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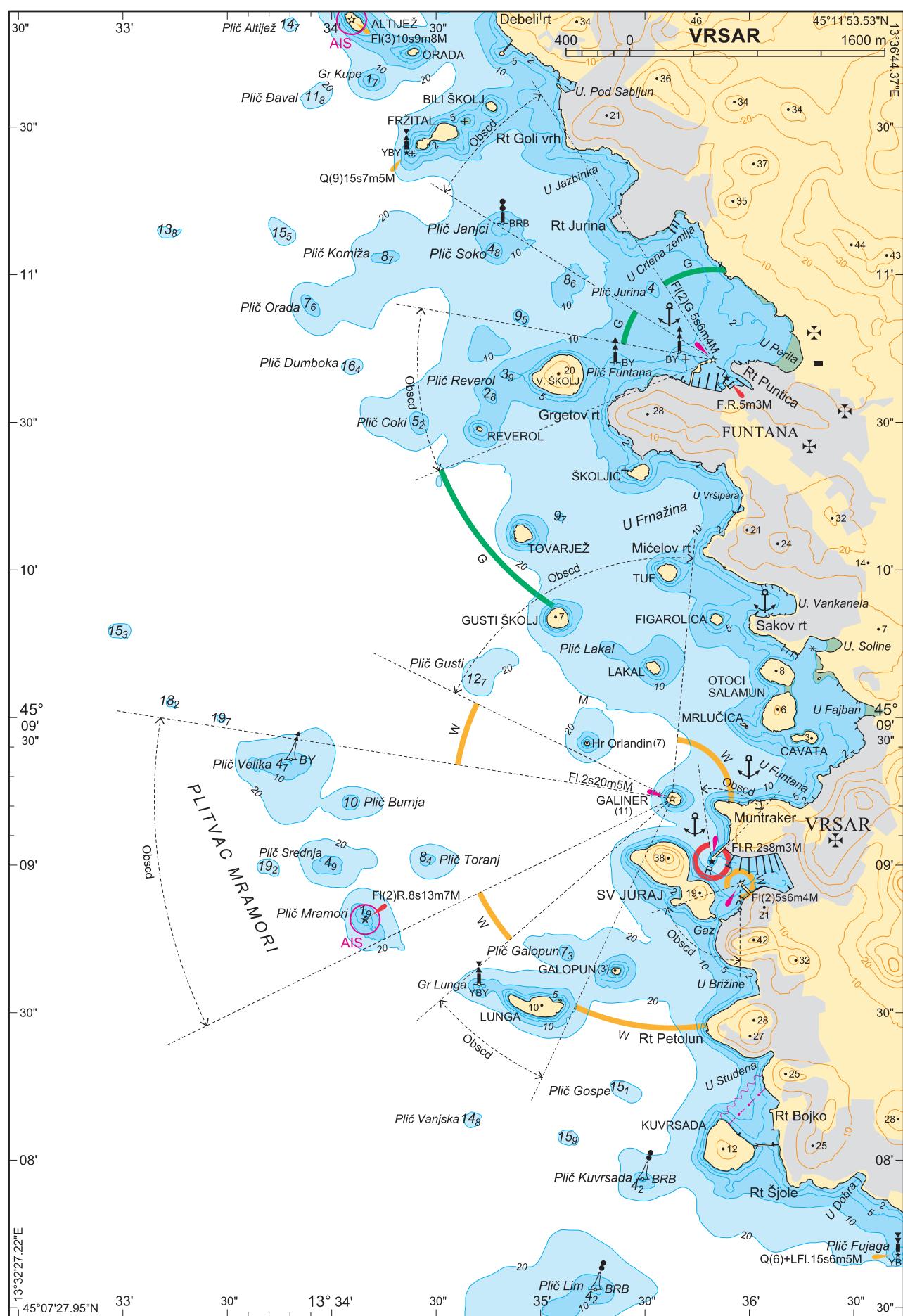
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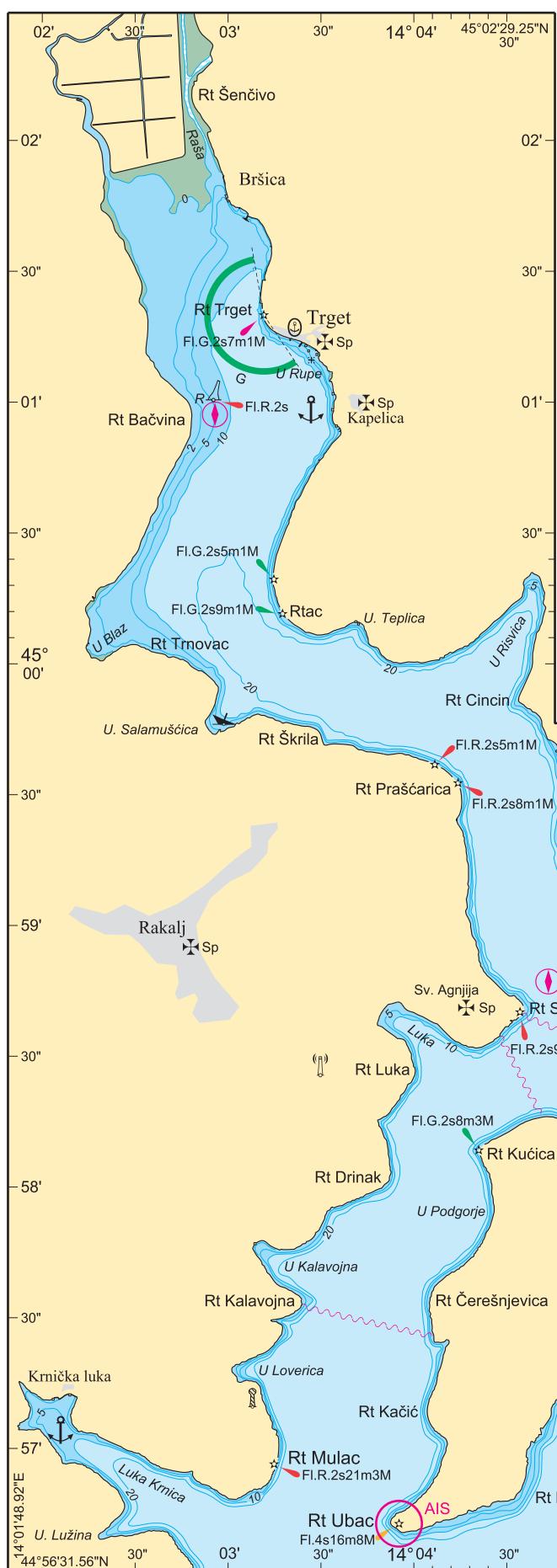
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SYMBOLS AND ABBREVIATIONS

