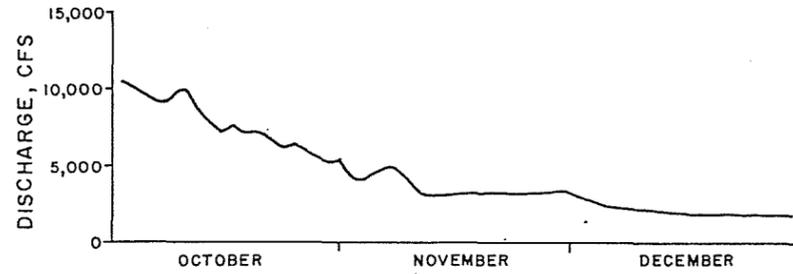
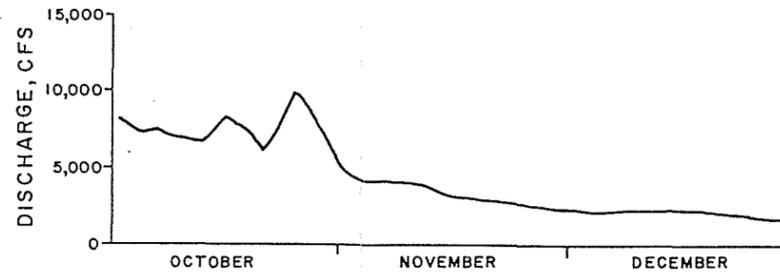


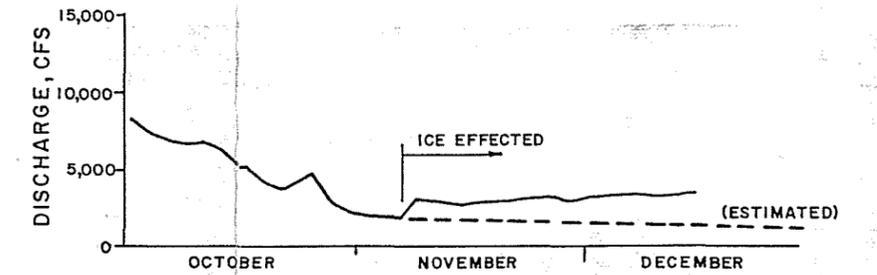
1980 USGS STREAMFLOW RECORD
GOLD CREEK



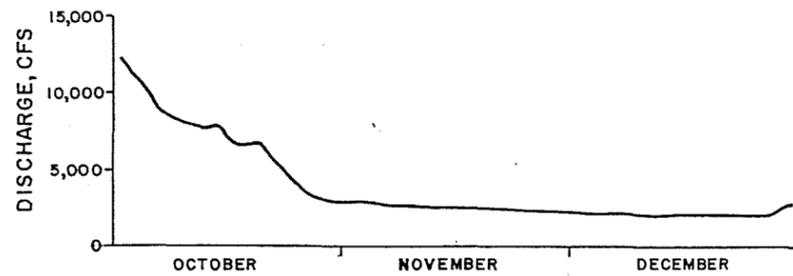
1981 USGS STREAMFLOW RECORD
GOLD CREEK



1984 R&M CONSULTANTS STREAMFLOW RECORD
GOLD CREEK
(BASED ON WIRE WEIGHT READINGS)



1982 USGS STREAMFLOW RECORD
GOLD CREEK



1983 R&M CONSULTANTS STREAMFLOW RECORD
GOLD CREEK
(BASED ON WIRE WEIGHT READINGS)

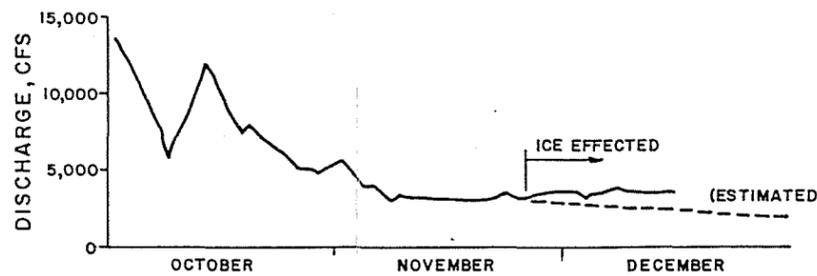


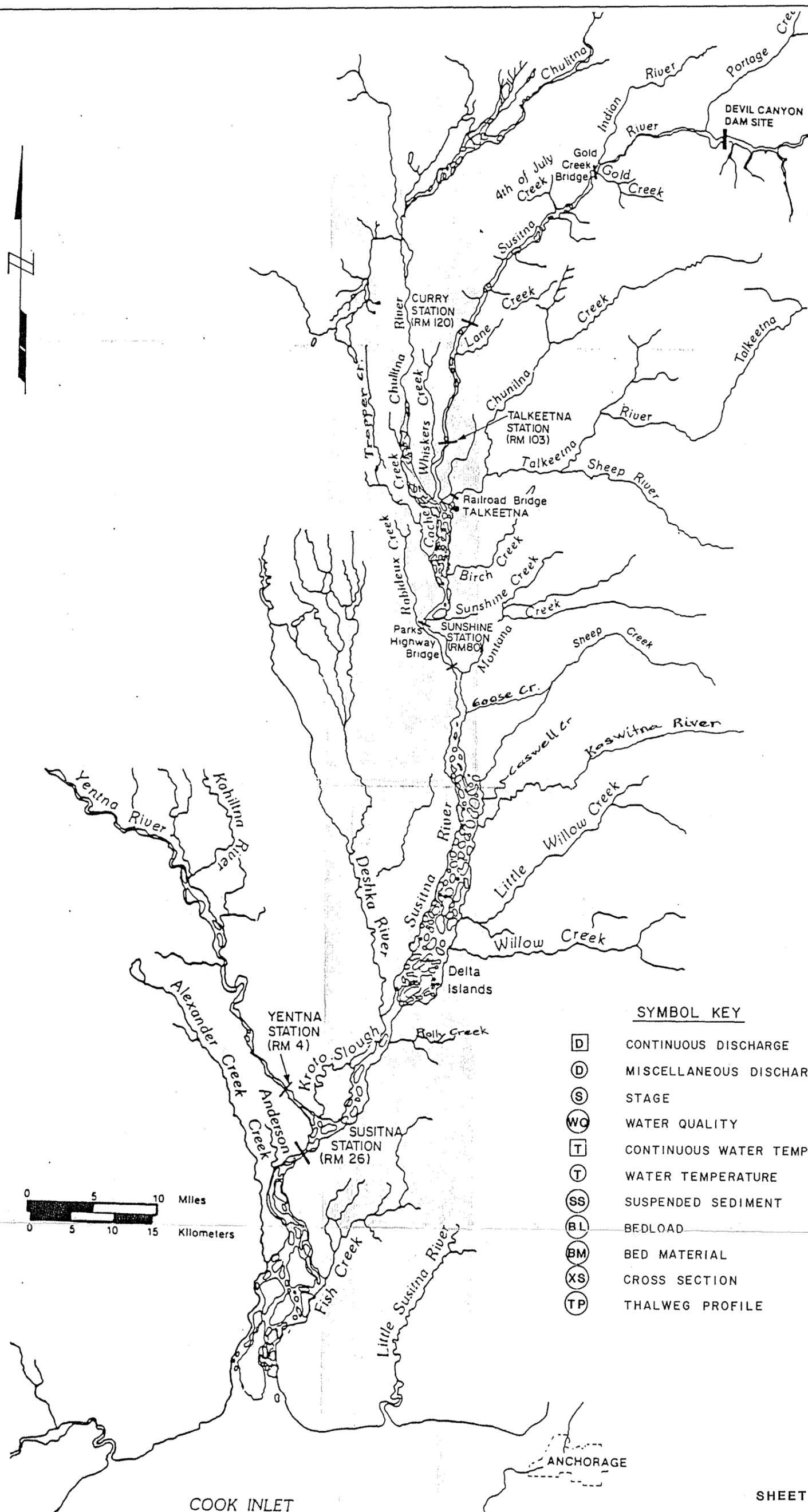
FIGURE 3.1

SUSITNA RIVER ICE PROCESSES

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

PREPARED BY:
R&M
R&M CONSULTANTS, INC.
REGISTERED PROFESSIONAL ENGINEERS

PREPARED FOR:
HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- (D)** CONTINUOUS DISCHARGE
- (D)** MISCELLANEOUS DISCHARGE
- (S)** STAGE
- (WC)** WATER QUALITY
- (T)** CONTINUOUS WATER TEMPERATURE
- (T)** WATER TEMPERATURE
- (SS)** SUSPENDED SEDIMENT
- (BL)** BEDLOAD
- (BM)** BED MATERIAL
- (XS)** CROSS SECTION
- (TP)** THALWEG PROFILE

COOK INLET

SHEET 1 OF 28

PREPARED BY:



LOCATION MAP

PREPARED FOR:

HARZA-EBASCO

SUSITNA JOINT VENTURE



SYMBOL KEY

- D CONTINUOUS DISCHARGE
- D MISCELLANEOUS DISCHARGE
- S STAGE
- WC WATER QUALITY
- T CONTINUOUS WATER TEMPERATURE

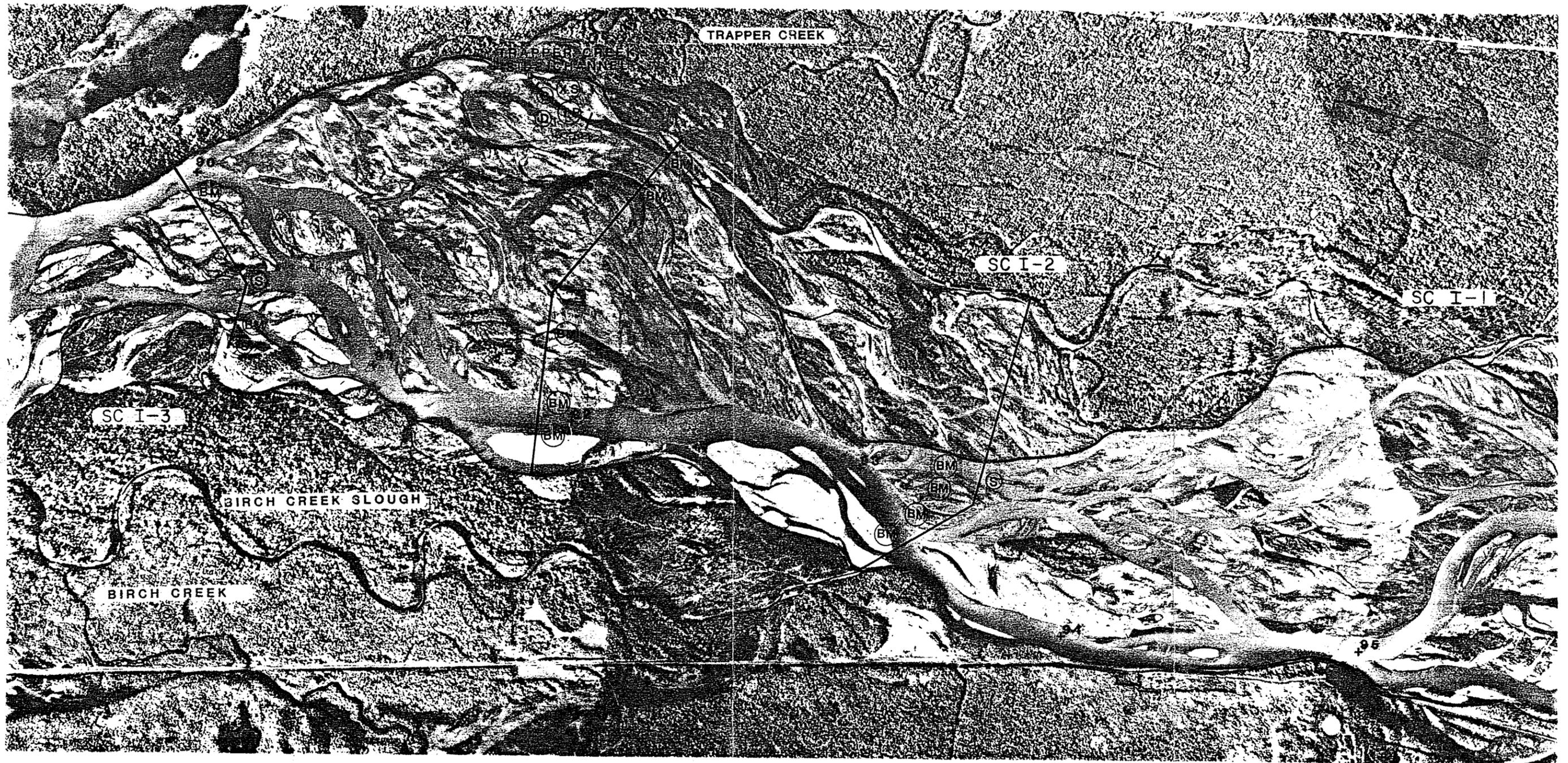
- T WATER TEMPERATURE
- SS SUSPENDED SEDIMENT
- BL BEDLOAD
- BM BED MATERIAL
- XS CROSS SECTION
- TP THALWEG PROFILE

