

OVR-HD
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no.4095

Lower Susitna River

Prepared by R & M Consultants, Inc.
Prepared for Harza-Ebasco Susitna Joint Venture

1984

This set of maps consists of one location map (sheet 1, which depicts the lower Susitna River basin, but does not show locations of the individual maps) and 27 maps (sheets 2-28; images from aerial photographs).

These maps are printed out for general circulation and are available in PDF format. See the catalog record for the link and for more information.



ESTES

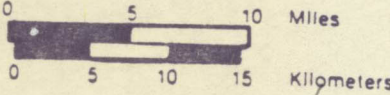
Upper
Middle
Summer flow
PAM 50K
efs

hpf
Humboldt
Found
upper
system

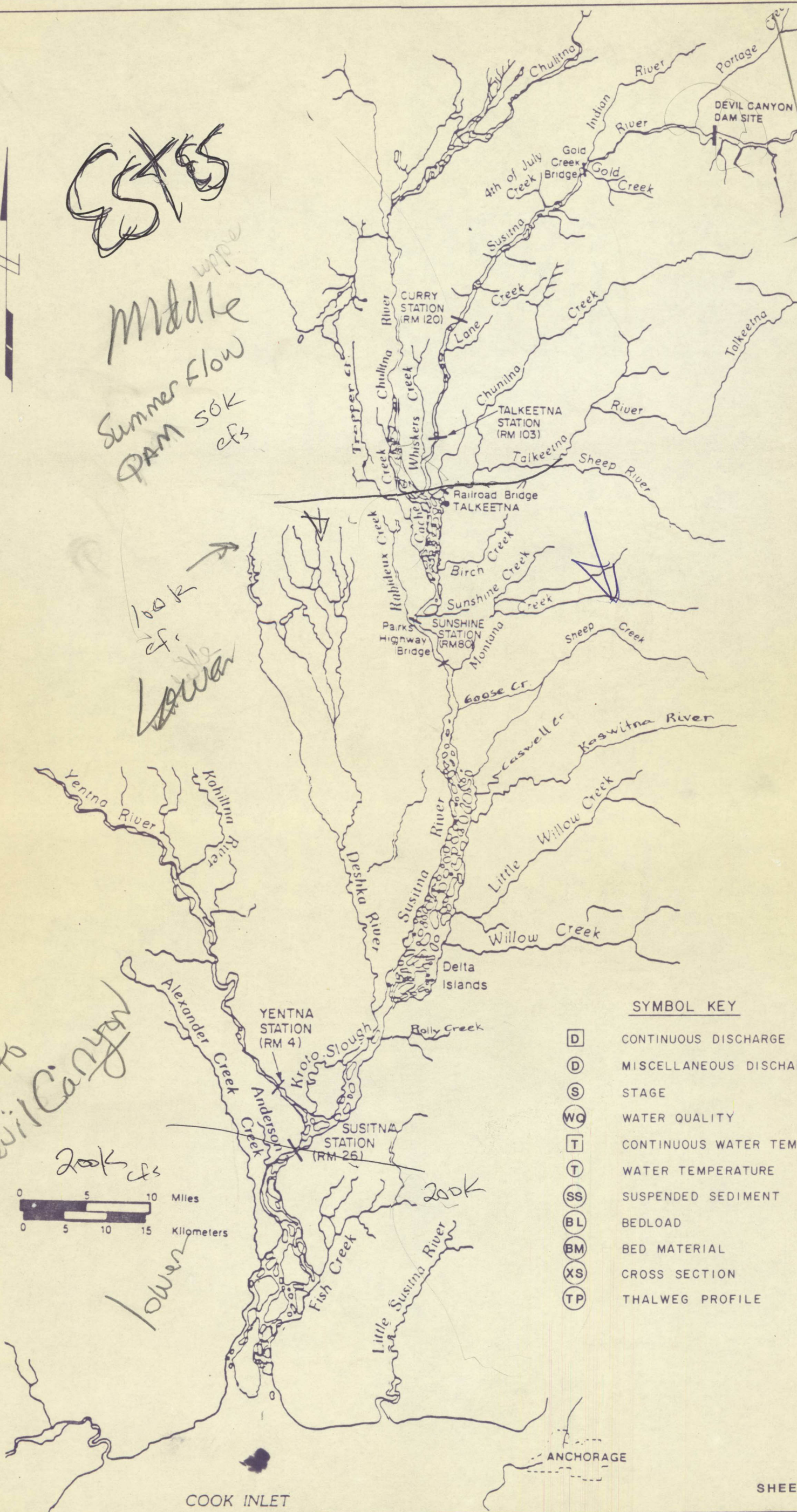
100K
efs
Lower

mouth to
Devil Canyon

200K
efs



Lower



SYMBOL KEY

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

SCI-2
↓ ?

SCI-1P →



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

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: 3 OF 28
DATE: 2-7-84

PSM
PACIFIC SOUTHERN MANAGEMENT
CONSULTANTS, INC.

HARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

D	CONTINUOUS DISCHARGE	T	WATER TEMPERATURE
D	MISCELLANEOUS DISCHARGE	SS	SUSPENDED SEDIMENT
S	STAGE	BL	BEDLOAD
WQ	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: 4 OF 28
DATE: 2-7-84

RSM
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MARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

[D]	CONTINUOUS DISCHARGE
(D)	MISCELLANEOUS DISCHARGE
(S)	STAGE
(WQ)	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

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HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

(D)	CONTINUOUS DISCHARGE
(D)	MISCELLANEOUS DISCHARGE
(S)	STAGE
(WQ)	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: 6 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
(WQ)	WATER QUALITY	(BM)	BED MATERIAL
(T)	CONTINUOUS WATER TEMPERATURE	(XS)	CROSS SECTION
		(TP)	THALWEG PROFILE

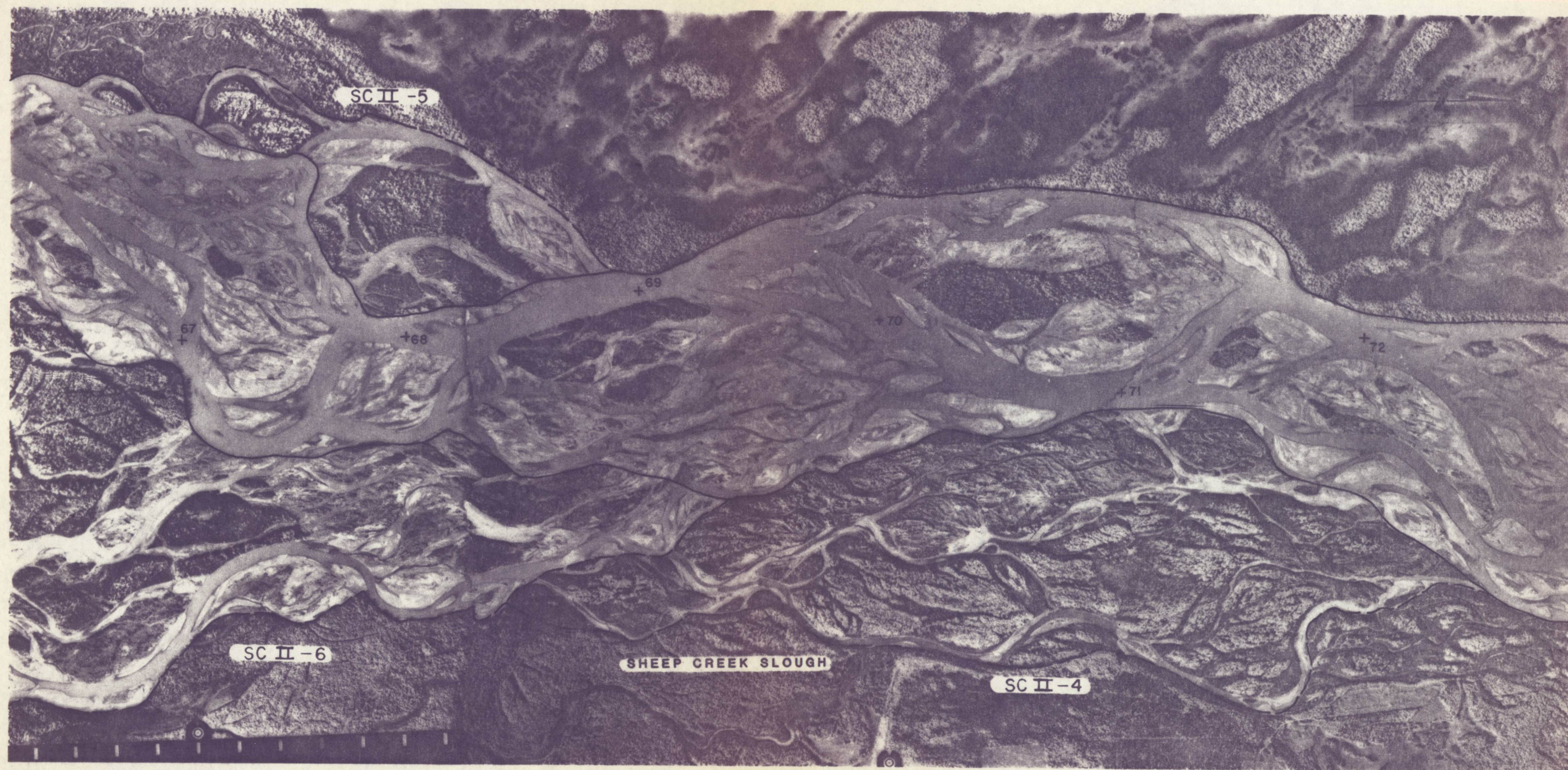
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE 1" = 100' SHEET 7 OF 28
DATE 2-7-84

