inspection**

As previously indicated, [redacted] poles have been designated for replacement as a result of the 2010 pole inspections. AT&T Florida has also decided to replace an additional [redacted] poles within an 18-month time frame even though such poles did not fail inspection.

**Total Number of Poles Replaced this Annual Inspection and the Plan for Replacement of the Remaining Poles**

In connection with the [redacted] poles designated for replacement as a result of the 2010 pole inspections, AT&T Florida has placed [redacted] new poles to date, and plans *to place the remaining poles within 9 months from receipt of* Osmose's final inspection results. If Osmose discovers a pole that presents an imminent safety

threat, Osmose notifies AT&T Florida and AT&T Florida replaces such poles on an expedited basis.

In connection with the [redacted] poles AT&T Florida has chosen to replace within 18 months, AT&T Florida has placed [redacted] new poles to date, and plans to place the remaining poles within 18 months from receipt of Osmose's final inspection results.

**Number of Poles Requiring Minor Follow-Up**

[redacted]

"Minor follow-up" is defined by a need to make a subsequent visit to a pole for some type of remediation work. Remediation work would include activities such as straightening a pole that may be leaning or installing a "truss" to brace a pole to correct a minor defect.

**Number of Poles Requiring a Change in Inspection Cycle**

[redacted]

Due to AT&T Florida's aggressive pole replacement criteria and remediation of poles identified as needing minor follow-up, [redacted] AT&T Florida owned poles were identified or are anticipated to require a change in inspection cycle.

**Number of Poles that Required No Change in Inspection Cycle or Remediation**

[redacted] - Total number of poles inspected less (the number of poles AT&T Florida plans to replace + the number of poles that require minor follow-up)

**Number of Poles that Were Overloaded**

[redacted]

See Response (1) in AT&T Florida's Annual Inspection Report for a more detailed description of the loading calculation process.

**Number of Poles with an Estimated Remaining Pole Life of Less Than 8 Years**

[redacted]

Due to AT&T Florida's aggressive pole replacement criteria and remediation of poles identified as needing minor follow-up, [redacted] AT&T owned poles in the inspection area will have a remaining pole life of less than 8 years.

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**Method(s) V=Visual, E=Excavation, P=Prod, S= Sound, B= Bore, R= Restiograph**

AT&T Florida uses the Visual, Excavation, Prod, Sound and Bore inspection techniques.

**Number of Pole Inspections Planned for Next Annual Inspection**

58,444

The most efficient and effective pole inspection process is to perform inspections within a defined geography in conjunction with a power company performing wood pole inspections, as well. Within any defined geography, be it power company substation boundaries or AT&T Florida wire center boundaries, the mix of ownership of poles will vary. The "Planned" number of AT&T Florida inspections represents a twelve month average forecast of inspections, based on AT&T Florida's total pole population within the state of Florida and the requirement that all poles be inspected over an 8 year cycle.

**Total Number of Poles Inspected (Cumulative) in the 8 Year Cycle to Date**

254,475

**Percentage of Poles Inspected (Cumulative) in the 8 Year Cycle to Date**

55.2%

**Status of Pole Replacement from 2009 Pole Inspection**

In its 2009 pole inspection report, AT&T Florida indicated that [redacted] poles warranted replacement as a result of the 2009 pole inspections. Of these [redacted] poles warranting replacement, AT&T Florida has placed [redacted] new poles, and has removed [redacted] of the old poles. AT&T Florida will continue to remove the remaining old poles upon completion of outstanding transfer work by the attaching entities.

In its 2009 pole inspection report, AT&T Florida designated an additional [redacted] poles for replacement within 18 months. Of the remaining [redacted] poles designated for replacement within 18 months, [redacted] new poles have been placed and [redacted] of the old poles have been removed to date.

