

930621080

VIII, 9 P0176

COWLITZ COUNTY TITLE

HIGHWAY EASEMENT DEED

Cowlitz County Auditor

116566

BOOK 136 PAGE 194

JUN 21 11 38 AM '93

THIS DEED, made this 9th day of March, 1993, by

and between the UNITED STATES OF AMERICA, acting by and through the  
DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION,

hereinafter referred to as the DEPARTMENT, and the STATE OF  
WASHINGTON, hereinafter referred to as the STATE:

FILED FOR RECORD  
SKAMANIA CO. WASH  
BY SKAMANIA CO. TITLE

WITNESSETH:

JUN 25 11 49 AM '93

*P. Lavy*

GARY M. OLSON

WHEREAS, the STATE has filed application under the provisions of  
the Act of Congress of August 27, 1958, as amended (23 U.S.C. Section  
317), for the right-of-way of a highway over certain land owned by the  
United States in the State of Washington, which is under the  
jurisdiction of the Department of Agriculture - Forest Service; and

WHEREAS, this transfer is further authorized under the provisions  
of the Act of Congress approved October 15, 1966 (80 Stat. 931, 937,  
Section 6(a)(1)(A)); and

WHEREAS, the Federal Highway Administrator, pursuant to  
delegations of authority from the Secretary of Transportation, has  
determined that an easement over the land covered by the application  
is reasonably necessary for right-of-way for State Route 504,  
Coldwater Lake Vicinity to Johnston Ridge; and

WHEREAS, the Department of Agriculture, acting by and through the  
Forest Service, has agreed to the transfer by the DEPARTMENT of an

Registered ☒  
Indexed, Cir ☒  
Indirect ☒  
Filmed ☒  
Mailed ☒

-1-

EXEMPT

PARCEL 4-06127

105  
104  
103  
102  
101  
9-5-6

JW  
41

930621080

V1149 P0177

BOOK 136 PAGE 195

easement over the land to the STATE;

NOW THEREFORE, the DEPARTMENT, as authorized by law, does hereby grant to the STATE an easement for a right-of-way for the operation and maintenance of a highway including control of access thereto from adjoining lands, and use of the space above and below the established grade line of the highway pavement for highway purposes on, over, across, in, and upon the following described land of the United States of America within the Gifford Pinchot National Forest, Counties of Cowlitz and Skamania, State of Washington;

T. 9 N., R. 4 E., W. M.

Sec. 1, S $\frac{1}{2}$ S $\frac{1}{2}$

Sec. 2, S $\frac{1}{2}$ SE $\frac{1}{4}$

Sec. 12, NW $\frac{1}{4}$ NW $\frac{1}{4}$

T. 9 N., R. 5 E., W. M.

Sec. 5, S $\frac{1}{2}$

Sec. 6, S $\frac{1}{2}$

Sec. 7, NE $\frac{1}{4}$

Sec. 8, N $\frac{1}{2}$

Sec. 9, NW $\frac{1}{4}$ NW $\frac{1}{4}$

being those portions of the above described land lying within the right of way limits of State Rout 504, Coldwater Lake Vicinity to Johnston Ridge, sheets 1 to 25, as shown on Exhibit A, attached hereto and made a part hereof, subject, however, to the following terms, conditions and covenants:

1. Outstanding valid claims, if any, existing on the date of this grant, and the STATE shall obtain such permission as

may be necessary on account of any such claims.

2. The STATE and the Regional Forester shall make determination as to the necessity for archaeological and paleontological reconnaissance and salvage within the right-of-way, and such reconnaissance and salvage to the extent determined necessary because of maintenance of the highway facility is to be undertaken by the STATE in compliance with the Act entitled "An Act for the Preservation of American Antiquities", approved June 8, 1906 (34 Stat. 225, 16 U.S.C. 432-433), and State laws where applicable.
3. Unless the STATE and Regional Forester stipulate as to a shorter time, the easement herein granted shall terminate ten (10) years from the date of the execution of this deed by the United States of America in the event construction of a highway on the right-of-way is not started during such 10 year period.
4. The easement herein granted is limited to use of the described right-of-way and the space above and below the established grade line of the highway pavement for the purpose of construction/reconstruction, operation and maintenance of a highway and does not include the grant of any rights for nonhighway purposes or facilities: Provided, That the right of the Forest Service to use or authorize the use of any portion of the right-of-way for nonhighway purposes shall not be exercised when such use would be inconsistent with the provisions of Title 23 of the United

State Code of the Federal Highway Administration Regulations issued pursuant thereto or would interfere with the free flow of traffic or impair the full use and safety of the highway, and in any case the STATE and the DEPARTMENT shall be consulted prior to the exercise of such rights; and Provided further, That nothing herein shall preclude the Forest Service from locating National Forest and other Department of Agriculture information signs on the portions of the right-of-way outside of construction/reconstruction clearing limits.

5. The design and construction/reconstruction of the highway project situated on this right-of-way will be in accord with the provisions of Title 23, United State Code-Highways, and amendments; the Regulations for the Administration of Federal-aid for Highways, effective May 11, 1960, and amendments and established procedures for Federal-aid projects, including the requirements of Title 23, Code of Federal Regulations, Part 771, and the construction specifications of the State Highway Department as approved by the Federal Highway Administration for use on Federal-aid projects.

The Regional Forester will be provided an opportunity to review plans relative to effects, if any, that the project works as planned will have upon adequate protection and utilization of the land traversed by the right-of-way and adjoining land under the administration of the Forest

BOOK 36 PAGE 198

Service for the purposes for which such land is being administered. Those features of design, construction/reconstruction and maintenance of the highway facility and of use of the right-of-way that would have effect on the protection and utilization of the land under the administration of the Forest Service are to be mutually agreed upon by the Regional Forester and the STATE by a conference or other communication during the preparation of the plans and specifications for each construction/reconstruction project, and the plans shall be revised, modified, or supplemented to meet the approval of the Regional Forester, or when deemed appropriate, supplemented by written stipulation between the Regional Forester and the STATE, prior to start of construction/reconstruction.

The final design and the construction specifications for any highway construction project on the right-of-way will be presented to the Regional Forester for his approval and construction/reconstruction shall not begin until such approval is given: Provided, That if it is subsequently deemed necessary that the approved plans, specifications, or stipulation be amended or supplemented, any amendment or supplement shall be approved by the Regional Forester and the STATE before being placed in effect.

6. Consistent with highway safety standards, the STATE shall:
  - a. Protect and preserve soil and vegetative cover and

scenic and esthetic values on the right-of-way outside of construction/reconstruction limits.

- b. Provide for the prevention and control of soil erosion within the right-of-way and adjacent lands that might be affected by the construction/reconstruction, operation, or maintenance of the highway, and shall vegetate and keep vegetated with suitable species all earth cut or fill slopes feasible for revegetation or other areas on which ground cover is destroyed where it is deemed necessary during a joint review between the Regional Forester and the STATE and the STATE shall maintain all terracing, water bars, leadoff ditches, or other preventive works that may be required to accomplish this objective. This provision shall also apply to slopes that are reshaped following slides which occur during or after construction/reconstruction.
7. The STATE shall establish no borrow, sand, or gravel pits, stone quarries, permanent storage areas, sites for highway operation and maintenance facilities, camps, supply depots, or disposal areas within the right-of-way, unless shown on approved construction/reconstruction plans, without first obtaining approval of the Regional Forester.
8. The STATE shall maintain the right-of-way clearing by means of chemicals only after specific written approval has been given by the Regional Forester. Application for such approval must be in writing and specify the time, method,

chemicals, and the exact portion of the right-of-way to be chemically treated.

9. The STATE, in consideration of the grant of this easement, does hereby covenant and agree as a covenant running with the land for itself, its successors and assigns that:

a. No person shall, on the grounds of race, color, sex, age, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination with regard to any facility located wholly or in part on, over or under such lands hereby conveyed;

b. The STATE Shall use said easement right-of-way so conveyed, in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination, in federally assisted programs of the Department of Transportation, effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

10. When need for the easement herein granted shall no longer exist, the STATE shall give notice of that fact to the Secretary of Transportation and the rights herein granted shall terminate and the land shall immediately revert to the full control of the Department of Agriculture.

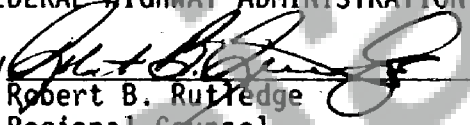
930621080

VIII 9 P0183

BOOK 136 PAGE 201

IN WITNESS WHEREOF, I, Robert B. Rutledge, Regional Counsel, pursuant to delegations of authority from the Secretary of Transportation, the Federal Highway Administrator, the Regional Federal Highway Administrator, and Chief Counsel, Federal Highway Administration, by virtue of authority in me vested by law, have hereunto subscribed my name as of the day and year first above written.

UNITED STATES OF AMERICA  
DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

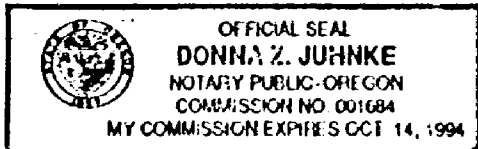
By   
Robert B. Rutledge  
Regional Counsel

STATE OF OREGON }  
COUNTY OF MULTNOMAH } ss:

BOOK 136 PAGE 202

I, Donna Z. Juhnke, Notary Public in and for the State of Oregon, do hereby certify that on the day of March 9, 1993, before me personally appeared Robert B. Rutledge, Regional Counsel, Federal Highway Administration, and acknowledged that the foregoing instrument bearing date of March 9, 1993, was executed by him, in his official capacity and by authority in him vested by law, for the purposes and intents in said instrument described and set forth, and acknowledged the same to be his free act and deed as Regional Counsel, Federal Highway Administration.

Witness my hand and seal this 9<sup>th</sup> day of March, 1993.



Donna Z. Juhnke  
Notary Public

My commission expires October 14, 1994.

In compliance with the conditions set forth in the foregoing deed, STATE certifies, and by the acceptance of this deed, accepts the right-of-way over certain land herein described and agrees for itself, its successors and assigns forever to abide by the conditions set forth in said deed.

By Joachim Pertinger  
Director, Real Estate Services

930621080

V11149 P0185

STATE OF WASHINGTON }  
COUNTY OF THURSTON }

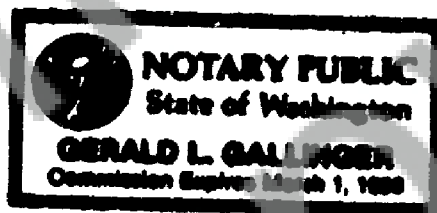
BOOK 136 PAGE 203

I, GERALD L. GALLINGER, A Notary Public in and for said County and State, hereby certify that Joachim Pestinger, whose name as Director, Real Estate Services is signed to the foregoing conveyance and who is known to me, acknowledged before me on this day that, being informed of the contents of the conveyance, he in his capacity as Director, Real Estate Services executed the same voluntarily on this day.

Given under my hand and seal of office this 15<sup>th</sup> day of June, 1993

Gerald L. Gallinger  
Notary Public - State of Washington  
Residing at Olympia

My commission expires March 1, 1995

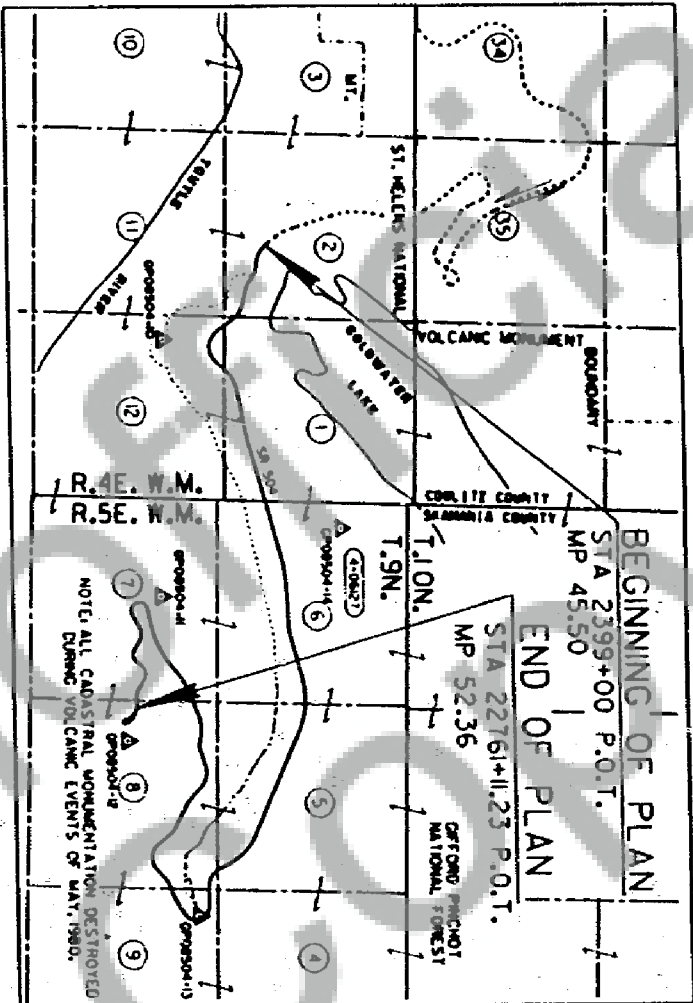


V1149 P0186

| SURVEY CONTROL DATA - NAD 27 ORIGINAL COORDINATES |           |            |           |              |
|---------------------------------------------------|-----------|------------|-----------|--------------|
| CONTROL POINT                                     | ELEVATION | N          | E         | SCALE FACTOR |
| CP0000-0                                          | 2534.17   | 390034.790 | 65345.790 | 99999878     |
| CP0000-1                                          | 2532.24   | 390000.790 | 662722.04 | 99999878     |
| CP0000-2                                          | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-3                                          | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-4                                          | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-5                                          | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-6                                          | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-7                                          | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-8                                          | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-9                                          | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-10                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-11                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-12                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-13                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-14                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-15                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-16                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-17                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-18                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-19                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |
| CP0000-20                                         | 2534.17   | 390000.790 | 662722.04 | 99999878     |

ALL CONTROL POINTS ARE MASS CARS SET IN CONCRETE.

EXHIBIT 'A'



VICINITY MAP AND PARCEL DETAIL

TOTAL LENGTH OF PROJECT = 6.86 MILES

REVIEWED: *David L. Lusk* 11-16-82

Forest Land Surveyor

GIFFORD PINCHOT NATION FOREST  
M.S.H.N.Y.M.

