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SUSITNA HYDROELECTRIC PROJECT

RESPONSE OF AQUATIC HABITAT SURFACE AREAS TO MAINSTEM DISCHARGE IN THE TALKEETNA TO DEVIL CANYON REACH OF THE SUSITNA RIVER, ALASKA

By

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Harza-Ebasco Susitna Joint Venture

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ACKNOWLEDGEMENTS

Aerial photography was flown and continuous photo mosaics prepared by Air Photo Tech, Inc., Anchorage, Alaska, under contract to the Harza-Ebasco Susitna Joint Venture. The aerial photography missions were scheduled through Mr. Steve Bredthauer, R&M Consultants, Inc., Anchorage, Alaska. He did an exceptional job given the highly variable nature of streamflow and weather conditions.

ADF&G for use of their equipment?

ADNR for technical assistance in digitizing

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INTRODUCTION

The proposed Susitna hydroelectric project will alter the natural streamflow, thermal, and sediment regimes of the Susitna River. The river segment downstream from Devil Canyon to the Chulitna River confluence (Talkeetna) would experience notable alterations in natural occurring streamflow patterns, due to its proximity to the proposed damsites and the limited amount of influence that tributary inflows have on total discharge in this river segment. With-project mainstem discharges, as measured at the U.S. Geological Survey (USGS) Gold Creek gaging station, are expected to be lower during summer and notably higher during winter months.

Five species of Pacific salmon and 15 resident fish species utilize a variety of aquatic habitats in the Talkeetna-to-Devil Canyon reach of the Susitna River. Alteration of the natural streamflow patterns by construction and operation of the proposed Susitna hydroelectric project is expected to affect the amount and seasonal availability of the aquatic habitats presently being utilized by these species.

Knowledge of the location and amount of aquatic habitats occurring in the Talkeetna-to-Devil Canyon reach at various different mainstem discharges will facilitate forecasting the effects of reduced mid-summer streamflows on the availability of aquatic habitat to resident and anadromous fish. This report describes the surface area response of six aquatic habitat types to changes in mainstem discharge.

Aquatic habitat mapping and surface area measurements on 1 inch=1,000 feet aerial photography were used to determine the location and amount of fish habitat within the Talkeetna-to-Devil Canyon reach of the Susitna River at mainstem flows of 23,000, 16,000, 12,500, and 9,000 cubic feet per second (cfs). These discharges provide an adequate basis for estimating the magnitude of anticipated changes in the amount and availability of aquatic habitat as a result of construction and operation of the proposed project. However, this report makes no statements concerning the suitability of the habitat areas for habitation by fish, nor how the quality of these habitats may change in response to varying mainstem discharges.

METHODS

Habitat Type Designations

Riverine habitats associated with the Susitna River between Talkeetna and Devil Canyon were classified into six general categories: mainstem, side channel, side slough, upland slough, tributary mouth, and tributary. Although riverine habitat is influenced by channel geometry, these six general categories are not defined as fixed geographical locations along the river. Each habitat category has a unique set of visually recognizable attributes that respond to changes in mainstem discharge, and which are used to determine the type of aquatic habitat that occurs at a particular location. For example, an area described as a side slough habitat would be classified as side channel habitat when turbid mainstem water overtops the upstream head of the slough and inundates the former clear water area.

The six aquatic habitat categories used in this analysis are described below. These descriptions are limited to physical characteristics that can be easily recognized from the air during helicopter reconnaissance flights. A more detailed description of each aquatic habitat type has been prepared by the Alaska Department of Fish and Game (ADF&G) (1983).

Mainstem habitats are characterized by turbid, glacial water. The channel conveys more than 10 percent of the total flow at a given site.

Side channel habitats also contain turbid, glacial water. These channels convey less than 10 percent of the total flow.

Side slough habitats contain clear water. Local surface water runoff and upwelling are the primary water sources that supply clear water to the side sloughs. Side sloughs have nonvegetated upper thalwegs that are overtopped during periods of moderate to high mainstem discharge. Once overtopped, side sloughs are considered side channels.

Upland sloughs are clear water habitats that depend upon upwelling and/or local runoff as their clear water sources. Upland sloughs possess vegetated upper thalwegs that are seldom overtopped by mainstem discharge.

Tributary mouth habitats are clear water habitats that exist where tributary contributions to the mainstem are visible. These habitats are manifest as a clear water plume extending into the turbid mainstem or side channel. The size of this plume is influenced by the amount of tributary discharge and adjacent mainstem water surface elevations.

Tributary habitats are clear water reaches of tributary streams upstream of the tributary mouth habitats.

Nonwetted areas were classified as vegetated islands, exposed streambank and gravel bars, or background area. The background area consists of both wetted and nonwetted surface areas that are within the river corridor but are not relevant to the analysis. Individual surface areas were classified by using a descriptive key adapted from the ADF&G SuHydro classification index for aquatic habitat types and by incorporating staff thought process when classifying individual habitat areas during their helicopter reconnaissance flights (Figure 1).

Field Methods

Complete photographic coverage was obtained of the Talkeetna-to-Devil Canyon reach at four streamflows. Black-and-white aerial photographs were obtained at an approximate scale of 1 inch=1,000 feet with a 60 percent overlap between adjacent photos when Susitna River discharges as measured at the USGS Gold Creek gaging station (#15292000) were 23,000, 16,000, 12,500, and 9,000 cfs.

Helicopter reconnaissance flights were conducted by E. Woody Trihey and Associates over the Talkeetna-to-Devil Canyon reach at the same mainstem discharges at which the aerial photography was obtained. Three additional reconnaissance flights were conducted when mainstem discharges were 7,290, 10,600, and 20,900 cfs. During each of these reconnaissance flights, habitat types were identified using the key presented as Figure 1 and their locations were mapped on 1 inch=1,000 feet blueline prints of the Susitna River. Dewatered gravel bars and streambank areas were

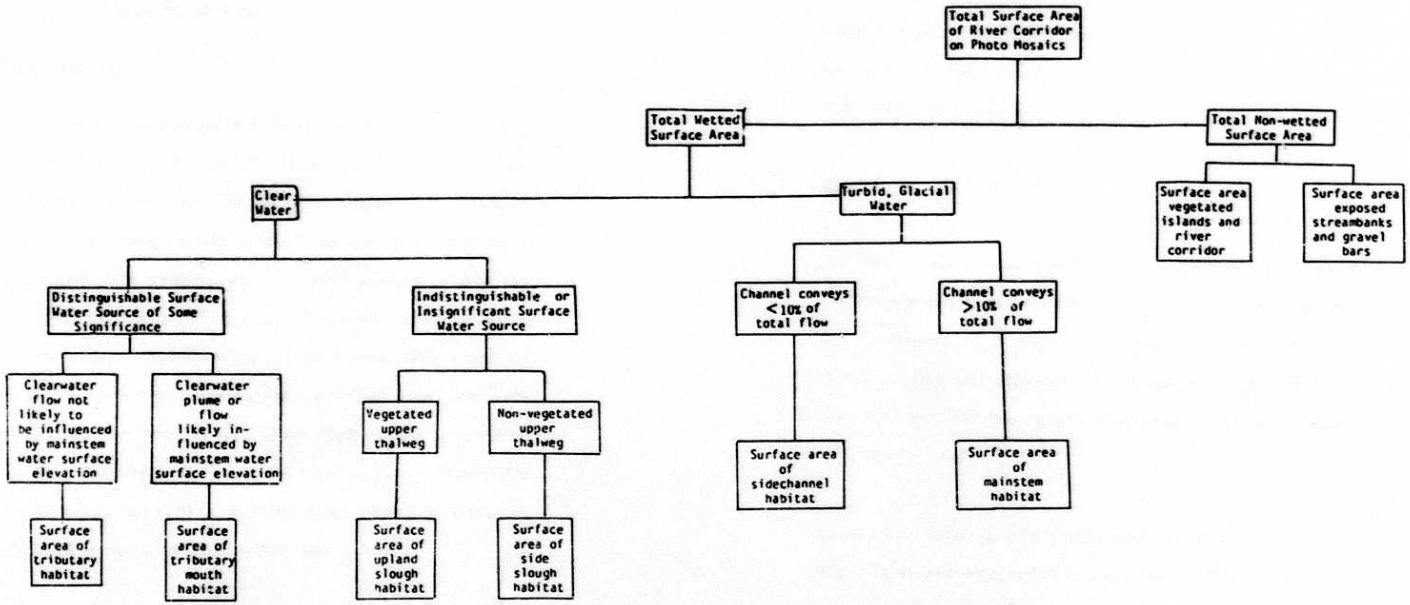


Figure 1. Key to aquatic habitat classification for the Talkeetna-to Devil Canyon reach of the Susitna River (RM 101 to 149).

sketched on the blueline prints as were boundaries of the various aquatic habitat types.

Office Procedures

Photo Plates and Enlargements

Photographic mosaics were prepared by Air Photo Tech, Inc. from the overlapping black-and-white photos to provide continuous 1 inch=1,000 feet coverage of the Talkeetna-to-Devil Canyon river segment for each of the four flows. The photo mosaics were subdivided into eighteen sections of approximately the same length, with a small amount of overlap between adjoining river sections. The same dividing lines between adjoining segments were maintained for all four flows, and a set of eighteen 4-1/2 inch by 15 inch photo plates were printed from the sectioned mosaics for each of the four flows. Each photo plate was carefully examined and areas that were too small in size on the 1 inch=1,000 feet photography to provide detailed resolution of small or complex habitats were enlarged to a scale of 1 inch=250 feet.

Habitat Type Boundaries

Aquatic habitat boundaries mapped on the blueline prints during the helicopter reconnaissance flights were transferred to individual photo plates and enlargements. Matchlines were drawn on adjoining plates to ensure that habitat areas would not be counted twice within any of the overlapping coverage near the edges of photo plates. The boundary of each enlargement area was established using identifiable features in the

photography and drawn on both the plate and the individual enlargement to ensure that areas within the enlargement could be summed and compared with the enlargement area on the plate. The external boundaries of the total area to be included in the surface area analysis (hereafter referred to as the corridor area) were defined on each plate, so that all areas within the corridor area could be totaled and compared with the total corridor area.

Digitizing

Surface area measurements were made using a Numonics Corporation Electronic Graphics Calculator and Model 2400 DigiTablet. By tracing the perimeter of a given area, the area contained within the perimeter is calculated and displayed to an accuracy of 0.0001 square inches. For the 1 inch=1,000 feet scale photography, this represents an accuracy of 100 square feet.

Each individual photo plate and its accompanying enlargements were digitized and evaluated separately. The total surface area of the corridor was digitized to establish a control area. Each individual habitat area excluding those within a designated enlargement were then assigned a unique sequential number and their surface areas digitized. Replicate digitized measurements were made for each individual area to insure repeatability within 5 percent.

Following completion of these area measurements, the total surface area of enlargements appearing on the plate were digitized. Individual areas within each enlargement were then assigned a unique sequential number

following the last number assigned to an individual area on the photo plate or previous enlargement. These areas were then digitized and the individual areas totaled for comparison to the total digitized area of the enlargement.

Following completion of digitizing for a given plate, individual area measurements were summed and compared to the total area measurement for the corridor. A difference of less than 5 percent was considered acceptable. This procedure was repeated for all 18 photo plates at each of four flows. Thus, each digitized area on a photo plate or its associated enlargements had a unique identifying number associated with all four flows, and the sum total of these individual areas was within 5 percent of the total corridor area.

Data Base

Area measurements were entered into a computerized data base for storage, sorting and subsequent analysis. Each individual surface area measurement was entered as a separate record with its unique address that enabled identification by flow, photo plate (corresponding to a river mile index), and individual area number. Data were retrievable in a variety of formats: by flow, by river mile index, or by retrieving and combining specific individual areas. In this way, the influence of mainstem discharge on the surface area of specific habitat types or locations could be routinely investigated.

Correction factors were entered to standardize all measurements to a common scale of 1 inch=1,000 feet. Surface areas within all enlargement areas were divided by a factor of 16 to account for the four-fold difference in scale between 1 inch=250 feet and 1 inch=1,000 feet. Due to poor weather and associated low ceilings, the 9,000 cfs photography was flown at a scale of 1 inch=920 feet whereas the other three sets of photography were obtained at a scale of 1 inch=1,000 feet. Therefore, all surface area measurements for the 9,000 cfs photography were multiplied by a factor of 0.85 to correct for this difference in scale.

Analysis Procedures

Total surface areas were calulated for the entire control corridor between Talkeetna and Devil Canyon by aquatic habitat type for each of the four flows. Summations of surface area for the corridor and aquatic habitat types were also made by individual plate. Percentages of the total surface area represented by each habitat type was calculated for each of the four flows by river reach and individual plate.

A series of procedures were employed to evaluate the reliability of the digitizing. These procedures identified flow-dependent trends in the digitized data that would verify the accuracy and consistency of the methodology. Comparisons were made between total surface areas digitized at each of the four flows for the corridor, vegetated bar, background, and tributary areas. In addition, percentages of the total surface area represented by each aquatic habitat type were calculated as were the percentages of total surface area for exposed gravel, vegetated bars and

background area at each of the four flows. These percentages were summed and the deviation from 100 percent was determined.

The magnitude of surface area change in individual habitat types in response to changes in mainstem discharge was determined. The 23,000 cfs aerial photography was chosen as being representative of typical mid-summer discharge conditions for the Susitna River in the Talkeetna-to-Devil Canyon reach (Bredthauer and Drage, 1982), and the percent change in surface areas was calculated as measured from the mid-summer baseline of 23,000 cfs.

Finally, the Talkeetna-to-Devil Canyon reach was subdivided into four segments that reflect different geomorphological characteristics, and the surface areas of each habitat type within these segments were presented as functions of streamflow.

RESULTS

Total surface areas within the control corridor are presented in Table 1 by aquatic habitat type and sub-area for each photo mosaic. Surface area values are presented in square inches with a precision of ± 0.0001 square inches.

Surface area of side slough habitats increased with decreasing mainstem discharge. Upland slough surface area showed a declining trend with decreasing discharges.

Table 1. Surface areas (in^2) within the control corridor for the Talkeetna-to-Devil Canyon reach by Flow (cfs)

HABITAT TYPE	Total Surface Area (in^2) for Streamflow Indicated			
	9,000	12,500	16,000	23,000
Mainstem	104.6359	124.1486	137.5642	162.7688
Side Channel	33.2784	48.0746	53.3598	54.0370
Side Slough	6.5888	5.3440	3.7434	2.2884
Upland Slough	.6134	0.6774	0.8813	1.1081
Tributary Mouth	0.4907	1.1409	1.1020	0.5261
Tributary	0.1464	0.1221	0.1225	0.1289
Gravel Bars	91.1114	74.8840	61.6966	35.5325
Vegetated Bars	74.6605	83.5851	92.1459	74.8437
Background	144.0751	160.9349	150.0208	144.9135
Total Corridor Area	455.6006*	498.9116	500.6365	476.1470

*Snow and shoreline ice complicated the digitizing of this set of photography.

Tributary mouth habitat was low at 9,000 cfs mainstem discharge, increased at flows of 12,500 and 16,000 cfs, then declined at 23,000 cfs. Surface area of vegetated bars remained relatively constant over the range of mainstem flows. Tributary habitat increased slightly with decreasing discharge.

The values presented in Table 1 were plotted to illustrate habitat types to changes in mainstem discharge as measured at the USGS Gold Creek gaging station (Figure 2). Surface areas of mainstem and side channel habitats increased with increasing mainstem discharge. Concurrently, exposed gravel bars decreased with increasing discharge.

Percentages of total surface area within the control corridor are presented in Table 2 by category for each of the four flows.

Table 3 presents the percentage change in the surface areas of each habitat type with decreasing mainstem discharge as calculated from a baseline flow of 23,000 cfs.

Figures 3-6 present the surface area response of individual habitat types to mainstem discharge in four segments of the Talkeetna-to-Devil Canyon reach. These segments are from river miles 101 to 113, 113 to 122, 122 to 138, and 138 to 149. The percentage of the total area that each habitat type represents varies for each of these river segments, but the general trends displayed by the entire study reach are also shown in these segments.

Figure 2. Surface area responses to mainstem discharge in the Talkeetna-to-Devil Canyon reach of the Susitna River (RM 101 to 149).

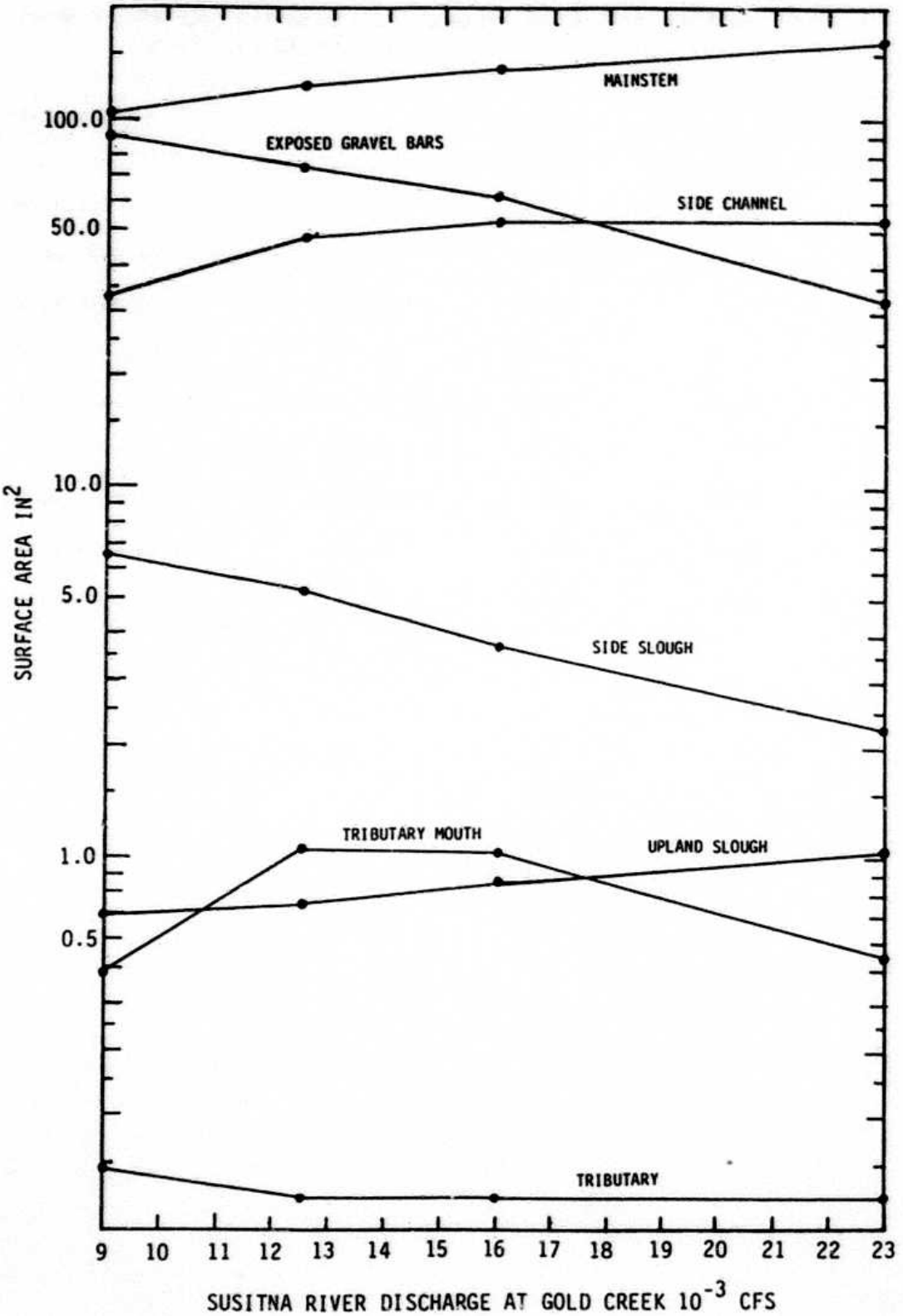


Table 2. Percentage of Total Corridor Surface Area by Category and Mainstem Discharge.

HABITAT TYPE	Percentage of Total Corridor Surface Area (In^2) by Streamflow (cfs) Indicated			
	9,000	12,500	16,000	23,000
Mainstem	22.93	24.88	27.48	34.18
Side Channel	7.29	9.64	10.66	11.35
Side Slough	1.44	1.07	0.75	0.48
Upland Slough	0.22	0.14	0.18	0.23
Tributary Mouth	0.11	0.23	0.22	0.11
Tributary	0.03	0.02	0.02	0.03
Gravel Bars	19.97	15.01	12.32	7.46
Vegetated Bars	16.36	16.75	18.41	15.72
Background	31.61	32.26	29.97	30.43

Table 3. Percent Difference in Aquatic Habitat Surface Areas Present at 23,000 cfs Flow

HABITAT TYPE	9,000	12,500	16,000
Mainstem	-35.72	-23.73	-15.48
Side Channel	-38.42	-11.03	-1.25
Side Slough	287.92	133.53	63.58
Upland Slough	-45.05	-38.87	-20.47
Tributary Mouth	-6.73	116.86	109.47
Tributary	13.58	-5.28	-4.97
Gravel Bars	156.42	110.75	73.63
Vegetated Bars	-0.24	11.68	23.12
Background	-0.58	11.06	3.52

Figure 3. Surface area responses to mainstem discharge in the Talkeetna to Lane Creek segment of the Susitna River (RM 101 to 113).

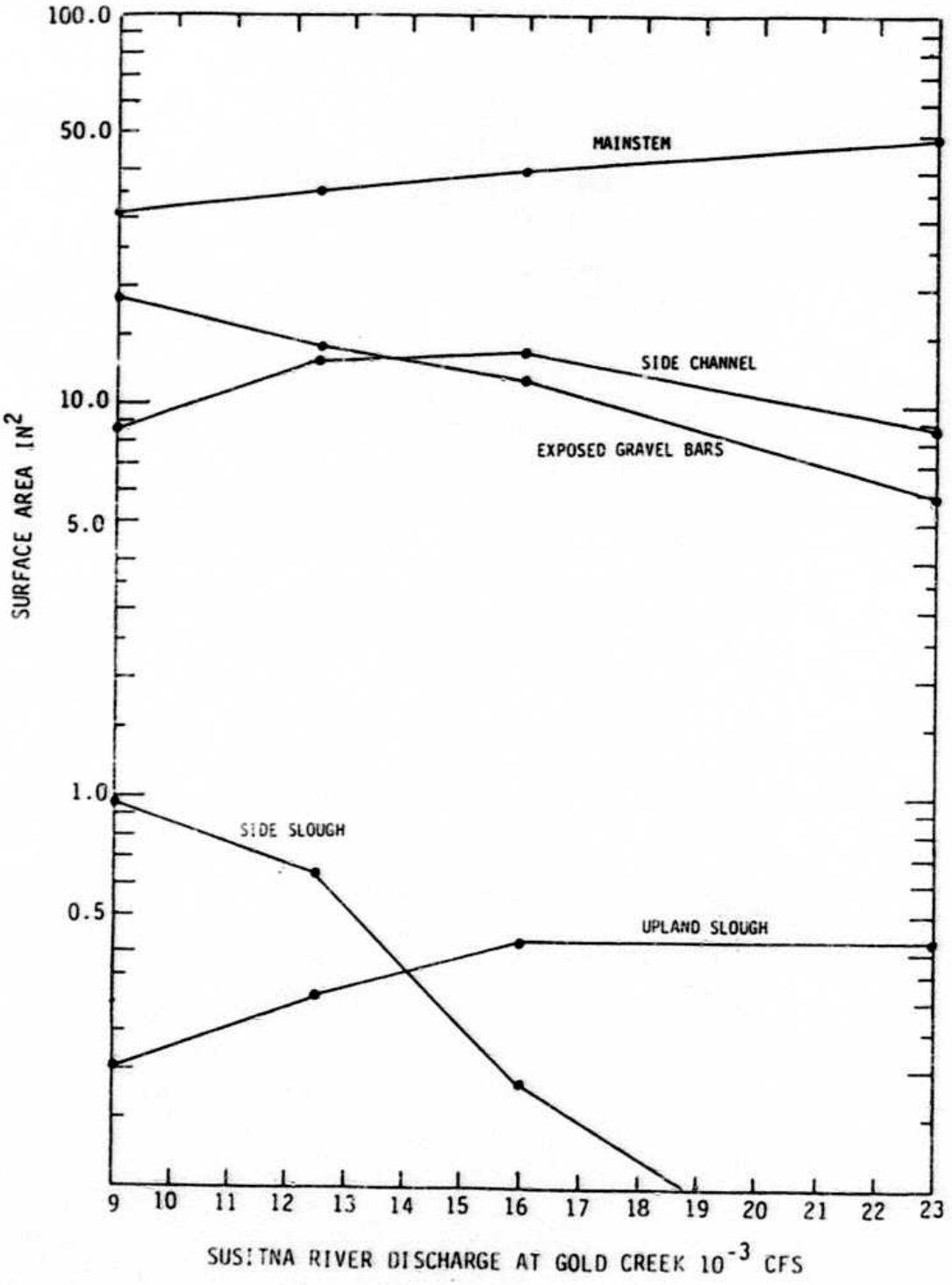


Figure 4. Surface area responses to mainstem discharge in the Lane Creek to Curry segment of the Susitna River (RM 113 to 122).

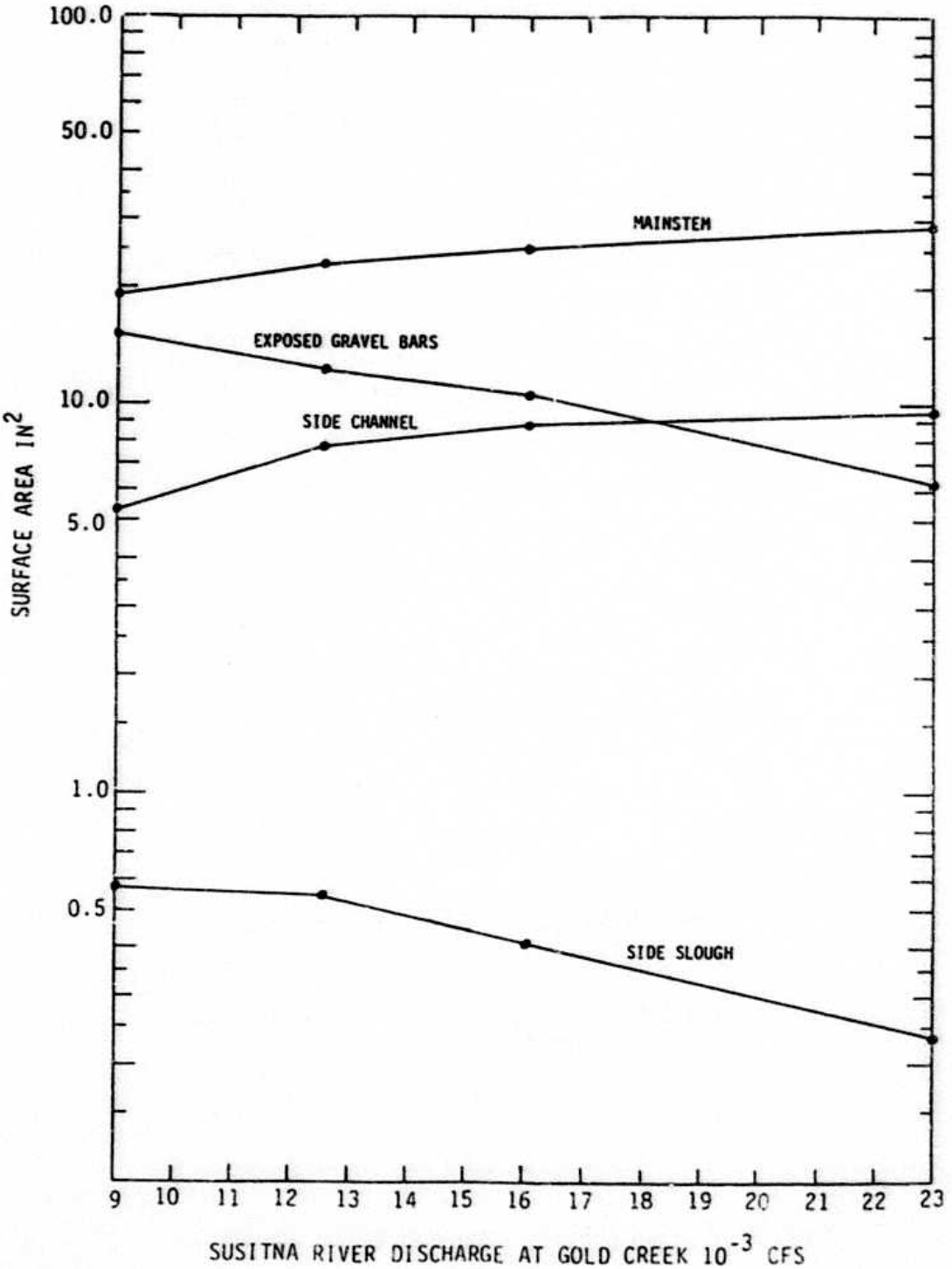


Figure 5. Surface area responses to mainstem discharge in the Curry to Gold Creek segment of the Susitna River (RM 122 to 138).

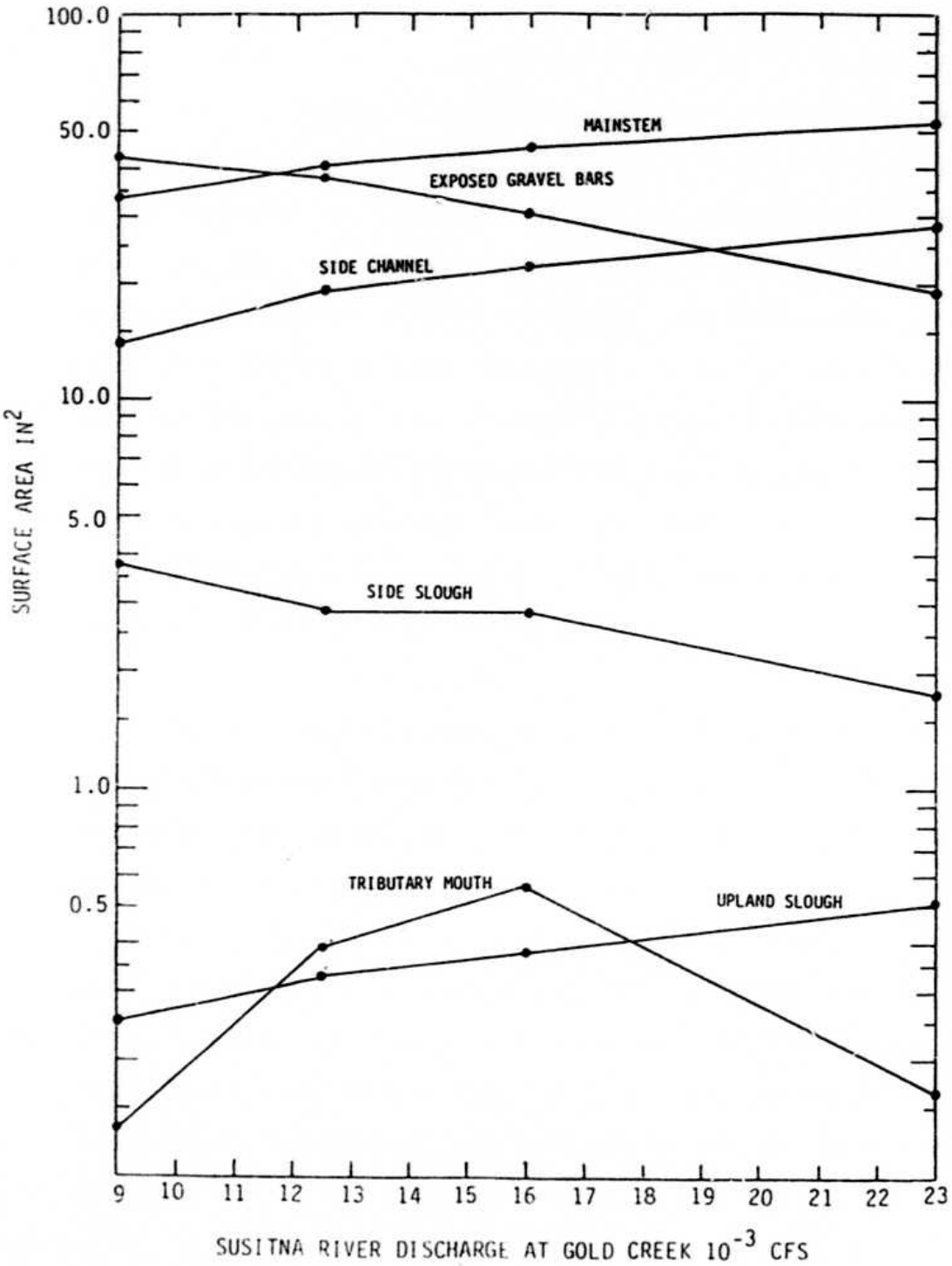
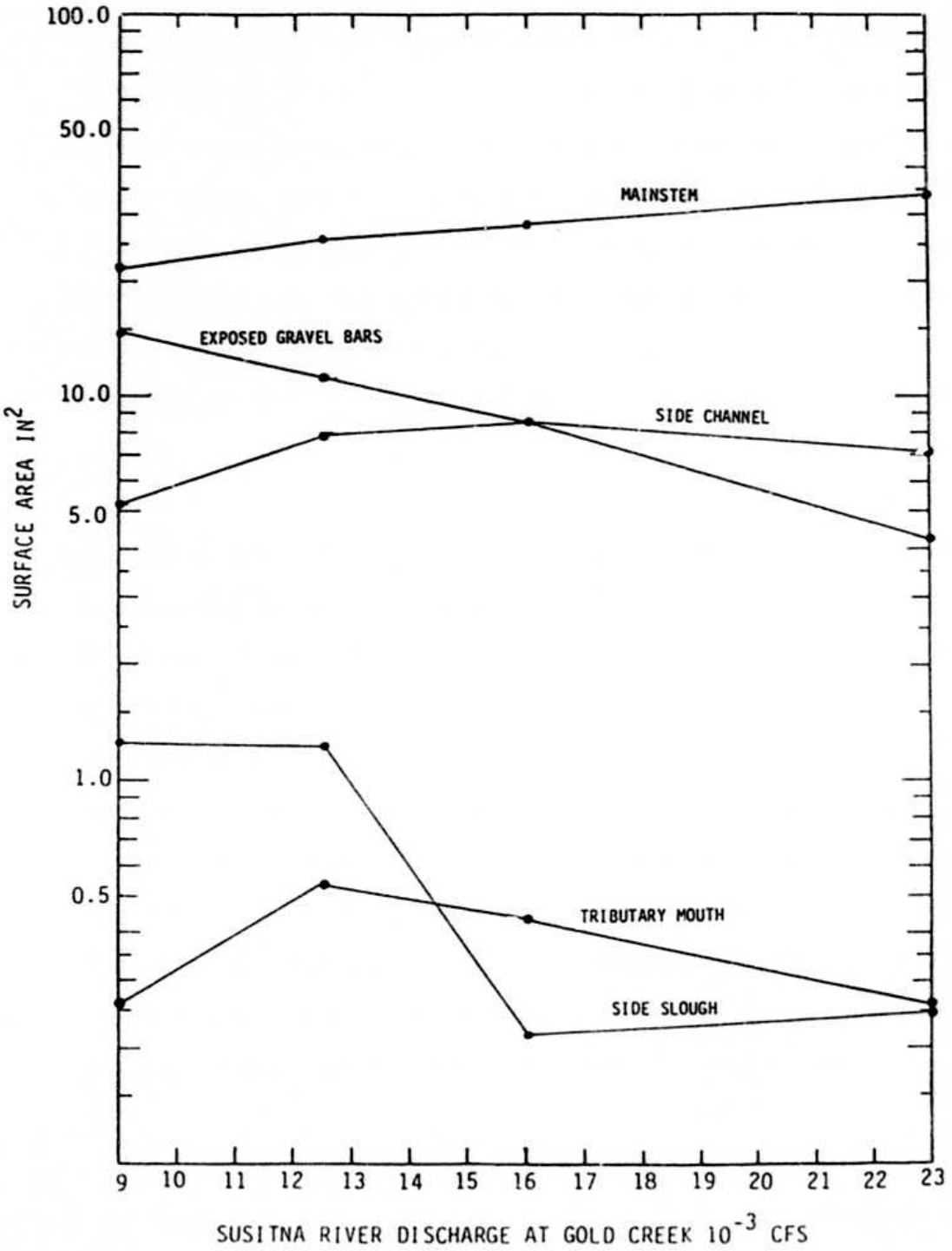


Figure 6. Surface area responses to mainstem discharge in the Gold Creek to Devil Canyon segment of the Susitna River (RM 138 to 149).



DISCUSSION

Air photo interpretation is highly dependent on the quality of the photography. Although clear and complete, each set of photography has particular characteristics that are a result of the time of day, date and weather conditions prevailing at the time the aerial photographic missions were flown. These characteristics can affect the extent to which certain detailed features are visible. The 9,000 cfs photography, obtained on October 10, 1983, was taken after ice had begun to form on the river and after snow had covered the ground. In some cases, this made the determination of the water's edge more difficult. In other cases, particularly for upland sloughs, the contrast of open water with the snow combined with the lack of foliage on the deciduous vegetation better defined the perimeter of the slough.

The 23,000 cfs photography, obtained on June 1, 1982, was taken with the sun at a high angle resulting in few shadows. In addition, the deciduous vegetation had not fully leafed-out, enabling better definition of water's edge and slough boundaries.

The 12,500 and 16,000 cfs photography, obtained on September 11, 1983 and September 6, 1983, respectively, were taken with the sun at a lower angle, resulting in more shadows. These shadows, in combination with fully-leafed out vegetation, made some surface area delineations difficult.

The procedures employed to evaluate the accuracy and reliability of the digitizing corroborated our techniques. Total surface areas of the control corridors were compared at four discharges and were found to deviate from 1.1 to 5.3 percent from the arithmetic mean for the Talkeetna-to-Devil Canyon reach. This indicates that a high level of precision was maintained during the digitizing and good replicability exists between the four sets of aerial photgraphy. Total surface areas for vegetated bars and background areas were compared between the four flows and were found to remain relatively constant. This would be expected due to the limited influence of the active channels on these areas.

Habitat categories used in this study represent a set of visually recognizable, streamflow dependent physical characteristics occurring in a particular area at a given time. These categories are not fixed geographical locations. Good examples of the flow-dependent nature of habitat categories are side sloughs and side channels. Side sloughs, by definition, are clear-water habitats with upwelling and surface water runoff being the major source of water. An exposed alluvial berm often separates the head of the slough from the active channel. When mainstem discharge increases and the berm is overtopped, turbid mainstem water flows into the channel and inundates the former clear water habitat. The channel now fits the description of a side channel habitat.

As mainstem discharge decreases, areas classified as side channels may become cutoff from mainstem flow and become clear water habitats. These areas are then classified as side sloughs. This classification makes no statement concerning habitat quality. Insufficient time and resources

were available to field verify the presence or absence of upwelling in these areas. Field verification is necessary to determine quality and suitability of these areas for fish habitat.

With decreasing mainstem discharge, the backwater effects at the downstream end of the sloughs were reduced. Thus the total surface area of the slough was increased as the sloughs flowed farther out to meet with mainstem or side channel water.

The primary effects of a reduction in mainstem discharge are associated with the reduction of mainstem and side channel habitat surface area and an increase in the amount of side slough and exposed gravel bar surface area. The changes in side channel and side slough surface areas reflect both the dewatering of areas as the flow is decreased and the change in classification.

Surface areas of tributary streams were summed and found to increase slightly at a mainstem discharge of 9,000 cfs. As widths of the mainstem channels decrease with decreasing discharge, tributaries must flow a somewhat greater distance and, therefore, tributary surface area increased at low mainstem discharge. Tributary mouth habitat is dependent on tributary flow as well as mainstem discharge and channel geometry. The reduction of tributary mouth habitat at 9,000 cfs may reflect a greater influence from low tributary flows that occurred in October rather than the influence of mainstem channel geometry.

