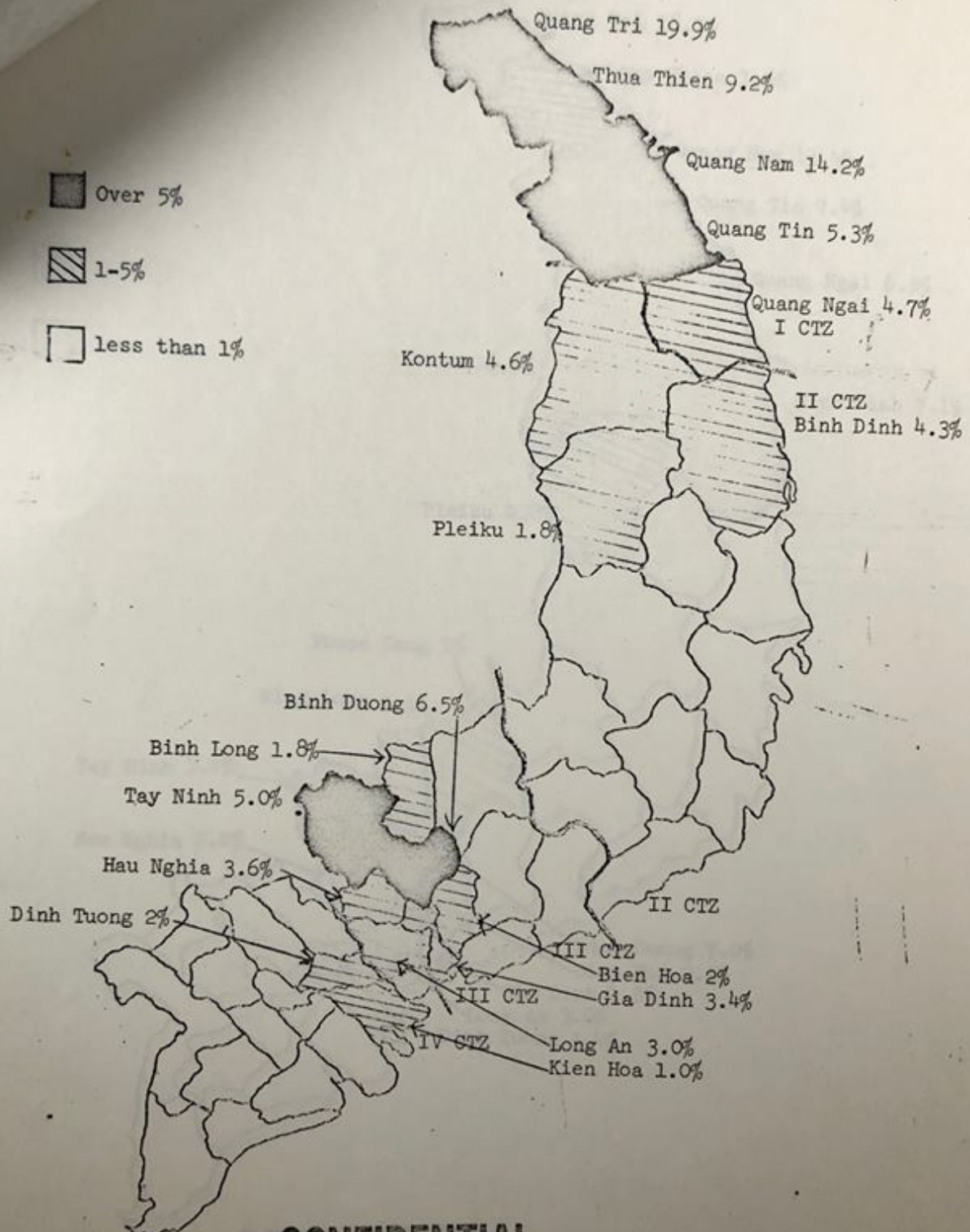


CONFIDENTIAL

MAP 1

DECLASSIFIED
Authority ND 20001

AGE DISTRIBUTION OF US KIA ATTRIBUTABLE TO PROVINCES 1967-68



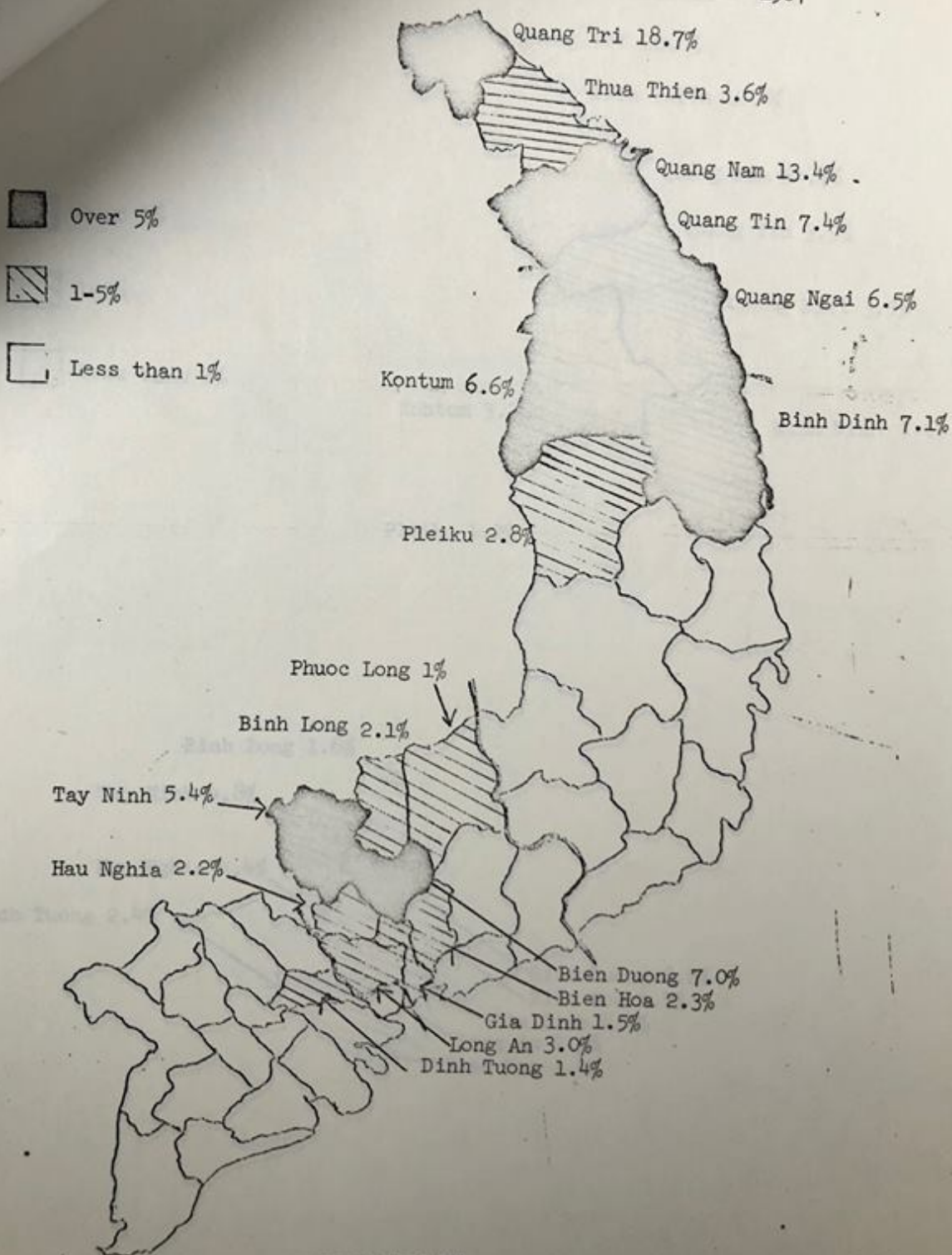
CONFIDENTIAL

CONFIDENTIAL

DECLASSIFIED
