

Aberdeen Western Peripheral Route
Environmental Statement Appendices 2007
Part B: Northern Leg
Appendix A7.4 - Land Capability Assessment

Northern Leg					
Chainage (m)	Soil Description	Max Gradient	Wetness Class	Drainage status	LCA
314800					Woodland
314900	0-26 Br SaL, 26-39yBrLS, 39+ impenetrable	6	I	free	3.2s
315000	0-25 Br SaL, 25-35 yBr LS, 35+ impenetrable	2	I	free	3.2s
315000	0-39 DBr SaL, 39-88 Ybr SaSiL dark orange mottles	2	IV	imperfect	3.2w
315100	0-23 BrSaL, 23+ impenetrable	1	I	free	3.2s
315200	0-20 DBr SaL,20+ stone + wet	3	IV	poor	3.2w
315300	0-29 D Br SaL+stones, 29-48 yBr LSa+stones, 48+ impenetrable	3	I	free	3.2s
315400	0-29 D Br SaL+stones, 29-48 yBr LSa+stones, 48+ impenetrable	4	I	free	3.2s
315450	0-40 DBr SaSiL, 40-50 Br SaSiL, 50-63 OrBrSaSiL, 63+ stopped due to stones	4	I	Free	3.1s
315500	0-24 DBr SaL, 24+ compact stony Yellow SaL	5	I	free	3.2s
315600	0-24 DBr SaL, 24+ compact stony Yellow SaL	4	I	free	3.2s
315630	0-20 Br Grey SaL, 20+ stones shallow soil, Rockheads	5	I	free	5.2s
315700	0-28 DBr SaL, 28-48 Ybr SaSiL	3	I	free	3.2s
315800	0-30 DBr SaL, 30+ Ybr Sa/LS compact	4	I	free	3.2s
315900	0-35 DBr SaL, 35-38 Br SaSiL mottled, 38+ Br mottled SaSiL	3	IV	imperfect	3.2w
316000	0-20 DBr SaL, 20-30 Grey SaSiL mottled stronger with depth	3	IV	imperfect	3.2w
316100	Macaulay Land Use Research Institute Assessment				3.2
316200	Macaulay Land Use Research Institute Assessment				3.2
316300	Macaulay Land Use Research Institute Assessment				3.2
316400	Macaulay Land Use Research Institute Assessment				Woodland
316500	Macaulay Land Use Research Institute Assessment				Woodland
316600	Macaulay Land Use Research Institute Assessment				3.2
316700	Macaulay Land Use Research Institute Assessment				3.2

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316800	Macaulay Land Use Research Institute Assessment				Woodland
316900	Macaulay Land Use Research Institute Assessment				3.2
317000	Macaulay Land Use Research Institute Assessment				Woodland
317100	Macaulay Land Use Research Institute Assessment				3.2
317200	Macaulay Land Use Research Institute Assessment				Woodland
317300	Macaulay Land Use Research Institute Assessment				Woodland
317400	Macaulay Land Use Research Institute Assessment				3.2
317500	Macaulay Land Use Research Institute Assessment				3.2
317600	Macaulay Land Use Research Institute Assessment				3.2
317700	Macaulay Land Use Research Institute Assessment				3.2
317800	Macaulay Land Use Research Institute Assessment				3.2
317850	0 - 31 DBr SaL, 31 - 45 OrBrSaL, 45+ impenetrable	5	I	free	3.2(s)
317900	Macaulay Land Use Research Institute Assessment				3.2
318000	Macaulay Land Use Research Institute Assessment				3.2
318100	0-26 DBr SaSiL stony, 26-42 Orange Br SaSiL Stony >42cm	7	I	free	3.2s
318200	0-33 DBr SaSiL stony, 33-44 Br SaSiL Stony >44cm	9	I	free	3.2sg
318300	Macaulay Land Use Research Institute Assessment				3.2
318400	Macaulay Land Use Research Institute Assessment				3.2
318500	Macaulay Land Use Research Institute Assessment				3.2
318600	Macaulay Land Use Research Institute Assessment				3.2
318700	Macaulay Land Use Research Institute Assessment				3.2