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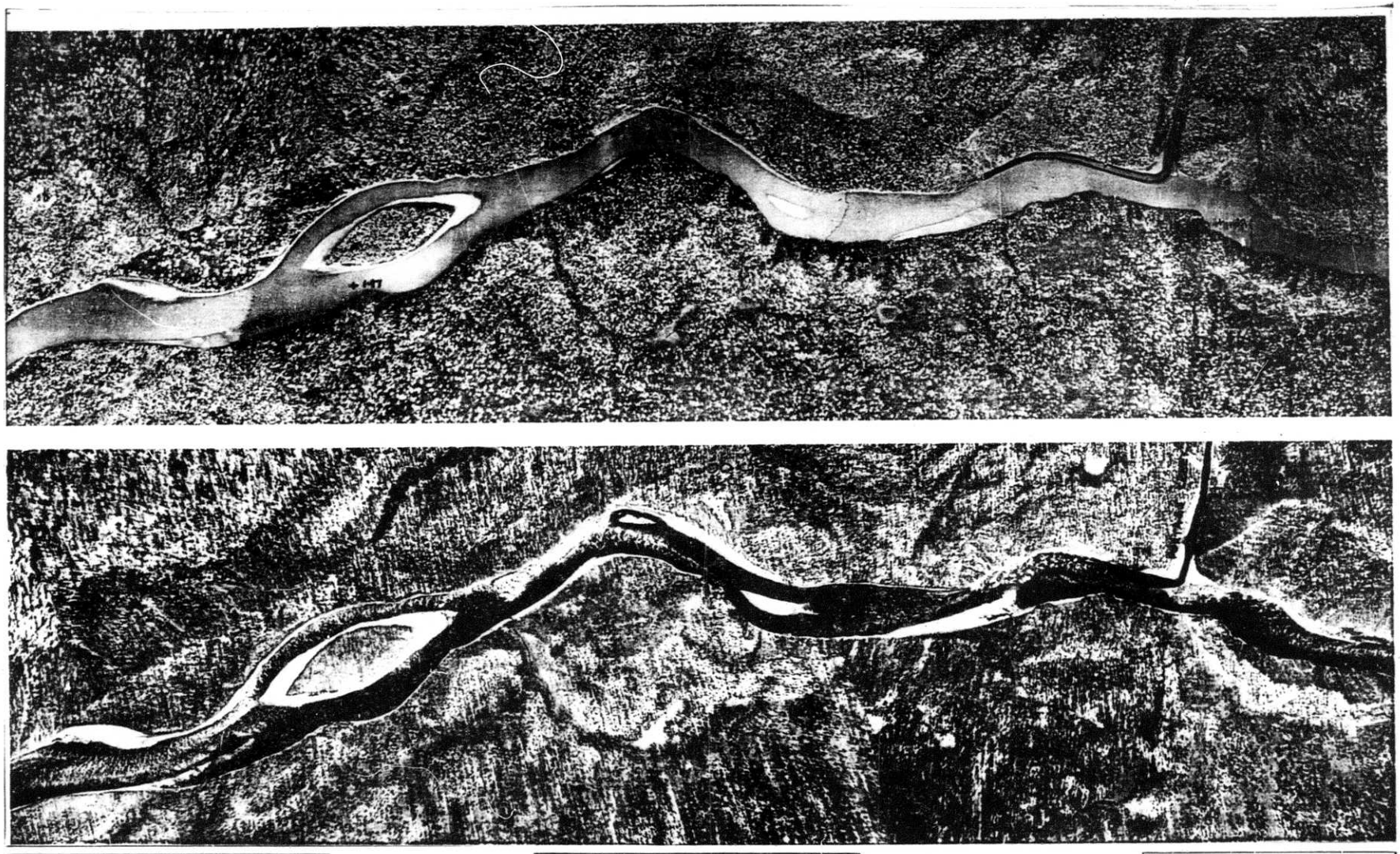
PLATES

need a map legend to show plate coverage



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

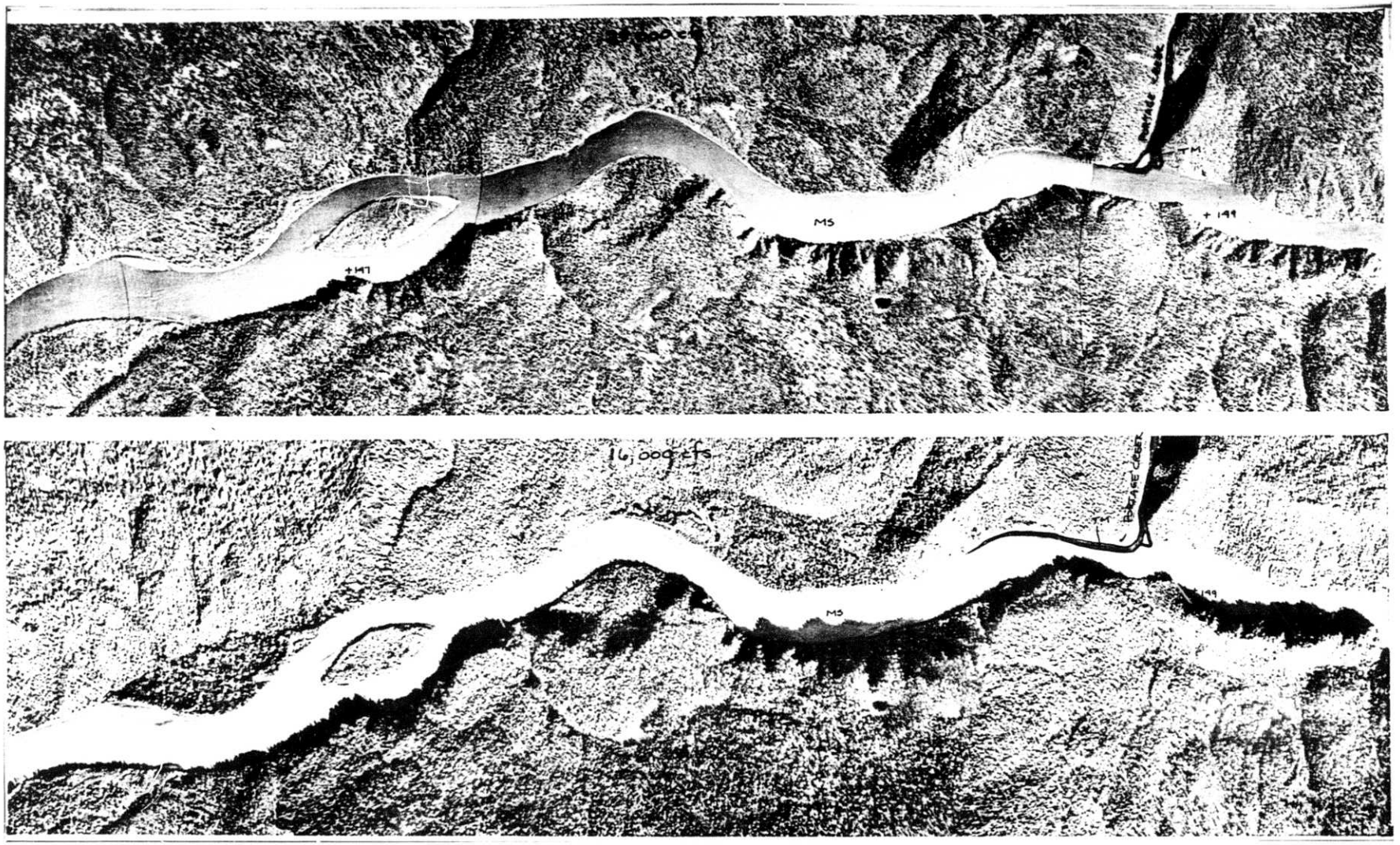
MIDDLE SUSITNA RIVER

PLATE 1 OF 18 RIVER MILE 147 TO 149

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

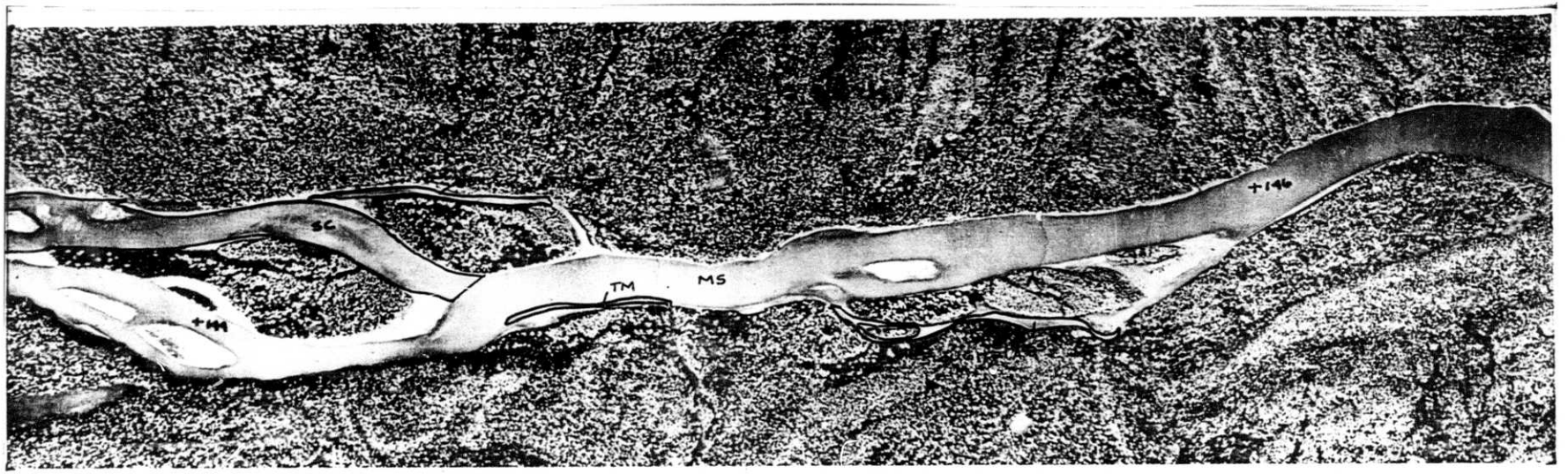
MS MAINSTEM	TM TRIBUTARY MOUTH
SC SIDE CHANNEL	T TRIBUTARY
SS SIDE SLOUGH	+ RIVER MILE
US UPLAND SLOUGH	

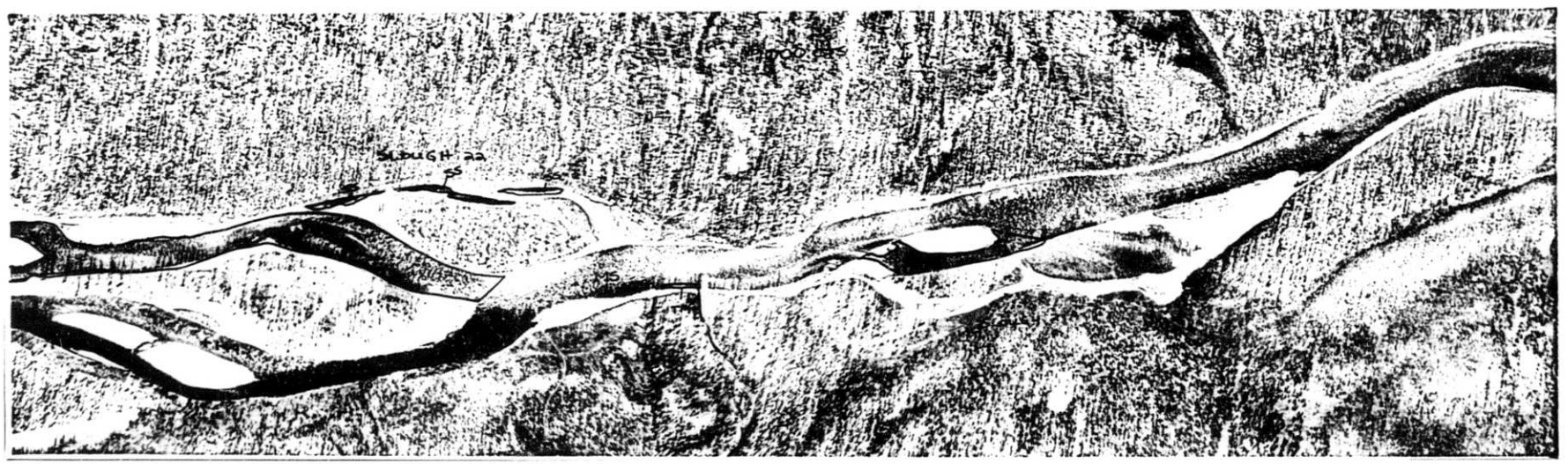
MIDDLE SUSITNA RIVER

PLATE 1 OF 18 RIVER MILE 147 TO 149

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | HARZA-EBASCO SUSITNA JOINT VENTURE





LEGEND

MS MAINSTEM	TM TRIBUTARY MOUTH
SC SIDE CHANNEL	T TRIBUTARY
SS SIDE SLOUGH	+ RIVER MILE
US UPLAND SLOUGH	

MIDDLE SUSITNA RIVER

PLATE 2 OF 18 RIVER MILE 144 TO 146

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

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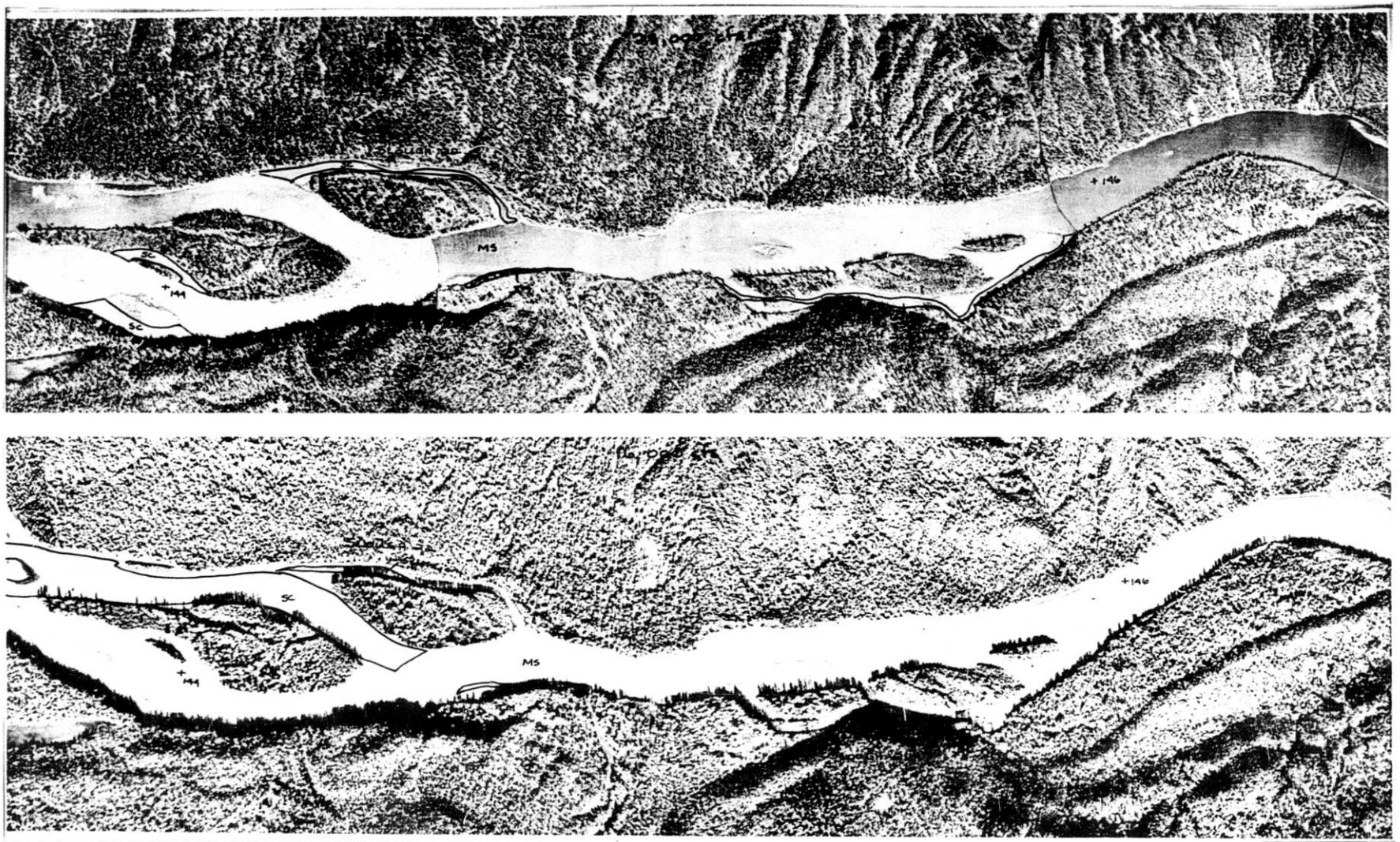

LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
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MIDDLE SUSITNA RIVER

PLATE 2 OF 18 RIVER MILE 144 TO 146

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SUSITNA HYDROELECTRIC PROJECT

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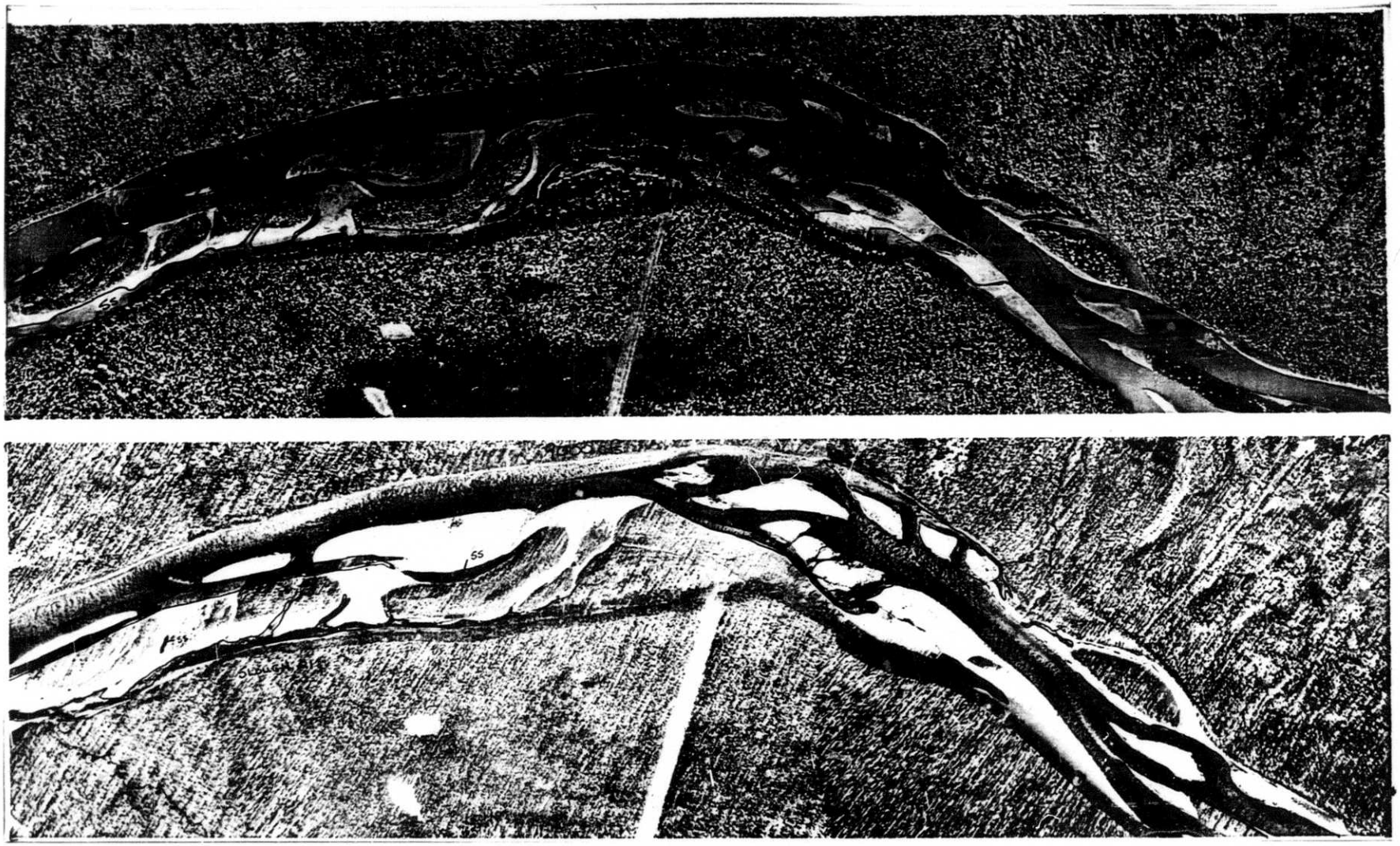

LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

MIDDLE SUSITNA RIVER

PLATE 3 OF 18 RIVER MILE 142 TO 144

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

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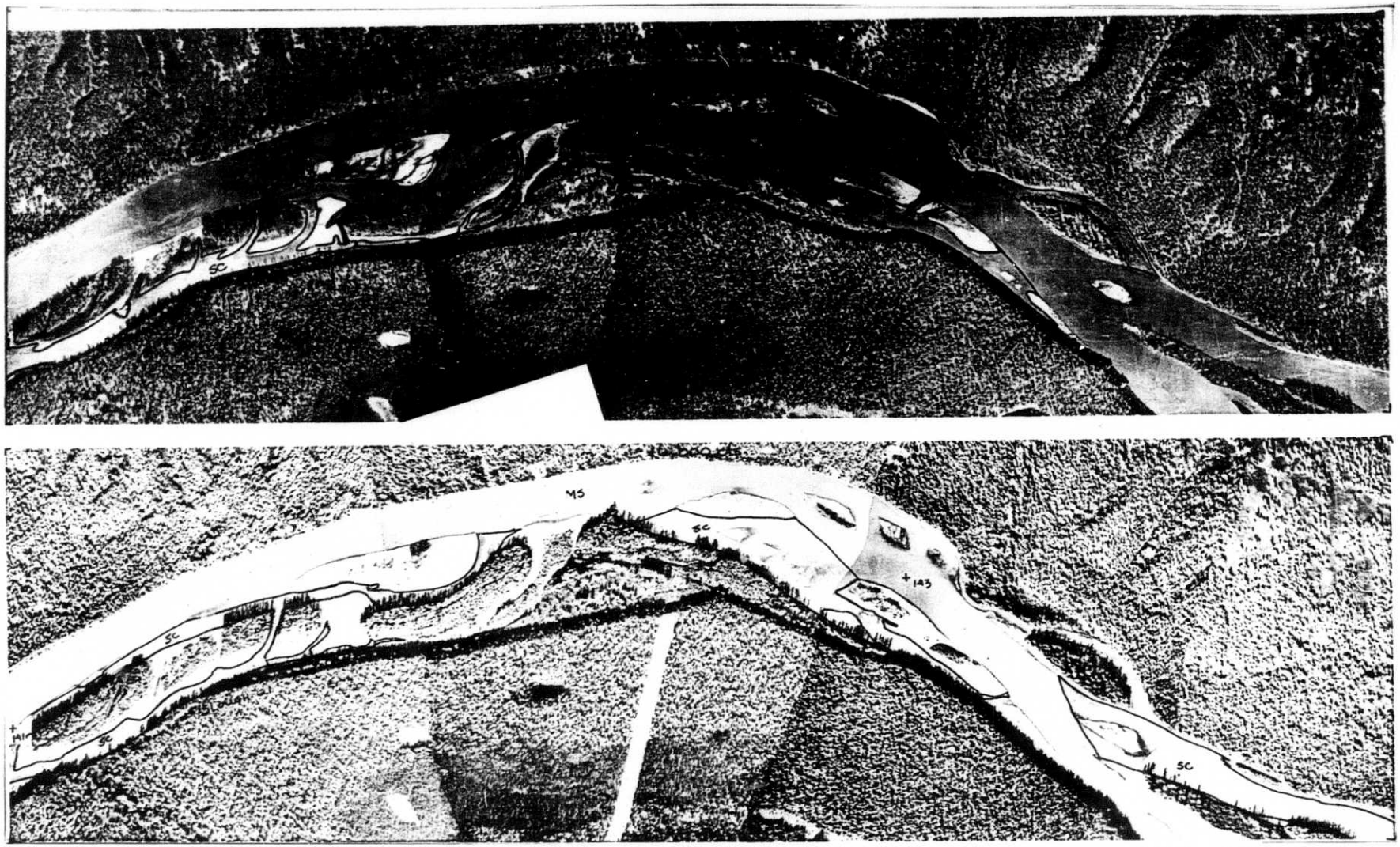


LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

MIDDLE SUSITNA RIVER

PLATE 3 OF 18 RIVER MILE 142 TO 144

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | HARZA-EBASCO SUSITNA JOINT VENTURE

LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

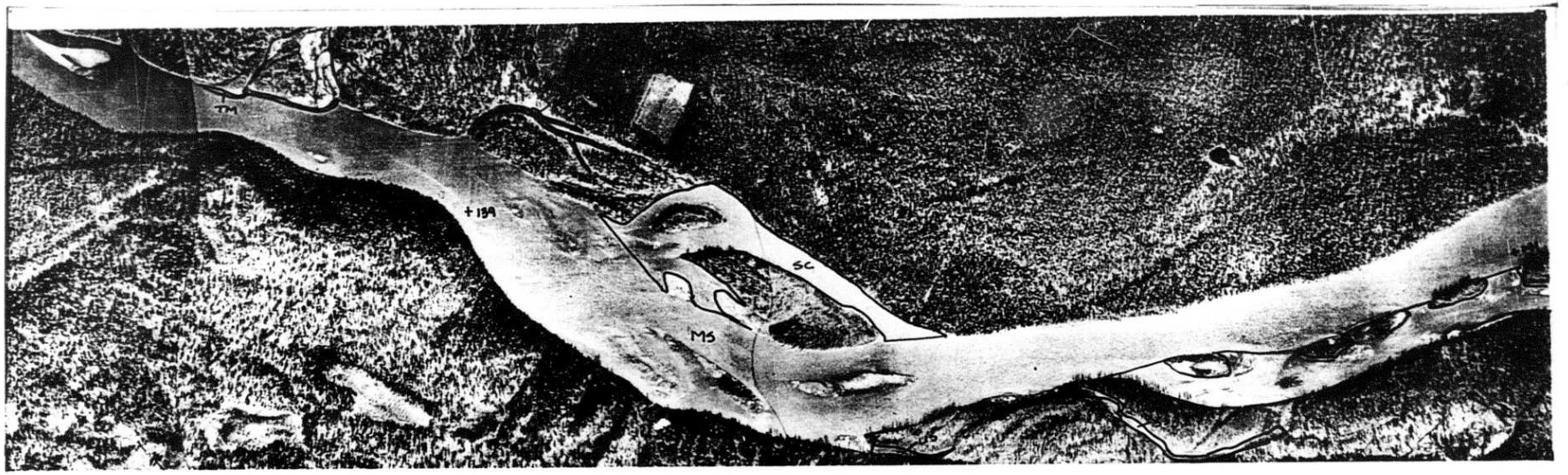
MIDDLE SUSITNA RIVER

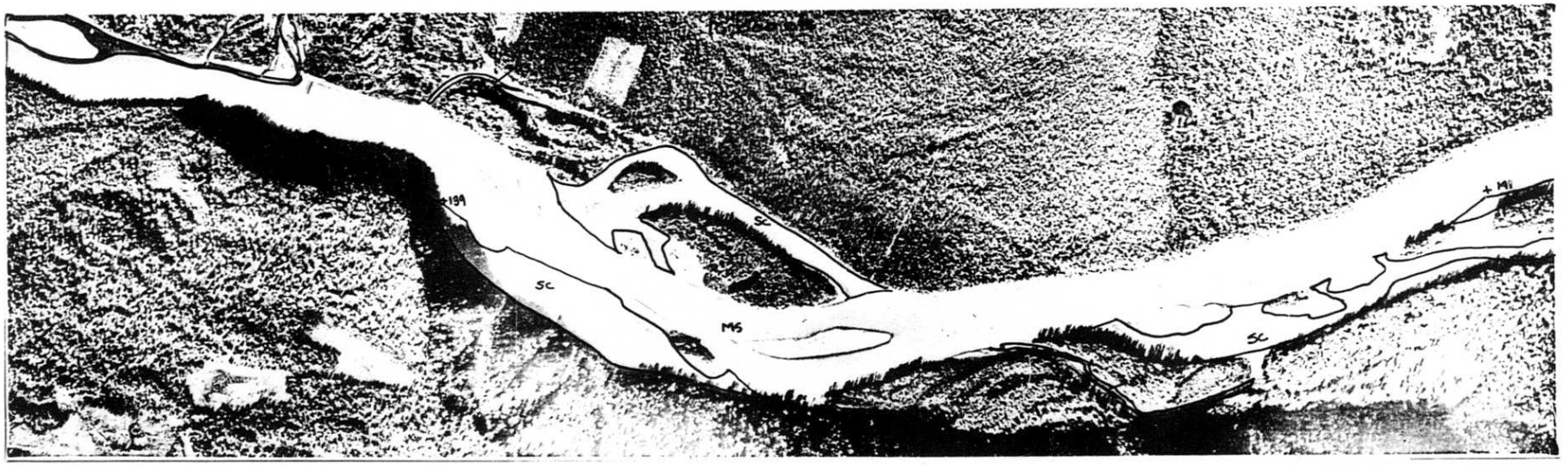
PLATE 4 OF 18 RIVER MILE 139 TO 141

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A

HARZA-EBASCO
SUSITNA JOINT VENTURE





LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

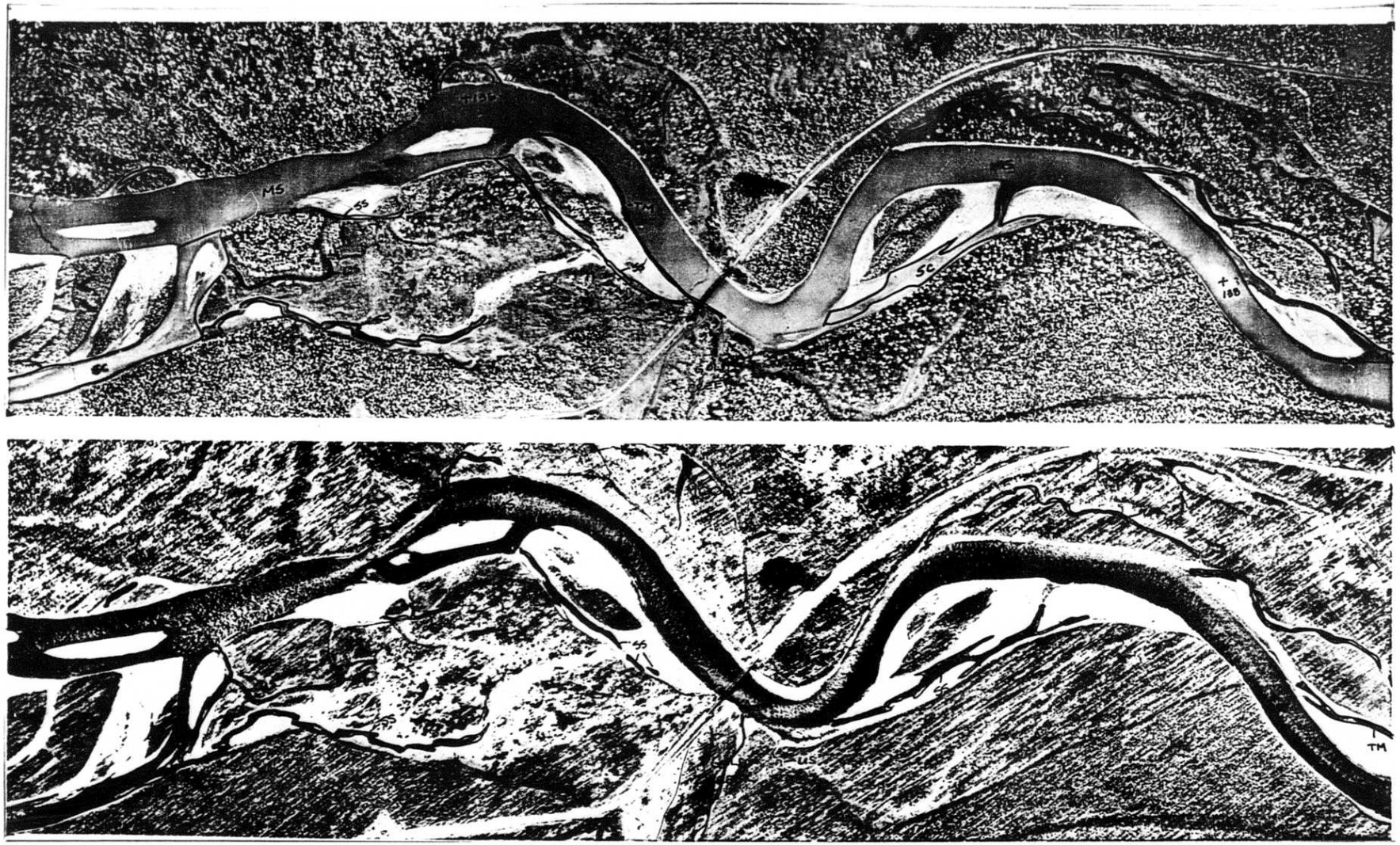
MIDDLE SUSITNA RIVER

PLATE 4 OF 18 RIVER MILE 139 TO 141

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
E. WOODS TRIBEY & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

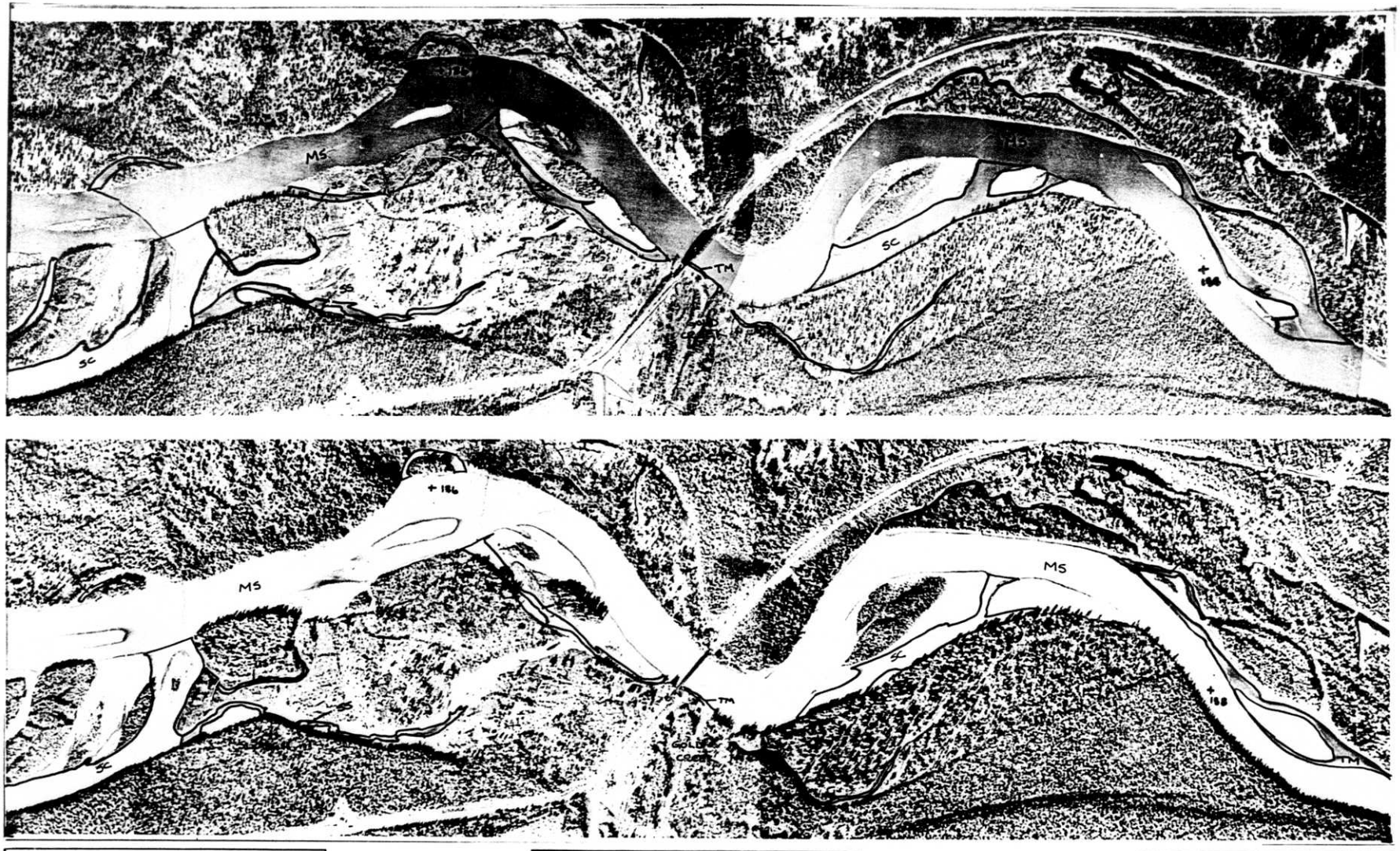
MIDDLE SUSITNA RIVER

PLATE 5 OF 18 RIVER MILE 136 TO 138

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A — E. WOODS THIBEY & ASSOCIATES

HARZA-EBASCO — SUSITNA JOINT VENTURE



LEGEND

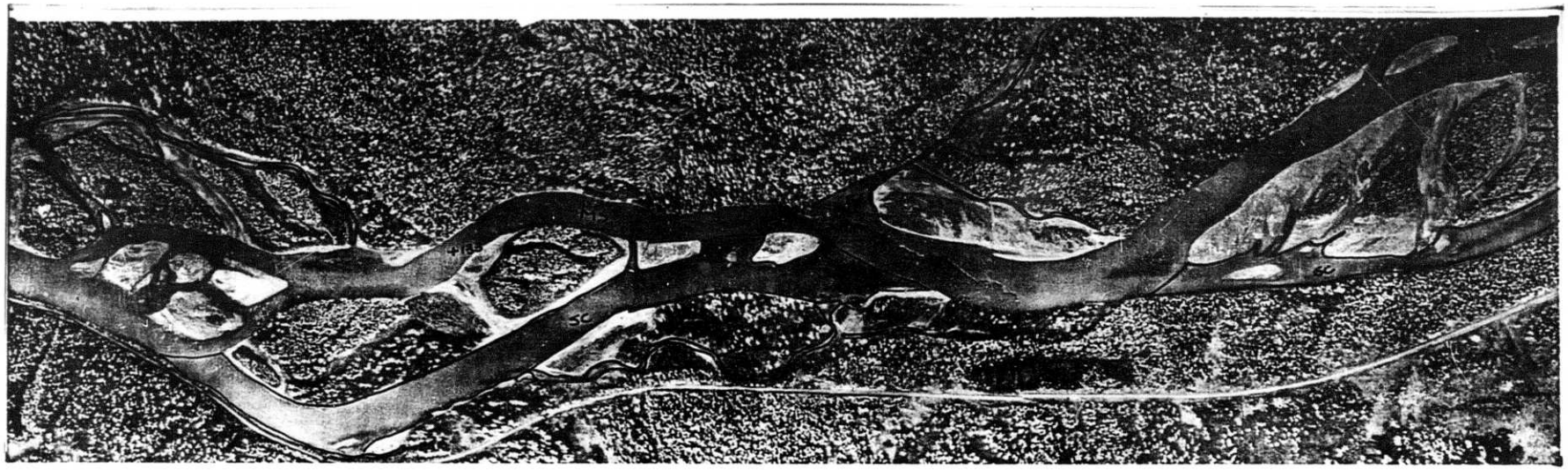
MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

MIDDLE SUSITNA RIVER

PLATE 5 OF 18 RIVER MILE 136 TO 138

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | HARZA-EBASCO SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

