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A68
no.4097

[Presentation about Susitna River fish species presented by Douglas Vincent-Lang : printouts of overhead transparencies].

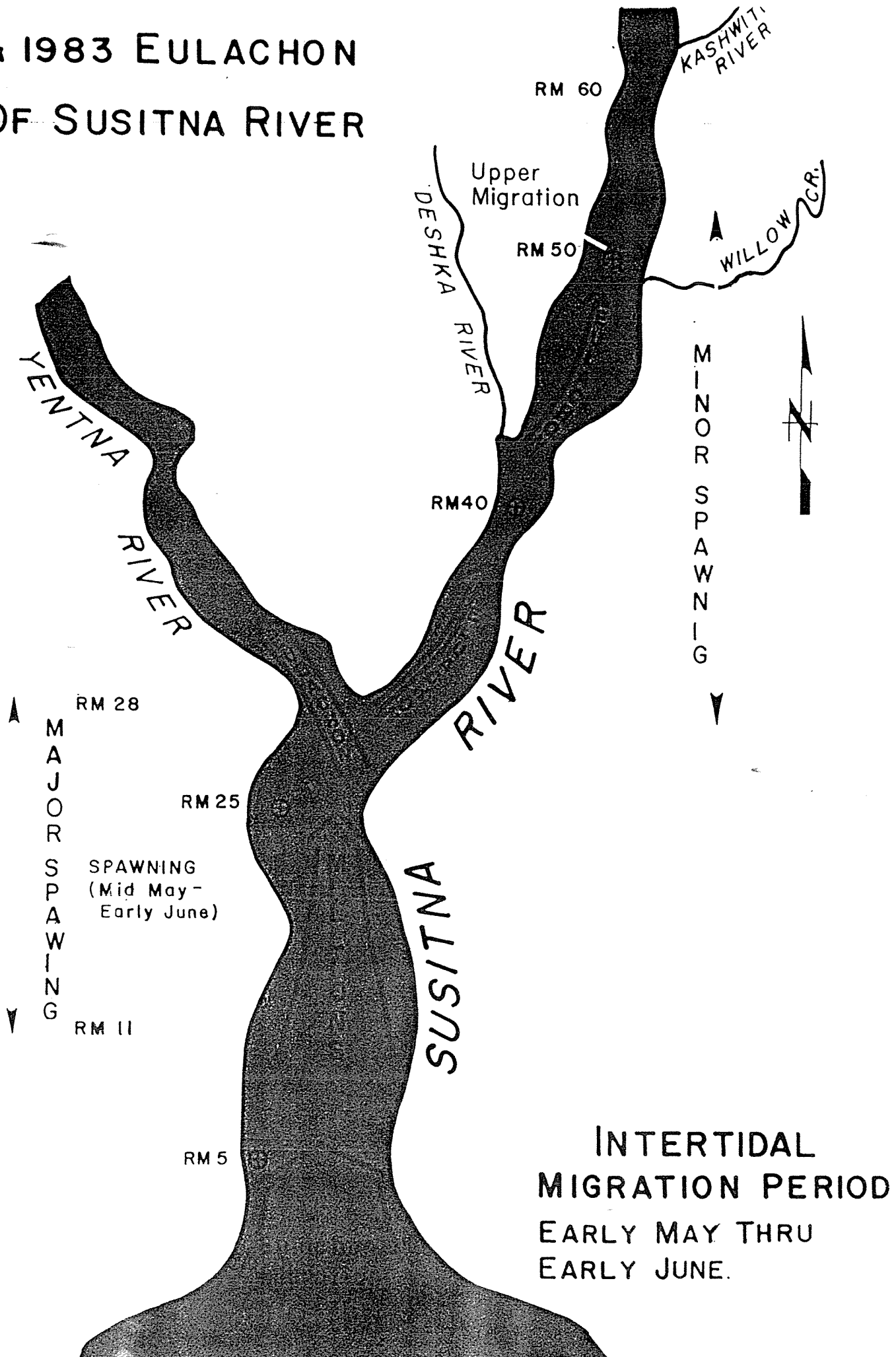
Title supplied by cataloger.

The first twenty-one sheets are identical to sheets 5 to 25 (they are unnumbered) in another presentation handout, *Handout Materials, Susitna Agency Workshop 1, Instream Flow Studies, February 15*, by E. Marchegiani and T. Arminski, numbered APA 4097.

The writing in the diagrams:

Sheet	
1	"Eulachon" appears in the Yentna River and upper Susitna River and at the mouth of the river. Between river miles 5 and 25 is "Millions"
4, 8, 12, 16, 20	"Fish spawning above RM 120"
22	Top arrow pointing up: "Spawning $\approx$ 75%" Bottom arrow pointing up: "1983 escapement to RM 120 = 10,000 fish"
23	Top arrow pointing up: "Spawning $\approx$ 70%" Bottom arrow pointing up: "1983 escapement to RM 120 = 1,900 fish" Arrow pointing down on right: "Milling (Spawning below RM 120) $\approx$ 30%"
24	Top arrow pointing up: "Spawning $\approx$ 75%" Bottom arrow pointing up: "1983 escapement to RM 120 = 5,500 fish" Arrow pointing down on right: "Milling (Spawning below RM 120) $\approx$ 25%"
25	Top arrow pointing up: "Spawning $\approx$ 60%" Bottom arrow pointing up: "1983 escapement to RM 120 = 21,100 fish" Arrow pointing down on right: "Milling (Spawning below RM 120) $\approx$ 40%"
26	Top arrow pointing up: "Spawning $\approx$ 60%" Bottom arrow pointing up: "1983 escapement to RM 120 = 800 fish" Arrow pointing down on right: "Milling (Spawning below RM 120) $\approx$ 40%"

1982 & 1983 EULACHON USE OF SUSITNA RIVER



CONTRIBUTION
OF SUSITNA RIVER TO
UPPER COOK INLET

COMMERCIAL CHINOOK SALMON CATCH:

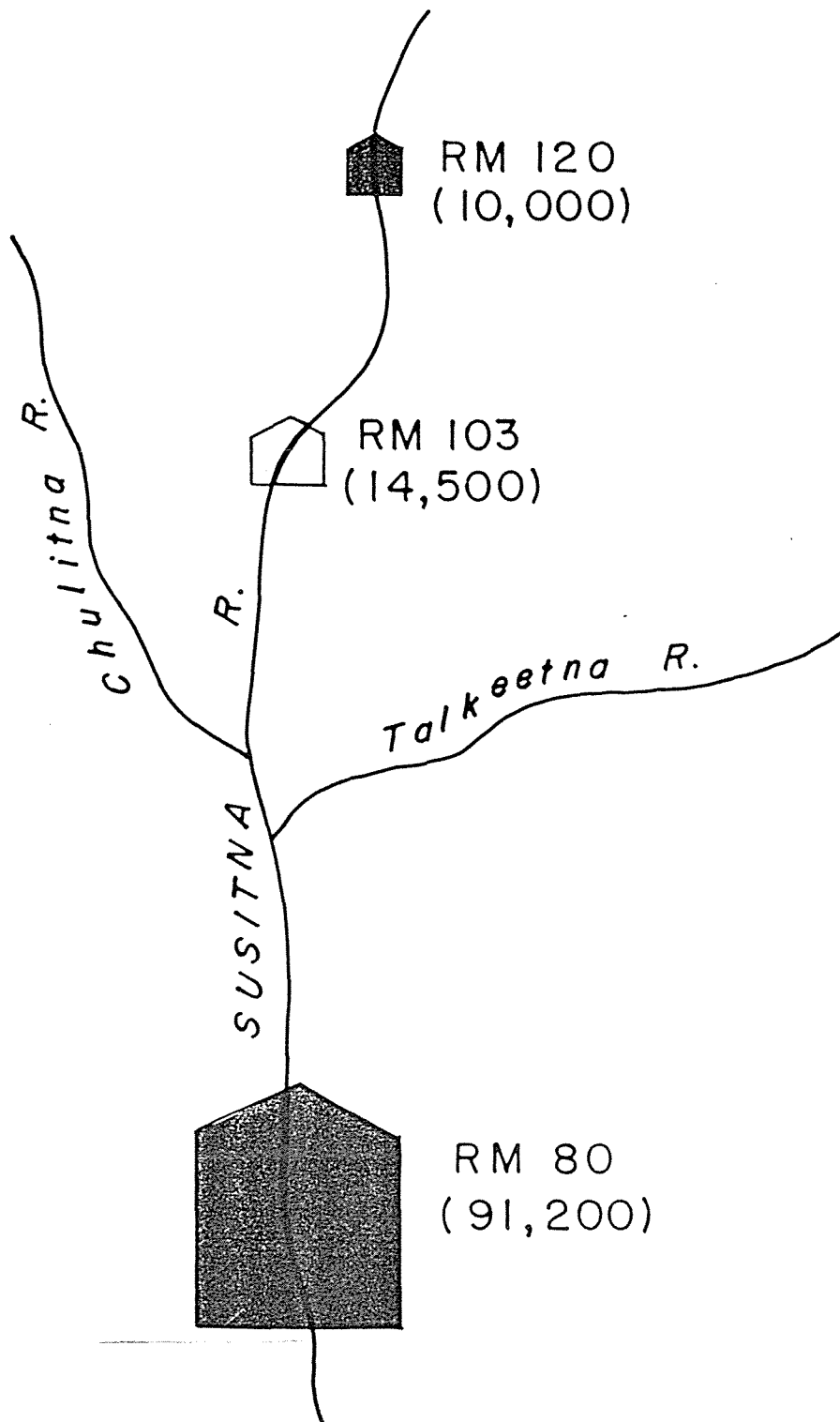
$\approx 10\%$

1983 HARVEST (PRE.) $\approx$ 19 THOUSAND

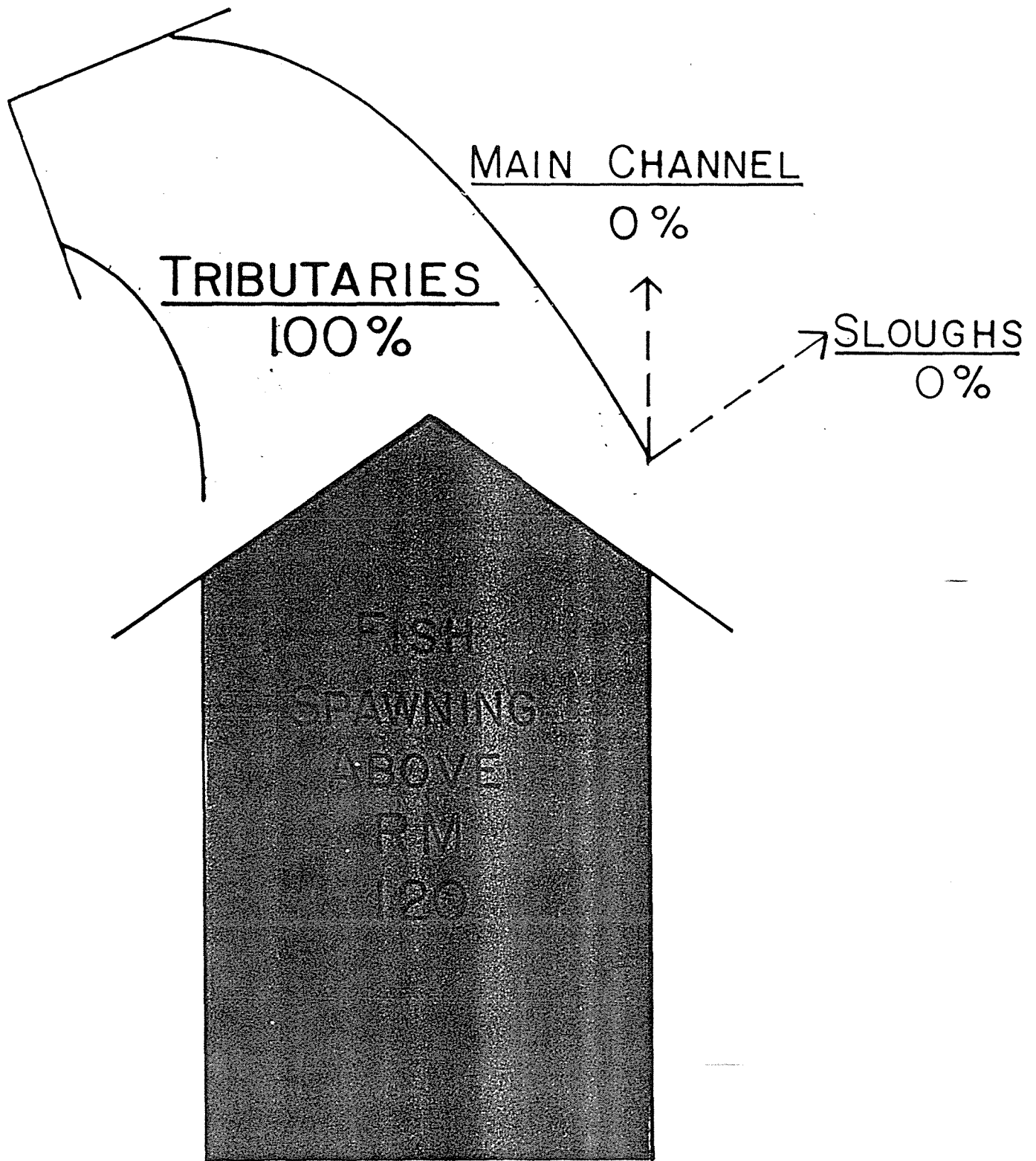
10 YEAR AVERAGE (74-83) $\approx$ 13 THOUSAND

$\downarrow$
BASED ON PROFESSIONAL JUDGEMENT

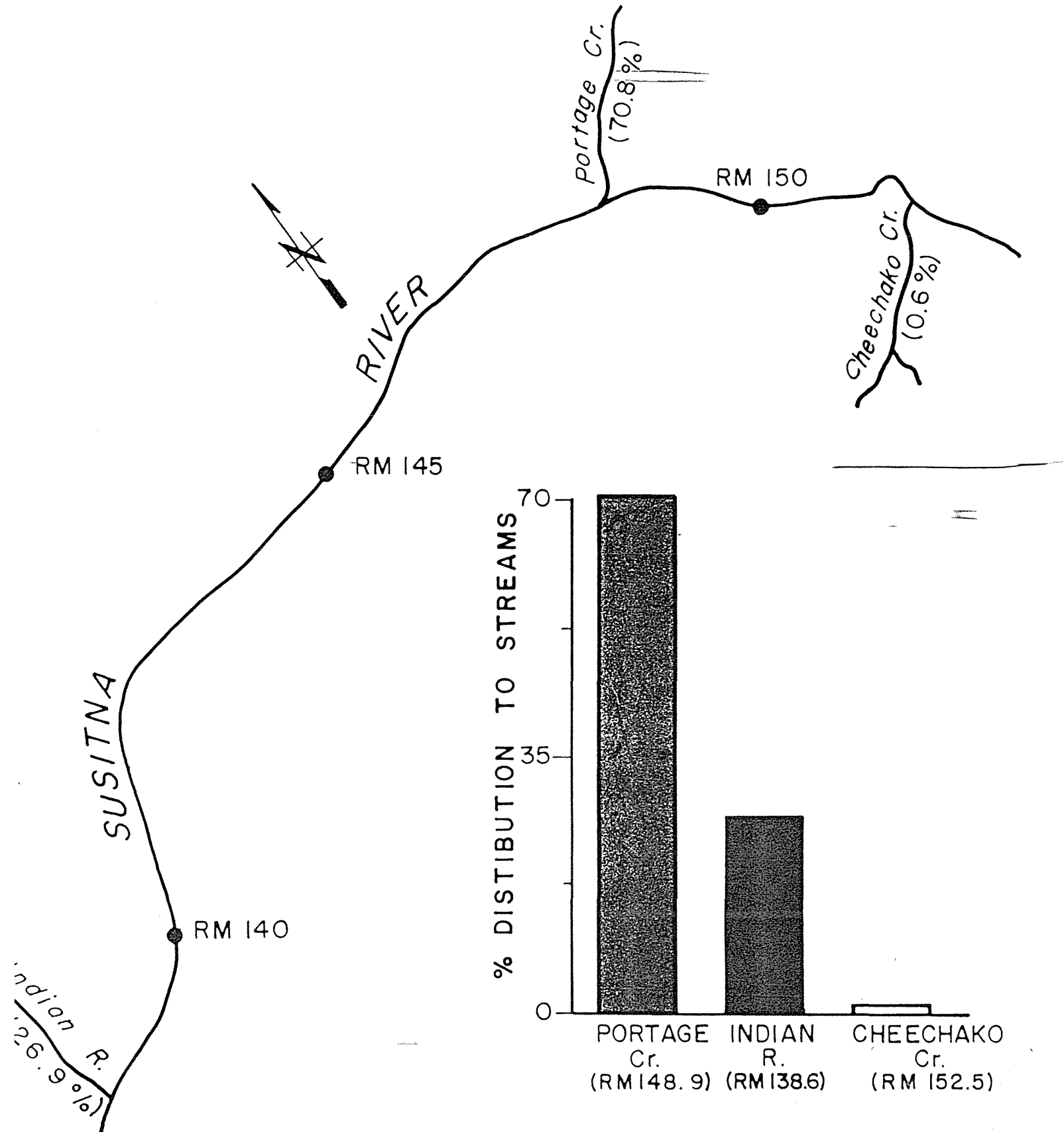
SUSITNA 1983 CHINOOK ESCAPEMENT



1983 CHINOOK SPAWNING AREAS



983 MAJOR CHINOOK SALMON SPAWNING STREAMS ABOVE RM 98.6



CONTRIBUTION
OF SUSITNA RIVER TO
UPPER COOK INLET

COMMERCIAL SOCKEYE SALMON CATCH:

— $\approx 10-30\%$

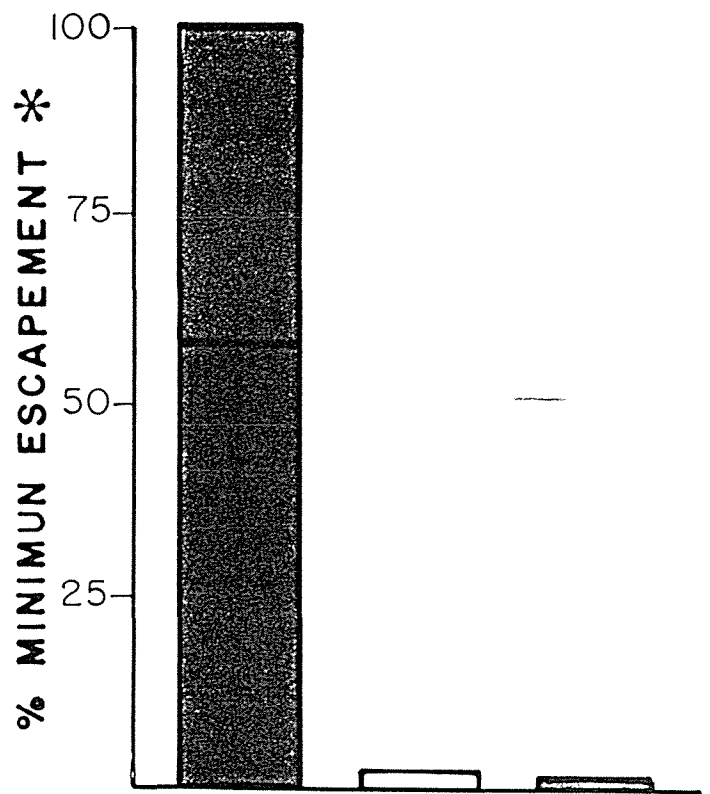
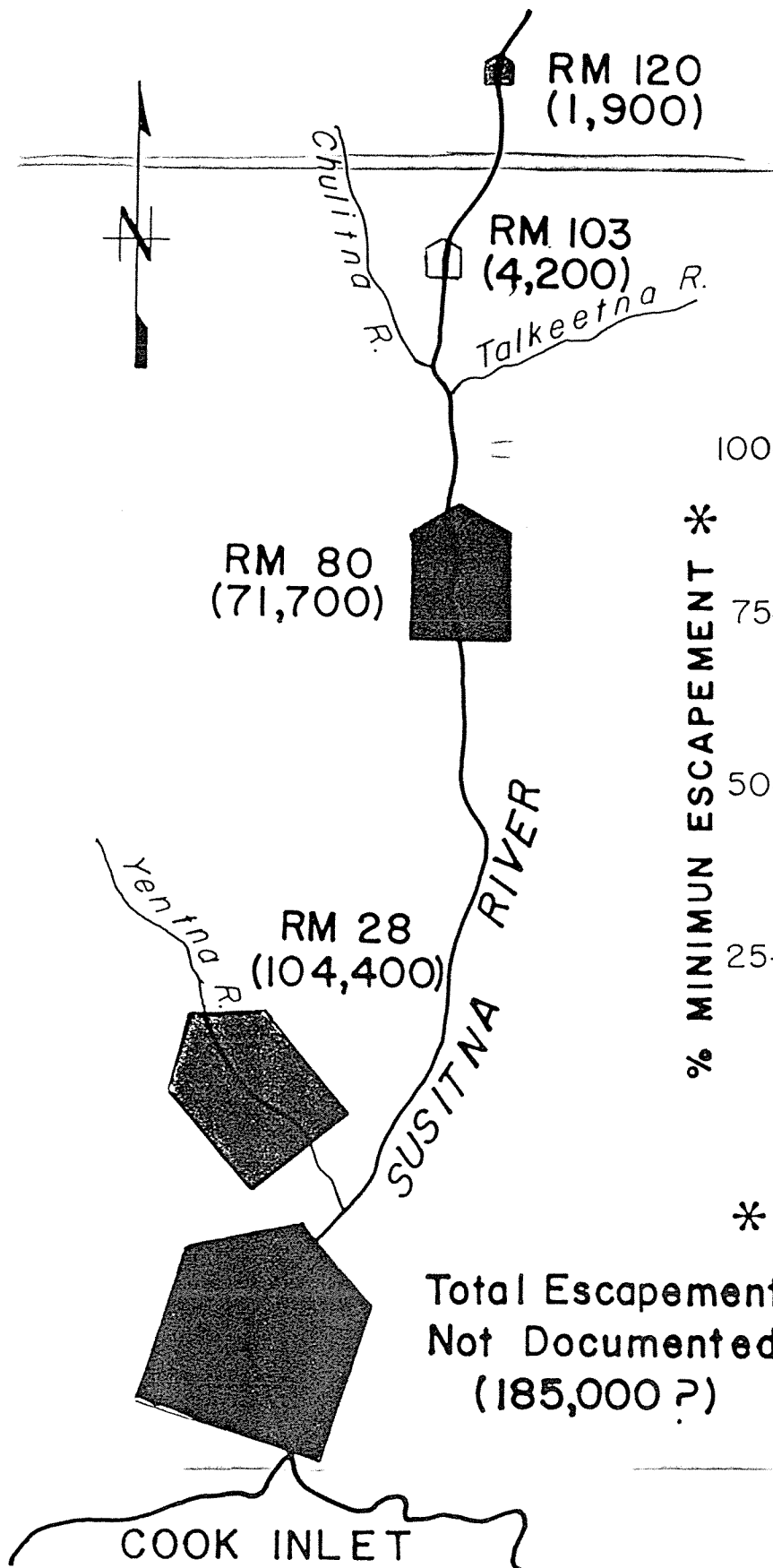
1983 HARVEST (PRE.) ≈ 4.8 MILLION