light, lighthouse		harbour master's office
sector light		harbour branch office
light characteristic		permanent maritime border crossing
anchoring prohibited		seasonal maritime border crossing
marina, boat harbour		customs office
pontoon		fuel station
angled pier		ferry quay
fishing harbour		crane
anchorage		monument
small craft berths		chimney
slipway, ramp		tank
dolphin		hotel
mooring buoy		church with spire (belfry)
soundings (in metres)		cupola
lighted navigation marks		building
light buoys		settlement
navigation marks (day)		ruin
currents		cemetery
sea floor	– stone	road
	– weed	railway
	– gravel	bridge
	– sand	steep coast
	– mud	basin
	– shells	tower
above-water rock		seawall
sunken rock		loose boulders
rock awash		rocky shore
dangerous submerged wreck		sandy shore
submerged wreck		marsh
wreck with any portion of hull or superstructure awash		woods in general
submarine cable (general)		limit of restriction
submarine pipeline		coastline
submarine cable (power)		unsurveyed coastline
sewer		prominent tree – deciduous
unsurveyed area		prominent tree – evergreen
approximate depth contour		prominent tree – conifer
depth contours		prominent tree – palm
low water line		spot height
protected area		form line

WESTERN COAST OF ISTRIA





A deep-water narrow bay bordered by steep, rugged coasts. At its head, in the cove Bršica, the river Raša flows into the sea. There are no obstructions to navigation in the bay. At Bršica there are livestock and timber terminals, while north of Rt Sv. Mikula there is a quarry with piers for loading quarried stone.