SR 504 MP 45.50 TO MP 52.36  
COLADWATER LAKE VICINITY  
TO  
JOHNSTON ROCK  
COBLITZ AND SHARONIA COUNTIES

VICINITY MAP AND PARCEL DETAIL

STATE OF NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
BUREAU OF LAND SURVEY

RECORD



APPROVED FOR THE STATE OF NEW YORK  
11-16-82

| NO. | DATE     | BY       |
|-----|----------|----------|
| 1   | 11-16-82 | 11-16-82 |

"EXHIBIT A"

VIII,9 P0187

BOOK 136 PAGE 205

BEGINNING OF PLAN  
STA. 2399+00 P.O.T.  
MP 45.50

T.9N. R.4E. W.M.  
GIFFORD PINCHOT  
NATIONAL FOREST

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

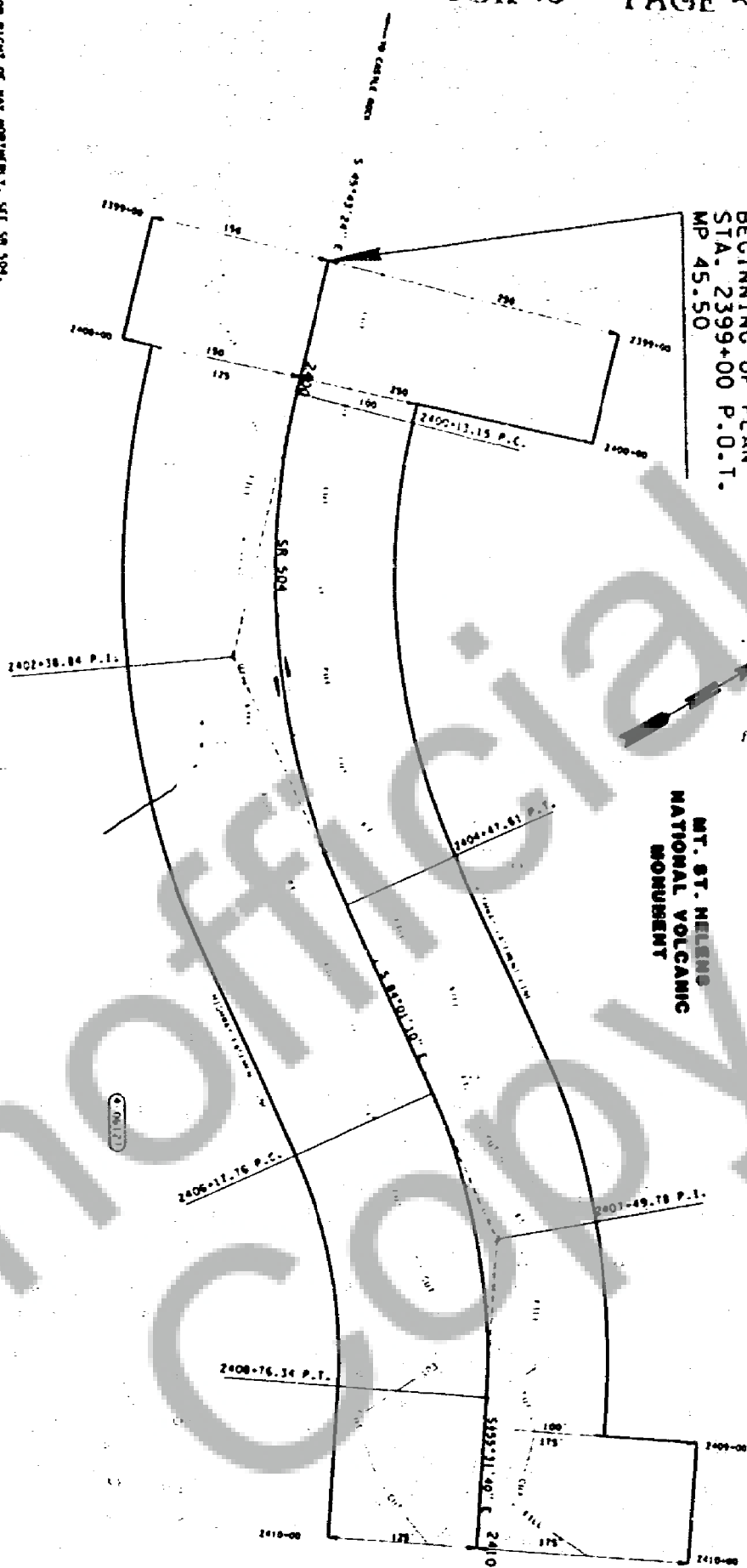


EXHIBIT "A"

FOR RIGHT OF WAY MONUMENT, SEE SR 504,  
VOLCANIC MONUMENT MONUMENT TO COLDWATER  
LANE VICINITY, SHEET 2 OF 2, APPROVED JUNE 1, 1991.  
BASIS OF RECORDING:  
WASHINGTON STATE COORDINATE SYSTEM - SOUTH ZONE.

| DATE    | BY       | REVISION |
|---------|----------|----------|
| 10/1/91 | J. L. L. | 1.0      |
| 10/1/91 | J. L. L. | 2.0      |
| 10/1/91 | J. L. L. | 3.0      |
| 10/1/91 | J. L. L. | 4.0      |
| 10/1/91 | J. L. L. | 5.0      |
| 10/1/91 | J. L. L. | 6.0      |
| 10/1/91 | J. L. L. | 7.0      |
| 10/1/91 | J. L. L. | 8.0      |
| 10/1/91 | J. L. L. | 9.0      |
| 10/1/91 | J. L. L. | 10.0     |

OWNERSHIPS

LECLIN

0.05127

PROPERTY AND ESTATE  
MONUMENT (1991)

STATION 2410+00



SR 504 MP 45.50 TO MP 52.36  
COLDWATER LANE VICINITY  
TO  
JOHNSON RIDGE  
COUNTY AND SNOHOMISH COUNTIES  
MAP OF SR 504

STATE OF WASHINGTON  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
WASHINGTON

DESIGNED BY  
ENGINEER  
CHECKED BY  
DATE

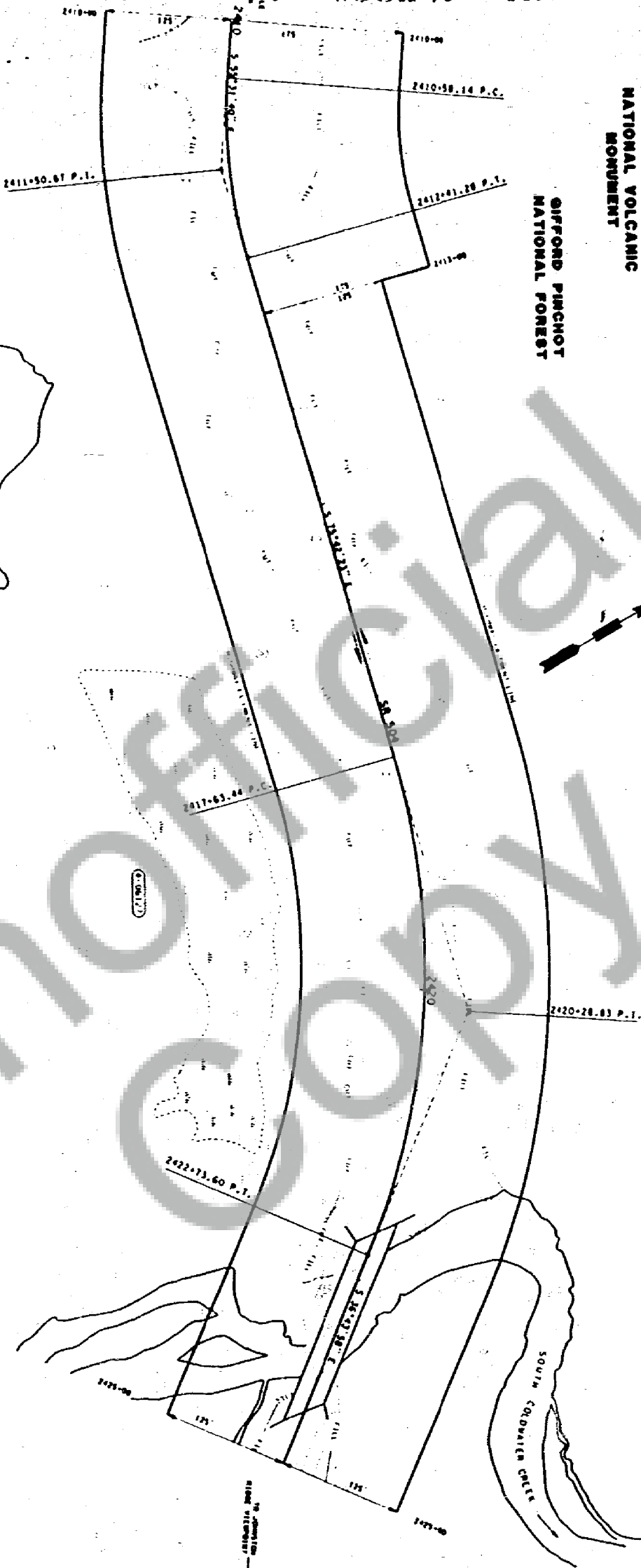
|      |        |   |    |
|------|--------|---|----|
| 6-17 | 145-11 | F | 21 |
|------|--------|---|----|

88109 6411A

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

**DIFFORD PINCHOT  
NATIONAL FOREST**

T.9N. R.4E. W.M.



**EXHIBIT "A"**

AVRAGE CRID AND ELEVATION FACTOR:  
51A. 7399-00 TO 51A. 12610-00-0.999784  
51A. 12610-00 TO 51A. 22761-11.23-0.9974

[illegible]

LEGLIM

0-96121

PROPERTY OF THE NATIONAL ARCHIVES

Page 1 of 1

4-11-77 0920

## OWNERSHIPS

SR 504 MP 45.50 TO MP 32.36

COLDWATER LAKE VENNIT

## 10 QUESTION PROCE

### COSTLY AND HARMFUL CONSEQUENCES

# REPORT OF DATA COLLECTION

\*\*\*\*\*

**CALIFORNIA STATE UNIVERSITY OF HUMBOLDT**

**THE NEW YORK PUBLIC LIBRARY**

100

2



—



**SECRET**

**THE**

64. By JAR

10

930621080

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 | 1001 | 1002 | 1003 | 1004 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1015 | 1016 | 1017 | 1018 | 1019 | 1020 | 1021 | 1022 | 1023 | 1024 | 1025 | 1026 | 1027 | 1028 | 1029 | 1030 | 1031 | 1032 | 1033 | 1034 | 1035 | 1036 | 1037 | 1038 | 1039 | 1040 | 1041 | 1042 | 1043 | 1044 | 1045 | 1046 | 1047 | 1048 | 1049 | 1050 | 1051 | 1052 | 1053 | 1054 | 1055 | 1056 | 1057 | 1058 | 1059 | 1060 | 1061 | 1062 | 1063 | 1064 | 1065 | 1066 | 1067 | 1068 | 1069 | 1070 | 1071 | 1072 | 1073 | 1074 | 1075 | 1076 | 1077 | 1078 | 1079 | 1080 | 1081 | 1082 | 1083 | 1084 | 1085 | 1086 | 1087 | 1088 | 1089 | 1090 | 1091 | 1092 | 1093 | 1094 | 1095 | 1096 | 1097 | 1098 | 1099 | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1107 | 1108 | 1109 | 1110 | 1111 | 1112 | 1113 | 1114 | 1115 | 1116 | 1117 | 1118 | 1119 | 1120 | 1121 | 1122 | 1123 | 1124 | 1125 | 1126 | 1127 | 1128 | 1129 | 1130 | 1131 | 1132 | 1133 | 1134 | 1135 | 1136 | 1137 | 1138 | 1139 | 1140 | 1141 | 1142 | 1143 | 1144 | 1145 | 1146 | 1147 | 1148 | 1149 | 1150 | 1151 | 1152 | 1153 | 1154 | 1155 | 1156 | 1157 | 1158 | 1159 | 1160 | 1161 | 1162 | 1163 | 1164 | 1165 | 1166 | 1167 | 1168 | 1169 | 1170 | 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | 1179 | 1180 | 1181 | 1182 | 1183 | 1184 | 1185 | 1186 | 1187 | 1188 | 1189 | 1190 | 1191 | 1192 | 1193 | 1194 | 1195 | 1196 | 1197 | 1198 | 1199 | 1200 | 1201 | 1202 | 1203 | 1204 | 1205 | 1206 | 1207 | 1208 | 1209 | 1210 | 1211 | 1212 | 1213 | 1214 | 1215 | 1216 | 1217 | 1218 | 1219 | 1220 | 1221 | 1222 | 1223 | 1224 | 1225 | 1226 | 1227 | 1228 | 1229 | 1230 | 1231 | 1232 | 1233 | 1234 | 1235 | 1236 | 1237 | 1238 | 1239 | 1240 | 1241 | 1242 | 1243 | 1244 | 1245 | 1246 | 1247 | 1248 | 1249 | 1250 | 1251 | 1252 | 1253 | 1254 | 1255 | 1256 | 1257 | 1258 | 1259 | 1260 | 1261 | 1262 | 1263 | 1264 | 1265 | 1266 | 1267 | 1268 | 1269 | 1270 | 1271 | 1272 | 1273 | 1274 | 1275 | 1276 | 1277 | 1278 | 1279 | 1280 | 1281 | 1282 | 1283 | 1284 | 1285 | 1286 | 1287 | 1288 | 1289 | 1290 | 1291 | 1292 | 1293 | 1294 | 1295 | 1296 | 1297 | 1298 | 1299 | 1300 | 1301 | 1302 | 1303 | 1304 | 1305 | 1306 | 1307 | 1308 | 1309 | 1310 | 1311 | 1312 | 1313 | 1314 | 1315 | 1316 | 1317 | 1318 | 1319 | 1320 | 1321 | 1322 | 1323 | 1324 | 1325 | 1326 | 1327 | 1328 | 1329 | 1330 | 1331 | 1332 | 1333 | 1334 | 1335 | 1336 | 1337 | 1338 | 1339 | 1340 | 1341 | 1342 | 1343 | 1344 | 1345 | 1346 | 1347 | 1348 | 1349 | 1350 | 1351 | 1352 | 1353 | 1354 | 1355 | 1356 | 1357 | 1358 | 1359 | 1360 | 1361 | 1362 | 1363 | 1364 | 1365 | 1366 | 1367 | 1368 | 1369 | 1370 | 1371 | 1372 | 1373 | 1374 | 1375 | 1376 | 1377 | 1378 | 1379 | 1380 | 1381 | 1382 | 1383 | 1384 | 1385 | 1386 | 1387 | 1388 | 1389 | 1390 | 1391 | 1392 | 1393 | 1394 | 1395 | 1396 | 1397 | 1398 | 1399 | 1400 | 1401 | 1402 | 1403 | 1404 | 1405 | 1406 | 1407 | 1408 | 1409 | 1410 | 1411 | 1412 | 1413 | 1414 | 1415 | 1416 | 1417 | 1418 | 1419 | 1420 | 1421 | 1422 | 1423 | 1424 | 1425 | 1426 | 1427 | 1428 | 1429 | 1430 | 1431 | 1432 | 1433 | 1434 | 1435 | 1436 | 1437 | 1438 | 1439 | 1440 | 1441 | 1442 | 1443 | 1444 | 1445 | 1446 | 1447 | 1448 | 1449 | 1450 | 1451 | 1452 | 1453 | 1454 | 1455 | 1456 | 1457 | 1458 | 1459 | 1460 | 1461 | 1462 | 1463 | 1464 | 1465 | 1466 | 1467 | 1468 | 1469 | 1470 | 1471 | 1472 | 1473 | 1474 | 1475 | 1476 | 1477 | 1478 | 1479 | 1480 | 1481 | 1482 | 1483 | 1484 | 1485 | 1486 | 1487 | 1488 | 1489 | 1490 | 1491 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

930621080

18 SEP 1962  
208 11149 002 11 0142 001 0441  
437

| P | BY |
|---|----|
|   |    |
|   |    |
|   |    |

| P | BY |
|---|----|
|   |    |
|   |    |
|   |    |

BOOK 136 PAGE 208

V1149 P0190

T.9N. R.4E. W.M.