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SUSITNA JOINT VENTURE



SYMBOL KEY

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

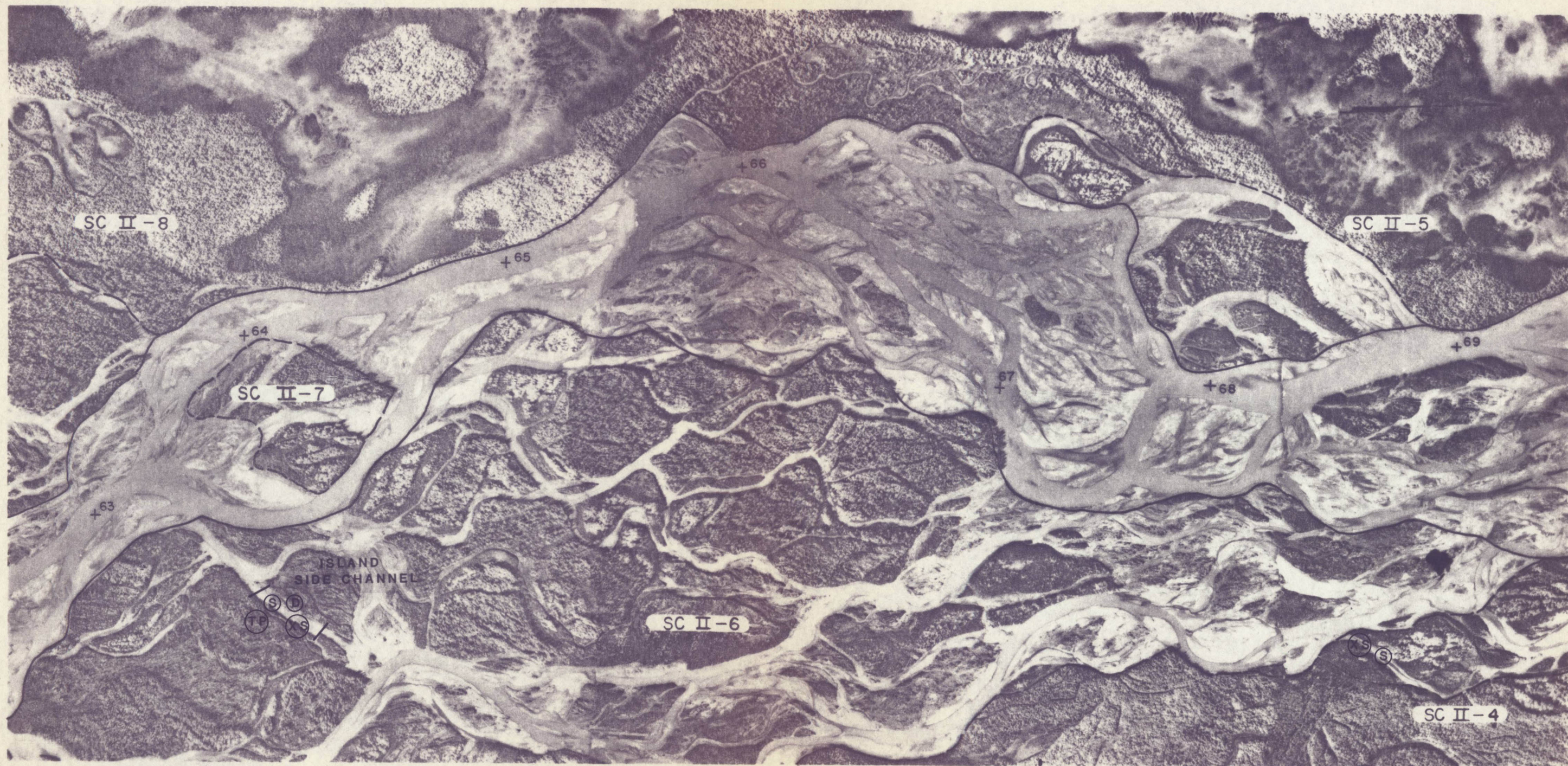
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

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

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HARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- [D] CONTINUOUS DISCHARGE
- [D] MISCELLANEOUS DISCHARGE
- [S] STAGE
- [WQ] WATER QUALITY
- [T] CONTINUOUS WATER TEMPERATURE

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

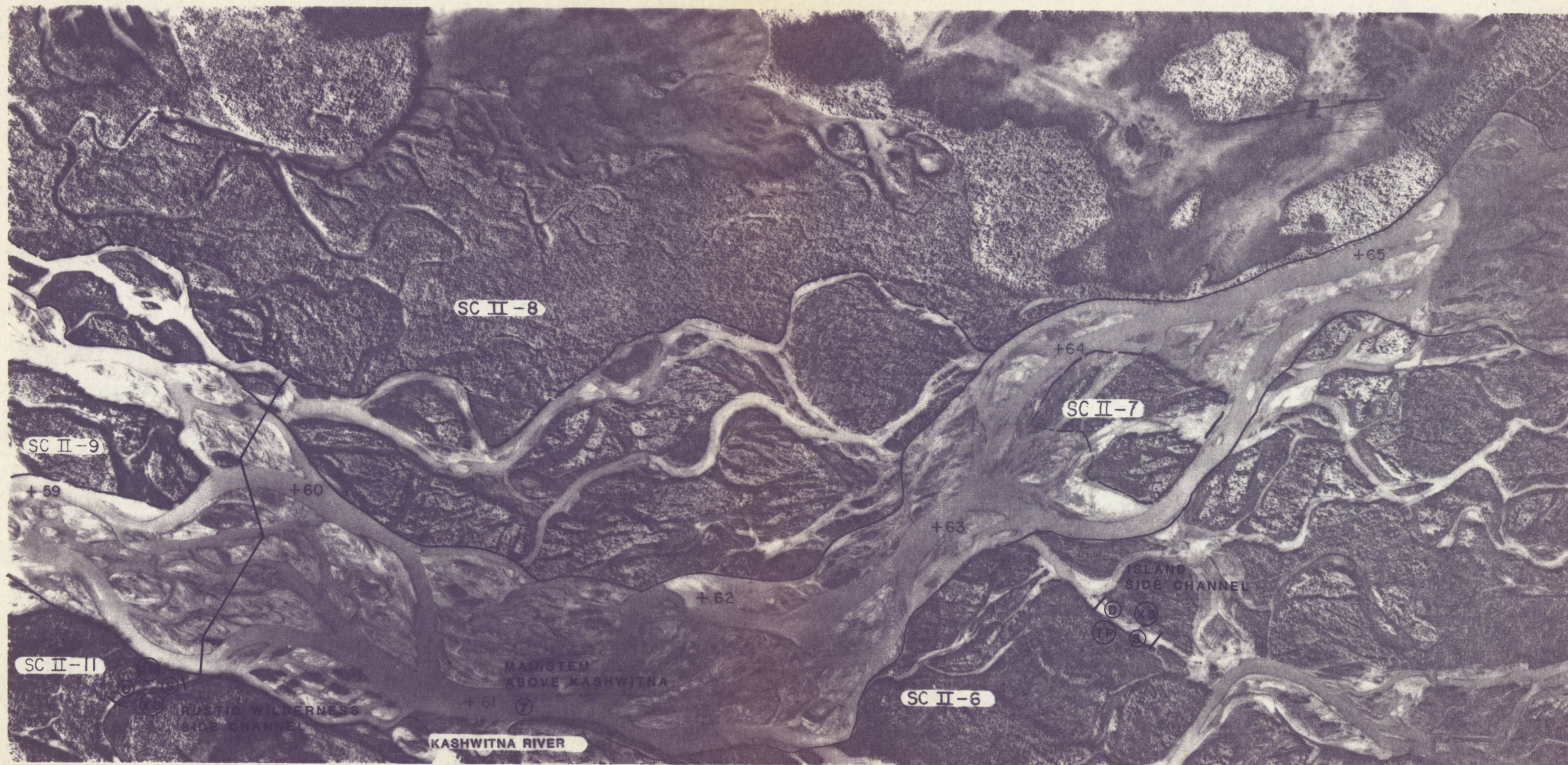
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

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

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RIVER SYSTEMS MANAGEMENT
CONSULTANTS, INC.