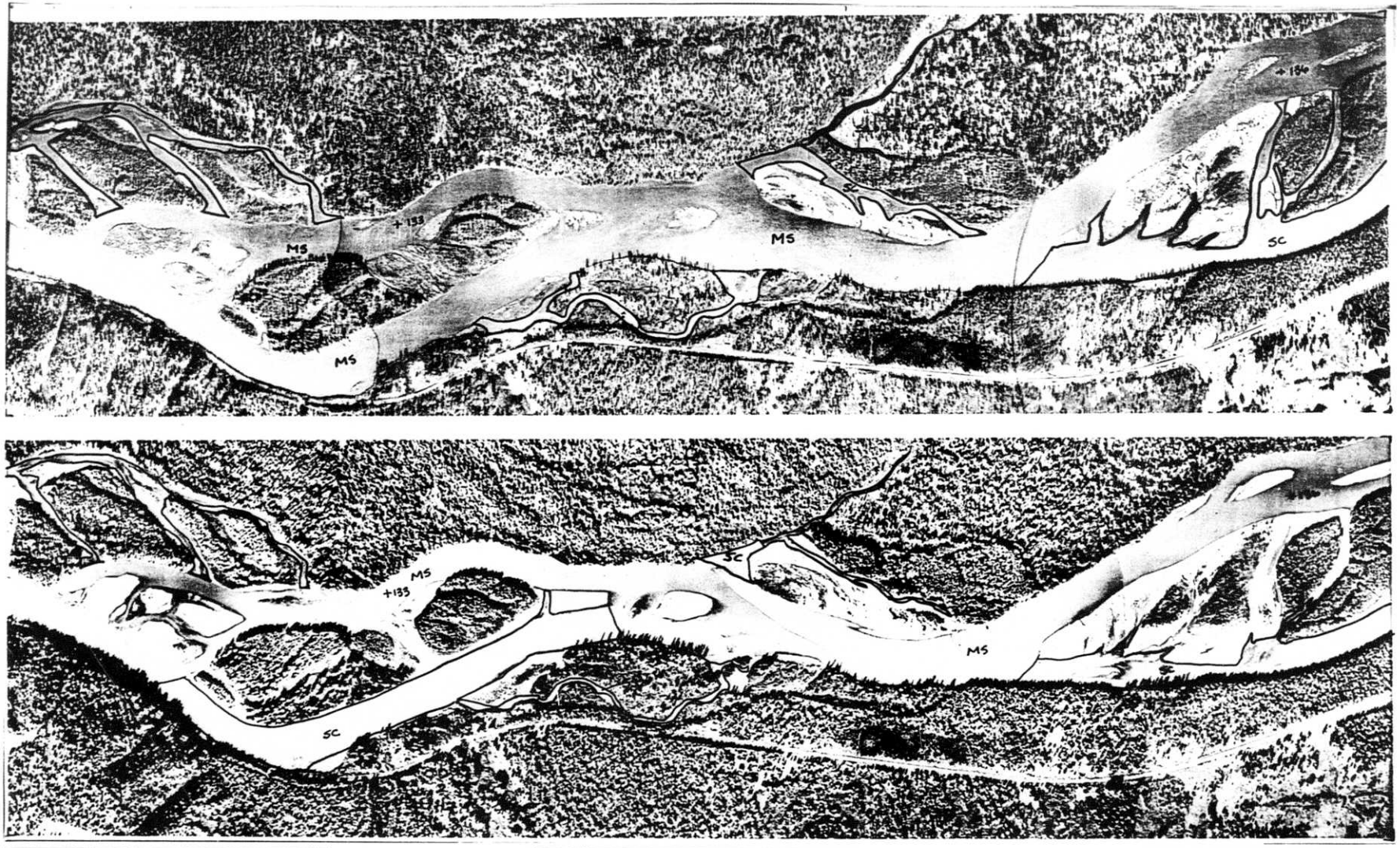
MIDDLE SUSITNA RIVER

PLATE 6 OF 18 RIVER MILE 133 TO 136

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
E. WOODY TRIBEY & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

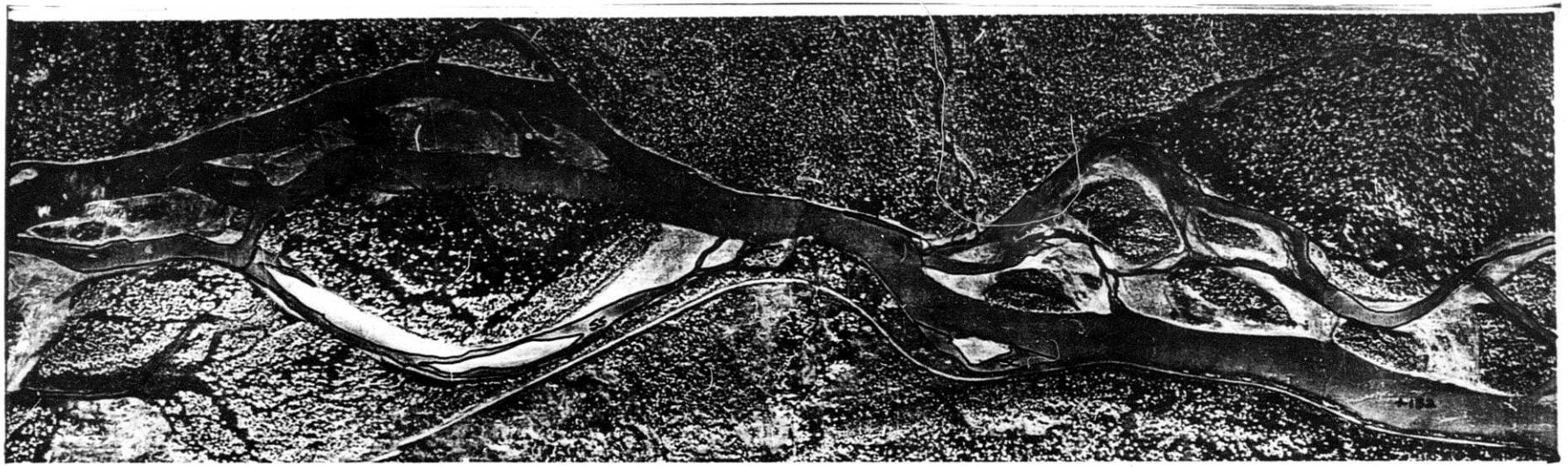
MIDDLE SUSITNA RIVER

PLATE 6 OF 18 RIVER MILE 133 TO 136

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
R. W. RETHERFORD TRIBOLET & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

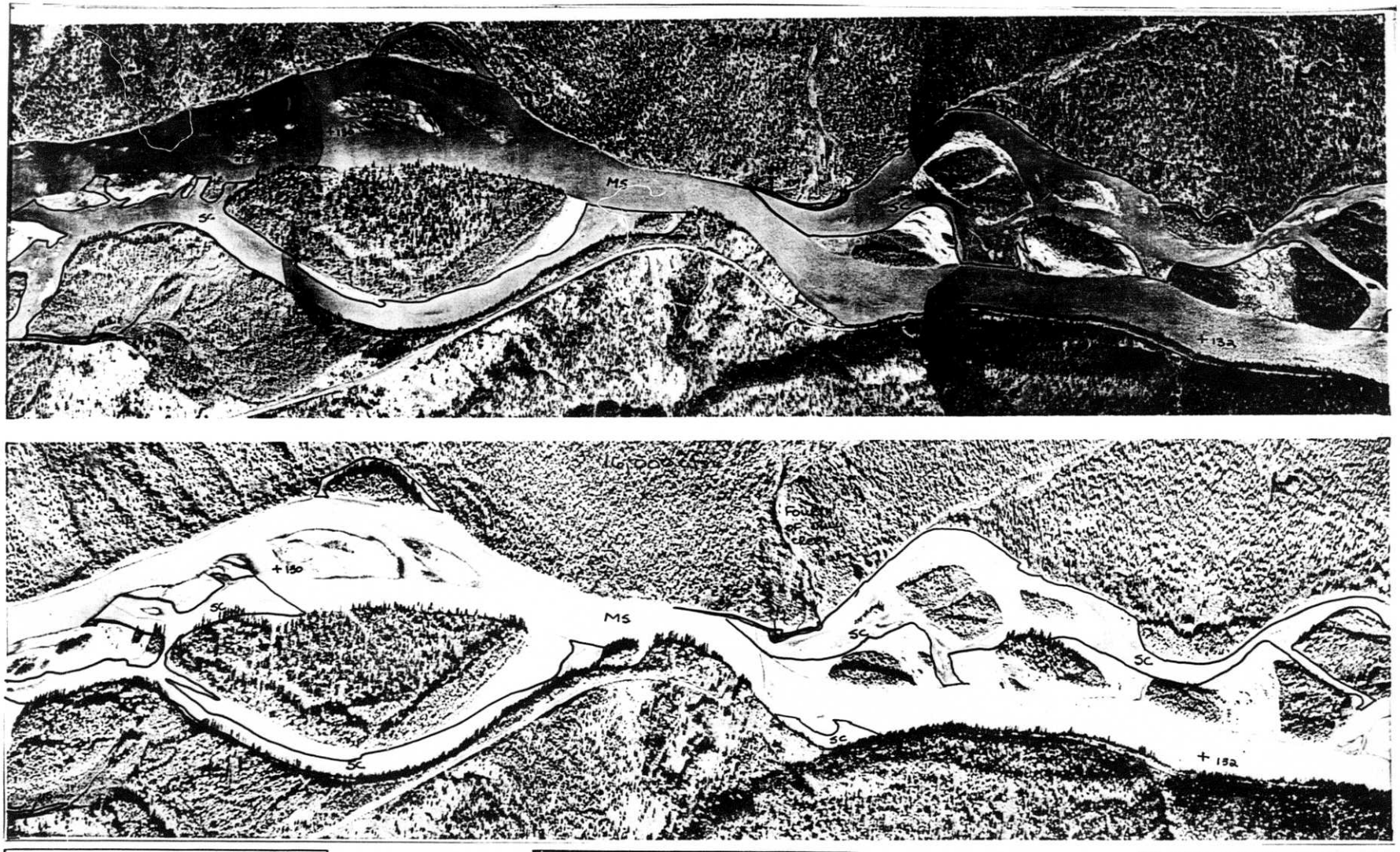
MIDDLE SUSITNA RIVER

PLATE 7 OF 18 RIVER MILE 130 TO 132

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

MIDDLE SUSITNA RIVER

PLATE 7 OF 18 RIVER MILE 130 TO 132

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | HARZA-EBASCO

LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

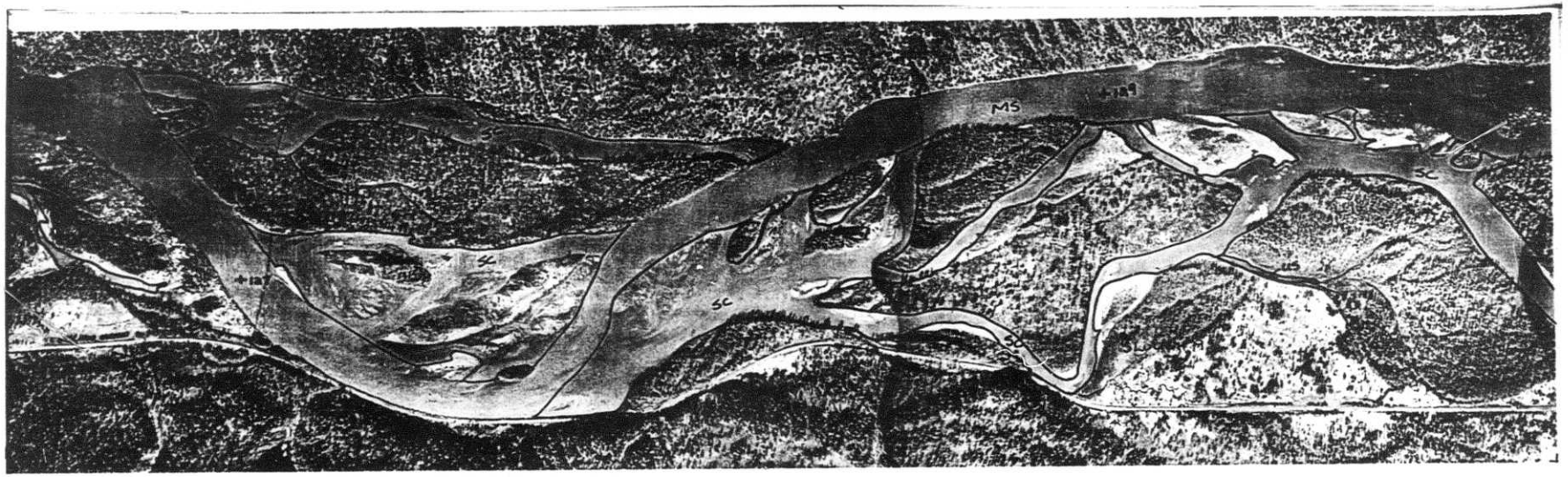
MIDDLE SUSITNA RIVER

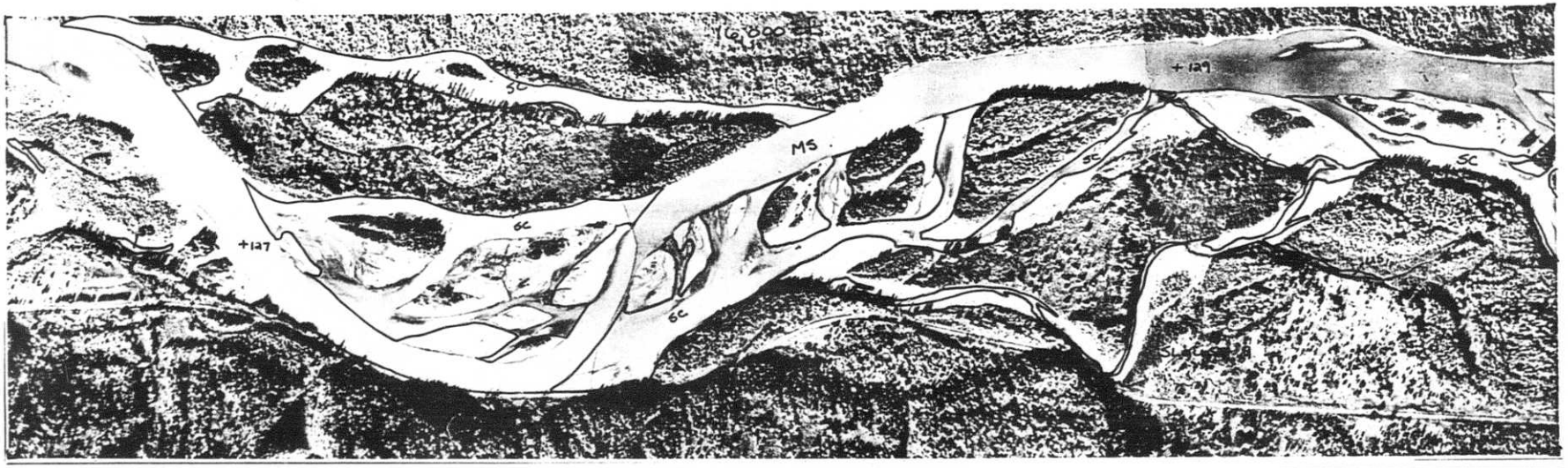
PLATE 8 OF 18 RIVER MILE 127 TO 129

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
E. WOODY TRIBES & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE





LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

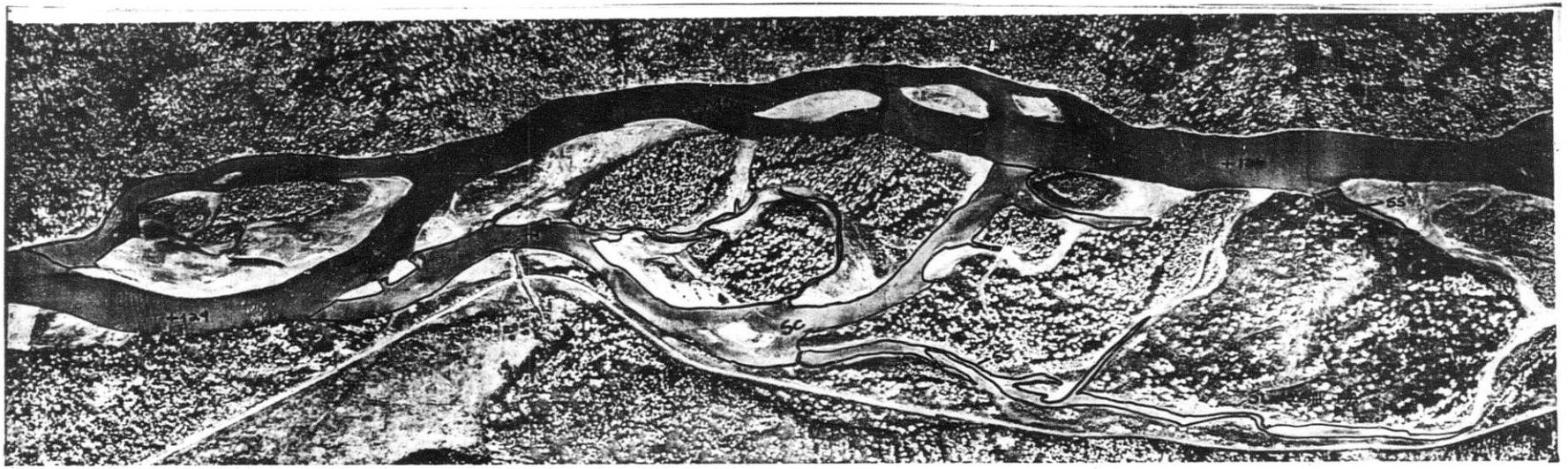
MIDDLE SUSITNA RIVER

PLATE 8 OF 18 RIVER MILE 127 TO 129

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
E. WOODY TROJEY & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

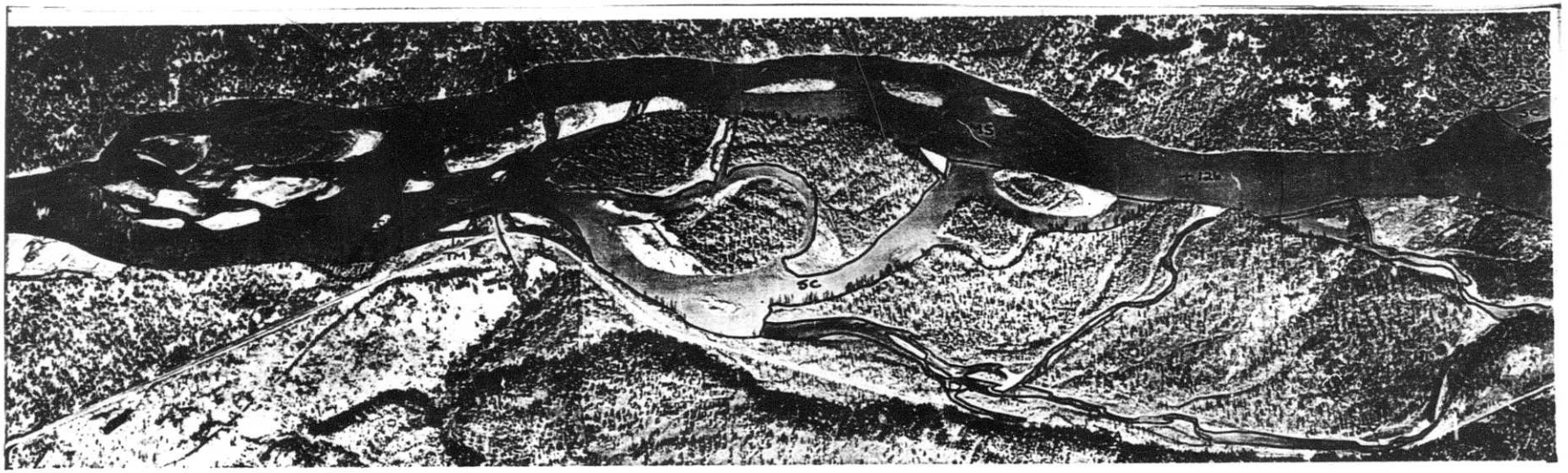
MIDDLE SUSITNA RIVER

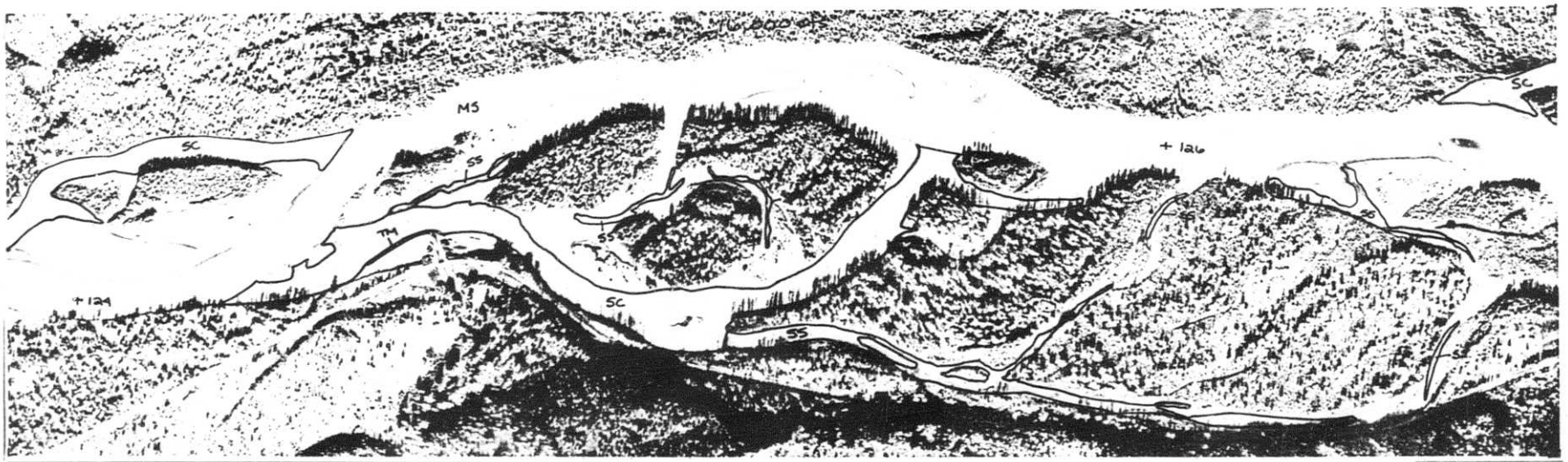
PLATE 9 OF 18 RIVER MILE 124 TO 126

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
J. WOODY TROIEY & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE





LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

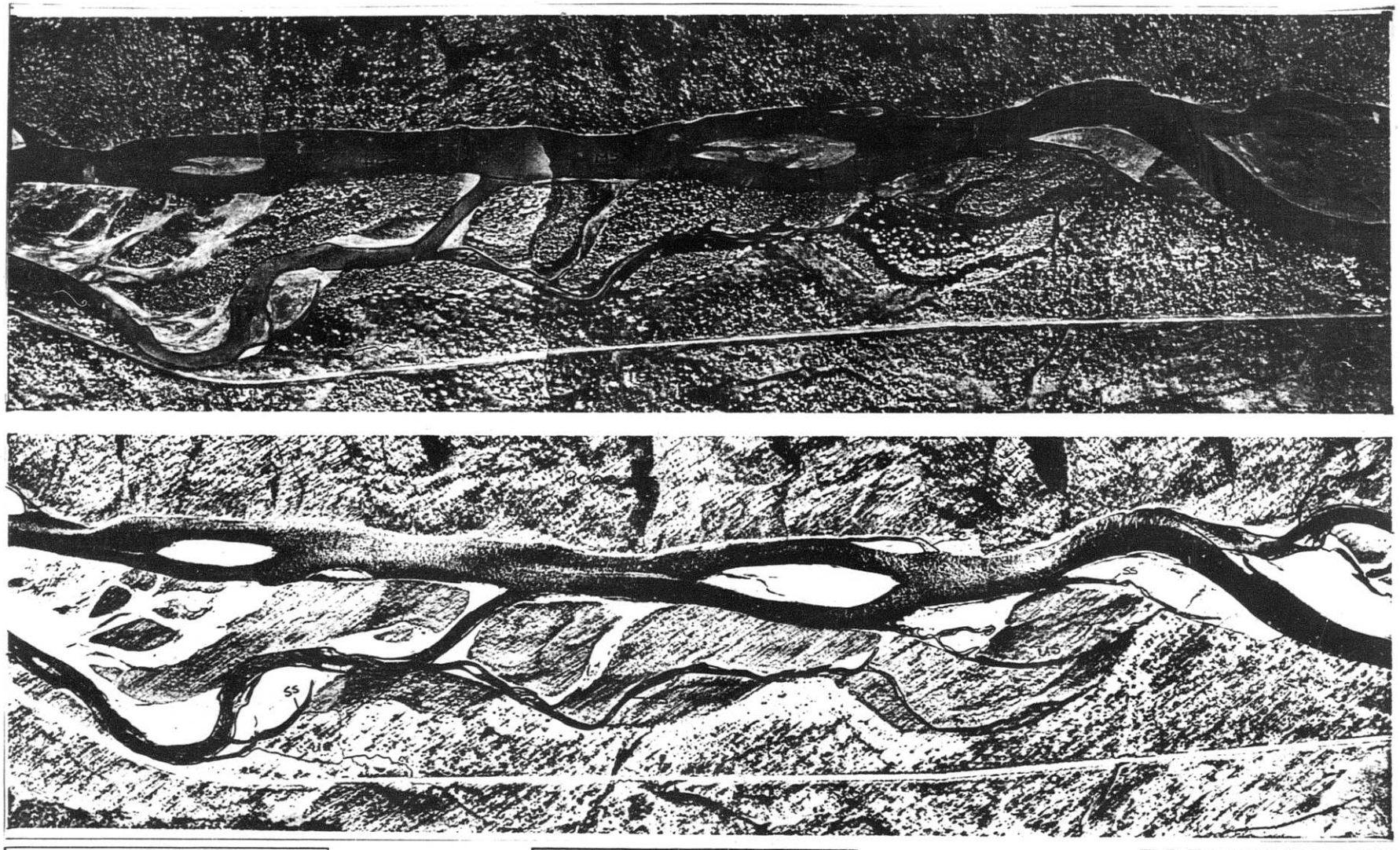
MIDDLE SUSITNA RIVER

PLATE 9 OF 18 RIVER MILE 124 TO 126

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
E. WOODY TRIBEY & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

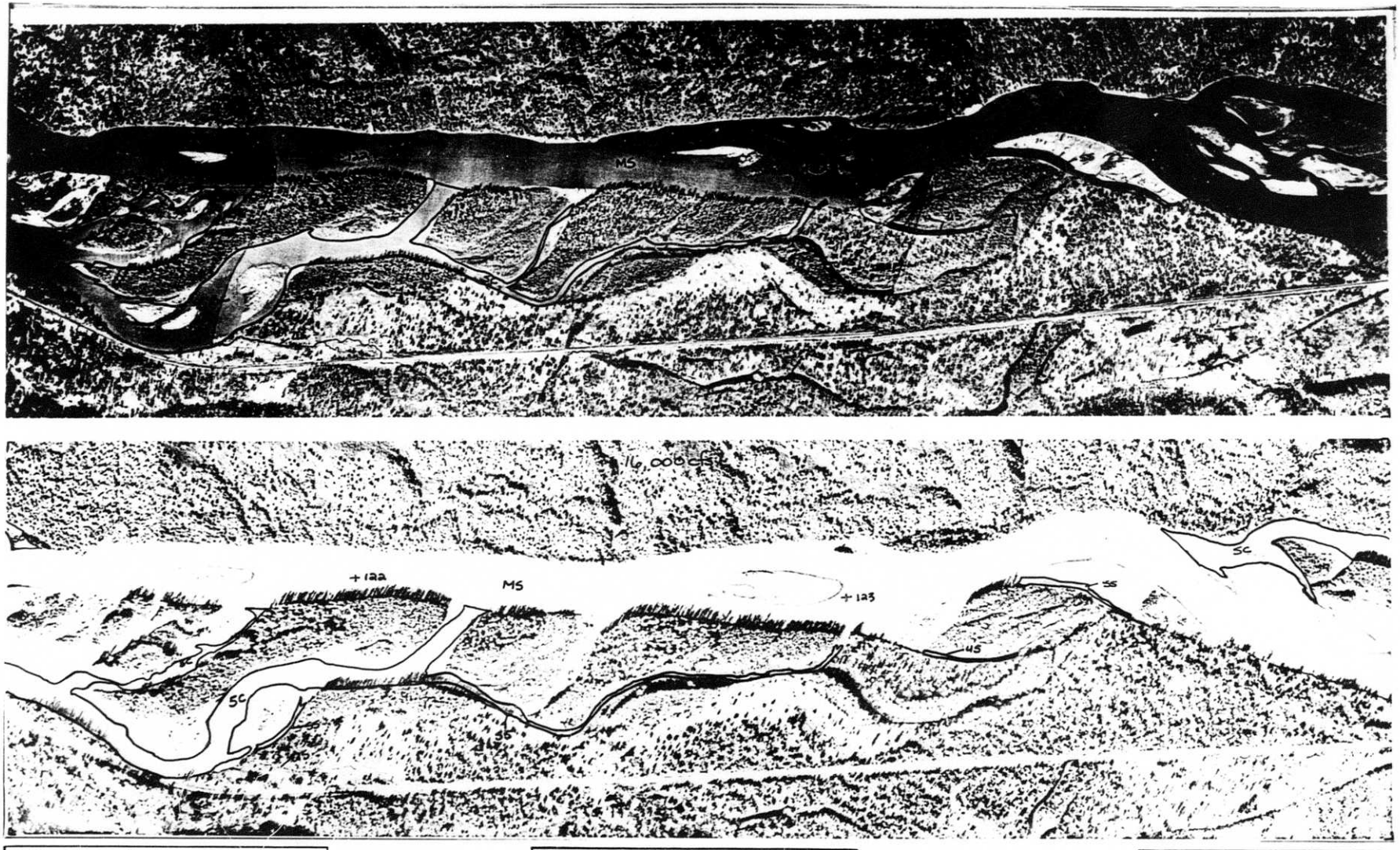
MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

MIDDLE SUSITNA RIVER

PLATE 10 OF 18 RIVER MILE 122 TO 124

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | HARZA-EBASCO SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

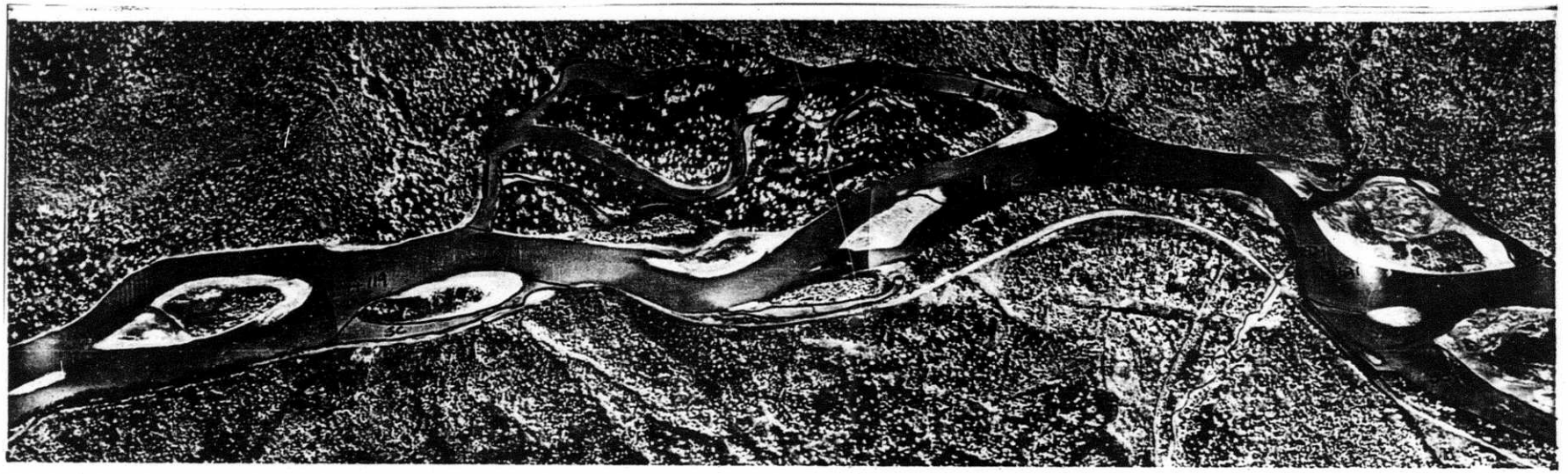
MIDDLE SUSITNA RIVER

PLATE 10 OF 18 RIVER MILE 122 TO 124

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A — WOODY TRIBEY & ASSOCIATES

HARZA-EBASCO — SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

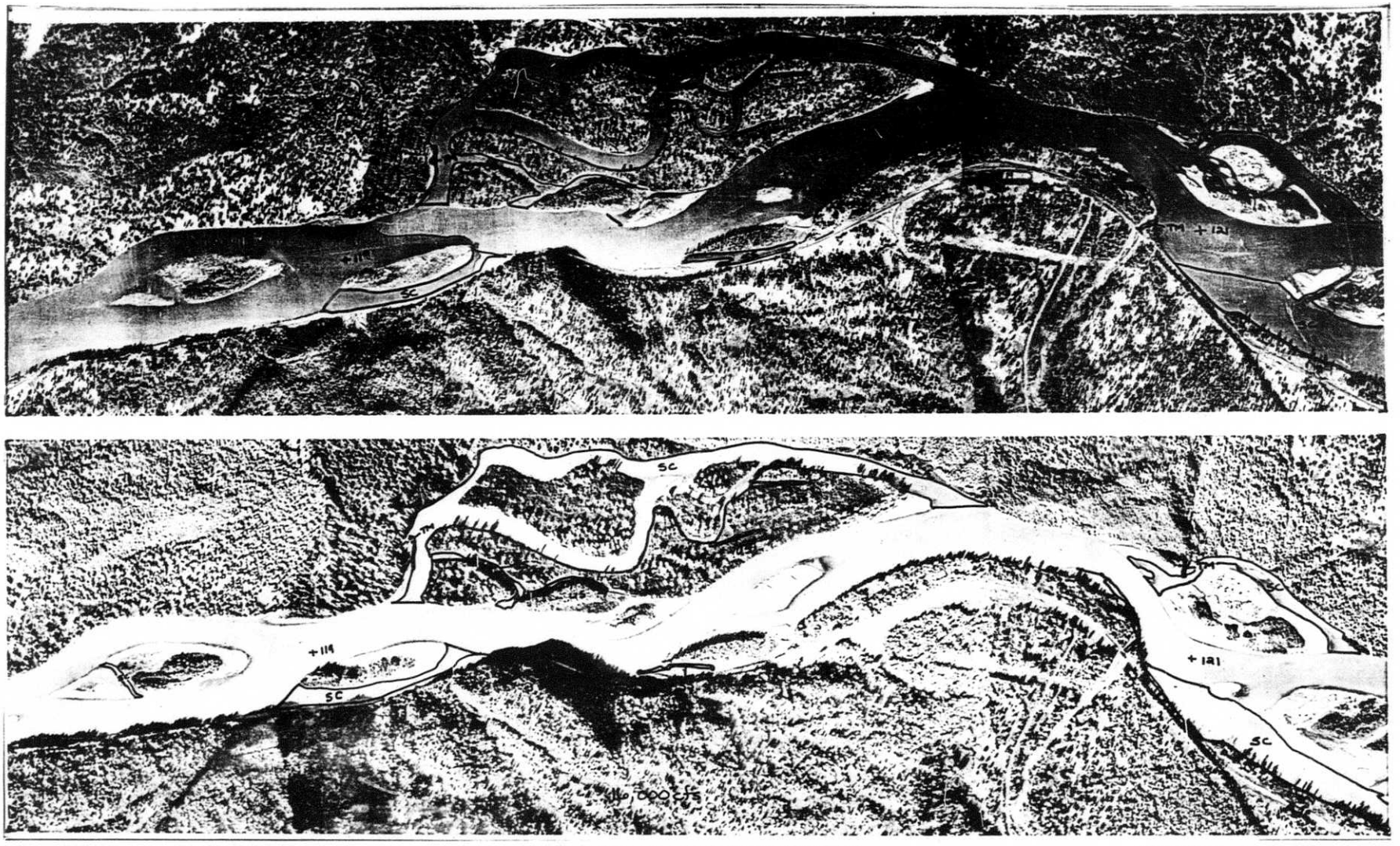
MIDDLE SUSITNA RIVER

PLATE 11 OF 18 RIVER MILE 119 TO 121

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
E. WOODY TRIBEY & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