GIFFORD PINCHOT  
NATIONAL FOREST

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

EXHIBIT "A"

AVERAGE CRIB AND ELEVATION FACTORS:  
STA. 2399+00 TO STA. 12610+00=0.99984  
STA. 12610+00 TO STA. 22761+11.23=0.99187

| STATION  | CRIB        | ELEVATION |
|----------|-------------|-----------|
| 2399+00  | 12610+00    | 0.99984   |
| 12610+00 | 22761+11.23 | 0.99187   |

OWNERSHIPS

LEGEND

0.00170

0.00170



UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
WASHINGTON, D.C. 20250

SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY  
TO  
JOHNSTON RIDGE  
CONJ. 12 AND SEASIDE COUNTRIES  
OFFICE OF THE W.F.O.

APPROVED FOR THE  
W.F.O. RECORDS UNIT  
DATE 5/1/62 BY W.F.O.

**DIFFORD PINCHOT  
NATIONAL FOREST**

T.9N. R.4E. W.M.

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

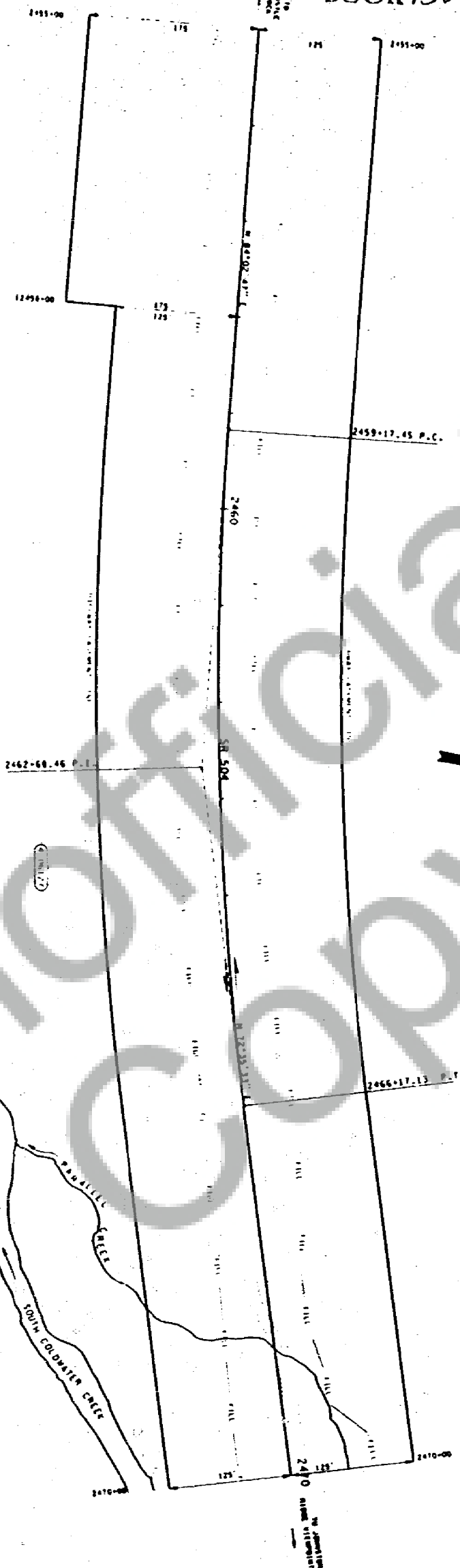


EXHIBIT -A-

|                                               |           |           |           |           |           |
|-----------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| ARTICLE, UNIT AND ELEVATION FACTORY           |           |           |           |           |           |
| 51A, 2390-000 TO 51A, 12610-000-00999104      |           |           |           |           |           |
| 51A, 12610-000 TO 51A, 22761-011-23+0, 099104 |           |           |           |           |           |
| 011170100                                     | 011170100 | 011170100 | 011170100 | 011170100 | 011170100 |
| 2000-000-00                                   | 112210100 | 011170100 | 011170100 | 011170100 | 011170100 |

[illegible]

11. Gt. Mb

0-06121

SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY

**JOHNSTON RIDGE  
COMMITTEE AND MANAGER COMMITTEE**

**PROPERTY OF GAY ELLMAN**

| STATION NUMBER | TO STATION NUMBER |
|----------------|-------------------|
| 1              | 2                 |
| 3              | 4                 |
| 5              | 6                 |
| 7              | 8                 |
| 9              | 10                |
| 11             | 12                |
| 13             | 14                |
| 15             | 16                |
| 17             | 18                |
| 19             | 20                |
| 21             | 22                |
| 23             | 24                |
| 25             | 26                |
| 27             | 28                |
| 29             | 30                |
| 31             | 32                |
| 33             | 34                |
| 35             | 36                |
| 37             | 38                |
| 39             | 40                |
| 41             | 42                |
| 43             | 44                |
| 45             | 46                |
| 47             | 48                |
| 49             | 50                |
| 51             | 52                |
| 53             | 54                |
| 55             | 56                |
| 57             | 58                |
| 59             | 60                |
| 61             | 62                |
| 63             | 64                |
| 65             | 66                |
| 67             | 68                |
| 69             | 70                |
| 71             | 72                |
| 73             | 74                |
| 75             | 76                |
| 77             | 78                |
| 79             | 80                |
| 81             | 82                |
| 83             | 84                |
| 85             | 86                |
| 87             | 88                |
| 89             | 90                |
| 91             | 92                |
| 93             | 94                |
| 95             | 96                |
| 97             | 98                |
| 99             | 100               |

1997-1998 1999-2000 2001-2002 2003-2004 2005-2006 2007-2008 2009-2010 2011-2012 2013-2014 2015-2016 2017-2018 2019-2020 2021-2022 2023-2024 2025-2026 2027-2028 2029-2030 2031-2032 2033-2034 2035-2036 2037-2038 2039-2040 2041-2042 2043-2044 2045-2046 2047-2048 2049-2050 2051-2052 2053-2054 2055-2056 2057-2058 2059-2060 2061-2062 2063-2064 2065-2066 2067-2068 2069-2070 2071-2072 2073-2074 2075-2076 2077-2078 2079-2080 2081-2082 2083-2084 2085-2086 2087-2088 2089-2090 2091-2092 2093-2094 2095-2096 2097-2098 2099-2100 2101-2102 2103-2104 2105-2106 2107-2108 2109-2110 2111-2112 2113-2114 2115-2116 2117-2118 2119-2120 2121-2122 2123-2124 2125-2126 2127-2128 2129-2130 2131-2132 2133-2134 2135-2136 2137-2138 2139-2140 2141-2142 2143-2144 2145-2146 2147-2148 2149-2150 2151-2152 2153-2154 2155-2156 2157-2158 2159-2160 2161-2162 2163-2164 2165-2166 2167-2168 2169-2170 2171-2172 2173-2174 2175-2176 2177-2178 2179-2180 2181-2182 2183-2184 2185-2186 2187-2188 2189-2190 2191-2192 2193-2194 2195-2196 2197-2198 2199-2200 2201-2202 2203-2204 2205-2206 2207-2208 2209-2210 2211-2212 2213-2214 2215-2216 2217-2218 2219-2220 2221-2222 2223-2224 2225-2226 2227-2228 2229-2230 2231-2232 2233-2234 2235-2236 2237-2238 2239-2240 2241-2242 2243-2244 2245-2246 2247-2248 2249-2250 2251-2252 2253-2254 2255-2256 2257-2258 2259-2260 2261-2262 2263-2264 2265-2266 2267-2268 2269-2270 2271-2272 2273-2274 2275-2276 2277-2278 2279-2280 2281-2282 2283-2284 2285-2286 2287-2288 2289-2290 2291-2292 2293-2294 2295-2296 2297-2298 2299-2300 2301-2302 2303-2304 2305-2306 2307-2308 2309-2310 2311-2312 2313-2314 2315-2316 2317-2318 2319-2320 2321-2322 2323-2324 2325-2326 2327-2328 2329-2330 2331-2332 2333-2334 2335-2336 2337-2338 2339-2340 2341-2342 2343-2344 2345-2346 2347-2348 2349-2350 2351-2352 2353-2354 2355-2356 2357-2358 2359-2360 2361-2362 2363-2364 2365-2366 2367-2368 2369-2370 2371-2372 2373-2374 2375-2376 2377-2378 2379-2380 2381-2382 2383-2384 2385-2386 2387-2388 2389-2390 2391-2392 2393-2394 2395-2396 2397-2398 2399-2400 2401-2402 2403-2404 2405-2406 2407-2408 2409-2410 2411-2412 2413-2414 2415-2416 2417-2418 2419-2420 2421-2422 2423-2424 2425-2426 2427-2428 2429-2430 2431-2432 2433-2434 2435-2436 2437-2438 2439-2440 2441-2442 2443-2444 2445-2446 2447-2448 2449-2450 2451-2452 2453-2454 2455-2456 2457-2458 2459-2460 2461-2462 2463-2464 2465-2466 2467-2468 2469-2470 2471-2472 2473-2474 2475-2476 2477-2478 2479-2480 2481-2482 2483-2484 2485-2486 2487-2488 2489-2490 2491-2492 2493-2494 2495-2496 2497-2498 2499-2500 2501-2502 2503-2504 2505-2506 2507-2508 2509-2510 2511-2512 2513-2514 2515-2516 2517-2518 2519-2520 2521-2522 2523-2524 2525-2526 2527-2528 2529-2530 2531-2532 2533-2534 2535-2536 2537-2538 2539-2540 2541-2542 2543-2544 2545-2546 2547-2548 2549-2550 2551-2552 2553-2554 2555-2556 2557-2558 2559-2560 2561-2562 2563-2564 2565-2566 2567-2568 2569-2570 2571-2572 2573-2574 2575-2576 2577-2578 2579-2580 2581-2582 2583-2584 2585-2586 2587-2588 2589-2590 2591-2592 2593-2594 2595-2596 2597-2598 2599-2600 2601-2602 2603-2604 2605-2606 2607-2608 2609-2610 2611-2612 2613-2614 2615-2616 2617-2618 2619-2620 2621-2622 2623-2624 2625-2626 2627-2628 2629-2630 2631-2632 2633-2634 2635-2636 2637-2638 2639-2640 2641-2642 2643-2644 2645-2646 2647-2648 2649-2650 2651-2652 2653-2654 2655-2656 2657-2658 2659-2660 2661-2662 2663-2664 2665-2666 2667-2668 2669-2670 2671-2672 2673-2674 2675-2676 2677-2678 2679-2680 2681-2682 2683-2684 2685-2686 2687-2688 2689-2690 2691-2692 2693-2694 2695-2696 2697-2698 2699-2700 2701-2702 2703-2704 2705-2706 2707-2708 2709-2710 2711-2712 2713-2714 2715-2716 2717-2718 2719-2720 2721-2722 2723-2724 2725-2726 2727-2728 2729-2730 2731-2732 2733-2734 2735-2736 2737-2738 2739-2740 2741-2742 2743-2744 2745-2746 2747-2748 2749-2750 2751-2752 2753-2754 2755-2756 2757-2758 2759-2760 2761-2762 2763-2764 2765-2766 2767-2768 2769-2770 2771-2772 2773-2774 2775-2776 2777-2778 2779-2780 2781-2782 2783-2784 2785-2786 2787-2788 2789-2790 2791-2792 2793-2794 2795-2796 2797-2798 2799-2800 2801-2802 2803-2804 2805-2806 2807-2808 2809-2810 2811-2812 2813-2814 2815

**Dr. Robert A. G. Harrison**

73



APPROVED REPORTS IN MAY  
MAY 6 4 44 PM '44

|     |     |   |    |
|-----|-----|---|----|
| 229 | 200 | 1 | 21 |
|-----|-----|---|----|