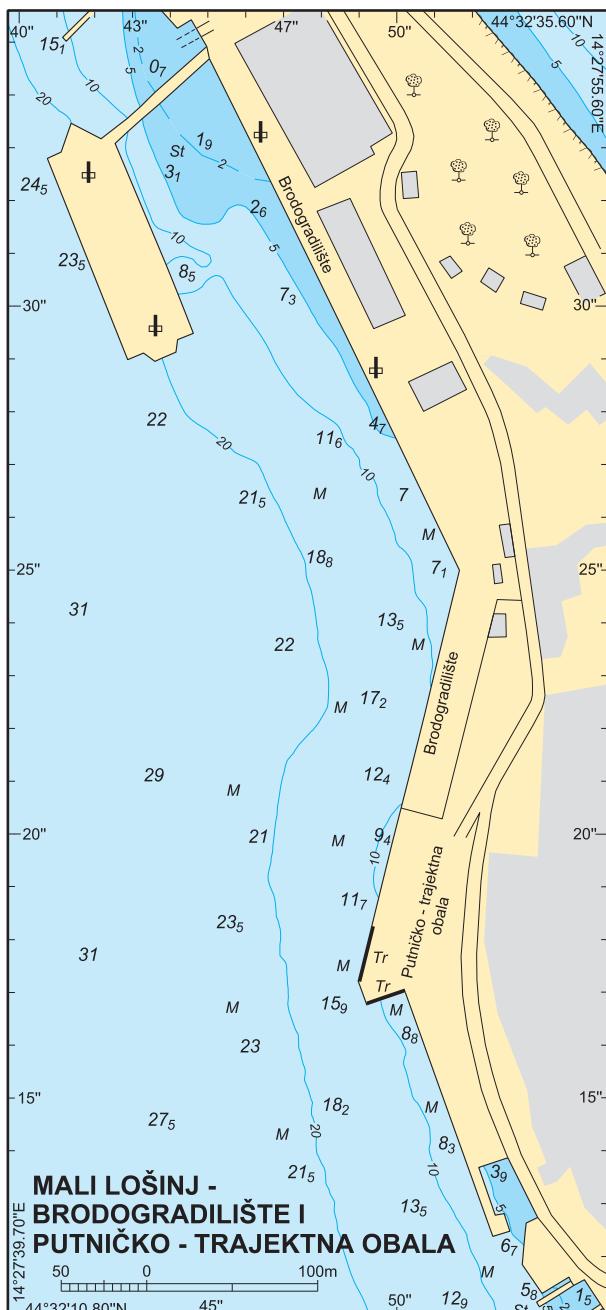
Landmarks: Light on E entrance point Rt Ubac – white tower with column and gallery; light on W entrance point Rt Mulac – red tower with column and gallery; belfry at Krnica.

Weather: The Bora is severe, blowing down the steep hill-sides of the E coast in violent gusts. It is deflected from the W coast in many places, causing eddies. A strong Scirocco causes heavy seas which are deflected from the coasts of the bay and may be felt as far as Luka cove.

Currents: Ingoing/outgoing tidal currents are predominant, attaining rates of up to 0.3 kn. Gale SE winds may increase the current rate to 1.5 kn.

Cables and pipelines: Submarine cables are laid: from a position on the coast about 300 m SW of the light on Rt Sv. Mikula to about 450 m NE of the light Rt Kućica on Ubac peninsula; from Rt Kalavojna to about 70 m off Čerešnjevica cove on Ubac peninsula; from Rt Sv. Mikula to the head of Tunarica bay.

ZALJEV RAŠA



MARINA MALI LOŠINJ

(44°32.62'N – 14°27.65'E)

Charts: 100-16, 100-17, 100-18, 100-19; MK-8; Plan 22

Situated on the northeastern coast of Luka Mali Lošinj, in close vicinity of Prolaz Prvlaka.

Landmarks: Light on Rt Poljana – red metal framework tower on white base; shipyard facilities east of the marina; office buildings and cranes of the marina.

Weather: Sheltered from N and E winds. Tramontana does not raise a sea, but a strong Scirocco may cause moderate seas.

Cables and pipelines: Submarine cable and pipeline are laid in Prolaz Prvlaka. Submarine cable is laid S of the canal, from the border crossing to the west. Submarine cables are also laid between Rt Torunza (Lošinj island) and Rt Križ (Koludarc islet), as well as in Prolaz Most between NW and SE coasts.

Regulations: From a line connecting Rt Torunza – Rt Križ mandatory direction of traffic flow in the inlet is on the starboard hand side.

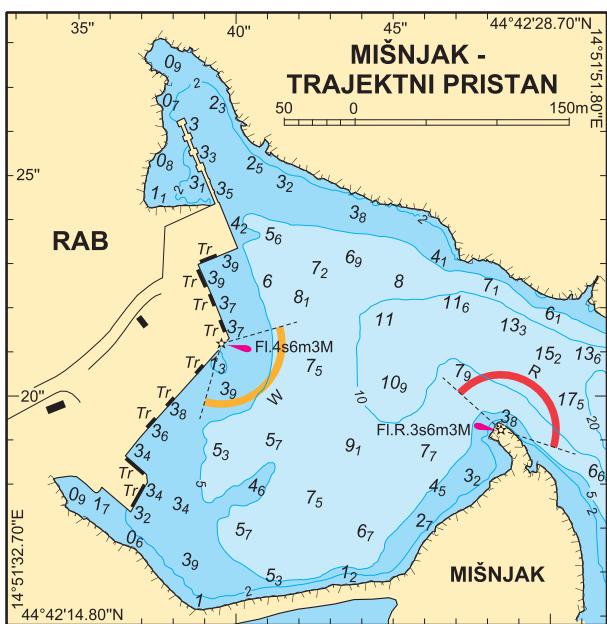
Maximum allowed speed in the inlet is 6 kn. Between the light on Rt Poljana and SE part of the harbour speed should not exceed 3 kn.