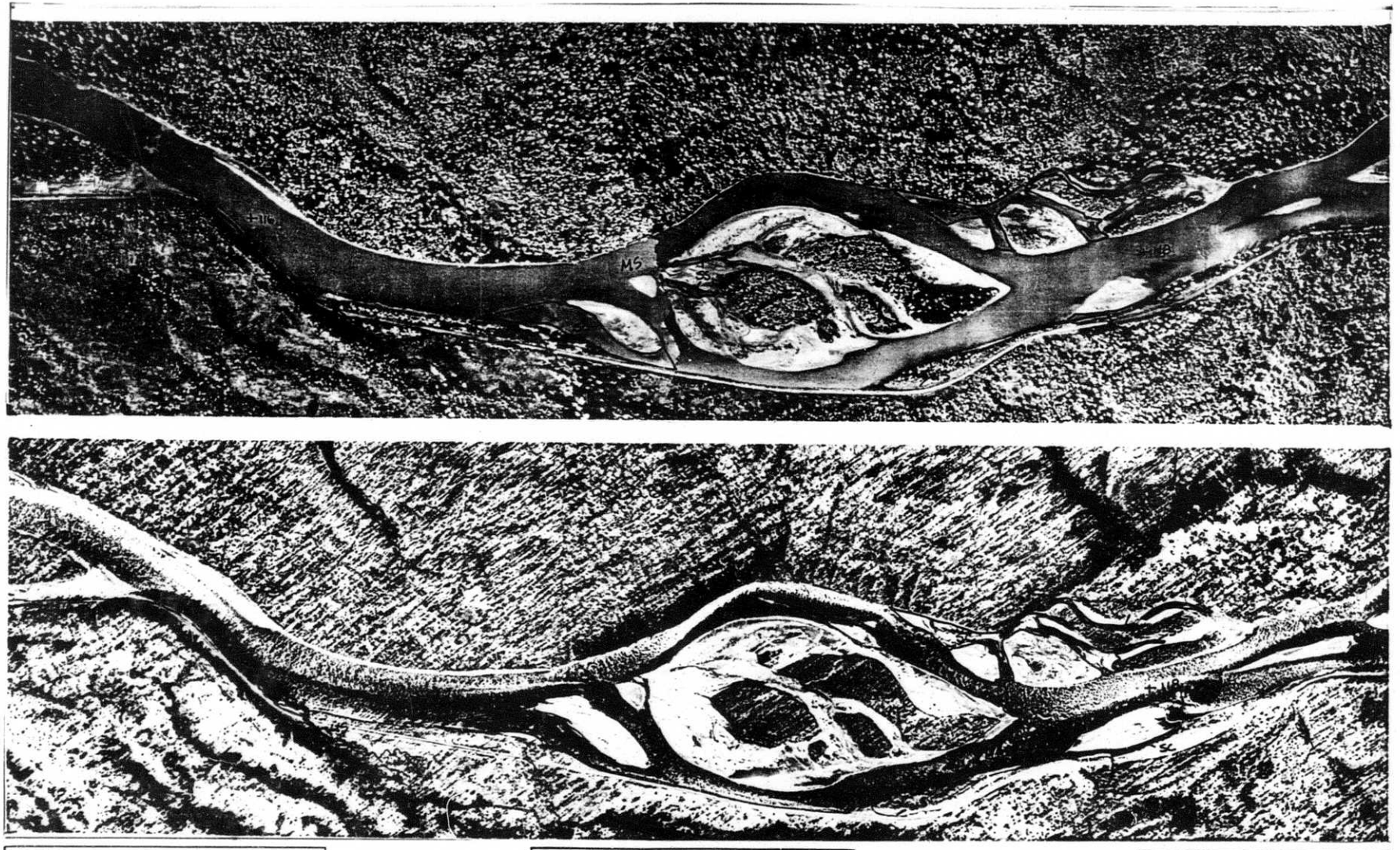
MIDDLE SUSITNA RIVER

PLATE 11 OF 18 RIVER MILE 119 TO 121

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
WOODWARD-CLYDE CONSULTANTS

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

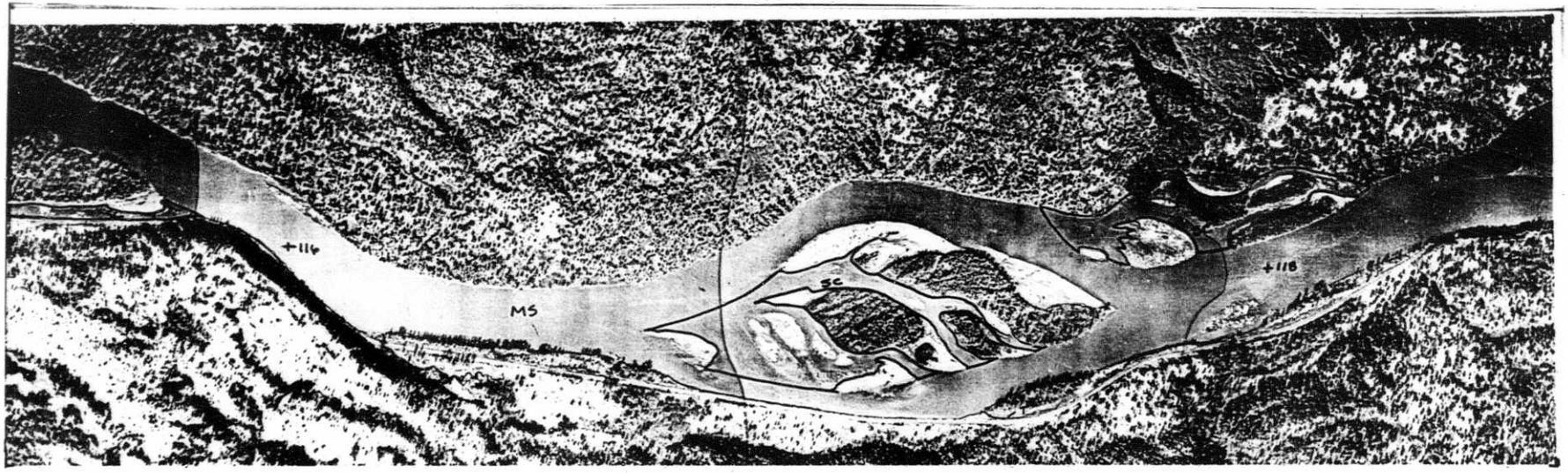
MIDDLE SUSITNA RIVER

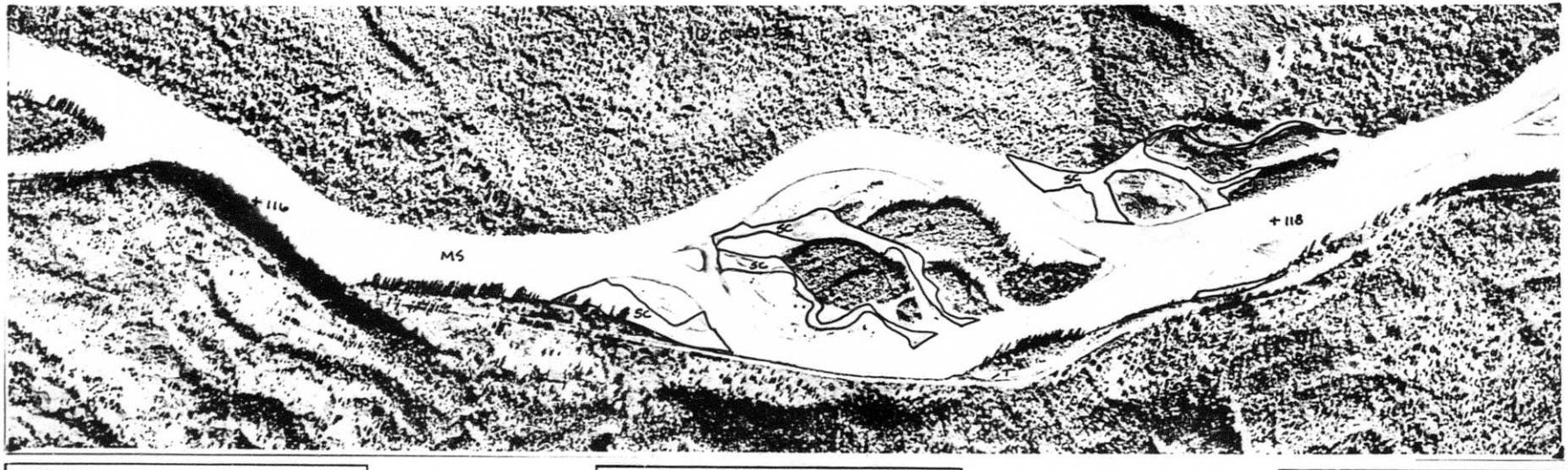
PLATE 12 OF 18 RIVER MILE 116 TO 118

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
E. WOODY TRIBEY & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE





LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

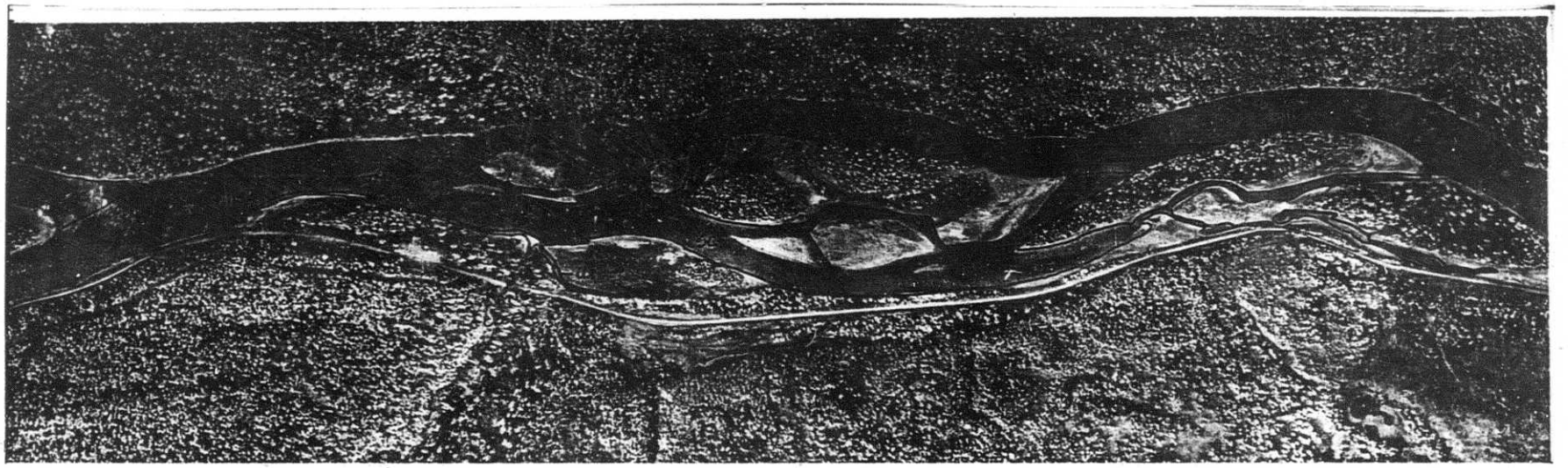
MIDDLE SUSITNA RIVER

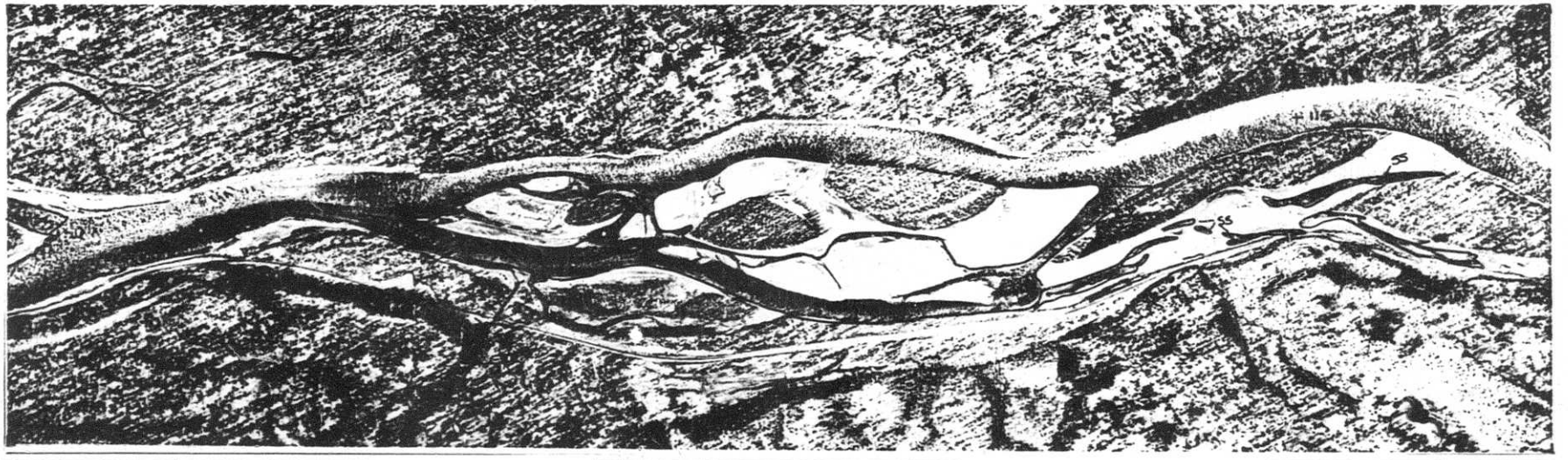
PLATE 12 OF 18 RIVER MILE 116 TO 118

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A — R. WOODS TRIBLEY & ASSOCIATES

HARZA-EBASCO — SUSITNA JOINT VENTURE





LEGEND

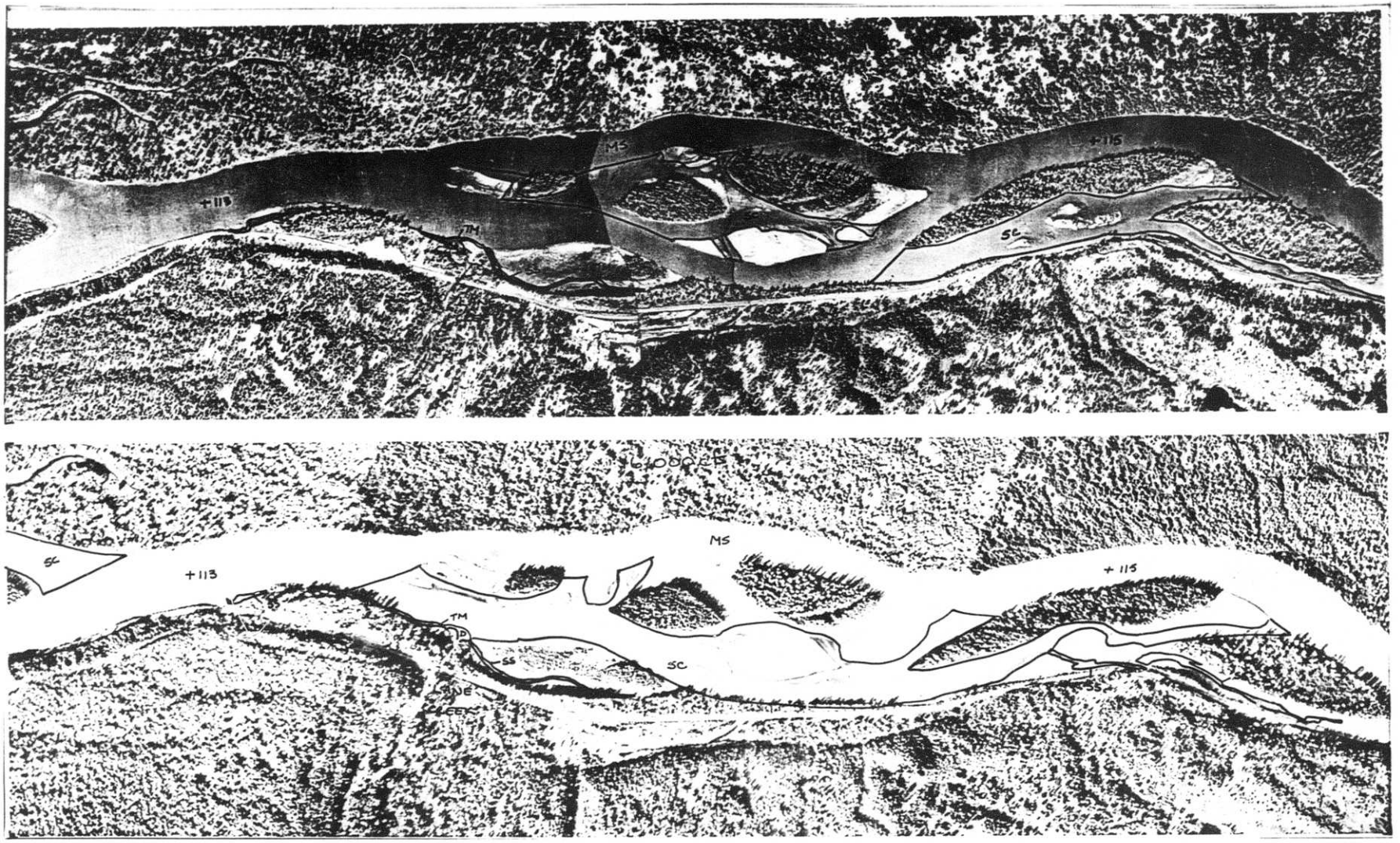
MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

MIDDLE SUSITNA RIVER

PLATE 13 OF 18 RIVER MILE 113 TO 115

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | MARZA-ERASCO



LEGEND

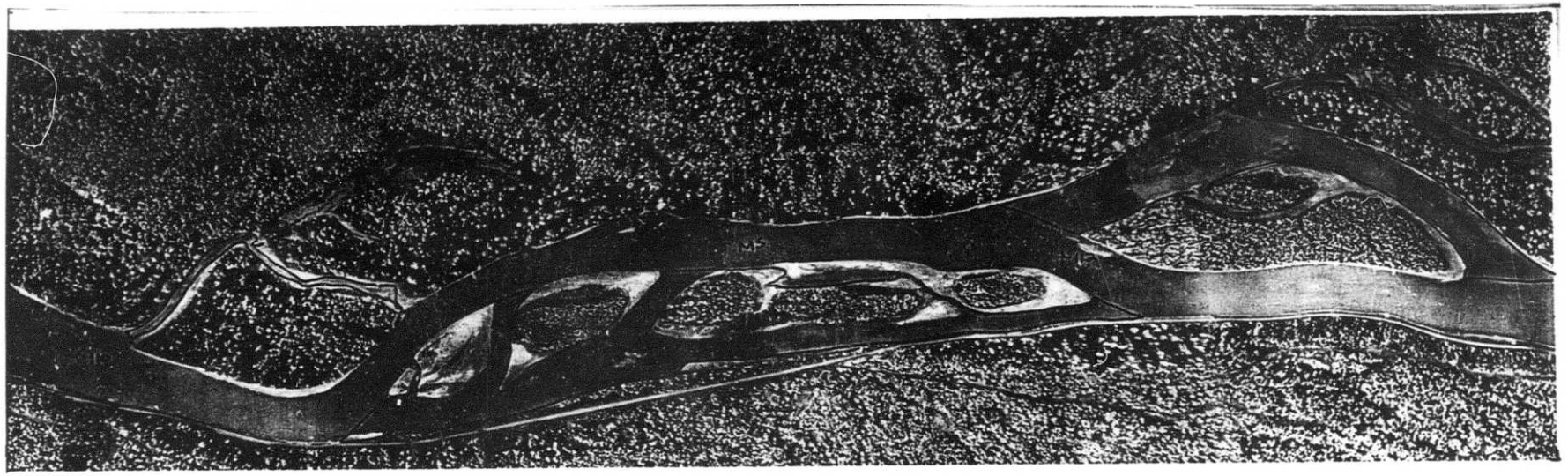
MS MAINSTEM	TM TRIBUTARY MOUTH
SC SIDE CHANNEL	T TRIBUTARY
SS SIDE SLOUGH	+ RIVER MILE
US UPLAND SLOUGH	

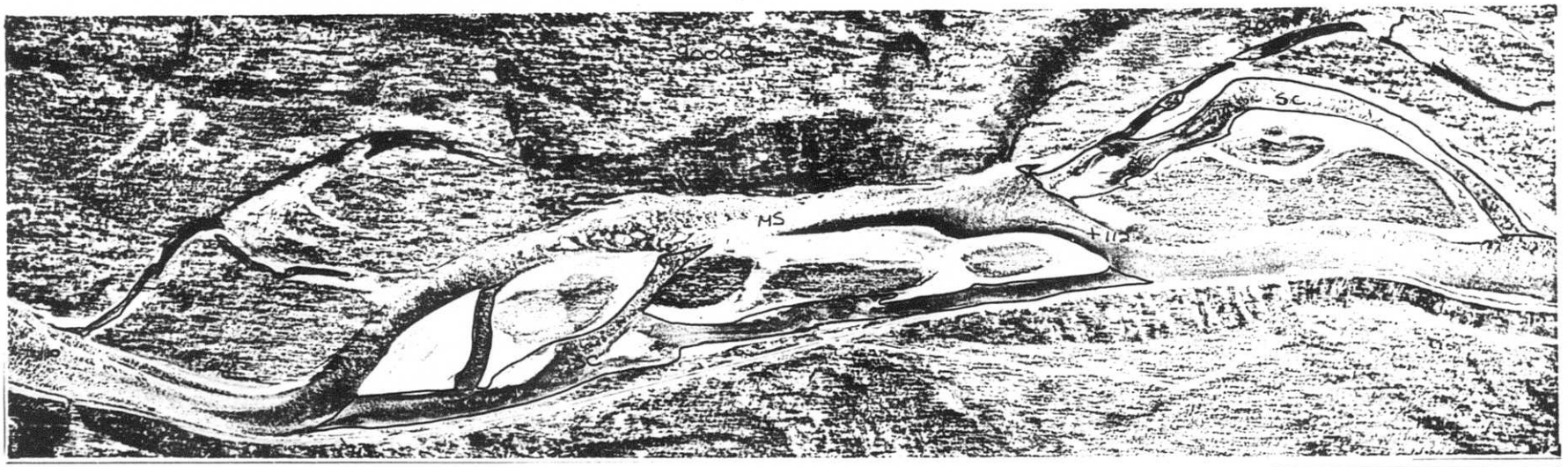
MIDDLE SUSITNA RIVER

PLATE 13 OF 18 RIVER MILE 113 TO 115

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | HARZA-EBASCO SUSITNA JOINT VENTURE





LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

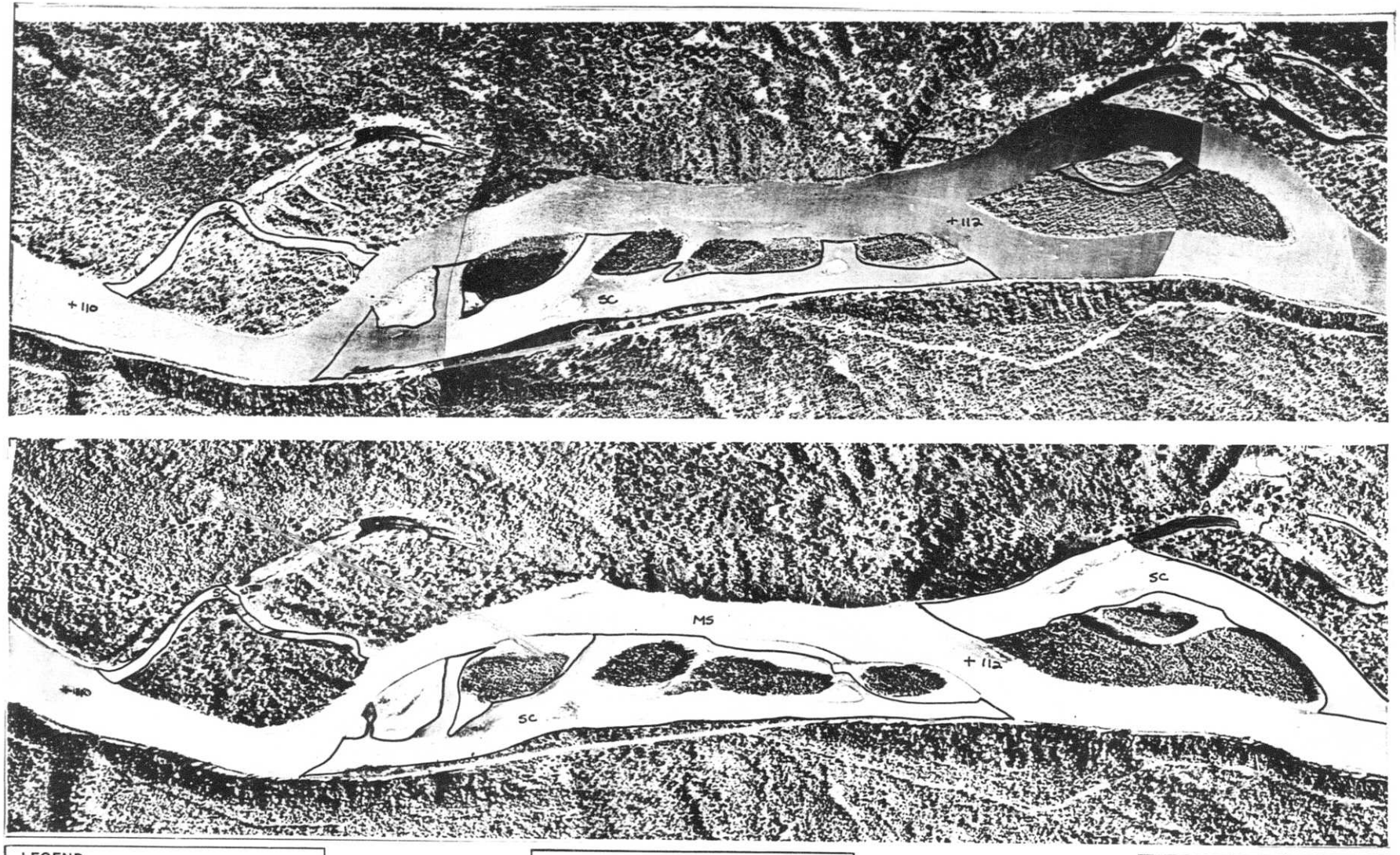
MIDDLE SUSITNA RIVER

PLATE 14 OF 18 RIVER MILE 110 TO 112

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
WOODY TRIBEY & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

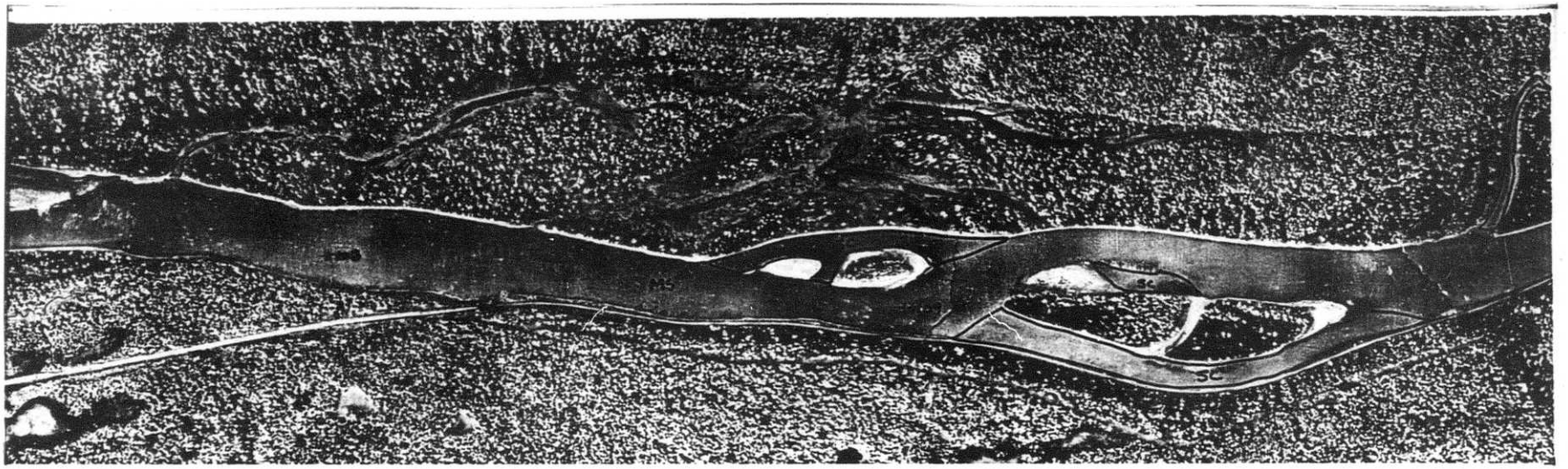
MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

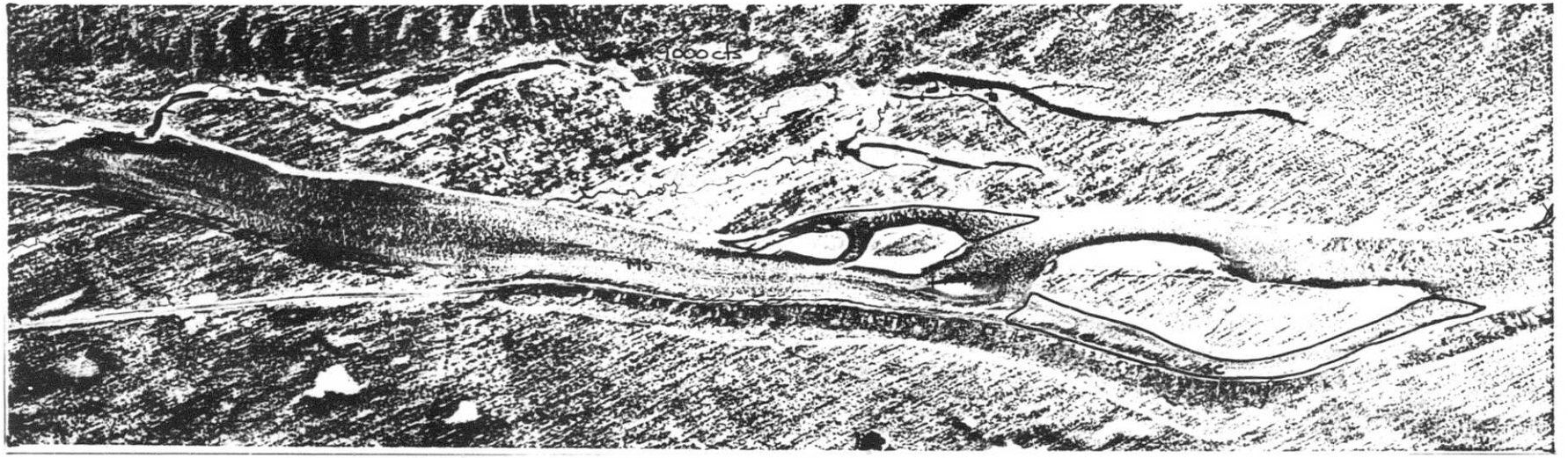
MIDDLE SUSITNA RIVER

PLATE 14 OF 18 RIVER MILE 110 TO 112

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | HARZA-EBASCO SUSITNA JOINT VENTURE





LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

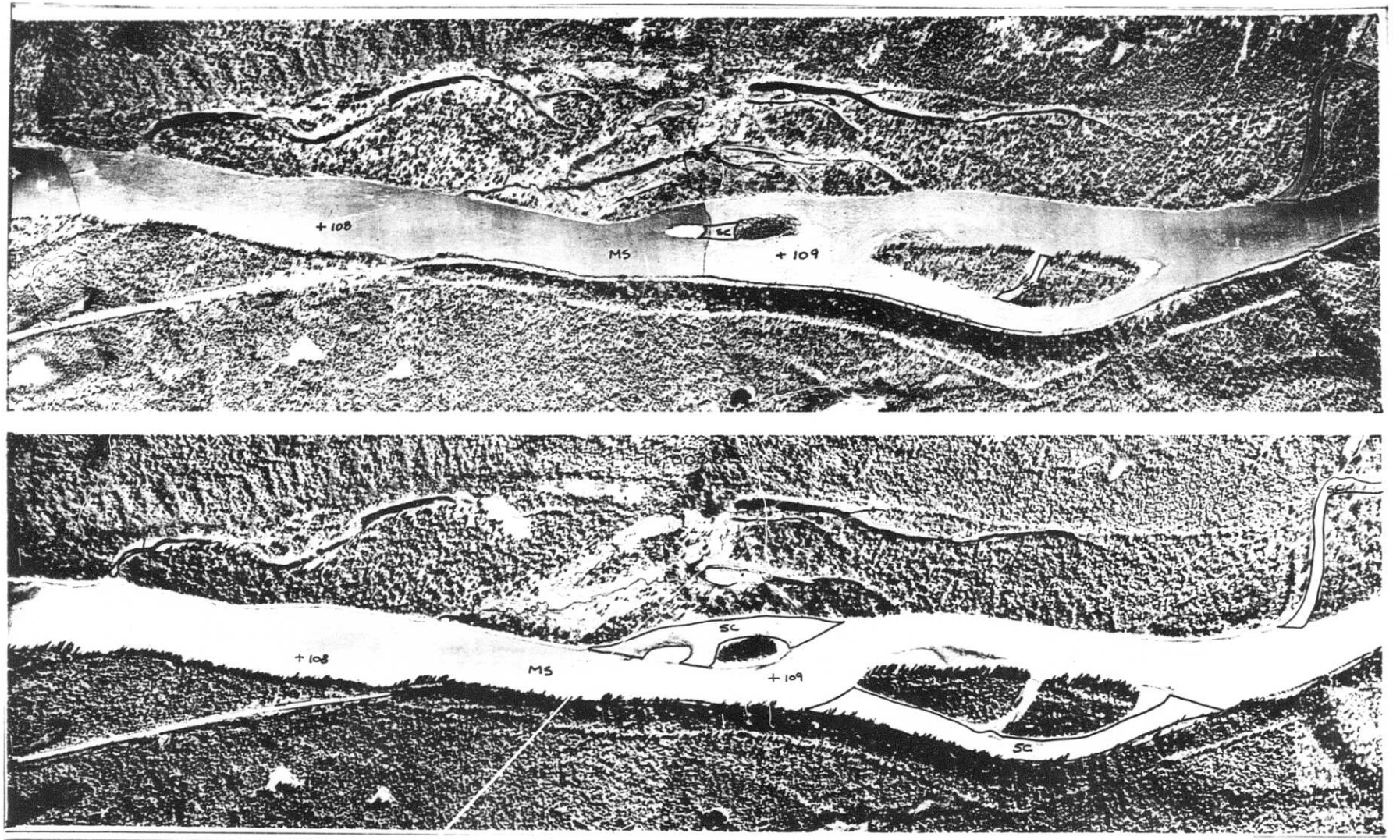
MIDDLE SUSITNA RIVER

PLATE 15 OF 18 RIVER MILE 108 TO 110

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

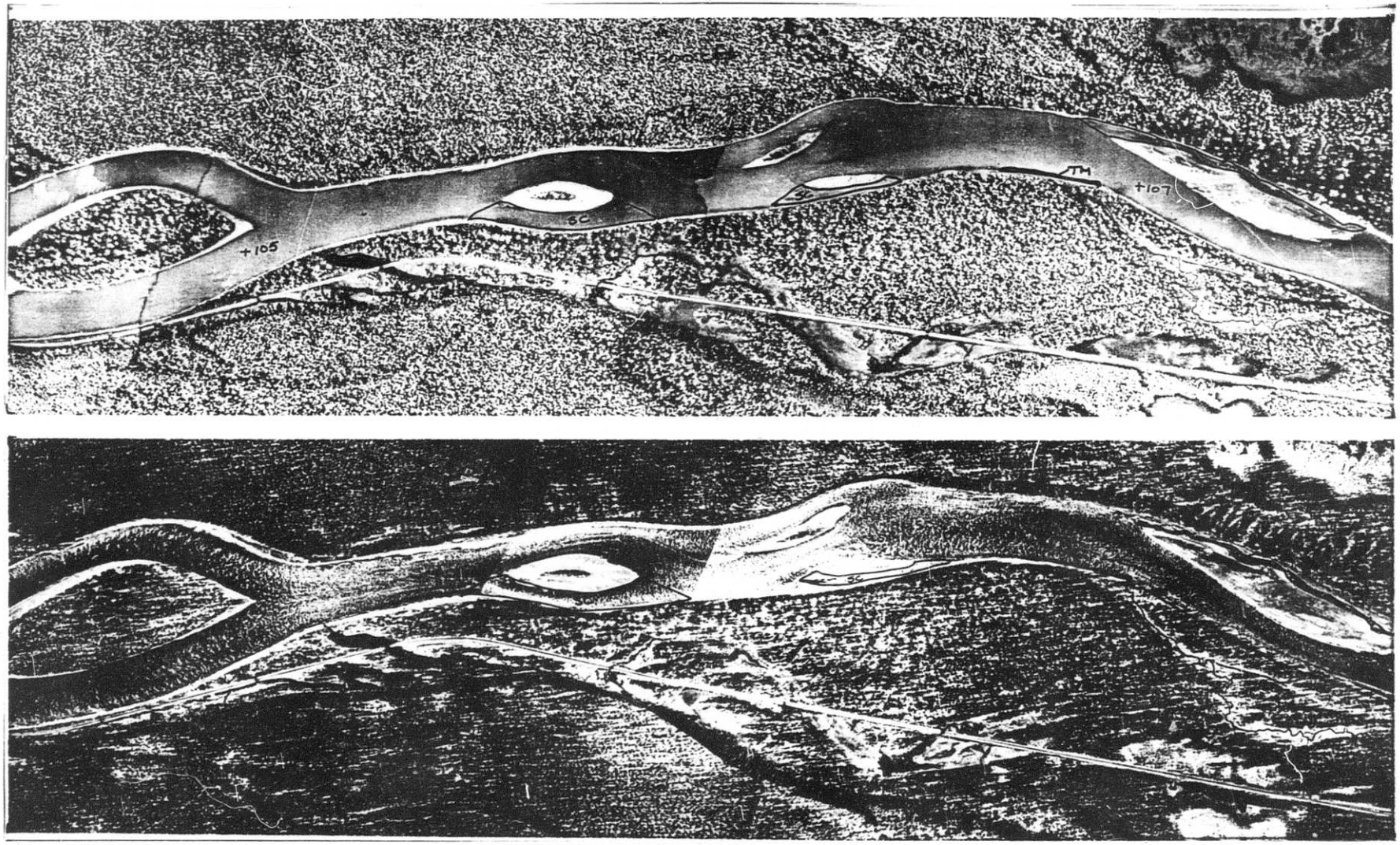
MIDDLE SUSITNA RIVER

PLATE 15 OF 18 RIVER MILE 108 TO 110

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A — E. WOODS TRIBOLET & ASSOCIATES

HARZA-EBASCO — SUSITNA JOINT VENTURE



LEGEND

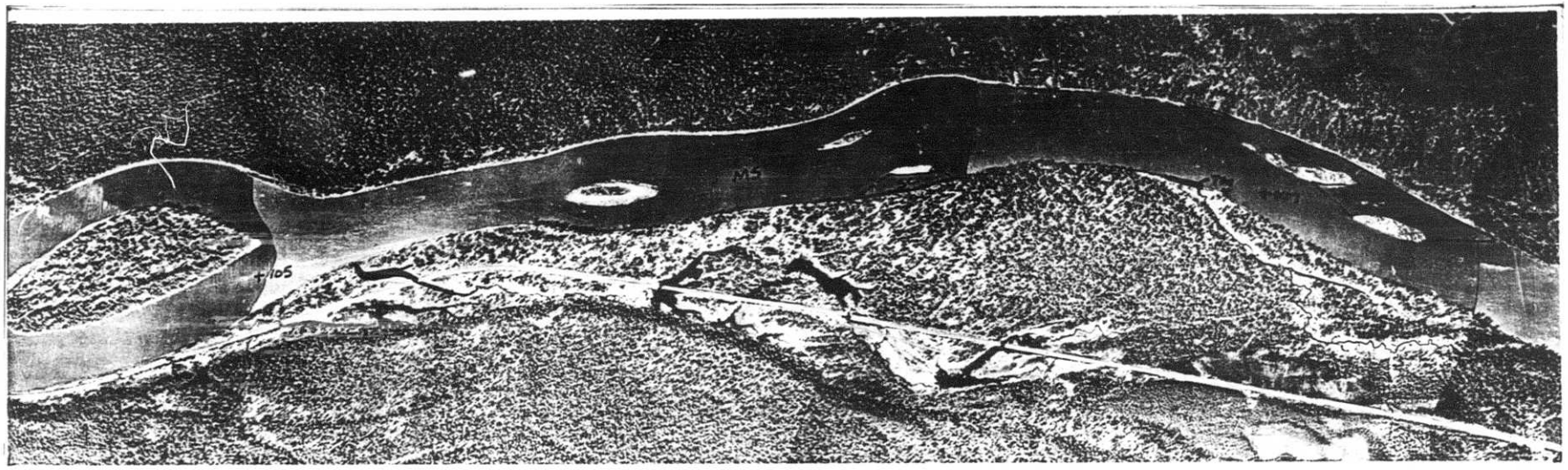
MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

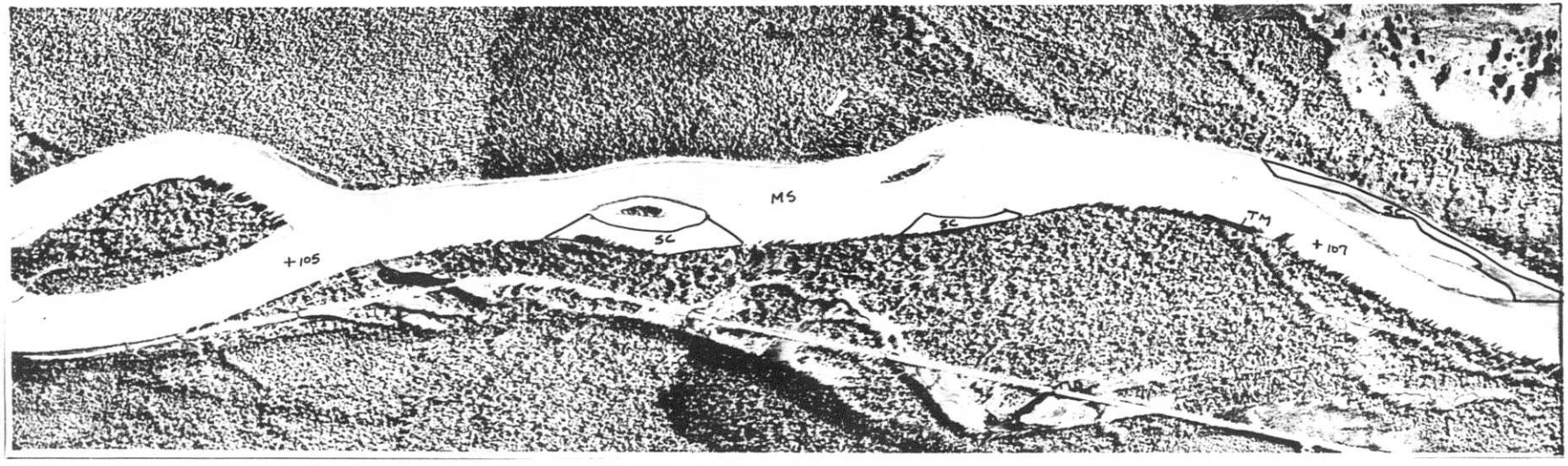
MIDDLE SUSITNA RIVER

PLATE 16 OF 18 RIVER MILE 105 TO 107

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | HARZA-EBASCO SUSITNA JOINT VENTURE





LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

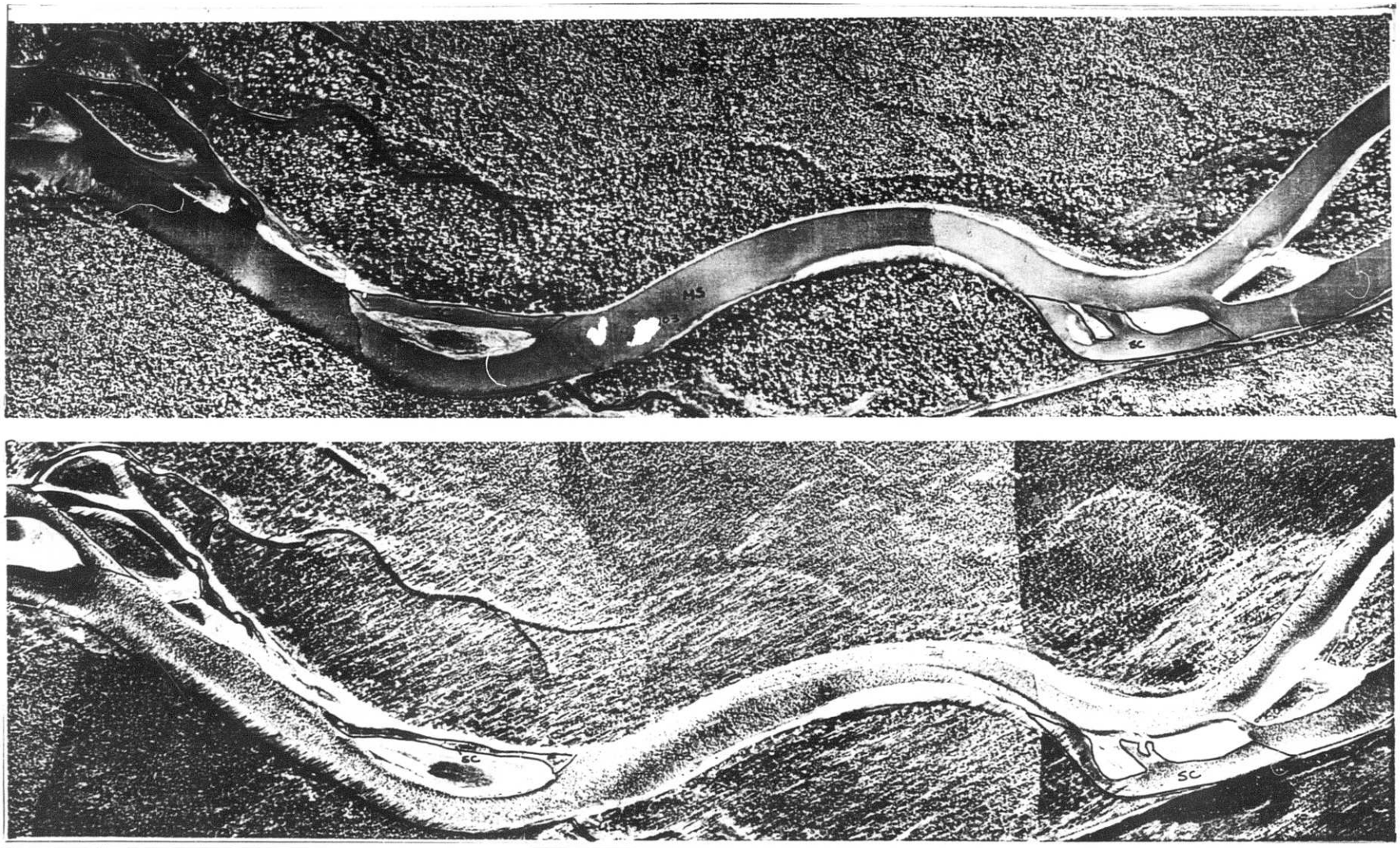
MIDDLE SUSITNA RIVER

PLATE 16 OF 18 RIVER MILE 105 TO 107

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
E. WOODY TRIBEY & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE



LEGEND

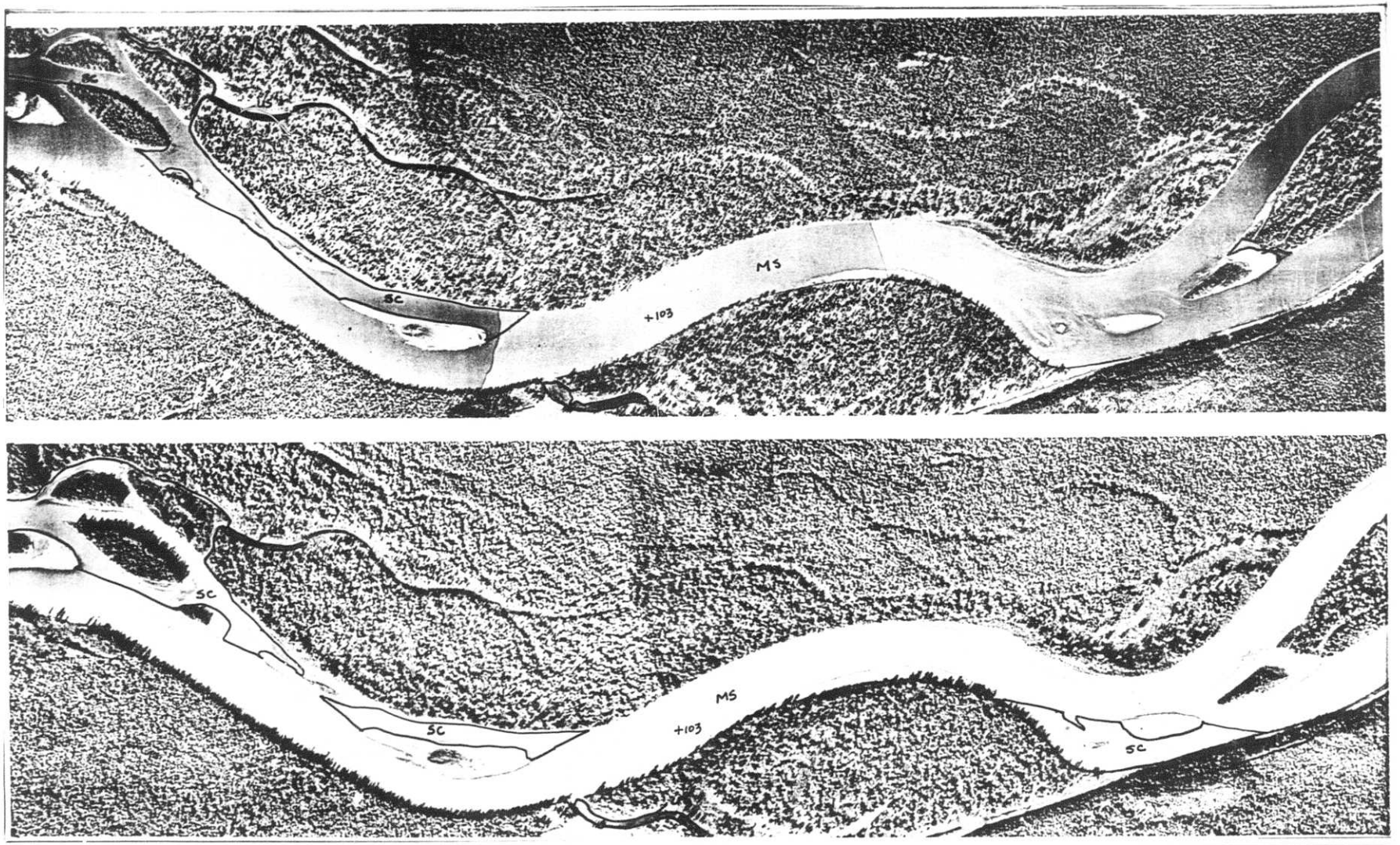
MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

MIDDLE SUSITNA RIVER

PLATE 17 OF 18 RIVER MILE 102 TO 104

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | HARZA-EBASCO SUSITNA JOINT VENTURE



LEGEND

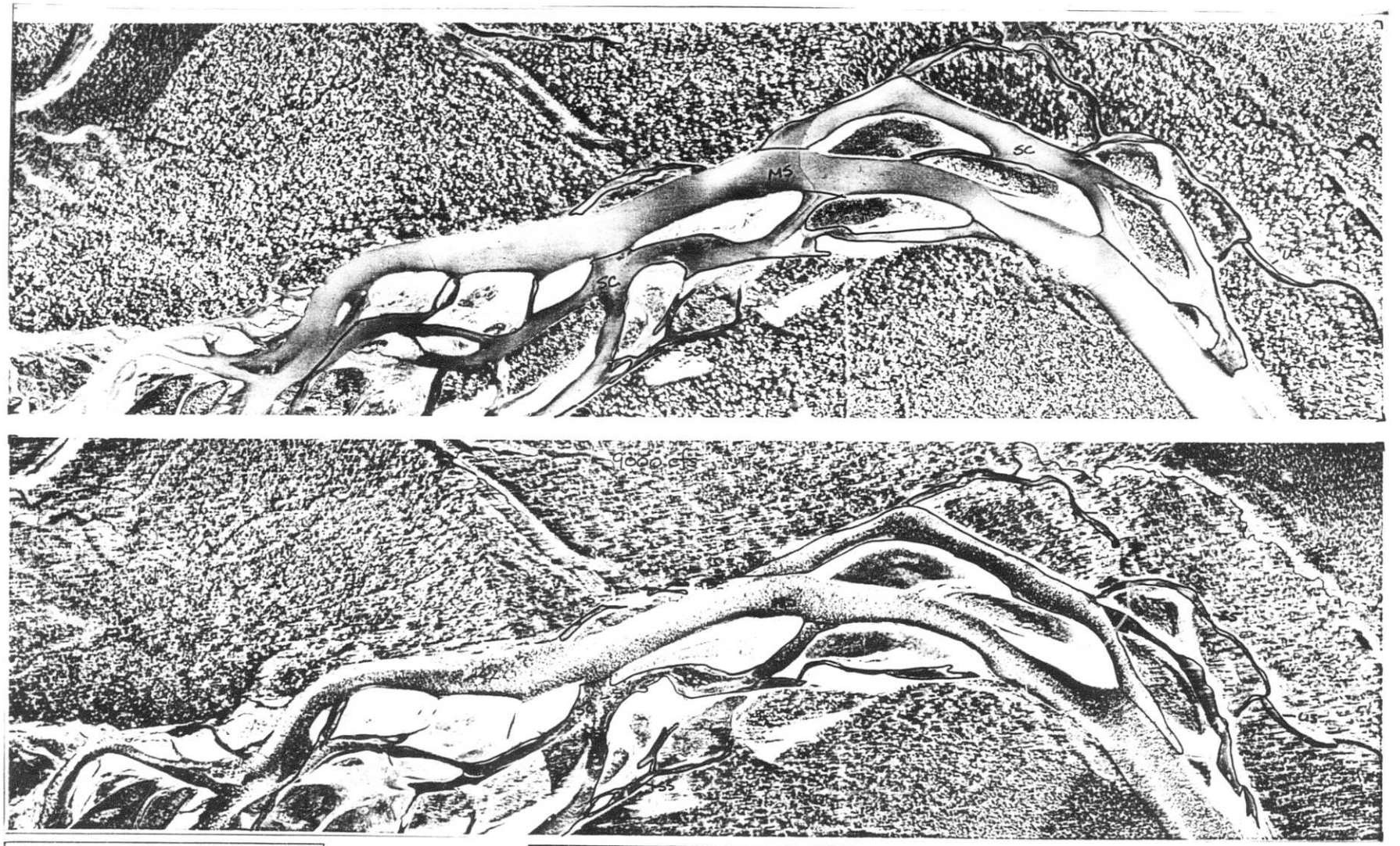
MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

MIDDLE SUSITNA RIVER

PLATE 17 OF 18 RIVER MILE 102 TO 104

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A | HARZA-EBASCO SUSITNA JOINT VENTURE



LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

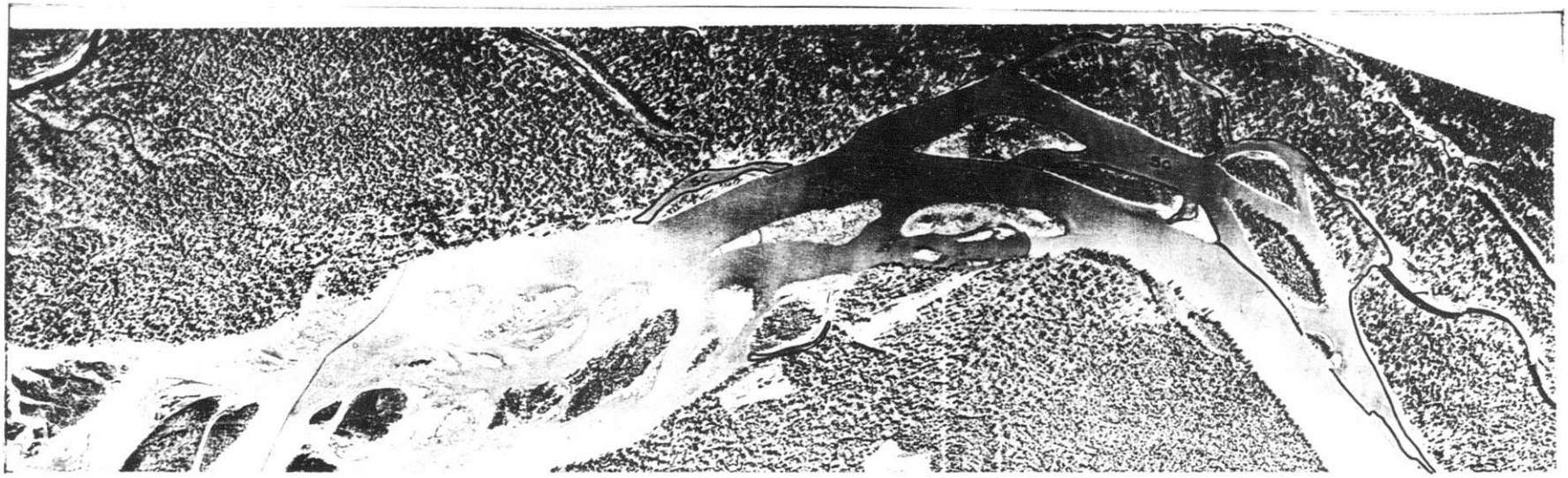
MIDDLE SUSITNA RIVER

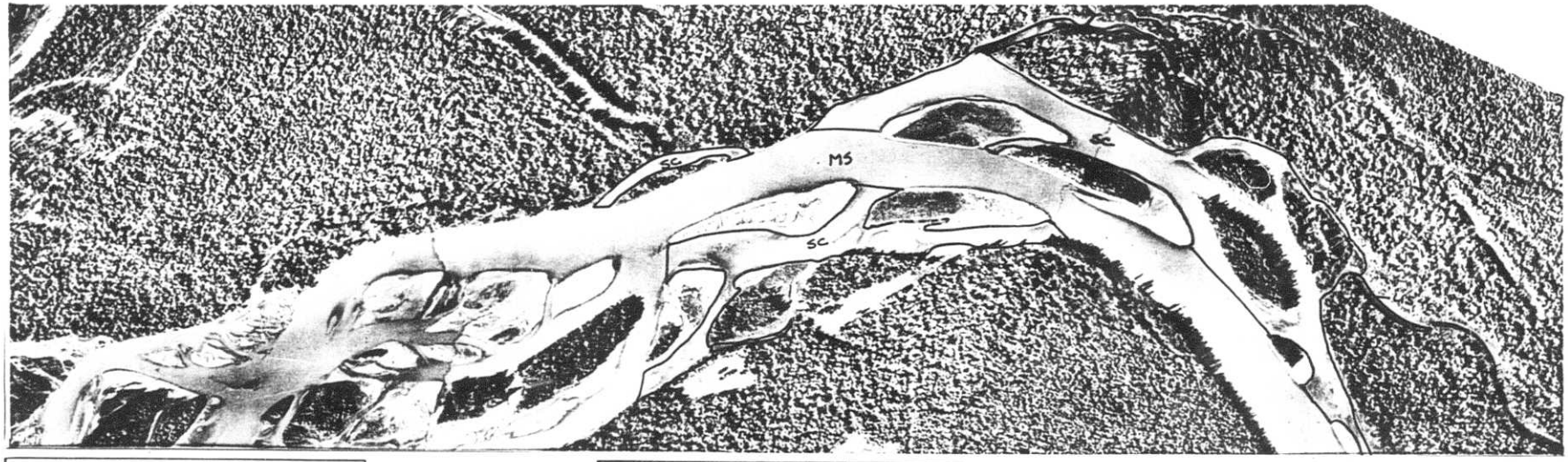
PLATE 18 OF 18 RIVER MILE 101 TO 102

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
E. WOODY TRIBOLET & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE





LEGEND

MS	MAINSTEM	TM	TRIBUTARY MOUTH
SC	SIDE CHANNEL	T	TRIBUTARY
SS	SIDE SLOUGH	+	RIVER MILE
US	UPLAND SLOUGH		

MIDDLE SUSITNA RIVER

PLATE 18 OF 18 RIVER MILE 101 TO 102

ALASKA POWER AUTHORITY
SUSITNA HYDROELECTRIC PROJECT

EWT&A
C. WOODY TRIBEY & ASSOCIATES

HARZA-EBASCO
SUSITNA JOINT VENTURE

APPENDIX I

INDIVIDUAL DIGITIZED AREAS BY PLATE

FLOW 1

2	1	1	7	32	003.3460		16
2	1	1	7	33	000.2253		16
2	1	1	5	34	000.2237		16
3	1	0	0	0	020.9436		1
3	1	0	7	1	000.0980		1
3	1	0	1	2	004.3220		1
3	1	0	7	3	000.3485		1
3	1	0	7	4	000.0884		1
3	1	0	7	5	000.0533		1
3	1	0	7	6	000.0140		1
3	1	0	7	7	000.1647		1
3	1	0	2	8	000.8227		1
3	1	0	8	9	000.0388		1
3	1	0	7	10	001.3356		1
3	1	0	3	11	000.1332		1
3	1	0	9	12	001.8580		1
3	1	0	7	13	000.0448		1
3	1	0	7	14	000.1569		1
3	1	0	2	15	000.4028		1
3	1	0	8	16	000.4121		1
3	1	0	3	17	000.0303		1
3	1	0	7	18	000.6091		1
3	1	0	3	19	000.0190		1
3	1	0	3	20	000.0141		1
3	1	0	7	21	000.0961		1
3	1	0	7	22	000.1166		1
3	1	0	2	23	000.3511		1
3	1	1	0	0	152.3323		16
3	1	1	9	24	002.7670		16
3	1	1	4	25	000.1018		16
3	1	1	9	26	024.0474		16
3	1	1	7	27	000.3146		16
3	1	1	7	28	001.7365		16
3	1	1	7	29	000.0460		16
3	1	1	7	30	000.4688		16
3	1	1	3	31	009.6050		16
3	1	1	7	32	000.0048		16
3	1	1	3	33	000.1062		16
3	1	1	7	34	010.3674		16
3	1	1	8	35	003.1658		16
3	1	1	3	36	000.0973		16
3	1	1	8	37	009.4234		16
3	1	1	8	38	003.4649		16
3	1	1	8	39	002.6643		16
3	1	1	7	40	033.1779		16
3	1	1	3	41	000.0382		16
3	1	1	8	42	012.9541		16
3	1	1	8	43	003.7479		16
3	1	1	3	44	000.0352		16
3	1	1	3	45	001.6719		16
3	1	1	7	46	002.2918		16
3	1	1	7	47	002.1834		16
3	1	1	2	48	008.6414		16
3	1	1	1	49	019.2774		16
4	1	0	0	0	044.0013		1
4	1	0	7	1	000.1340		1
4	1	0	7	2	000.0556		1
4	1	0	7	3	000.0151		1
4	1	0	7	4	000.3582		1

FLOW 1

Plate	Flow	Enlargement	Type	ID	Total	Factor
1	1	0	0	0	009.5154	1
1	1	0	7	1	000.3861	1
1	1	0	7	2	000.0247	1
1	1	0	7	3	000.1555	1
1	1	0	7	4	000.0942	1
1	1	0	7	5	000.2461	1
1	1	0	7	6	000.0646	1
1	1	0	7	7	000.0802	1
1	1	0	7	8	001.0436	1
1	1	0	8	9	000.6030	1
1	1	0	7	10	000.0460	1
1	1	0	1	11	004.9101	1
1	1	0	1	12	000.7240	1
1	1	0	1	13	000.0106	1
1	1	1	0	0	019.3118	16
1	1	1	7	14	000.8039	16
1	1	1	7	15	001.1040	16
1	1	1	7	16	000.5955	16
1	1	1	7	17	000.1616	16
1	1	1	7	18	000.0315	16
1	1	1	7	19	000.1821	16
1	1	1	5	20	002.2903	16
1	1	1	1	21	013.9634	16
2	1	0	0	0	016.5528	1
2	1	0	7	1	000.3222	1
2	1	0	7	2	000.0597	1
2	1	0	7	3	000.0582	1
2	1	0	7	4	000.1319	1
2	1	0	7	5	000.3004	1
2	1	0	7	6	000.0183	1
2	1	0	7	7	000.1567	1
2	1	0	7	8	000.3624	1
2	1	0	7	9	000.1011	1
2	1	0	8	10	001.8660	1
2	1	0	8	11	000.0411	1
2	1	0	7	12	000.1559	1
2	1	0	7	13	000.2033	1
2	1	0	8	14	001.2592	1
2	1	0	3	15	000.0361	1
2	1	0	3	16	000.0487	1
2	1	0	3	17	000.0266	1
2	1	0	2	18	001.5376	1
2	1	0	1	19	001.9652	1
2	1	0	7	20	000.1813	1
2	1	0	7	21	000.1006	1
2	1	0	7	22	001.3076	1
2	1	0	8	23	000.1072	1
2	1	0	8	24	001.0507	1
2	1	0	8	25	000.0435	1
2	1	0	2	26	000.2670	1
2	1	0	7	27	000.1843	1
2	1	0	7	28	000.0135	1
2	1	0	1	29	003.8881	1
2	1	0	7	30	000.0138	1
2	1	1	0	0	011.3069	16
2	1	1	1	31	007.5320	16

		FLOW 1				
4	1	2	7	62	000.4051	16
4	1	2	7	63	000.3567	16
4	1	2	4	64	000.0451	16
4	1	2	4	65	000.0054	16
4	1	2	4	66	000.4683	16
4	1	2	2	67	005.6519	16
4	1	2	7	68	000.1047	16
4	1	2	7	69	000.0263	16
4	1	2	7	70	000.2087	16
4	1	2	7	71	000.1276	16
4	1	2	7	72	000.3261	16
4	1	2	8	73	000.1654	16
4	1	3	0	0	046.3999	16
4	1	3	8	74	000.0893	16
4	1	3	3	75	000.0503	16
4	1	3	7	76	002.6268	16
4	1	3	3	77	000.2551	16
4	1	3	8	78	000.1304	16
4	1	3	7	79	000.2726	16
4	1	3	8	80	003.7534	16
4	1	3	7	81	001.0926	16
4	1	3	7	82	001.2220	16
4	1	3	7	83	000.5149	16
4	1	3	5	84	002.6189	16
4	1	3	5	85	000.0198	16
4	1	3	9	86	002.8807	16
4	1	3	7	87	000.4043	16
4	1	3	7	88	002.3435	16
4	1	3	1	89	013.9544	16
4	1	3	7	90	000.1244	16
4	1	3	8	91	000.0734	16
4	1	3	9	92	013.7734	16
5	1	0	0	0	046.4496	1
5	1	0	7	1	000.0162	1
5	1	0	7	2	000.2261	1
5	1	0	7	3	000.0195	1
5	1	0	7	4	000.2281	1
5	1	0	1	5	003.0113	1
5	1	0	7	6	000.2241	1
5	1	0	8	7	000.2260	1
5	1	0	8	8	000.7879	1
5	1	0	7	9	000.9355	1
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5	1	0	2	12	000.3840	1
5	1	0	7	13	000.0406	1
5	1	0	8	14	000.0976	1
5	1	0	3	15	000.0165	1
5	1	0	7	16	000.1351	1
5	1	0	7	17	000.2299	1
5	1	0	9	18	009.3564	1
5	1	0	7	19	000.0964	1
5	1	0	8	20	000.0737	1
5	1	0	2	21	000.0464	1
5	1	0	9	22	008.2253	1
5	1	0	7	23	000.2595	1
5	1	0	1	24	000.2878	1
5	1	0	3	25	000.2888	1
5	1	0	8	26	000.3651	1

		FLOW 1				
4	1	0	1	5	005.6090	1
4	1	0	7	6	000.0126	1
4	1	0	2	7	000.4969	1
4	1	0	2	8	000.2333	1
4	1	0	7	9	000.0657	1
4	1	0	7	10	000.1209	1
4	1	0	8	11	000.0346	1
4	1	0	7	12	000.8658	1
4	1	0	4	13	000.0048	1
4	1	0	7	14	000.0411	1
4	1	0	7	15	000.0841	1
4	1	0	7	16	000.3628	1
4	1	0	3	17	000.1064	1
4	1	0	8	18	000.0658	1
4	1	0	7	19	000.1825	1
4	1	0	9	20	006.4498	1
4	1	0	9	21	001.0456	1
4	1	0	9	22	014.2286	1
4	1	0	7	23	000.3692	1
4	1	0	2	24	000.7503	1
4	1	0	8	25	000.1248	1
4	1	0	7	26	000.1064	1
4	1	1	0	0	080.5566	16
4	1	1	1	27	005.6314	16
4	1	1	7	28	000.1045	16
4	1	1	7	29	005.4805	16
4	1	1	7	30	004.3918	16
4	1	1	7	31	000.0147	16
4	1	1	7	32	000.0154	16
4	1	1	7	33	000.0268	16
4	1	1	7	34	000.3489	16
4	1	1	7	35	000.0211	16
4	1	1	7	36	000.2770	16
4	1	1	2	37	000.0122	16
4	1	1	2	38	006.1278	16
4	1	1	7	39	000.6527	16
4	1	1	3	40	003.3757	16
4	1	1	7	41	002.9896	16
4	1	1	7	42	000.2416	16
4	1	1	7	43	000.2604	16
4	1	1	8	44	011.1750	16
4	1	1	7	45	001.1041	16
4	1	1	7	46	000.1075	16
4	1	1	7	47	000.0802	16
4	1	1	7	48	000.2125	16
4	1	1	6	49	000.0952	16
4	1	1	3	50	001.8824	16
4	1	1	6	51	000.1242	16
4	1	1	9	52	023.5518	16
4	1	1	9	53	012.0149	16
4	1	2	0	0	033.6429	16
4	1	2	9	54	024.4492	16
4	1	2	7	55	000.2786	16
4	1	2	7	56	000.0668	16
4	1	2	8	57	000.1194	16
4	1	2	4	58	000.0684	16
4	1	2	7	59	001.4963	16
4	1	2	7	60	000.1747	16
4	1	2	7	61	000.0909	16

		FLOW	1			
5	1	4	8	82	000.1465	16
5	1	4	7	83	002.6795	16
5	1	4	7	84	000.1342	16
5	1	4	2	85	004.7102	16
5	1	4	7	86	000.0737	16
5	1	4	8	87	000.3644	16
5	1	4	9	88	012.6490	16
5	1	4	9	89	040.9016	16
5	1	4	3	90	000.1513	16
5	1	4	7	91	001.7531	16
5	1	4	7	92	008.8654	16
5	1	4	7	93	000.8521	16
5	1	4	3	94	000.2055	16
5	1	4	3	95	002.7589	16
5	1	4	9	96	007.3654	16
6	1	0	0	0	040.1221	1
6	1	0	9	1	005.5293	1
6	1	0	9	2	003.4319	1
6	1	0	7	3	000.0539	1
6	1	0	7	4	000.0437	1
6	1	0	2	5	000.0467	1
6	1	0	7	6	000.1123	1
6	1	0	7	7	000.1415	1
6	1	0	2	8	000.1795	1
6	1	0	1	9	001.3555	1
6	1	0	8	10	000.1307	1
6	1	0	8	11	000.2151	1
6	1	0	8	12	000.1751	1
6	1	0	7	13	002.4281	1
6	1	0	8	14	000.2549	1
6	1	0	8	15	000.0769	1
6	1	0	8	16	000.0365	1
6	1	0	7	17	000.1878	1
6	1	0	7	18	000.0224	1
6	1	0	7	19	000.0493	1
6	1	0	7	20	000.0136	1
6	1	0	2	21	000.8665	1
6	1	0	7	22	000.0644	1
6	1	0	1	23	000.6020	1
6	1	0	7	24	000.1094	1
6	1	0	2	25	000.0269	1
6	1	0	7	26	000.2207	1
6	1	0	7	27	000.0535	1
6	1	0	7	28	000.2220	1
6	1	0	2	29	000.5180	1
6	1	0	7	30	000.0225	1
6	1	0	8	31	000.7301	1
6	1	0	7	32	000.7767	1
6	1	0	8	33	001.6274	1
6	1	0	8	34	000.0705	1
6	1	0	7	35	000.1506	1
6	1	0	2	36	001.0115	1
6	1	0	7	37	000.1738	1
6	1	0	3	38	000.0339	1
6	1	0	7	39	000.1221	1
6	1	0	1	40	000.5792	1
6	1	0	7	41	000.2400	1
6	1	0	1	42	001.4613	1
6	1	1	0	0	066.0717	16

		FLOW	1			
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5	1	0	7	28	001.7382	1
5	1	0	1	29	001.3865	1
5	1	0	1	30	000.2051	1
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5	1	1	0	0	069.3942	16
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5	1	1	7	33	000.1515	16
5	1	1	7	34	000.5006	16
5	1	1	7	35	000.2039	16
5	1	1	7	36	000.2019	16
5	1	1	7	37	000.6417	16
5	1	1	3	38	001.3803	16
5	1	1	3	39	000.1225	16
5	1	1	8	40	010.7871	16
5	1	1	8	41	000.3024	16
5	1	1	7	42	004.5846	16
5	1	1	7	43	000.3069	16
5	1	1	5	44	001.0885	16
5	1	1	7	45	005.0027	16
5	1	1	1	46	017.0854	16
5	1	1	7	47	000.7403	16
5	1	2	0	0	048.3596	16
5	1	2	9	48	019.3327	16
5	1	2	7	49	000.3388	16
5	1	2	4	50	001.5501	16
5	1	2	7	51	002.0336	16
5	1	2	1	52	011.7733	16
5	1	2	8	53	013.4856	16
5	1	3	0	0	069.7196	16
5	1	3	1	54	017.0839	16
5	1	3	5	55	000.4689	16
5	1	3	8	56	000.7213	16
5	1	3	8	57	004.2207	16
5	1	3	3	58	001.4998	16
5	1	3	3	59	000.0709	16
5	1	3	3	60	000.0558	16
5	1	3	3	61	000.0753	16
5	1	3	3	62	000.0278	16
5	1	3	3	63	000.0450	16
5	1	3	7	64	018.9500	16
5	1	3	9	65	007.7962	16
5	1	3	9	66	017.6424	16
5	1	3	9	67	001.0228	16
5	1	4	0	0	090.6717	16
5	1	4	1	68	000.9807	16
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5	1	4	8	70	000.5716	16
5	1	4	3	71	000.5601	16
5	1	4	7	72	000.2201	16
5	1	4	7	73	000.0332	16
5	1	4	7	74	000.2384	16
5	1	4	8	75	000.6702	16
5	1	4	4	76	000.2975	16
5	1	4	7	77	000.2093	16
5	1	4	4	78	000.1534	16
5	1	4	7	79	000.0354	16
5	1	4	7	80	000.0863	16
5	1	4	7	81	000.0103	16

FLOW 1

6	1	3	7	100	000.1465	16
6	1	3	7	101	000.8437	16
6	1	3	7	102	004.1946	16
6	1	3	7	103	000.0258	16
6	1	3	7	104	000.1354	16
6	1	3	7	105	005.8130	16
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6	1	3	7	108	000.2031	16
6	1	3	7	109	000.0149	16
6	1	3	1	110	019.9042	16
6	1	3	9	111	000.6410	16
7	1	0	0	0	041.0567	1
7	1	0	7	1	000.2348	1
7	1	0	8	2	000.0067	1
7	1	0	8	3	000.0321	1
7	1	0	8	4	000.0158	1
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7	1	0	7	6	000.6920	1
7	1	0	2	7	000.2206	1
7	1	0	7	8	000.0440	1
7	1	0	9	9	002.6734	1
7	1	0	7	10	000.4689	1
7	1	0	7	11	000.0228	1
7	1	0	2	12	000.5506	1
7	1	0	7	13	000.7136	1
7	1	0	8	14	000.0134	1
7	1	0	7	15	000.3316	1
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7	1	0	2	18	000.1440	1
7	1	0	7	19	000.0242	1
7	1	0	7	20	000.1055	1
7	1	0	1	21	002.8191	1
7	1	0	7	22	000.0058	1
7	1	0	1	23	000.0768	1
7	1	0	9	24	004.7695	1
7	1	0	7	25	000.1906	1
7	1	0	7	26	000.0300	1
7	1	0	2	27	000.2589	1
7	1	0	2	28	001.3808	1
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7	1	1	9	31	013.4842	16
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7	1	1	7	33	000.2207	16
7	1	1	7	34	000.0205	16
7	1	1	7	35	000.2117	16
7	1	1	5	36	000.6892	16
7	1	1	6	37	000.8840	16
7	1	1	7	38	001.0542	16
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7	1	1	7	41	000.6092	16
7	1	1	4	42	000.1058	16
7	1	1	7	43	001.4921	16
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FLOW 1

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6	1	1	7	46	000.0184	16
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6	1	1	7	50	000.6693	16
6	1	1	7	51	000.2515	16
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6	1	1	7	54	019.4161	16
6	1	1	2	55	000.7094	16
6	1	1	7	56	000.0208	16
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6	1	2	7	58	000.0783	16
6	1	2	7	59	000.1310	16
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6	1	2	7	62	000.0028	16
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6	1	2	8	81	002.6421	16
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7	1	1	7	57	000.0357	16
7	1	1	7	58	000.0208	16
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7	1	2	9	84	001.4725	16
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8	1	0	7	12	000.1201	1
8	1	0	8	13	000.1910	1
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FLOW 1

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9	1	1	7	40	000.0412	16
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9	1	2	0	0	307.5474	16
9	1	2	9	49	000.6369	16
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9	1	2	3	52	000.1483	16
9	1	2	3	53	000.4339	16
9	1	2	7	54	021.5392	16
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9	1	2	8	90	000.6225	16
9	1	2	7	91	000.8171	16
9	1	2	7	92	001.0266	16
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8	1	1	3	80	000.3051	16
8	1	1	7	81	002.9086	16
8	1	1	7	82	000.0439	16
8	1	1	7	83	001.2572	16
8	1	1	4	84	000.1508	16
8	1	1	6	85	000.0321	16
8	1	1	4	86	001.5169	16
8	1	1	7	87	003.4865	16
8	1	1	2	88	002.4359	16
8	1	1	2	89	008.1348	16
8	1	1	3	90	005.2565	16
8	1	1	7	91	000.0887	16
8	1	1	3	92	003.1720	16
8	1	1	1	93	022.7771	16
8	1	1	9	94	094.1154	16
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9	1	1	3	32	000.1618	16
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9	1	1	3	34	000.0547	16
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10	1	2	7	62	000.3703	16
10	1	2	4	63	002.5092	16
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10	1	2	9	66	063.3723	16
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10	1	0	8	3	000.0172	1
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12	1	1	2	34	006.0605	16	
12	1	1	7	35	007.2980	16	
12	1	1	7	36	000.2240	16	
12	1	1	3	37	000.7525	16	
12	1	1	7	38	005.7699	16	
12	1	1	8	39	005.0384	16	
12	1	1	3	40	000.4923	16	
12	1	1	3	41	000.4960	16	
12	1	1	8	42	003.7822	16	
12	1	1	7	43	000.2496	16	
12	1	1	7	44	004.5008	16	
12	1	1	2	45	000.9068	16	
12	1	1	9	46	019.0942	16	
12	1	1	1	47	060.2130	16	
12	1	1	9	48	010.8464	16	
13	1	0	0	0	022.5965	1	
13	1	0	8	1	000.0268	1	
13	1	0	7	2	000.0764	1	
13	1	0	2	3	000.1153	1	
13	1	0	7	4	000.5120	1	
13	1	0	7	5	000.0815	1	
13	1	0	1	6	001.7818	1	
13	1	0	7	7	000.0228	1	
13	1	0	7	8	000.0213	1	
13	1	0	7	9	000.0801	1	
13	1	0	1	10	001.1999	1	
13	1	0	8	11	000.0638	1	
13	1	0	7	12	000.1041	1	
13	1	0	1	13	001.3425	1	
13	1	0	7	14	000.0221	1	
13	1	0	9	15	000.0842	1	
13	1	1	0	0	135.4154	16	
13	1	1	8	16	009.1246	16	
13	1	1	7	17	012.3141	16	
13	1	1	2	18	001.2105	16	
13	1	1	7	19	001.2004	16	
13	1	1	7	20	006.2416	16	
13	1	1	7	21	000.0378	16	
13	1	1	2	22	011.7395	16	
13	1	1	8	23	017.4320	16	
13	1	1	3	24	002.2604	16	
13	1	1	3	25	000.1646	16	
13	1	1	3	26	000.1121	16	
13	1	1	3	27	000.6248	16	
13	1	1	3	28	004.8991	16	
13	1	1	7	29	027.8614	16	
13	1	1	8	30	013.4254	16	

		FLOW	1				
11	1	1	7	42	018.5240	16	
11	1	1	7	43	000.8023	16	
11	1	1	7	44	002.0930	16	
11	1	1	9	45	013.8760	16	
11	1	2	0	0	104.1793	16	
11	1	2	1	46	001.6129	16	
11	1	2	7	47	001.1195	16	
11	1	2	9	48	003.7649	16	
11	1	2	6	49	000.1400	16	
11	1	2	7	50	000.0190	16	
11	1	2	9	51	003.4450	16	
11	1	2	6	52	000.0401	16	
11	1	2	9	53	000.6378	16	
11	1	2	8	54	006.6626	16	
11	1	2	3	55	000.5561	16	
11	1	2	8	56	004.1069	16	
11	1	2	7	57	007.1667	16	
11	1	2	8	58	020.0029	16	
11	1	2	7	59	000.4983	16	
11	1	2	7	60	000.3141	16	
11	1	2	7	61	000.8432	16	
11	1	2	7	62	000.0668	16	
11	1	2	8	63	020.7862	16	
11	1	2	7	64	000.2265	16	
11	1	2	7	65	000.0844	16	
11	1	2	7	66	001.3914	16	
11	1	2	7	67	000.7224	16	
11	1	2	3	68	000.5210	16	
11	1	2	8	69	003.1273	16	
11	1	2	7	70	000.4049	16	
11	1	2	8	71	000.7805	16	
11	1	2	9	72	001.0191	16	
11	1	2	9	73	001.0251	16	
11	1	2	2	74	020.5579	16	
11	1	2	7	75	000.3404	16	
11	1	2	1	76	002.0279	16	
12	1	0	0	0	023.7106	1	
12	1	0	7	1	000.3589	1	
12	1	0	8	2	000.2354	1	
12	1	0	7	3	000.3037	1	
12	1	0	7	4	000.1049	1	
12	1	0	4	5	000.0509	1	
12	1	0	7	6	000.1712	1	
12	1	0	7	7	000.3925	1	
12	1	0	2	8	000.4806	1	
12	1	0	9	9	002.1370	1	
12	1	0	7	10	000.0667	1	
12	1	0	7	11	000.6891	1	
12	1	0	7	12	000.0672	1	
12	1	0	9	13	001.3312	1	
12	1	0	7	14	000.0152	1	
12	1	0	1	15	000.2401	1	
12	1	0	7	16	000.0941	1	
12	1	0	1	17	000.1973	1	
12	1	0	7	18	000.0607	1	
12	1	0	1	19	004.3104	1	
12	1	1	0	0	198 5352	16	
12	1	1	8	20	000.1338	16	
12	1	1	8	21	000.5844	16	