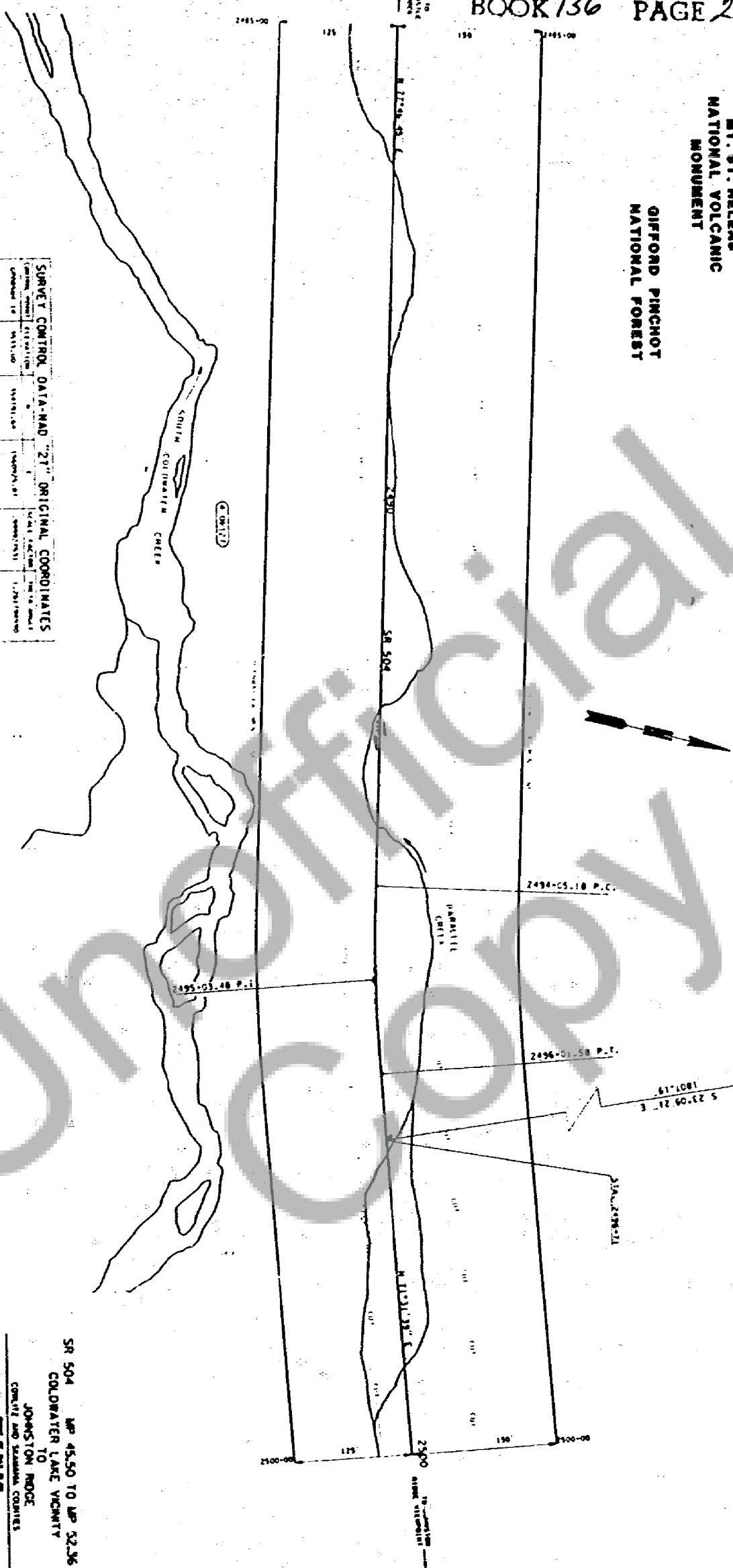
V1149 P0193

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

GIFFORD PINCHOT  
NATIONAL FOREST

T.9N. R.5E. W.M.

BOOK 136 PAGE 211



SURVEY CONTROL DATA-MAD "21" ORIGINAL COORDINATES

| Station | Latitude      | Longitude      | Height  | Remarks       |
|---------|---------------|----------------|---------|---------------|
| 1       | 44° 00' 00" N | 122° 00' 00" W | 1000.00 | Control Point |
| 2       | 44° 00' 00" N | 122° 00' 00" W | 1000.00 | Control Point |
| 3       | 44° 00' 00" N | 122° 00' 00" W | 1000.00 | Control Point |
| 4       | 44° 00' 00" N | 122° 00' 00" W | 1000.00 | Control Point |
| 5       | 44° 00' 00" N | 122° 00' 00" W | 1000.00 | Control Point |
| 6       | 44° 00' 00" N | 122° 00' 00" W | 1000.00 | Control Point |
| 7       | 44° 00' 00" N | 122° 00' 00" W | 1000.00 | Control Point |
| 8       | 44° 00' 00" N | 122° 00' 00" W | 1000.00 | Control Point |
| 9       | 44° 00' 00" N | 122° 00' 00" W | 1000.00 | Control Point |
| 10      | 44° 00' 00" N | 122° 00' 00" W | 1000.00 | Control Point |

EXHIBIT "A"

AVERAGE GRID AND ELEVATION FACTORS:  
STA. 2394+00 TO STA. 12610+00: 0.000784  
STA. 12610+00 TO STA. 22761+11.25: 0.00141

OWNERSHIPS

LEGEND

ADJACENT LAND RIGHTS

EXISTING ROAD

ROAD TO BE BUILT

SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
CONLEY AND SASSAMAN COUNTIES  
STATE OF MONTANA



|          |           |     |
|----------|-----------|-----|
| FILE NO. | 1149      | 211 |
| DATE     | 10/1/1991 |     |

T.9N. R.5E. W.M.

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

**GILFORD PINCHOT  
NATIONAL FOREST**

AVIATION AND ELEVATION SECTION  
SIA. 2799-00 TO SIA. 12610-000. 999/N4  
SIA. 12610-00 TO SIA. 22761-11.2340. 999/N4

| CITY                |     |     |      | STATE |       |
|---------------------|-----|-----|------|-------|-------|
| NAME                | AGE | SEX | DATE | TIME  | PLACE |
| JOHN D. SMITH       | 35  | M   | 1945 | 10:30 | 1000  |
| MARY E. JONES       | 28  | F   | 1945 | 11:00 | 1000  |
| WILLIAM R. BROWN    | 42  | M   | 1945 | 11:30 | 1000  |
| ELIZABETH A. WHITE  | 30  | F   | 1945 | 12:00 | 1000  |
| CHARLES F. GREEN    | 38  | M   | 1945 | 12:30 | 1000  |
| HENRY L. BLACK      | 45  | M   | 1945 | 13:00 | 1000  |
| JOHN A. GRAY        | 32  | M   | 1945 | 13:30 | 1000  |
| MARY K. HARRIS      | 25  | F   | 1945 | 14:00 | 1000  |
| WILLIAM J. KING     | 40  | M   | 1945 | 14:30 | 1000  |
| ELIZABETH C. LEE    | 29  | F   | 1945 | 15:00 | 1000  |
| CHARLES E. SCOTT    | 37  | M   | 1945 | 15:30 | 1000  |
| HENRY G. WALKER     | 43  | M   | 1945 | 16:00 | 1000  |
| JOHN H. YOUNG       | 31  | M   | 1945 | 16:30 | 1000  |
| MARY I. ZIMMERMAN   | 26  | F   | 1945 | 17:00 | 1000  |
| WILLIAM M. ADAMS    | 41  | M   | 1945 | 17:30 | 1000  |
| ELIZABETH N. BAKER  | 33  | F   | 1945 | 18:00 | 1000  |
| CHARLES O. CAMPBELL | 39  | M   | 1945 | 18:30 | 1000  |
| HENRY P. COOPER     | 44  | M   | 1945 | 19:00 | 1000  |
| JOHN Q. DAVIS       | 34  | M   | 1945 | 19:30 | 1000  |
| MARY R. EVANS       | 27  | F   | 1945 | 20:00 | 1000  |
| WILLIAM S. FOSTER   | 46  | M   | 1945 | 20:30 | 1000  |
| ELIZABETH T. GIBSON | 36  | F   | 1945 | 21:00 | 1000  |
| CHARLES U. HARRIS   | 47  | M   | 1945 | 21:30 | 1000  |
| HENRY V. JONES      | 48  | M   | 1945 | 22:00 | 1000  |
| JOHN W. KING        | 35  | M   | 1945 | 22:30 | 1000  |
| MARY X. LEE         | 28  | F   | 1945 | 23:00 | 1000  |
| WILLIAM Y. SCOTT    | 42  | M   | 1945 | 23:30 | 1000  |
| ELIZABETH Z. WALKER | 31  | F   | 1945 | 24:00 | 1000  |

## OWNERSHIPS

EXHIBIT "A"

SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY

**JOHNSTON ROCK  
COLLIERIES AND SHALLOA COASTS**

**THE**

61A-1234 7500-000 70 61A-1234 7500-000

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

THE UNIVERSITY OF CHICAGO

11



不

10



100

**THE UNIVERSITY OF CHICAGO PRESS**

馬一浮

\_\_\_\_\_

51

100

|    |       |             |  |
|----|-------|-------------|--|
| 10 | 04500 | 00-00001100 |  |
|----|-------|-------------|--|

T.9N. R.5E. W.M.

|     |     |     |
|-----|-----|-----|
| 1   | 2   | 3   |
| 4   | 5   | 6   |
| 7   | 8   | 9   |
| 10  | 11  | 12  |
| 13  | 14  | 15  |
| 16  | 17  | 18  |
| 19  | 20  | 21  |
| 22  | 23  | 24  |
| 25  | 26  | 27  |
| 28  | 29  | 30  |
| 31  | 32  | 33  |
| 34  | 35  | 36  |
| 37  | 38  | 39  |
| 40  | 41  | 42  |
| 43  | 44  | 45  |
| 46  | 47  | 48  |
| 49  | 50  | 51  |
| 52  | 53  | 54  |
| 55  | 56  | 57  |
| 58  | 59  | 60  |
| 61  | 62  | 63  |
| 64  | 65  | 66  |
| 67  | 68  | 69  |
| 70  | 71  | 72  |
| 73  | 74  | 75  |
| 76  | 77  | 78  |
| 79  | 80  | 81  |
| 82  | 83  | 84  |
| 85  | 86  | 87  |
| 88  | 89  | 90  |
| 91  | 92  | 93  |
| 94  | 95  | 96  |
| 97  | 98  | 99  |
| 100 | 101 | 102 |
| 103 | 104 | 105 |
| 106 | 107 | 108 |
| 109 | 110 | 111 |
| 112 | 113 | 114 |
| 115 | 116 | 117 |
| 118 | 119 | 120 |
| 121 | 122 | 123 |
| 124 | 125 | 126 |
| 127 | 128 | 129 |
| 130 | 131 | 132 |
| 133 | 134 | 135 |
| 136 | 137 | 138 |
| 139 | 140 | 141 |
| 142 | 143 | 144 |
| 145 | 146 | 147 |
| 148 | 149 | 150 |
| 151 | 152 | 153 |
| 154 | 155 | 156 |
| 157 | 158 | 159 |
| 160 | 161 | 162 |
| 163 | 164 | 165 |
| 166 | 167 | 168 |
| 169 | 170 | 171 |
| 172 | 173 | 174 |
| 175 | 176 | 177 |
| 178 | 179 | 180 |
| 181 | 182 | 183 |
| 184 | 185 | 186 |
| 187 | 188 | 189 |
| 190 | 191 | 192 |
| 193 | 194 | 195 |
| 196 | 197 | 198 |
| 199 | 200 | 201 |
| 202 | 203 | 204 |
| 205 | 206 | 207 |
| 208 | 209 | 210 |
| 211 | 212 | 213 |
| 214 | 215 | 216 |
| 217 | 218 | 219 |
| 220 | 221 | 222 |
| 223 | 224 | 225 |
| 226 | 227 | 228 |
| 229 | 230 | 231 |
| 232 | 233 | 234 |
| 235 | 236 | 237 |
| 238 | 239 | 240 |
| 241 | 242 | 243 |
| 244 | 245 | 246 |
| 247 | 248 | 249 |
| 250 | 251 | 252 |
| 253 | 254 | 255 |
| 256 | 257 | 258 |
| 259 | 260 | 261 |
| 262 | 263 | 264 |
| 265 | 266 | 267 |
| 268 | 269 | 270 |
| 271 | 272 | 273 |
| 274 | 275 | 276 |
| 277 | 278 | 279 |
| 280 | 281 | 282 |
| 283 | 284 | 285 |
| 286 | 287 | 288 |
| 289 | 290 | 291 |
| 292 | 293 | 294 |
| 295 | 296 | 297 |
| 298 | 299 | 300 |
| 301 | 302 | 303 |
| 304 | 305 | 306 |
| 307 | 308 | 309 |
| 310 | 311 | 312 |
| 313 | 314 | 315 |
| 316 | 317 | 318 |
| 319 | 320 | 321 |
| 322 | 323 | 324 |
| 325 | 326 | 327 |
| 328 | 329 | 330 |
| 331 | 332 | 333 |
| 334 | 335 | 336 |
| 337 | 338 | 339 |
| 340 | 341 | 342 |
| 343 | 344 | 345 |
| 346 | 347 | 348 |
| 349 | 350 | 351 |
| 352 | 353 | 354 |
| 355 | 356 | 357 |
| 358 | 359 | 360 |
| 361 | 362 | 363 |
| 364 | 365 | 366 |
| 367 | 368 | 369 |
| 370 | 37  |     |

|               |      |      |
|---------------|------|------|
| 44-38861-5420 | FILE | FILE |
|---------------|------|------|

