

PUBLIC WORKS OFFICE MARIANAS  
NAVY NO. 926, c/o FLEET POST OFFICE  
SAN FRANCISCO, CALIFORNIA

DC-410/JPW:do  
31 January 1956

## MEMORANDUM

From: Area Public Works Officer, Marianas  
To: Commander, Installation Squadron, 3960th Air Base Wing, APO 334

Subj: Water Analysis; report of

Source of Samples Harmon Well No. 2 Report No. 9265

Requested by Lt. Col. David J. Nolan Sampled by S/Sgt Triarte

W. R. No. 108 Sample No. 5458 Analyzed by John P. McCloskey

CONSTITUENTS		P.P.M.	ADDITIONAL DETERMINATIONS		P.P.M.
SILICA	SiO <sub>2</sub>	.9	ALKALINITY	Phenolphthalein	0
IRON	Fe	.03		Methyl Orange	262
ALUMINUM	Al	.08	CALCIUM	as (CaCO <sub>3</sub> )	216
MANGANESE	Mn	.0	MAGNESIUM	as (CaCO <sub>3</sub> )	100
CALCIUM	Ca	86.4	TOTAL HARDNESS	as (CaCO <sub>3</sub> )	316
MAGNESIUM	Mg	24.3	FREE CHLORINE		
SODIUM	Na / K	132	CARBON DIOXIDE (CO <sub>2</sub> )		8
POTASSIUM	K	-----	TOTAL DISSOLVED SOLIDS		650
CHLORIDE	Cl	214	SUSPENDED SOLIDS		
SULFATE	SO <sub>4</sub>	34.0	pH	7.6	
BICARBONATE	HCO <sub>3</sub>	320	COLOR		
PHOSPHATE	PO <sub>4</sub>	.1	ODOR		

NAVY-PPD, GUAM

JOHN P. McCLOSKEY  
By direction

9-260  
(January 1950)

UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION

ANALYTICAL STATEMENT

[Parts per million]

3960th AB Gp

Location	Harmon, Andersen AFB,	Date of collection	May 16, 1960
	Guam	Use	
Source	Deep Well No. 2	Temperature (°F)	80
Pt of Coll:	Faucet; WBF:	Color	1 pH 7.5
Limestone;	App; Clear	Suspended matter	
		Hardness as CaCO <sub>3</sub>	
		N. C.	167 Total 424
		Ignition loss	
		Dissolved solids	1210
		Specific conductance at 25°C	
		(micromhos)	2090
		Mn	.00
		Al	.0
		Cu	.01
		Zn	.0
		Alk as CaCO <sub>3</sub>	257
		CO <sub>2</sub>	16
Chemist	Barnhart	SiO <sub>2</sub>	1.0
Lab. No.	DC-497	Fe	.00
Collector	Fitzsimmons	Ca	115
		Mg	34
		Na )	269
		K	
		CO <sub>3</sub>	0
		HCO <sub>3</sub>	314
		SO <sub>4</sub>	65
		Cl	484
		F	.3
		NO <sub>3</sub>	1.3
		Sum	1120
		PO <sub>4</sub>	.03

16-55248-4

Lab. No. DC-497

rCa 5.72  
rMg 2.76  
rNa  
rK

8.48  
rCO<sub>3</sub> .00  
rHCO<sub>3</sub> 5.15  
rSO<sub>4</sub> 1.35  
rCl 13.65  
rF .02  
rNO<sub>3</sub> .02  
20.19

20.19  
8.48

11.71 x 23 = 269 Na+K

Date completed 7/28/60  
Checked by Reaves  
Project Air Force  
Transmitted 8/4/60  
Remarks