		FLOW	1			
14	1	0	9	29	005.7861	1
14	1	0	1	30	006.0406	1
14	1	1	0	0	082.2295	16
14	1	1	7	31	000.2236	16
14	1	1	1	32	000.9986	16
14	1	1	7	33	003.2845	16
14	1	1	7	34	000.5554	16
14	1	1	3	35	001.6366	16
14	1	1	9	36	016.4236	16
14	1	1	7	37	005.7056	16
14	1	1	2	38	018.5334	16
14	1	1	8	39	005.0612	16
14	1	1	8	40	003.5315	16
14	1	1	7	41	009.8476	16
14	1	1	9	42	014.8608	16
14	1	1	4	43	001.5866	16
14	1	1	7	44	000.0563	16
14	1	2	0	0	079.1398	16
14	1	2	1	45	001.5719	16
14	1	2	7	46	001.5942	16
14	1	2	3	47	001.9266	16
14	1	2	3	48	000.4981	16
14	1	2	3	49	000.5011	16
14	1	2	7	50	006.2530	16
14	1	2	8	51	032.6150	16
14	1	2	9	52	031.0059	16
14	1	2	1	53	003.3631	16
15	1	0	0	0	023.0584	1
15	1	0	9	1	000.3574	1
15	1	0	7	2	000.1588	1
15	1	0	7	3	000.1276	1
15	1	0	7	4	000.1453	1
15	1	0	7	5	000.1716	1
15	1	0	8	6	000.1140	1
15	1	0	7	7	000.2620	1
15	1	0	2	8	000.5500	1
15	1	0	7	9	000.0274	1
15	1	0	7	10	000.1853	1
15	1	0	8	11	000.7106	1
15	1	0	8	12	000.6149	1
15	1	0	7	13	001.0201	1
15	1	0	2	14	001.0564	1
15	1	0	9	15	007.7329	1
15	1	0	1	16	007.5926	1
15	1	1	0	0	017.6896	16
15	1	1	7	23	000.2120	16
15	1	1	7	24	001.0508	16
15	1	1	4	25	000.4358	16
15	1	1	9	26	011.1960	16
15	1	1	1	27	004.7826	16
15	1	2	0	0	018.8767	16
15	1	2	7	17	000.4667	16
15	1	2	7	18	000.9082	16
15	1	2	4	19	000.3353	16
15	1	2	9	20	003.4786	16
15	1	2	9	21	008.4742	16
15	1	2	1	22	005.1219	16
16	1	0	0	0	029.7320	1
16	1	0	7	1	000.4857	1

		FLOW	1			
13	1	1	1	31	015.7556	16
13	1	1	1	32	003.4060	16
13	1	1	9	33	007.5433	16
13	1	2	0	0	136.8177	16
13	1	2	7	34	002.4519	16
13	1	2	9	35	016.9476	16
13	1	2	7	36	000.1619	16
13	1	2	5	37	000.4129	16
13	1	2	6	38	000.1961	16
13	1	2	4	39	000.5188	16
13	1	2	9	40	029.9727	16
13	1	2	2	41	001.1760	16
13	1	2	7	42	007.5234	16
13	1	2	8	43	002.5092	16
13	1	2	7	44	000.1633	16
13	1	2	7	45	000.8497	16
13	1	2	2	46	001.5376	16
13	1	2	7	47	000.0657	16
13	1	2	7	48	000.6415	16
13	1	2	7	49	000.2093	16
13	1	2	7	50	000.4076	16
13	1	2	7	51	000.1315	16
13	1	2	7	52	000.1886	16
13	1	2	7	53	000.2248	16
13	1	2	8	54	007.1484	16
13	1	2	7	55	014.2545	16
13	1	2	7	56	006.3732	16
13	1	2	8	57	002.8874	16
13	1	2	2	58	022.2983	16
13	1	2	1	59	017.1707	16
14	1	0	0	0	033.3399	1
14	1	0	9	1	001.2229	1
14	1	0	8	2	000.1899	1
14	1	0	7	3	000.1276	1
14	1	0	7	4	000.0537	1
14	1	0	4	5	000.0567	1
14	1	0	7	6	000.6114	1
14	1	0	7	7	000.2146	1
14	1	0	8	8	000.4695	1
14	1	0	7	9	000.4999	1
14	1	0	7	10	000.0747	1
14	1	0	8	11	000.3590	1
14	1	0	8	12	000.5381	1
14	1	0	7	13	001.4155	1
14	1	0	8	14	000.2499	1
14	1	0	7	15	000.0882	1
14	1	0	5	16	000.0100	1
14	1	0	7	17	000.0423	1
14	1	0	2	18	002.2822	1
14	1	0	7	19	000.1005	1
14	1	0	7	20	000.0200	1
14	1	0	7	21	000.0820	1
14	1	0	7	22	000.0337	1
14	1	0	8	23	001.4896	1
14	1	0	7	24	000.0609	1
14	1	0	7	25	000.1172	1
14	1	0	2	26	000.1283	1
14	1	0	7	27	000.1566	1
14	1	0	9	28	000.5581	1

		FLOW	1			
18	1	0	2	12	000.0654	1
18	1	0	2	13	000.6257	1
18	1	0	1	14	001.8388	1
18	1	0	3	15	000.0607	1
18	1	0	7	16	000.0968	1
18	1	0	8	17	000.1758	1
18	1	0	3	18	000.0228	1
18	1	0	7	19	000.0786	1
18	1	0	2	20	000.4570	1
18	1	0	7	21	000.1725	1
18	1	0	8	22	000.4767	1
18	1	0	7	23	000.1609	1
18	1	0	8	24	000.2188	1
18	1	0	7	25	000.2752	1
18	1	0	1	26	000.8023	1
18	1	0	1	27	001.6359	1
18	1	0	8	28	000.0491	1
18	1	0	2	29	000.0833	1
18	1	0	7	30	000.5579	1
18	1	0	9	31	001.1389	1
18	1	1	0	0	119.5019	16
18	1	1	7	32	002.0961	16
18	1	1	7	33	000.0851	16
18	1	1	7	34	000.9436	16
18	1	1	6	35	000.8396	16
18	1	1	3	36	001.6917	16
18	1	1	4	37	001.3553	16
18	1	1	8	38	003.8931	16
18	1	1	7	39	005.5423	16
18	1	1	8	40	006.9200	16
18	1	1	9	41	004.6062	16
18	1	1	8	42	006.3738	16
18	1	1	7	43	002.9437	16
18	1	1	8	44	002.2315	16
18	1	1	7	45	005.1092	16
18	1	1	2	46	018.7099	16
18	1	1	9	47	031.9708	16
18	1	1	7	48	000.4684	16
18	1	1	8	49	021.1489	16
18	1	1	3	66	003.1660	16
18	1	2	0	0	108.7436	16
18	1	2	7	50	000.0561	16
18	1	2	7	51	010.5841	16
18	1	2	8	52	006.0930	16
18	1	2	3	53	002.7003	16
18	1	2	7	54	012.7232	16
18	1	2	8	55	000.9964	16
18	1	2	7	56	015.3592	16
18	1	2	3	57	002.3592	16
18	1	2	7	58	000.4592	16
18	1	2	8	59	006.6274	16
18	1	2	8	60	000.6425	16
18	1	2	7	61	000.9404	16
18	1	2	7	62	000.0425	16
18	1	2	2	63	015.2130	16
18	1	2	1	64	015.1234	16
18	1	2	9	65	019.5713	16

		FLOW	1			
16	1	0	7	2	000.1742	1
16	1	0	8	3	001.7896	1
16	1	0	7	4	000.0227	1
16	1	0	7	5	000.1232	1
16	1	0	7	6	000.2267	1
16	1	0	4	7	000.0691	1
16	1	0	8	8	000.0380	1
16	1	0	7	9	000.3889	1
16	1	0	2	10	000.4315	1
16	1	0	7	11	000.1076	1
16	1	0	8	12	000.0220	1
16	1	0	7	13	000.1063	1
16	1	0	1	14	006.2083	1
16	1	0	1	15	000.3602	1
16	1	0	9	16	010.5674	1
16	1	0	9	17	000.4750	1
16	1	1	0	0	130.0353	16
16	1	1	7	18	000.5069	16
16	1	1	7	19	002.1333	16
16	1	1	7	20	003.0913	16
16	1	1	2	21	001.7635	16
16	1	1	7	22	000.9174	16
16	1	1	5	23	000.1848	16
16	1	1	6	24	000.2166	16
16	1	1	9	25	035.4348	16
16	1	1	9	26	004.2579	16
16	1	1	7	27	002.4625	16
16	1	1	3	28	002.3691	16
16	1	1	7	29	015.4239	16
16	1	1	9	30	011.7093	16
16	1	1	1	31	048.8150	16
16	1	1	9	32	000.3765	16
17	1	0	0	0	011.7774	1
17	1	0	7	1	000.5795	1
17	1	0	2	2	000.2758	1
17	1	0	8	3	000.1307	1
17	1	0	7	4	000.7186	1
17	1	0	7	5	000.6562	1
17	1	0	7	6	000.6391	1
17	1	0	7	7	000.1793	1
17	1	0	7	8	000.0183	1
17	1	0	7	9	000.2791	1
17	1	0	8	10	000.1855	1
17	1	0	7	11	000.5255	1
17	1	0	8	12	000.1655	1
17	1	0	2	13	000.7591	1
17	1	0	1	14	006.6243	1
18	1	0	0	0	026.7975	1
18	1	0	7	1	000.0398	1
18	1	0	7	2	001.4474	1
18	1	0	8	3	000.3341	1
18	1	0	8	4	000.0176	1
18	1	0	7	5	000.8228	1
18	1	0	8	6	000.2202	1
18	1	0	7	7	000.0607	1
18	1	0	8	8	000.5109	1
18	1	0	7	9	000.0468	1
18	1	0	7	10	000.2350	1
18	1	0	2	11	000.0261	1

FLOW 2

2	2	2	2	36	003.8983	16
2	2	2	7	37	000.0538	16
2	2	2	7	38	000.1894	16
2	2	2	7	39	000.1894	16
2	2	2	8	40	000.1624	16
2	2	2	8	41	000.4848	16
2	2	2	7	42	000.0325	16
2	2	2	7	43	000.3471	16
2	2	2	3	44	002.9459	16
2	2	2	7	45	000.1784	16
2	2	2	8	46	015.3591	16
2	2	2	7	47	008.5681	16
2	2	2	8	48	001.4009	16
2	2	2	7	49	000.0608	16
2	2	2	7	50	000.4000	16
2	2	2	1	51	014.1836	16
3	2	0	0	0	019.2524	1
3	2	0	1	1	004.0532	1
3	2	0	2	2	001.1108	1
3	2	0	7	3	000.2617	1
3	2	0	7	4	000.0368	1
3	2	0	7	5	000.0209	1
3	2	0	7	6	000.0656	1
3	2	0	7	7	000.5899	1
3	2	0	8	8	000.0170	1
3	2	0	8	9	000.0547	1
3	2	0	8	10	000.0562	1
3	2	0	3	11	000.1675	1
3	2	0	7	12	000.2291	1
3	2	0	7	13	000.0115	1
3	2	0	7	14	000.0967	1
3	2	0	7	15	000.7592	1
3	2	0	3	16	000.0411	1
3	2	0	7	17	000.0068	1
3	2	0	7	18	000.0551	1
3	2	0	7	19	000.0516	1
3	2	0	8	20	000.0368	1
3	2	0	2	21	000.4736	1
3	2	0	9	22	001.7560	1
3	2	1	0	0	142.2627	16
3	2	1	9	23	027.8793	16
3	2	1	7	24	001.4857	16
3	2	1	3	25	008.9611	16
3	2	1	3	26	000.0988	16
3	2	1	8	27	003.2765	16
3	2	1	7	28	006.7048	16
3	2	1	8	29	008.7594	16
3	2	1	8	30	003.1166	16
3	2	1	8	31	002.4479	16
3	2	1	3	32	000.2821	16
3	2	1	7	33	014.0445	16
3	2	1	8	34	004.0871	16
3	2	1	8	35	012.1984	16
3	2	1	3	36	000.2866	16
3	2	1	7	37	000.1170	16
3	2	1	7	38	000.0363	16
3	2	1	8	39	000.7466	16
3	2	1	8	40	000.0593	16
3	2	1	8	41	000.3442	16

FLOW 2

Plate	Flow	Enlargement	Type	ID	Total	Factor
1	2	0	0	0	008.7193	1
1	2	0	7	1	000.2150	1
1	2	0	7	2	000.9013	1
1	2	0	8	3	000.5773	1
1	2	0	7	4	000.0410	1
1	2	0	7	5	000.0522	1
1	2	0	7	6	000.0403	1
1	2	0	7	7	000.1470	1
1	2	0	1	8	004.8498	1
1	2	0	1	9	000.7438	1
1	2	1	0	0	016.6309	16
1	2	1	7	10	000.2101	16
1	2	1	7	11	000.8147	16
1	2	1	7	12	000.1700	16
1	2	1	7	13	000.0573	16
1	2	1	5	14	002.5497	16
1	2	1	1	15	012.7127	16
2	2	0	0	0	015.2198	1
2	2	0	7	1	000.0767	1
2	2	0	7	2	000.0271	1
2	2	0	7	3	000.0423	1
2	2	0	7	4	000.0414	1
2	2	0	7	5	000.0737	1
2	2	0	7	6	000.0167	1
2	2	0	7	7	000.2166	1
2	2	0	7	8	000.1450	1
2	2	0	7	9	000.2425	1
2	2	0	7	10	000.0629	1
2	2	0	8	11	001.7374	1
2	2	0	7	12	000.0361	1
2	2	0	8	13	000.0497	1
2	2	0	1	14	001.9081	1
2	2	0	2	15	001.6304	1
2	2	0	3	16	000.2021	1
2	2	0	7	17	000.0714	1
2	2	0	1	18	003.2620	1
2	2	0	7	19	000.0063	1
2	2	0	7	20	000.0255	1
2	2	0	7	21	000.0852	1
2	2	0	7	22	000.0676	1
2	2	0	7	23	000.0490	1
2	2	0	2	24	000.0194	1
2	2	0	2	25	000.0283	1
2	2	0	7	26	000.0164	1
2	2	0	7	27	000.0108	1
2	2	0	8	52	001.1236	1
2	2	1	0	0	011.1966	16
2	2	1	1	28	008.1699	16
2	2	1	5	29	001.0358	16
2	2	1	7	30	001.8799	16
2	2	1	7	31	000.0176	16
2	2	1	7	32	000.0742	16
2	2	1	8	33	000.0604	16
2	2	2	0	0	050.3808	16
2	2	2	7	34	000.0831	16
2	2	2	7	35	001.5722	16

FLOW 2

4	2	2	7	48	000.3745	16
4	2	2	7	49	000.0990	16
4	2	2	7	50	000.1473	16
4	2	2	1	51	000.6964	16
4	2	2	2	52	004.0614	16
4	2	3	0	0	048.9701	16
4	2	3	8	53	001.0604	16
4	2	3	7	54	000.0429	16
4	2	3	3	55	000.1076	16
4	2	3	7	56	001.5139	16
4	2	3	9	57	014.2753	16
4	2	3	8	58	000.1696	16
4	2	3	7	59	000.1718	16
4	2	3	8	60	003.3935	16
4	2	3	7	61	001.2510	16
4	2	3	7	62	000.5165	16
4	2	3	7	63	000.0093	16
4	2	3	7	64	001.0213	16
4	2	3	7	65	000.5123	16
4	2	3	7	66	000.1298	16
4	2	3	9	67	003.0289	16
4	2	3	7	68	000.2632	16
4	2	3	7	69	003.6260	16
4	2	3	5	70	005.2204	16
4	2	3	1	71	012.5403	16
5	2	0	0	0	045.6356	1
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5	2	0	1	2	002.9587	1
5	2	0	7	3	000.1961	1
5	2	0	8	4	000.2477	1
5	2	0	8	5	000.7863	1
5	2	0	8	6	000.0737	1
5	2	0	8	7	000.0895	1
5	2	0	7	8	000.6357	1
5	2	0	2	9	000.5615	1
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5	2	0	3	11	000.0195	1
5	2	0	7	12	000.1989	1
5	2	0	7	13	000.0317	1
5	2	0	2	14	000.3868	1
5	2	0	7	15	000.1648	1
5	2	0	7	16	000.0253	1
5	2	0	7	17	000.0150	1
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5	2	0	7	23	000.1165	1
5	2	0	1	24	002.1586	1
5	2	0	7	25	000.0663	1
5	2	0	9	26	000.6971	1
5	2	0	7	27	000.1554	1
5	2	0	9	28	008.6765	1
5	2	0	7	29	000.0378	1
5	2	0	7	30	000.1423	1
5	2	0	2	31	000.3982	1
5	2	0	8	32	000.4019	1
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FLOW 2

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3	2	1	7	43	000.2015	16
3	2	1	7	44	000.0193	16
3	2	1	7	45	000.0957	16
3	2	1	7	46	000.4135	16
3	2	1	7	47	000.1143	16
3	2	1	7	48	000.1307	16
3	2	1	2	49	012.5521	16
3	2	1	1	50	020.9346	16
4	2	0	0	0	041.6744	1
4	2	0	7	1	000.0137	1
4	2	0	7	2	000.2692	1
4	2	0	7	3	000.1074	1
4	2	0	1	4	006.3829	1
4	2	0	7	5	000.0476	1
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4	2	0	7	7	000.0636	1
4	2	0	7	8	000.3592	1
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4	2	0	7	12	000.0509	1
4	2	0	7	13	000.1290	1
4	2	0	2	14	000.0320	1
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4	2	0	8	16	000.0573	1
4	2	0	7	17	000.4433	1
4	2	0	2	18	000.2324	1
4	2	0	2	19	000.0971	1
4	2	0	8	20	000.0757	1
4	2	0	7	21	000.1083	1
4	2	0	7	22	000.0555	1
4	2	0	7	23	000.0126	1
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4	2	0	7	27	000.2695	1
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4	2	0	7	30	000.0251	1
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4	2	0	7	32	000.0206	1
4	2	0	9	33	008.5554	1
4	2	0	9	34	013.5663	1
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4	2	1	7	35	001.6049	16
4	2	1	2	36	008.3181	16
4	2	1	8	37	010.8531	16
4	2	1	7	38	002.1334	16
4	2	1	7	39	000.1718	16
4	2	1	3	40	000.8318	16
4	2	1	7	41	000.0743	16
4	2	1	7	42	000.0295	16
4	2	1	9	43	006.5720	16
4	2	2	0	0	030.5904	16
4	2	2	9	44	023.9854	16
4	2	2	7	45	000.1055	16
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FLOW 2

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5	2	4	3	91	002.6561	16
5	2	4	9	92	013.2202	16
6	2	0	0	0	041.7254	1
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6	2	0	9	2	002.1860	1
6	2	0	7	3	000.0753	1
6	2	0	2	4	000.0797	1
6	2	0	7	5	000.0430	1
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6	2	0	8	7	000.0096	1
6	2	0	7	8	000.2490	1
6	2	0	1	9	005.2996	1
6	2	0	7	10	000.1477	1
6	2	0	7	11	000.0071	1
6	2	0	7	12	000.0087	1
6	2	0	8	13	000.0604	1
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6	2	0	8	15	001.6682	1
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6	2	0	3	21	000.0084	1
6	2	0	7	22	000.0312	1
6	2	0	7	23	000.1297	1
6	2	0	7	24	000.0154	1
6	2	0	7	25	000.1491	1
6	2	0	2	26	002.0921	1
6	2	0	8	27	000.2201	1
6	2	0	8	28	000.0833	1
6	2	0	8	29	000.1832	1
6	2	0	8	30	000.1591	1
6	2	0	8	31	000.1363	1
6	2	0	7	32	001.9810	1
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6	2	0	7	35	000.0567	1
6	2	0	2	36	000.9580	1
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6	2	1	9	38	002.6338	16
6	2	1	4	39	000.6884	16
6	2	1	9	40	019.9251	16
6	2	1	7	41	000.9270	16
6	2	1	7	42	000.1674	16
6	2	1	7	43	000.0319	16
6	2	1	3	44	000.7796	16
6	2	1	8	45	000.5294	16
6	2	1	7	46	016.0193	16
6	2	1	2	47	001.3623	16
6	2	1	1	48	002.3034	16
6	2	1	1	49	001.3552	16
6	2	2	0	0	068.5959	16
6	2	2	2	50	012.2217	16
6	2	2	7	51	001.1524	16
6	2	2	7	52	000.8433	16

FLOW 2

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5	2	1	7	39	000.3061	16
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5	2	1	3	41	001.2959	16
5	2	1	3	42	000.0216	16
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5	2	1	7	45	003.2775	16
5	2	1	7	46	001.5668	16
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5	2	1	1	48	007.4317	16
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5	2	2	7	50	000.1521	16
5	2	2	7	51	000.0816	16
5	2	2	8	52	012.6032	16
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5	2	2	1	54	007.1411	16
5	2	2	4	55	001.2422	16
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5	2	3	7	59	000.1226	16
5	2	3	7	60	000.0899	16
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5	2	3	3	63	000.9012	16
5	2	3	3	64	000.0779	16
5	2	3	7	65	014.3661	16
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5	2	3	9	68	000.4281	16
5	2	3	9	69	003.4625	16
5	2	3	9	70	000.2196	16
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5	2	4	7	71	004.0108	16
5	2	4	8	72	000.5561	16
5	2	4	3	73	000.3578	16
5	2	4	7	74	000.4096	16
5	2	4	1	75	000.3195	16
5	2	4	1	76	000.2291	16
5	2	4	9	77	058.6081	16
5	2	4	7	78	000.1101	16
5	2	4	7	79	000.0294	16
5	2	4	7	80	000.0172	16
5	2	4	7	81	000.0107	16
5	2	4	4	82	000.4953	16
5	2	4	7	83	000.0050	16
5	2	4	8	84	000.1996	16
5	2	4	7	85	001.8130	16
5	2	4	2	86	006.1082	16
5	2	4	7	87	000.3664	16
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FLOW 2

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7	2	0	8	18	000.0113	1
7	2	0	8	19	000.0123	1
7	2	0	8	20	000.0255	1
7	2	0	2	21	000.1441	1
7	2	0	9	22	002.0697	1
7	2	0	1	23	000.9016	1
7	2	0	7	24	000.1029	1
7	2	0	2	25	000.1493	1
7	2	0	9	26	000.3678	1
7	2	0	9	27	000.2247	1
7	2	1	0	0	224.1399	16
7	2	1	9	28	007.2609	16
7	2	1	7	29	000.4119	16
7	2	1	7	30	000.0258	16
7	2	1	7	31	000.0715	16
7	2	1	8	32	000.6820	16
7	2	1	7	33	000.0458	16
7	2	1	7	34	000.1939	16
7	2	1	5	35	001.2101	16
7	2	1	6	36	000.6283	16
7	2	1	7	37	001.0157	16
7	2	1	7	38	001.2130	16
7	2	1	8	39	000.4016	16
7	2	1	8	40	000.0674	16
7	2	1	8	41	009.3374	16
7	2	1	7	42	006.8414	16
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7	2	1	7	46	000.0335	16
7	2	1	8	47	002.1328	16
7	2	1	7	48	004.1287	16
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7	2	1	7	50	000.0688	16
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7	2	1	8	54	000.0500	16
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7	2	1	7	56	000.1411	16
7	2	1	7	57	007.4583	16
7	2	1	8	58	000.0450	16
7	2	1	8	59	000.2701	16
7	2	1	8	60	005.2677	16
7	2	1	8	61	004.2071	16
7	2	1	7	62	021.0292	16
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7	2	1	8	64	000.2956	16
7	2	1	3	65	000.6404	16
7	2	1	8	66	004.4233	16
7	2	1	7	67	002.2785	16
7	2	1	4	68	000.1894	16
7	2	1	9	69	082.7767	16
7	2	1	2	70	022.1059	16
7	2	1	1	71	029.9319	16
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FLOW 2

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6	2	2	7	55	000.0459	16
6	2	2	7	56	000.3377	16
6	2	2	3	57	003.1580	16
6	2	2	8	58	000.8158	16
6	2	2	7	59	004.9274	16
6	2	2	8	60	016.7240	16
6	2	2	7	61	000.0312	16
6	2	2	8	62	000.2648	16
6	2	2	7	63	000.8892	16
6	2	2	8	64	000.2095	16
6	2	2	4	65	000.1769	16
6	2	2	9	66	026.6500	16
6	2	3	0	0	091.8831	16
6	2	3	9	67	021.7713	16
6	2	3	8	68	000.1134	16
6	2	3	7	69	003.0580	16
6	2	3	7	70	000.2045	16
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6	2	3	7	73	000.0230	16
6	2	3	7	74	000.0095	16
6	2	3	2	75	002.4642	16
6	2	3	8	76	012.6884	16
6	2	3	7	77	000.5331	16
6	2	3	7	78	003.6611	16
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6	2	3	8	80	000.1685	16
6	2	3	7	81	002.4952	16
6	2	3	7	82	000.2907	16
6	2	3	8	83	007.2623	16
6	2	3	7	84	000.1723	16
6	2	3	7	85	000.3231	16
6	2	3	7	86	000.5359	16
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6	2	3	2	94	002.0827	16
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7	2	0	7	12	000.0130	1
7	2	0	2	13	000.7267	1
7	2	0	8	14	000.0355	1
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FLOW 2

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8	2	0	7	41	000.0937	1
8	2	0	8	42	000.0232	1
8	2	0	8	43	000.0578	1
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8	2	0	7	45	000.2875	1
8	2	0	1	46	002.4282	1
8	2	0	8	87	000.0610	1
8	2	0	8	88	000.8782	1
8	2	0	7	89	000.5598	1
8	2	0	1	90	000.6632	1
8	2	1	0	0	287.0123	16
8	2	1	8	47	001.5673	16
8	2	1	8	48	000.2801	16
8	2	1	8	49	000.0190	16
8	2	1	8	50	000.0278	16
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8	2	1	8	52	000.1199	16
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8	2	1	7	55	000.3393	16
8	2	1	7	56	000.4544	16
8	2	1	7	57	000.0265	16
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8	2	1	7	62	000.1409	16
8	2	1	7	63	000.1530	16
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8	2	1	8	67	000.7143	16
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8	2	1	8	76	002.4397	16
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8	2	1	7	80	004.9183	16
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9	2	0	7	1	000.0528	1
9	2	0	8	2	000.0119	1
9	2	0	7	3	000.2302	1
9	2	0	7	4	000.0191	1
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FLOW 2

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7	2	2	2	75	001.4529	16
7	2	2	7	76	000.1409	16
7	2	2	8	77	063.5981	16
7	2	2	7	78	015.1357	16
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7	2	2	3	80	008.8590	16
7	2	2	7	81	002.1969	16
7	2	2	8	82	001.0368	16
7	2	2	7	83	002.1124	16
7	2	2	7	84	000.6099	16
7	2	2	7	85	000.1186	16
7	2	2	9	86	013.7762	16
7	2	2	6	87	000.1144	16
7	2	2	9	88	001.9809	16
7	2	2	9	89	000.3117	16
7	2	2	7	90	000.5216	16
7	2	2	1	91	017.1515	16
7	2	2	7	92	000.5743	16
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8	2	0	7	2	000.0432	1
8	2	0	8	3	000.1633	1
8	2	0	7	4	000.0260	1
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8	2	0	8	6	000.2263	1
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8	2	0	7	8	000.0480	1
8	2	0	2	9	001.7092	1
8	2	0	1	10	000.3644	1
8	2	0	7	11	000.0263	1
8	2	0	7	12	000.0490	1
8	2	0	8	13	004.5680	1
8	2	0	7	14	000.0540	1
8	2	0	8	15	000.0541	1
8	2	0	7	16	000.1511	1
8	2	0	8	17	000.0297	1
8	2	0	7	18	000.0745	1
8	2	0	7	19	000.0087	1
8	2	0	7	20	000.0102	1
8	2	0	8	21	000.2841	1
8	2	0	7	22	000.2909	1
8	2	0	8	23	000.0209	1
8	2	0	8	24	000.0620	1
8	2	0	8	25	000.0088	1
8	2	0	7	26	001.1368	1
8	2	0	7	27	000.3414	1
8	2	0	8	28	000.0254	1
8	2	0	7	29	000.0623	1
8	2	0	7	30	000.0479	1
8	2	0	7	31	000.0090	1
8	2	0	7	32	000.2058	1
8	2	0	2	33	001.8630	1
8	2	0	7	34	000.1720	1
8	2	0	7	35	000.0220	1
8	2	0	7	36	000.0655	1
8	2	0	2	37	000.9970	1
8	2	0	2	38	000.0809	1

			FLOW 2			
9	2	2	9	63	009.2500	16
9	2	2	8	64	000.2110	16
9	2	2	8	65	000.0430	16
9	2	2	8	66	002.4611	16
9	2	2	3	67	000.6682	16
9	2	2	3	68	000.1175	16
9	2	2	8	69	015.1714	16
9	2	2	7	70	012.1492	16
9	2	2	7	71	007.5821	16
9	2	2	8	72	013.1358	16
9	2	2	8	73	014.7708	16
9	2	2	7	74	008.8840	16
9	2	2	8	75	000.1256	16
9	2	2	7	76	005.0843	16
9	2	2	7	77	000.1060	16
9	2	2	7	78	000.1600	16
9	2	2	7	79	001.3286	16
9	2	2	2	80	024.5622	16
9	2	2	8	81	002.4174	16
9	2	2	7	82	000.4424	16
9	2	2	3	83	001.9545	16
9	2	2	7	84	000.2968	16
9	2	2	1	85	003.2184	16
9	2	2	1	86	001.1216	16
10	2	0	0	0	028.5158	1
10	2	0	7	1	000.1519	1
10	2	0	7	2	000.0978	1
10	2	0	7	3	000.0306	1
10	2	0	7	4	000.1000	1
10	2	0	8	5	000.0135	1
10	2	0	7	6	000.0378	1
10	2	0	2	7	000.0644	1
10	2	0	8	8	000.2502	1
10	2	0	7	9	000.0231	1
10	2	0	7	10	000.0616	1
10	2	0	7	11	000.1293	1
10	2	0	1	12	004.0085	1
10	2	1	0	0	137.7601	16
10	2	1	7	13	000.5915	16
10	2	1	7	14	004.7011	16
10	2	1	1	15	017.3941	16
10	2	1	8	16	012.6741	16
10	2	1	7	17	000.0975	16
10	2	1	7	18	000.0663	16
10	2	1	7	19	000.9676	16
10	2	1	3	20	001.9204	16
10	2	1	7	21	000.1768	16
10	2	1	4	22	000.6825	16
10	2	1	7	23	005.1531	16
10	2	1	3	24	000.9760	16
10	2	1	7	25	000.4613	16
10	2	1	7	26	000.0506	16
10	2	1	7	27	004.5454	16
10	2	1	8	28	001.1692	16
10	2	1	9	29	085.6430	16
10	2	2	0	0	246.5015	16
10	2	2	7	30	001.2246	16
10	2	2	8	31	001.1836	16
10	2	2	8	32	001.4180	16

			FLOW 2			
9	2	0	8	6	000.4842	1
9	2	0	8	7	000.0281	1
9	2	0	7	8	001.5401	1
9	2	0	2	9	000.9976	1
9	2	0	7	10	000.0427	1
9	2	0	7	11	000.0418	1
9	2	0	8	12	000.0486	1
9	2	0	7	13	000.0423	1
9	2	0	7	14	000.1549	1
9	2	0	8	15	000.0110	1
9	2	0	8	16	000.0063	1
9	2	0	1	17	001.9307	1
9	2	0	7	18	000.0906	1
9	2	0	7	19	000.2160	1
9	2	0	7	20	000.1616	1
9	2	0	7	21	000.0654	1
9	2	0	1	22	003.1623	1
9	2	0	2	23	000.3226	1
9	2	0	7	24	000.0525	1
9	2	1	0	0	274.5156	16
9	2	1	7	25	002.2182	16
9	2	1	8	26	011.2369	16
9	2	1	7	27	001.4082	16
9	2	1	7	28	000.0107	16
9	2	1	7	29	000.0306	16
9	2	1	7	30	000.0666	16
9	2	1	7	31	000.0233	16
9	2	1	2	32	009.8435	16
9	2	1	8	33	005.0077	16
9	2	1	8	34	005.0361	16
9	2	1	7	35	006.7667	16
9	2	1	8	36	048.1441	16
9	2	1	7	37	001.7979	16
9	2	1	7	38	000.0310	16
9	2	1	8	39	000.5986	16
9	2	1	7	40	000.4975	16
9	2	1	7	41	000.6527	16
9	2	1	7	42	000.4845	16
9	2	1	7	43	000.5858	16
9	2	1	3	44	008.8363	16
9	2	1	8	45	000.8664	16
9	2	1	7	46	003.0642	16
9	2	1	8	47	100.9828	16
9	2	1	7	48	000.0950	16
9	2	1	3	49	001.0820	16
9	2	1	7	50	015.8621	16
9	2	1	3	51	000.2450	16
9	2	1	9	52	021.4056	16
9	2	1	1	53	023.9148	16
9	2	1	8	54	004.0992	16
9	2	2	0	0	131.5489	16
9	2	2	7	55	002.2520	16
9	2	2	9	56	002.3106	16
9	2	2	7	57	000.0044	16
9	2	2	7	58	000.0135	16
9	2	2	7	59	000.0137	16
9	2	2	5	60	000.1717	16
9	2	2	4	61	000.1656	16
9	2	2	7	62	001.6360	16

FLOW 2

11	2	1	6	29	000.0356	16
11	2	1	9	30	011.5967	16
11	2	1	9	31	000.8335	16
11	2	1	7	32	000.3013	16
11	2	1	2	33	003.8356	16
11	2	1	7	34	002.2321	16
11	2	1	7	35	000.2011	16
11	2	1	8	36	000.4429	16
11	2	1	8	37	000.3653	16
11	2	1	8	38	003.5704	16
11	2	1	7	39	014.1249	16
11	2	1	9	40	018.1722	16
11	2	1	1	41	022.6949	16
11	2	1	7	42	000.0562	16
11	2	1	7	43	000.6275	16
11	2	2	0	0	138.4344	16
11	2	2	7	44	001.2482	16
11	2	2	9	45	003.3602	16
11	2	2	5	46	000.1535	16
11	2	2	6	47	000.0607	16
11	2	2	9	48	007.5445	16
11	2	2	7	49	000.3038	16
11	2	2	6	50	000.0868	16
11	2	2	9	51	000.8767	16
11	2	2	9	52	000.8323	16
11	2	2	8	53	020.0519	16
11	2	2	7	54	000.5123	16
11	2	2	7	55	000.5679	16
11	2	2	7	56	000.1940	16
11	2	2	7	57	000.8071	16
11	2	2	8	58	031.4331	16
11	2	2	7	59	000.2216	16
11	2	2	3	60	001.4900	16
11	2	2	8	61	006.0929	16
11	2	2	7	62	000.4372	16
11	2	2	7	63	005.7493	16
11	2	2	7	64	001.9806	16
11	2	2	8	65	002.8200	16
11	2	2	8	66	001.3721	16
11	2	2	7	67	000.0767	16
11	2	2	7	68	000.0214	16
11	2	2	7	69	000.5047	16
11	2	2	7	70	000.2337	16
11	2	2	3	71	000.7880	16
11	2	2	7	72	000.3435	16
11	2	2	8	73	003.1440	16
11	2	2	3	74	000.6071	16
11	2	2	7	75	000.0527	16
11	2	2	2	76	022.6309	16
11	2	2	1	77	020.6179	16
11	2	2	9	78	000.4148	16
12	2	0	0	0	021.8035	1
12	2	0	7	1	000.0475	1
12	2	0	8	2	000.1005	1
12	2	0	7	3	000.1873	1
12	2	0	7	4	000.2100	1
12	2	0	7	5	000.1195	1
12	2	0	7	6	000.2425	1
12	2	0	2	7	000.4118	1

FLOW 2

Plate	Flow	Enlargement	Type	ID	Total	Factor
10	2	2	8	33	001.8024	16
10	2	2	8	34	001.4367	16
10	2	2	8	35	003.5786	16
10	2	2	8	36	031.3231	16
10	2	2	7	37	032.5442	16
10	2	2	7	38	005.4597	16
10	2	2	7	39	000.0868	16
10	2	2	7	40	000.8634	16
10	2	2	3	41	000.5611	16
10	2	2	7	42	000.4119	16
10	2	2	4	43	000.4982	16
10	2	2	7	44	001.3070	16
10	2	2	3	45	004.0369	16
10	2	2	8	46	018.2025	16
10	2	2	7	47	002.7382	16
10	2	2	8	48	014.7346	16
10	2	2	9	49	070.9452	16
10	2	2	7	50	000.0947	16
10	2	2	1	51	027.3123	16
10	2	2	2	52	023.3983	16
10	2	2	7	53	000.0510	16

Plate	Flow	Enlargement	Type	ID	Total	Factor
11	2	0	0	0	034.3280	1
11	2	0	7	1	000.0050	1
11	2	0	8	2	000.3641	1
11	2	0	7	3	000.4998	1
11	2	0	7	4	000.0523	1
11	2	0	8	5	000.2754	1
11	2	0	7	6	000.2568	1
11	2	0	2	7	000.3153	1
11	2	0	1	8	000.4289	1
11	2	0	8	9	000.2276	1
11	2	0	2	10	000.2637	1
11	2	0	9	11	000.0496	1
11	2	0	7	12	000.1667	1
11	2	0	8	13	000.7606	1
11	2	0	7	14	000.0998	1
11	2	0	2	15	000.4156	1
11	2	0	1	16	001.6666	1
11	2	0	1	17	000.0208	1
11	2	0	7	18	000.0667	1
11	2	0	1	19	000.0773	1
11	2	0	7	20	000.3336	1
11	2	0	7	21	000.0061	1
11	2	0	2	22	000.7270	1
11	2	0	9	23	001.6247	1
11	2	0	1	24	002.7736	1
11	2	0	9	79	009.0741	1
11	2	1	0	0	082.0182	16
11	2	1	2	25	000.2359	16
11	2	1	5	26	000.0420	16
11	2	1	7	27	002.4006	16
11	2	1	5	28	000.3370	16

FLOW 2

13	2	0	7	13	000.0872	1
13	2	0	7	14	000.0603	1
13	2	0	2	15	000.8803	1
13	2	0	1	16	002.2154	1
13	2	0	7	17	000.0765	1
13	2	0	1	18	001.7591	1
13	2	0	9	19	001.1718	1
13	2	0	2	20	000.3676	1
13	2	0	8	21	000.2565	1
13	2	1	0	0	080.8637	16
13	2	1	7	22	002.0424	16
13	2	1	2	23	013.2750	16
13	2	1	7	24	000.3294	16
13	2	1	7	25	000.5265	16
13	2	1	7	26	004.2261	16
13	2	1	8	27	013.4386	16
13	2	1	7	28	008.1147	16
13	2	1	3	29	000.6621	16
13	2	1	7	30	005.6186	16
13	2	1	7	31	002.6412	16
13	2	1	8	32	016.5971	16
13	2	1	9	33	004.9002	16
13	2	1	1	34	005.9737	16
13	2	1	3	35	002.0503	16
13	2	2	0	0	067.6917	16
13	2	2	7	36	000.6048	16
13	2	2	7	37	000.0895	16
13	2	2	7	38	000.0172	16
13	2	2	7	39	000.0336	16
13	2	2	7	40	000.0082	16
13	2	2	7	41	000.7132	16
13	2	2	8	42	006.8248	16
13	2	2	8	43	011.2260	16
13	2	2	7	44	015.9874	16
13	2	2	7	45	000.0428	16
13	2	2	7	46	002.3286	16
13	2	2	7	47	007.3396	16
13	2	2	7	48	000.3015	16
13	2	2	2	49	016.9360	16
13	2	2	1	50	004.2733	16
13	2	2	9	51	000.0643	16
13	2	3	0	0	038.8236	16
13	2	3	7	52	000.1216	16
13	2	3	7	53	000.3026	16
13	2	3	4	54	000.4305	16
13	2	3	5	55	002.0310	16
13	2	3	6	56	000.1157	16
13	2	3	7	57	001.5606	16
13	2	3	1	58	011.1258	16
13	2	3	9	59	015.6993	16
13	2	3	9	60	003.8659	16
13	2	3	9	61	003.4814	16
14	2	0	0	0	030.0336	1
14	2	0	9	1	001.0160	1
14	2	0	7	2	000.0135	1
14	2	0	1	3	000.5894	1
14	2	0	8	4	000.1613	1
14	2	0	7	5	000.0806	1
14	2	0	1	6	000.9904	1