226 11032023 256:00: 32011

AVANCEE GRID AND ELEVATION FACTORS:  
STA. 2399+00 TO STA. 12610+00=0.999784  
STA. 12610+00 TO STA. 22761+11.2390.99141

|          |          |              |         |       |       |
|----------|----------|--------------|---------|-------|-------|
| DATE     | NAME     | ADDRESS      | CITY    | STATE | ZIP   |
| 10-10-68 | JOHN DOE | 123 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-11-68 | JANE DOE | 456 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-12-68 | JOHN DOE | 789 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-13-68 | JANE DOE | 101 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-14-68 | JOHN DOE | 202 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-15-68 | JANE DOE | 303 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-16-68 | JOHN DOE | 404 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-17-68 | JANE DOE | 505 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-18-68 | JOHN DOE | 606 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-19-68 | JANE DOE | 707 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-20-68 | JOHN DOE | 808 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-21-68 | JANE DOE | 909 MAIN ST  | ANYTOWN | CA    | 90210 |
| 10-22-68 | JOHN DOE | 1010 MAIN ST | ANYTOWN | CA    | 90210 |
| 10-23-68 | JANE DOE | 1111 MAIN ST | ANYTOWN | CA    | 90210 |
| 10-24-68 | JOHN DOE | 1212 MAIN ST | ANYTOWN | CA    | 90210 |
| 10-25-68 | JANE DOE | 1313 MAIN ST | ANYTOWN | CA    | 90210 |
| 10-26-68 | JOHN DOE | 1414 MAIN ST | ANYTOWN | CA    | 90210 |
| 10-27-68 | JANE DOE | 1515 MAIN ST | ANYTOWN | CA    | 90210 |
| 10-28-68 | JOHN DOE | 1616 MAIN ST | ANYTOWN | CA    | 90210 |
| 10-29-68 | JANE DOE | 1717 MAIN ST | ANYTOWN | CA    | 90210 |
| 10-30-68 | JOHN DOE | 1818 MAIN ST | ANYTOWN | CA    | 90210 |
| 10-31-68 | JANE DOE | 1919 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-01-68 | JOHN DOE | 2020 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-02-68 | JANE DOE | 2121 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-03-68 | JOHN DOE | 2222 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-04-68 | JANE DOE | 2323 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-05-68 | JOHN DOE | 2424 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-06-68 | JANE DOE | 2525 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-07-68 | JOHN DOE | 2626 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-08-68 | JANE DOE | 2727 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-09-68 | JOHN DOE | 2828 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-10-68 | JANE DOE | 2929 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-11-68 | JOHN DOE | 3030 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-12-68 | JANE DOE | 3131 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-13-68 | JOHN DOE | 3232 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-14-68 | JANE DOE | 3333 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-15-68 | JOHN DOE | 3434 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-16-68 | JANE DOE | 3535 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-17-68 | JOHN DOE | 3636 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-18-68 | JANE DOE | 3737 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-19-68 | JOHN DOE | 3838 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-20-68 | JANE DOE | 3939 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-21-68 | JOHN DOE | 4040 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-22-68 | JANE DOE | 4141 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-23-68 | JOHN DOE | 4242 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-24-68 | JANE DOE | 4343 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-25-68 | JOHN DOE | 4444 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-26-68 | JANE DOE | 4545 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-27-68 | JOHN DOE | 4646 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-28-68 | JANE DOE | 4747 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-29-68 | JOHN DOE | 4848 MAIN ST | ANYTOWN | CA    | 90210 |
| 11-30-68 | JANE DOE | 4949 MAIN ST | ANYTOWN | CA    | 90210 |
| 12-01-68 | JOHN DOE | 5050 MAIN ST | ANYTOWN | CA    | 90210 |
| 12-02-68 | JANE DOE | 5151 MAIN ST | ANYTOWN | CA    | 90210 |
| 12-03-68 | JOHN DOE | 5252 MAIN ST | ANYTOWN | CA    | 90210 |
| 12-04-68 | JANE DOE | 5353 MAIN ST | ANYTOWN | CA    | 90210 |
| 12-05-68 | JOHN DOE | 5454 MAIN ST | ANYTOWN | CA    | 90210 |
| 12-06-68 | JANE DOE | 5555 MAIN ST | ANYTOWN | CA    | 90210 |
| 12-07-68 | JOHN DOE | 5656 MAIN ST | ANYTOWN | CA    | 90210 |
| 12-08-   |          |              |         |       |       |

OWNERSHIP

QW3231

RECEIVED 17 APR 1961

0-06121

EXHIBIT "A"

CMLEA

SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY

TO  
JOHNSTON RIDGE

## COMMITTEE AND MANAGER COUNTRIES

**REPORT OF CASE**

STATION 770-00 TO STATION 750-00

SAISON 1991-1992  
A. 1991, Saison 1991

MON 11:00

**MAJOR**



RECEIVED  
JAN 10 1964  
U.S. AIR FORCE  
HEADQUARTERS  
WASHINGTON, D.C.

100

**Drugs**

T.9N. R.5E. W.M.

**MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT**

**GIFFORD PINCHOT  
NATIONAL FOREST**

EQUATION  
7531-14.76 P.O.T. BK.  
17531-11.97 P.C. AND.

EXHIBIT "A"

AVENUE CR10 AND ELEVATION FACTOR:  
STA. 2399+00 TO STA. 17610+00=0.99974  
STA. 17610+00 TO STA. 22761+11.23=0.9974

| General Data |         |           |            |
|--------------|---------|-----------|------------|
| U.S. Station | ICAT    | Latitude  | Longitude  |
| 10702000     | 1071000 | 20° 00' N | 156° 00' W |
| 10702000     | 1071000 | 20° 00' N | 156° 00' W |

**LECEMD**

9-06120

**RESEARCH IN PROGRESS**

**Exhibit 201-53177**

## OWNERSHIPS

SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY

**JOHNSTON BRIDGE  
COMMITTEE AND THAMMAHA COUNCIL**

**REPORT OF MAY 1968**

0161000 740-00 70 161000 670-00

**Dr. Robert C. Anderson, DVM**

三、

**FACTSHEET 1009**



**SECRET**

930621080

|   |   |   |   |   |   |   |   |   |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|   |   |   |   |   |   |   |   |   |    |    |    |

|   |   |   |   |   |   |   |   |   |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|   |   |   |   |   |   |   |   |   |    |    |    |

BOOK 136 PAGE 215

V1149 P0197

T.9N. R.5E. W.M.

GIFFORD PINCHOT  
NATIONAL FOREST

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

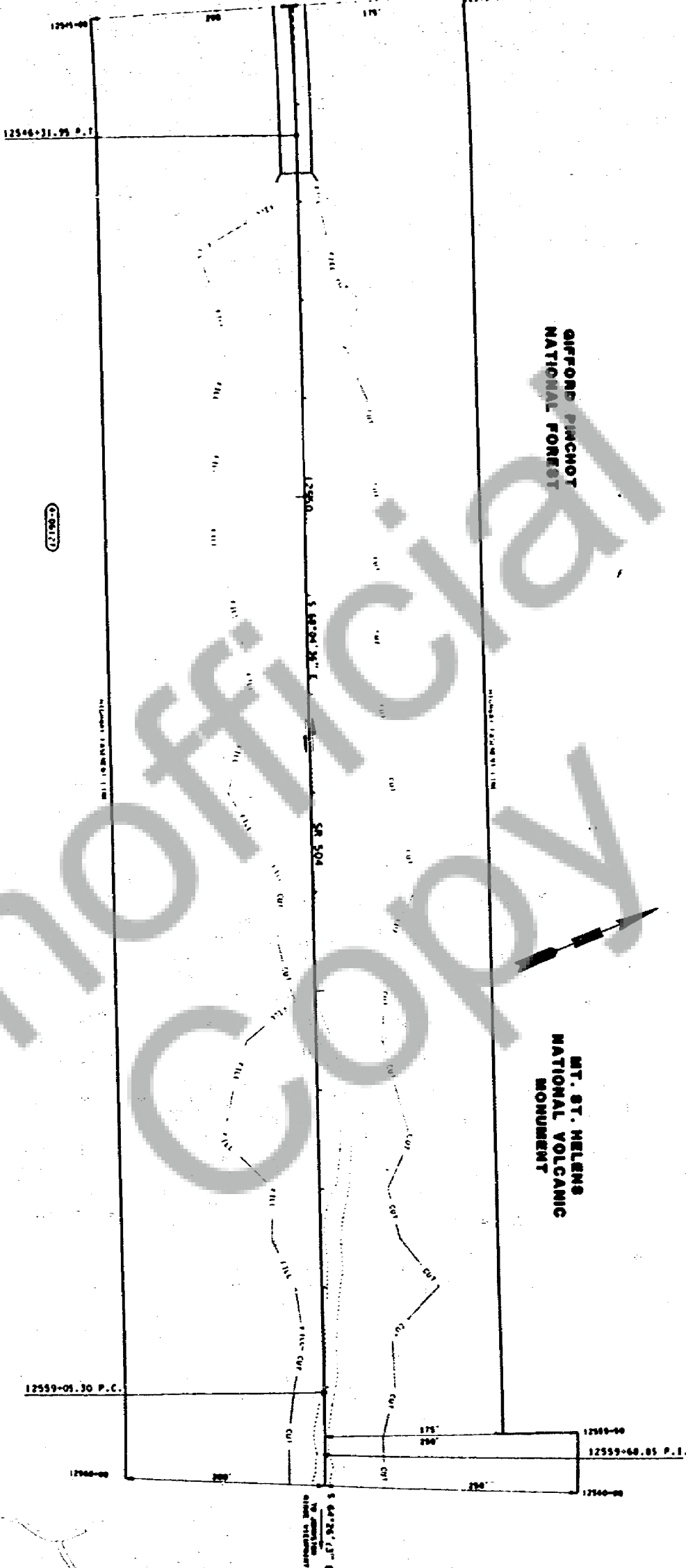


EXHIBIT "A"

ARCADE 0010 AND ELEVATION FACTORS:  
STA. 2399+00 TO STA. 12510+00-6.599184  
STA. 12510+00 TO STA. 27810+11.270-0.99747

LEGEND  
UNIMPROVED ROAD  
IMPROVED ROAD  
RAILROAD  
WATER  
CUT  
FILL  
DITCH  
DRAINAGE  
ELEVATION  
DISTANCE  
AREA  
PERCENTAGE  
TOTAL AREA

| OWNER          | DATE | DESCRIPTION | REMARKS |
|----------------|------|-------------|---------|
| STATE OF WASH. | 1916 | GRANT       |         |
| STATE OF WASH. | 1917 | GRANT       |         |
| STATE OF WASH. | 1918 | GRANT       |         |
| STATE OF WASH. | 1919 | GRANT       |         |
| STATE OF WASH. | 1920 | GRANT       |         |
| STATE OF WASH. | 1921 | GRANT       |         |
| STATE OF WASH. | 1922 | GRANT       |         |
| STATE OF WASH. | 1923 | GRANT       |         |
| STATE OF WASH. | 1924 | GRANT       |         |
| STATE OF WASH. | 1925 | GRANT       |         |
| STATE OF WASH. | 1926 | GRANT       |         |
| STATE OF WASH. | 1927 | GRANT       |         |
| STATE OF WASH. | 1928 | GRANT       |         |
| STATE OF WASH. | 1929 | GRANT       |         |
| STATE OF WASH. | 1930 | GRANT       |         |
| STATE OF WASH. | 1931 | GRANT       |         |
| STATE OF WASH. | 1932 | GRANT       |         |
| STATE OF WASH. | 1933 | GRANT       |         |
| STATE OF WASH. | 1934 | GRANT       |         |
| STATE OF WASH. | 1935 | GRANT       |         |
| STATE OF WASH. | 1936 | GRANT       |         |
| STATE OF WASH. | 1937 | GRANT       |         |
| STATE OF WASH. | 1938 | GRANT       |         |
| STATE OF WASH. | 1939 | GRANT       |         |
| STATE OF WASH. | 1940 | GRANT       |         |
| STATE OF WASH. | 1941 | GRANT       |         |
| STATE OF WASH. | 1942 | GRANT       |         |
| STATE OF WASH. | 1943 | GRANT       |         |
| STATE OF WASH. | 1944 | GRANT       |         |
| STATE OF WASH. | 1945 | GRANT       |         |
| STATE OF WASH. | 1946 | GRANT       |         |
| STATE OF WASH. | 1947 | GRANT       |         |
| STATE OF WASH. | 1948 | GRANT       |         |
| STATE OF WASH. | 1949 | GRANT       |         |
| STATE OF WASH. | 1950 | GRANT       |         |
| STATE OF WASH. | 1951 | GRANT       |         |
| STATE OF WASH. | 1952 | GRANT       |         |
| STATE OF WASH. | 1953 | GRANT       |         |
| STATE OF WASH. | 1954 | GRANT       |         |
| STATE OF WASH. | 1955 | GRANT       |         |
| STATE OF WASH. | 1956 | GRANT       |         |
| STATE OF WASH. | 1957 | GRANT       |         |
| STATE OF WASH. | 1958 | GRANT       |         |
| STATE OF WASH. | 1959 | GRANT       |         |
| STATE OF WASH. | 1960 | GRANT       |         |
| STATE OF WASH. | 1961 | GRANT       |         |
| STATE OF WASH. | 1962 | GRANT       |         |
| STATE OF WASH. | 1963 | GRANT       |         |
| STATE OF WASH. | 1964 | GRANT       |         |
| STATE OF WASH. | 1965 | GRANT       |         |
| STATE OF WASH. | 1966 | GRANT       |         |
| STATE OF WASH. | 1967 | GRANT       |         |
| STATE OF WASH. | 1968 | GRANT       |         |
| STATE OF WASH. | 1969 | GRANT       |         |
| STATE OF WASH. | 1970 | GRANT       |         |
| STATE OF WASH. | 1971 | GRANT       |         |
| STATE OF WASH. | 1972 | GRANT       |         |
| STATE OF WASH. | 1973 | GRANT       |         |
| STATE OF WASH. | 1974 | GRANT       |         |
| STATE OF WASH. | 1975 | GRANT       |         |
| STATE OF WASH. | 1976 | GRANT       |         |
| STATE OF WASH. | 1977 | GRANT       |         |
| STATE OF WASH. | 1978 | GRANT       |         |
| STATE OF WASH. | 1979 | GRANT       |         |
| STATE OF WASH. | 1980 | GRANT       |         |
| STATE OF WASH. | 1981 | GRANT       |         |
| STATE OF WASH. | 1982 | GRANT       |         |
| STATE OF WASH. | 1983 | GRANT       |         |
| STATE OF WASH. | 1984 | GRANT       |         |
| STATE OF WASH. | 1985 | GRANT       |         |
| STATE OF WASH. | 1986 | GRANT       |         |
| STATE OF WASH. | 1987 | GRANT       |         |
| STATE OF WASH. | 1988 | GRANT       |         |
| STATE OF WASH. | 1989 | GRANT       |         |
| STATE OF WASH. | 1990 | GRANT       |         |
| STATE OF WASH. | 1991 | GRANT       |         |
| STATE OF WASH. | 1992 | GRANT       |         |
| STATE OF WASH. | 1993 | GRANT       |         |
| STATE OF WASH. | 1994 | GRANT       |         |
| STATE OF WASH. | 1995 | GRANT       |         |
| STATE OF WASH. | 1996 | GRANT       |         |
| STATE OF WASH. | 1997 | GRANT       |         |
| STATE OF WASH. | 1998 | GRANT       |         |
| STATE OF WASH. | 1999 | GRANT       |         |
| STATE OF WASH. | 2000 | GRANT       |         |



STATE OF WASH. TO STATE DEPT.  
DEPARTMENT OF TRANSPORTATION  
ALBANY, ALABAMA  
REPORTING

SR 504 MP 49.50 TO MP 52.36  
COLUMBIA LAKE VICINITY  
TO  
JOHNSTON RIDGE  
COUNTY AND SEASIDE COUNTIES  
STATE OF WASH.