Directions: The inlet is entered between Rt Torunza and the islet of Koludarc. At night the approach route between Rt Beli Art and Zabodaski islet is marked by the white sector of the light on Rt Torunza, and the approach route between the islets of Zabodaski and Murtar by the lights exhibited from these islets. It is not recommended to pass through Prolaz Most.

After passing by the light on Rt Križ, the recommended track leads to the light on NW angle of the quay at Mali Lošinj, until the marina facilities W of the shipyard dock come into sight. Prolaz Prvlaka which connects the inlet with Kvarnerić (Lošinjski Kanal) can be used only by vessels drawing not more than 2 m. The canal, in which current may attain a rate of 6 kn, is 70 m long and 8 m wide. It is spanned by a swing bridge, vertical clearance 2 m, which opens daily at 0900 and 1800, and at other times with special permission. Berthing in the canal and in the vicinity of the bridge is prohibited. Vessels must wait at anchor for opening of the bridge



Prvlaka passage (from SW)



NORTHERN COAST OF RAB ISLAND

Charts: 100-18; MK-7

The coast between Rt Saramić and Rt Sorinj is heavily indented by coves and bays with many off-lying rocks and shoals dangerous for navigation. Small craft can find shelter in the bay Lopar.

Cables and pipelines: A disused submarine cable is laid from a cove SW of Rt Stojan to a cove SE of Rt Plitvac on Sv. Grgur island. Two submarine cables are laid to Baška harbour and to Zala Draga cove on Krk island.

Caution: Due to numerous rocks and shoals, vessels are advised to favour the coast of Sv. Grgur island. Care is necessary to avoid the following dangers: shoal Vela Sika marked

by a light – pillar coloured yellow with a black horizontal band and topmark – two black cones one above the other point to point (W cardinal); between Vela Sika shoal and the coast of Rab island depths are about 1 m; Rt Stojan and above-water rock Školjić about 0.2 mile E of Rt Stojan, marked by a green spar beacon with topmark – green cone (lateral starboard hand); shoal Balina about 0.8 mile E of Rt Stojan, marked by a spar beacon coloured black above yellow with topmark – two black cones one above the other points upward (N cardinal); Rt Šilo and shoal marked by a light – red tower on the base in the sea (lateral port hand).

Anchorage: Vessels may anchor in Lopar bay.

LOPAR, bay

(44°50.25'N – 14°43.25'E)

Charts: 100-18; MK-7

Entered between Rt Stojan and Rt Sorinj, with the village of Lopar and a harbour at its head.

Landmarks: Light on Rt Sorinj – white tower; light on Vela Sika shoal – pillar coloured yellow with a black horizontal band and topmark – two black cones one above the other point to point (W cardinal); light on the pier head – white tower with column and gallery; building at the pier root.

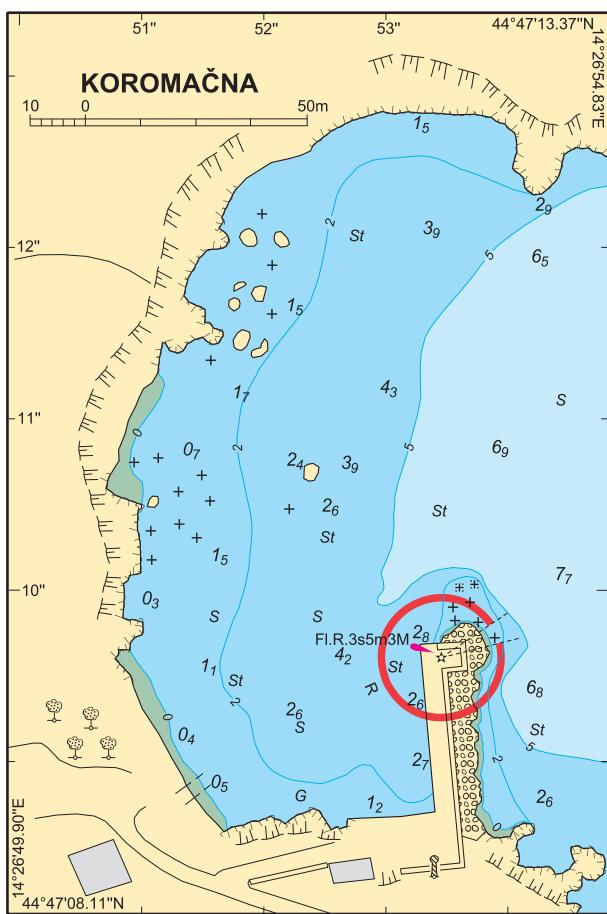
Weather: Exposed to the NW wind which causes moderate sea. Bora blows with gale force and causes a swell in the bay.