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

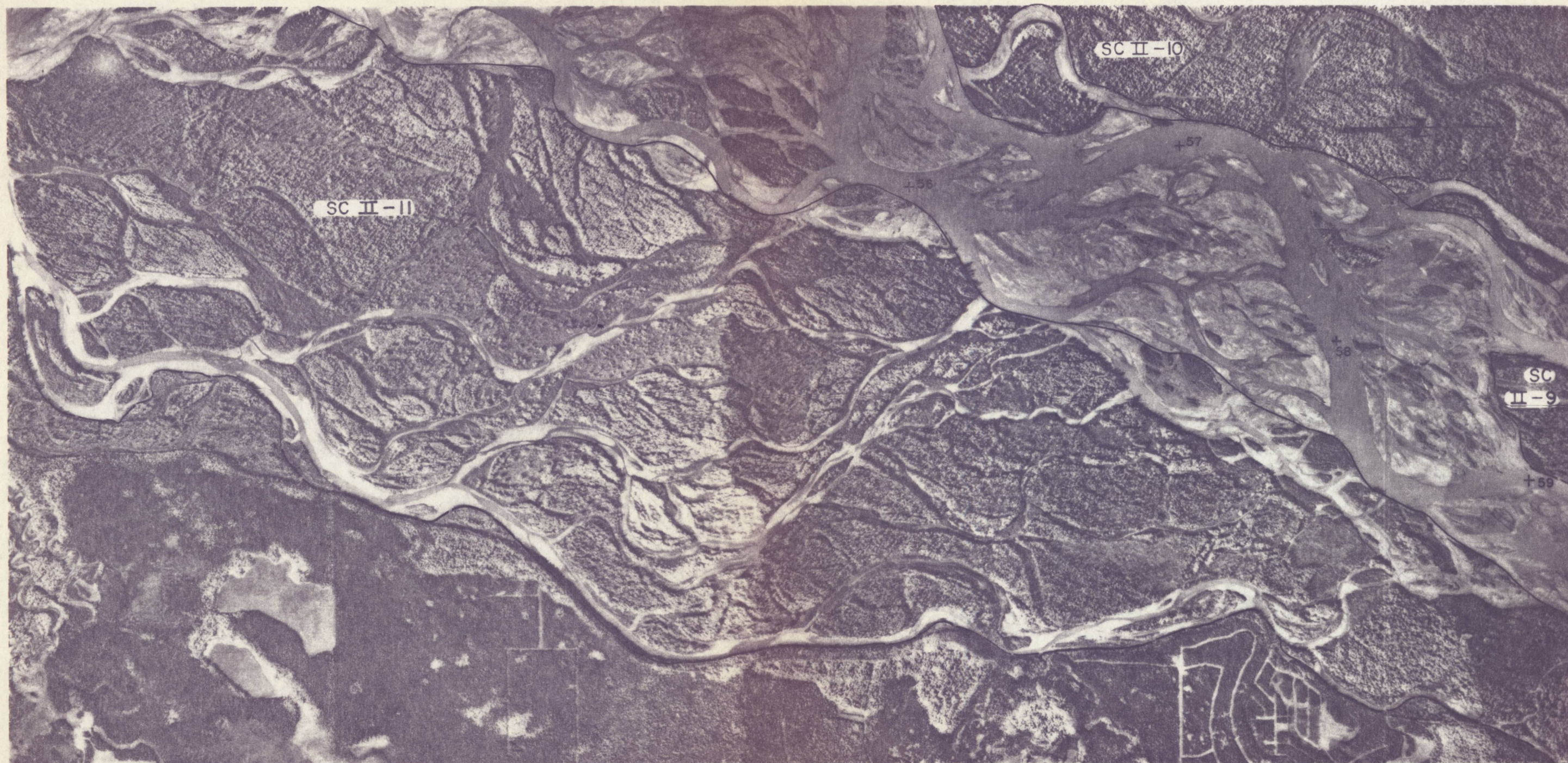
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

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

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HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- [D] CONTINUOUS DISCHARGE
- [D] MISCELLANEOUS DISCHARGE
- [S] STAGE
- [WQ] WATER QUALITY
- [T] CONTINUOUS WATER TEMPERATURE

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

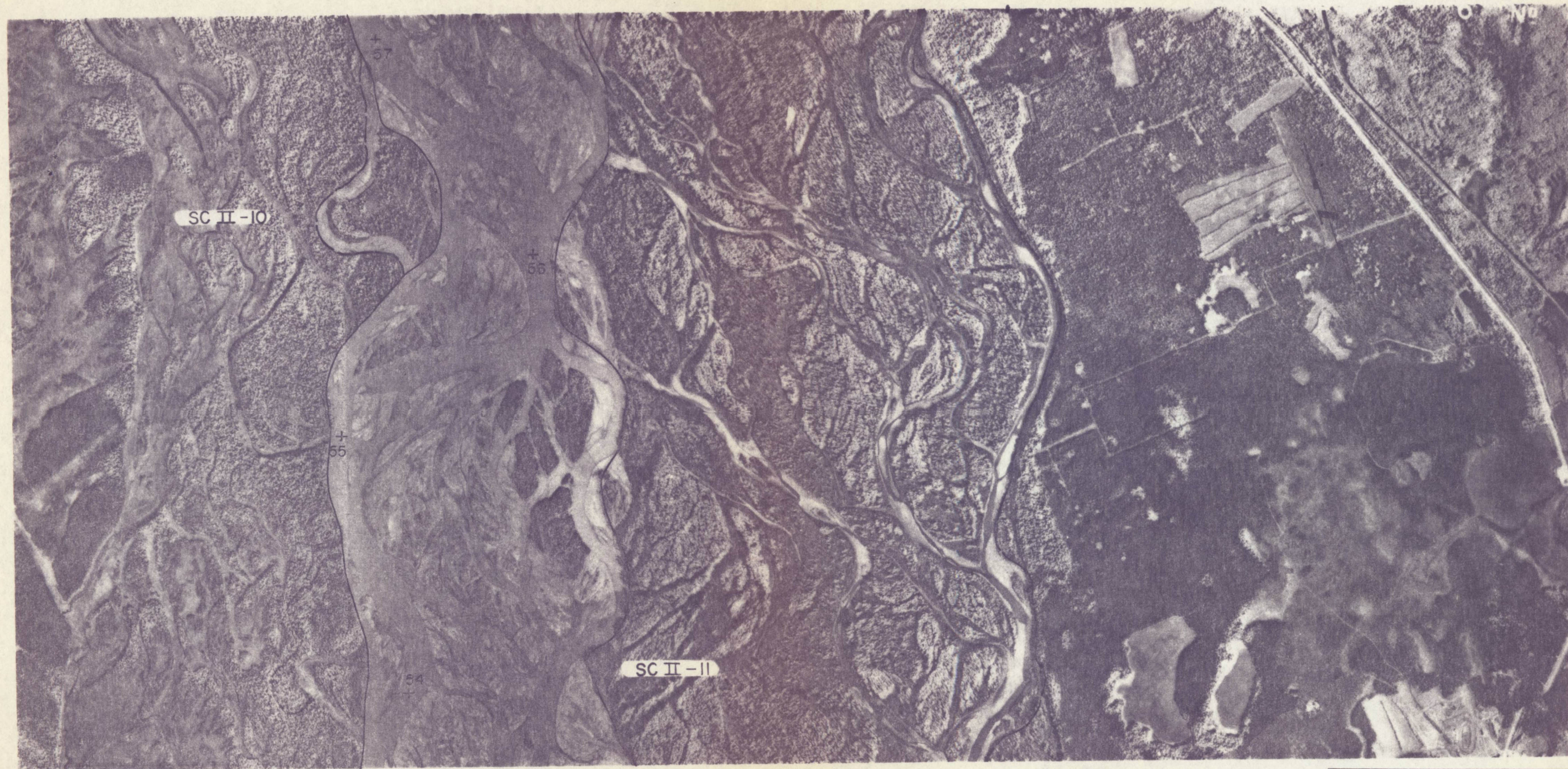
**ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT**

LOWER SUSITNA RIVER

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

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HARZA-EDASCO
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