Authority NND 20001

MAP 2

DISTRIBUTION OF US KIA ATTRIBUTABLE TO PROVINCES - 1967



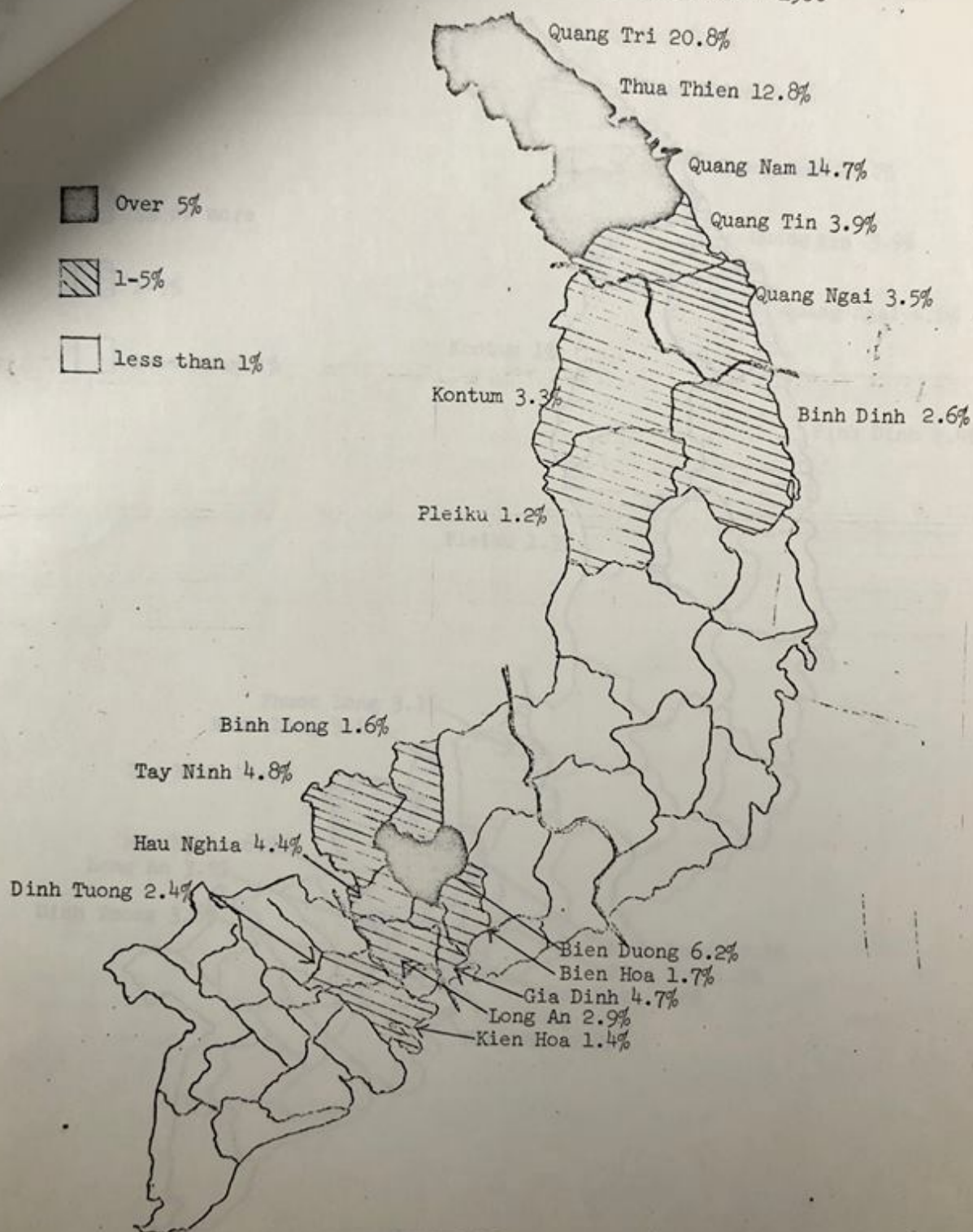
CONFIDENTIAL

CONFIDENTIAL

DECLASSIFIED
Authority NND 20001

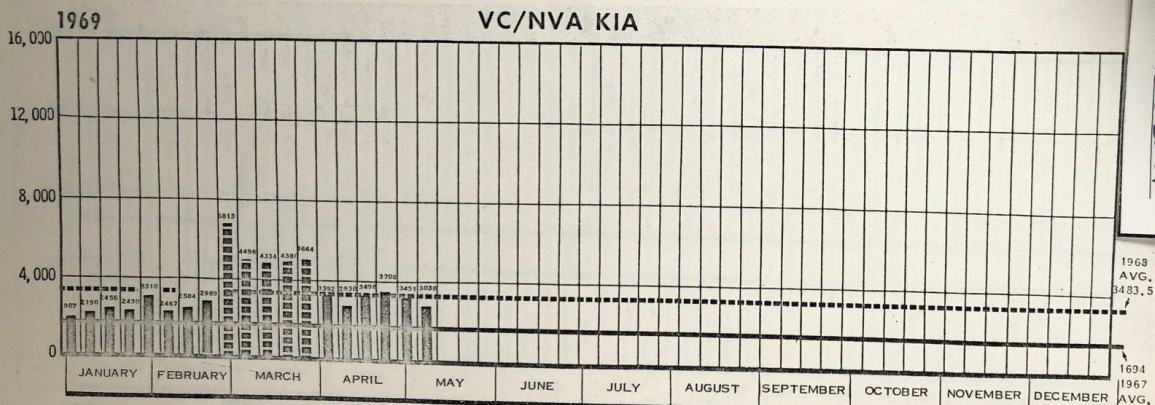
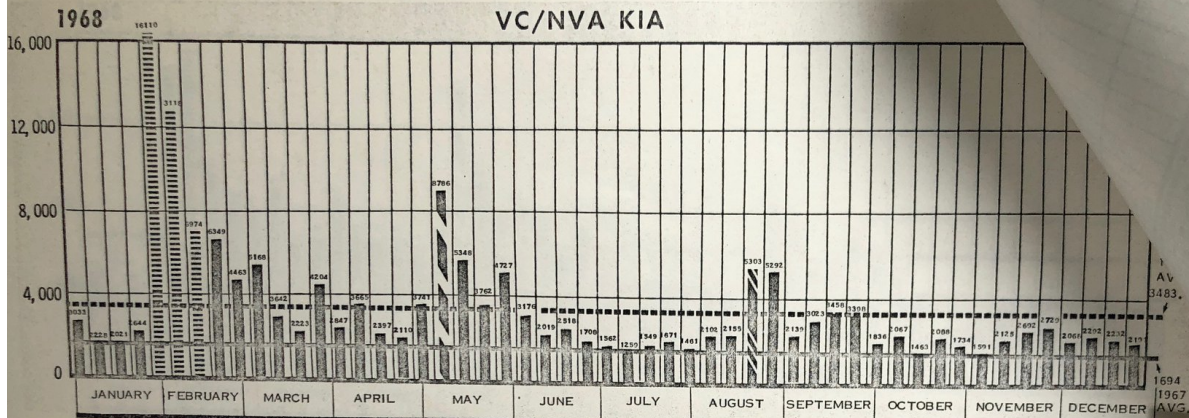
MAP 3

DISTRIBUTION OF US KIA ATTRIBUTABLE TO PROVINCES - 1968



CONFIDENTIAL

INTENSITY INDICATORS OF VC/NVA ACTIVITY - 1968-1969



CONFIDENTIAL

16 MAY 69

TET OFFENSIVE (29 JAN 68 - 24 FEB 68)

MAY OFFENSIVE (4 - 9 MAY 68)