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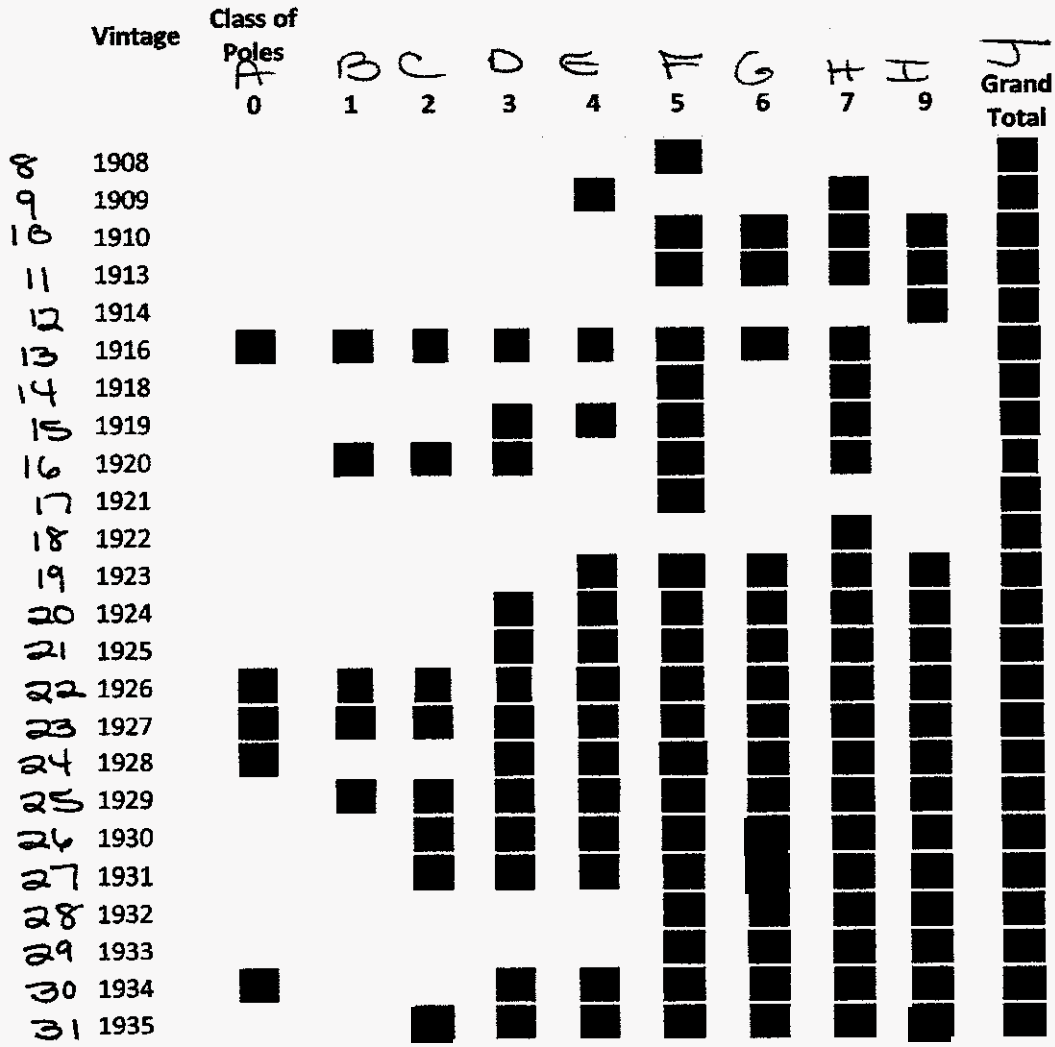
**Attachment B-1**

**Type of Pole: Class__ Material__ Vintage__ Installed Population___**

The following table represents the Installed Population of AT&T Florida owned poles, by Class and Vintage.

- AT&T Florida does not keep records as to the type, or material of poles owned by AT&T Florida. AT&T Florida is not aware of any pole within the Installed Population that is anything other than Southern Pine. No result of any inspection during this period identified any pole material other than Southern Pine.

- This data is derived from an extract from AT&T Florida Property Records.