APPROVED BY THE  
STATE OF WASH.  
DATE 10/10/1991  
BY [Signature]

|  |                   |    |
|--|-------------------|----|
|  | (0-6) 11 22000-18 | 10 |
|--|-------------------|----|

T.9N. R.5E. W.M.

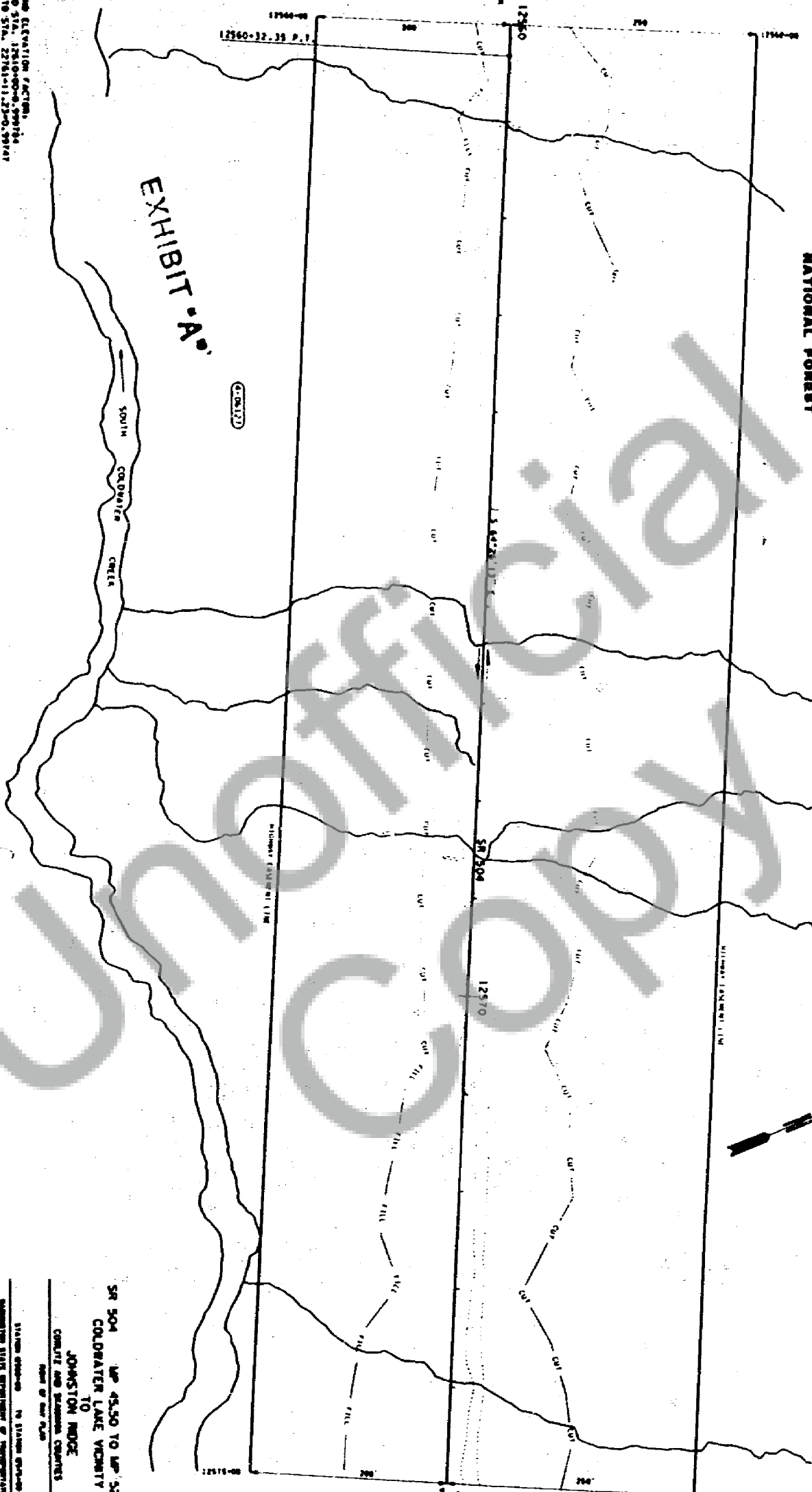


EXHIBIT 'A'

average ORIO and ELEVATION FACTORS:  
51A. 2399-00 TO 51A. 12610-00-0. 999P4  
51A. 12610-00 TO 51A. 22761-1-1. 23-0. 999A1

| Casey, John |          |
|-------------|----------|
| DATE        | REMARKS  |
| 10-1-60     | 10-1-60  |
| 10-2-60     | 10-2-60  |
| 10-3-60     | 10-3-60  |
| 10-4-60     | 10-4-60  |
| 10-5-60     | 10-5-60  |
| 10-6-60     | 10-6-60  |
| 10-7-60     | 10-7-60  |
| 10-8-60     | 10-8-60  |
| 10-9-60     | 10-9-60  |
| 10-10-60    | 10-10-60 |
| 10-11-60    | 10-11-60 |
| 10-12-60    | 10-12-60 |
| 10-13-60    | 10-13-60 |
| 10-14-60    | 10-14-60 |
| 10-15-60    | 10-15-60 |
| 10-16-60    | 10-16-60 |
| 10-17-60    | 10-17-60 |
| 10-18-60    | 10-18-60 |
| 10-19-60    | 10-19-60 |
| 10-20-60    | 10-20-60 |
| 10-21-60    | 10-21-60 |
| 10-22-60    | 10-22-60 |
| 10-23-60    | 10-23-60 |
| 10-24-60    | 10-24-60 |
| 10-25-60    | 10-25-60 |
| 10-26-60    | 10-26-60 |
| 10-27-60    | 10-27-60 |
| 10-28-60    | 10-28-60 |
| 10-29-60    | 10-29-60 |
| 10-30-60    | 10-30-60 |
| 10-31-60    | 10-31-60 |

LEGLAND

FOR THE UNITED STATES DEPARTMENT OF JUSTICE

Copyright © 1997 by John Wiley & Sons, Inc.

415-100-4000

## OWNERSHIPS

EXHIBIT A



SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY

**JOHNSTON RIDGE  
CONVULS AND TUMOR CHARACTERISTICS**

1102

67-10000-10000 10 10000-10000

### 6. Part 2: Customer's View

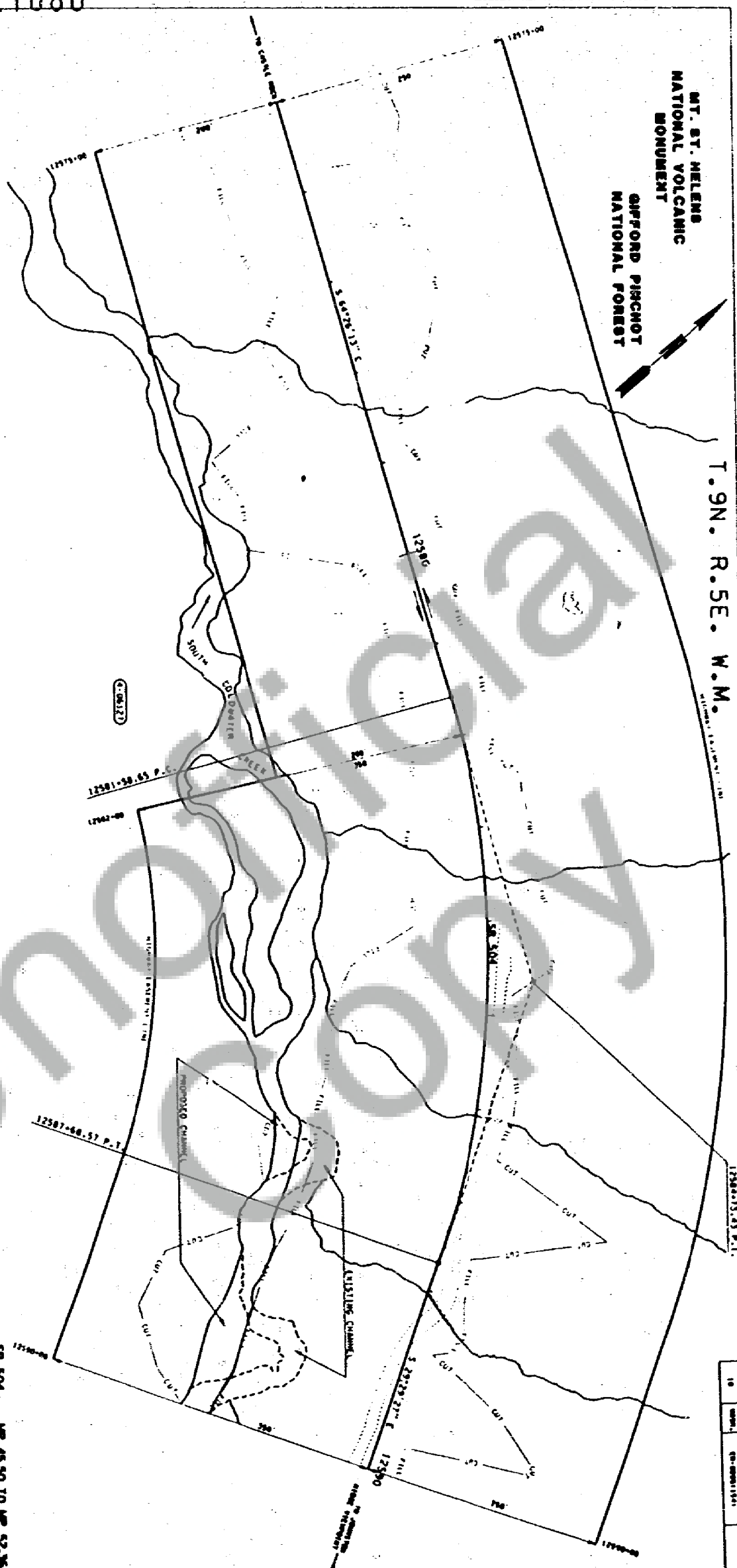
1000

—

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

GAFFORD PIRCHOT  
NATIONAL FOREST

T.9N. R.5E. W.M.



930621080

APPROVED FOR AND SUBMITTED TO THE  
STATE ENGINEER, DIVISION OF HIGHWAYS  
BY THE STATE ENGINEER, DIVISION OF HIGHWAYS  
DATE: 10/1/77

|             |          |
|-------------|----------|
| PROJECT NO. | 100-1000 |
| SECTION NO. | 1        |
| DATE        | 10/1/77  |

OWNERSHIPS

| OWNER           | DATE    | REMARKS  |
|-----------------|---------|----------|
| STATE OF IDAHO  | 10/1/77 | ACQUIRED |
| GAFFORD PIRCHOT | 10/1/77 | ACQUIRED |
| CO. DEATH       | 10/1/77 | ACQUIRED |

LEGEND

APPROVED FOR AND SUBMITTED TO THE  
STATE ENGINEER, DIVISION OF HIGHWAYS  
BY THE STATE ENGINEER, DIVISION OF HIGHWAYS  
DATE: 10/1/77

EXHIBIT "A"



SR 504 MP 45.50 TO MP 52.36  
COLUMBIA LAKE VICINITY  
TO  
JOHNSON RIDGE  
CONJUGATE AND SEPARATE COUNTRIES  
STATE OF IDAHO

STATE ENGINEER, DIVISION OF HIGHWAYS  
DIVISION OF HIGHWAYS  
DATE: 10/1/77

APPROVED FOR AND SUBMITTED TO THE  
STATE ENGINEER, DIVISION OF HIGHWAYS  
BY THE STATE ENGINEER, DIVISION OF HIGHWAYS  
DATE: 10/1/77

Y 1149 P 6200

BOOK 136 PAGE 218

930621080

**PL-0714**

LEAD

聖王

**DATE**

[illegible]

**SECRET NO 5921**

STAFORD PINCHOT  
NATIONAL FOREST  
MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

T.9N. R.5E. W.M.

|    |       |            |  |
|----|-------|------------|--|
| 10 | 90000 | 2000000000 |  |
|----|-------|------------|--|

10

SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY

**JOHNSTON RIDGE,  
COMMITTEE AND TRAINING CENTERS**

**FROM THE NEW YORK**

| STATION         | STATION         |
|-----------------|-----------------|
| STATION 1000-00 | STATION 1000-00 |

**Dr. Wanda J. Karpman**

THE

—

EXHIBIT "A"

## OWNERSHIPS

[illegible]

OFFICE 810 AND ELEVATION 74100,  
100, 770-00 0 0th, 100000, 0000  
100, 770-00 0 0th, 100000, 0000

10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846.

**Geography**

**WILSON JONES & COMPANY, LTD.**

|           |          |     |     |
|-----------|----------|-----|-----|
| 105-26-10 | 12-28-14 | 510 | 581 |
|-----------|----------|-----|-----|

DATE: 11/13/88

\_\_\_\_\_

[illegible]

\_\_\_\_\_

1-800-368-2868, Monday - Friday 9am - 5pm

100

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

100

\_\_\_\_\_

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The concentration of the *Agrobacterium* suspension was 10<sup>6</sup> cells/ml (○), 10<sup>7</sup> cells/ml (□), 10<sup>8</sup> cells/ml (△), 10<sup>9</sup> cells/ml (◇), and 10<sup>10</sup> cells/ml (×). The error bars represent the standard deviation of three independent experiments.