30 OFFENSIVE (18 - 24 AUG 68)

1967 WEEKLY AVERAGE

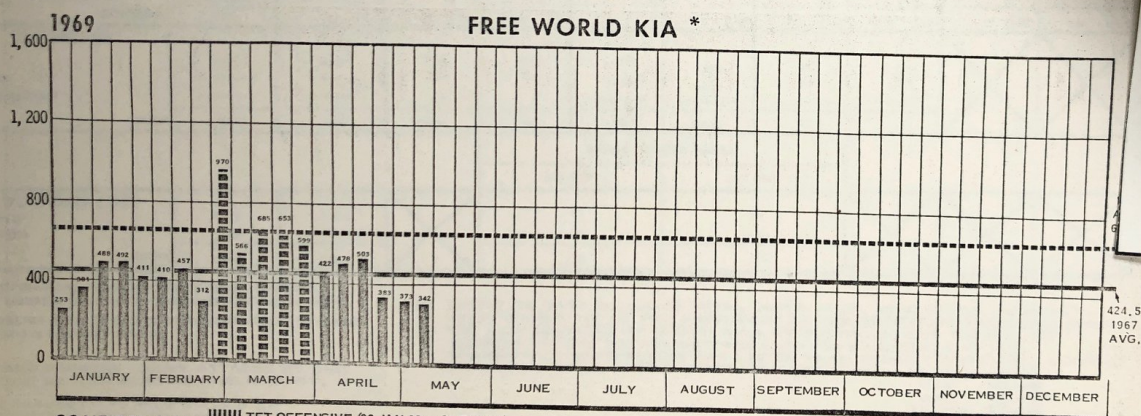
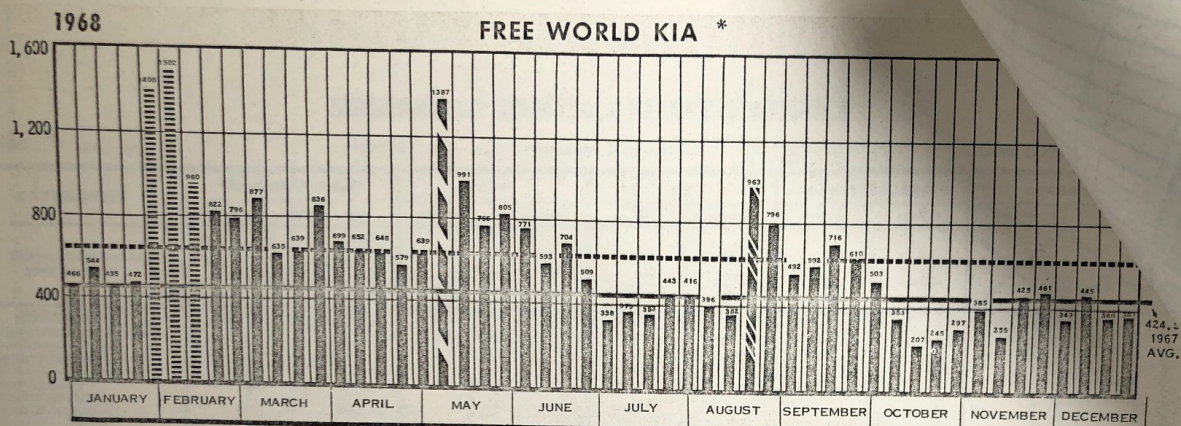
1968 WEEKLY AVERAGE

POST-TET (23 FEB-MAR 69)

NOTE - REPORTING PERIODS END SATURDAY 2400 H (SAIGON)

DECLASSIFIED
Authority NND 20001

INTENSITY INDICATORS OF VC/NVA ACTIVITY - 1968-1969



CONFIDENTIAL

16 MAY 69

TET OFFENSIVE (29 JAN 68 - 24 FEB 68)
 MAY OFFENSIVE (4 - 9 MAY 68)
 3D OFFENSIVE (18 - 24 AUG 68)
 1967 WEEKLY AVERAGE
 1968 WEEKLY AVERAGE
 POST-TET (23 FEB-MAR 69)

* DOES NOT INCLUDE MARCH 69 MACV UPDATE OF 1968 GVN KIA.

NOTE - REPORTING PERIODS END SATURDAY 2400 H (SAIGON)