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY: SEPT. 16, 1983
SCALE: 1" = 2000'
SHEET: 2 OF 28
DATE: 2-7-84





SYMBOL KEY

- D** CONTINUOUS DISCHARGE
- D** MISCELLANEOUS DISCHARGE
- S** STAGE
- WC** WATER QUALITY
- T** CONTINUOUS WATER TEMPERATURE

- T** WATER TEMPERATURE
- SS** SUSPENDED SEDIMENT
- BL** BEDLOAD
- BM** BED MATERIAL
- XS** CROSS SECTION
- TP** THALWEG PROFILE

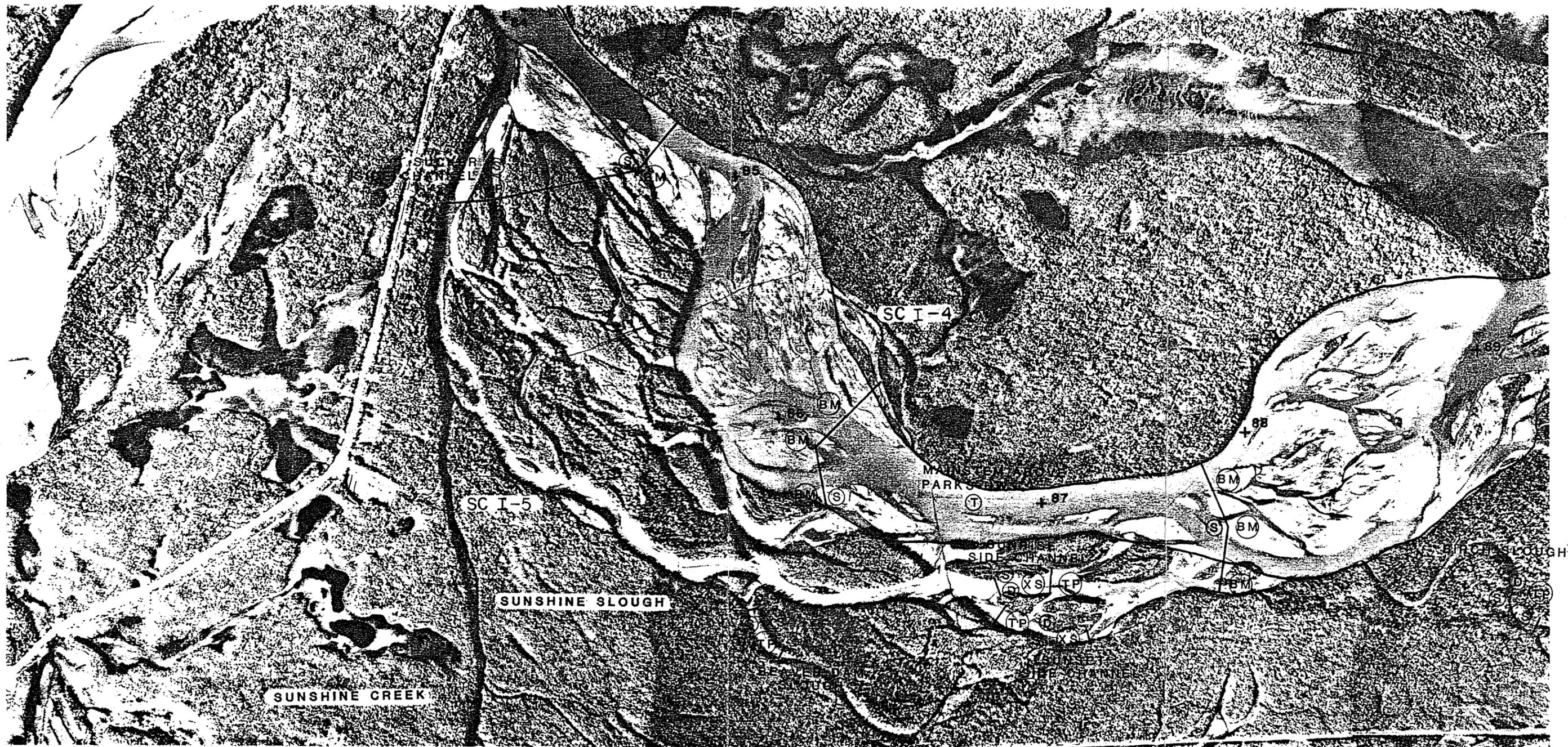
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 3 OF 28
DATE: 2-7-84

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HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- D CONTINUOUS DISCHARGE
- D MISCELLANEOUS DISCHARGE
- S STAGE
- WC WATER QUALITY
- T CONTINUOUS WATER TEMPERATURE

- T WATER TEMPERATURE
- SS SUSPENDED SEDIMENT
- BL BEDLOAD
- BM BED MATERIAL
- XS CROSS SECTION
- TP THALWEG PROFILE

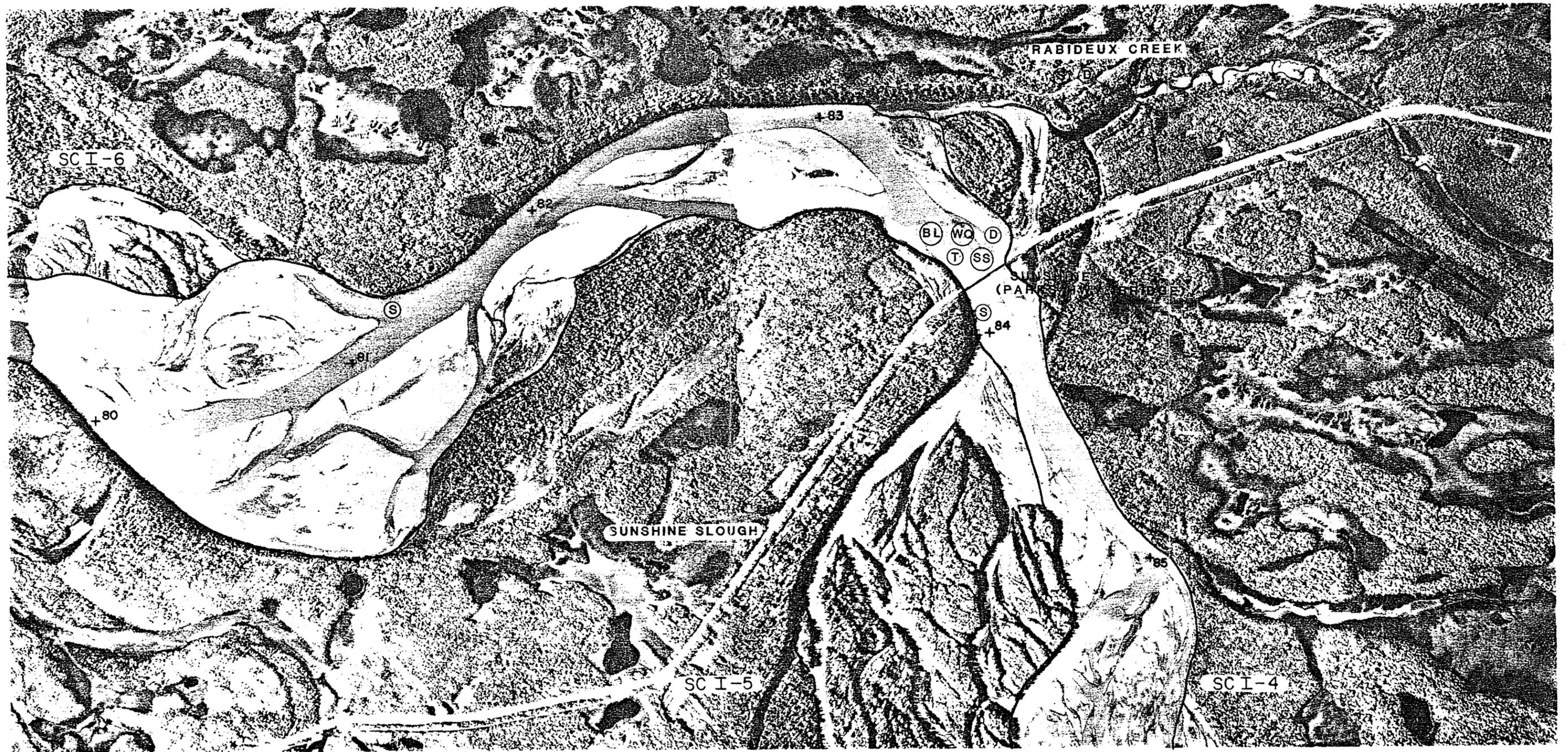
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000'
SHEET: 4 OF 28
DATE: 2-7-84

PSM
R.E.M. CONSULTANTS, INC.

MARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- CONTINUOUS DISCHARGE
- MISCELLANEOUS DISCHARGE
- STAGE
- WC WATER QUALITY
- T CONTINUOUS WATER TEMPERATURE

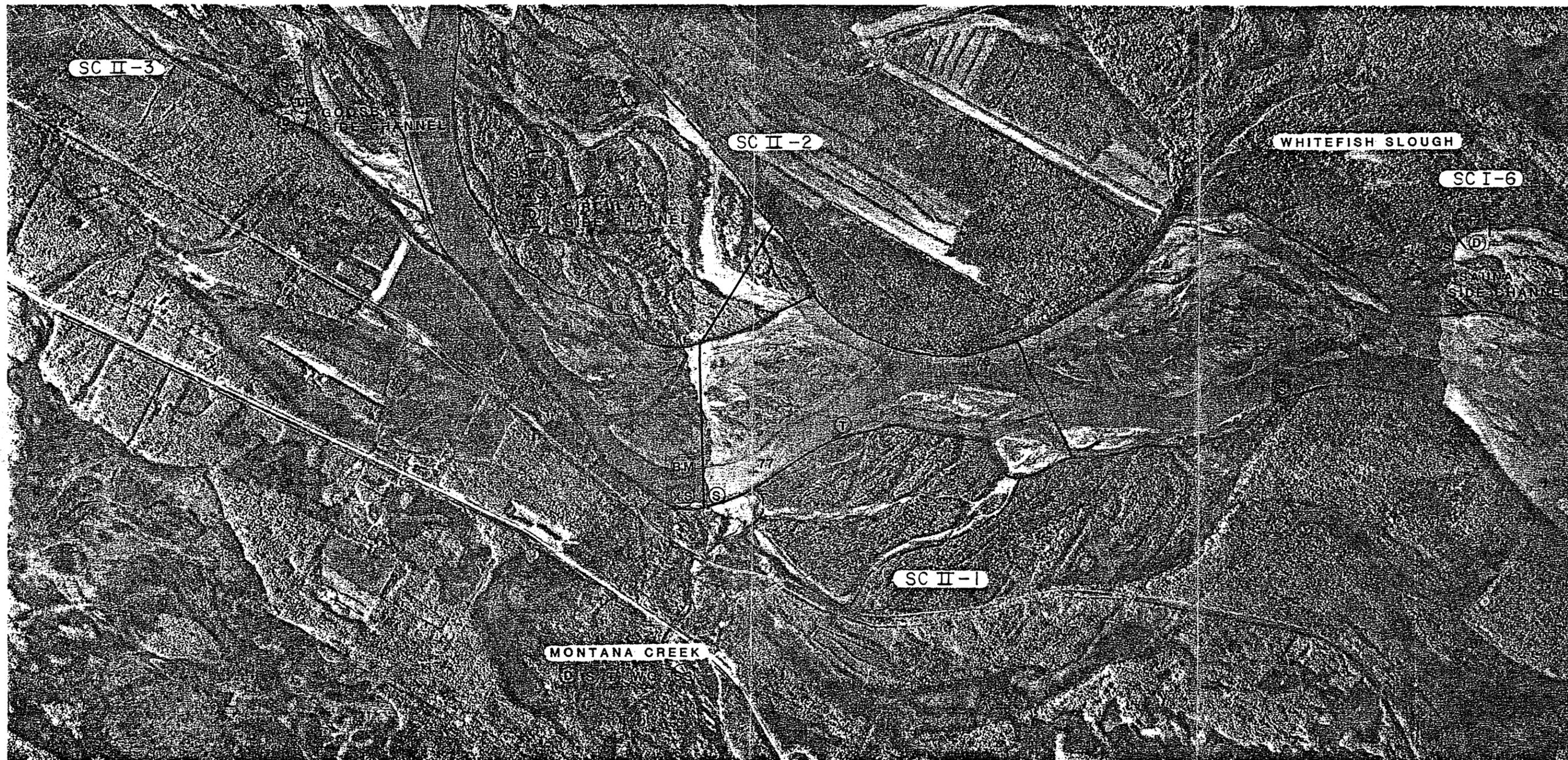
- T WATER TEMPERATURE
- SS SUSPENDED SEDIMENT
- BL BEDLOAD
- BM BED MATERIAL
- XS CROSS SECTION
- TP THALWEG PROFILE

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER
DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 5 OF 28
DATE: 2-7-84

RSM
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HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- ⓓ CONTINUOUS DISCHARGE
- Ⓧ MISCELLANEOUS DISCHARGE
- Ⓢ STAGE
- ⓌⓈ WATER QUALITY
- Ⓣ CONTINUOUS WATER TEMPERATURE