FLOW 2

12	2	0	7	8	000.0419	1
12	2	0	1	9	000.4769	1
12	2	0	9	10	001.0573	1
12	2	0	7	11	000.0554	1
12	2	0	1	12	000.6666	1
12	2	0	7	13	000.0733	1
12	2	0	2	14	000.1152	1
12	2	0	7	15	000.0119	1
12	2	0	4	16	000.0155	1
12	2	0	9	17	000.6134	1
12	2	0	9	18	002.3776	1
12	2	0	1	19	003.5205	1
12	2	0	1	20	000.3116	1
12	2	0	1	21	000.0238	1
12	2	1	0	0	172.8710	16
12	2	1	3	22	001.2004	16
12	2	1	3	23	000.6163	16
12	2	1	8	24	000.6958	16
12	2	1	8	25	009.0158	16
12	2	1	8	26	000.7973	16
12	2	1	8	27	000.1021	16
12	2	1	8	28	013.7384	16
12	2	1	8	29	003.2817	16
12	2	1	7	30	042.0929	16
12	2	1	1	31	006.8090	16
12	2	1	7	32	000.1322	16
12	2	1	9	33	015.3970	16
12	2	1	7	34	000.0628	16
12	2	1	7	35	001.6863	16
12	2	1	8	36	000.2456	16
12	2	1	7	37	005.9190	16
12	2	1	7	38	000.0279	16
12	2	1	7	39	000.0676	16
12	2	1	2	40	006.4535	16
12	2	1	7	41	000.6295	16
12	2	1	7	42	000.2132	16
12	2	1	7	43	000.8652	16
12	2	1	3	44	000.8267	16
12	2	1	3	45	000.4341	16
12	2	1	8	46	004.8435	16
12	2	1	8	47	003.4468	16
12	2	1	3	48	000.1057	16
12	2	1	7	49	004.0849	16
12	2	1	7	50	001.9930	16
12	2	1	1	51	047.3290	16
12	2	1	9	52	000.2649	16
13	2	0	0	0	021.1050	1
13	2	0	8	1	000.0330	1
13	2	0	7	2	000.0909	1
13	2	0	2	3	000.3586	1
13	2	0	7	4	000.0534	1
13	2	0	1	5	001.3894	1
13	2	0	7	6	000.0798	1
13	2	0	7	7	000.0301	1
13	2	0	8	8	000.1262	1
13	2	0	7	9	000.2656	1
13	2	0	7	10	000.0296	1
13	2	0	7	11	000.0124	1
13	2	0	7	12	000.0047	1

		FLOW 2				
15	2	0	7	12	000.5986	1
15	2	0	7	13	000.0291	1
15	2	0	2	14	000.1593	1
15	2	0	8	15	000.6195	1
15	2	0	8	16	000.5716	1
15	2	0	2	17	001.0922	1
15	2	0	1	18	007.4058	1
15	2	0	9	19	006.8178	1
15	2	0	7	20	000.1130	1
15	2	1	0	0	009.7736	16
15	2	1	7	21	000.0285	16
15	2	1	7	22	000.1698	16
15	2	1	4	23	000.2932	16
15	2	1	1	24	000.6637	16
15	2	1	9	25	008.6210	16
15	2	2	0	0	016.7487	16
15	2	2	7	26	000.2843	16
15	2	2	4	27	000.2855	16
15	2	2	7	28	000.3022	16
15	2	2	1	29	002.9090	16
15	2	2	9	30	012.9460	16
16	2	0	0	0	025.8958	1
16	2	0	7	1	000.1039	1
16	2	0	7	2	000.2278	1
16	2	0	8	3	001.5647	1
16	2	0	7	4	000.0435	1
16	2	0	4	5	000.0630	1
16	2	0	7	6	000.0885	1
16	2	0	7	7	000.1742	1
16	2	0	8	8	000.0363	1
16	2	0	7	9	000.2665	1
16	2	0	2	10	000.4132	1
16	2	0	8	11	000.0224	1
16	2	0	7	12	000.0739	1
16	2	0	7	13	000.0770	1
16	2	0	2	14	000.1676	1
16	2	0	2	15	000.2753	1
16	2	0	7	16	000.0662	1
16	2	0	7	17	000.6916	1
16	2	0	7	18	000.0425	1
16	2	0	7	19	000.0283	1
16	2	0	9	20	011.2006	1
16	2	0	9	21	000.4805	1
16	2	0	1	29	008.9186	1
16	2	1	0	0	013.4717	16
16	2	1	1	22	003.4733	16
16	2	1	5	23	000.6098	16
16	2	1	7	24	001.0277	16
16	2	1	7	25	000.0564	16
16	2	1	6	26	000.0804	16
16	2	1	9	27	000.3794	16
16	2	1	9	28	007.8747	16
17	2	0	0	0	011.1839	1
17	2	0	7	1	000.3981	1
17	2	0	2	2	000.3937	1
17	2	0	8	3	000.1008	1
17	2	0	7	4	000.4158	1
17	2	0	7	5	000.5368	1
17	2	0	7	6	000.4357	1

		FLOW 2				
14	2	0	7	7	000.0153	1
14	2	0	7	8	000.0426	1
14	2	0	7	9	000.4438	1
14	2	0	8	10	000.4233	1
14	2	0	7	11	000.4183	1
14	2	0	8	12	000.3399	1
14	2	0	8	13	000.4612	1
14	2	0	7	14	000.3172	1
14	2	0	7	15	000.0062	1
14	2	0	7	16	000.0212	1
14	2	0	7	17	000.0628	1
14	2	0	7	18	000.0616	1
14	2	0	8	19	000.2077	1
14	2	0	7	20	000.4902	1
14	2	0	2	21	002.8342	1
14	2	0	7	22	000.0316	1
14	2	0	7	23	000.0056	1
14	2	0	7	24	000.0201	1
14	2	0	7	25	000.0154	1
14	2	0	7	26	000.0410	1
14	2	0	7	27	000.0044	1
14	2	0	8	28	000.2567	1
14	2	0	8	29	001.7665	1
14	2	0	7	30	000.0262	1
14	2	0	7	31	000.4398	1
14	2	0	7	32	000.0269	1
14	2	0	2	33	001.8805	1
14	2	0	1	34	004.2193	1
14	2	0	9	35	006.2287	1
14	2	1	0	0	010.5652	16
14	2	1	4	36	001.9735	16
14	2	1	2	37	000.2157	16
14	2	1	9	38	008.3265	16
14	2	2	0	0	080.0446	16
14	2	2	1	39	004.9343	16
14	2	2	7	40	000.6080	16
14	2	2	7	41	001.2813	16
14	2	2	7	42	001.1901	16
14	2	2	7	43	000.3902	16
14	2	2	7	44	000.0340	16
14	2	2	7	45	000.1856	16
14	2	2	7	46	000.2008	16
14	2	2	7	47	000.5064	16
14	2	2	8	48	029.5588	16
14	2	2	3	49	004.5861	16
14	2	2	9	50	032.6444	16
14	2	2	1	51	003.7644	16
15	2	0	0	0	020.7850	1
15	2	0	9	1	000.4290	1
15	2	0	7	2	000.0343	1
15	2	0	2	3	000.0696	1
15	2	0	7	4	000.0147	1
15	2	0	7	5	000.0856	1
15	2	0	7	6	000.1573	1
15	2	0	7	7	000.0063	1
15	2	0	7	8	000.0991	1
15	2	0	8	9	000.0951	1
15	2	0	7	10	000.1915	1
15	2	0	2	11	000.5673	1

FLOW 2

18	2	1	4	50	001.4363	16
18	2	1	7	51	003.6380	16
18	2	1	8	52	006.3719	16
18	2	1	7	53	000.2654	16
18	2	1	9	54	004.1151	16
18	2	1	7	55	000.9151	16
18	2	1	7	56	000.2352	16
18	2	1	8	57	004.7614	16
18	2	1	2	58	016.4596	16
18	2	1	7	59	000.0744	16
18	2	1	8	60	000.4201	16
18	2	1	7	61	001.1719	16
18	2	1	9	62	044.5697	16
18	2	1	7	63	000.1010	16
18	2	2	0	0	089.2481	16
18	2	2	7	64	000.0607	16
18	2	2	8	65	000.9727	16
18	2	2	7	66	007.2877	16
18	2	2	7	67	000.4163	16
18	2	2	7	68	000.0606	16
18	2	2	7	69	008.5719	16
18	2	2	8	70	005.5160	16
18	2	2	7	71	004.8551	16
18	2	2	3	72	002.0384	16
18	2	2	7	73	005.4742	16
18	2	2	7	74	000.2023	16
18	2	2	2	75	017.6140	16
18	2	2	1	76	010.6218	16
18	2	2	9	77	019.8433	16
18	2	2	8	78	006.0506	16

FLOW 2

17	2	0	7	7	000.0350	1
17	2	0	7	8	000.0508	1
17	2	0	7	9	000.2111	1
17	2	0	8	10	000.1521	1
17	2	0	7	11	000.3515	1
17	2	0	8	12	000.2406	1
17	2	0	2	13	000.5623	1
17	2	0	1	14	007.1361	1
18	2	0	0	0	025.1399	1
18	2	0	7	1	000.0207	1
18	2	0	7	2	000.3638	1
18	2	0	7	3	000.0239	1
18	2	0	7	4	000.5543	1
18	2	0	7	5	000.2085	1
18	2	0	8	6	000.2908	1
18	2	0	8	7	000.0246	1
18	2	0	7	8	000.6089	1
18	2	0	7	9	000.1093	1
18	2	0	8	10	000.1868	1
18	2	0	7	11	000.1032	1
18	2	0	7	12	000.0418	1
18	2	0	8	13	000.5168	1
18	2	0	7	14	000.2133	1
18	2	0	2	15	001.0935	1
18	2	0	2	16	000.2204	1
18	2	0	1	17	001.8572	1
18	2	0	2	18	000.1255	1
18	2	0	7	19	000.0165	1
18	2	0	8	20	000.1661	1
18	2	0	7	21	000.0358	1
18	2	0	2	22	000.5021	1
18	2	0	7	23	000.2333	1
18	2	0	8	24	000.4083	1
18	2	0	7	25	000.0271	1
18	2	0	8	26	000.2673	1
18	2	0	7	27	000.2502	1
18	2	0	1	28	001.0494	1
18	2	0	8	29	000.0596	1
18	2	0	7	30	000.0563	1
18	2	0	8	31	000.0468	1
18	2	0	7	32	000.0851	1
18	2	0	7	33	000.0921	1
18	2	0	1	34	001.6349	1
18	2	0	2	35	000.0749	1
18	2	0	2	36	000.0798	1
18	2	0	2	37	000.2960	1
18	2	1	0	0	114.3736	16
18	2	1	7	38	000.1110	16
18	2	1	7	39	000.0992	16
18	2	1	7	40	000.2760	16
18	2	1	7	41	000.1664	16
18	2	1	7	42	000.3490	16
18	2	1	7	43	000.4373	16
18	2	1	3	44	002.7819	16
18	2	1	8	45	018.1469	16
18	2	1	6	46	000.8319	16
18	2	1	9	47	003.5468	16
18	2	1	7	48	002.5329	16
18	2	1	3	49	000.9327	16

FLOW 3

3	3	0	7	13	000.0290	1
3	3	0	8	14	000.3650	1
3	3	0	7	15	000.4417	1
3	3	0	2	16	000.4019	1
3	3	0	1	17	005.6883	1
3	3	0	9	18	001.2349	1
3	3	1	0	0	107.8601	16
3	3	1	7	19	000.0266	16
3	3	1	7	20	005.2212	16
3	3	1	7	21	000.6672	16
3	3	1	8	22	009.9189	16
3	3	1	8	23	003.5038	16
3	3	1	8	24	003.3604	16
3	3	1	8	25	002.8452	16
3	3	1	7	26	006.1651	16
3	3	1	7	27	012.2378	16
3	3	1	7	28	011.3749	16
3	3	1	8	29	012.9172	16
3	3	1	8	30	004.5641	16
3	3	1	2	31	021.5072	16
3	3	1	7	32	000.3144	16
3	3	1	7	33	000.5153	16
3	3	1	5	34	000.2450	16
3	3	1	7	35	000.0830	16
3	3	1	8	36	000.4967	16
3	3	1	1	37	014.0616	16
4	3	0	0	0	039.1701	1
4	3	0	7	1	000.0795	1
4	3	0	9	2	005.3410	1
4	3	0	7	3	000.0243	1
4	3	0	7	4	000.0200	1
4	3	0	7	5	000.0056	1
4	3	0	7	6	000.0605	1
4	3	0	7	7	000.0464	1
4	3	0	7	8	000.0156	1
4	3	0	2	9	001.0760	1
4	3	0	7	10	000.1738	1
4	3	0	7	11	000.1167	1
4	3	0	8	12	000.0712	1
4	3	0	7	13	000.0780	1
4	3	0	7	14	000.1172	1
4	3	0	7	15	000.0077	1
4	3	0	8	16	000.1438	1
4	3	0	2	17	001.1086	1
4	3	0	8	18	000.8852	1
4	3	0	7	19	000.0271	1
4	3	0	7	20	000.2193	1
4	3	0	7	21	000.1390	1
4	3	0	2	22	000.6031	1
4	3	0	8	23	000.0633	1
4	3	0	7	24	000.0904	1
4	3	0	7	25	000.1068	1
4	3	0	7	26	000.1085	1
4	3	0	7	27	000.0495	1
4	3	0	8	28	000.0643	1
4	3	0	9	29	001.1325	1
4	3	0	1	30	006.5808	1
4	3	0	7	31	000.0119	1
4	3	0	9	32	013.3612	1

FLOW 3

Plate	Flow	Enlargement	Type	ID	Total	Factor
1	3	0	0	0	007.7600	1
1	3	0	7	1	000.1153	1
1	3	0	7	2	000.0915	1
1	3	0	7	3	000.0991	1
1	3	0	8	4	000.5333	1
1	3	0	7	5	000.0754	1
1	3	0	7	6	000.0311	1
1	3	0	7	7	000.0814	1
1	3	0	1	8	005.0214	1
1	3	0	1	9	000.6436	1
1	3	1	0	0	017.1579	16
1	3	1	7	10	000.7797	16
1	3	1	7	11	000.1435	16
1	3	1	7	12	000.0802	16
1	3	1	5	13	002.2673	16
1	3	1	1	14	013.7253	16
2	3	0	0	0	015.2144	1
2	3	0	7	1	000.0391	1
2	3	0	7	2	000.2006	1
2	3	0	8	3	000.0375	1
2	3	0	7	4	000.1250	1
2	3	0	7	5	000.0214	1
2	3	0	8	6	001.7876	1
2	3	0	2	7	001.5324	1
2	3	0	3	8	000.0846	1
2	3	0	7	9	000.4002	1
2	3	0	7	10	000.2170	1
2	3	0	1	11	004.1271	1
2	3	0	7	12	000.0494	1
2	3	0	7	13	000.0298	1
2	3	0	1	14	001.4635	1
2	3	0	7	15	000.0112	1
2	3	0	8	16	001.0997	1
2	3	1	0	0	059.4899	16
2	3	1	7	20	001.4741	16
2	3	1	8	21	016.9067	16
2	3	1	7	22	012.3510	16
2	3	1	8	23	001.6638	16
2	3	1	1	24	027.0943	16
2	3	2	0	0	005.6569	16
2	3	2	7	17	000.9933	16
2	3	2	5	18	001.0598	16
2	3	2	1	19	003.6038	16
3	3	0	0	0	018.1971	1
3	3	0	7	1	000.2376	1
3	3	0	7	2	000.0174	1
3	3	0	7	3	000.0174	1
3	3	0	7	4	000.0228	1
3	3	0	2	5	001.2811	1
3	3	0	7	6	000.0667	1
3	3	0	7	7	000.0350	1
3	3	0	7	8	000.0711	1
3	3	0	7	9	000.4959	1
3	3	0	8	10	000.0580	1
3	3	0	7	11	000.1680	1
3	3	0	7	12	000.1024	1

		FLOW	3			
5	3	0	7	24	000.0368	1
5	3	0	7	25	000.1215	1
5	3	0	8	26	000.5636	1
5	3	0	7	27	000.3165	1
5	3	0	7	28	000.4007	1
5	3	0	7	29	000.0147	1
5	3	0	9	30	006.5194	1
5	3	0	9	31	006.0011	1
5	3	0	1	32	003.3873	1
5	3	0	1	33	003.0963	1
5	3	0	4	74	000.0934	1
5	3	1	0	0	059.2798	16
5	3	1	8	34	000.4313	16
5	3	1	3	35	002.0050	16
5	3	1	7	36	004.1639	16
5	3	1	5	37	006.1205	16
5	3	1	8	38	010.0082	16
5	3	1	9	39	021.6778	16
5	3	1	1	40	010.4872	16
5	3	1	7	41	004.8286	16
5	3	2	0	0	027.0717	16
5	3	2	9	42	008.5726	16
5	3	2	4	43	001.2536	16
5	3	2	7	44	000.1856	16
5	3	2	7	45	000.8010	16
5	3	2	5	46	000.5592	16
5	3	2	1	47	002.9956	16
5	3	2	8	48	012.6243	16
5	3	3	0	0	167.1310	16
5	3	3	2	49	000.9665	16
5	3	3	7	50	000.0340	16
5	3	3	4	51	000.6014	16
5	3	3	7	52	001.2675	16
5	3	3	9	53	072.6936	16
5	3	3	3	54	002.6099	16
5	3	3	7	55	001.8942	16
5	3	3	7	56	000.2741	16
5	3	3	7	57	007.1036	16
5	3	3	7	58	000.1761	16
5	3	3	7	59	000.1459	16
5	3	3	9	60	042.7349	16
5	3	3	5	61	000.2813	16
5	3	3	9	62	000.8952	16
5	3	3	7	63	008.2641	16
5	3	3	8	64	004.2582	16
5	3	3	8	65	000.8042	16
5	3	3	2	66	002.7471	16
5	3	3	1	67	000.2381	16
5	3	3	1	68	000.2722	16
5	3	3	7	69	003.3544	16
5	3	3	3	70	000.5614	16
5	3	3	8	71	000.6875	16
5	3	3	7	72	000.1149	16
5	3	3	1	73	013.0861	16
6	3	0	0	0	036.6748	1
6	3	0	7	1	000.0245	1
6	3	0	7	2	000.1101	1
6	3	0	7	3	000.0093	1
6	3	0	7	4	000.0041	1

		FLOW	3			
4	3	1	0	0	072.3418	16
4	3	1	7	33	001.2570	16
4	3	1	7	34	000.0674	16
4	3	1	7	35	000.6983	16
4	3	1	9	36	035.3377	16
4	3	1	8	37	012.4095	16
4	3	1	7	38	001.0213	16
4	3	1	2	39	018.2579	16
4	3	1	7	40	000.7915	16
4	3	1	3	41	002.1706	16
4	3	2	0	0	025.5753	16
4	3	2	7	42	000.0740	16
4	3	2	7	43	000.0473	16
4	3	2	4	44	000.7420	16
4	3	2	9	45	020.9174	16
4	3	2	4	46	000.0608	16
4	3	2	7	47	000.2518	16
4	3	2	7	48	000.0133	16
4	3	2	1	49	003.4899	16
4	3	3	0	0	023.2313	16
4	3	3	7	50	000.4046	16
4	3	3	9	51	003.4203	16
4	3	3	5	52	003.5449	16
4	3	3	7	53	000.4789	16
4	3	3	7	54	000.1205	16
4	3	3	8	55	000.1138	16
4	3	3	8	56	003.5714	16
4	3	3	7	57	000.5087	16
4	3	3	7	58	000.0849	16
4	3	3	7	59	000.8940	16
4	3	3	7	60	000.5282	16
4	3	3	7	61	000.1313	16
4	3	3	7	62	000.2368	16
4	3	3	9	63	002.9963	16
4	3	3	1	64	007.4181	16
5	3	0	0	0	040.2656	1
5	3	0	3	1	000.0179	1
5	3	0	7	2	000.0803	1
5	3	0	8	3	000.1083	1
5	3	0	7	4	000.1214	1
5	3	0	7	5	000.1159	1
5	3	0	8	6	000.0749	1
5	3	0	8	7	000.6504	1
5	3	0	7	8	000.6717	1
5	3	0	8	9	000.1068	1
5	3	0	2	10	000.8319	1
5	3	0	8	11	000.0224	1
5	3	0	7	12	000.0837	1
5	3	0	8	13	000.0396	1
5	3	0	7	14	000.0498	1
5	3	0	2	15	000.3838	1
5	3	0	7	16	000.1471	1
5	3	0	2	17	000.0725	1
5	3	0	8	18	000.0791	1
5	3	0	8	19	000.0142	1
5	3	0	7	20	000.1394	1
5	3	0	7	21	000.0792	1
5	3	0	7	22	000.0627	1
5	3	0	2	23	000.5643	1

		FLOW 3				
6	3	3	7	61	002.1073	16
6	3	3	7	62	000.5682	16
6	3	3	7	63	000.8104	16
6	3	3	8	64	016.2903	16
6	3	3	8	65	003.8301	16
6	3	3	7	66	000.1826	16
6	3	3	7	67	000.2484	16
6	3	3	7	68	000.1509	16
6	3	3	7	69	000.0244	16
6	3	3	7	70	000.9197	16
6	3	3	8	71	013.0582	16
6	3	3	7	72	000.9760	16
6	3	3	7	73	000.1312	16
6	3	3	7	74	000.0382	16
6	3	3	1	75	007.4502	16
7	3	0	0	0	033.7960	1
7	3	0	7	1	000.0776	1
7	3	0	7	2	000.1887	1
7	3	0	7	3	000.0054	1
7	3	0	7	4	000.4749	1
7	3	0	8	5	000.0550	1
7	3	0	8	6	000.0119	1
7	3	0	8	7	000.0332	1
7	3	0	7	8	000.0544	1
7	3	0	2	9	002.0576	1
7	3	0	7	10	000.0639	1
7	3	0	8	11	004.1165	1
7	3	0	7	12	000.2892	1
7	3	0	7	13	000.1082	1
7	3	0	7	14	000.0977	1
7	3	0	7	15	000.3953	1
7	3	0	7	16	000.0677	1
7	3	0	8	17	000.0809	1
7	3	0	7	18	000.0424	1
7	3	0	2	19	000.1826	1
7	3	0	8	20	000.2662	1
7	3	0	7	21	000.5244	1
7	3	0	8	22	000.0433	1
7	3	0	7	23	000.1294	1
7	3	0	9	24	003.5656	1
7	3	0	9	25	004.2892	1
7	3	0	7	26	000.0304	1
7	3	0	7	27	000.2032	1
7	3	0	8	28	000.5690	1
7	3	0	8	29	000.0239	1
7	3	0	7	30	000.1354	1
7	3	0	7	31	000.0285	1
7	3	0	7	32	000.4071	1
7	3	0	7	33	000.2850	1
7	3	0	7	34	000.0569	1
7	3	0	7	35	000.0059	1
7	3	0	2	36	000.1783	1
7	3	0	7	37	000.0132	1
7	3	0	8	38	000.3767	1
7	3	0	7	39	000.6653	1
7	3	0	8	40	000.0140	1
7	3	0	8	41	000.1364	1
7	3	0	7	42	000.1223	1
7	3	0	8	43	000.3309	1

		FLOW 3				
6	3	0	7	5	000.0644	1
6	3	0	7	6	000.2164	1
6	3	0	7	7	000.1716	1
6	3	0	7	8	000.1052	1
6	3	0	8	9	000.0745	1
6	3	0	8	10	001.3609	1
6	3	0	2	11	001.3588	1
6	3	0	7	12	000.0506	1
6	3	0	7	13	000.6215	1
6	3	0	8	14	000.7341	1
6	3	0	7	15	000.1257	1
6	3	0	2	16	000.3369	1
6	3	0	7	17	000.1537	1
6	3	0	7	18	000.0313	1
6	3	0	1	19	003.4523	1
6	3	0	7	20	001.4344	1
6	3	0	7	21	000.0391	1
6	3	0	8	22	000.1427	1
6	3	0	7	23	000.2938	1
6	3	0	8	24	000.4609	1
6	3	0	2	25	000.0362	1
6	3	0	8	26	000.3674	1
6	3	0	2	27	000.0351	1
6	3	0	8	28	000.2066	1
6	3	0	2	29	001.2995	1
6	3	0	7	30	000.0535	1
6	3	0	7	31	000.1018	1
6	3	0	1	32	002.5749	1
6	3	0	7	33	000.0432	1
6	3	0	9	34	005.4702	1
6	3	0	9	35	003.0508	1
6	3	1	0	0	058.9537	16
6	3	1	9	36	003.5611	16
6	3	1	4	37	000.8722	16
6	3	1	9	38	022.5888	16
6	3	1	7	39	000.9120	16
6	3	1	3	40	001.3901	16
6	3	1	7	41	016.8620	16
6	3	1	2	42	002.0685	16
6	3	1	8	43	000.5073	16
6	3	1	1	44	009.8802	16
6	3	2	0	0	062.0448	16
6	3	2	2	45	006.9370	16
6	3	2	7	46	002.3143	16
6	3	2	3	47	003.8534	16
6	3	2	8	48	002.3514	16
6	3	2	8	49	017.1956	16
6	3	2	9	50	017.4782	16
6	3	2	7	51	000.1905	16
6	3	2	7	52	000.2181	16
6	3	2	7	53	002.0626	16
6	3	2	8	54	000.2492	16
6	3	2	8	55	000.2637	16
6	3	2	7	56	000.1412	16
6	3	2	8	57	003.0716	16
6	3	2	1	58	005.6700	16
6	3	3	0	0	082.4223	16
6	3	3	9	59	028.0581	16
6	3	3	2	60	007.4543	16

FLOW 3

8	3	0	7	37	000.0205	1
8	3	0	7	38	000.0305	1
8	3	0	1	39	002.1847	1
8	3	0	8	40	000.0310	1
8	3	0	8	41	000.0419	1
8	3	0	7	42	000.1047	1
8	3	1	0	0	266.8541	16
8	3	1	8	43	001.6464	16
8	3	1	8	44	000.2795	16
8	3	1	8	45	000.1333	16
8	3	1	8	46	000.1910	16
8	3	1	7	47	003.8491	16
8	3	1	7	48	000.2435	16
8	3	1	7	49	000.1202	16
8	3	1	7	50	000.2006	16
8	3	1	7	51	000.1702	16
8	3	1	7	52	000.9598	16
8	3	1	2	53	019.5352	16
8	3	1	8	54	003.8234	16
8	3	1	7	55	003.4373	16
8	3	1	8	56	003.9042	16
8	3	1	7	57	004.2776	16
8	3	1	7	58	001.4363	16
8	3	1	7	59	002.0116	16
8	3	1	7	60	001.1751	16
8	3	1	7	61	003.7219	16
8	3	1	8	62	001.8967	16
8	3	1	7	63	000.0451	16
8	3	1	7	64	001.5504	16
8	3	1	7	65	000.0182	16
8	3	1	7	66	001.8914	16
8	3	1	7	67	000.3504	16
8	3	1	7	68	000.0377	16
8	3	1	3	69	009.7709	16
8	3	1	8	70	020.3352	16
8	3	1	7	71	002.9961	16
8	3	1	7	72	007.2692	16
8	3	1	8	73	001.6879	16
8	3	1	7	74	011.7933	16
8	3	1	8	75	054.8658	16
8	3	1	9	76	012.6231	16
8	3	1	7	77	000.5390	16
8	3	1	4	78	000.9712	16
8	3	1	9	79	066.4046	16
8	3	1	7	80	000.3991	16
8	3	1	1	81	020.0741	16
9	3	0	0	0	034.1873	1
9	3	0	7	1	000.0103	1
9	3	0	7	2	000.0941	1
9	3	0	8	3	000.1353	1
9	3	0	8	4	000.5598	1
9	3	0	7	5	001.1843	1
9	3	0	2	6	000.7787	1
9	3	0	1	7	001.3803	1
9	3	0	7	8	000.0284	1
9	3	0	7	9	000.0416	1
9	3	0	7	10	000.0193	1
9	3	0	2	11	000.2592	1
9	3	0	7	12	000.0210	1

FLOW 3

7	3	0	7	44	000.0129	1
7	3	0	8	45	000.3110	1
7	3	0	7	46	000.0598	1
7	3	0	7	47	000.5521	1
7	3	0	8	48	000.3291	1
7	3	0	2	49	001.8927	1
7	3	0	1	50	007.3347	1
7	3	0	7	51	000.0046	1
7	3	0	8	52	000.0191	1
7	3	1	0	0	037.3738	16
7	3	1	9	53	022.2560	16
7	3	1	6	54	000.6900	16
7	3	1	9	55	005.1247	16
7	3	1	5	56	001.6838	16
7	3	1	8	57	000.5058	16
7	3	1	8	58	000.3461	16
7	3	1	7	59	000.2649	16
7	3	1	7	60	000.2089	16
7	3	1	7	61	001.0116	16
7	3	1	7	62	000.1022	16
7	3	1	2	63	002.7498	16
7	3	1	1	64	002.3390	16
8	3	0	0	0	037.3554	1
8	3	0	8	1	000.1705	1
8	3	0	8	2	000.1987	1
8	3	0	8	3	000.0385	1
8	3	0	2	4	001.8714	1
8	3	0	8	5	004.4881	1
8	3	0	7	6	000.0302	1
8	3	0	7	7	000.0211	1
8	3	0	7	8	000.0374	1
8	3	0	7	9	000.0481	1
8	3	0	8	10	000.2534	1
8	3	0	7	11	000.2529	1
8	3	0	7	12	000.0460	1
8	3	0	8	13	000.0444	1
8	3	0	8	14	000.0193	1
8	3	0	7	15	000.5489	1
8	3	0	7	16	000.2672	1
8	3	0	7	17	000.0945	1
8	3	0	7	18	000.2197	1
8	3	0	8	19	000.0261	1
8	3	0	7	20	000.0532	1
8	3	0	2	21	002.1152	1
8	3	0	7	22	000.0666	1
8	3	0	7	23	000.1889	1
8	3	0	7	24	000.1649	1
8	3	0	7	25	000.0412	1
8	3	0	2	26	001.0122	1
8	3	0	8	27	000.0597	1
8	3	0	8	28	000.0469	1
8	3	0	7	29	000.0303	1
8	3	0	3	30	000.0217	1
8	3	0	7	31	000.7022	1
8	3	0	7	32	000.2835	1
8	3	0	8	33	001.1936	1
8	3	0	9	34	000.1175	1
8	3	0	1	35	004.0607	1
8	3	0	7	36	000.0043	1

FLOW 3

9	3	2	5	70	000.4326	16
9	3	2	7	71	000.1384	16
9	3	2	7	72	002.2222	16
9	3	2	9	73	002.1837	16
9	3	2	8	74	000.2138	16
10	3	0	0	0	032.3435	1
10	3	0	2	1	000.0548	1
10	3	0	7	2	000.1052	1
10	3	0	8	3	000.0201	1
10	3	0	7	4	000.0054	1
10	3	0	7	5	000.0253	1
10	3	0	7	6	000.2077	1
10	3	0	8	7	000.0165	1
10	3	0	7	8	000.0340	1
10	3	0	1	9	003.9724	1
10	3	0	1	10	000.6838	1
10	3	0	7	11	000.0401	1
10	3	0	2	12	000.3337	1
10	3	0	7	13	000.1119	1
10	3	0	1	14	000.2570	1
10	3	0	9	15	000.3744	1
10	3	0	8	16	000.1942	1
10	3	0	7	17	000.1797	1
10	3	0	7	18	000.0090	1
10	3	0	9	19	000.2265	1
10	3	1	0	0	263.1263	16
10	3	1	7	20	000.0347	16
10	3	1	7	21	002.1371	16
10	3	1	1	22	034.7099	16
10	3	1	8	23	016.9202	16
10	3	1	8	24	000.6263	16
10	3	1	7	25	002.9924	16
10	3	1	3	26	003.7066	16
10	3	1	8	27	028.1248	16
10	3	1	7	28	001.0153	16
10	3	1	7	29	005.8551	16
10	3	1	4	30	000.4238	16
10	3	1	3	31	001.0314	16
10	3	1	7	32	009.6370	16
10	3	1	9	33	155.5508	16
10	3	2	0	0	158.3108	16
10	3	2	7	34	000.1777	16
10	3	2	1	35	007.2334	16
10	3	2	8	36	001.3546	16
10	3	2	8	37	003.0052	16
10	3	2	8	38	001.9193	16
10	3	2	8	39	005.5675	16
10	3	2	7	40	012.6784	16
10	3	2	7	41	000.4528	16
10	3	2	7	42	000.0429	16
10	3	2	7	43	000.1865	16
10	3	2	2	44	026.9845	16
10	3	2	7	45	006.8152	16
10	3	2	8	46	032.3613	16
10	3	2	7	47	002.6373	16
10	3	2	7	48	001.0745	16
10	3	2	8	49	001.5812	16
10	3	2	3	50	000.5777	16
10	3	2	9	51	047.7444	16

FLOW 3

9	3	0	7	13	000.1606	1
9	3	0	7	14	000.1594	1
9	3	0	7	15	000.0509	1
9	3	0	8	16	000.0255	1
9	3	0	7	17	000.0347	1
9	3	0	1	18	004.2379	1
9	3	1	0	0	236.9854	16
9	3	1	8	19	005.1094	16
9	3	1	7	20	003.6070	16
9	3	1	8	21	005.6812	16
9	3	1	7	22	001.7926	16
9	3	1	2	23	006.1033	16
9	3	1	8	24	048.8327	16
9	3	1	8	25	001.2838	16
9	3	1	8	26	000.6151	16
9	3	1	3	27	009.1439	16
9	3	1	7	28	002.7468	16
9	3	1	3	29	000.2711	16
9	3	1	8	30	108.0194	16
9	3	1	7	31	000.2171	16
9	3	1	7	32	001.8190	16
9	3	1	3	33	000.4699	16
9	3	1	9	34	020.9874	16
9	3	1	7	35	002.7166	16
9	3	1	7	36	004.4077	16
9	3	1	7	37	000.3261	16
9	3	1	3	38	003.6682	16
9	3	1	1	39	008.0045	16
9	3	1	8	40	001.0364	16
9	3	2	0	0	177.2047	16
9	3	2	8	41	003.1564	16
9	3	2	7	42	013.3236	16
9	3	2	1	43	007.5801	16
9	3	2	7	44	000.0373	16
9	3	2	7	45	000.0380	16
9	3	2	7	46	000.0695	16
9	3	2	3	47	001.0640	16
9	3	2	7	48	001.8595	16
9	3	2	7	49	001.2391	16
9	3	2	2	50	030.5284	16
9	3	2	8	51	017.9125	16
9	3	2	7	52	012.0056	16
9	3	2	8	53	016.4492	16
9	3	2	3	54	000.8979	16
9	3	2	3	55	000.5565	16
9	3	2	7	56	000.4260	16
9	3	2	7	57	001.9716	16
9	3	2	7	58	000.2559	16
9	3	2	7	59	000.1013	16
9	3	2	7	60	004.3498	16
9	3	2	8	61	027.4829	16
9	3	2	7	62	001.3753	16
9	3	2	7	63	001.4107	16
9	3	2	8	64	006.4832	16
9	3	2	3	65	002.8762	16
9	3	2	9	66	014.1048	16
9	3	2	1	67	003.7465	16
9	3	2	7	68	000.5253	16
9	3	2	7	69	000.0160	16

		FLOW 3				
11	3	2	2	51	029.0746	16
11	3	2	7	52	000.0175	16
11	3	2	7	53	000.0174	16
11	3	2	7	54	000.8429	16
11	3	2	5	55	000.1515	16
11	3	2	3	56	002.4265	16
11	3	2	7	57	000.3437	16
11	3	2	8	58	001.4820	16
11	3	2	7	59	003.7612	16
11	3	2	4	60	000.1233	16
11	3	2	4	61	000.0842	16
11	3	2	8	62	038.8857	15
11	3	2	9	63	000.5873	16
11	3	2	7	64	004.0765	16
11	3	2	8	65	001.8544	16
11	3	2	7	66	002.8708	16
11	3	2	1	67	040.6163	16
11	3	2	8	68	004.4163	16
11	3	2	3	69	000.3645	16
11	3	2	7	70	002.9138	16
11	3	2	9	71	001.5604	16
11	3	2	7	72	000.2654	16
11	3	2	8	73	006.4032	16
12	3	0	0	0	022.0723	1
12	3	0	8	1	000.1637	1
12	3	0	7	2	000.2744	1
12	3	0	7	3	000.1995	1
12	3	0	7	4	000.1947	1
12	3	0	2	5	000.3407	1
12	3	0	1	6	003.9024	1
12	3	0	9	7	002.2929	1
12	3	0	7	8	000.0578	1
12	3	0	7	9	000.0980	1
12	3	0	2	10	000.1913	1
12	3	0	7	11	000.1665	1
12	3	0	2	12	000.0479	1
12	3	0	7	13	000.0370	1
12	3	0	1	14	002.6280	1
12	3	0	9	15	000.1860	1
12	3	0	9	16	000.7405	1
12	3	1	0	0	061.1343	16
12	3	1	9	17	022.0112	16
12	3	1	3	18	000.4718	16
12	3	1	3	19	000.5870	16
12	3	1	3	20	005.2399	16
12	3	1	8	21	003.2346	16
12	3	1	7	22	005.8668	16
12	3	1	2	23	003.6013	16
12	3	1	8	24	001.3329	16
12	3	1	7	25	004.7238	16
12	3	1	1	26	014.1062	16
12	3	2	0	0	113.1657	16
12	3	2	8	27	000.1324	16
12	3	2	8	28	000.7207	16
12	3	2	7	29	013.7616	16
12	3	2	8	30	015.2631	16
12	3	2	7	31	001.2178	16
12	3	2	2	32	004.3062	16
12	3	2	8	33	003.4004	16