10 YEAR AVERAGE (74-83) ≈ 2.0 MILLION

$\downarrow$
BASED ON PROFESSIONAL JUDGEMENT

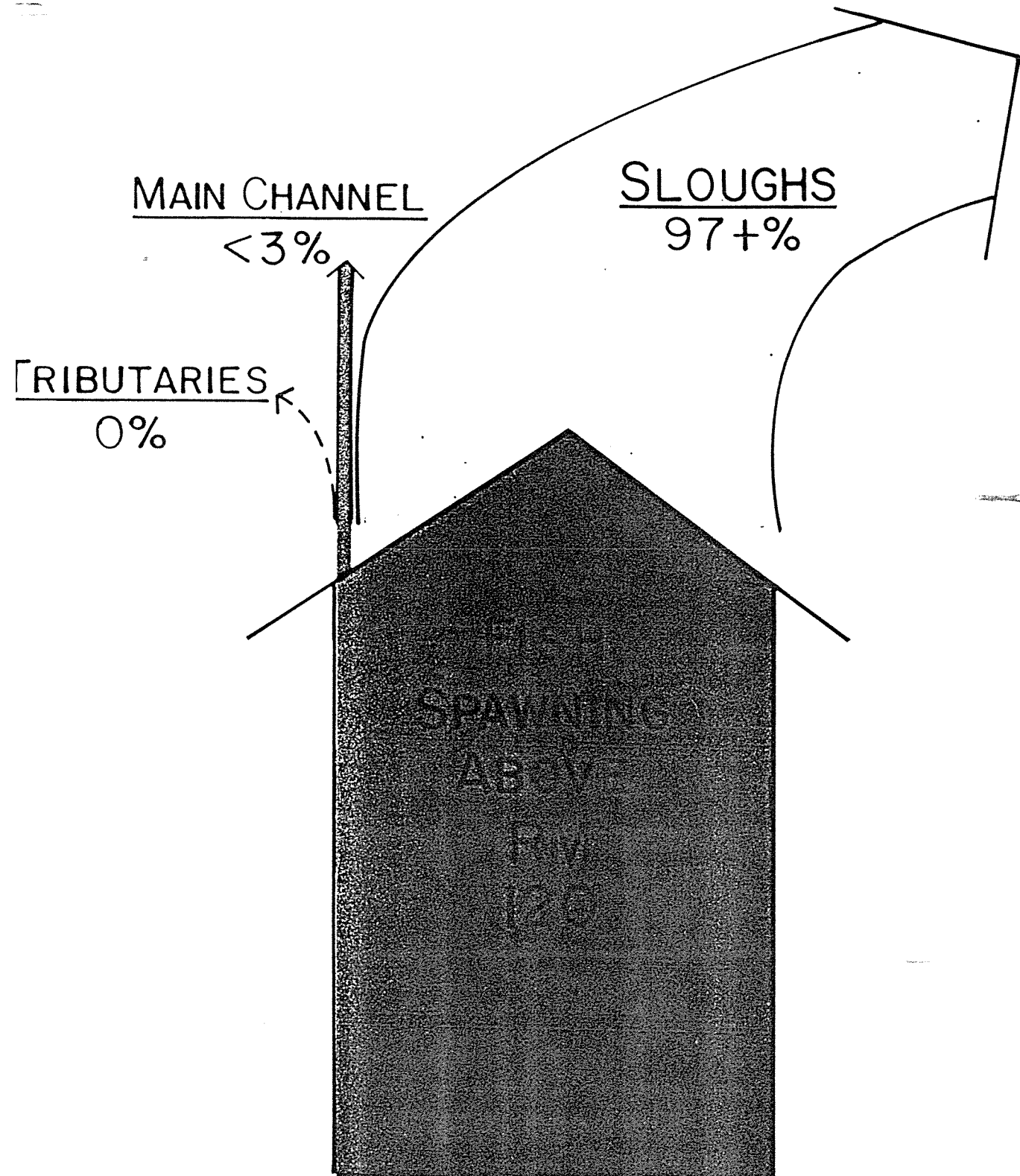
SUSITNA 1983

SOCKEYE ESCAPEMENT

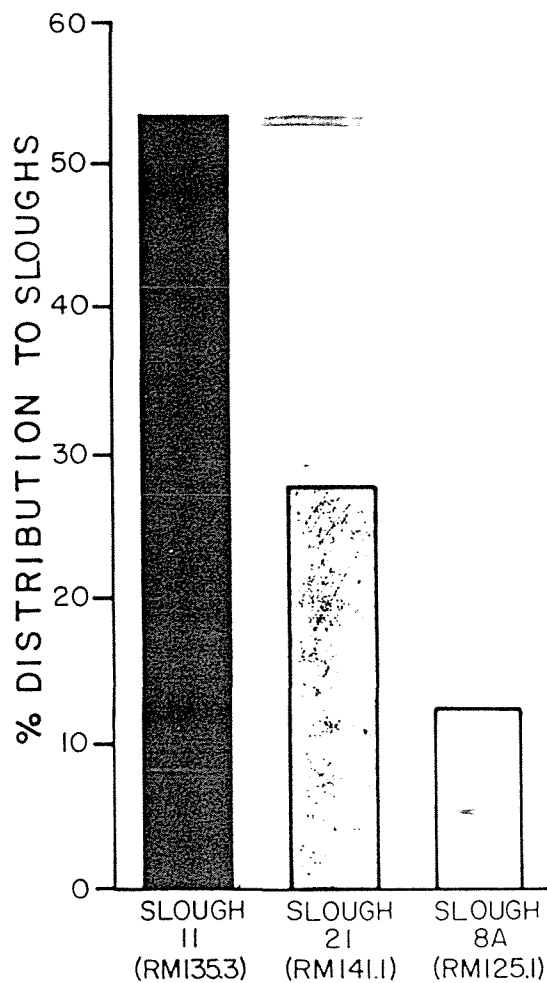
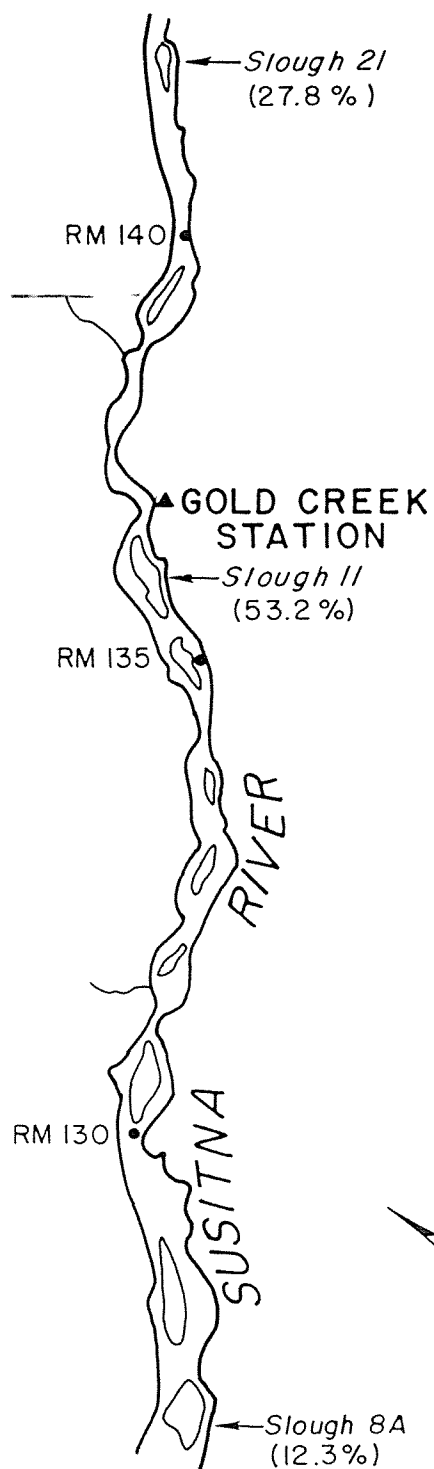


* Min. Escapement=Yentna River
Plus Above RM 80

1983 SOCKEYE SPAWNING AREAS



1983 SECOND RUN SOCKEYE SALMON SPAWNING SLOUGHS ABOVE RM 98.6



CONTRIBUTION
OF SUSITNA RIVER TO
UPPER COOK INLET

COMMERCIAL PINK SALMON CATCH:

≈ 80-90% _↓

1982 HARVEST (PRE.) ≈ 790 THOUSAND

1983 HARVEST (PRE.) ≈ 80 THOUSAND

10 YEAR AVERAGES (63-83)

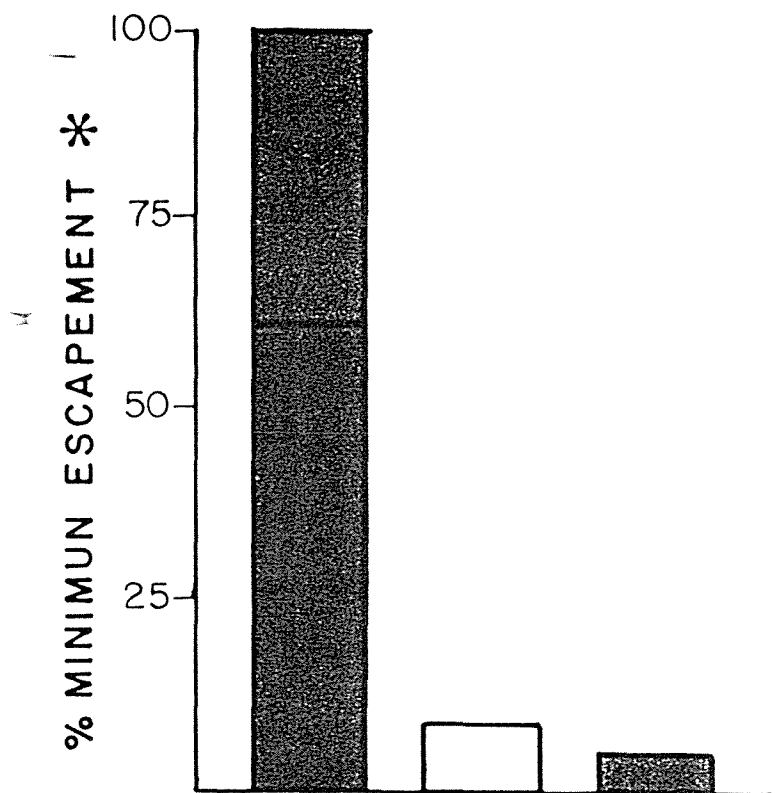
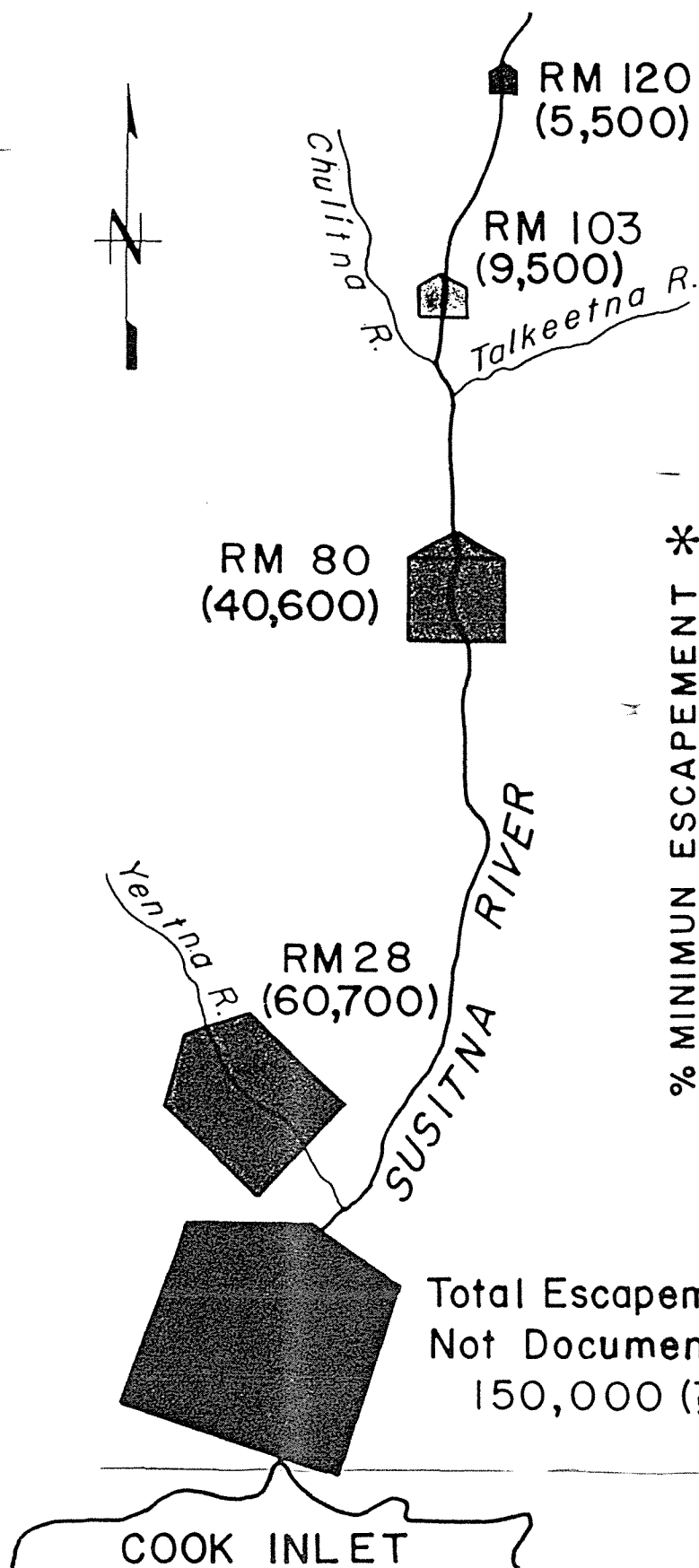
-EVEN YEAR ≈ 1.5 MILLION