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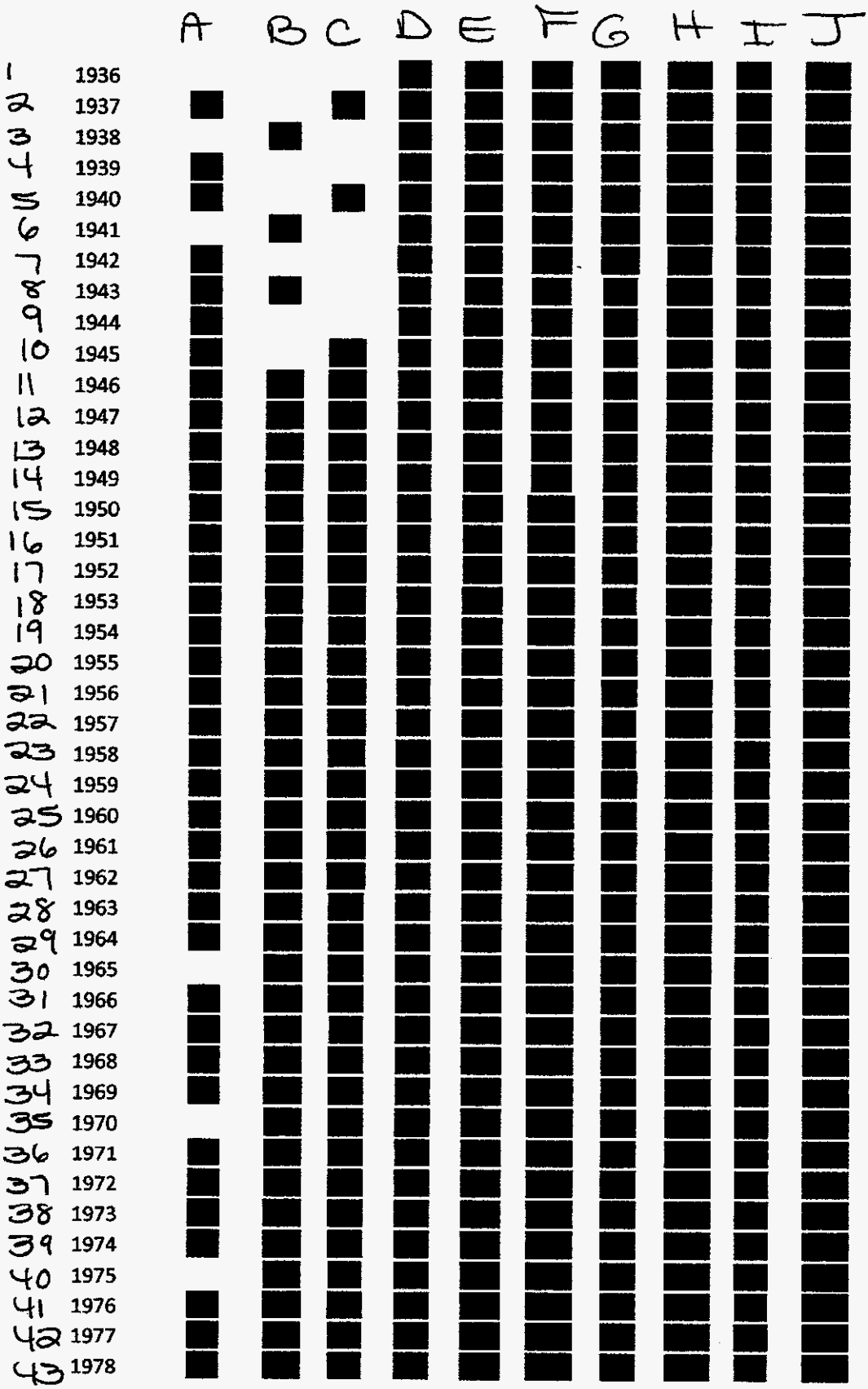
A B C D E F G H I J
1 1936
2 1937
3 1938
4 1939
5 1940
6 1941
7 1942
8 1943
9 1944
10 1945
11 1946
12 1947
13 1948
14 1949
15 1950
16 1951
17 1952
18 1953
19 1954
20 1955
21 1956
22 1957
23 1958
24 1959
25 1960
26 1961
27 1962
28 1963
29 1964
30 1965
31 1966
32 1967
33 1968
34 1969
35 1970
36 1971
37 1972
38 1973
39 1974
40 1975
41 1976
42 1977
43 1978