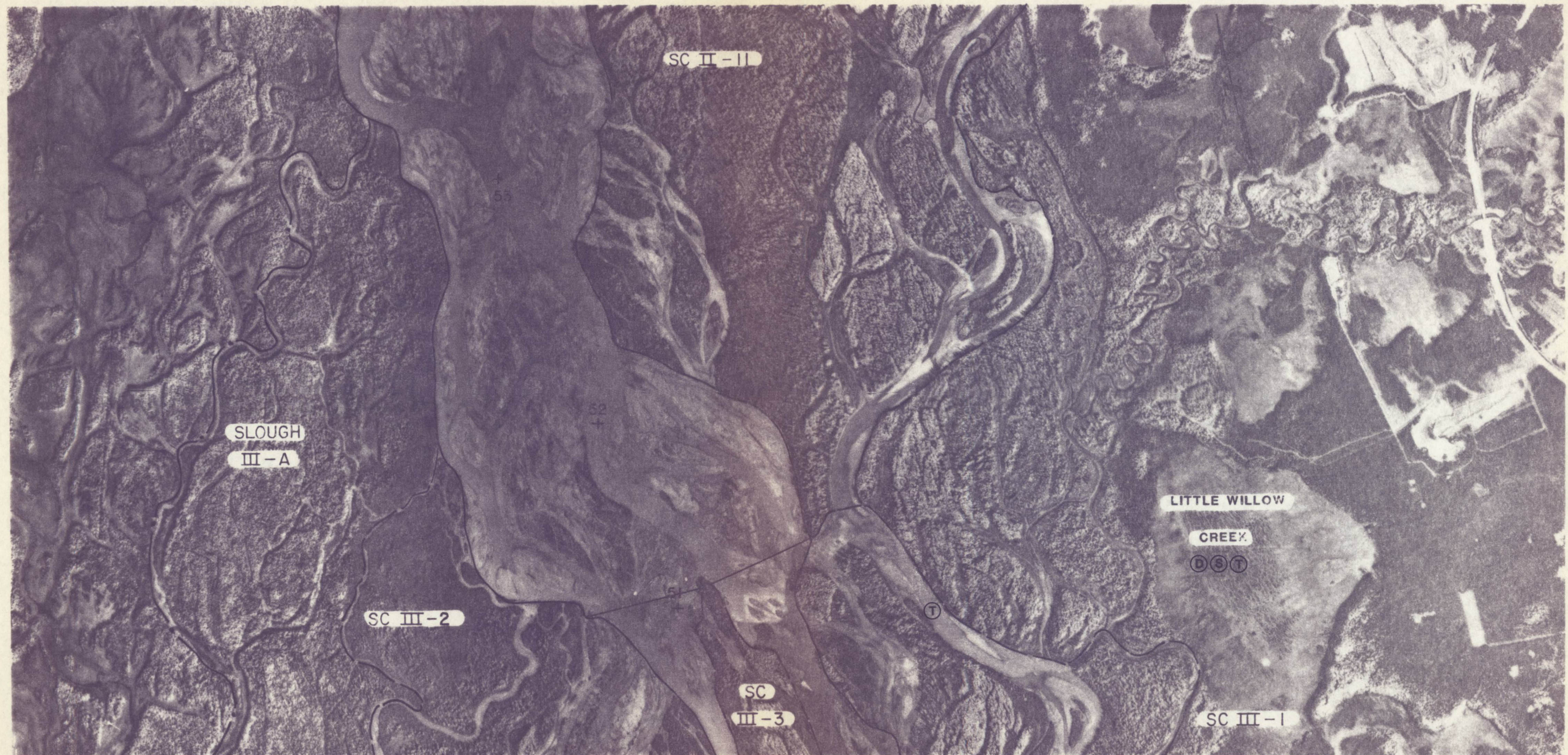
SCALE: 1" = 2000'

SHEET: 12 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
WQ	WATER QUALITY
T	CONTINUOUS WATER TEMPERATURE

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

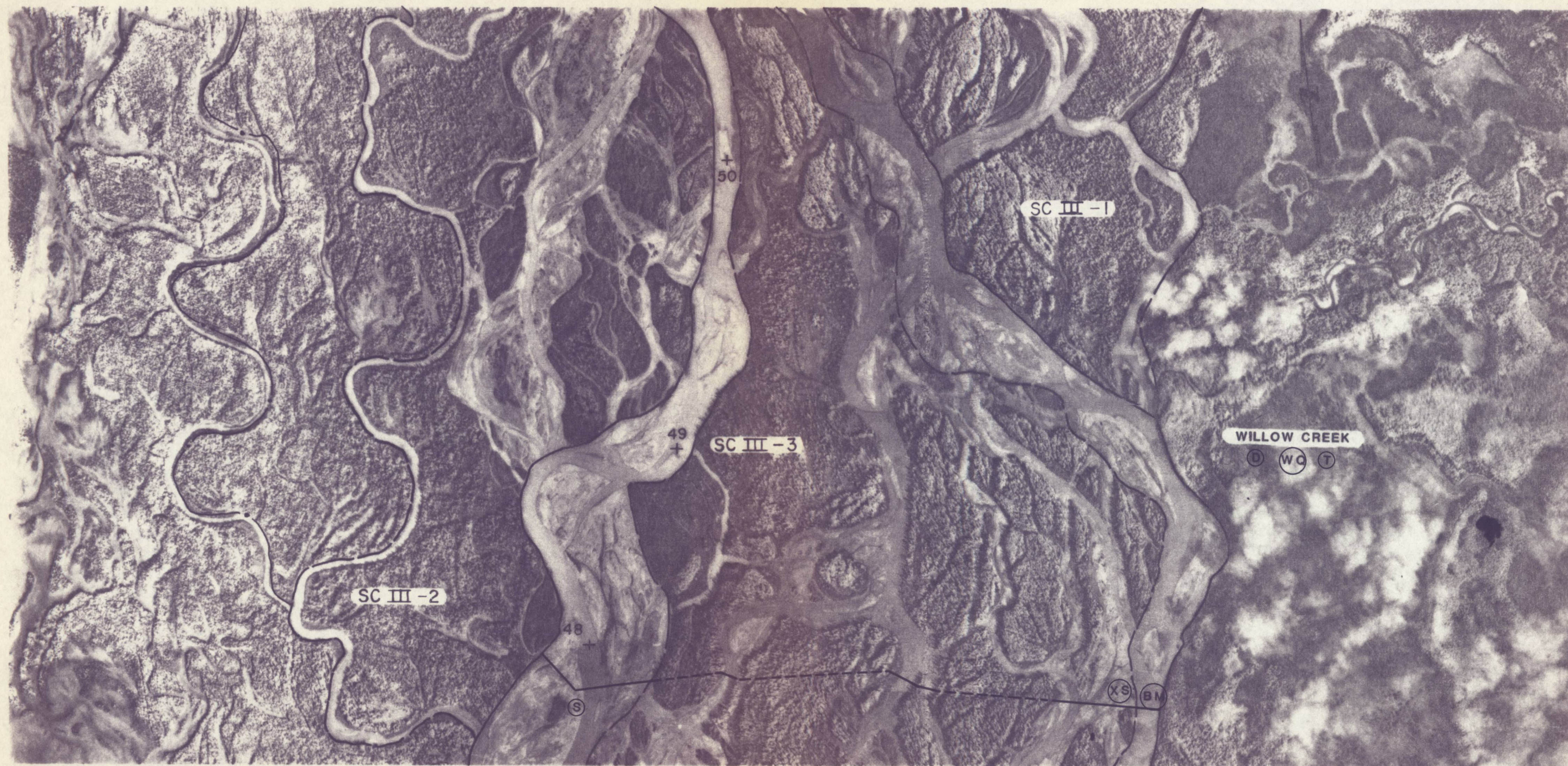
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

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

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SUSITNA JOINT VENTURE



SYMBOL KEY

D	CONTINUOUS DISCHARGE
D	MISCELLANEOUS DISCHARGE
S	STAGE
WQ	WATER QUALITY
T	CONTINUOUS WATER TEMPERATURE

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

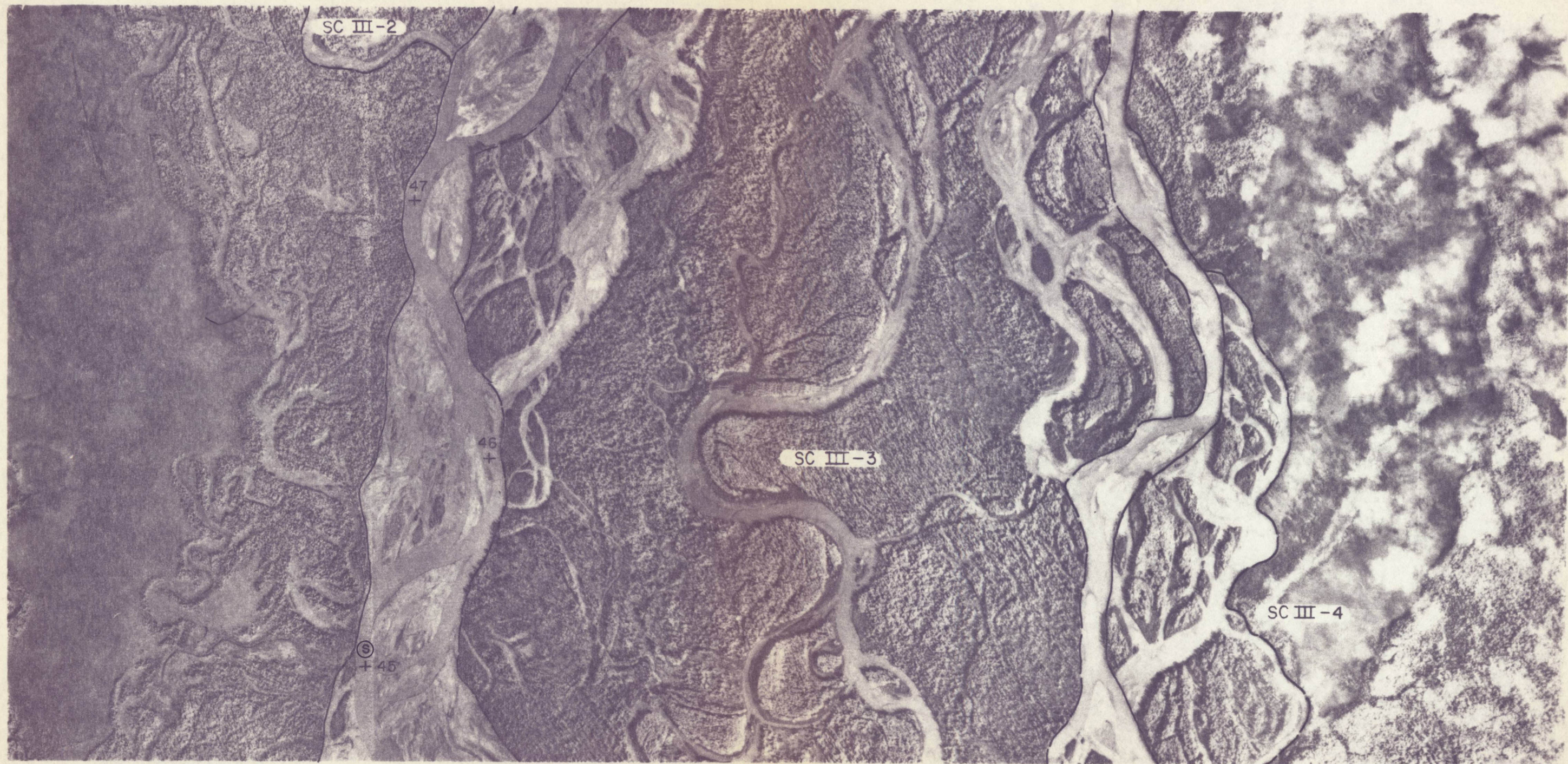
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SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