		FLOW 3				
10	3	2	3	52	000.7794	16
10	3	2	4	53	000.5242	16
10	3	2	7	54	004.8535	16
10	3	2	7	55	000.3577	16
11	3	0	0	0	036.0395	1
11	3	0	7	1	000.1703	1
11	3	0	2	2	000.0408	1
11	3	0	7	3	000.3124	1
11	3	0	8	4	000.2817	1
11	3	0	1	5	002.9522	1
11	3	0	7	6	000.0221	1
11	3	0	8	7	000.1780	1
11	3	0	2	8	000.2068	1
11	3	0	8	9	000.4500	1
11	3	0	7	10	000.0691	1
11	3	0	2	11	000.3197	1
11	3	0	1	12	001.4243	1
11	3	0	7	13	000.0034	1
11	3	0	1	14	000.0272	1
11	3	0	7	15	000.0533	1
11	3	0	1	16	000.2514	1
11	3	0	7	17	000.2963	1
11	3	0	2	18	000.7957	1
11	3	0	2	19	000.1394	1
11	3	0	9	74	009.7351	1
11	3	0	9	75	003.4989	1
11	3	1	0	0	065.2368	16
11	3	1	9	20	003.8152	16
11	3	1	6	21	000.1228	16
11	3	1	5	22	000.0585	16
11	3	1	7	23	001.3470	16
11	3	1	7	24	000.2051	16
11	3	1	7	25	000.1672	16
11	3	1	7	26	000.1529	16
11	3	1	2	27	005.0048	16
11	3	1	9	28	009.4828	16
11	3	1	8	29	004.9618	16
11	3	1	7	30	013.3656	16
11	3	1	1	31	018.5789	16
11	3	1	7	32	001.2689	16
11	3	1	7	33	000.0240	16
11	3	1	7	34	000.0073	16
11	3	1	5	35	000.4651	16
11	3	1	7	36	000.4064	16
11	3	1	9	37	005.3748	16
11	3	1	9	38	000.3813	16
11	3	2	0	0	177.9996	16
11	3	2	9	39	004.7091	16
11	3	2	7	40	000.0622	16
11	3	2	7	41	000.0918	16
11	3	2	5	42	000.0203	16
11	3	2	9	43	000.9267	16
11	3	2	9	44	000.9586	16
11	3	2	8	45	021.2324	16
11	3	2	7	46	000.3736	16
11	3	2	8	47	003.5771	16
11	3	2	7	48	000.4286	16
11	3	2	7	49	000.1597	16
11	3	2	8	50	003.1263	16

FLOW 3

13	3	1	8	38	014.8835	16
13	3	1	7	39	000.3277	16
13	3	1	7	40	000.4548	16
13	3	1	7	41	000.2313	16
13	3	1	9	42	004.6380	16
13	3	1	7	43	000.0960	16
13	3	1	2	55	001.5313	16
13	3	2	0	0	048.8004	16
13	3	2	1	44	008.9365	16
13	3	2	7	45	001.0355	16
13	3	2	3	46	000.2016	16
13	3	2	9	47	015.4181	16
13	3	2	2	48	007.1320	16
13	3	2	7	49	000.0881	16
13	3	2	7	50	000.2521	16
13	3	2	5	51	000.6165	16
13	3	2	3	52	000.5681	16
13	3	2	7	53	000.8803	16
13	3	2	9	54	013.6234	16
14	3	0	0	0	031.8337	1
14	3	0	9	1	009.0446	1
14	3	0	7	2	000.0345	1
14	3	0	7	3	000.0342	1
14	3	0	7	4	000.0377	1
14	3	0	7	5	000.0764	1
14	3	0	2	6	000.3715	1
14	3	0	7	7	000.0862	1
14	3	0	8	8	002.0558	1
14	3	0	1	9	006.6849	1
14	3	0	7	10	000.0398	1
14	3	0	7	11	000.4503	1
14	3	0	7	12	000.3464	1
14	3	0	8	13	000.4387	1
14	3	0	7	14	000.1805	1
14	3	0	8	15	000.3321	1
14	3	0	7	16	000.1469	1
14	3	0	8	17	000.5181	1
14	3	0	7	18	000.0470	1
14	3	0	7	19	000.0928	1
14	3	0	7	20	000.0396	1
14	3	0	8	21	000.2124	1
14	3	0	7	22	000.5040	1
14	3	0	2	23	002.7805	1
14	3	0	7	24	000.0158	1
14	3	0	7	25	000.0090	1
14	3	0	7	26	000.0119	1
14	3	0	2	27	002.1534	1
14	3	0	8	28	000.2404	1
14	3	0	7	29	000.4345	1
14	3	0	8	30	001.8311	1
14	3	0	9	31	001.7284	1
14	3	0	7	32	000.0384	1
14	3	0	7	33	000.0609	1
14	3	0	7	34	000.0162	1
14	3	1	0	0	016.8430	16
14	3	1	4	35	002.0162	16
14	3	1	8	36	013.2124	16
14	3	1	7	37	000.4532	16
14	3	1	2	38	001.1990	16

FLOW 3

Plate	Flow	Enlargement	Type	ID	Total	Factor
12	3	2	7	34	002.7365	16
12	3	2	7	35	002.8925	16
12	3	2	8	36	009.6452	16
12	3	2	8	37	000.8092	16
12	3	2	7	38	003.5587	16
12	3	2	7	39	000.8563	16
12	3	2	7	40	012.6320	16
12	3	2	2	41	001.5506	16
12	3	2	1	42	007.9977	16
12	3	2	7	43	000.6206	16
12	3	2	1	44	024.7397	16
12	3	2	6	45	000.1095	16
12	3	2	9	46	006.1605	16

Plate	Flow	Enlargement	Type	ID	Total	Factor
13	3	0	0	0	021.1129	1
13	3	0	8	1	000.0055	1
13	3	0	7	2	000.0493	1
13	3	0	2	3	000.3198	1
13	3	0	7	4	000.0682	1
13	3	0	1	5	001.3133	1
13	3	0	7	6	000.0173	1
13	3	0	7	7	000.1877	1
13	3	0	7	8	000.0137	1
13	3	0	8	9	000.1059	1
13	3	0	7	10	000.0282	1
13	3	0	7	11	000.0133	1
13	3	0	7	12	000.0104	1
13	3	0	7	13	000.1059	1
13	3	0	8	14	000.4278	1
13	3	0	8	15	000.6675	1
13	3	0	7	16	001.1185	1
13	3	0	7	17	000.1165	1
13	3	0	7	18	000.4145	1
13	3	0	8	19	000.0513	1
13	3	0	7	20	000.0190	1
13	3	0	2	21	002.6139	1
13	3	0	7	22	000.1083	1
13	3	0	1	23	003.1685	1
13	3	0	1	24	000.7106	1
13	3	0	1	25	000.4651	1
13	3	0	8	26	000.1313	1
13	3	0	9	27	000.8808	1
13	3	1	0	0	084.9489	16
13	3	1	1	28	016.9557	16
13	3	1	8	29	017.1947	16
13	3	1	7	30	006.3238	16
13	3	1	7	31	000.1031	16
13	3	1	2	32	009.7996	16
13	3	1	7	33	002.7576	16
13	3	1	7	34	005.8763	16
13	3	1	3	35	000.7556	16
13	3	1	3	36	002.1809	16
13	3	1	7	37	001.6516	16

FLOW 3

16	3	2	9	26	008.8074	16
17	3	0	0	0	011.2601	1
17	3	0	2	1	000.0446	1
17	3	0	7	2	000.3048	1
17	3	0	2	3	000.5433	1
17	3	0	2	4	000.1100	1
17	3	0	7	5	000.3491	1
17	3	0	7	6	000.3632	1
17	3	0	7	7	000.2997	1
17	3	0	4	8	000.1471	1
17	3	0	7	9	000.0107	1
17	3	0	7	10	000.0220	1
17	3	0	7	11	000.0231	1
17	3	0	7	12	000.1697	1
17	3	0	2	13	000.7923	1
17	3	0	8	14	000.1519	1
17	3	0	7	15	000.3900	1
17	3	0	7	16	000.0381	1
17	3	0	8	17	000.1798	1
17	3	0	1	18	007.4385	1
18	3	0	0	0	025.2100	1
18	3	0	8	1	000.3313	1
18	3	0	7	2	000.0661	1
18	3	0	7	3	000.0220	1
18	3	0	8	4	000.0157	1
18	3	0	7	5	000.0819	1
18	3	0	7	6	000.2759	1
18	3	0	7	7	000.0235	1
18	3	0	7	8	000.0126	1
18	3	0	7	9	000.5492	1
18	3	0	7	10	000.0903	1
18	3	0	7	11	000.3530	1
18	3	0	8	12	000.1780	1
18	3	0	7	13	000.1787	1
18	3	0	7	14	000.0296	1
18	3	0	7	15	000.2006	1
18	3	0	8	16	000.5024	1
18	3	0	7	17	000.1827	1
18	3	0	2	18	000.1658	1
18	3	0	8	19	000.1497	1
18	3	0	7	20	000.4622	1
18	3	0	7	21	000.0153	1
18	3	0	7	22	000.0501	1
18	3	0	8	23	000.5370	1
18	3	0	2	24	000.6835	1
18	3	0	7	25	000.6263	1
18	3	0	7	26	000.0227	1
18	3	0	8	27	000.2128	1
18	3	0	7	28	000.3421	1
18	3	0	8	29	000.1479	1
18	3	0	7	30	000.0485	1
18	3	0	8	31	000.0565	1
18	3	0	7	32	000.0463	1
18	3	0	7	33	000.0225	1
18	3	0	2	34	001.5794	1
18	3	0	1	35	007.4192	1
18	3	0	9	36	000.8316	1
18	3	1	0	0	105.7747	16
18	3	1	3	37	002.9433	16

FLOW 3

15	3	0	0	0	021.7788	1
15	3	0	9	1	000.2588	1
15	3	0	7	2	000.0212	1
15	3	0	9	3	007.2138	1
15	3	0	9	4	000.0677	1
15	3	0	7	5	000.0976	1
15	3	0	7	6	000.0822	1
15	3	0	8	7	000.1071	1
15	3	0	7	8	000.2240	1
15	3	0	2	9	000.6131	1
15	3	0	7	10	000.1224	1
15	3	0	1	11	007.8428	1
15	3	0	8	12	000.6995	1
15	3	0	7	13	000.0982	1
15	3	0	8	14	000.6185	1
15	3	0	7	15	000.1781	1
15	3	0	2	16	001.3056	1
15	3	0	7	17	000.0636	1
15	3	1	0	0	014.6450	16
15	3	1	4	18	000.3028	16
15	3	1	9	19	011.0472	16
15	3	1	7	20	000.6974	16
15	3	1	1	21	002.6067	16
15	3	2	0	0	018.7373	16
15	3	2	4	22	000.3954	16
15	3	2	9	23	015.5952	16
15	3	2	7	24	000.6231	16
15	3	2	7	25	000.3097	16
15	3	2	1	26	001.7449	16
16	3	0	0	0	026.9817	1
16	3	0	7	1	000.0706	1
16	3	0	8	2	001.6570	1
16	3	0	7	3	000.0280	1
16	3	0	7	4	000.1370	1
16	3	0	8	5	000.0414	1
16	3	0	7	6	000.2113	1
16	3	0	2	7	000.4163	1
16	3	0	8	8	000.0401	1
16	3	0	7	9	000.0423	1
16	3	0	7	10	000.0667	1
16	3	0	2	11	000.1195	1
16	3	0	7	12	000.6230	1
16	3	0	2	13	000.3272	1
16	3	0	7	14	000.0610	1
16	3	0	1	15	009.4445	1
16	3	0	9	27	011.7624	1
16	3	0	9	28	000.2102	1
16	3	1	0	0	009.5902	16
16	3	1	1	16	003.3399	16
16	3	1	5	17	000.1248	16
16	3	1	7	18	000.2551	16
16	3	1	6	19	000.1173	16
16	3	1	7	20	000.1024	16
16	3	1	9	21	005.6725	16
16	3	2	0	0	015.6632	16
16	3	2	1	22	005.1271	16
16	3	2	7	23	000.3286	16
16	3	2	7	24	000.2694	16
16	3	2	4	25	001.1393	16

FLOW 4

Plate	Flow	Enlargement	Type	ID	Total	Factor
1	4	0	0	0	007.4819	1
1	4	0	7	1	000.0499	1
1	4	0	7	2	000.0153	1
1	4	0	7	3	000.0603	1
1	4	0	8	4	000.5625	1
1	4	0	7	5	000.0290	1
1	4	0	1	6	005.5501	1
1	4	0	1	7	000.8435	1
1	4	1	0	0	004.8985	16
1	4	1	7	8	000.2919	16
1	4	1	7	9	000.0572	16
1	4	1	5	10	001.2604	16
1	4	1	1	11	003.2890	16
2	4	0	0	0	014.5336	1
2	4	0	2	1	000.2022	1
2	4	0	7	2	000.1556	1
2	4	0	8	3	000.0494	1
2	4	0	2	4	000.1070	1
2	4	0	7	5	000.0202	1
2	4	0	8	6	001.6931	1
2	4	0	7	7	000.1527	1
2	4	0	7	8	000.0239	1
2	4	0	2	9	000.2108	1
2	4	0	8	10	001.1128	1
2	4	0	7	11	000.0277	1
2	4	0	1	12	003.5994	1
2	4	0	1	27	004.0688	1
2	4	1	0	0	038.2304	16
2	4	1	7	16	000.6162	16
2	4	1	7	17	000.6332	16
2	4	1	8	18	000.6260	16
2	4	1	7	19	000.6484	16
2	4	1	2	20	003.5866	16
2	4	1	8	21	004.3965	16
2	4	1	7	22	000.9289	16
2	4	1	8	23	009.8598	16
2	4	1	7	24	006.1480	16
2	4	1	8	25	001.3356	16
2	4	1	1	26	009.4512	16
2	4	2	0	0	013.2883	16
2	4	2	7	13	000.2919	16
2	4	2	5	14	000.4023	16
2	4	2	1	15	012.2886	16
3	4	0	0	0	018.1609	1
3	4	0	1	1	008.1006	1
3	4	0	7	2	000.0975	1
3	4	0	7	3	000.0441	1
3	4	0	7	4	000.0487	1
3	4	0	7	5	000.0042	1
3	4	0	7	6	000.0301	1
3	4	0	7	7	000.2155	1
3	4	0	7	8	000.0082	1
3	4	0	7	9	000.0189	1
3	4	0	7	10	000.1341	1
3	4	0	2	11	000.9578	1
3	4	0	7	12	000.0082	1

FLOW 3

18	3	1	6	38	000.9211	16
18	3	1	8	39	019.0066	16
18	3	1	7	40	001.2366	16
18	3	1	7	41	000.4121	16
18	3	1	8	42	003.4969	16
18	3	1	7	43	001.7184	16
18	3	1	8	44	006.3998	16
18	3	1	7	45	000.8246	16
18	3	1	4	46	000.7414	16
18	3	1	8	47	003.2920	16
18	3	1	7	48	003.8159	16
18	3	1	8	49	000.1785	16
18	3	1	9	50	045.6909	16
18	3	1	2	51	015.0436	16
18	3	2	0	0	036.4365	16
18	3	2	7	52	000.2715	16
18	3	2	8	53	000.8950	16
18	3	2	7	54	006.4098	16
18	3	2	7	55	000.0652	16
18	3	2	7	56	001.6600	16
18	3	2	8	57	006.2082	16
18	3	2	7	58	000.1051	16
18	3	2	2	59	010.7835	16
18	3	2	9	60	009.7819	16

FLOW 4

4	4	1	8	25	011.4221	16
4	4	1	6	26	000.0466	16
4	4	1	7	27	000.7055	16
4	4	1	9	28	003.1587	16
4	4	1	7	29	000.4660	16
4	4	2	0	0	027.7858	16
4	4	2	4	30	001.1980	16
4	4	2	7	31	000.0641	16
4	4	2	4	32	000.1169	16
4	4	2	7	33	000.0260	16
4	4	2	8	34	000.2796	16
4	4	2	7	35	000.0278	16
4	4	2	2	36	002.0173	16
4	4	2	1	37	001.6537	16
4	4	2	9	38	022.3432	16
4	4	3	0	0	019.0842	16
4	4	3	9	40	003.0905	16
4	4	3	7	41	000.2318	16
4	4	3	5	42	002.3320	16
4	4	3	7	43	000.2447	16
4	4	3	8	44	003.4896	16
4	4	3	7	45	001.7498	16
4	4	3	7	46	000.8917	16
4	4	3	7	47	000.3072	16
4	4	3	7	48	000.1227	16
4	4	3	8	49	000.3116	16
4	4	3	7	50	000.0411	16
4	4	3	9	51	001.2342	16
4	4	3	1	52	005.0373	16
5	4	0	0	0	038.1748	1
5	4	0	2	1	000.0736	1
5	4	0	8	2	000.1071	1
5	4	0	7	3	000.0841	1
5	4	0	7	4	000.0682	1
5	4	0	8	5	000.2136	1
5	4	0	7	6	000.0268	1
5	4	0	2	7	000.0891	1
5	4	0	8	8	000.7475	1
5	4	0	7	9	000.5629	1
5	4	0	2	10	000.8187	1
5	4	0	8	11	000.0819	1
5	4	0	7	12	000.0588	1
5	4	0	7	13	000.0232	1
5	4	0	2	14	000.0797	1
5	4	0	8	15	000.0689	1
5	4	0	7	16	000.0522	1
5	4	0	7	17	000.0161	1
5	4	0	7	18	000.0167	1
5	4	0	7	19	000.1112	1
5	4	0	9	20	005.8808	1
5	4	0	7	21	000.0943	1
5	4	0	7	22	000.0099	1
5	4	0	8	23	000.5078	1
5	4	0	7	24	000.2099	1
5	4	0	2	25	000.7957	1
5	4	0	7	26	000.1332	1
5	4	0	7	27	000.0931	1
5	4	0	2	28	000.5087	1
5	4	0	7	29	000.0511	1

FLOW 4

3	4	0	7	13	000.0020	1
3	4	0	7	14	000.0688	1
3	4	0	7	15	000.0520	1
3	4	0	8	16	000.3425	1
3	4	0	2	17	000.3252	1
3	4	0	7	18	000.0096	1
3	4	0	9	19	000.8647	1
3	4	1	0	0	094.4861	16
3	4	1	8	20	007.3512	16
3	4	1	7	21	005.1628	16
3	4	1	7	22	000.5117	16
3	4	1	7	23	000.1566	16
3	4	1	7	24	000.0733	16
3	4	1	7	25	000.2895	16
3	4	1	8	26	002.0978	16
3	4	1	8	27	003.2265	16
3	4	1	8	28	002.6418	16
3	4	1	7	29	001.2505	16
3	4	1	7	30	002.9463	16
3	4	1	7	31	001.6429	16
3	4	1	7	32	000.3504	16
3	4	1	7	33	000.0393	16
3	4	1	7	34	002.1462	16
3	4	1	8	35	003.9761	16
3	4	1	3	36	001.7235	16
3	4	1	2	37	026.7616	16
3	4	1	7	38	007.6635	16
3	4	1	7	39	000.1887	16
3	4	1	7	40	000.9221	16
3	4	1	5	41	000.2259	16
3	4	1	8	42	012.7384	16
3	4	1	1	43	010.3700	16
4	4	0	0	0	037.5406	1
4	4	0	7	1	000.0093	1
4	4	0	8	2	000.1113	1
4	4	0	9	3	013.2396	1
4	4	0	2	4	001.1449	1
4	4	0	8	5	000.8066	1
4	4	0	7	6	000.0856	1
4	4	0	7	7	000.0429	1
4	4	0	7	8	000.0574	1
4	4	0	7	9	000.1055	1
4	4	0	7	10	000.1147	1
4	4	0	7	11	000.0745	1
4	4	0	8	12	000.0544	1
4	4	0	8	13	000.0386	1
4	4	0	7	14	000.0147	1
4	4	0	8	15	000.0709	1
4	4	0	7	16	000.0416	1
4	4	0	2	17	001.0304	1
4	4	0	1	18	008.2993	1
4	4	0	9	53	005.6907	1
4	4	1	0	0	061.7841	16
4	4	1	7	19	000.3077	16
4	4	1	2	20	018.4352	16
4	4	1	4	21	000.4739	16
4	4	1	9	22	023.6435	16
4	4	1	7	23	000.3797	16
4	4	1	3	24	002.3955	16

FLOW 4

6	4	0	7	24	000.0093	1
6	4	0	8	25	000.1968	1
6	4	0	7	26	000.1062	1
6	4	0	2	27	000.0698	1
6	4	0	8	28	000.0672	1
6	4	0	2	29	001.4490	1
6	4	0	7	30	000.0480	1
6	4	0	1	31	002.5937	1
6	4	1	0	0	049.7092	16
6	4	1	4	32	001.1590	16
6	4	1	9	33	002.7273	16
6	4	1	9	34	020.4322	16
6	4	1	2	35	006.0691	16
6	4	1	7	36	000.6844	16
6	4	1	7	37	011.6801	16
6	4	1	8	38	000.3397	16
6	4	1	1	39	006.1860	16
6	4	2	0	0	071.6195	16
6	4	2	7	40	003.0718	16
6	4	2	2	41	006.3791	16
6	4	2	8	42	015.6838	16
6	4	2	9	43	028.3272	16
6	4	2	7	44	000.4987	16
6	4	2	8	45	000.2747	16
6	4	2	4	46	000.2783	16
6	4	2	7	47	000.3475	16
6	4	2	1	48	017.3168	16
6	4	3	0	0	070.8278	16
6	4	3	9	49	001.0136	16
6	4	3	7	50	001.0245	16
6	4	3	7	51	000.4144	16
6	4	3	7	52	000.3194	16
6	4	3	7	53	000.0438	16
6	4	3	7	54	000.5256	16
6	4	3	2	55	010.8264	16
6	4	3	7	56	000.3458	16
6	4	3	8	57	014.9950	16
6	4	3	7	58	000.4759	16
6	4	3	8	59	000.0723	16
6	4	3	8	60	000.5166	16
6	4	3	7	61	000.3375	16
6	4	3	7	62	005.9026	16
6	4	3	8	63	004.6198	16
6	4	3	8	64	002.7661	16
6	4	3	9	65	023.0960	16
6	4	3	1	66	002.5536	16
6	4	3	1	67	000.3036	16
6	4	3	1	68	000.3291	16
7	4	0	0	0	032.0548	1
7	4	0	7	1	000.1330	1
7	4	0	8	2	000.0411	1
7	4	0	7	3	000.2114	1
7	4	0	8	4	000.0068	1
7	4	0	8	5	000.0349	1
7	4	0	7	6	000.0058	1
7	4	0	2	7	002.2872	1
7	4	0	7	8	000.1041	1
7	4	0	7	9	000.3620	1
7	4	0	8	10	000.2225	1

FLOW 4

5	4	0	8	30	000.6132	1
5	4	0	7	31	000.1194	1
5	4	0	1	32	003.7137	1
5	4	0	1	33	004.1014	1
5	4	0	9	34	006.4292	1
5	4	0	4	62	000.1416	1
5	4	1	0	0	026.1328	16
5	4	1	4	35	001.3222	16
5	4	1	9	36	017.7583	16
5	4	1	1	37	007.0523	16
5	4	2	0	0	164.5264	16
5	4	2	7	38	000.3441	16
5	4	2	2	39	002.9102	16
5	4	2	4	40	000.5996	16
5	4	2	3	41	004.1186	16
5	4	2	7	42	001.0394	16
5	4	2	7	43	000.0494	16
5	4	2	7	44	000.4054	16
5	4	2	7	45	000.7664	16
5	4	2	7	46	000.1069	16
5	4	2	7	47	000.1006	16
5	4	2	7	48	004.9618	16
5	4	2	9	49	075.7587	16
5	4	2	3	50	005.2461	16
5	4	2	7	51	005.0349	16
5	4	2	8	52	002.4544	16
5	4	2	7	53	001.6317	16
5	4	2	7	54	000.36'5	16
5	4	2	7	55	000.0335	16
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5	4	2	5	59	000.5395	16
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5	4	2	7	61	000.2249	16
6	4	0	0	0	035.5166	1
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6	4	0	7	2	000.0843	1
6	4	0	8	3	000.4601	1
6	4	0	7	4	000.2419	1
6	4	0	7	5	000.1098	1
6	4	0	7	6	000.0932	1
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6	4	0	8	8	000.0762	1
6	4	0	7	9	000.0118	1
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6	4	0	8	11	001.3134	1
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6	4	0	8	14	000.6487	1
6	4	0	7	15	000.0928	1
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6	4	0	7	17	000.0772	1
6	4	0	1	18	006.1574	1
6	4	0	9	19	005.0199	1
6	4	0	9	20	002.8897	1
6	4	0	7	21	000.0159	1
6	4	0	7	22	000.0549	1
6	4	0	7	23	001.6209	1

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8	4	0	7	23	000.0391	1	
8	4	0	7	24	000.1301	1	
8	4	0	7	25	000.0618	1	
8	4	0	2	26	001.5610	1	
8	4	0	8	27	000.7945	1	
8	4	0	8	28	000.0340	1	
8	4	0	8	29	000.0333	1	
8	4	0	7	30	001.0253	1	
8	4	0	3	31	000.2260	1	
8	4	0	7	32	000.0183	1	
8	4	0	7	33	000.0687	1	
8	4	0	9	34	000.1442	1	
8	4	0	1	35	002.8744	1	
8	4	0	7	36	000.1004	1	
8	4	0	7	37	000.1218	1	
8	4	0	7	38	000.2669	1	
8	4	0	7	39	000.0387	1	
8	4	0	7	40	000.0033	1	
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8	4	0	2	42	001.1885	1	
8	4	0	9	43	003.5188	1	
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8	4	1	0	0	224.9591	16	
8	4	1	7	45	000.0537	16	
8	4	1	7	46	000.0812	16	
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8	4	1	7	63	000.2661	16	
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8	4	1	9	66	071.1296	16	
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8	4	1	4	68	000.9350	16	
8	4	1	7	69	008.4257	16	
8	4	1	2	70	037.4328	16	
8	4	1	1	71	016.1088	16	
9	4	0	0	0	032.4582	1	
9	4	0	7	1	000.0110	1	
9	4	0	8	2	000.1574	1	
9	4	0	7	3	000.0209	1	
9	4	0	8	4	000.5361	1	
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9	4	0	7	6	000.1306	1	
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		FLOW	4				
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7	4	0	8	13	003.6785	1	
7	4	0	7	14	000.1059	1	
7	4	0	7	15	000.2366	1	
7	4	0	8	16	000.0541	1	
7	4	0	7	17	000.2295	1	
7	4	0	8	18	000.5253	1	
7	4	0	8	19	000.0246	1	
7	4	0	7	20	000.2296	1	
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7	4	0	7	29	000.0783	1	
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7	4	0	2	34	002.6868	1	
7	4	0	1	35	008.6937	1	
7	4	0	9	36	003.6720	1	
7	4	0	9	37	004.1563	1	
7	4	1	0	0	031.1674	16	
7	4	1	9	38	015.9086	16	
7	4	1	6	39	000.8485	16	
7	4	1	8	40	000.7662	16	
7	4	1	7	41	000.1686	16	
7	4	1	9	42	008.0722	16	
7	4	1	5	43	001.2902	16	
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7	4	1	1	45	000.5794	16	
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8	4	0	8	7	000.2311	1	
8	4	0	7	8	000.0152	1	
8	4	0	7	9	000.0465	1	
8	4	0	8	10	000.0082	1	
8	4	0	8	11	000.0446	1	
8	4	0	7	12	000.4709	1	
8	4	0	7	13	000.0414	1	
8	4	0	7	14	000.0454	1	
8	4	0	7	15	000.0349	1	
8	4	0	8	16	000.0285	1	
8	4	0	7	17	000.0830	1	
8	4	0	7	18	000.0255	1	
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FLOW 4

9	4	2	7	65	000.8871	16
9	4	2	8	66	015.0804	16
9	4	2	7	67	001.9510	16
9	4	2	8	68	022.9795	16
9	4	2	7	69	003.7693	16
9	4	2	8	70	005.6113	16
9	4	2	3	71	003.0749	16
9	4	2	9	72	011.1357	16
9	4	2	7	73	000.9518	16
9	4	2	4	74	000.0922	16
9	4	2	7	75	000.1834	16
9	4	2	7	76	002.3806	16
9	4	2	7	77	000.0539	16
9	4	2	7	78	000.3665	16
9	4	2	5	79	000.8557	16
9	4	2	1	80	011.0971	16
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10	4	0	8	2	000.0295	1
10	4	0	8	3	000.0225	1
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10	4	0	9	7	000.2340	1
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10	4	1	8	13	025.6895	16
10	4	1	7	14	000.0216	16
10	4	1	7	15	000.0210	16
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10	4	1	7	25	008.8274	16
10	4	1	3	26	001.7559	16
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10	4	2	8	28	001.3168	16
10	4	2	7	29	004.1328	16
10	4	2	8	30	001.3050	16
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10	4	2	8	32	000.1192	16
10	4	2	7	33	000.3707	16
10	4	2	8	34	001.3056	16
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10	4	2	7	36	000.2417	16
10	4	2	7	37	000.1337	16
10	4	2	8	38	003.4339	16
10	4	2	7	39	000.4201	16
10	4	2	7	40	000.1288	16

FLOW 4

9	4	0	7	8	000.0069	1
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9	4	0	7	10	000.0899	1
9	4	0	2	11	001.4068	1
9	4	0	1	12	001.9293	1
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9	4	0	7	14	000.0439	1
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9	4	0	2	17	000.2906	1
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9	4	0	7	20	000.1006	1
9	4	0	7	21	000.0261	1
9	4	0	8	22	000.0309	1
9	4	0	1	23	003.4639	1
9	4	1	0	0	214.2113	16
9	4	1	8	24	004.0261	16
9	4	1	7	25	001.8236	16
9	4	1	8	26	004.5046	16
9	4	1	7	27	000.7553	16
9	4	1	2	28	009.2499	16
9	4	1	8	29	041.8675	16
9	4	1	7	30	000.8611	16
9	4	1	8	31	000.3791	16
9	4	1	7	32	000.6457	16
9	4	1	8	33	000.4477	16
9	4	1	7	34	000.9477	16
9	4	1	7	35	000.6428	16
9	4	1	3	36	009.7246	16
9	4	1	8	37	098.4292	16
9	4	1	7	38	001.2703	16
9	4	1	3	39	000.4634	16
9	4	1	7	40	000.1315	16
9	4	1	9	41	019.8706	16
9	4	1	7	42	000.3768	16
9	4	1	7	43	003.0188	16
9	4	1	7	44	000.4067	16
9	4	1	2	45	004.8068	16
9	4	1	1	46	009.5207	16
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9	4	2	7	47	000.0463	16
9	4	2	7	48	000.1985	16
9	4	2	7	49	000.0916	16
9	4	2	7	50	000.5844	16
9	4	2	7	51	000.1909	16
9	4	2	7	52	000.7619	16
9	4	2	8	53	014.0721	16
9	4	2	7	54	000.8600	16
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9	4	2	7	57	000.0075	16
9	4	2	7	58	000.0237	16
9	4	2	7	59	000.0156	16
9	4	2	2	60	045.4120	16
9	4	2	8	61	001.3559	16
9	4	2	8	62	000.1404	16
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9	4	2	7	64	003.1349	16

FLOW 4

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11	4	1	0	0	040.7396	16
11	4	1	6	40	000.1550	16
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11	4	1	7	42	000.1493	16
11	4	1	7	43	000.5200	16
11	4	1	9	44	004.2247	16
11	4	1	9	45	002.6786	16
11	4	1	7	46	004.0406	16
11	4	1	7	47	000.0477	16
11	4	1	7	48	000.2955	16
11	4	1	8	49	000.5993	16
11	4	1	8	50	000.0929	16
11	4	1	8	51	001.5018	16
11	4	1	7	52	005.9766	16
11	4	1	2	53	006.9474	16
11	4	1	1	54	009.8954	16
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11	4	1	5	58	000.1196	16
11	4	1	9	59	000.1581	16
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12	4	0	8	1	000.1375	1
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12	4	0	2	3	000.0895	1
12	4	0	7	4	000.0680	1
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12	4	0	7	17	000.0853	1
12	4	0	8	18	000.5750	1
12	4	0	7	19	000.0451	1
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12	4	0	7	21	000.0708	1
12	4	0	7	22	000.0269	1
12	4	0	7	23	000.0153	1
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12	4	1	0	0	037.1737	16
12	4	1	4	30	000.1090	16
12	4	1	2	31	000.5138	16
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FLOW 4

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10	4	2	7	43	000.0966	16
10	4	2	7	44	000.1642	16
10	4	2	7	45	000.7282	16
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10	4	2	7	47	001.4212	16
10	4	2	7	48	000.7999	16
10	4	2	7	49	003.3352	16
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10	4	2	7	52	000.5793	16
10	4	2	2	53	041.9448	16
10	4	2	8	54	028.0202	16
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10	4	2	7	56	000.1531	16
10	4	2	4	57	000.3840	16
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10	4	2	7	60	000.2201	16
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11	4	0	8	3	000.1716	1
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11	4	0	8	5	000.3485	1
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11	4	0	2	9	000.0698	1
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11	4	0	3	27	000.0178	1
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11	4	0	7	33	000.1209	1
11	4	0	7	34	000.0506	1
11	4	0	2	35	000.0228	1
11	4	0	9	36	003.2157	1
11	4	0	9	37	008.8622	1
11	4	0	9	38	000.0441	1

		FLOW	4			
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14	4	0	8	7	000.2117	1
14	4	0	8	8	001.6490	1
14	4	0	7	9	000.0233	1
14	4	0	1	10	009.0010	1
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14	4	0	8	12	000.3475	1
14	4	0	7	13	000.2304	1
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14	4	1	2	26	000.5056	16
14	4	1	9	27	009.1169	16
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15	4	0	2	2	000.0705	1
15	4	0	8	3	000.1407	1
15	4	0	7	4	000.0307	1
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15	4	2	9	17	002.1753	16
15	4	2	9	18	008.5735	16
15	4	2	7	19	000.7330	16
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15	4	2	1	21	004.0370	16
16	4	0	0	0	025.7459	1
16	4	0	7	1	000.0250	1
16	4	0	8	2	001.5593	1
16	4	0	7	3	000.0179	1
16	4	0	8	4	000.0297	1
16	4	0	7	5	000.1345	1
16	4	0	8	6	000.0386	1
16	4	0	7	7	000.0325	1

		FLOW	4			
12	4	1	7	34	000.0406	16
12	4	1	7	35	000.1574	16
12	4	1	7	36	000.0996	16
12	4	1	7	37	000.0545	16
12	4	1	7	38	000.1437	16
12	4	1	2	39	005.7945	16
12	4	1	7	40	001.2833	16
12	4	1	8	41	002.8430	16
12	4	1	7	42	001.4431	16
12	4	1	8	43	004.0938	16
12	4	1	1	44	004.5016	16
12	4	2	0	0	010.4016	16
12	4	2	6	45	000.0905	16
12	4	2	9	46	005.3423	16
12	4	2	1	47	005.0090	16
13	4	0	0	0	019.7516	1
13	4	0	8	1	000.0589	1
13	4	0	7	2	000.0336	1
13	4	0	1	3	001.8739	1
13	4	0	7	4	000.0913	1
13	4	0	7	5	000.0079	1
13	4	0	8	6	000.1474	1
13	4	0	7	7	000.0806	1
13	4	0	8	8	000.6472	1
13	4	0	7	9	000.0699	1
13	4	0	7	10	000.1624	1
13	4	0	7	11	000.0489	1
13	4	0	7	12	000.0079	1
13	4	0	7	13	000.3008	1
13	4	0	7	14	000.0536	1
13	4	0	8	15	000.3833	1
13	4	0	7	16	000.0253	1
13	4	0	2	17	001.5014	1
13	4	0	1	18	006.1378	1
13	4	0	8	19	001.0221	1
13	4	0	7	20	000.1478	1
13	4	0	7	21	000.0242	1
13	4	0	7	22	000.0601	1
13	4	0	7	23	000.0144	1
13	4	0	8	24	000.8867	1
13	4	0	7	25	000.0930	1
13	4	0	2	26	001.6170	1
13	4	1	0	0	073.8255	16
13	4	1	1	27	032.8623	16
13	4	1	7	28	000.1321	16
13	4	1	7	29	001.3953	16
13	4	1	3	30	000.2430	16
13	4	1	9	31	013.4780	16
13	4	1	8	32	000.5005	16
13	4	1	7	33	000.9946	16
13	4	1	5	34	000.5990	16
13	4	1	7	35	000.0301	16
13	4	1	3	36	000.8875	16
13	4	1	8	37	001.3883	16
13	4	1	7	38	013.3223	16
13	4	1	9	39	009.6243	16
14	4	0	0	0	030.4436	1
14	4	0	9	1	008.7309	1
14	4	0	2	2	000.4752	1

		FLOW	4			
18	4	0	8	26	000.2055	1
18	4	0	7	27	000.0800	1
18	4	0	7	28	000.0798	1
18	4	0	8	29	000.0282	1
18	4	0	7	30	000.0490	1
18	4	0	7	31	000.0663	1
18	4	0	7	32	000.0118	1
18	4	0	1	33	010.6863	1
18	4	0	9	34	001.1207	1
18	4	0	8	35	000.0126	1
18	4	0	8	36	000.1350	1
18	4	0	7	37	000.0257	1
18	4	0	2	62	001.5275	1
18	4	1	0	0	103.3985	16
18	4	1	5	38	000.5664	16
18	4	1	7	39	000.1485	16
18	4	1	7	40	000.2651	16
18	4	1	6	41	000.7772	16
18	4	1	7	42	000.1671	16
18	4	1	8	43	017.6972	16
18	4	1	7	44	000.9939	16
18	4	1	8	45	002.9471	16
18	4	1	7	46	001.2577	16
18	4	1	8	47	006.2233	16
18	4	1	7	48	000.5126	16
18	4	1	7	49	000.1126	16
18	4	1	8	50	003.0198	16
18	4	1	4	51	000.7234	16
18	4	1	9	52	041.7413	16
18	4	1	7	53	000.1728	16
18	4	1	8	54	003.2886	16
18	4	1	2	55	023.0620	16
18	4	2	0	0	016.2954	16
18	4	2	2	56	003.0584	16
18	4	2	8	57	003.3873	16
18	4	2	7	58	005.1627	16
18	4	2	8	59	001.3841	16
18	4	2	3	60	000.6737	16
18	4	2	9	61	002.8917	16

		FLOW	4			
16	4	0	2	8	000.1125	1
16	4	0	2	9	000.6263	1
16	4	0	7	10	000.1490	1
16	4	0	7	11	000.0761	1
16	4	0	7	12	000.0805	1
16	4	0	1	13	008.9579	1
16	4	0	1	14	001.1012	1
16	4	0	9	22	011.1615	1
16	4	1	0	0	012.7598	16
16	4	1	1	15	006.0674	16
16	4	1	5	16	000.1113	16
16	4	1	6	17	000.1435	16
16	4	1	9	18	006.4376	16
16	4	2	0	0	012.7662	16
16	4	2	1	19	003.2113	16
16	4	2	4	20	000.5983	16
16	4	2	9	21	008.9524	16
17	4	0	0	0	011.0410	1
17	4	0	7	1	000.1082	1
17	4	0	7	2	000.0603	1
17	4	0	2	3	000.6191	1
17	4	0	4	4	000.1258	1
17	4	0	7	5	000.3356	1
17	4	0	7	6	000.1251	1
17	4	0	7	7	000.2364	1
17	4	0	7	8	000.0100	1
17	4	0	7	9	000.0048	1
17	4	0	7	10	000.1043	1
17	4	0	8	13	000.1365	1
17	4	0	7	14	000.1166	1
17	4	0	2	15	000.0382	1
17	4	0	8	16	000.2467	1
17	4	0	1	17	008.8291	1
18	4	0	0	0	024.7089	1
18	4	0	8	1	000.2436	1
18	4	0	7	2	000.1250	1
18	4	0	8	3	000.0152	1
18	4	0	7	4	000.0400	1
18	4	0	7	5	000.0800	1
18	4	0	7	6	000.1278	1
18	4	0	7	7	000.0243	1
18	4	0	7	8	000.0084	1
18	4	0	7	9	000.2094	1
18	4	0	8	10	000.2086	1
18	4	0	7	11	000.0701	1
18	4	0	7	12	000.0734	1
18	4	0	8	13	000.4637	1
18	4	0	7	14	000.0740	1
18	4	0	7	15	000.0266	1
18	4	0	8	16	000.0324	1
18	4	0	7	17	000.1280	1
18	4	0	7	18	000.0413	1
18	4	0	8	19	000.1486	1
18	4	0	7	20	000.2909	1
18	4	0	7	21	000.0176	1
18	4	0	7	22	000.3369	1
18	4	0	7	23	000.0126	1
18	4	0	7	24	000.0119	1
18	4	0	7	25	000.4708	1