DECLASSIFIED
Authority: MDD 2000 1

CONFIDENTIAL

TABLE 1

US DEATHS RESULTING FROM HOSTILE ACTION a/

DECLASSIFIED
Authority: E.O. 20001

	YEARS		QUARTERS								MONTHS												CONFIDENTIAL											
	1967	1968	1967		1968		1968		1968		1967		1968		1968		1968		1968		1968		1968		1968									
	Total	Total	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec									
I CTZ																																		
ARMY	931	3143	26	306	253	346	1044	1189	605	282	180	119	47	203	446	395	426	529	234	186	241	201	127	83	72									
NAVY	217	299	33	85	70	29	129	92	49	31	12	9	8	31	50	48	29	43	20	13	19	15	4	12	15									
USMC	3429	4603	602	1204	1005	618	1462	1588	955	561	197	181	240	368	641	453	401	756	431	329	328	335	157	191	213									
USAF	65	44	23	9	20	13	11	23	10	2	9	0	4	1	3	7	8	8	7	5	3	0	2	0	0									
TOTAL	4642	5009	684	1604	1348	1006	2646	2892	1619	876	398	309	299	603	1140	903	864	1336	692	533	591	551	290	266	300									
II CTZ																																		
ARMY	1742	1375	525	414	254	549	497	425	278	166	53	324	172	139	185	173	138	195	92	55	93	139	48	70	48									
NAVY	6	11	2	0	0	4	0	5	3	3	0	1	3	0	0	0	0	0	0	0	1	0	0	3	0									
USMC	3	4	0	1	0	2	3	0	1	0	2	0	0	1	2	0	0	0	0	0	0	0	0	0	0									
USAF	35	42	3	12	17	3	12	17	7	4	0	2	0	0	9	3	1	11	5	2	1	6	2	2	0									
TOTAL	1786	1432	533	427	271	558	512	447	289	170	55	327	176	140	196	176	139	206	102	56	97	145	50	75	48									
III CTZ																																		
ARMY	2428	3994	757	634	357	680	1293	1094	794	802	246	185	249	379	556	358	302	534	258	181	325	289	203	272	327									
NAVY	16	11	7	3	3	3	4	3	1	3	1	0	2	0	3	1	2	0	1	1	0	0	0	2	1									
USMC	2	3	1	0	1	0	3	0	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0									
USAF	29	56	8	10	6	5	40	5	4	7	0	0	0	13	23	4	2	2	1	0	4	0	3	4	0									
TOTAL	2475	4064	773	647	367	688	1340	1102	799	812	249	187	252	393	582	365	306	536	260	182	339	289	206	278	328									
IV CTZ																																		
ARMY	230	775	47	49	56	78	307	219	111	132	16	37	25	53	167	87	77	64	78	27	33	57	46	33	53									
NAVY	35	96	3	6	12	14	15	26	17	31	0	4	10	3	6	6	15	9	2	7	10	7	1	24	6									
USMC	6	1	6	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0									
USAF	5	9	0	3	1	1	3	5	1	0	0	0	1	0	2	1	0	5	0	0	1	0	0	0	0									
TOTAL	276	881	56	58	69	93	326	250	129	163	16	41	36	56	175	95	92	78	80	34	42	64	47	57	59									
OTHER S.E. ASIA b/																																		
ARMY	112	46	50	25	10	27	12	16	47	10	9	12	6	3	9	0	4	8	4	4	3	1	3	2	5									
NAVY	37	47	7	2	21	7	25	11	11	5	3	1	3	5	20	0	3	2	6	2	4	0	0	2	3									
USMC	12	7	4	3	3	2	0	0	42	2	2	0	0	0	0	0	0	0	0	0	2	3	0	1	1									
USAF	38	26	22	7	2	7	8	7	0	11	1	4	2	2	2	4	2	2	2	0	0	0	4	2	5									
TOTAL	199	126	83	37	36	43	45	34	100	28	15	17	11	10	31	4	9	13	12	6	9	4	7	7	14									
S.E. ASIA																																		
ARMY	5443	9333	1405	1428	930	1680	3153	2943	1845	1392	504	677	499	777	1363	1013	947	1330	666	453	705	687	427	460	505									
NAVY	311	464	52	96	106	57	173	137	81	73	16	15	26	39	79	55	49	54	34	23	36	22	5	43	25									
USMC	3452	4618	613	1208	1009	622	1469	1588	998	563	201	181	240	370	643	456	401	756	431	330	330	338	157	192	214									
USAF	172	177	56	41	46	29	74	57	21	24	12	8	9	16	39	19	13	29	15	7	9	6	11	8	5									
TOTAL	9378	14592	2126	2773	2091	2388	4869	4725	2945	2092	733	881	774	1202	2124	1543	1410	2169	1146	813	1080	1053	600	763	799									

a/ Source: Table 54, OSD(C) SEA Statistical Summary.
b/ All other US hostile deaths occurring elsewhere in SEA, in the air or which the CTZ is not reported.

OSD/Systems Analysis
February 10, 1969

CONFIDENTIAL

CONFIDENTIAL

DECLASSIFIED
Authority AND 20001

	YEARS		QUARTERS								MONTHS			
	1967	1968	1967				1968				1967			1968
	Total	Total	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Oct	Nov	Dec	Jan
I CTZ														
ARMY	931	3143	26	306	253	346	1044	1189	605	282	180	119	47	203
NAVY	217	299	33	85	70	29	129	92	49	31	12	9	8	31
USMC	3429	4603	602	1204	1005	618	1462	1588	955	561	197	181	240	368
USAF	65	44	23	9	20	13	11	23	10	2	9	0	4	1
TOTAL	4642	8089	684	1604	1348	1006	2646	2892	1619	876	398	309	299	603
II CTZ														
ARMY	1742	1375	525	414	254	549	497	425	278	166	53	324	172	139
NAVY	6	11	2	0	0	4	0	5	3	3	0	1	3	0
USMC	3	4	0	1	0	2	3	0	1	0	2	0	0	1
USAF	35	42	3	12	17	3	12	17	7	4	0	2	1	0
TOTAL	1786	1432	530	427	271	558	512	447	289	170	55	327	176	140
III CTZ														
ARMY	2428	3994	757	634	357	680	1293	1094	794	802	246	185	249	379
NAVY	16	11	7	3	3	3	4	3	1	3	1	0	2	0
USMC	2	3	1	0	1	0	3	0	0	0	0	0	0	1
USAF	29	56	8	10	6	5	40	5	4	7	2	2	1	13
TOTAL	2475	4064	773	647	367	688	1340	1102	799	812	249	187	252	393
IV CTZ														
ARMY	230	775	47	49	56	78	307	219	111	132	16	37	25	53
NAVY	35	96	3	6	12	14	15	26	17	31	0	4	10	3
USMC	6	1	6	0	0	0	1	0	0	0	0	0	0	0
USAF	5	9	0	3	1	1	3	5	1	0	0	0	1	0
TOTAL	276	881	56	58	69	93	326	250	129	163	16	41	36	56
OTHER S.E. ASIA b/														
ARMY	112	46	50	25	10	27	12	16	47	10	9	12	6	3
NAVY	37	47	7	2	21	7	25	11	11	5	3	1	3	5
USMC	12	7	4	3	3	2	0	0	42	2	2	0	0	0
USAF	33	26	22	7	2	7	8	7	0	11	1	4	2	2
TOTAL	199	126	83	37	36	43	45	34	100	28	15	17	11	10
S.E. ASIA														
ARMY	5443	9333	1405	1428	930	1680	3153	2943	1845	1392	504	677	499	777
NAVY	311	464	52	96	106	57	173	137	81	73	16	15	26	39
USMC	3452	4618	613	1208	1009	622	1469	1588	998	563	201	181	240	370
USAF	172	177	56	41	46	29	74	57	21	24	12	8	9	16
TOTAL	9378	14592	2126	2773	2091	2388	4869	4725	2945	2056	733	881	774	1202