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

PSM
PSM CONSULTANTS, INC.

HARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

D	CONTINUOUS DISCHARGE
D	MISCELLANEOUS DISCHARGE
S	STAGE
WG	WATER QUALITY
T	CONTINUOUS WATER TEMPERATURE

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

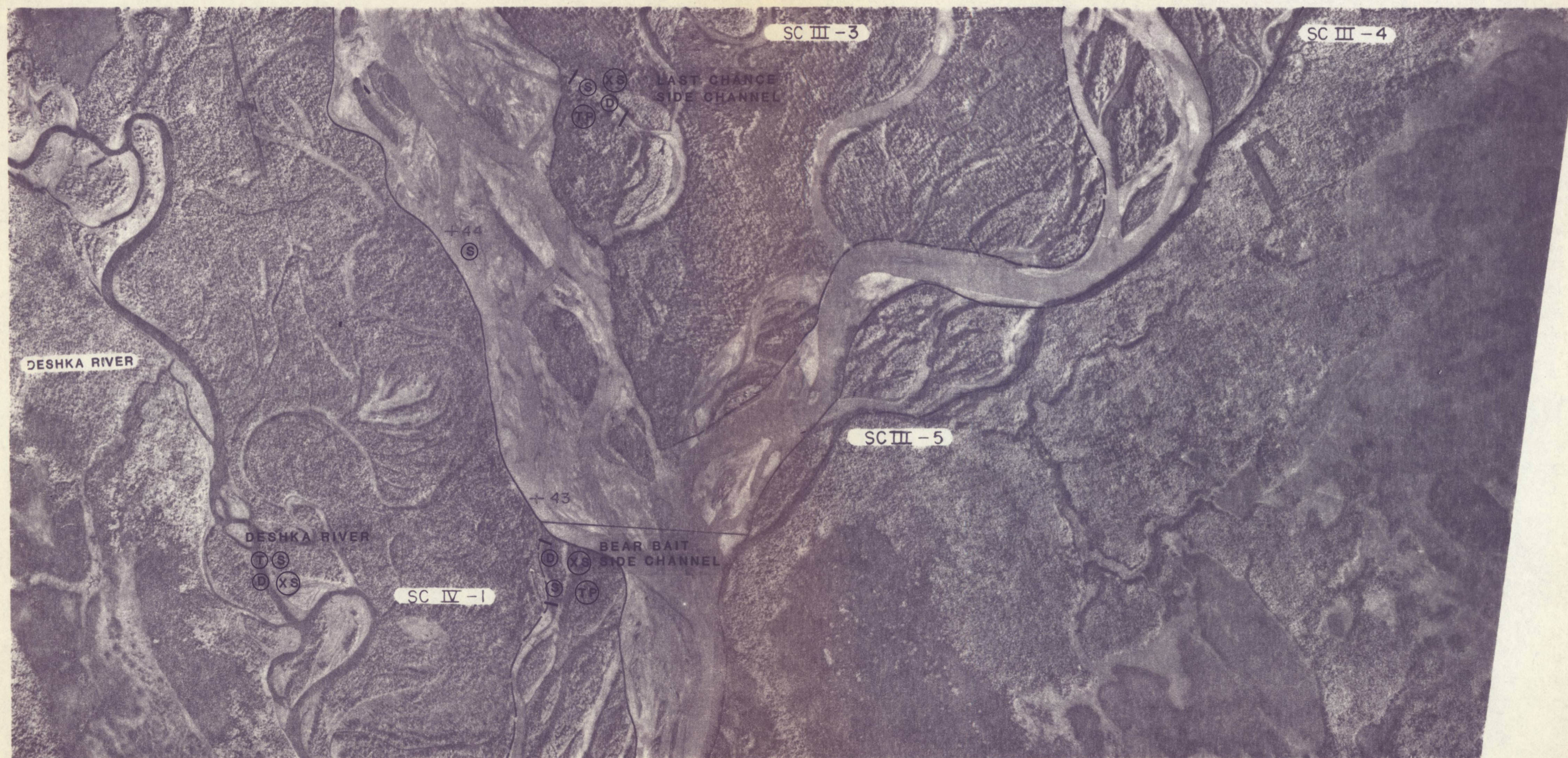
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SUSITNA HYDROELECTRIC PROJECT

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-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

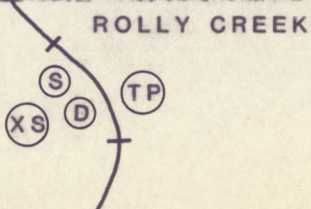
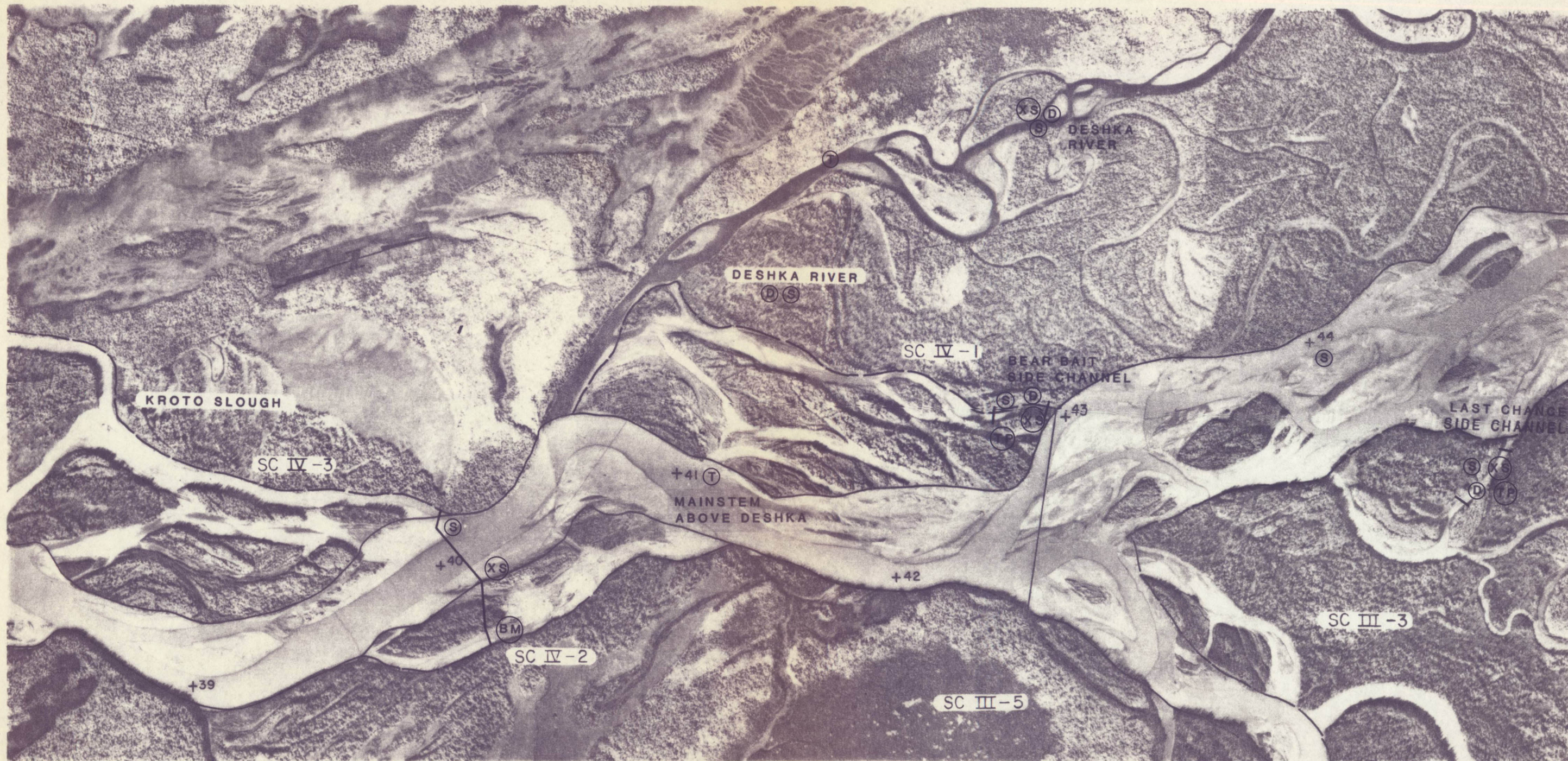
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