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318800	Macaulay Land Use Research Institute Assessment				3.2
318900	0-28 DBr SaSiL, 28-44 LBr mottled SaSiL	5	IV	imperfect	3.2w
319000	0-24 Br SaSiL, 24-38 LBr SaL, 38+ very stony	7	I	free	3.2s
319100	0-32 Br SaSiL, 32-56 OrangeRedBr stained SaSiL	7	I	free	3.2s
319200	13-0 Litter, 0-22 Br SaSiL, OrangeBr SaSiL	16	I	free	5.3g
319300	5-0 Litter, 0-30 Br SaSiL, 30-45 LBr less organic matter SaSiL	7	I	free	3.2s
319400	0-34 Br SaSiL, 34-53 OrangeRedBr SaL	7	I	free	3.2s
319500	0-31 Br SaL, 31-57 LBr SaL, 57+ impenetrable stony	8	I	free	3.2gs
319600	0-33 Br SaL, 33-56 YBr SaSiL, 56+ impenetrable stony	8	I	free	3.2gs
319650	0-31 Br SaL, 31-53 YBr SaSiL, 53+ impenetrable stony	8	I	free	3.2gs
319700	6-0 Peat, 0-28 Black humose SaL, 28-36 YBr SaL, 36 Impenetrable stony	0	I	free	4.2s
319800					Woodland
319900	0-32 DBr fine SaL, 32-39 YBr SaSiL, 39+ impenetrable stony	3	I	free	3.2s
319940	0-10 Peat, 10+ rock	3	I	free	6.1s
320100					Woodland
320200					Woodland
320240					Woodland
320300					Woodland
320400	0-26 DBr SaSiL, 26+ very stony	7	I	free	5.2s
320500	0-41 DBr SaSiL, 41-55 GreyBr coarse LSa, 55-67 GreyBr coarse mottled SaSiL	5	III	imperfect	3.1w
320600	0-31 DBr (gleyed) SaSiL, 31-52 OrangeBr mottled SaL	5	IV	imperfect	3.2w
320700	0-29 DBr SaSiL, 29-39 OrangeBr mottled SaL	5	IV	imperfect	3.2w
320800	0-26 Br SaSiL, 26-40 OrangeBr SaSiL	7	I	free	3.2s
320900	0-20 Br SaSiL, 20-38 Ybr fine SaL	16	I	free	6.1gs
321000	0-5 Br SaSiL, 5+ rock	10	I	free	6.1s
321100	0-5 Peat, 5+ rock	10	V	poor	6.1gs

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321200	0-5 Peat, 5+ rock	18	V	poor	6.1sw
321300					Woodland
321400					Woodland
321500					Woodland
321600					Woodland
321700	0-28 DBr SaSiL, 28+ impenetrable stony	6	I	free	3.2s
321800	0-25 DBr fine SaSiL, 25-28 Yellow SaSiL, 28+ impenetrable stony/rock	5	I	free	3.2.s
321900	0-25 DBr fine SaSiL, 25-28 Yellow SaSiL, 28+ impenetrable stony/rock	4	I	free	3.2s
322000	0-30 DBr fine SaSiL, 30-40 LBr fine SaSiL, 40+ impenetrable stony	6	I	free	3.2s
322100	0-30 DBr SaL, 30-38, grey Br SaSiL, 38-42 RBr SaSiL, 42+ impenetrable stony.	6	I	free	3.2s
322200	0-32 DBr fine SaL, 32-45 dull Br no mottles, 45+ impenetrable stony.	3	I	free	3.2s
322300	0-42 DBr fine SaL, 42-60 dull YBr weakly mottled fin SaL, 60+ impenetrable stony	3	III	imperfect	3.1w
322400	0-42 DBr fine SaL, 42-58 RBr fine SaL, 58+ impenetrable stony	3	I	free	3.1s
322500	0-30 DBr SaSiL/SaL, 30-38 RBr SaL, 38-50 Yellow SaL/LS, 50+ impenetrable stony	4	I	free	3.1s
322600	0-48 DBr fine SaL, 48-52 OrangeBr v stony Lsa	1	I	free	3.2s