CONFIDENTIAL

DECLASSIFIED

Authority: ND 20001

COMBAT DEATHS OCCUR IN VIETNAM

Summary. US KIA in Vietnam will probably exceed the Korean War total of 33,629 sometime in April, perhaps sooner if the enemy sustains the high intensity fighting of the post-Tet 1969 period. Over the past two years, there has been remarkably little change in the provinces where significant US combat deaths occur. I CTZ has accounted for 53% of US combat deaths and the two I CTZ provinces of Quang Tri and Quang Nam^{1/} have accounted for over a third of all US KIA. During 4th quarter 1968, the proportion of US combat deaths shifted south and went up in the III and IV CTZ provinces around Saigon, indicating a shift of enemy interest to that area.

As of February 22, US combat deaths stood at 31,923 only 1,706 short of the Korean War total of 33,629. Since US KIA has been running at 800 per month, the Korean War total should be exceeded by the first of May. However, if the enemy can sustain the intensity of the early days of his post-Tet 1969 offensive, US KIA rates may double and the Korean War total would be surpassed by April 1.

In the June 1968 Analysis Report, we investigated where US combat deaths occurred in South Vietnam, using incomplete data from the GUAVA and VCIIA computer files. Since that time, the file on US KIA maintained by OASD (Comptroller) Statistical Services has become operational and we are now in a position to make a more accurate analysis of the location of American combat deaths in Vietnam.

Table 1 shows US KIA by CTZ for 1967 and 1968. During the two year period, 53% of the US combat deaths occurred in I CTZ, 27% in III CTZ, 14% in II CTZ, and 5% in IV CTZ. While the same relative ordering of the CTZ's has persisted through most of the two year period, II CTZ took relatively more KIA in 1967. Moreover, the last quarter of 1968 showed a shift in emphasis to the southern half of the country as US combat deaths increased in the III and IV CTZ provinces surrounding Saigon while declining in I and II CTZ; nearly half (47.6%) of the US KIA occurred in III and IV CTZ's and both CTZ had their highest percentages of total US KIA for the two year period.

Table 2 compares the number of US maneuver battalions with US KIA by CTZ. Although we know on the average that 83% of combat deaths occur in maneuver battalions, combat deaths are not distributed among the CTZ's in the same proportion as the battalions.^{2/} In 1967 38% of the maneuver battalions were located in III CTZ, yet III CTZ accounted for only 27% of US KIA. Likewise, in 1968 15% of the maneuver battalions operated in II CTZ but that CTZ accounted for only 10% of US KIA.

^{1/} Quang Tri borders DMZ; Quang Nam contains Danang.

^{2/} For a detailed discussion of combat deaths in maneuver and non-maneuver battalions see "Army and Marine KIA," SEA Analysis Report, November 1968, page 20.

CONFIDENTIAL

CONFIDENTIAL

DECLASSIFIED
Authority: ND 20001

TABLE 1

US COMBAT DEATHS IN SVN BY CTZ

	67-68	1967	1968	1967				1968			
	Total	Total	Total	1st	2nd	3rd	4th	1st	2nd	3rd	4th
				Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr	Qtr
I CTZ											
US KIA	12732	4642	8090	684	1604	1348	1006	2646	2892	1675	877
% of Total	53.4	49.8	55.7	32.5	58.0	65.1	42.4	54.7	61.4	57.0	42.9
II CTZ											
US KIA	3215	1786	1429	530	427	271	558	512	447	300	170
% of Total	13.5	19.2	9.8	25.2	15.4	13.1	23.5	10.6	9.5	10.2	8.3
III CTZ											
US KIA	6539	2475	4064	773	647	367	688	1340	1102	810	812
% of Total	27.4	26.6	28.0	36.7	23.4	17.8	29.0	27.7	23.4	27.5	39.7
IV CTZ											
US KIA	1155	276	879	56	58	69	93	326	250	142	161
% of Total	4.8	3.0	6.0	2.7	2.1	3.3	3.9	6.7	5.3	4.8	7.9
CTZ Unknown	210	135	75	61	30	15	29	16	20	14	25
% of Total	.9	1.4	.5	2.9	1.1	.7	1.2	.3	.4	.5	1.2
Countrywide	23851	9314	14537	2104	2766	2070	2374	4840	4711	2941	2045

Source: OASD(Comptroller) Statistical Services US KIA computer file.