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

FSM
FISHER 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 17 OF 28
DATE 2-7-84



MARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- (D) CONTINUOUS DISCHARGE
- (D) MISCELLANEOUS DISCHARGE
- (S) STAGE
- (WO) 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)

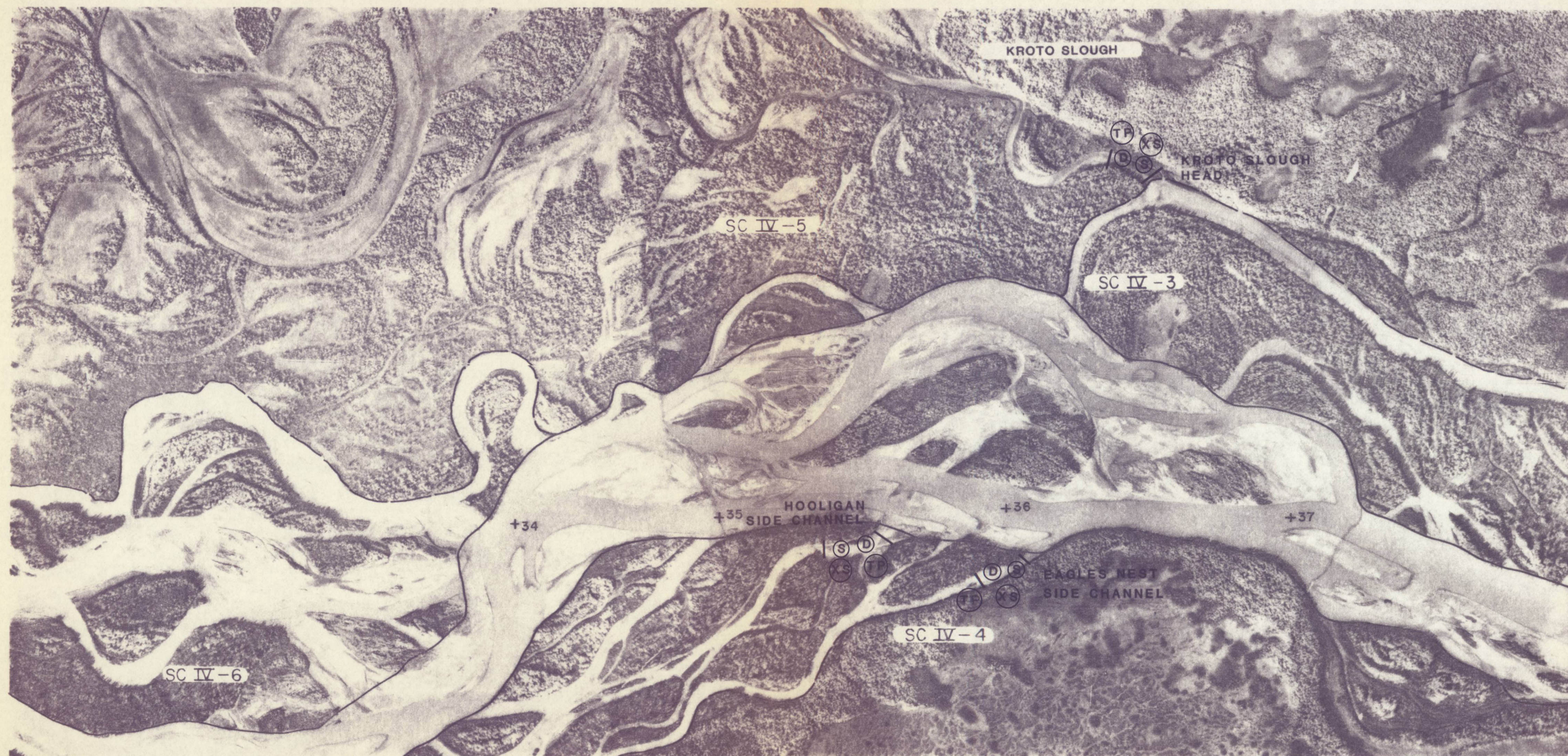
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

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

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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

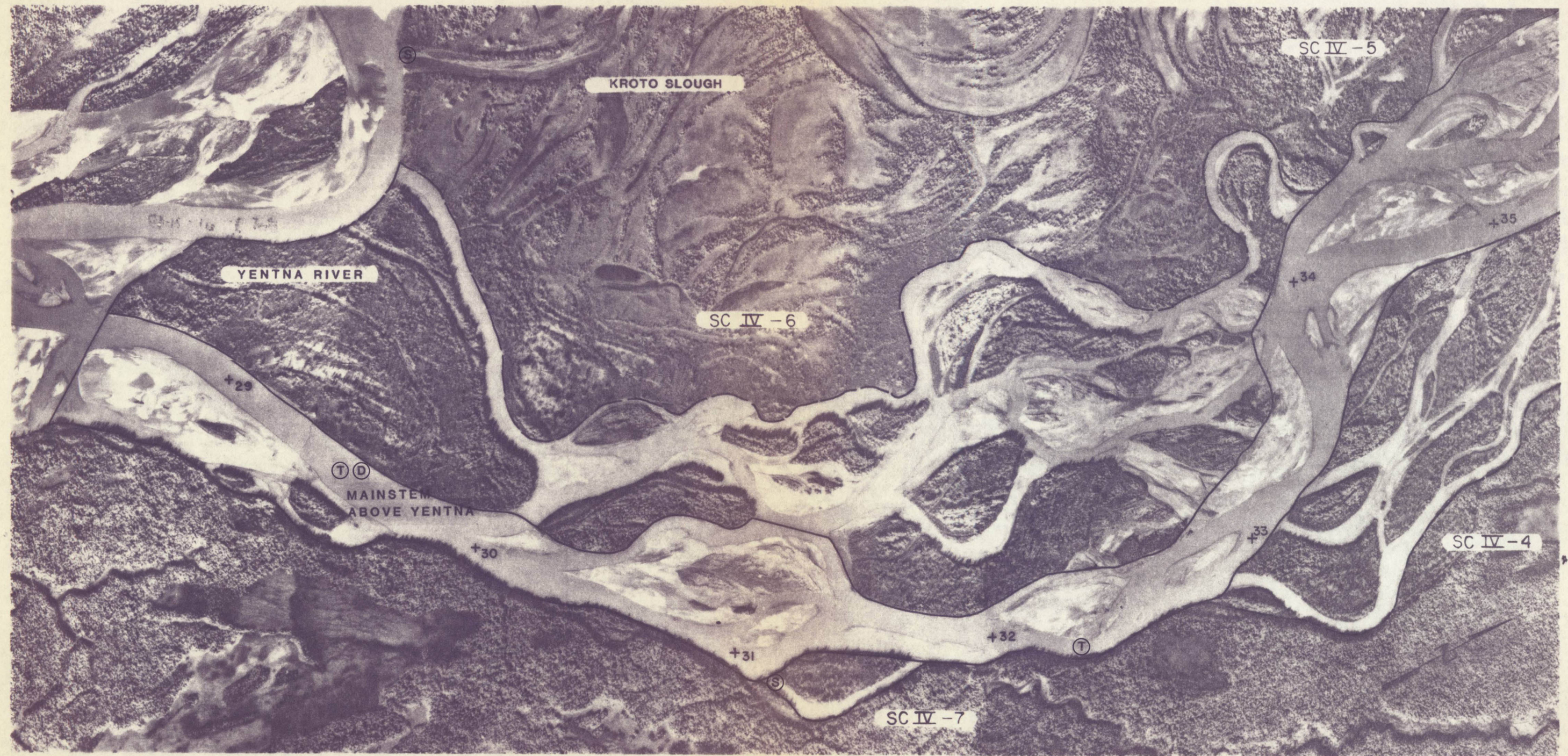
ALASKA POWER AUTHORITY
 SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

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

RSM
 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

PSM
PSM CONSULTANTS, INC.

HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- (D) CONTINUOUS DISCHARGE
- (D) MISCELLANEOUS DISCHARGE
- (S) STAGE
- (WQ) WATER QUALITY
- (T) CONTINUOUS WATER TEMPERATURE

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

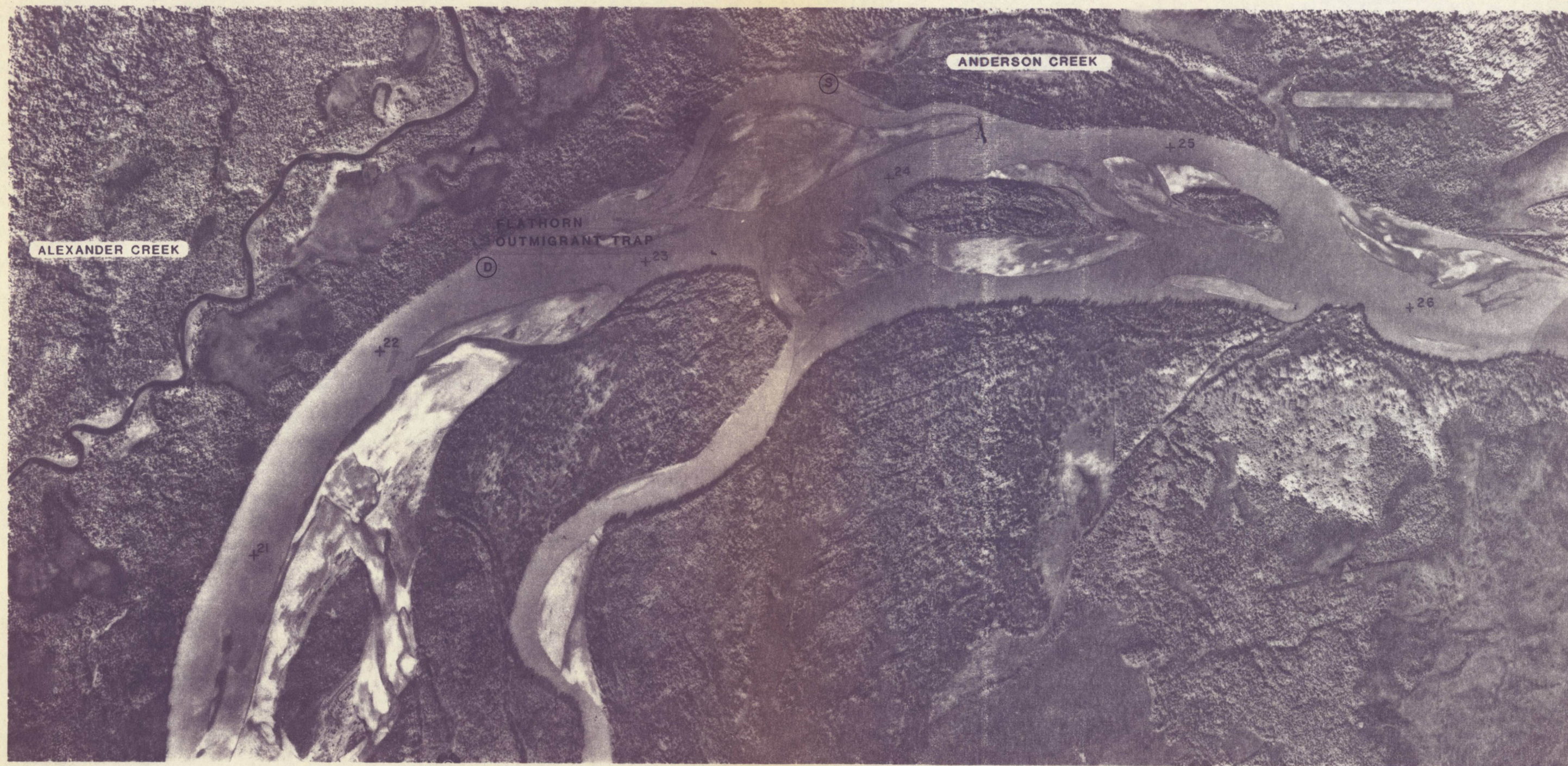
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

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

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R&M CONSULTANTS, INC.

HARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- D CONTINUOUS DISCHARGE
- D MISCELLANEOUS DISCHARGE
- S STAGE
- WQ 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: 22 OF 28
DATE: 2-7-84

RSM
R&M CONSULTANTS, INC.

MARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- [D] CONTINUOUS DISCHARGE
- [D] MISCELLANEOUS DISCHARGE
- [S] STAGE
- [WQ] WATER QUALITY
- [T] CONTINUOUS WATER TEMPERATURE

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

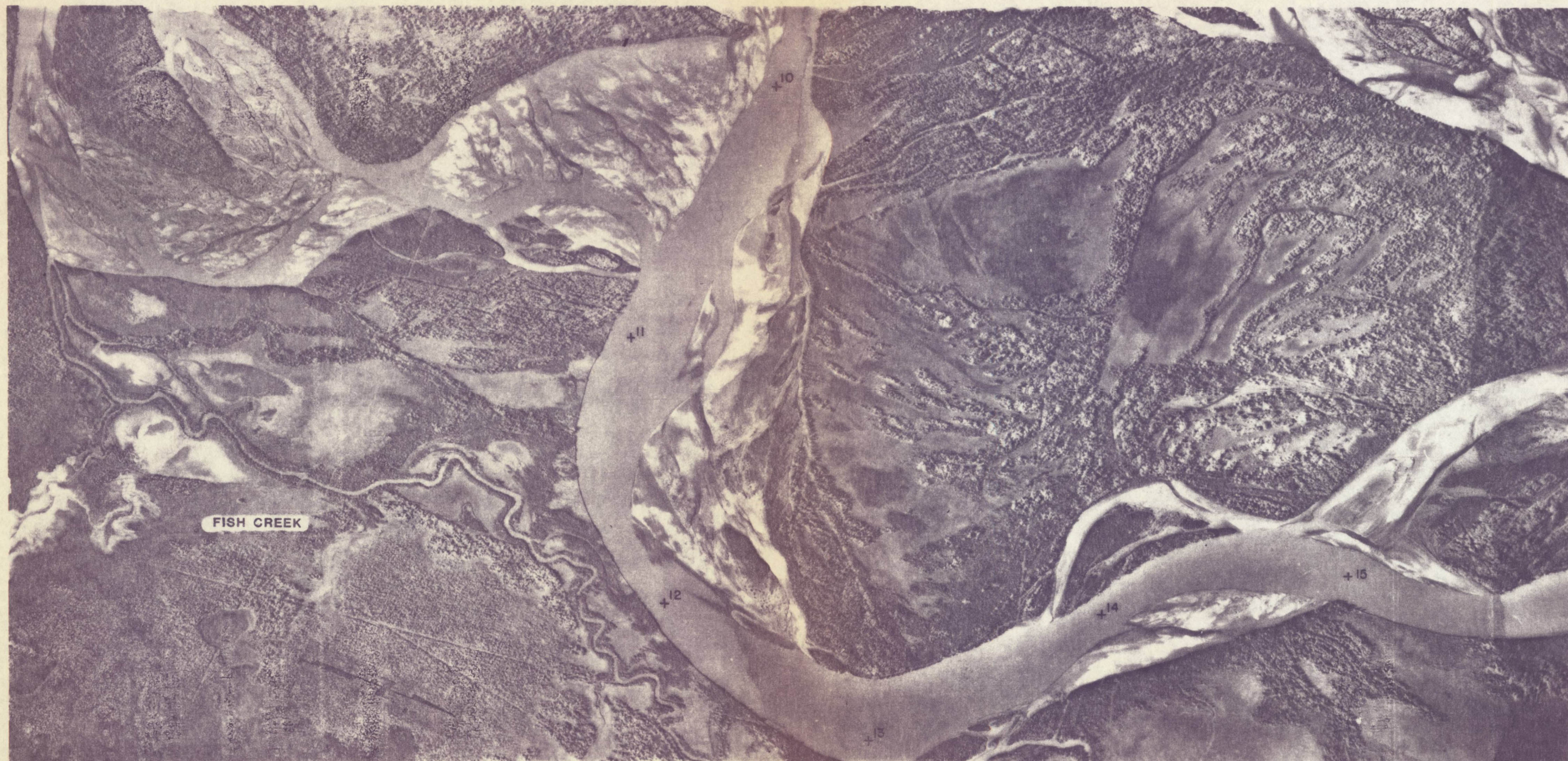
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

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

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HARZA-EDASCO
SUSITNA JOINT VENTURE



FISH CREEK

SYMBOL KEY

- [D] CONTINUOUS DISCHARGE
- [D] MISCELLANEOUS DISCHARGE
- [S] STAGE
- [WO] 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: 24 OF 28
DATE: 2-7-84

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PSM CONSULTANTS, INC.