- Ⓣ WATER TEMPERATURE
- ⓈⓈ SUSPENDED SEDIMENT
- ⓁⓈ BEDLOAD
- ⓁⓈ BED MATERIAL
- ⓍⓈ CROSS SECTION
- ⓉⓈ THALWEG PROFILE

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

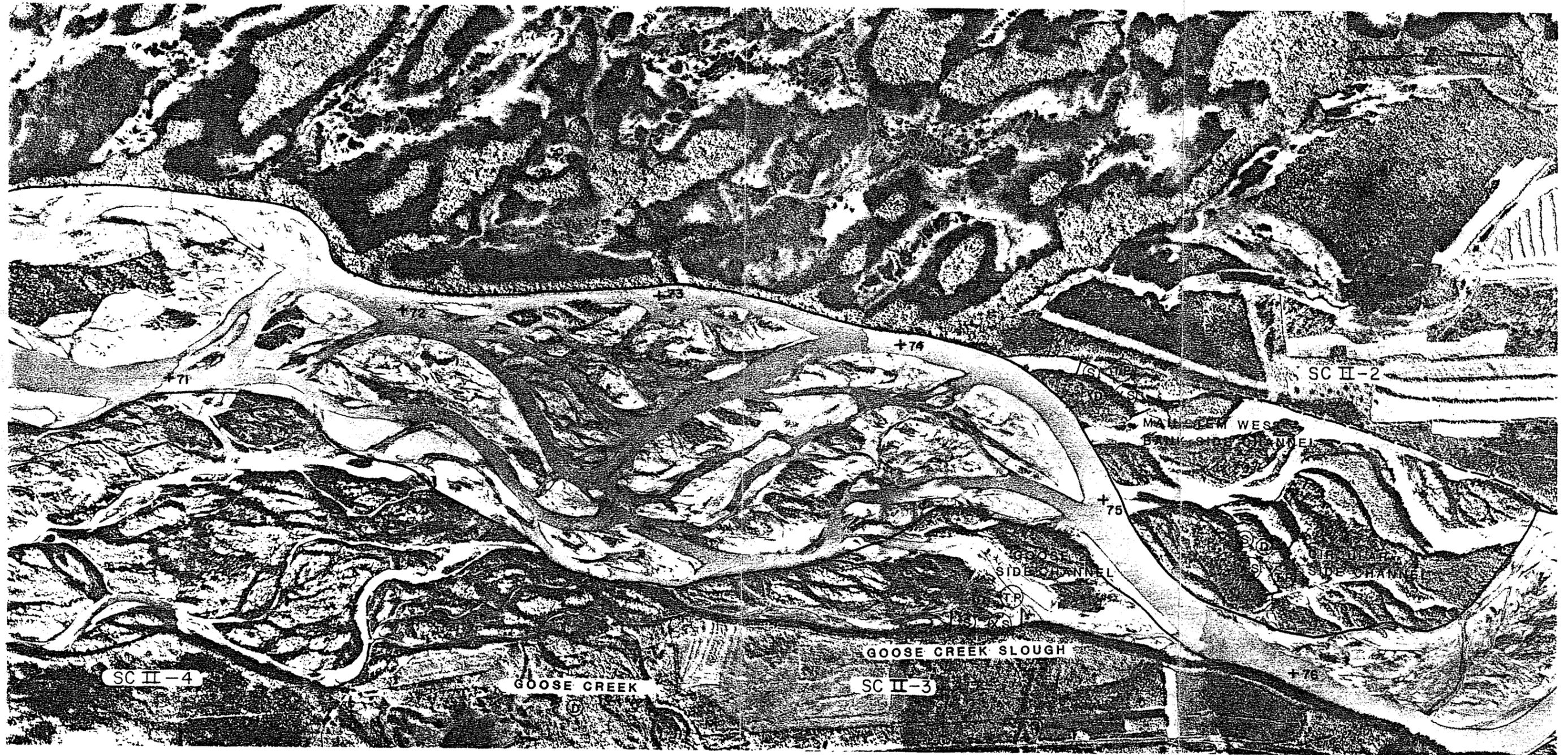
LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000'

SHEET: 6 OF 28
DATE: 2-7-84

PSM
PSM CONSULTANTS INC.

HARZA-EDASCO
SUSITNA JOINT VENTURE

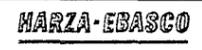


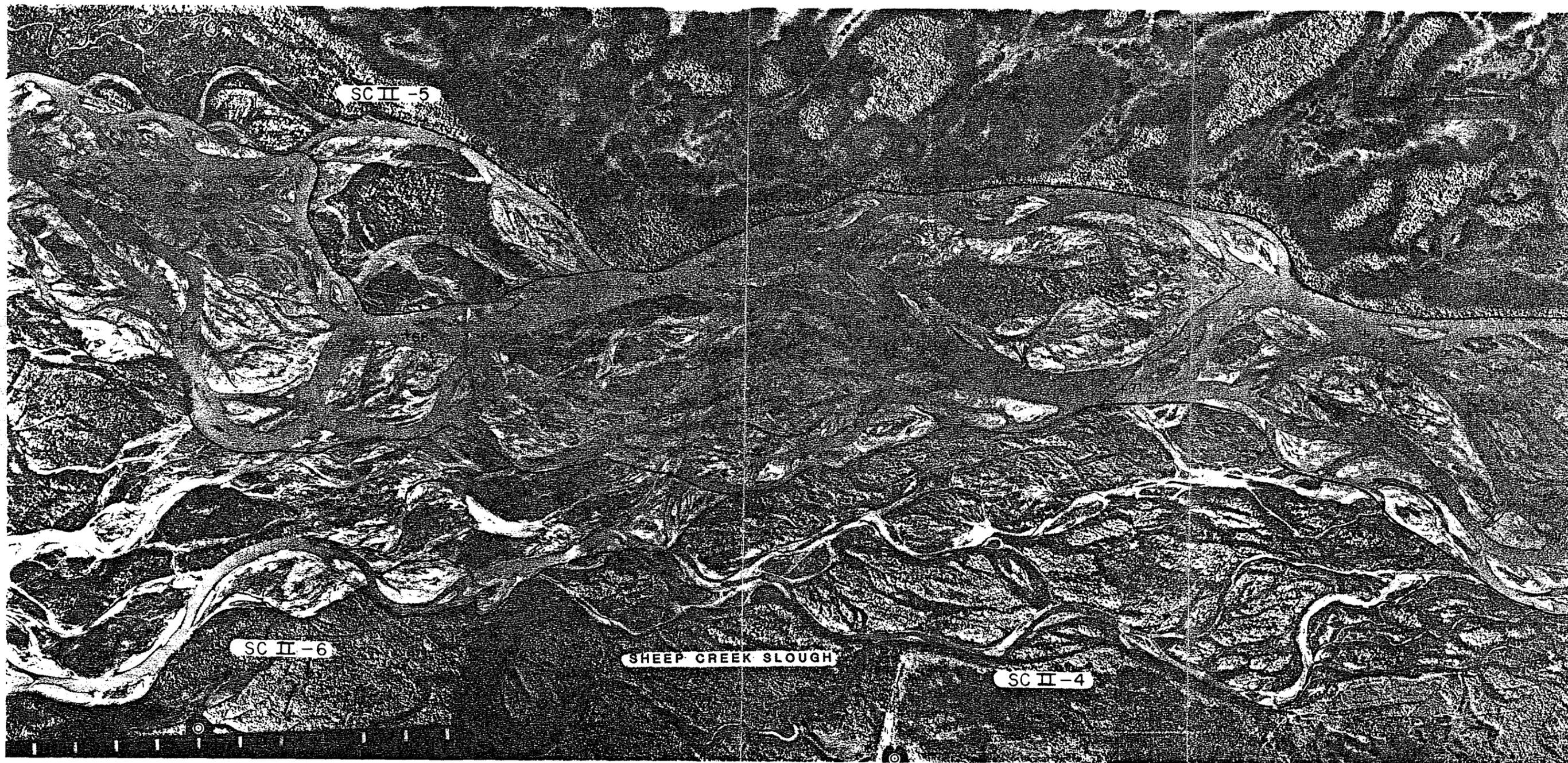
SYMBOL KEY

- | | |
|---|--|
| <ul style="list-style-type: none"> D CONTINUOUS DISCHARGE ⊙ MISCELLANEOUS DISCHARGE ⊙ STAGE WC WATER QUALITY T CONTINUOUS WATER TEMPERATURE | <ul style="list-style-type: none"> ⊙ WATER TEMPERATURE SS SUSPENDED SEDIMENT BL BEDLOAD BM BED. MATERIAL XS CROSS SECTION TP THALWEG PROFILE |
|---|--|

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER
DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 7 OF 28
DATE: 2-7-84

 <small>PSM CONSULTANTS, INC.</small>	 <small>MARZA-EBASCO SUSITNA JOINT VENTURE</small>
---	--



SYMBOL KEY

- D CONTINUOUS DISCHARGE
- D MISCELLANEOUS DISCHARGE
- S STAGE
- WC WATER QUALITY
- T CONTINUOUS WATER TEMPERATURE

- T WATER TEMPERATURE
- SS SUSPENDED SEDIMENT
- BL BEDLOAD
- BM BED MATERIAL
- XS CROSS SECTION
- TP THALWEG PROFILE

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 8 OF 28
DATE: 2-7-84

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MARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

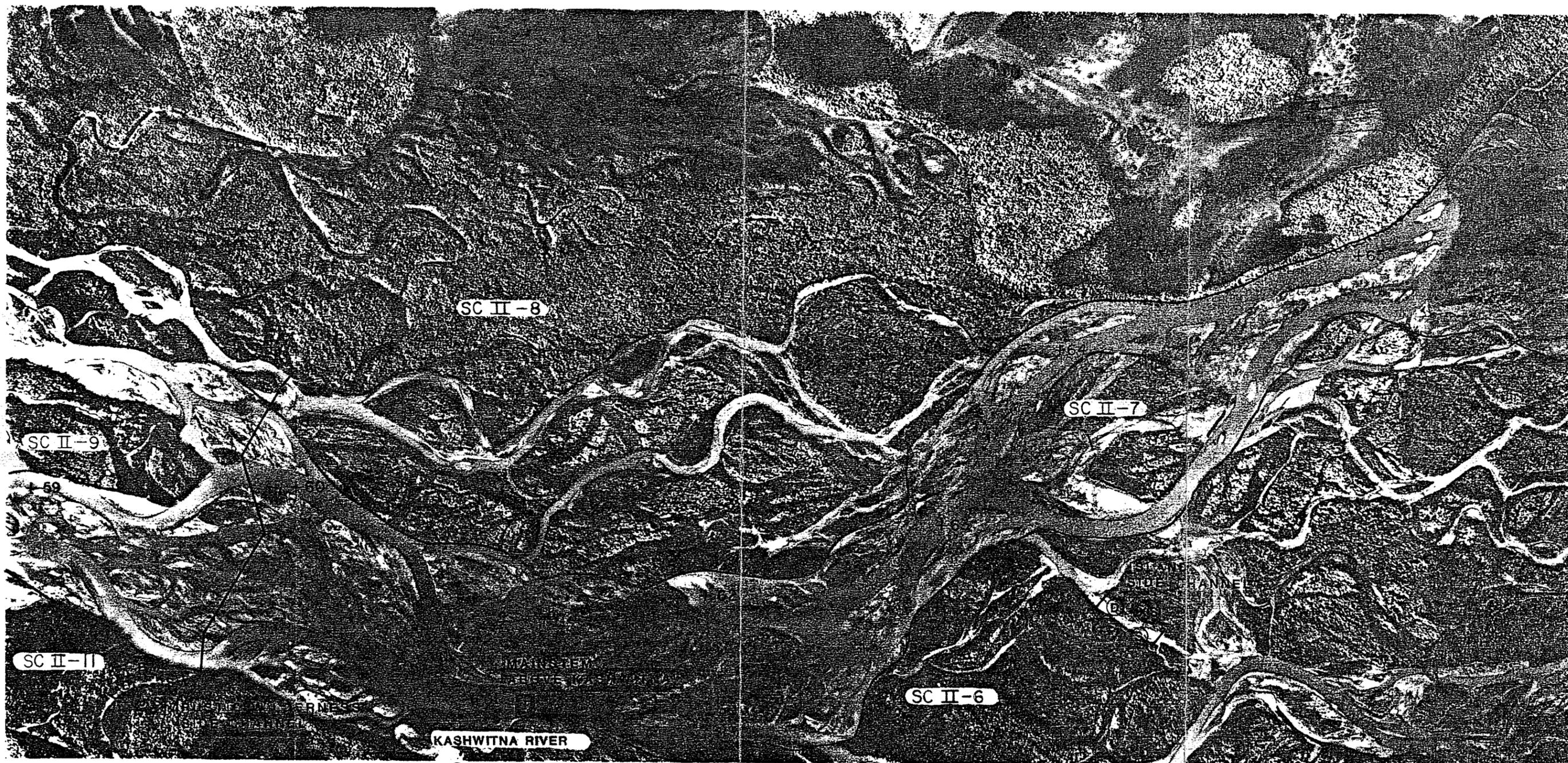
- | | | | |
|-----------|------------------------------|-----------|--------------------|
| D | CONTINUOUS DISCHARGE | T | WATER TEMPERATURE |
| D | MISCELLANEOUS DISCHARGE | SS | SUSPENDED SEDIMENT |
| S | STAGE | BL | BEDLOAD |
| WC | WATER QUALITY | BM | 'BED' MATERIAL |
| T | CONTINUOUS WATER TEMPERATURE | XS | CROSS SECTION |
| | | TP | THALWEG PROFILE |