-ODD YEAR 165 THOUSAND

_↓ BASED ON PROFESSIONAL JUDGEMENT

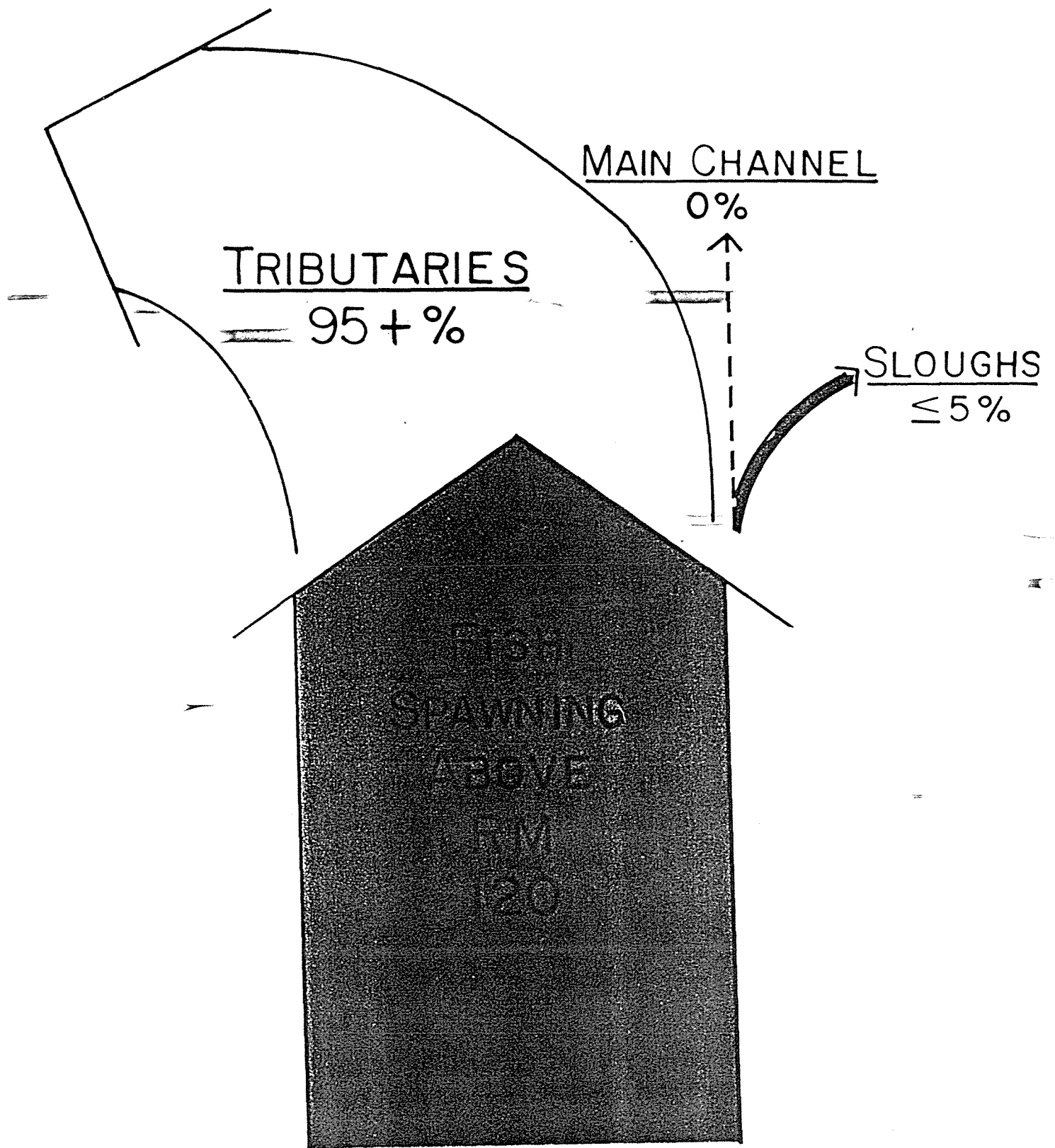
SUSITNA 1983

PINK ESCAPEMENT

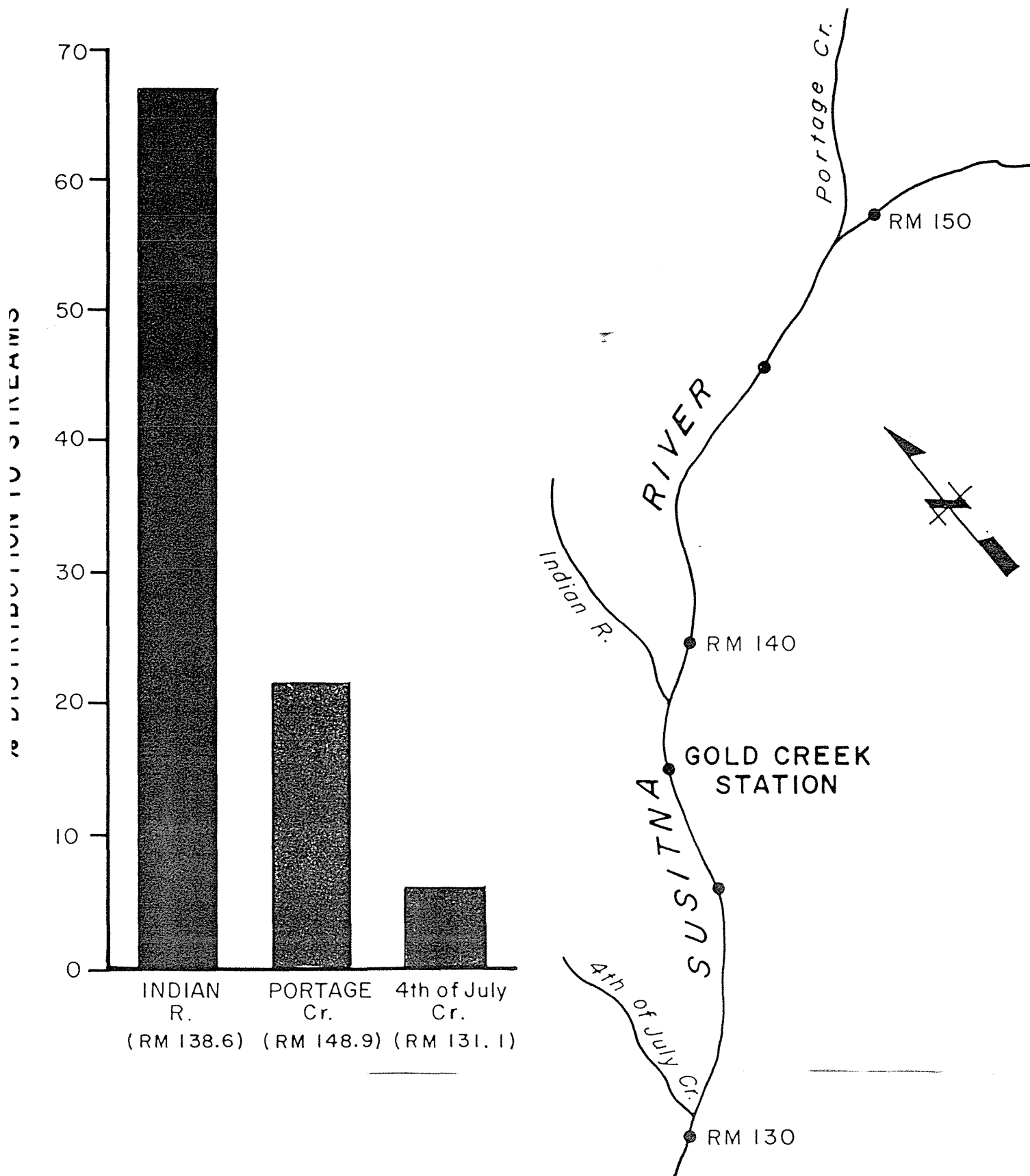


* Min. Escapement = Yentna River
Plus Above RM 80

1983 PINK SPAWNING AREAS



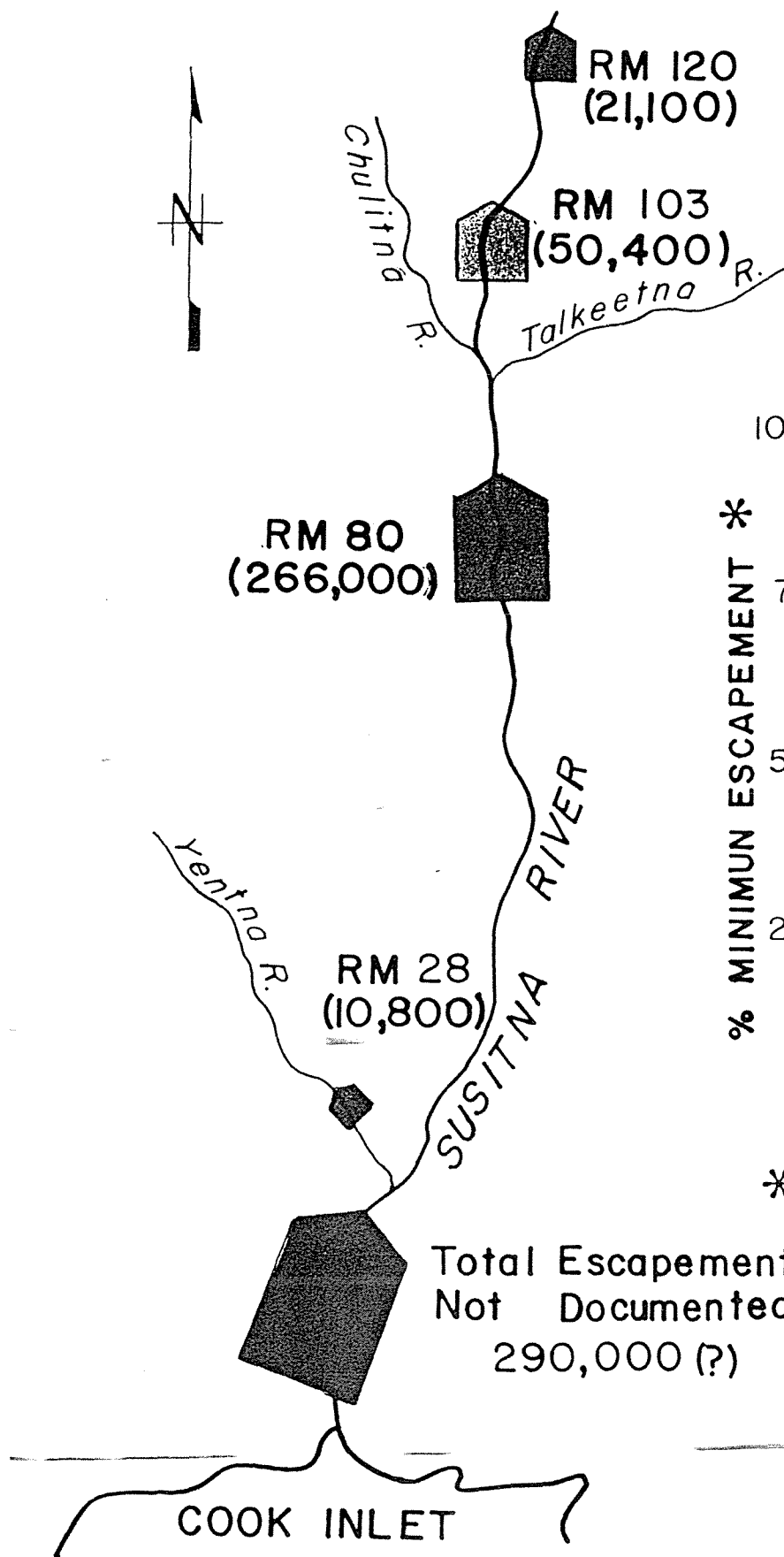
1983 MAJOR PINK SALMON SPAWNING STREAMS ABOVE RM 98.6



COMMERCIAL CHUM SALMON CATCH:

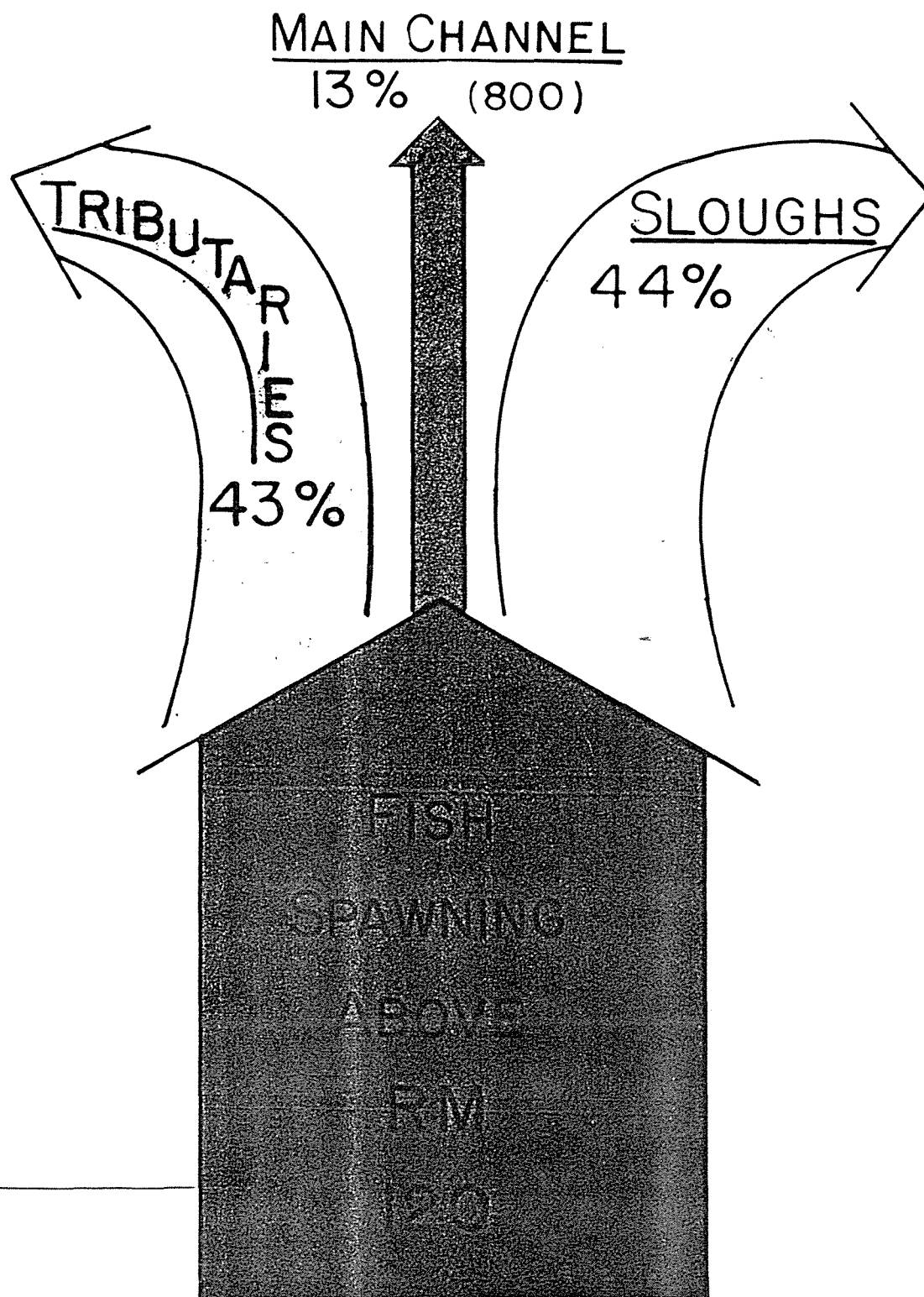
↓
BASED ON PROFESSIONAL JUDGEMENT

SUSITNA 1983 CHUM ESCAPEMENT

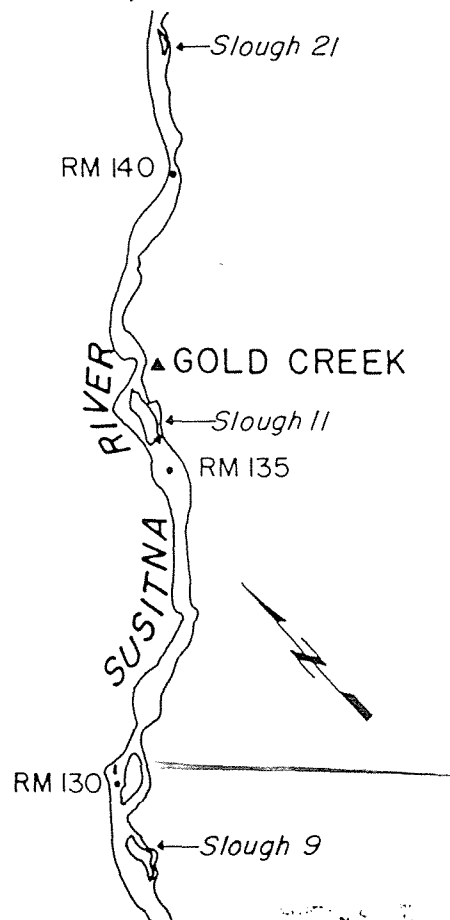
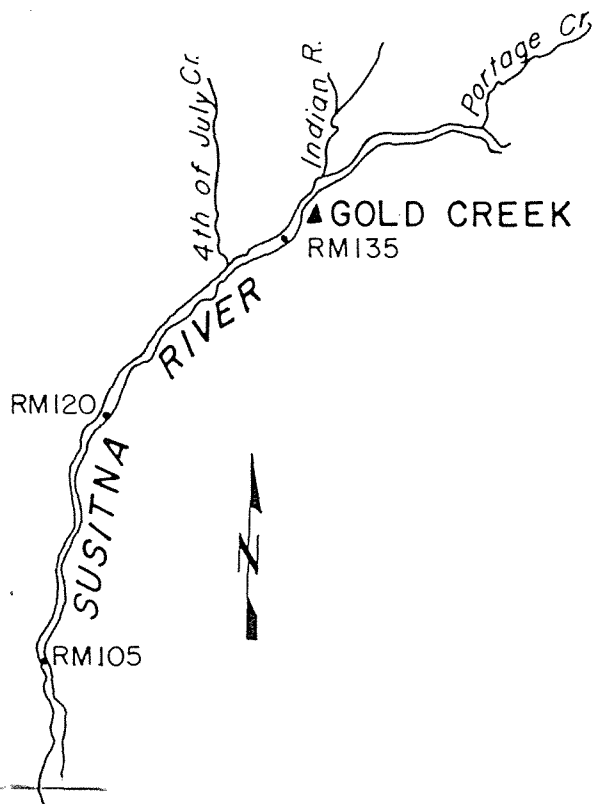
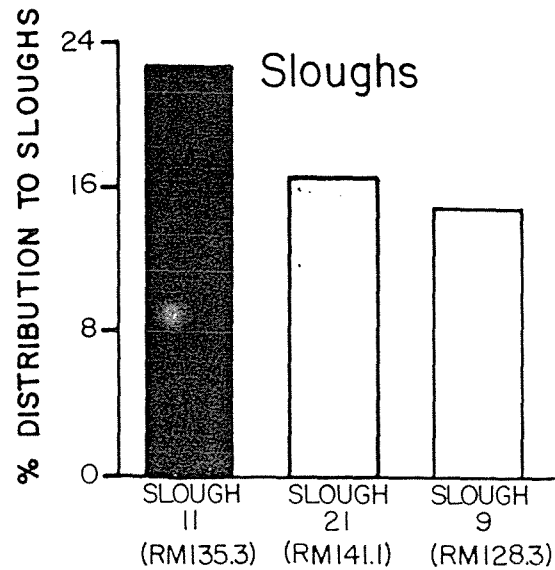
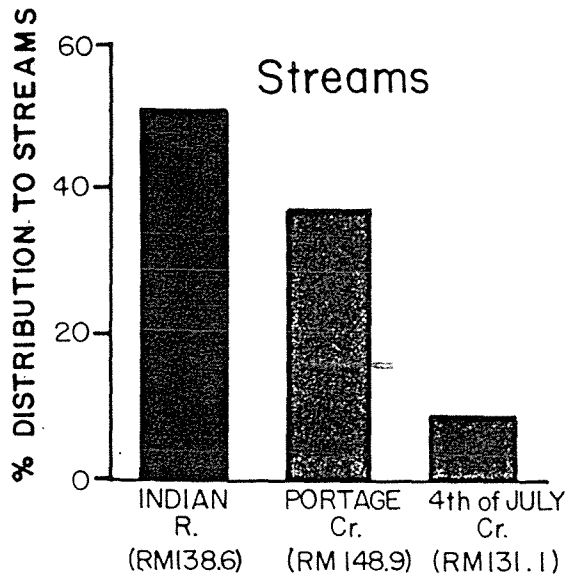


* Min. Escapement = Yentna River
Plus Above RM 80

1983 CHUM SPAWNING AREAS



1983 MAJOR CHUM SALMON SPAWNING AREAS ABOVE RM 98.6



CONTRIBUTION
OF SUSITNA RIVER TO
UPPER COOK INLET

COMMERCIAL COHO SALMON CATCH:

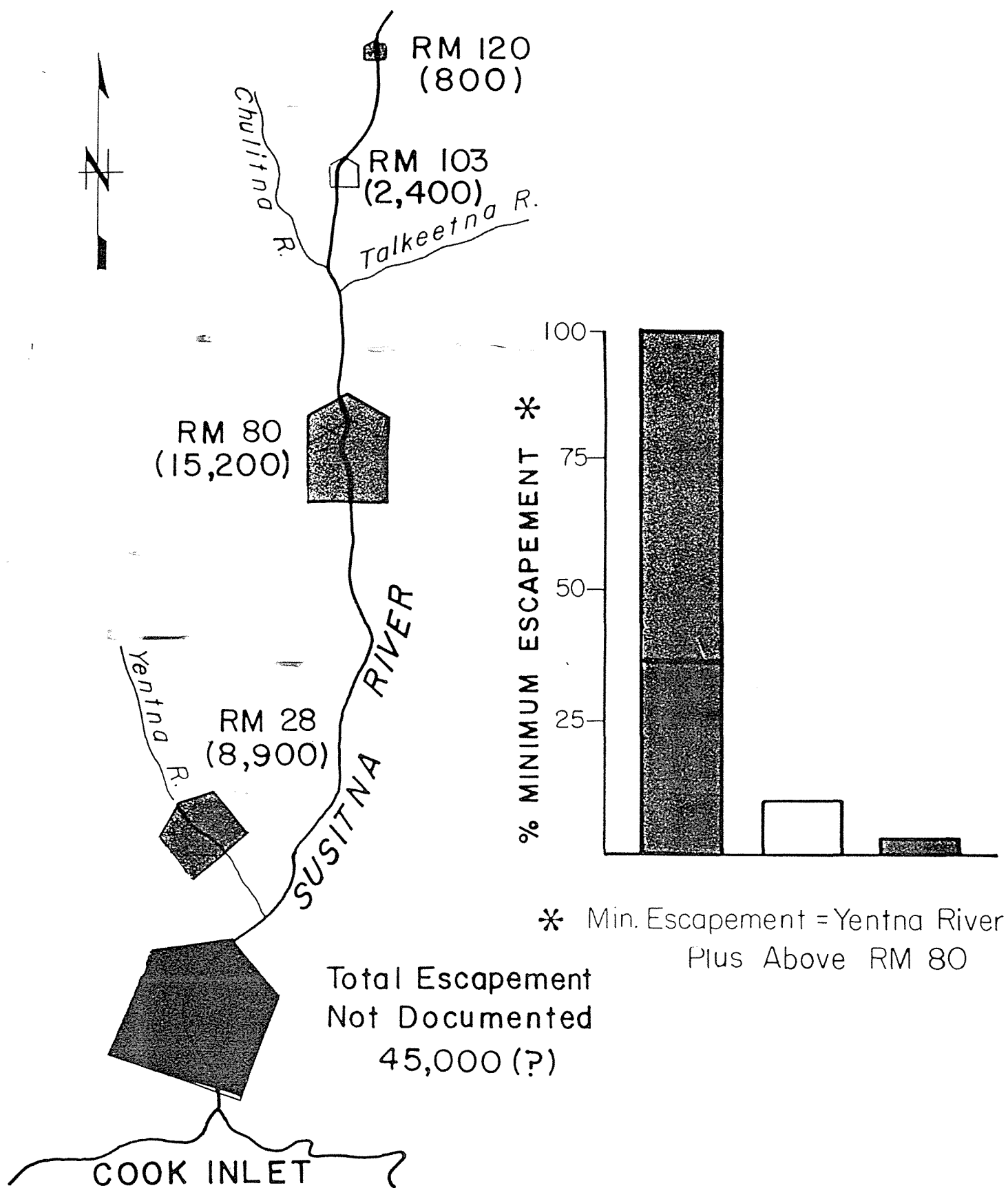
$\approx 50\%$ [✓] =

1983 HARVEST (PRE.) $\approx$ 500 THOUSAND

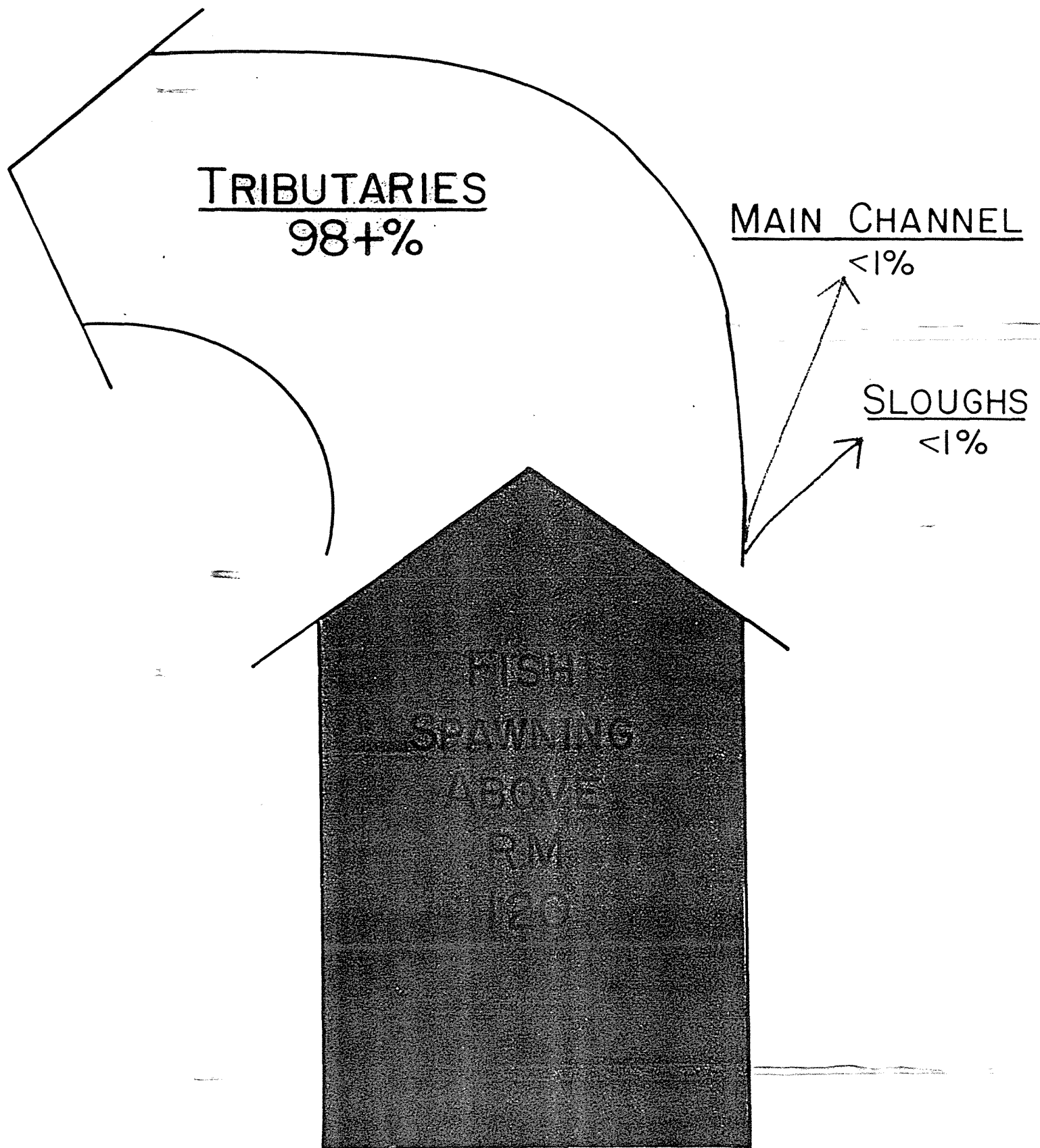
10 YEAR AVERAGE (74-83) $\approx$ 340 THOUSAND