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Chainage (m)	Soil Description	Max Gradient	Wetness Class	Drainage status	LCA
322700	0-68 DBr fine SaSiL/SaSiL, 68-100 LBr SaSiL	3	I	free	3.2s
322800	0-33 DBr SaSiL, 33-40 LBr coarse stony SaSiL	7	I	free	3.2s
322900	0-31 DBr stony SaSiL, 31-40 Br stony SaSiL, 40-52 LBr coarse LSa/SaL	7	I	free	3.2s
323000	0-38 DBr SaSiL, 38-55 Br SaSiL, 55-71 organic SiL, 71-100+ coarse Br SaL/LSa	1	I	free	3.1w
323100	0-28 Br SaL/LSa, 28-56 B LSa, 56-95 Br mottled SaSiL/Lsa, 95-100+ GreyBr SiL	1	III	imperfect	3.2w
323200	0-30 DBr Lsa, 30-100 LBr Sa	1	I	free	3.2s
323300	0-28 DBr stony SaSiL, 28-46 Br SaL	5	I	free	3.2s
323400	0-32 Br fine SaL, 32-51 Bl fine SaL, 51-63 OrangeBr fine SaL. 63-100+ LBr Sa	1	I	free	3.1s
323500	0-26 Br fine SaL/SaSiL, 26-50 Orange fine mottled LSa, 50-100+ LBr very fine LSa	1	I	free	3.1s
323600	0-27 DBr fine SaL, 27+ impenetrable stony	2	I	free	3.2s
323700	0-31 DBr fine SaL, 31-40 RBr SaL, 40+ impenetrable stony	4	I	free	3.2s
323800	0-32 DBr SaL, 32-58 RedBr SaL, 58+ impenetrable stony	3	I	free	3.1s
323900	0-26 Br SaL, 26-33 LBr SaL, 33+ impenetrable stony	4	I	free	3.2s
324000	0-70 Br fine stony SaL	4	I	free	3.1s
324100	0-42 Br fine stony SaL	5	I	free	3.2s
324200	0-35 Br fine stony SaL, 35+ OrangeBr Sand+Gravel	10	I	free	3.2s
324300	0-26 DBr SaL + stones, 26+ impenetrable stony.	4	I	free	3.2s
324400	0-30 DBr SaL + stones, 30+ impenetrable stony.	0	I	free	3.2s
324500	0-29 DBr fine SaL, 29-36 YBr, 36+ impenetrable stony	0	I	free	3.2s
324600	0-33 DBr SaSiL, 33-41 coarse Br LS, 41+ impenetrable stony	0	I	free	3.2s
324700	0-39 DBr SaL + stones, 39-44 red Br SaL + stones, too stony below 44	3	I	free	3.2s
324800	0-41 DBr SaL + stones, 41-54 red Br SaL + stones, too stony below 54	2	I	free	3.2s
324900	0-32 DBr fine SaL, 32-63 OrangeBr mottled SaL	7	IV	imperfect	3.2gw
324950	0-26 Br SaSiL, 26-35 LBr mottled fine SaSiL/SiL, 35-66 Grey Lsa, 66+ stony	7	IV	imperfect	3.2gw
325000	0-22+ DBr stony SaSiL	5	I	free	3.2s

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325100	0-32 Br fine SaL, 32-42 mottled coarse SaL	3	IV	imperfect	3.2w
325200	0-25 Br fine stony SaL, 25-41 OrangeBr v stony SaL	7	I	free	3.2gs
325300	0-26 LBr stony SaSiL, 26-38 LBr dense stony fine SaL/SaSiL	4	I	free	3.2s
325400	0-38 Br fine SaL, 38-60 YBr mottled SaL, 60+ stony	5	III	imperfect	3.2w
325480	0-21 Br SaL, 21-37 LBr SaSiL, 37+ stony	5	I	free	3.2s
325600					Woodland
325700					Woodland
325800					Woodland
325900					Woodland
326000	0-33 DBr Black SaSiL, 33-43 Grey SaSiL, 43+ Grey mottled SaSiL	1	III	imperfect	3.2sw
326100	0-37 Br SaSiL, 37+ LBr mottled stiff SaSiL/SaCL	1	IV	imperfect	3.2w
326200	0-37 Br SaSiL, 37+ Br mottled SaSiL	1	IV	imperfect	3.2w
326300	0-35 DBr SaL, 35-50+ LBr coarse LS/S	1	IV	imperfect	3.2w
326400	0-30 DBr SaSiL, 30+ Br mottled SaSiL	1	IV	imperfect	3.2w
326500	0-30 Br SaSiL, 30-65 LBr mottled SaSiL	1	IV	imperfect	3.2w