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER
DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 9 OF 28
DATE: 2-7-84



HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- | | | | |
|-----------|------------------------------|-----------|--------------------|
| D | CONTINUOUS DISCHARGE | T | WATER TEMPERATURE |
| D | MISCELLANEOUS DISCHARGE | SS | SUSPENDED SEDIMENT |
| S | STAGE | BL | BEDLOAD |
| WC | WATER QUALITY | BM | BED MATERIAL |
| T | CONTINUOUS WATER TEMPERATURE | XS | CROSS SECTION |
| | | TP | THALWEG PROFILE |

CASWELL CREEK

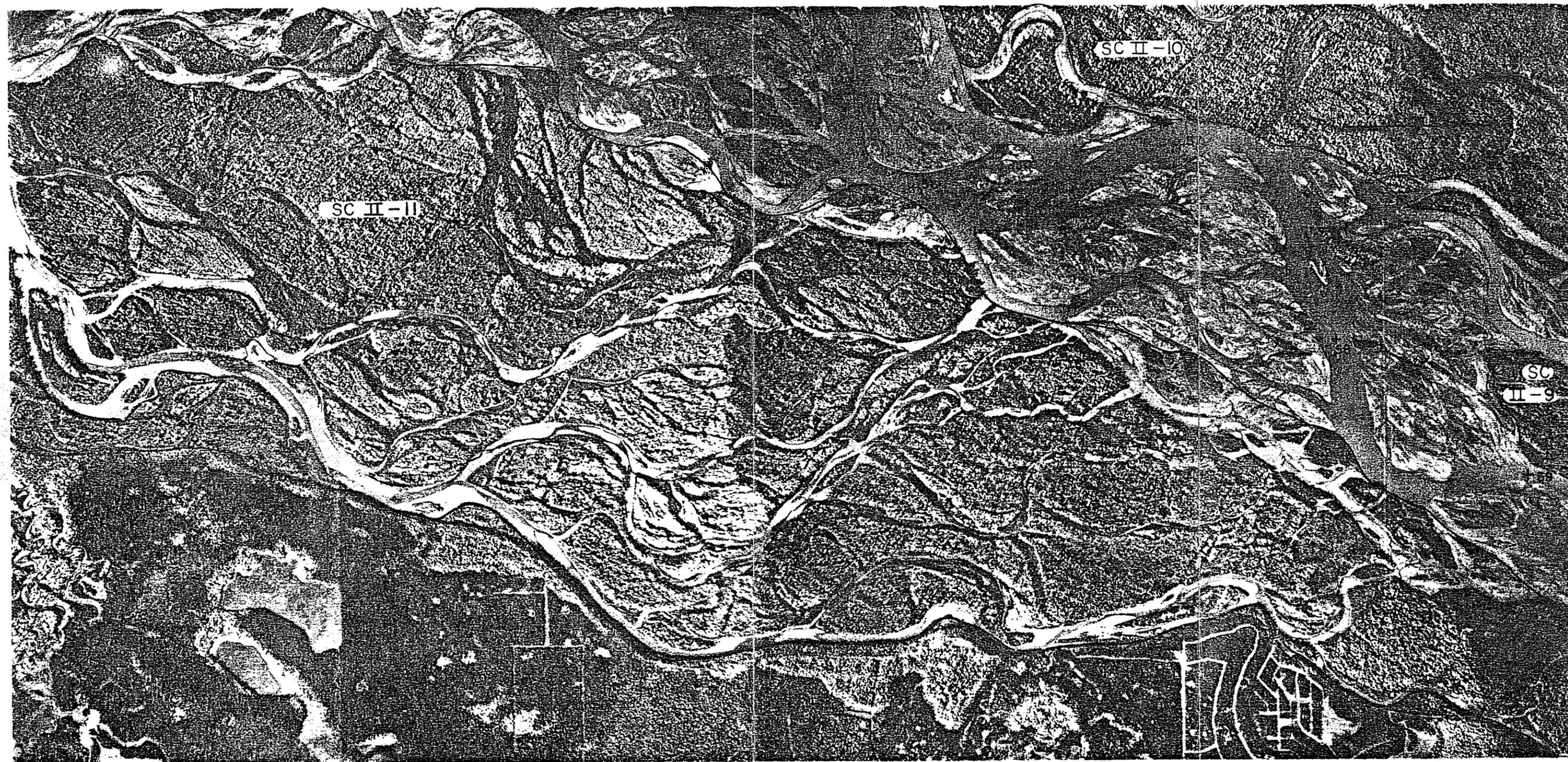
- S**
- TP**
- D**
- XS**

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER
DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000'
SHEET: 10 OF 28
DATE: 2-7-84

PSM
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HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- | | |
|---|---|
| <p>ⓓ CONTINUOUS DISCHARGE</p> <p>ⓓ MISCELLANEOUS DISCHARGE</p> <p>Ⓢ STAGE</p> <p>ⓌⓈ WATER QUALITY</p> <p>Ⓣ CONTINUOUS WATER TEMPERATURE</p> | <p>Ⓣ WATER TEMPERATURE</p> <p>ⓈⓈ SUSPENDED SEDIMENT</p> <p>ⓅⓁ BEDLOAD</p> <p>ⓅⓂ BED. MATERIAL</p> <p>ⓃⓈ CROSS SECTION</p> <p>ⓉⓅ THALWEG PROFILE</p> |
|---|---|

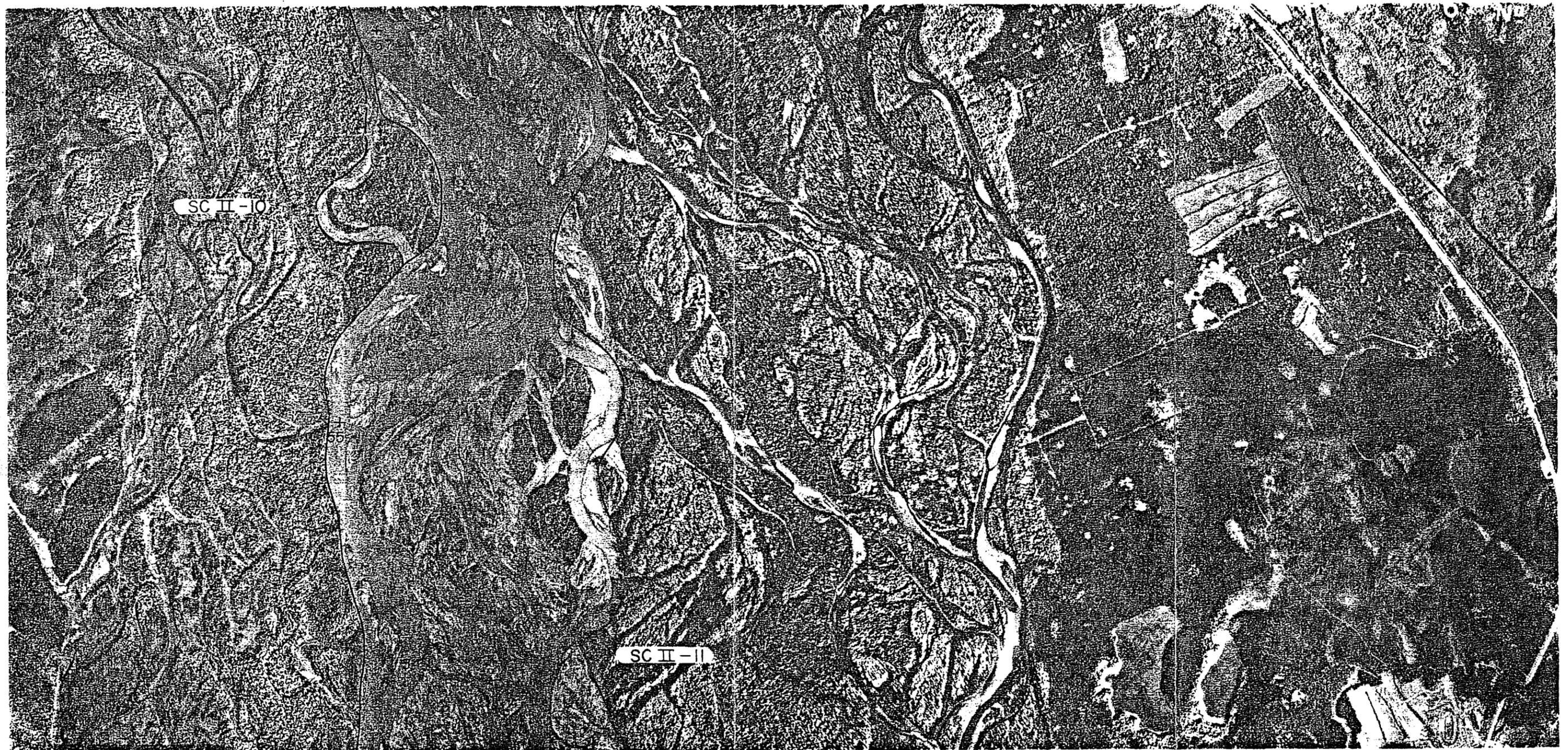
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 11 OF 28
DATE: 2-7-84

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HARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- | | |
|---|--|
| <p>ⓓ CONTINUOUS DISCHARGE</p> <p>ⓓ MISCELLANEOUS DISCHARGE</p> <p>Ⓢ STAGE</p> <p>ⓌⓈ WATER QUALITY</p> <p>Ⓣ CONTINUOUS WATER TEMPERATURE</p> | <p>Ⓣ WATER TEMPERATURE</p> <p>ⓈⓈ SUSPENDED SEDIMENT</p> <p>ⓅⓁ BEDLOAD</p> <p>ⓅⓂ BED MATERIAL</p> <p>ⓃⓈ CROSS SECTION</p> <p>ⓉⓅ THALWEG PROFILE</p> |
|---|--|

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

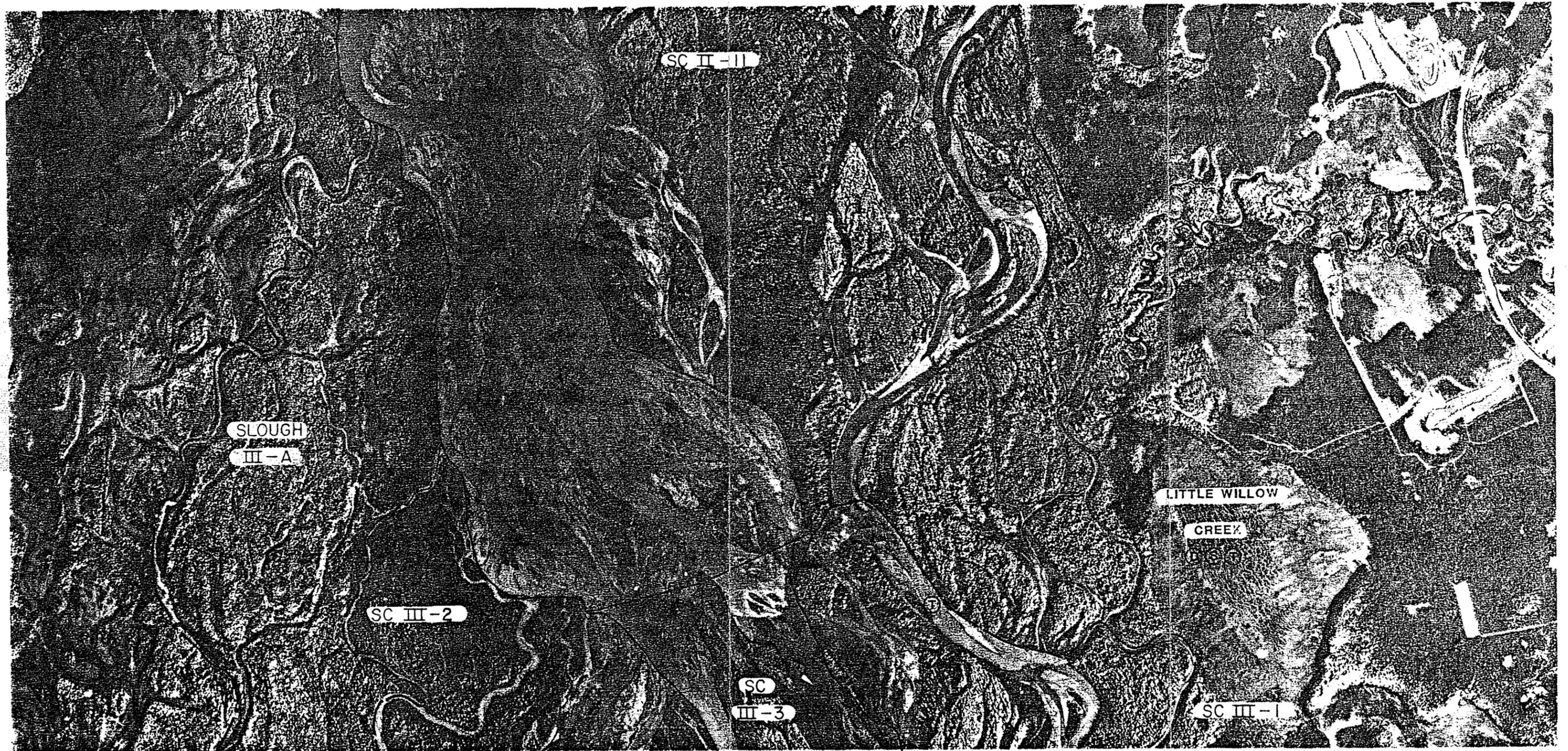
LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000'

SHEET: 12 OF 28
DATE: 2-7-84

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R&M CONSULTANTS, INC.

HARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

<p>ⓓ CONTINUOUS DISCHARGE</p> <p>ⓓ MISCELLANEOUS DISCHARGE</p> <p>Ⓢ STAGE</p> <p>ⓌⓈ WATER QUALITY</p> <p>Ⓣ CONTINUOUS WATER TEMPERATURE</p>	<p>Ⓣ WATER TEMPERATURE</p> <p>ⓈⓈ SUSPENDED SEDIMENT</p> <p>ⓅⓁ BEDLOAD</p> <p>ⓅⓂ BED. MATERIAL</p> <p>ⓍⓈ CROSS SECTION</p> <p>ⓉⓅ THALWEG PROFILE</p>
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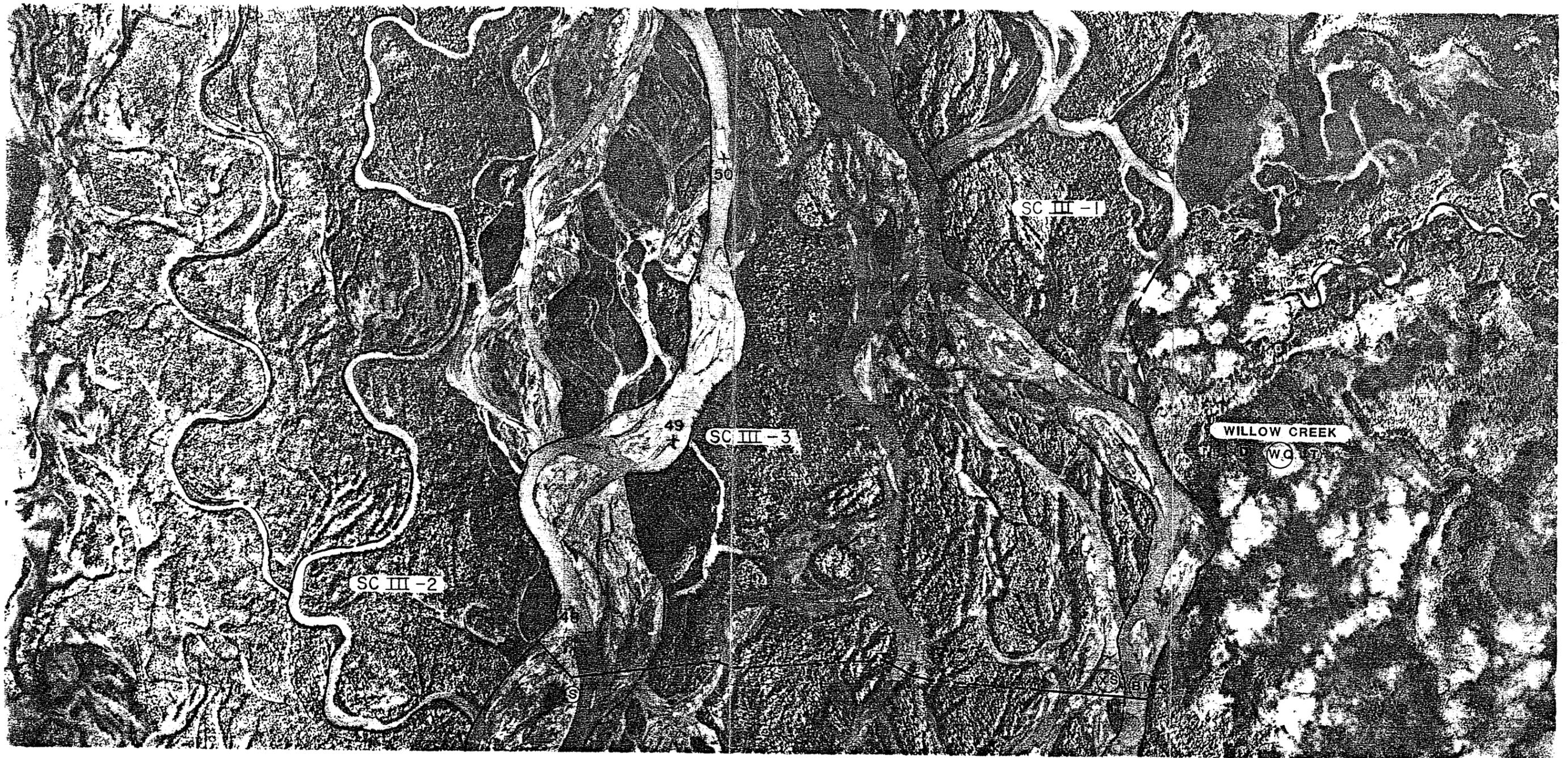
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 13 OF 28
DATE: 2-7-84

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REM CONSULTANTS, INC.

HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- [D] CONTINUOUS DISCHARGE
- (D) MISCELLANEOUS DISCHARGE
- (S) STAGE
- (WC) WATER QUALITY
- [T] CONTINUOUS WATER TEMPERATURE

- (T) WATER TEMPERATURE
- (SS) SUSPENDED SEDIMENT
- (BL) BEDLOAD
- (BM) BED MATERIAL
- (XS) CROSS SECTION
- (TP) THALWEG PROFILE

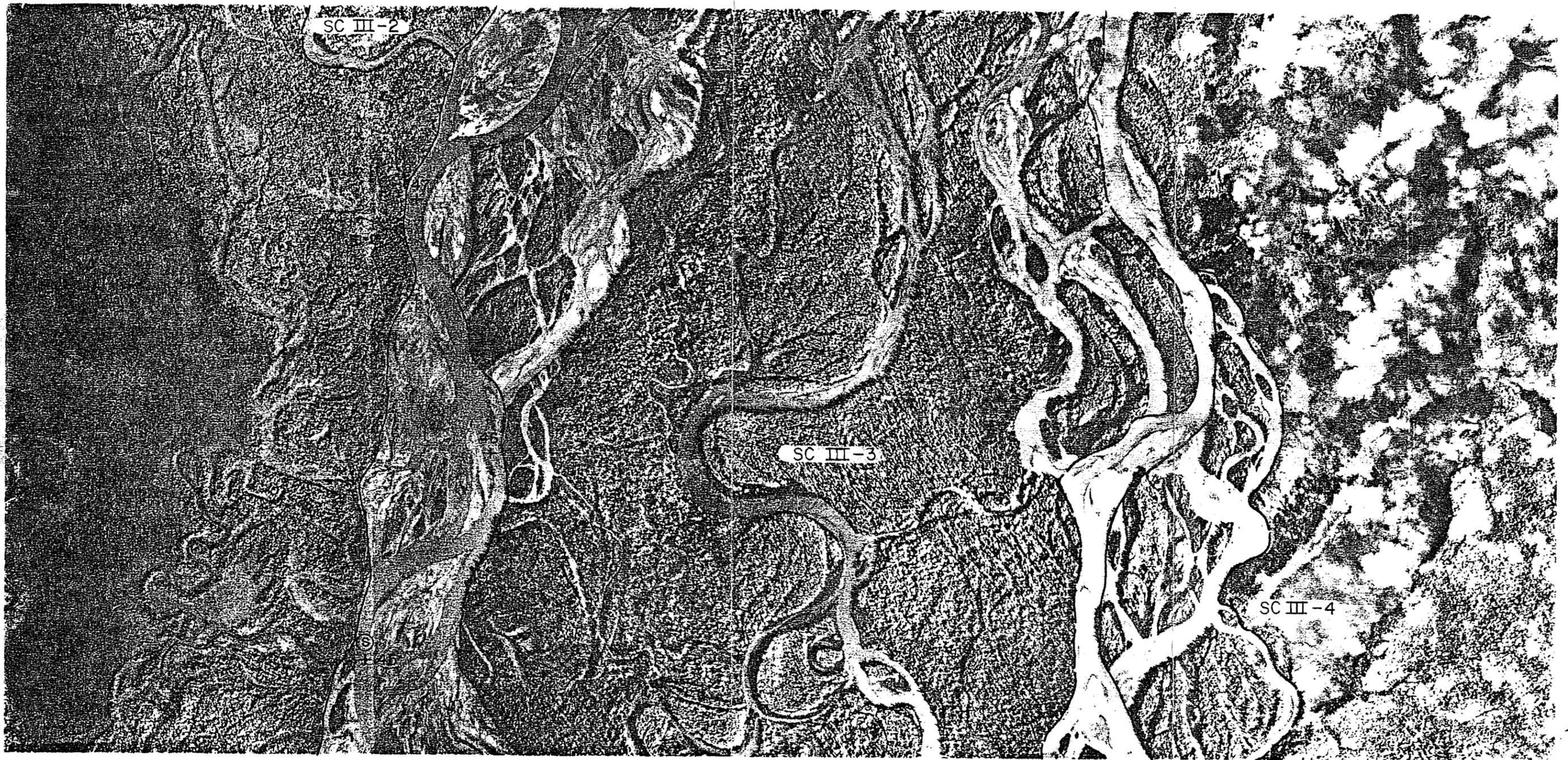
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1"=2000' SHEET: 14 OF 28
DATE: 2-7-84

RSM
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MARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

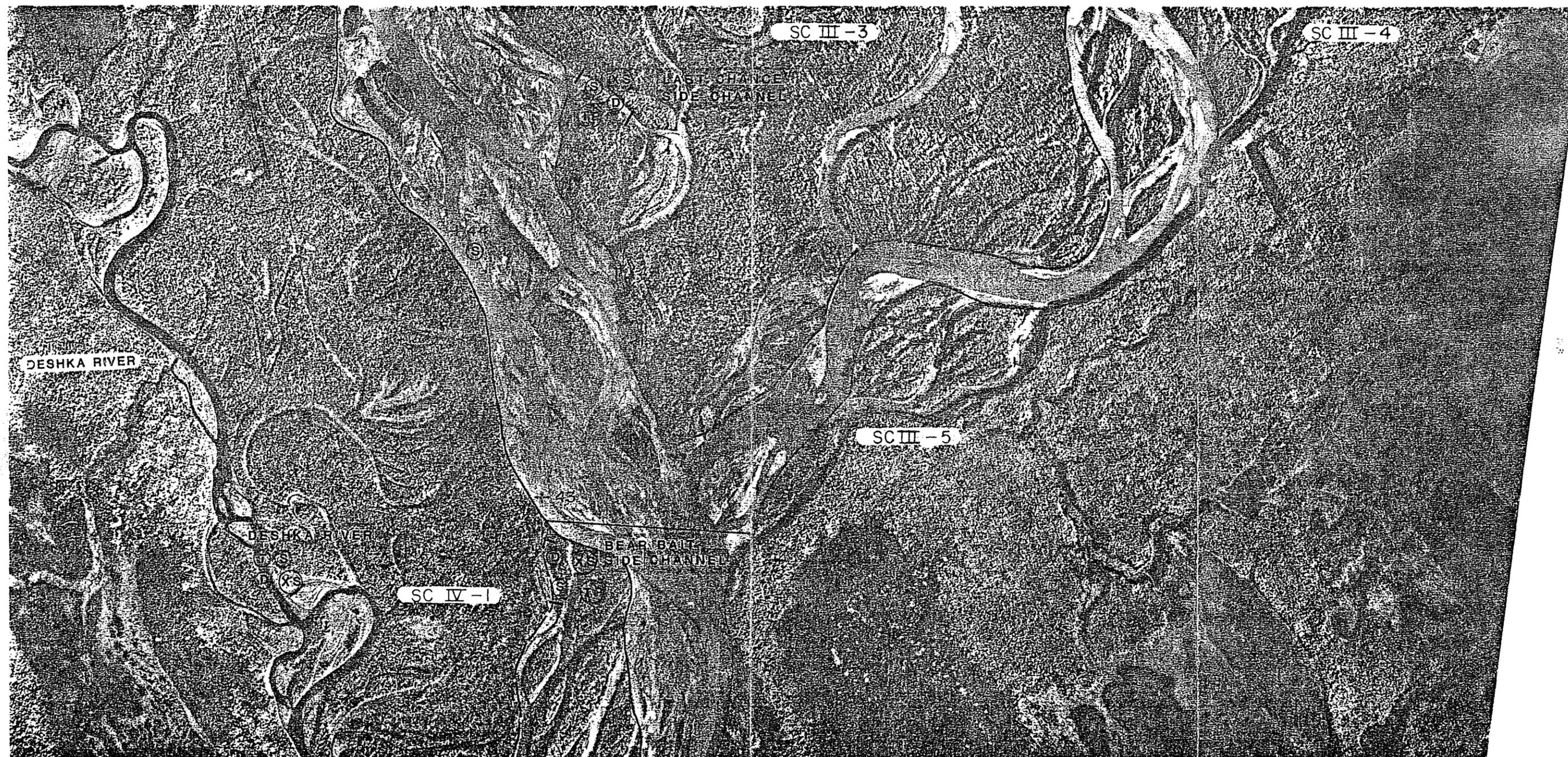
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|---|--|
| <p>ⓓ CONTINUOUS DISCHARGE</p> <p>ⓓ MISCELLANEOUS DISCHARGE</p> <p>Ⓢ STAGE</p> <p>ⓌⓈ WATER QUALITY</p> <p>Ⓣ CONTINUOUS WATER TEMPERATURE</p> | <p>Ⓣ WATER TEMPERATURE</p> <p>ⓈⓈ SUSPENDED SEDIMENT</p> <p>ⓅⓁ BEDLOAD</p> <p>ⓅⓂ BED MATERIAL</p> <p>ⓍⓈ CROSS SECTION</p> <p>ⓉⓅ THALWEG PROFILE</p> |
|---|--|