CONFIDENTIAL

DECLASSIFIED
Authority AWD 20001

TABLE 2

US KIA AND MANEUVER BATTALION DEPLOYMENT
(Monthly Average)

	1967		1968		1967				1968				a/
	KIA	%	KIA	%	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	
I CTZ													
US KIA	387	49.8	674	55.7	228	535	449	335	882	964	558	292	
Maneuver Bns.	30.8	35.4	53.5	48.1	20	30.6	33.6	39	51.6	55.3	58	49	
II CTZ													
US KIA	149	19.2	119	9.8	177	142	90	186	171	149	100	57	
Maneuver Bns.	20.8	24.0	17.0	15.3	22	19	19.6	22.6	16.6	18	16.6	17	
III CTZ													
US KIA	206	26.6	339	28.0	258	216	122	229	447	367	270	271	
Maneuver Bns.	33.3	38.1	36.3	32.7	40	31	29.3	33	35	35.3	35.0	39.6	
IV CTZ													
US KIA	23	3.0	73	6.0	19	19	23	31	109	83	47	54	
Maneuver Bns.	2.2	2.5	4.3	3.9	-	3.3	4	1.3	3	3.6	4.0	6.3	
Countrywide ^{b/}													
US KIA	776	-	1211	-	701	922	690	791	1613	1570	980	682	
Maneuver Bns.	87.5	-	1111	-	82	84	86.6	96	106.3	112	114	112	

Source: OSD (Comptroller) US KIA File.

SEA Statistical Summary - Table 106.

a/ 4th quarter 1968 figures are tentative for maneuver battalions.

b/ CTZ data do not add to countrywide because the location of some KIA are unknown or in the air.

The discrepancies are not surprising because the presence of a US unit is a necessary but not a sufficient condition for US combat deaths to occur. This is only another way of saying that in Vietnam the intensity of combat is heavily dependent upon the actions of the enemy.

Table 3 and the four shaded maps show total US KIA by province for 1967 and 1968. Nine of Vietnam's 44 provinces account for 74% of all US combat deaths in 1967-68 (Map 1). Quang Tri and Quang Nam, both in I CTZ, have accounted for over one-third (34%) of all US KIA during the two year period and have reported the most KIA in both 1967 and 1968. At the other end of the spectrum, the IV CTZ provinces of Bac Lieu, An Giang, and An Xuyen are the provinces where the fewest American lives have been lost. The low rates probably stem as much from the relative absence of US operations in these provinces as from security conditions; An Giang is one of the most secure areas in South Vietnam, but An Xuyen and Bac Lieu are provinces with low security ratings.

