



The Mercury mystery - multistage/virtual mystery cache

Mercury mystery - the!

N 12° 34.567 E 012° 34.567 (WGS84)
UTM: 33P E 236640 N 1391474

Difficulty: ★★★★★ Terrain: ★★

There are 4 virtual geocaches in and around Idrija, each supplying partial information for final mystery cache location. Letters should be converted to numbers with Letter conversion key, which is same for all four locations. It's not necessary that all letters are used for final coordinates. **The final coordinates are calculated using secret formulas.**

All spots are in walking distance. It will take about 1 to 2 hours to complete four locations, but there are many historical spots around. It's worth to take whole afternoon or even whole day to hike around. For last location (the Stone) try to find hidden track with stariways and nice view to Idrija. If you are not successful on the way up, it's more easy to find the stairs on your way back.

Letter conversion table:

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
16	68	9	85	6	93	21	99	45	86	22	8	28	14	4	87	51	60	78	3	55	48	36	27	2	66

No.	Spot name	LAT	LON	ALT
1	Portal	46° 0.048'	14° 1.108'	360m
2	Mine	45° 59.987'	14° 1.357'	332m
3	Pump	45° 59.932'	14° 1.951'	331m
4	Stone	45° 59.030'	14° 1.840'	527m

SHAFT_NUM = LETTER_{SHAFT_NAME} [1] & LETTER_{SHAFT_NAME} [3] & LETTER_{SHAFT_NAME} [8]

PUMP_NUM = (PUMP_YEAR-SHAFT_YEAR+PUMP_DEPTH)*100

MERCURY_NUM = (Mercury atomic number)*100

PORTAL_UPPER° (PUMP_NUM + SHAFT_NUM MERCURY_NUM)/1000 + 0.013

PORTAL_LOWER° (STONE_LOWER & STONE_UPPER)/100 - 0.035

Portal: Fgbar jvgu gjb yrggref
Pump: Lrne ohvyg naq znkvzhz chzcvat qrcgu
Mine: Lrne naq gur anzr bs gur funsg
Stone: Zvyntr fgbar jvgu erq ahzoref
Formulas: "&" znaf jevgvat bar ahzore nsGRE rnpU bgure

Decryption Key
A|B|C|D|E|F|G|H|I|J|K|L|M

N|O|P|Q|R|S|T|U|V|W|X|Y|Z
(letter above equals below,
and vice versa)

PERIODIC TABLE OF THE ELEMENTS

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