[✓]
BASED ON PROFESSIONAL JUDGEMENT

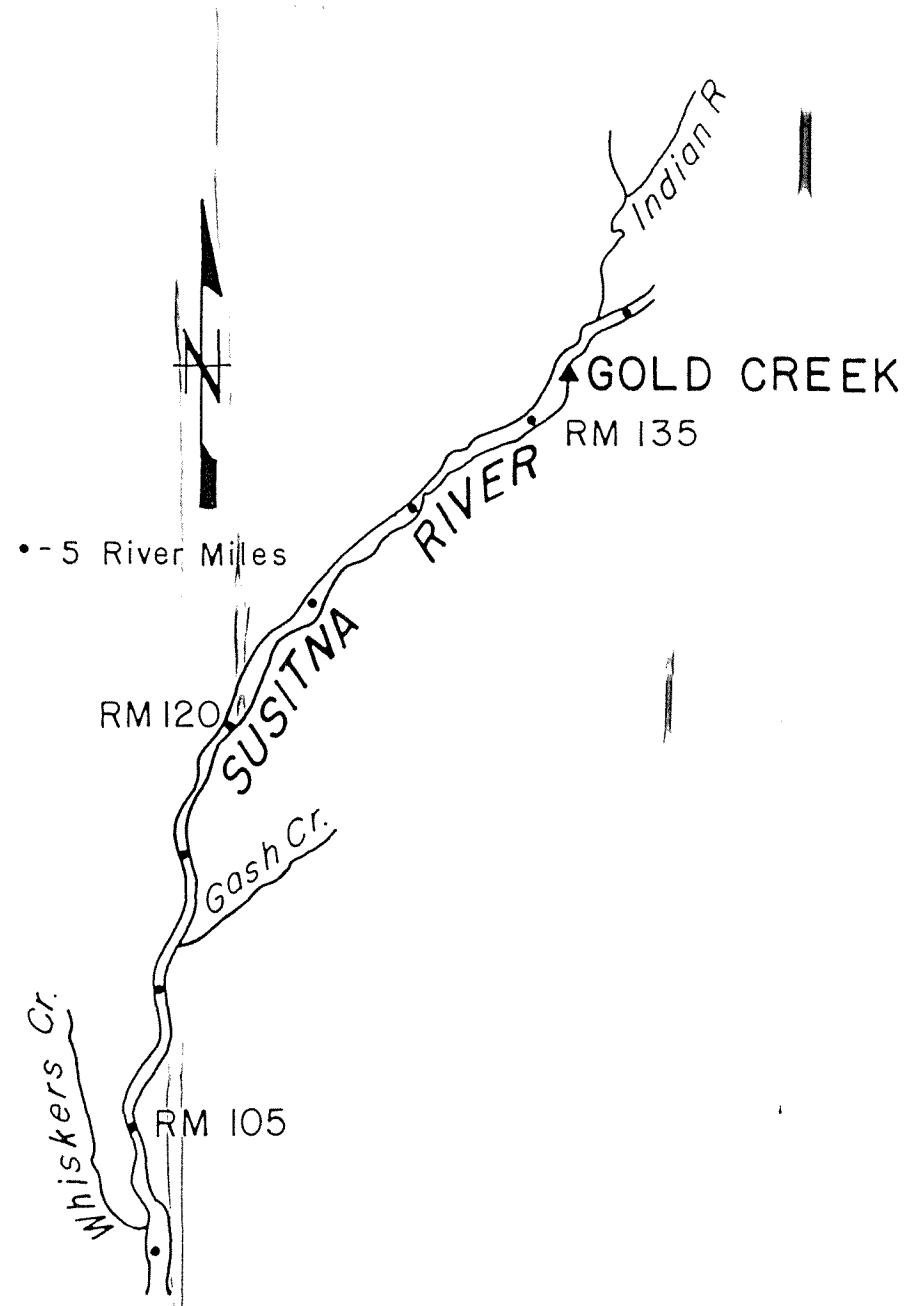
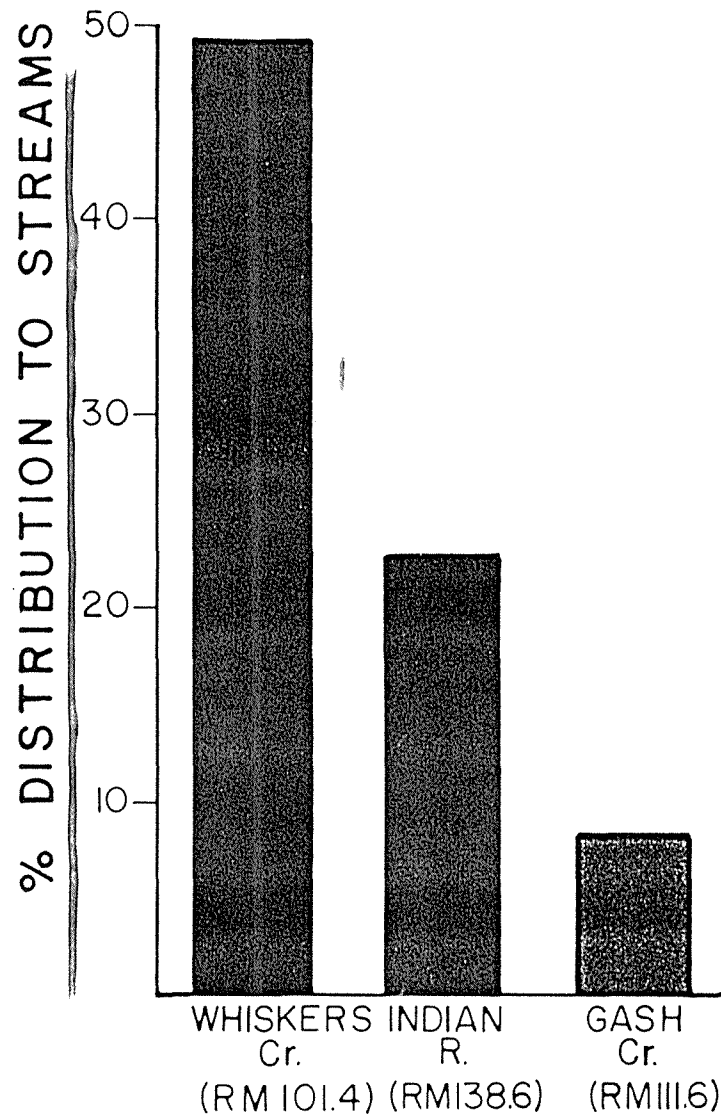
SUSITNA 1983 COHO ESCAPEMENT