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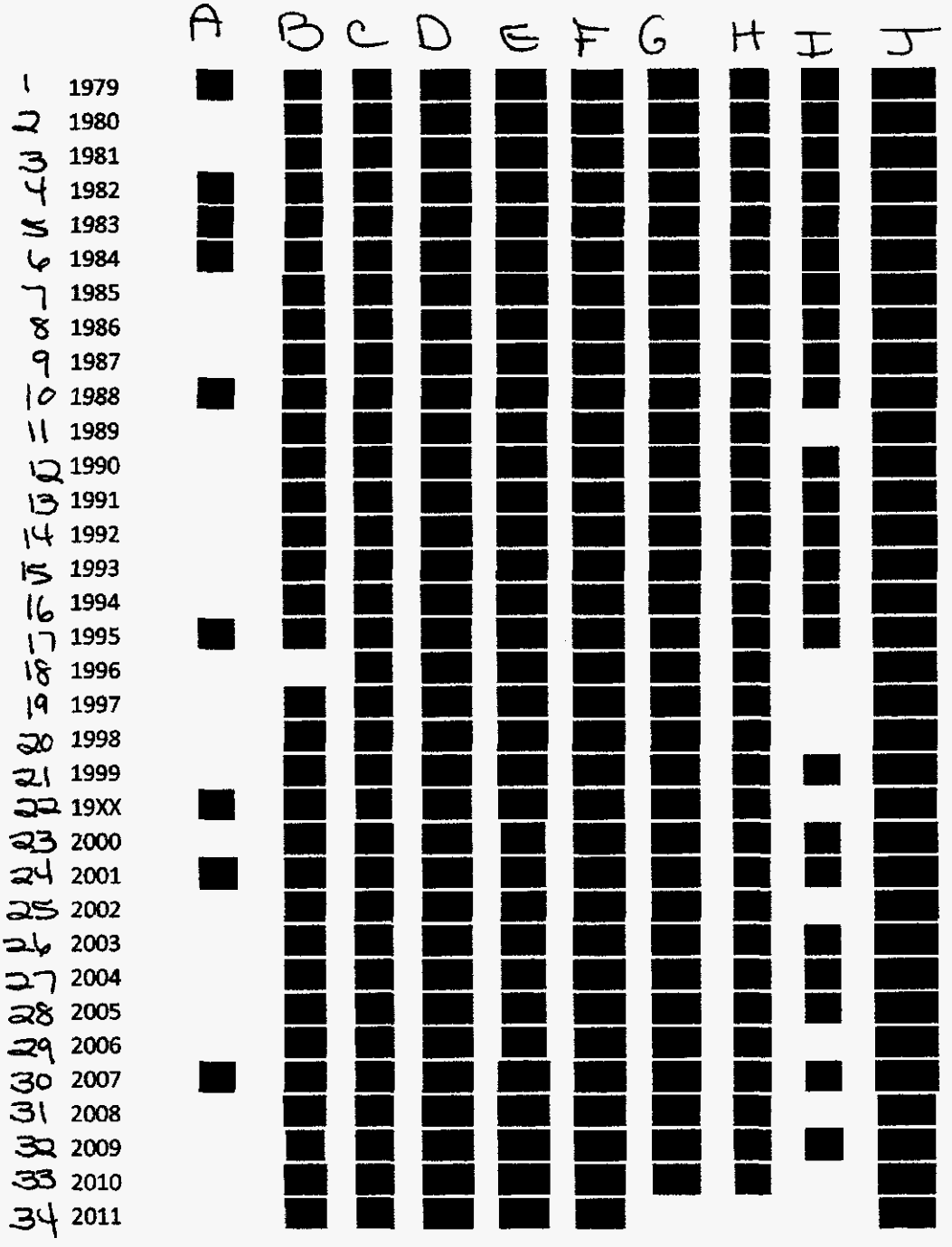
A B C D E F G H I J
1 1979
2 1980
3 1981
4 1982
5 1983
6 1984
7 1985
8 1986
9 1987
10 1988
11 1989
12 1990
13 1991
14 1992
15 1993
16 1994
17 1995
18 1996
19 1997
20 1998
21 1999
22 19XX
23 2000
24 2001
25 2002
26 2003
27 2004
28 2005
29 2006
30 2007
31 2008
32 2009
33 2010
34 2011

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**Type of Pole: Class__ Material__ Vintage__ Installed Population___**

- The following table represents the percentage of the Installed Population of AT&T Florida owned poles, based on vintage.

- AT&T Florida does not keep records as to the type, or material of AT&T Florida owned poles. AT&T Florida is not aware of any pole in within the Installed Population that is anything other than Southern Pine. No result of any inspection during this period identified any pole material other than Southern Pine.