CONFIDENTIAL

CONFIDENTIAL

DECLASSIFIED
Authority NND 20001

TABLE 3
US KIA BY PROVINCE - 1967-1968

	67-68	% of	1967	% of	1968	% of	1967				1968			
	Total	67-68		1st Qtr		2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr		
I CTZ														
Quang Tri	4,757	19.9	1,741	18.7	3,016	20.8	225	652	583	281	1007	1313	526	170
Thua Thien	2,201	9.2	338	3.6	1,863	12.8	61	88	76	113	797	705	282	79
Quang Nam	3,376	14.2	1,245	13.4	2,131	14.7	221	341	316	367	542	541	594	454
Quang Tin	1,256	5.3	689	7.4	567	3.9	35	245	232	177	177	203	107	30
Quang Ngai	1,111	4.7	605	6.5	506	3.5	142	276	126	61	117	130	165	94
Unknown/Offshore	31	.1	24	.2	7	-	0	2	15	7	6	0	1	0
Total	12,732		4,642		8,090		684	1604	1343	1006	2646	2892	1575	877
II CTZ														
Kontum	1,098	4.6	616	6.6	482	3.3	146	94	49	327	219	193	49	21
Binh Dinh	1,037	4.3	662	7.1	375	2.6	258	171	109	124	92	146	88	49
Pleiku	434	1.8	264	2.8	170	1.2	45	127	74	18	56	49	38	27
Phu Yen	147	.6	76	.8	71	.5	42	3	6	25	42	14	3	12
Darlac	90	.4	21	.2	69	.5	2	5	3	11	28	3	30	8
Khanh Hoa	39	.2	18	.2	21	.1	0	13	1	4	9	6	2	4
Tuyen Duc	21	.1	5	.1	16	.1	1	0	0	4	3	6	3	4
Quang Duc	89	.4	3	-	86	.6	2	0	0	1	10	1	60	15
Lam Dong	81	.3	35	.4	46	.3	8	1	11	15	9	9	13	15
Ninh Thuan	27	.1	7	.1	20	.1	4	3	0	0	10	1	3	6
Binh Thuan	109	.4	53	.6	56	.4	17	4	8	24	26	10	11	9
Phu Bon	20	.1	6	.1	14	.1	1	1	0	4	6	8	0	0
Unknown/Offshore	23	.1	20	.2	3	-	4	5	10	1	2	1	0	0
Total	3,215		1,786		1,429		530	427	271	558	512	447	300	170
III CTZ														
Phuoc Long	224	.9	89	1.0	135	.9	14	441	3	31	43	13	16	63
Binh Tuy	53	.2	28	.3	25	.2	8	1	5	14	7	13	5	0
Long Khanh	131	.5	70	.7	61	.4	13	26	27	4	21	22	16	2
Binh Long	423	1.8	196	2.1	227	1.6	19	22	18	137	43	40	80	64
Tay Ninh	1,192	5.0	499	5.4	693	4.8	271	111	30	87	141	155	205	232
Binh Duong	1,548	6.5	550	7.0	998	6.2	204	128	113	205	310	276	125	187
Gia Dinh	816	3.4	138	1.5	678	4.7	41	72	9	16	396	210	48	24
Bien Hoa	466	2.0	216	2.3	250	1.7	71	37	51	57	105	95	16	34
Phuoc Tuy	98	.4	70	.7	28	.2	14	28	12	16	14	7	2	5
Long An	705	3.0	280	3.0	425	2.9	77	96	41	66	90	121	142	72
Hau Nghia	847	3.6	204	2.2	643	4.4	32	77	42	53	170	190	155	128
Unknown/Offshore	36	.1	35	.4	1	-	9	8	16	2	0	0	0	1
Total	6,539		2,475		4,064		773	647	367	688	1340	1102	810	812
IV CTZ														
Kien Tuong	84	.4	28	.3	56	.4	6	11	4	7	21	19	13	3
Kien Phong	23	.1	8	.1	15	.1	0	0	2	6	3	3	2	4
Dinh Tuong	477	2.0	126	1.4	351	2.4	19	24	37	46	140	96	42	73
An Giang	4	-	0	0	4	-	0	0	0	0	2	2	0	0
Vinh Long	57	.2	9	.1	48	.3	1	1	2	5	29	4	11	4
Kien Hoa	251	1.0	42	.5	209	1.4	12	13	11	6	45	83	41	40
Vinh Binh	24	.1	16	.2	8	.1	4	5	2	5	3	2	3	0
Phong Dinh	90	.4	12	.1	78	.6	1	0	4	7	56	9	7	6
Kien Giang	13	.1	5	.1	8	.1	0	0	3	2	1	2	0	5
Chuong Thien	10	-	3	-	7	-	2	1	0	0	5	0	1	0
Ba Xuyen	17	.1	3	-	14	.1	0	0	0	0	3	9	0	5
An Xuyen	5	-	2	-	3	-	0	0	0	0	0	0	0	0
Go Cong	44	.2	8	.1	36	.2	5	1	2	0	1	6	7	22
Bac Lieu	1	-	0	0	1	-	0	0	0	0	0	0	1	0
Sa Dec	12	-	2	-	10	.1	0	0	0	2	4	3	3	0
Chau Doc	13	.1	2	-	11	.1	0	0	1	1	2	2	18	0
Unknown/Offshore	30	.1	10	.1	20	.1	6	2	1	1	2	1	0	0
Total	1,155		276		879		56	98	69	93	326	250	142	161
Unknown/Offshore	210		135		75		61	30	15	29	16	20	14	25
Countrywide Totals	23,851		9,314		14,537		2104	2766	2070	2374	4840	4711	2941	2045

Source: OASD (COMPTROLLER) KIA file.
NOTE: (-) indicates percent less than .1.

POL 27.15 - Military Casualties 1969

SECRET

DECLASSIFIED
Authority ND 2000 1

KIA

SEA Analysis Report articles examined US combat deaths (KIA) by command experience, location in-country, and level of RVNAF casualties. This study estimates the distributions of Army and Marines KIA according to force component, cause of casualties, and (for the Marines only), type of engagement.^{1/}

Some of the main points are:

1. From January 1967 through September 1968, 82% of Army and Marines KIA were sustained by personnel in maneuver battalions.
2. Maneuver battalion personnel averaged about 15 times the KIA rate of other forces (109 vs 7 per 1000 men per year).
3. Marine KIA rates for both maneuver battalions and other forces are significantly higher than Army rates (130 vs 100 for maneuver battalions, 16 vs 5.5 for other forces), due to the USMC location in I CTZ, not-tactics or equipment.
4. The KIA rate for all Army and Marine forces in Vietnam rose to 46 during the Tet offensive (first quarter of 1968) compared to a Jan 1967-Sep 1968 average of 31, and an Army rate during the Korean War of 45.
5. During the first half of 1968 the highest KIA rates for both maneuver battalion personnel and other forces were experienced in IV CTZ (239 and 31).
6. On the average, for each Marine KIA occurring in a VC/NVA initiated incident, 2.0 occurred on a US operation and 1.5 occurred on a US patrol.
7. Approximately 50% of Army and Marine KIA result from gunshot wounds. During the October lull this percentage fell to under 30.

Distribution by Force Component

Table 1 indicates that over the long-run, 82% of Army KIA and 81% of Marine KIA, have occurred in maneuver battalions. This is close to the 80% approximation used to estimate maneuver battalion casualties in some

^{1/} A sample of 3628 Army and Marines KIA was selected at random from the total of 20,891 KIA sustained by the two Services between Jan 1, 1967 and Sep 30, 1968. A maximum probable error of less than 5% is associated with all quarterly estimates, while estimates spanning the entire seven quarter period have maximum errors of less than 2%. A 95% level of significance has been used throughout the study for computing maximum errors and for testing hypotheses.

SECRET