[illegible]

930621080

PL015

| DATE | BY | REMARKS |
|------|----|---------|
|      |    |         |
|      |    |         |

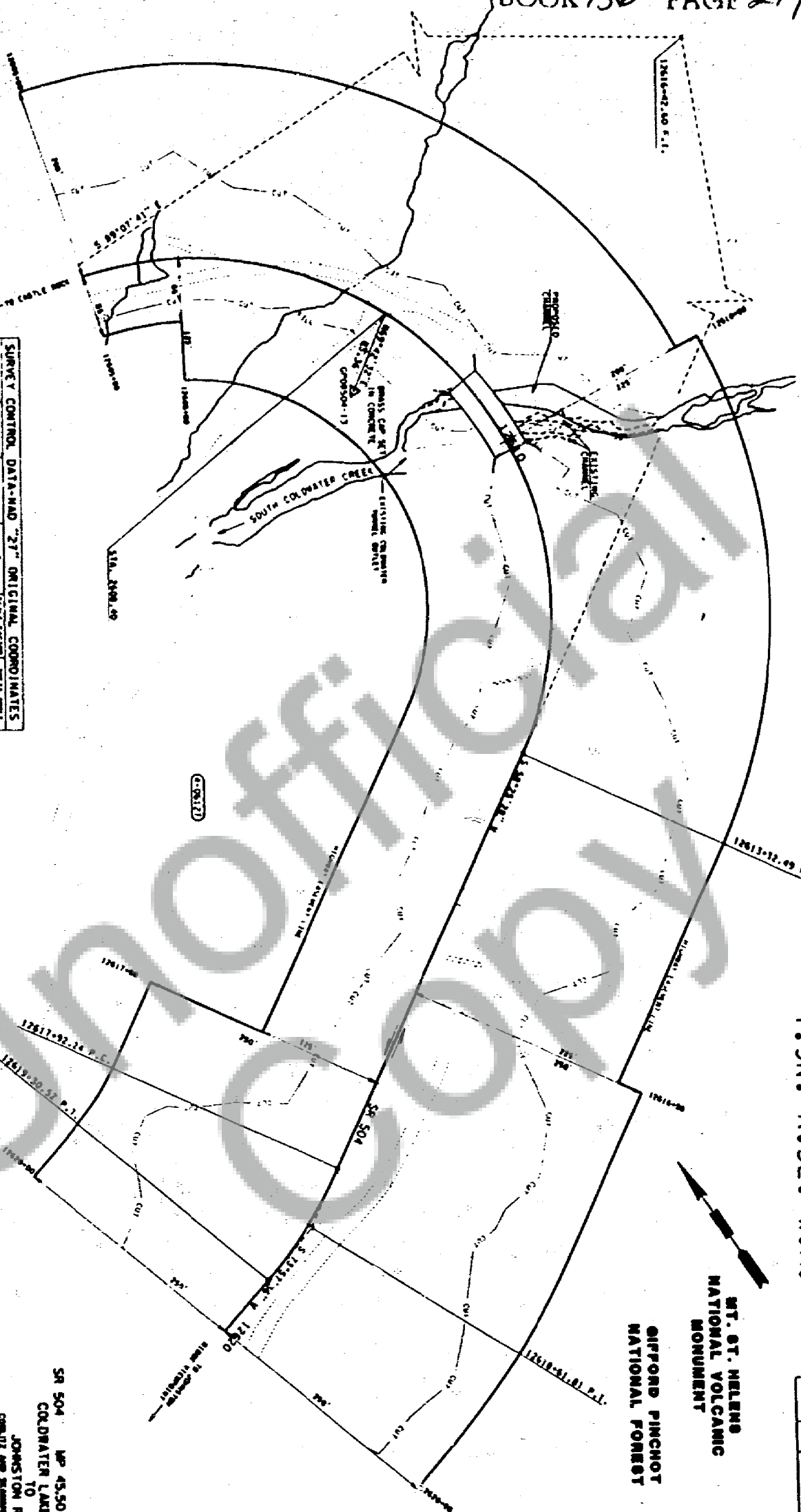
| DATE | BY | REMARKS |
|------|----|---------|
|      |    |         |
|      |    |         |

BOOK 136 PAGE 219

V1149 P0201

T.9N. R.5E. W.M.

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT  
GIFFORD PINCHOT  
NATIONAL FOREST



**SURVEY CONTROL DATA-MAD "27" ORIGINAL COORDINATES**

| STATION | Easting  | Northing  | Height    |
|---------|----------|-----------|-----------|
| 1       | 3700.127 | 20070.723 | 15117.405 |
| 2       | 3700.127 | 20070.723 | 15117.405 |
| 3       | 3700.127 | 20070.723 | 15117.405 |

LEGEND  
C-00127

EXHIBIT "A"

**OWNERSHIP**

| DATE | BY | REMARKS |
|------|----|---------|
|      |    |         |
|      |    |         |

SR 504 MP 45.50 TO MP 52.35  
COLDWATER LAKE VICINITY  
JOHNSTON MOUNTAIN  
COMALZ AND SEABOARD COUNTIES  
STATE OF CALIFORNIA

STAMP: OFFICIAL COPY  
DATE: 1/15/90  
BY: [Signature]

EC01:01:0002 2.2212872.92011  
=51

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

**MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT**

**GIFFORD PINCHOT  
NATIONAL FOREST**

VI 1149 P 0202

T.9N. R.5E. W.M.

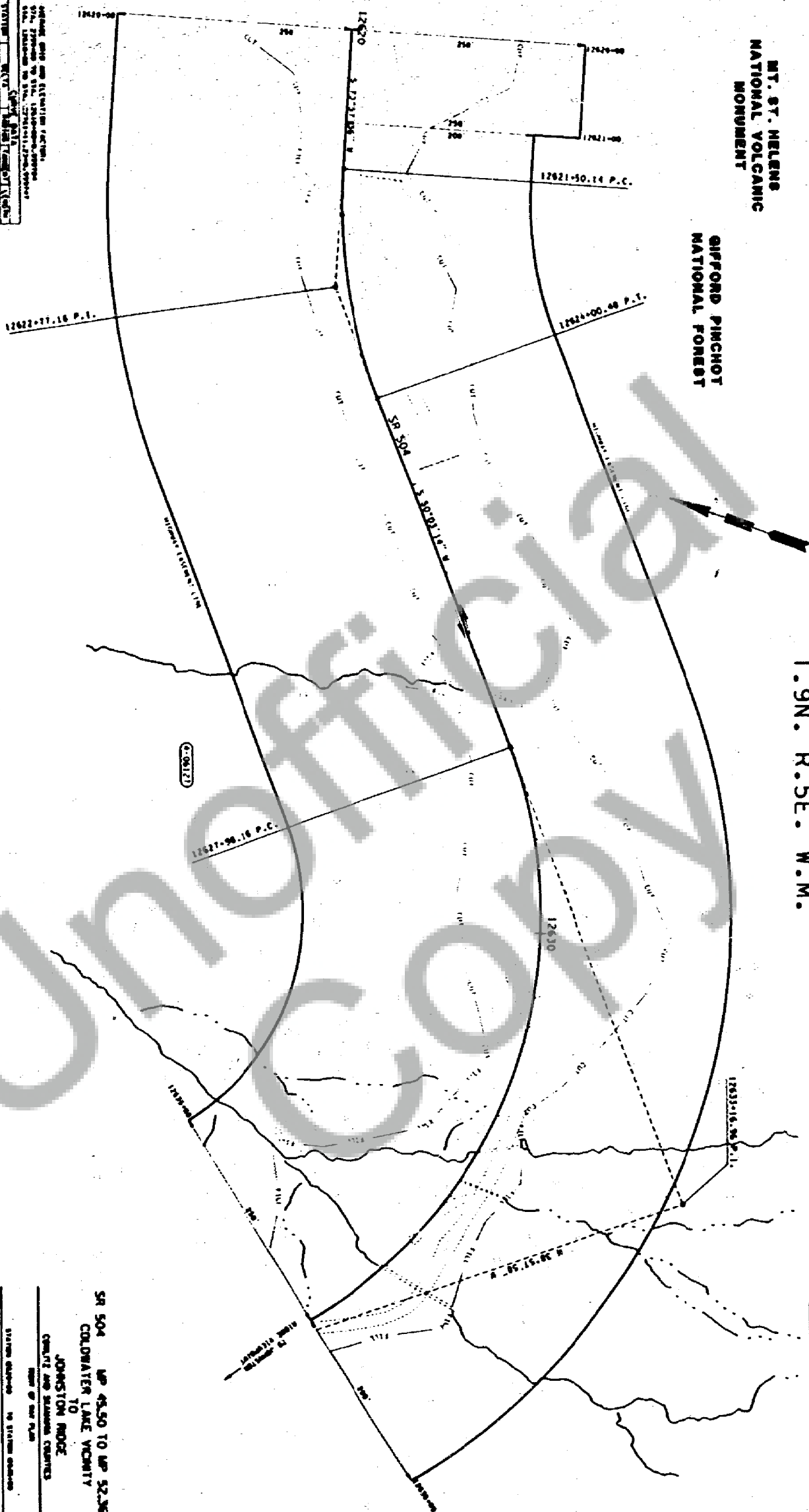


EXHIBIT "A"

SR 504 MP 43.50 TO MP 52.36  
COLDWATER LAKE VICINITY

TO  
JOHNSTON RIDGE  
MOUNTAIN AND SALTWORK COUNCIL

**2**

021700 0410-00 10 014700 0000-00

**Dr. Peter, Dattani**

張其成

五

...

五

五、



11

**PLAN**

---

✕

1

1



**MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT**

T.9N. R.5E. W.M.

EXHIBIT "A"

SR 504 NP 45.50 TO NP 52.36  
COLDWATER LAKE VICINITY

**JOHNSTON RIDGE  
CONSULT AND TRAINING COMPANY**

### History of the Project

DATE RECD: 70 01/19/68

### 1. **Q. What is the purpose of the study?**

1

7



100

10

—



100

**1**

Figure 1

**19**

10

100

|      |    |          |
|------|----|----------|
| DATE | BY | REVISION |
|      |    |          |
|      |    |          |

|      |    |          |
|------|----|----------|
| DATE | BY | REVISION |
|      |    |          |
|      |    |          |

BOOK 136 PAGE 223

V1149 P0205

T.9N. R.5E. W.M.

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

GIFFORD PINCHOT  
NATIONAL FOREST

|      |    |          |
|------|----|----------|
| DATE | BY | REVISION |
|      |    |          |
|      |    |          |

RECORD AND REVISION SECTION  
AS APPLIED TO THE 100-000-000  
AND 100-000-000  
AND 100-000-000

|      |    |          |
|------|----|----------|
| DATE | BY | REVISION |
|      |    |          |
|      |    |          |

OWNERSHIPS

LEGEND

(C-5012)

(C-5012)

EXHIBIT "A"

SR 504 MP 45.50 TO MP 52.35  
COLDWATER LAKE VICINITY  
TO  
JOHNSON RIDGE  
COLUMBIA AND BRADDOCK CREEKS



STATE OF IDAHO  
DEPARTMENT OF LAND AND WATER  
DIVISION OF LAND MANAGEMENT  
BOISE, IDAHO

APPROVED FOR THE  
STATE OF IDAHO  
BY  
JANUARY 1980

930621080

|      |    |         |
|------|----|---------|
| DATE | BY | REMARKS |
|      |    |         |
|      |    |         |

|      |    |         |
|------|----|---------|
| DATE | BY | REMARKS |
|      |    |         |
|      |    |         |

BOOK 136 PAGE 224

V1149 P0206

T.9N. R.5E. W.M.

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

GIFFORD PINCHOT  
NATIONAL FOREST

|      |    |         |
|------|----|---------|
| DATE | BY | REMARKS |
|      |    |         |
|      |    |         |

NOTED: THIS MAP IS A REPRODUCTION OF THE ORIGINAL MAP ON FILE IN THE BUREAU OF LAND MANAGEMENT, U.S. DEPARTMENT OF THE INTERIOR, WASHINGTON, D.C. 20001.

|       |       |      |    |         |
|-------|-------|------|----|---------|
| OWNER | ACRES | DATE | BY | REMARKS |
|       |       |      |    |         |
|       |       |      |    |         |

OWNERSHIPS

LEGEND

EXHIBIT "A"

12649-00  
12649-29.55 P.L.

12647-45.86 P.C.

12650-00.18 P.T.

|      |    |         |
|------|----|---------|
| DATE | BY | REMARKS |
|      |    |         |
|      |    |         |

SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY  
TO  
JOHNSTON RIDGE  
CREATING AND EXAMINING COASTERS  
MAP OF THE AREA  
STATE OF IDAHO IN STATE OF IDAHO  
EXAMINATION STATE DEPARTMENT OF LAND MANAGEMENT  
BY: [Signature]  
NOTARY



APPROVED BY: [Signature]  
DATE: 10/10/00

930621080

PL0121

BOOK 136 PAGE 225

V1149 P0207

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT

GIFFORD PINCHOT  
NATIONAL FOREST

T. 9N. R. 5E. W. 4M.

| OWNER           | ACRES | DATE | REMARKS                       |
|-----------------|-------|------|-------------------------------|
| JOHNSTON, R. J. | 12.00 | 1964 | 12.00 AC. 12.00 AC. 12.00 AC. |
| JOHNSTON, R. J. | 12.00 | 1964 | 12.00 AC. 12.00 AC. 12.00 AC. |
| JOHNSTON, R. J. | 12.00 | 1964 | 12.00 AC. 12.00 AC. 12.00 AC. |
| JOHNSTON, R. J. | 12.00 | 1964 | 12.00 AC. 12.00 AC. 12.00 AC. |
| JOHNSTON, R. J. | 12.00 | 1964 | 12.00 AC. 12.00 AC. 12.00 AC. |
| JOHNSTON, R. J. | 12.00 | 1964 | 12.00 AC. 12.00 AC. 12.00 AC. |
| JOHNSTON, R. J. | 12.00 | 1964 | 12.00 AC. 12.00 AC. 12.00 AC. |
| JOHNSTON, R. J. | 12.00 | 1964 | 12.00 AC. 12.00 AC. 12.00 AC. |
| JOHNSTON, R. J. | 12.00 | 1964 | 12.00 AC. 12.00 AC. 12.00 AC. |
| JOHNSTON, R. J. | 12.00 | 1964 | 12.00 AC. 12.00 AC. 12.00 AC. |

OWNERSHIPS

LEGEND

EXHIBIT "A"



STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
BUREAU OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.50  
COLDWATER LAKE VICINITY  
JOHNSTON RIDGE  
BLAINE AND STANBUSH COUNTIES  
COUNTY OF BLAINE

