

LEGENDA

PERICOLOSITA' DEI PROCESSI FRANOSI

Zone con attività fino a 20°: non presentano problematiche legate a dissesti gravitativi con meccanismo di scivolamento profondo

Zone con attività dal 21° al 60°: sono possibili dissesti gravitativi con meccanismo di scivolamento profondo e/o superficiale, la probabilità di accadimento del fenomeno è fortemente condizionata da una serie di fattori geologici/geomeccanici, tra i quali il tipo di i suoi parametri geologici e geomeccanici. In condizioni geometriche sono discontinuità presenti, la presenza e il meccanismo di circolazione delle acque

Zone con attività dal 61° al 90°: sono probabili dissesti gravitativi con meccanismo di scivolamento profondo e/o superficiale, la probabilità di accadimento del fenomeno è fortemente condizionata da una serie di fattori geologici/geomeccanici, tra i quali il tipo di i suoi parametri geologici e geomeccanici, in condizioni geometriche delle discontinuità presenti, la presenza e il meccanismo di circolazione delle acque. Tali fattori vanno indagati in maniera esaustiva a livello locale tramite osservazioni, indagini, stazioni di misura, verifiche di stabilità, ecc.

PERICOLOSITA' RIGUARDANTE L'IMPATTO ANTROPICO SULLA VULNERABILITA' DELLE FALDE

Zone con vulnerabilità bassa: trattasi di aree in cui la componente massiva è argillosa e predominante (Mm, Cm, Mm, Mm, Pm, Em, p) proteggendo dunque la falda circa sotterranea, se presente, da eventuali inquinanti. Valori della permeabilità media tra 10-4 e 10-5 cm/sec.

Zone con vulnerabilità condizionata: trattasi di aree in cui la componente calcarea è pari o predominante sulla massiva e argillosa (Mm, Mm, Gc, Gc, Gm, Gc) e la permeabilità è fortemente condizionata dalla presenza e persistenza delle eventuali discontinuità (fratture, diaclasi) e fenomeni carsici. Permeabilità prevalentemente di tipo secondario.

Zone con vulnerabilità elevata: trattasi di aree in cui la componente in sedimenti sciolti è quasi esclusiva (S, sf, h, s, s, Gm, Gm, Gm) favorendo dunque l'infiltrazione in falda, laddove presente, di inquinanti. La permeabilità è prevalentemente di tipo primario. Valori della permeabilità media tra 10-2 e 10-3 cm/sec.

AREE DI SALVAGUARDIA SORGENTI E POZZI (D.P.R. 236/88)

Fascia di rispetto sorgenti

Area di protezione sorgenti

Fascia di rispetto - area di protezione

Fascia di rispetto pozzi (criterio geometrico)

Fascia di rispetto ristretta pozzi

TTTT

Figlie (i trattini indicano la parte ribassata)

The main map is a detailed geological and hydrogeological map of the Ragusa area. It features a grid of cadastral parcels. Overlaid on this are various colored zones: red hatched areas indicating high landslide risk, green hatched areas for low groundwater vulnerability, and yellow/orange areas for protected springs and wells. A network of contour lines shows the topography. A red line with cross-ticks, likely a railway or major road, runs diagonally across the map. The town of Ragusa is visible in the center-left. A compass rose is located to the left of the map, and an inset map shows the location of the study area within the Sicilian region.

An inset map of Sicily with a grid of regional planning units. The unit corresponding to the study area is highlighted with a red hatched pattern. The grid labels include: 647150, 647151, 647152, 647153, 647154, 647155, 647156, 647157, 647158, 647159, 647160, 647161, 647162, 647163, 647164, 647165, 647166, 647167, 647168, 647169, 647170, 647171, 647172, 647173, 647174, 647175, 647176, 647177, 647178, 647179, 647180, 647181, 647182, 647183, 647184, 647185, 647186, 647187, 647188, 647189, 647190, 647191, 647192, 647193, 647194, 647195, 647196, 647197, 647198, 647199, 647200, 647201, 647202, 647203, 647204, 647205, 647206, 647207, 647208, 647209, 647210, 647211, 647212, 647213, 647214, 647215, 647216, 647217, 647218, 647219, 647220, 647221, 647222, 647223, 647224, 647225, 647226, 647227, 647228, 647229, 647230, 647231, 647232, 647233, 647234, 647235, 647236, 647237, 647238, 647239, 647240, 647241, 647242, 647243, 647244, 647245, 647246, 647247, 647248, 647249, 647250, 647251, 647252, 647253, 647254, 647255, 647256, 647257, 647258, 647259, 647260, 647261, 647262, 647263, 647264, 647265, 647266, 647267, 647268, 647269, 647270, 647271, 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