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER
DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 15 OF 28
DATE: 2-7-84

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HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- ⓓ CONTINUOUS DISCHARGE
- Ⓞ MISCELLANEOUS DISCHARGE
- Ⓢ STAGE
- ⓌⓄ WATER QUALITY
- Ⓣ CONTINUOUS WATER TEMPERATURE

- Ⓣ WATER TEMPERATURE
- ⓈⓈ SUSPENDED SEDIMENT
- ⓅⓁ BEDLOAD
- ⓅⓂ BED MATERIAL
- ⓃⓈ CROSS SECTION
- ⓉⓅ THALWEG PROFILE

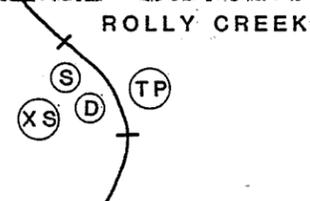
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 16 OF 28
DATE: 2-7-84



MARZA-EBASCO
SUSITNA JOINT VENTURE



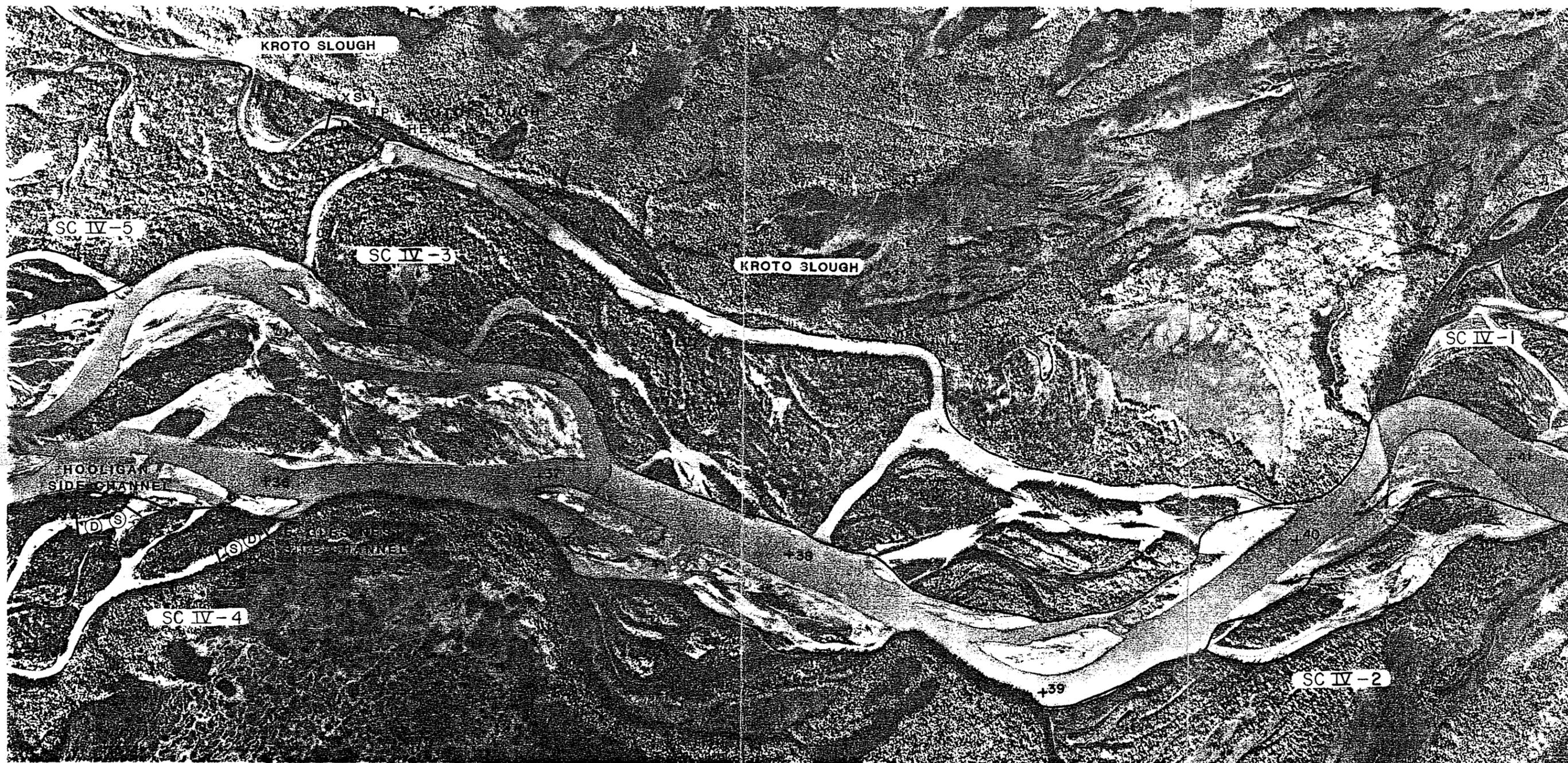
SYMBOL KEY

- | | | | |
|-----------|------------------------------|-----------|--------------------|
| D | CONTINUOUS DISCHARGE | T | WATER TEMPERATURE |
| D | MISCELLANEOUS DISCHARGE | SS | SUSPENDED SEDIMENT |
| S | STAGE | BL | BEDLOAD |
| WC | WATER QUALITY | BM | BED MATERIAL |
| T | CONTINUOUS WATER TEMPERATURE | XS | CROSS SECTION |
| | | TP | THALWEG PROFILE |

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER
DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000'
SHEET: 17 OF 28
DATE: 2-7-84

RSM RSM CONSULTANTS, INC.	MARZA-EBASCO SUSITNA JOINT VENTURE
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SYMBOL KEY

- D CONTINUOUS DISCHARGE
- D MISCELLANEOUS DISCHARGE
- S STAGE
- WC WATER QUALITY
- T CONTINUOUS WATER TEMPERATURE

- T WATER TEMPERATURE
- SS SUSPENDED SEDIMENT
- BL BEDLOAD
- BM BED MATERIAL
- XS CROSS SECTION
- TP THALWEG PROFILE

ROLLY CREEK

- D S
- XS TP

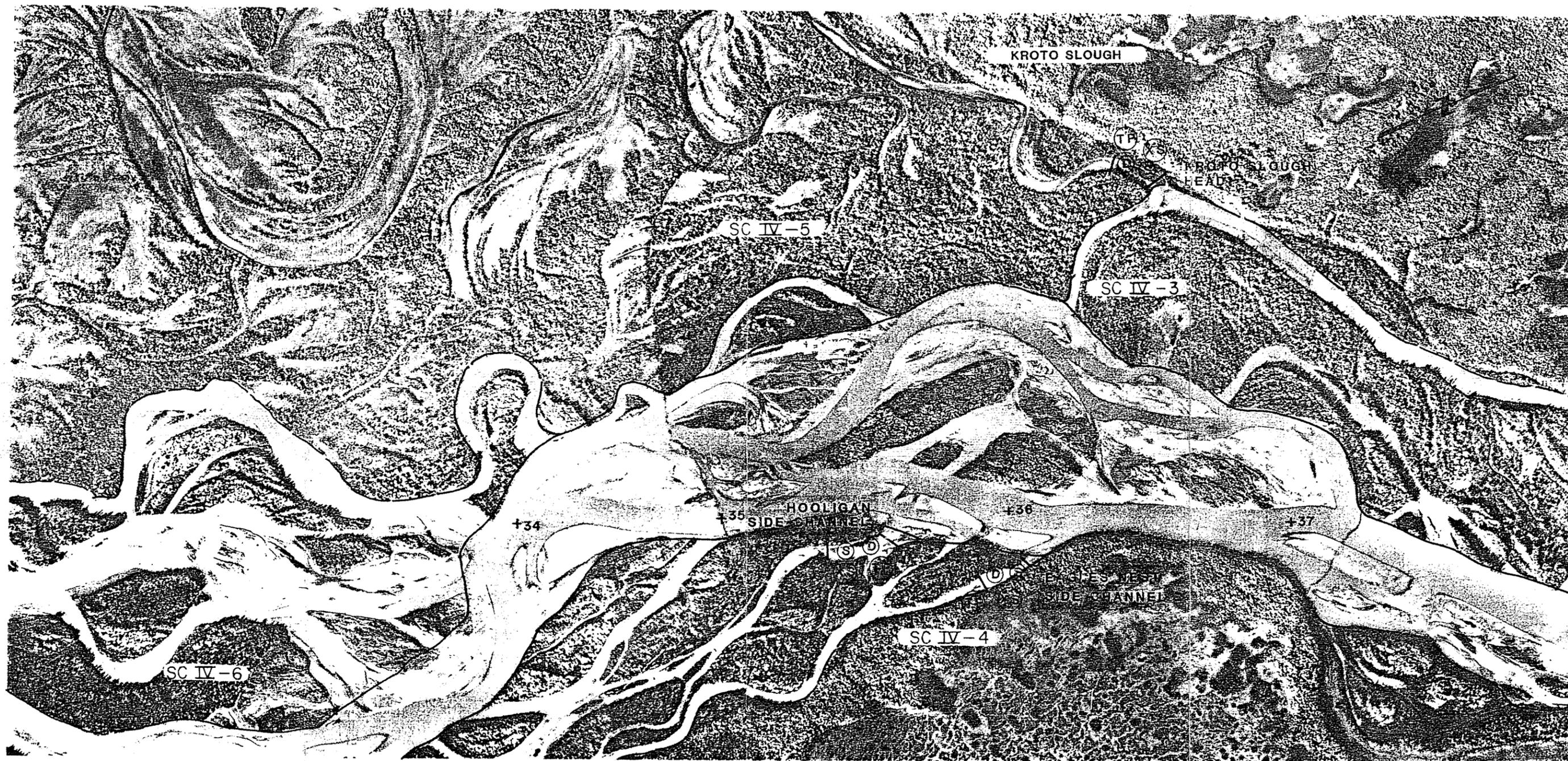
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 18 OF 28
DATE: 2-7-84

RSM
REM CONSULTANTS INC.

MARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- D CONTINUOUS DISCHARGE
- D MISCELLANEOUS DISCHARGE
- S STAGE
- WC WATER QUALITY
- T CONTINUOUS WATER TEMPERATURE

- T WATER TEMPERATURE
- SS SUSPENDED SEDIMENT
- BL BEDLOAD
- BM BED MATERIAL
- XS CROSS SECTION
- TP THALWEG PROFILE

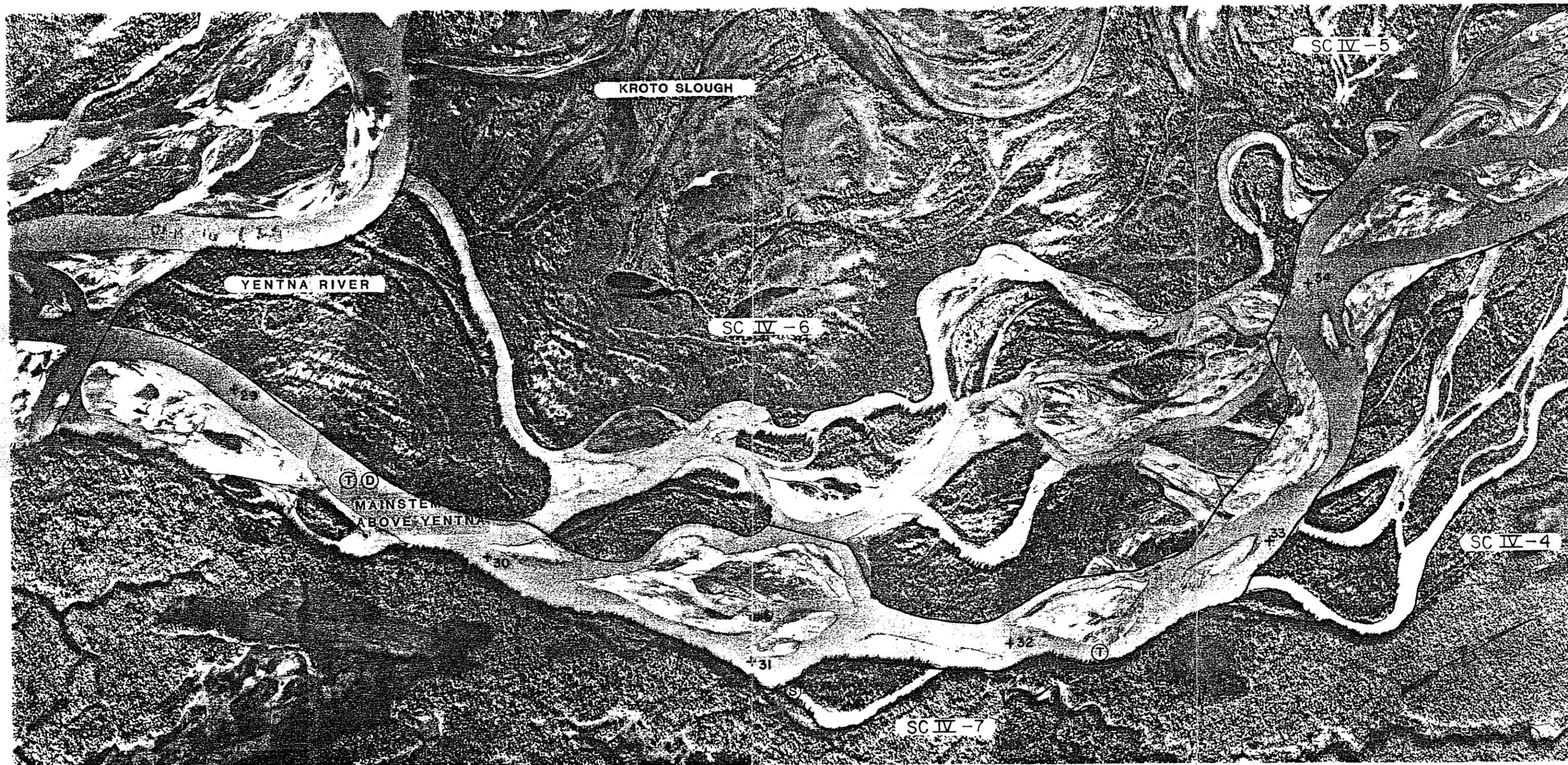
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 19 OF 28
DATE: 2-7-84

R&M
R&M CONSULTANTS, INC.

HARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- D CONTINUOUS DISCHARGE
- D MISCELLANEOUS DISCHARGE
- S STAGE
- WC WATER QUALITY
- T CONTINUOUS WATER TEMPERATURE

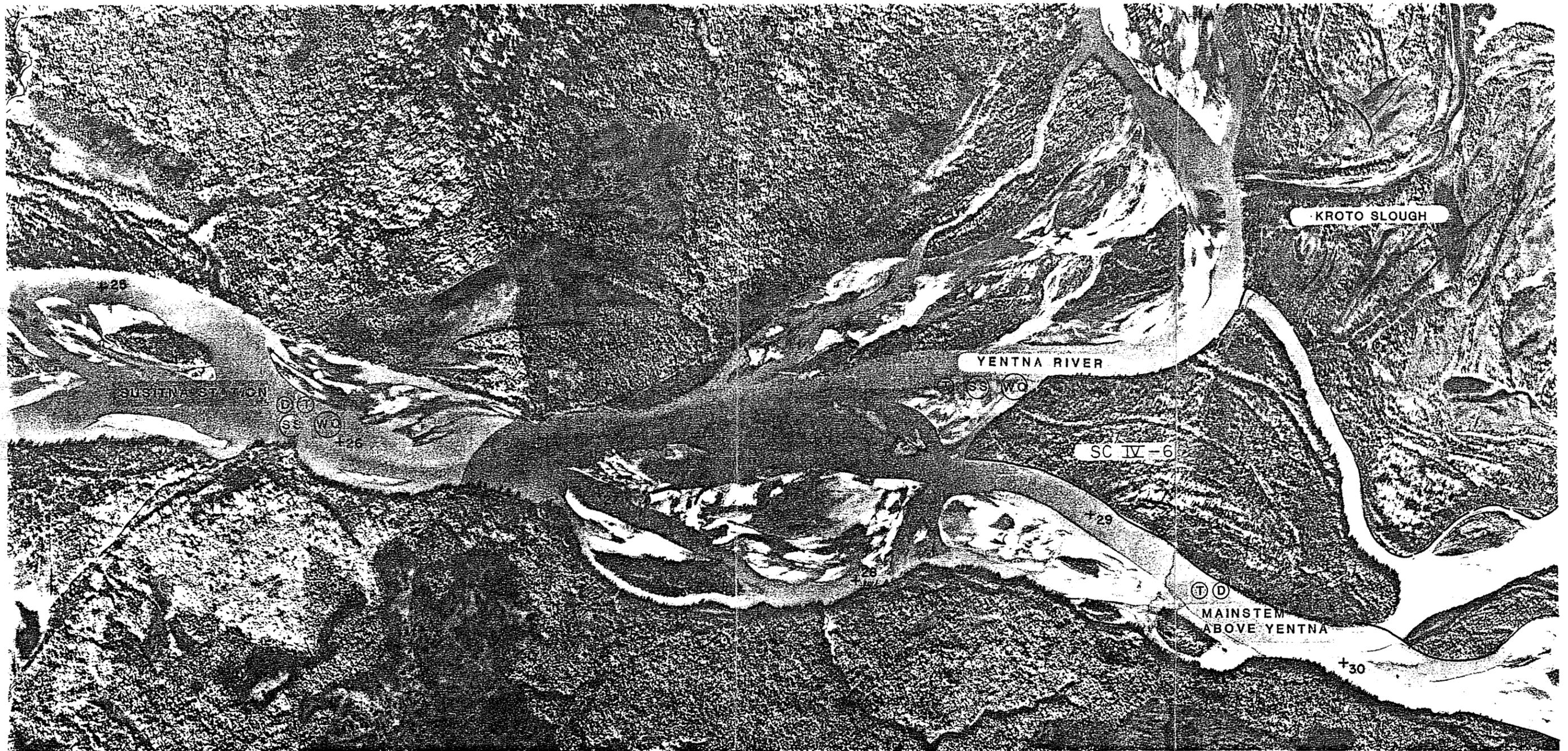
- T WATER TEMPERATURE
- SS SUSPENDED SEDIMENT
- BL BEDLOAD
- BM BED MATERIAL
- XS CROSS SECTION
- TP THALWEG PROFILE

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 20 OF 28
DATE: 2-7-84





SYMBOL KEY

D
D
S
WC
T

CONTINUOUS DISCHARGE
MISCELLANEOUS DISCHARGE
STAGE
WATER QUALITY
CONTINUOUS WATER TEMPERATURE

T
SS
BL
BM
XS
TP

WATER TEMPERATURE
SUSPENDED SEDIMENT
BEDLOAD
BED MATERIAL
CROSS SECTION
THALWEG PROFILE

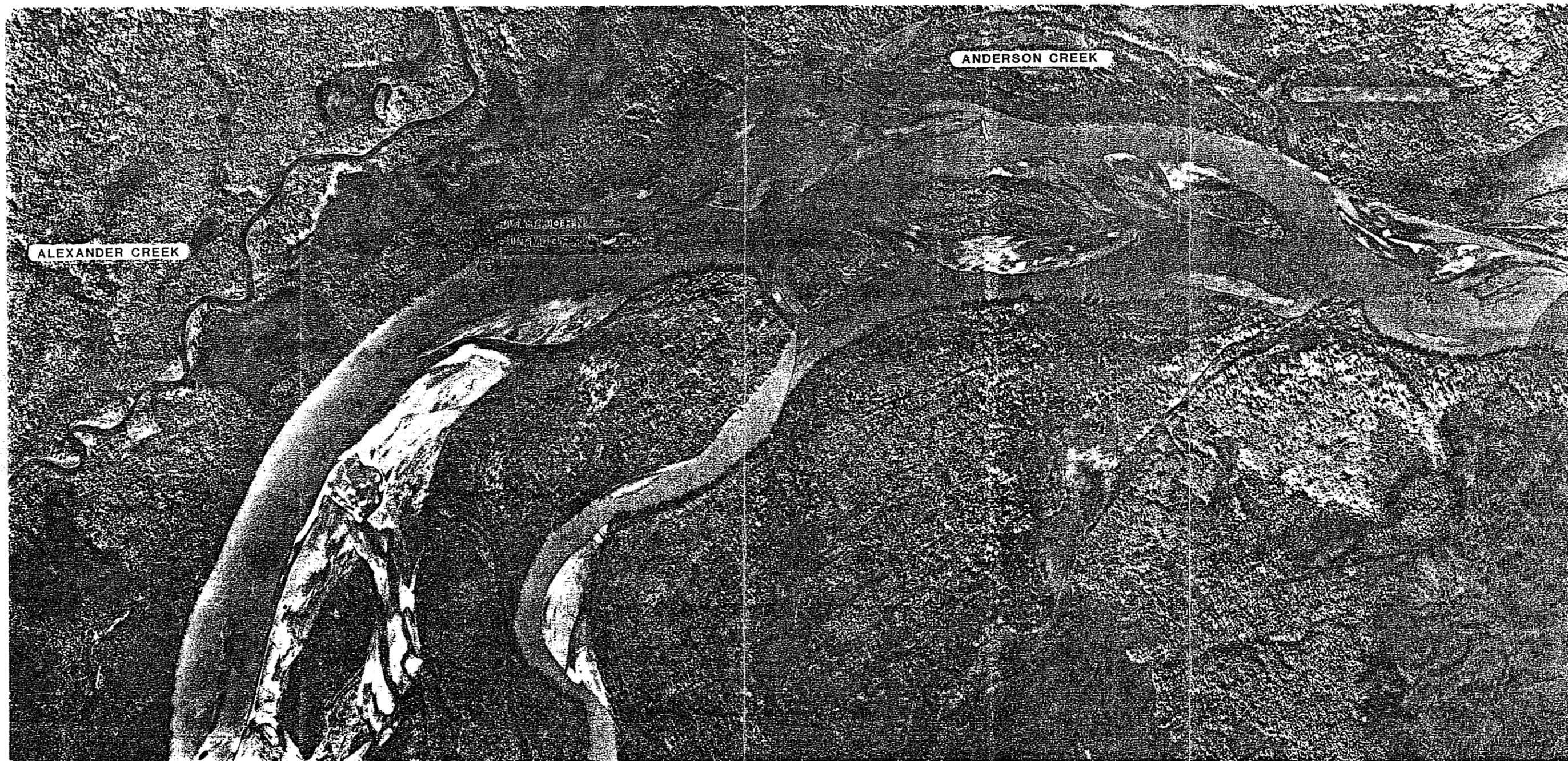
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000'
SHEET: 21 OF 28
DATE: 2-7-84

PSM
P.E.M. CONSULTANTS INC.

HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- ⓓ CONTINUOUS DISCHARGE
- ⓓ MISCELLANEOUS DISCHARGE
- Ⓢ STAGE
- Ⓦⓐ WATER QUALITY
- Ⓣ CONTINUOUS WATER TEMPERATURE