This data is derived from an extract from AT&T Florida Property Records.

| Vintage | Class of Poles A 0 | B 1 | C 2 | D 3 | E 4 | F 5 | G 6 | H 7 | I 9 | J Grand Total |
|---|---|---|---|---|---|---|---|---|---|---|
| 1908 | [redacted] | | | | | | | | | |
| 1909 | | | | | | | | | | |
| 1910 | | | | | | | | | | |
| 1913 | | | | | | | | | | |
| 1914 | | | | | | | | | | |
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| 1932 | | | | | | | | | | |
| 1933 | | | | | | | | | | |
| 1934 | | | | | | | | | | |

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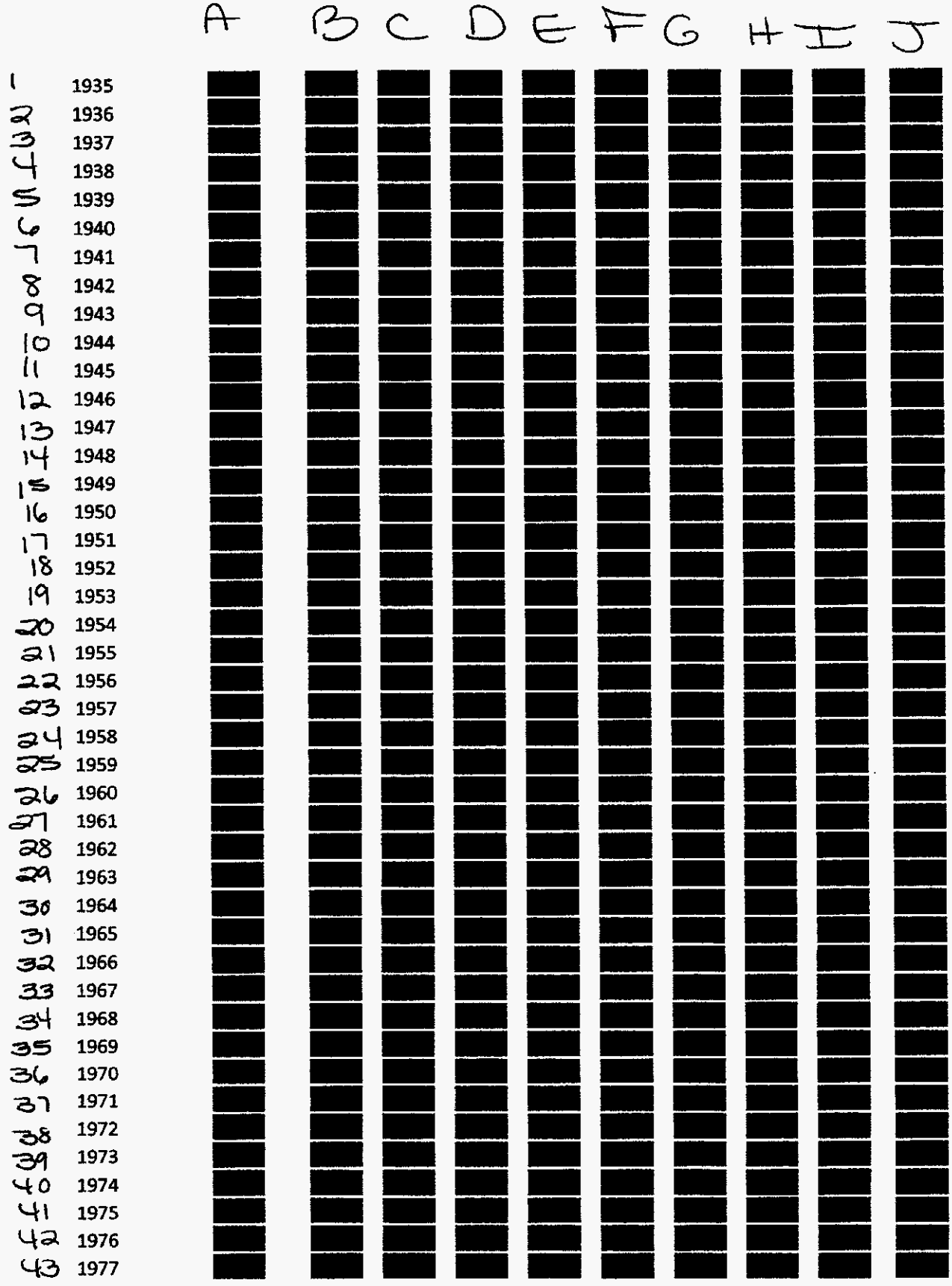
A B C D E F G H I J
1 1935
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13 1947
14 1948
15 1949
16 1950
17 1951
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19 1953
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21 1955
22 1956
23 1957
24 1958
25 1959
26 1960
27 1961
28 1962
29 1963
30 1964
31 1965
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34 1968
35 1969
36 1970
37 1971
38 1972
39 1973
40 1974
41 1975
42 1976
43 1977