20 SEP-1972  
ZCZC:111500Z 19021000Z 00011  
BT

PL 0127

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

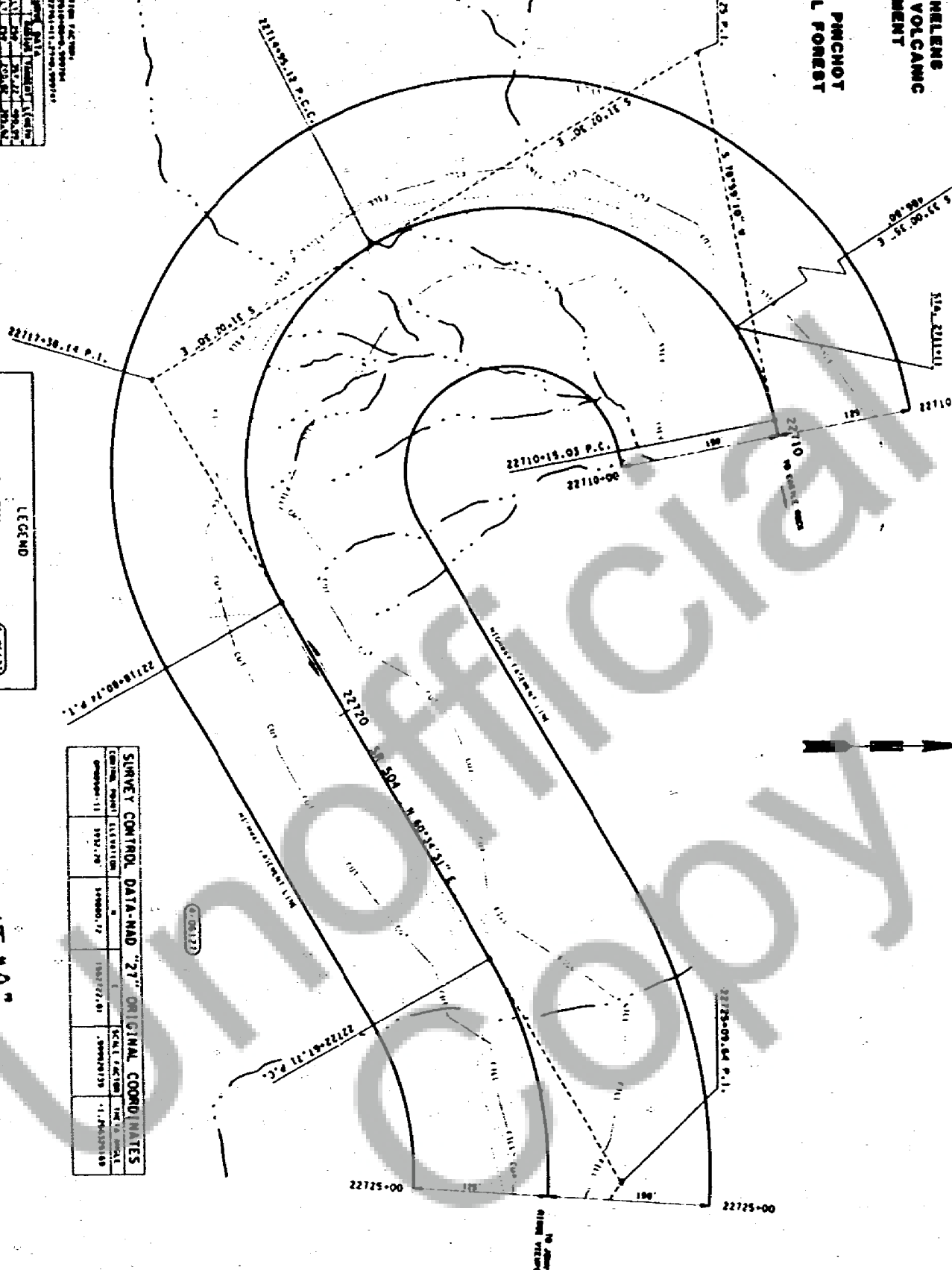
|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

MT. ST. HELENS  
NATIONAL VOLCANIC  
MONUMENT  
GIFFORD PINCHOT  
NATIONAL FOREST

PROCESS CARD 51  
IN CONNECTION

ALL 49 P0208

T.9N. R.5E. W.M.



| Coping Data    |      |         |               |
|----------------|------|---------|---------------|
| D.I. Situation | N.A. | Revised | Median (60th) |
| 2000-00-01     | 100  | 75.72   | 90.00         |
| 2000-00-02     | 100  | 75.72   | 90.00         |
| 2000-00-03     | 100  | 75.72   | 90.00         |
| 2000-00-04     | 100  | 75.72   | 90.00         |
| 2000-00-05     | 100  | 75.72   | 90.00         |
| 2000-00-06     | 100  | 75.72   | 90.00         |
| 2000-00-07     | 100  | 75.72   | 90.00         |
| 2000-00-08     | 100  | 75.72   | 90.00         |
| 2000-00-09     | 100  | 75.72   | 90.00         |
| 2000-00-10     | 100  | 75.72   | 90.00         |
| 2000-00-11     | 100  | 75.72   | 90.00         |
| 2000-00-12     | 100  | 75.72   | 90.00         |
| 2000-00-13     | 100  | 75.72   | 90.00         |
| 2000-00-14     | 100  | 75.72   | 90.00         |
| 2000-00-15     | 100  | 75.72   | 90.00         |
| 2000-00-16     | 100  | 75.72   | 90.00         |
| 2000-00-17     | 100  | 75.72   | 90.00         |
| 2000-00-18     | 100  | 75.72   | 90.00         |
| 2000-00-19     | 100  | 75.72   | 90.00         |
| 2000-00-20     | 100  | 75.72   | 90.00         |
| 2000-00-21     | 100  | 75.72   | 90.00         |
| 2000-00-22     | 100  | 75.72   | 90.00         |
| 2000-00-23     | 100  | 75.72   | 90.00         |
| 2000-00-24     | 100  | 75.72   | 90.00         |
| 2000-00-25     | 100  | 75.72   | 90.00         |
| 2000-00-26     | 100  | 75.72   | 90.00         |
| 2000-00-27     | 100  | 75.72   | 90.00         |
| 2000-00-28     | 100  | 75.72   | 90.00         |
| 2000-00-29     | 100  | 75.72   | 90.00         |
| 2000-00-30     | 100  | 75.72   | 90.00         |
| 2000-00-31     | 100  | 75.72   | 90.00         |
| 2000-00-32     | 100  | 75.72   | 90.00         |
| 2000-00-33     | 100  | 75.72   | 90.00         |
| 2000-00-34     | 100  | 75.72   | 90.00         |
| 2000-00-35     | 100  | 75.72   | 90.00         |
| 2000-00-36     | 100  | 75.72   | 90.00         |
| 2000-00-37     | 100  | 75.72   | 90.00         |
| 2000-00-38     | 100  | 75.72   | 90.00         |
| 2000-00-39     | 100  | 75.72   | 90.00         |
| 2000-00-40     | 100  | 75.72   | 90.00         |
| 2000-00-41     | 100  | 75.72   | 90.00         |
| 2000-00-42     | 100  | 75.72   | 90.00         |
| 2000-00-43     | 100  | 75.72   | 90.00         |
| 2000-00-44     | 100  | 75.72   | 90.00         |
| 2000-00-45     | 100  | 75.72   | 90.00         |
| 2000-00-46     | 100  | 75.72   | 90.00         |
| 2000-00-47     | 100  | 75.72   | 90.00         |
| 2000-00-48     | 100  | 75.72   | 90.00         |
| 2000-00-49     | 100  | 75.72   | 90.00         |
| 2000-00-50     | 100  | 75.72   | 90.00         |
| 2000-00-51     | 100  | 75.72   | 90.00         |
| 2000-00-52     | 100  | 75.72   | 90.00         |
| 2000-00-53     | 100  | 75.72   | 90.00         |
| 2000-00-54     | 100  | 75.72   | 90.00         |
| 2000-00-55     | 100  | 75.72   | 90.00         |
| 2000-00-56     | 100  | 75.72   | 90.00         |
| 2000-00-57     | 100  | 75.72   | 90.00         |
| 2000-00-58     | 100  | 75.72   | 90.00         |
| 2000-00-59     | 100  | 75.72   | 90.00         |
| 2000-00-60     | 100  | 75.72   | 90.00         |
| 2000-00-61     | 100  | 75.72   | 90.00         |
| 2000-00-62     | 100  | 75.72   | 90.00         |
| 2000-00-63     | 100  | 75.72   | 90.00         |
| 2000-00-64     | 100  | 75.72   | 90.00         |
| 2000-00-65     | 100  | 75.72   | 90.00         |
| 2000-00-66     | 100  | 75.72   | 90.00         |
| 2000-00-67     | 100  | 75.72   | 90.00         |
| 2000-00-68     | 100  | 75.72   | 90.00         |
| 2000-00-69     | 100  | 75.72   | 90.00         |
| 2000-00-70     | 100  | 75.72   | 90.00         |
| 2000-00-71     | 100  | 75.72   | 90.00         |
| 2000-00-72     | 100  | 75.72   | 90.00         |
| 2000-00-73     | 100  | 75.72   | 90.00         |
| 2000-00-74     | 100  | 75.72   | 90.00         |
| 2000-00-75     | 10   |         |               |

ARTWORK GRID AND ILLUSTRATION FAC. 7001  
VIA. 7700-00 TO VIA. 17014-00-0. 770704  
VIA. 17000-00 TO VIA. 17014-01. 77000. 770705

22717-30.14 P.1.

22710-15.05 P.C.

22710 - 22711

LECMC

0-96121

EXHIBIT "A"

| SURVEY CONTROL DATA-MAD "27" ORIGINAL COORDINATES |           |              |                 |
|---------------------------------------------------|-----------|--------------|-----------------|
| CRINAL POINT                                      | ELEVATION | SCALE FACTOR | TIME TO INSTALL |
| 000000-11                                         | 100000.72 | 1.000727-01  | 11/24/50-00     |
| 000000-11                                         | 100000.72 | 1.000727-01  | 11/24/50-00     |

SR 504 MP 45.50 TO MP 52.56

COLDWATER LAKE VICINITY  
TO

**JOHNSTON RIDGE**

**REPORT OF THE PLAN**

74001 47700-00 10 5147000 4775-00

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 08-14-2010 BY 60322  
UCBAW/BJA/STP

SECRET



11-14-1964

|    |        |             |
|----|--------|-------------|
| 10 | 000000 | 00-00000000 |
|----|--------|-------------|

930624080

PL0123

|      |    |
|------|----|
| DATE | BY |
|      |    |

|      |    |
|------|----|
| DATE | BY |
|      |    |

BOOK 136 PAGE 227

V1149 P0209

EXHIBIT "A"

T.9N. R.5E. W.M.

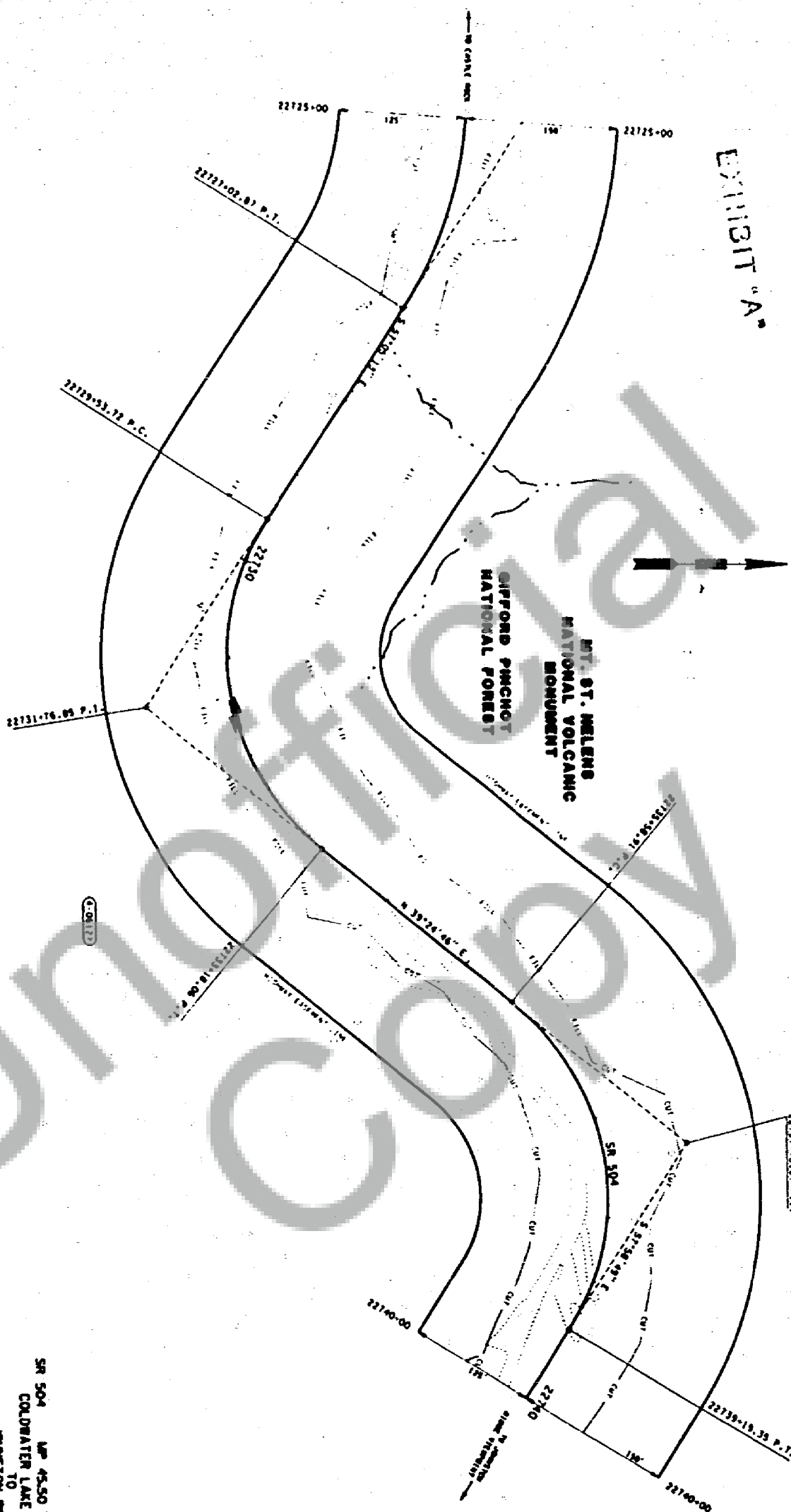


EXHIBIT "A"

LEGEND

(C-0812)



STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
DIVISION OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY  
TO  
JOHNSTON RIDGE  
COUNTY AND BUREAU OF LAND  
MANAGEMENT

|      |    |
|------|----|
| DATE | BY |
|      |    |

APPROVED FOR THE STATE OF IDAHO  
BY THE DEPARTMENT OF LAND AND MINES  
ON 10/11/1991

OWNERSHIPS

LEGEND

(C-0812)

STATE OF IDAHO  
DEPARTMENT OF LAND  
AND MINES  
DIVISION OF LAND  
MANAGEMENT

SR 504 MP 45.50 TO MP 52.36  
COLDWATER LAKE VICINITY  
TO  
JOHNSTON RIDGE  
COUNTY AND BUREAU OF LAND  
MANAGEMENT