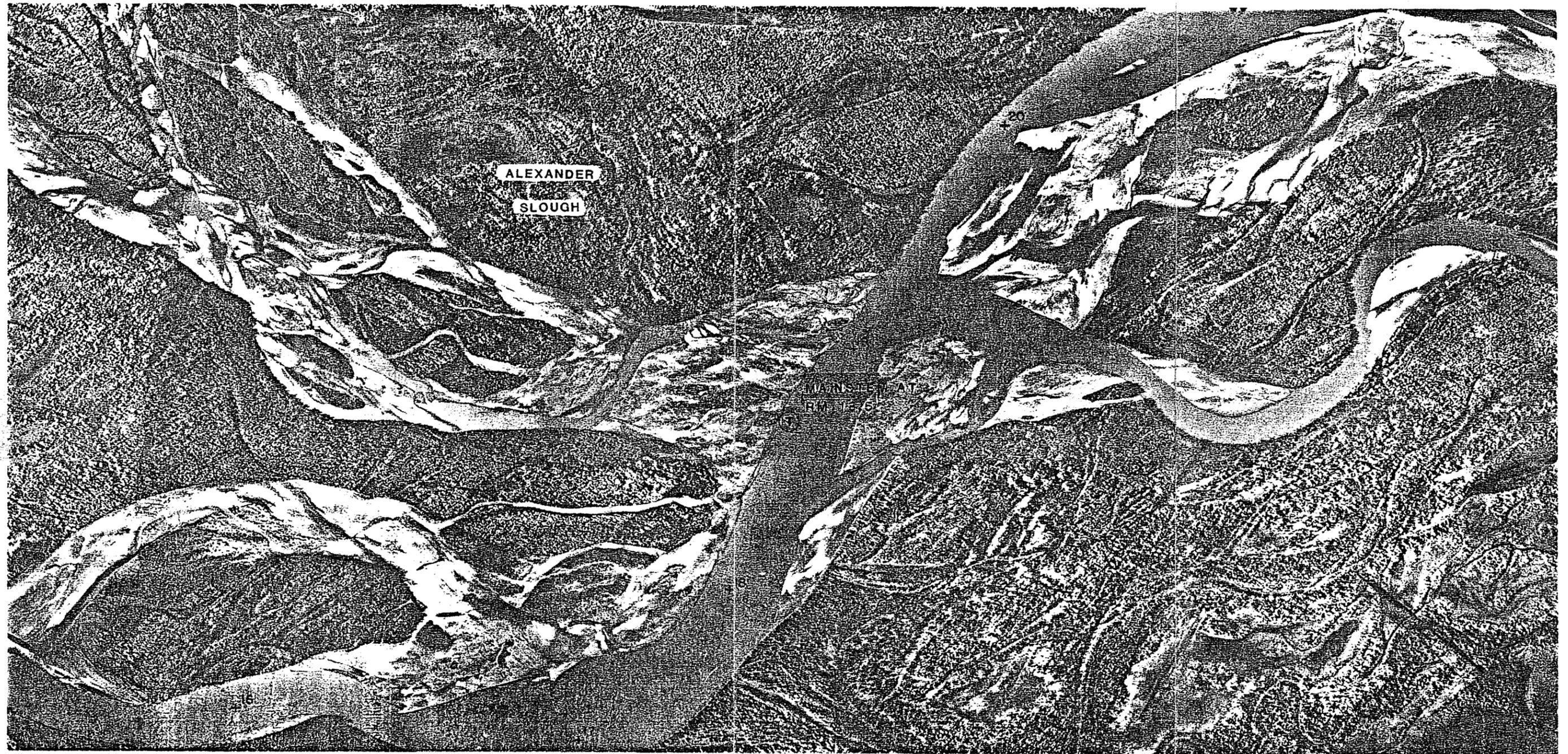
- Ⓣ WATER TEMPERATURE
- ⓈⓈ SUSPENDED SEDIMENT
- ⓅⓁ BEDLOAD
- ⓅⓂ BED MATERIAL
- ⓍⓈ CROSS SECTION
- ⓉⓅ THALWEG PROFILE

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 22 OF 28
DATE: 2-7-84





SYMBOL KEY

- | | |
|---|--|
| <p>ⓓ CONTINUOUS DISCHARGE</p> <p>ⓓ MISCELLANEOUS DISCHARGE</p> <p>Ⓢ STAGE</p> <p>ⓌⒸ WATER QUALITY</p> <p>Ⓣ CONTINUOUS WATER TEMPERATURE</p> | <p>Ⓣ WATER TEMPERATURE</p> <p>ⓈⓈ SUSPENDED SEDIMENT</p> <p>ⓅⓁ BEDLOAD</p> <p>ⓅⓂ BED MATERIAL</p> <p>ⓍⓈ CROSS SECTION</p> <p>ⓉⓅ THALWEG PROFILE</p> |
|---|--|

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 23 OF 28
DATE: 2-7-84

RSM
RSM CONSULTANTS, INC.

MARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- ⓓ CONTINUOUS DISCHARGE
- ⓐ MISCELLANEOUS DISCHARGE
- Ⓢ STAGE
- Ⓦⓐ WATER QUALITY
- Ⓣ CONTINUOUS WATER TEMPERATURE

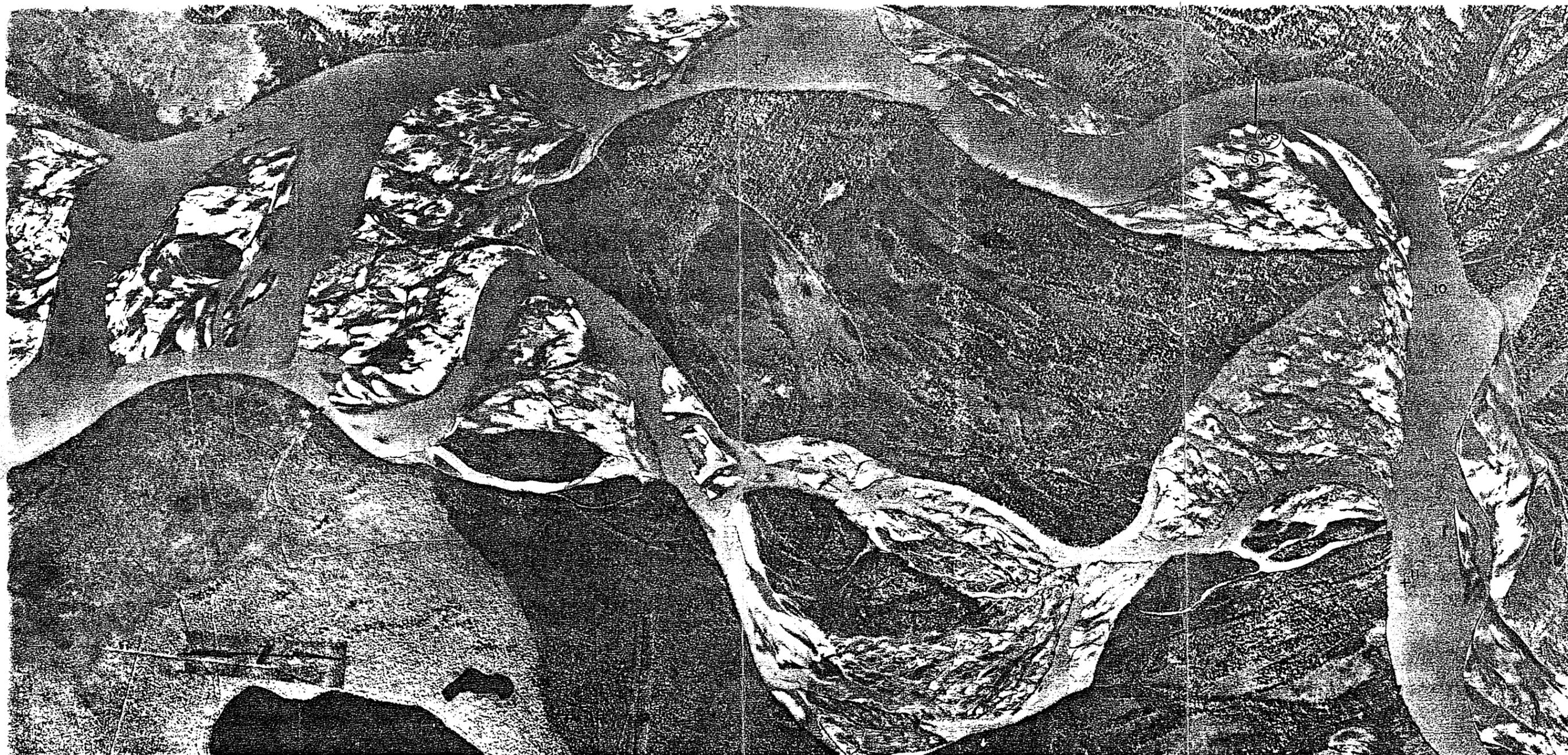
- Ⓣ WATER TEMPERATURE
- ⓈⓈ SUSPENDED SEDIMENT
- ⓑⓁ BEDLOAD
- ⓑⓂ BED MATERIAL
- ⓍⓈ CROSS SECTION
- ⓉⓅ THALWEG PROFILE

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1"=2000' SHEET: 24 OF 28
DATE: 2-7-84





SYMBOL KEY

- Ⓛ CONTINUOUS DISCHARGE
- Ⓛ MISCELLANEOUS DISCHARGE
- Ⓛ STAGE
- Ⓛ WATER QUALITY
- Ⓛ CONTINUOUS WATER TEMPERATURE

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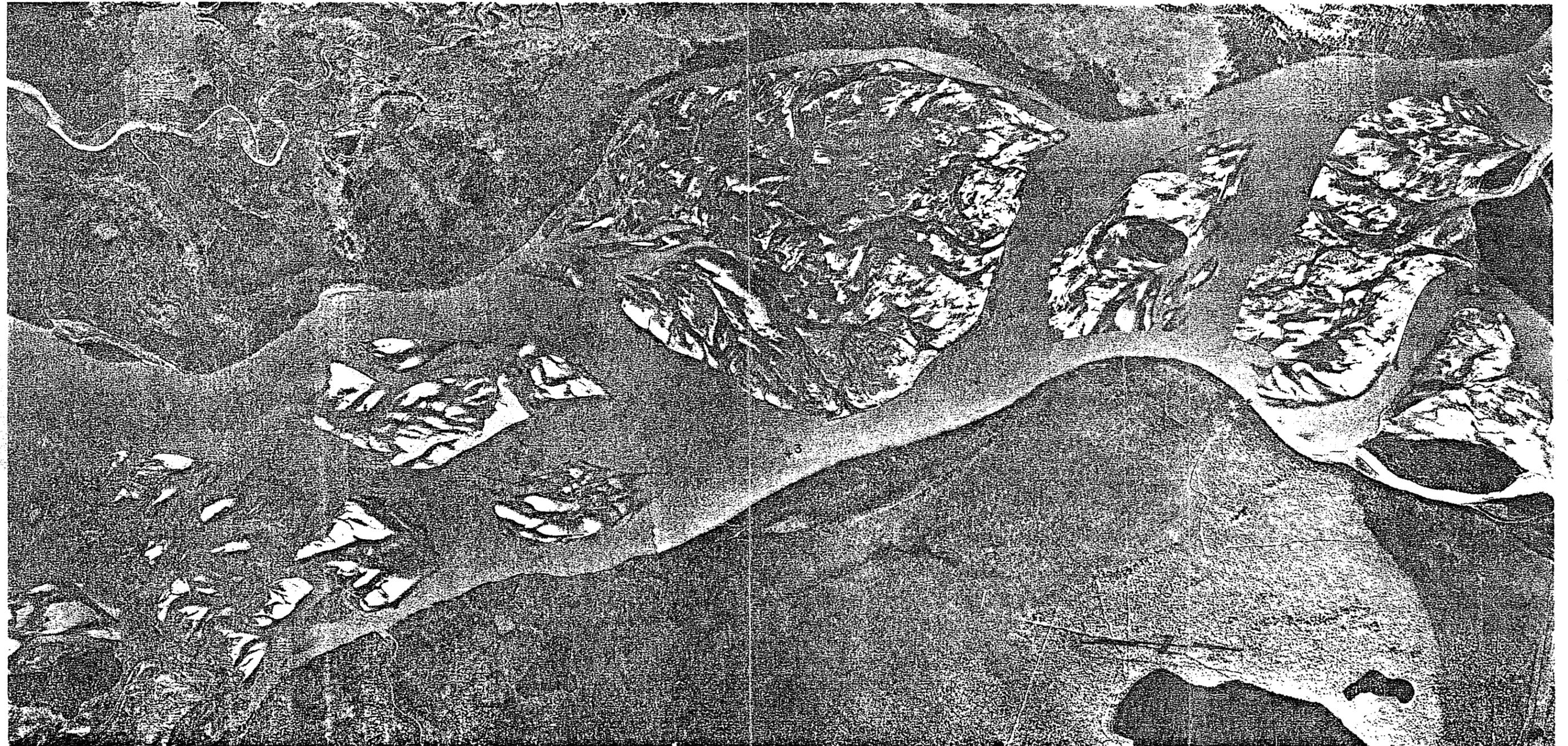
ALASKA POWER AUTHORITY
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DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 25 OF 28
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SUSITNA JOINT VENTURE



SYMBOL KEY

- | | |
|---|--|
| <p>ⓓ CONTINUOUS DISCHARGE</p> <p>ⓓ MISCELLANEOUS DISCHARGE</p> <p>Ⓢ STAGE</p> <p>ⓈⓈ WATER QUALITY</p> <p>Ⓣ CONTINUOUS WATER TEMPERATURE</p> | <p>Ⓣ WATER TEMPERATURE</p> <p>ⓈⓈ SUSPENDED SEDIMENT</p> <p>ⓅⓁ BEDLOAD</p> <p>ⓅⓂ BED MATERIAL</p> <p>ⓈⓈ CROSS SECTION</p> <p>ⓉⓅ THALWEG PROFILE</p> |
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SUSITNA JOINT VENTURE



SYMBOL KEY

- D** CONTINUOUS DISCHARGE
- D** MISCELLANEOUS DISCHARGE
- S** STAGE
- WC** WATER QUALITY
- T** CONTINUOUS WATER TEMPERATURE

- T** WATER TEMPERATURE
- SS** SUSPENDED SEDIMENT
- BL** BEDLOAD
- BM** BED MATERIAL
- XS** CROSS SECTION
- TP** THALWEG PROFILE

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SYMBOL KEY

- ◻ CONTINUOUS DISCHARGE
- MISCELLANEOUS DISCHARGE
- ⊙ STAGE
- ⊙ WC WATER QUALITY
- ◻ T CONTINUOUS WATER TEMPERATURE

- ⊙ T WATER TEMPERATURE
- ⊙ SS SUSPENDED SEDIMENT
- ⊙ BL BEDLOAD
- ⊙ BM BED MATERIAL
- ⊙ XS CROSS SECTION
- ⊙ TP THALWEG PROFILE

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