Anchorage: In a Bora, vessels may anchor in the W part of the bay W of the pier, and in fine weather everywhere in the bay. Smaller vessels and boats may anchor in Mahućina cove (SW side of the bay).

Caution: In N part of the bay, W of Rt Stojan, care is necessary to avoid Pregiba shoal and Vela Sika shoal marked by a light – pillar coloured yellow with a black horizontal band



Rt Šilo (from NW)



Meli bay (from ESE)



Koromačna bay (from SW)

Anchorage: Small craft may anchor in the NW part of the bay in 5 – 9 m, only in N winds; in a Scirocco anchoring may be dangerous; the bottom is sand.

Caution: Care is necessary to avoid rocks off NE coast near Rt Sv. Duh, and above-water rocks off W coast and near the breakwater head at the harbour entrance. Smaller vessels and boats are not advised to stay in the area of Kvarnerić from Rt Arcić to Rt Sv. Duh because of sudden and frequent Bora squalls. This area affords no shelter.

Berth: Smaller vessels can berth in a boat harbour.

UL, inlet

(44°38.54'N – 14°30.38'E)

Charts: 100-17, 100-18, 100-19; MK-8

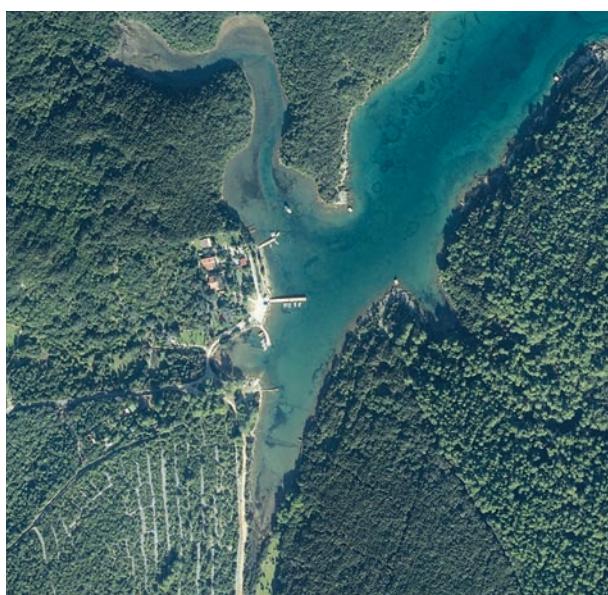
About 1.8 mile northwest of Rt Sv. Damjan.

Landmarks: Rt Ul; light on Matešić shoal about 1.2 mile northeast.

Weather: Outer part of the inlet is exposed to the NE wind and sea.

Caution: Care is necessary to avoid Matešić shoal (1.7 m) about 600 m from the coast and about 0.4 mile SE of Rt Tanki.

Berth: At three piers at the head of the inlet; outer pier is about 50 m long with a depth of 1.5 m.



Ul inlet

MELI, bay

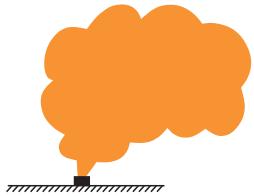
(44°44.34'N – 14°28.39'E)

Charts: 100-18; 50-3; MK-6

Entered west of Rt Meli, about 1 mile northwest of the islet of Ćutin Veli.

LIFESAVING SIGNALS

Lifesaving station or maritime rescue unit replies to distress signals given by a ship or a person

	Light signals	Other signals	Meaning
By day	 orange smoke flare	 or: three light and sound rockets fired at approximately 1 minute intervals	You have been noticed – assistance will be provided as soon as possible. (repetition of such signals has the same meaning)
By night	 three white star signals fired at approximately 1 minute intervals		

Landing place signals given to boats carrying the crew or persons in distress

	Hand signal	Light signals	Other signals	Meaning
By day	  vertical waving of white flag or arms	 or: firing of green star	 Morse code K signal by light or sound	
By night	 vertical waving of white light or flare*	 or: firing of green star	 Morse code K signal by light or sound	Safe to land here.

* Direction may be indicated by putting one white light or flare at a lower level and in observer's direction.

A

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