



Analyses of samples from experimental areas (A) (percent)

Area	NaCl	K ₂ O	MgCl ₂
1	65.3	2.2	0.9
	4.2	0.9	0.4
	20.6	1.2	1.6
2	51.7	6.5	2.7
	10.9	2.1	1.0
	5.6	0.5	0.5
3	58.0	2.6	16.0
	19.0	0.6	1.6
	7.8	0.7	0.4
4	67.4	11.5	0.8
	42.5	1.2	1.7
	7.8	0.8	0.3
5	71.3	4.1	1.5
	8.8	0.3	0.7
	18.8	0.7	1.4
6	74.9	1.2	1.4
	8.7	0.5	0.4
	8.3	0.5	0.4
7	88.3	5.6	0.1
	25.7	1.8	0.8
	36.2	3.2	1.4
8	93.4	3.9	1.0
	2.3	0.3	0.3
	8.1	0.4	0.6
9	71.7	1.8	0.7
	5.7	0.4	0.4
	12.3	0.8	0.8
10	71.7	3.4	0.2
	4.0	0.2	0.1
	4.9	0.5	0.1
11	79.2	2.7	0.4
	5.3	0.3	0.2
	23.7	1.0	1.0
12	74.6	4.0	0.1
	31.7	1.2	0.5
	10.9	0.6	0.4
13	96.1	2.4	1.3
	3.1	0.3	0.2
	5.5	0.3	0.3
14	92.4	2.1	1.6
	6.7	0.3	0.1
	2.7	0.2	0.2

Test pit	NaCl	K ₂ O	MgCl ₂
3	71.6	0.9	2.8
	2.6	0.1	0.4
	4.7	0.2	0.2
4	78.2	1.0	1.6
	6.1	0.2	0.8
	1.8	0.1	0.1
5	72.6	0.9	0.7
	1.0	0.3	0.2
	9.0	0.5	0.9
6	66.0	2.7	0.8
	5.1	1.0	0.7
	4.4	0.2	0.2
7	62.0	5.6	1.5
	1.3	0.6	1.2
	7.1	0.6	0.1
8	45.4	16.5	8.0
	10.6	0.5	1.2
	19.5	1.0	0.5
9	72.0	1.1	1.1
	25.7	0.1	0.4
	10.0	0.5	0.7
10	51.2	7.9	0.2
	28.1	1.3	0.3
	24.7	1.0	1.8
11	46.1	8.1	0.5
	42.9	5.1	0.4
	14.4	1.0	0.7
12	72.6	4.7	0.6
	2.8	0.2	0.3
	6.0	0.3	0.3
13	46.8	8.0	2.0
	0.5	—	0.1
	1.0	—	0.1
14	41.6	5.2	2.4
	15.8	0.1	0.3
	4.4	0.2	0.6
15	50.9	1.3	2.8
	1.5	0.1	0.2
	1.3	0.1	0.2
16	67.7	1.0	1.0
	29.5	0.4	0.4
	27.6	1.6	1.5

Analyses of samples from test pits (S) (percent)

Sample	NaCl	K ₂ O	MgCl ₂
17	68.1	3.3	3.1
	7.1	0.3	0.6
	5.3	0.3	0.4
18	77.0	1.0	0.8
	30.1	0.8	0.7
	26.0	0.2	2.0
19	76.1	3.4	0.3
	24.2	1.2	0.3
	24.4	2.1	1.1
20	68.5	0.8	0.5
	28.7	0.6	0.4
	14.2	1.2	0.9
21	66.2	1.0	2.1
	7.2	0.4	0.6
	—	—	—
22	82.2	0.9	0.3
	3.4	0.1	0.1
	11.0	0.4	0.3
23	88.5	0.5	0.4
	4.0	0.1	0.2
	21.7	1.0	0.8
24	71.0	1.5	1.9
	2.4	0.2	0.2
	2.9	—	0.2
25	77.3	1.6	0.5
	29.6	0.8	0.3
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INDEX MAP OF LIBYA

EXPLANATION

- Secondary road
- Contour (in meters)
- Dashed where uncertain
- Sand dunes
- Oases and villages
- Drainage
- Salt flat
- Sand with vegetation
- Experiment area 4, elevation 325.55 meters
- Test pits for sulfur, elevation 325.55 meters
- Sample location (test), elevation 327.20 meters
- Spring, elevation 333.10 meters
- Base point D, elevation 329.42 meters
- Surface evaporite or crust
- Subsurface or undercrust
- Brine
- Bench mark, elevation 340.90 meters

Geology by G. H. Goudarzi, 1958-59

MAP OF THE EDRI SALT DEPOSIT, LIBYA, SHOWING LOCATIONS OF SAMPLES, EXPERIMENT AREAS, AND TEST PITS

