

Site investigation report checklist

- A scale plan showing all factors needed for design
- Soil: Minimum of two soil test pits logged to min. 90cm below proposed infiltrative surface (1m below lagoon base)
- Soil: Minimum of four soil permeability tests
- Soil: Estimate water table, Seasonal High Water Table (SHWT) and limiting layers in the soils (to min. 1.2m)
- Estimate how the effluent will flow away from the discharge area
- Description of underlying soils and rock
- Areas and description of imported fill materials
- Locate surface water bodies, water supplies/wells
- Locate services
- Locate other setback triggers including breakouts/drains
- Proposed and existing structures, driveways and land use, and surrounding land use
- Record site topography — including slope, slope type and slope location for proposed discharge area
- Measure % deflection of concave slopes where applicable
- Identify potential reserve areas
- Describe site drainage and hydrology of the site
- Describe site vegetation and history of how the site was used
- Locate and describe dispersal systems on site and nearby
- Locate relevant property lines, covenants and easements
- Easements and covenants information — including rights of way, property line location, zoning, development permit areas, and statutory building scheme etc.

DM SPM V3 Soil logs

DM SPM V2 Soil logs

Site/Soil log

Job:	Site:	Date:	Recorded by:
Weather:	No/type of pits:	Surface water:	
Slope:	Slope type/locn:	Freq/duration fi:	
Vegetation:	Substorey:	Type of bedrock/limiting layer:	
		Rock outcrops:	
Notes:			

Soils/site to be described using USDA or CANSIS system and abbreviations. Slope type: LL, LV, LC, VL, VV, VC, CL, CV, CC Slope position: SU, SH, BS, FS, TS
 Horizon: O, P (organic); A (mineral, humus accum/clay depletion); B (weathered mineral, oxidized, clay accum., structure); C (parent); E (mineral, loss of Fe, Al or org),
 Flooding/ponding: NO, VR, RA, RA, OC, FR, VFR Duration: EB, VB, B, L, VL
 Texture (of portion passing 2mm sieve): S, L, SL, C plus CO, F, VF for sand Coarse fragments can be shown by term (eg. "gravelly" or by percent).
 Structure: GR, ABK, SBK, PL, WEG, PR, COL, SGR, MA, CDY Grade: 0, 1, 2, 3 (where 0 = structureless, 1 = weak, 2 = moderate, 3 = strong. Size: VF, F, M, CO, VC, EC
 Redoximorphic: RMX. Quantity: f, c, m Size: 0, 1, 2, 3, 4, 5 Roots: Size: VF, F, M, C, VC Quantity: few=1, common=2, many=3
 Consistency: L, VFR, FR, FI, VFI moist or L, S, SH, MH, HA, VH dry

DM SPM V2 Soil logs