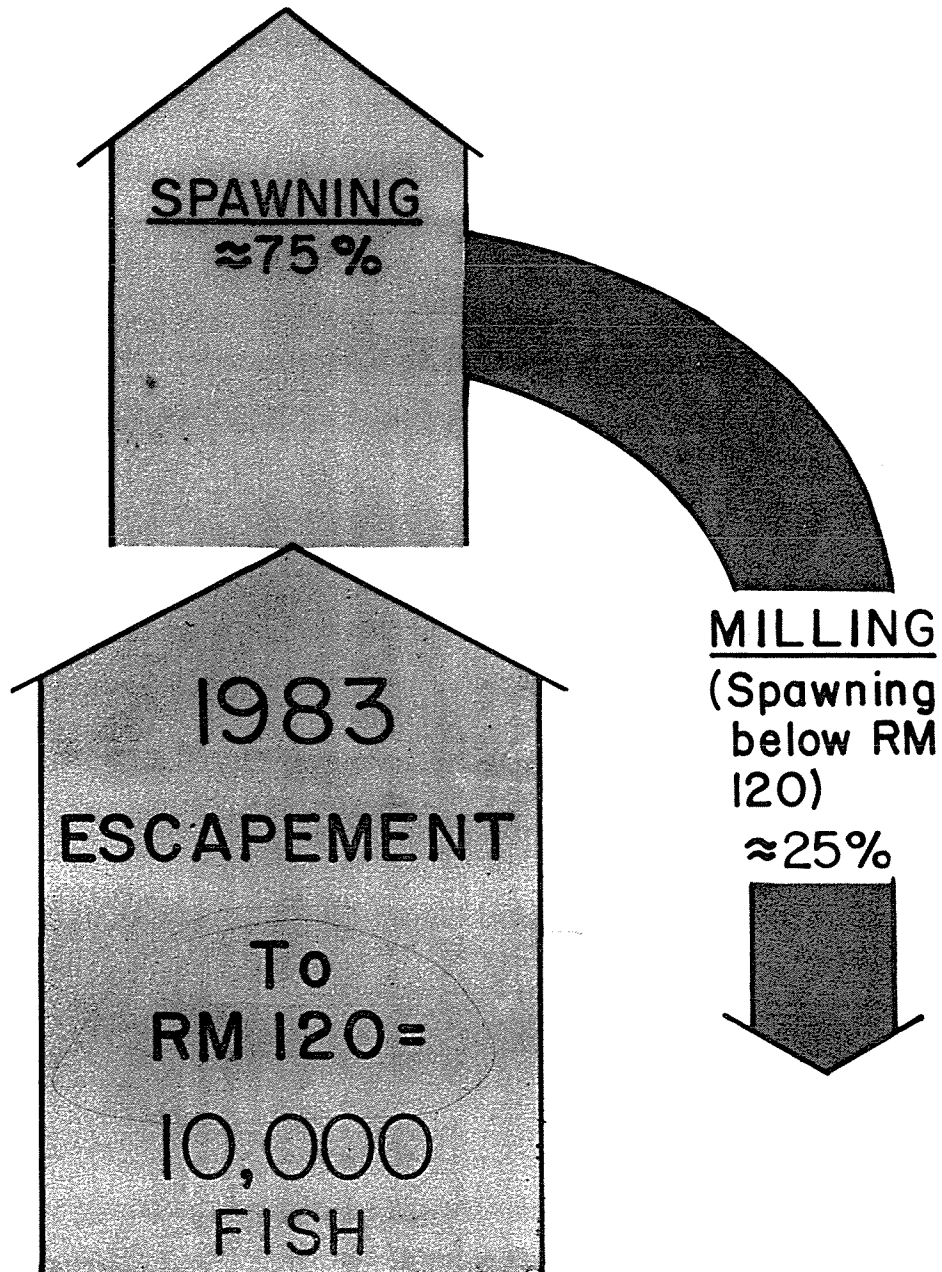
1983 COHO SPAWNING AREAS



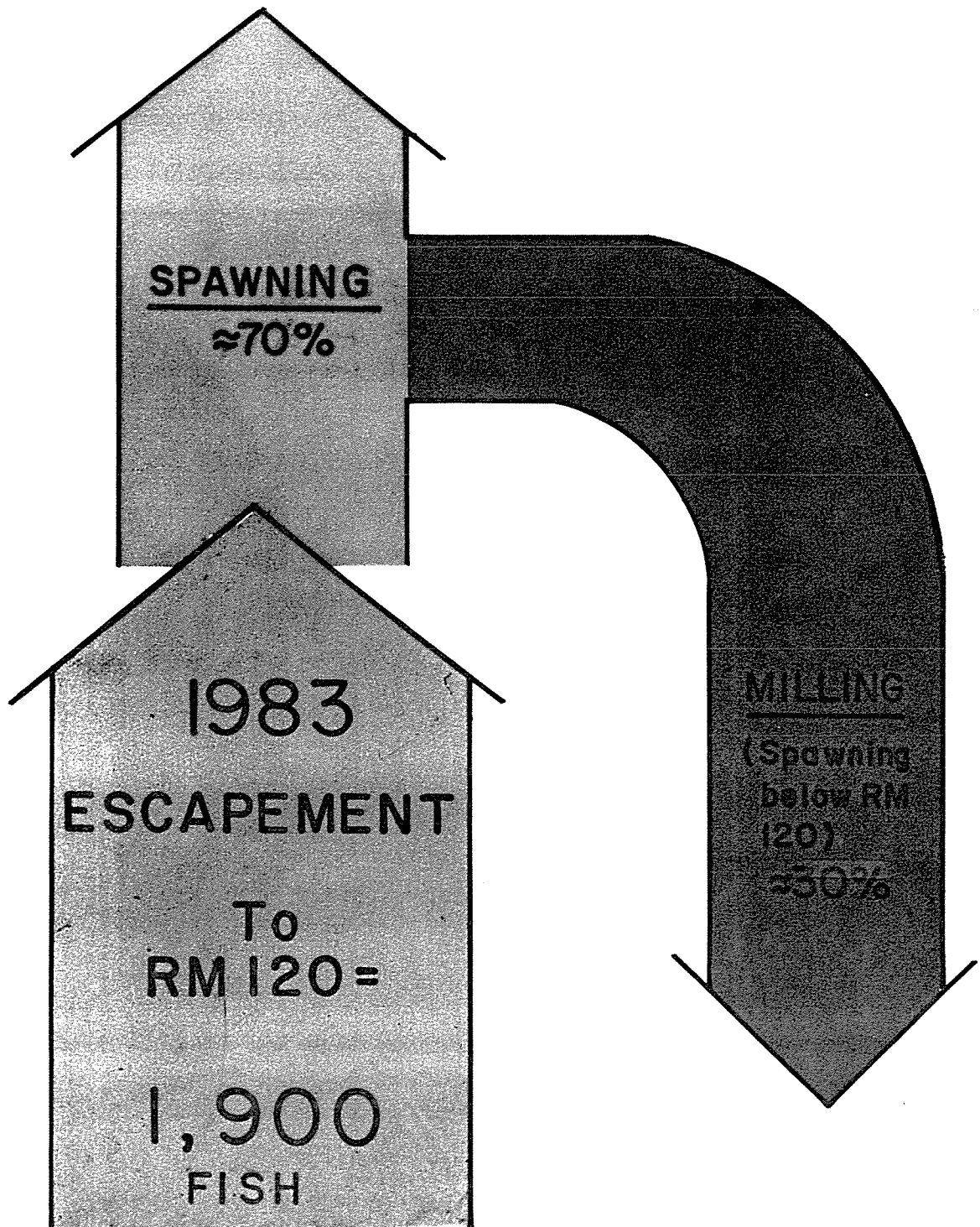
1983 MAJOR COHO, SALMON SPAWNING STREAMS ABOVE RM 98.6



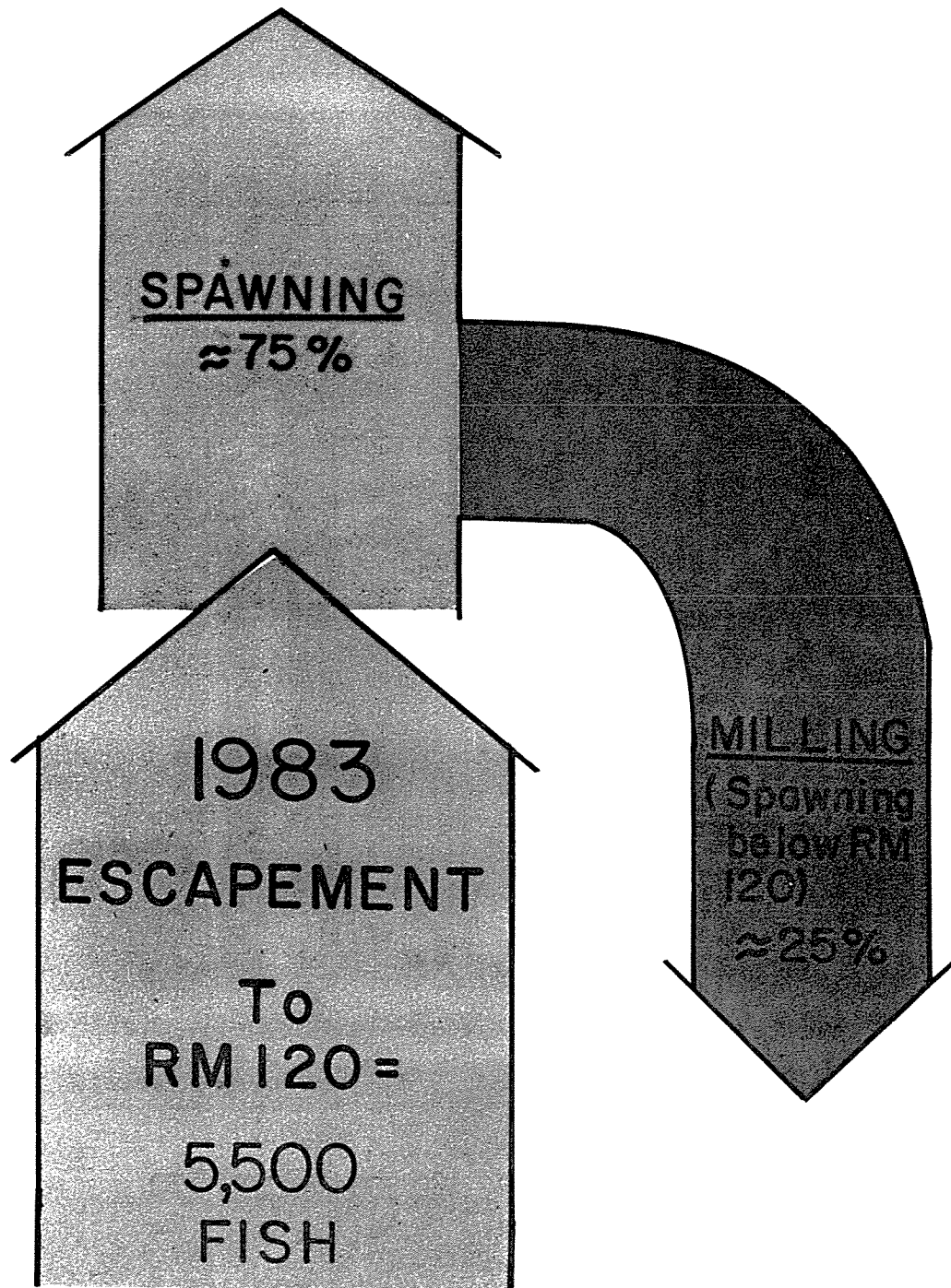
1983 CHINOOK SALMON



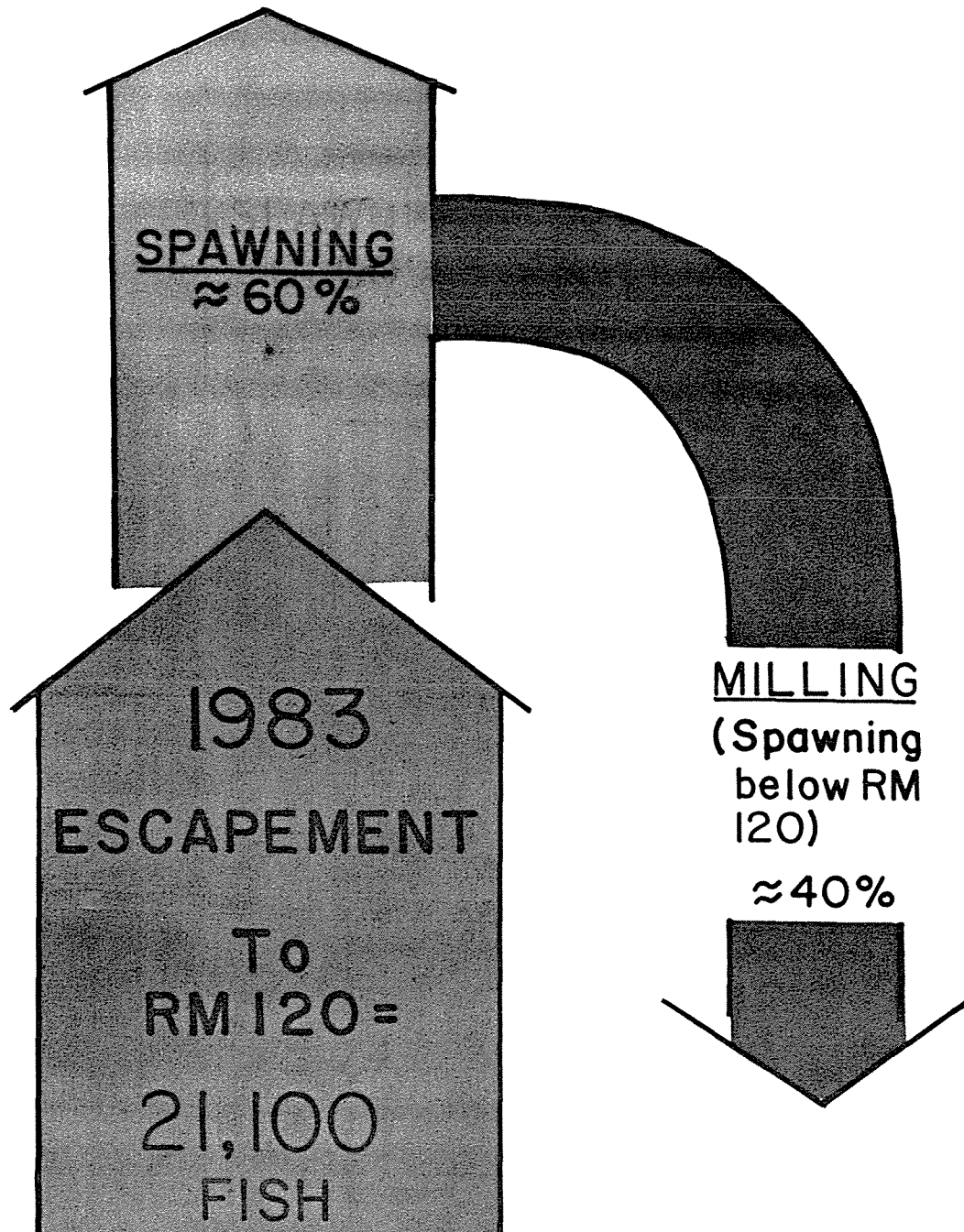
1983 SOCKEYE SALMON



1983 PINK SALMON



1983 CHUM SALMON



1983 COHO SALMON