HARZA-EBASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- D CONTINUOUS DISCHARGE
- D MISCELLANEOUS DISCHARGE
- S STAGE
- WQ 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: 25 OF 28
DATE: 2-7-84

RSM
RSM 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

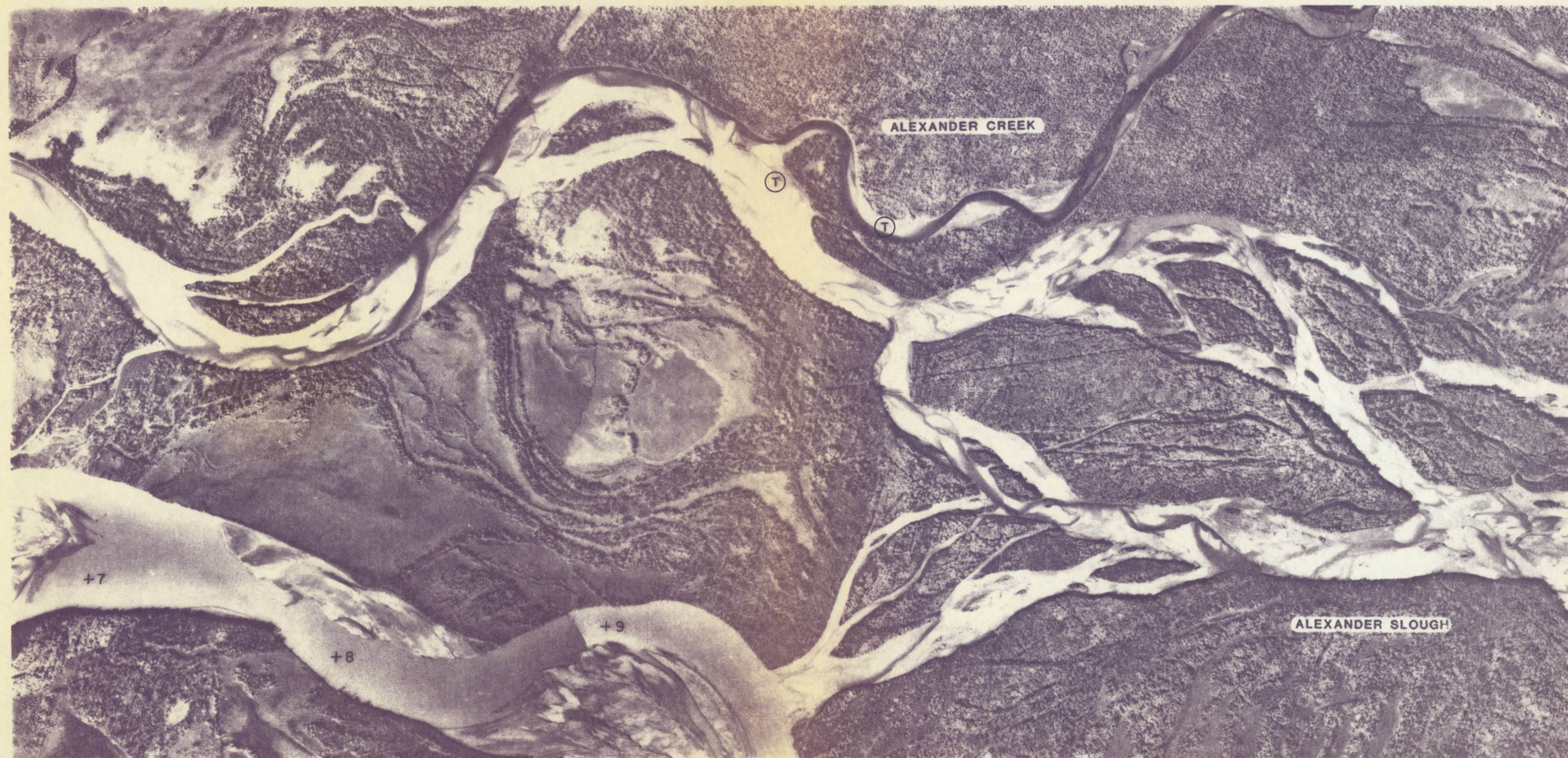
ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY: SEPT 16, 1983
SCALE: 1"=2000'
SHEET: 26 OF 28
DATE: 2-7-84

RSM
RIVER CONSULTANTS, INC.

HARZA-EDASCO
SUSITNA JOINT VENTURE



SYMBOL KEY

- [D] CONTINUOUS DISCHARGE
- [D] MISCELLANEOUS DISCHARGE
- [S] STAGE
- [WQ] 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

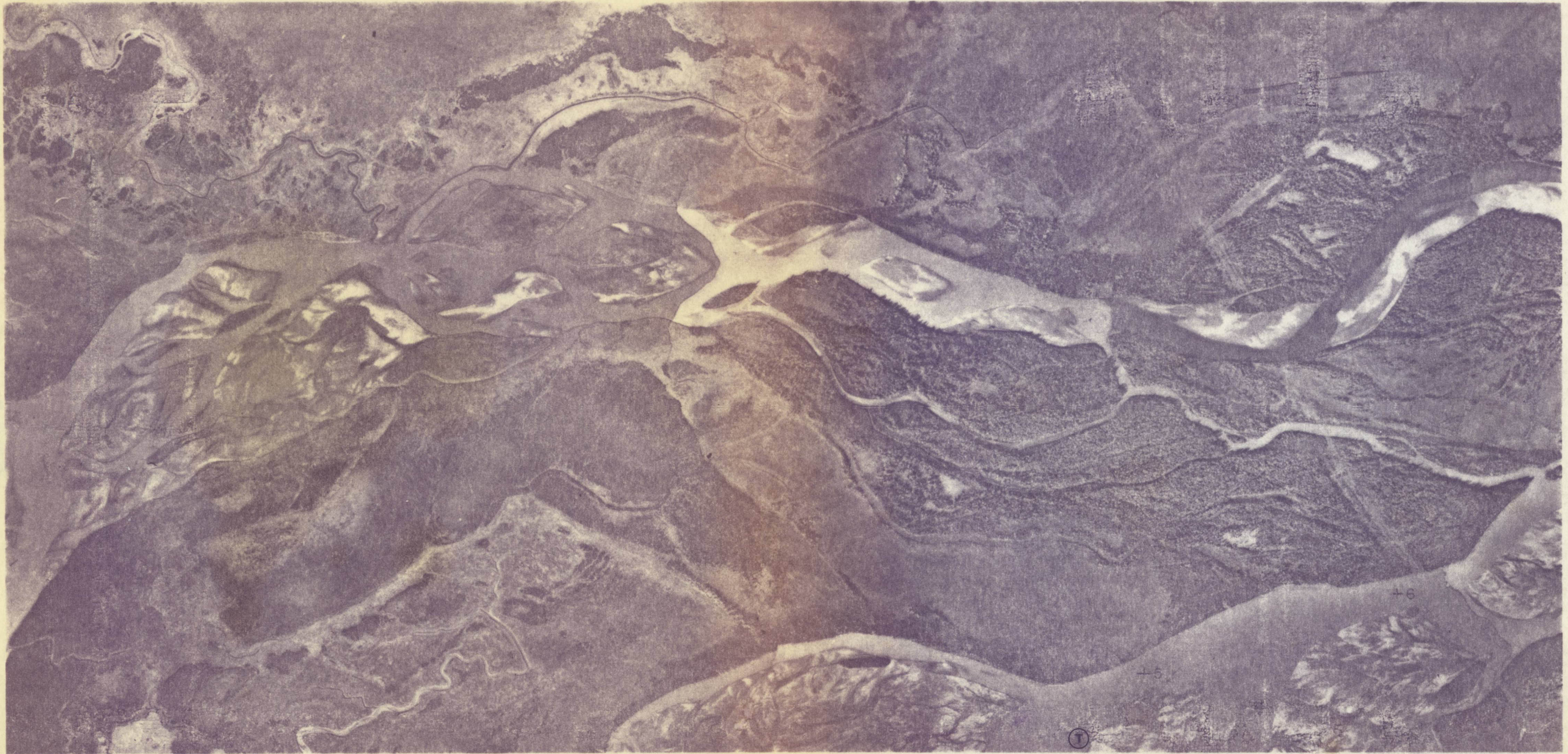
LOWER SUSITNA RIVER

DATE OF PHOTOGRAPHY SEPT. 16, 1983
SCALE: 1" = 2000' SHEET: 27 OF 28
DATE: 2-7-84

PSM
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HARZA-EBASCO
SUSITNA JOINT VENTURE

Fig. 1-2
 1-2-83
 G. J. G.



SYMBOL KEY

[D]	CONTINUOUS DISCHARGE	(T)	WATER TEMPERATURE
(D)	MISCELLANEOUS DISCHARGE	(SS)	SUSPENDED SEDIMENT
(S)	STAGE	(BL)	BEDLOAD
(WQ)	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: 28 OF 28
 DATE: 2-7-84

RSM
 R&M CONSULTANTS, INC.

HARZA-EBASCO
 SUSITNA JOINT VENTURE