

Table 4-1: Data for Sediment Deposition in Outermost Cook Inlet and the Shelikof Strait

Zone	Area (10^{12} cm^2)	Sediment Accumulation Rate ($\text{gcm}^{-2} \text{ y}^{-1}$)	Total Sediment Deposition (10^6 tons y^{-1})
0	70	0.12	8
1	39	0.24	9
2	37	0.60	22
3	45	0.35	16
4	20-40	0.40	8-16
Total	211-231	--	63-71

Table 4-2: Metal/Metal Ratios for Bottom and Suspended Sediment from Area Rivers

Sample	Ni/Be	Fe/Zn	Sn/Sb	Pb/Tl	V/Zn
Susitna River					
Bottom Sediment	25.3	340	1.32	24.8	1.13
Suspended Sediment	23.1	372	1.33	23.7	1.22
Average	24.2	356	1.32	24.2	1.18
Knik River					
Suspended Sediment	28.5	582	0.98	38.1	1.81
Matanuska River					
Suspended Sediment	0	318	1.83	37.0	1.06
Average S-K-M Rivers (83:11:6)	27.3	379	1.31	26.4	1.16
Copper River					
Bottom Sediment	34.4	516	2.24	35.4	1.78
Suspended Sediment	37.2	509	2.40	37.5	1.65
Average	35.8	512	2.32	36.4	1.72

Table 4-3: Summary of Results from Model for Identifying Sediment Sources in Outermost Cook Inlet and the Shelikof Strait

Sources	Zone	n	% S-K-M River*
S-K-M Rivers Copper River	Alaska Coastal Current Sediment	4	(0)**
	0 (excluding Z0F1)	7	78 ± 26
	1	14	75 ± 30
	2	17	81 ± 24
	3	10	87 ± 8
	4	10	84 ± 8
	0, 1, 2, 3, 4	58	81 ± 22

Notes:

* Mean ± 2 standard deviations (i.e., 95% confidence interval)

** Results suggest no inputs from S-K-M Rivers, but possible inputs from source(s) other than the Copper River.