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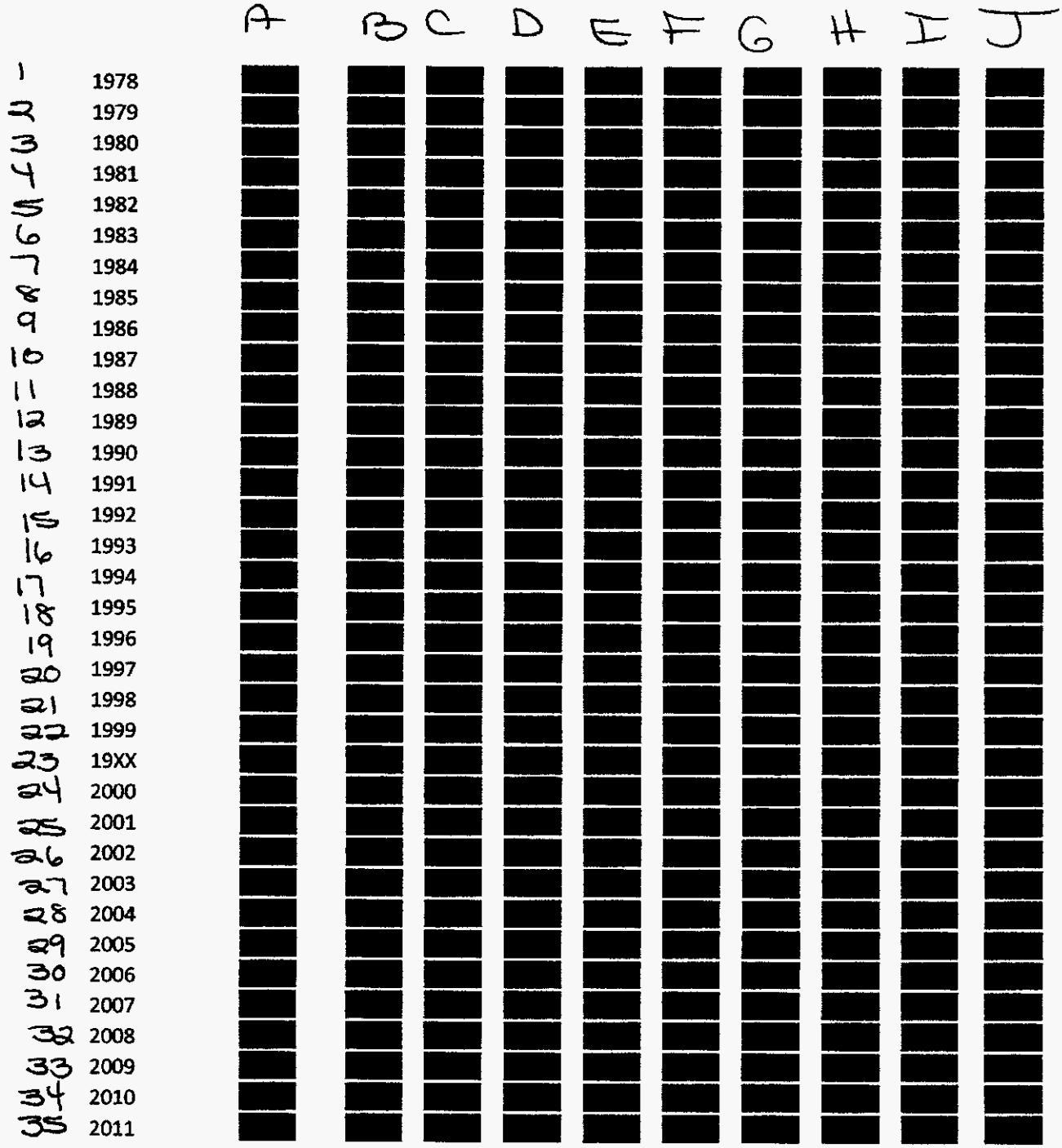


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