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326600	0-30 Br wet SaSiL, 30-65, GreyBr SaSiL	1	III	imperfect	3.1w
326700	0-28 Br SaSiL, 28-50 LBr mottled SaSiL	3	IV	imperfect	3.2w
326780	0-35 Br SaSiL, 35-50 OrangeBr with LBr mottles SaSiL	3	IV	imperfect	3.2w
326900	0-27 DBr SaSiL, 27-50 RBr SaSiL	3	I	free	3.1s
327000	0-27 DBr SaSiL, 27-50 RBr SaSiL	4	I	free	3.1s
327100	0-27 DBr SaSiL, 27-42 Grey Br SaSiL, 42+ Grey Br weak mottled SaSiL	3	III	imperfect	3.1w
327200	0-26 DBr SaSiL, 26-45+ DGrey mottled SaL	0	IV	imperfect	3.2sw
327300	0-26 DBr SaSiL, 26-45+ DGrey mottled SaL	0	IV	imperfect	3.2sw
327400	0-41 DBr SaSiL, 41+ Grey weak mottled SaSiL	0	III	imperfect	3.1w
327500	0-30 DBr SaL + stones, 30-35 Br SaL + stones, 35+ impenetrable stony	1	I	free	3.2s
327600	0-31 DBr SaSiL, 31+ Grey Br mottled SaSiL	3	IV	imperfect	3.2sw
327700	0-26 DBr SaSiL + stones, 26+ impenetrable stony	3	I	free	3.2s
327800	0-29 Br SaSiL, 29-54 OrangeBr SaSiL	3	I	free	3.1s
327900	0-32 Br SaSiL, 32-46 Br SaSiL	1	I	free	3.2s
328000	0-18 BI organic SaL, 18-27 Purple SaSiL, 27-46 OrangeBr fine SaL/SaSiL	3	IV	imperfect	3.2w
328100	0-25 DBr organic SaL, 25-43 Orange Br stony SaSiL	7	I	free	3.2s
328200	0-24 DBr organic SaSiL, 24-37 Orange Br SiL, 37-54 LBr mottled SaSiL	3	IV	imperfect	3.2w
328300	0-28 DBr SaSiL, 28-34 OrangeBr stony SaSiL, 34-49 LBr orange stones SaSiL	4	IV	imperfect	3.2w
328400	0-31 DBr SaSiL, 31-36 OrangeBr stony SaSiL, 36-52 LBr orange stones SaSiL	1	III	imperfect	3.1sw
328500	0-24 DBr SaSiL, 24-45 OrangeBr SaL, 45-55 LBr slightly mottled SaSiL	4	III	imperfect	3.1w
328600	0-26 DBr SaSiL, 26-33 Yellow SaSiL, 33+ Impenetrable stony.	2	I	free	3.2s
328700	0-26 DBr SaSiL, 26-33 Yellow SaSiL, 33+ Impenetrable stony.	2	I	free	3.2s
328800	0-26 DBr SaSiL, 26-33 Yellow SaSiL, 33+ Impenetrable stony.	2	I	free	3.2s

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328900	0-30 DBr SaSiL, 30-43 Yellow SaSiL, 43+ impenetrable stony.	2	I	free	3.2s
329000	0-28 DBr SaSiL, 28-33 Yellow SaSiL, 33+ impenetrable stony.	0	I	free	3.2s
329100	0-28 DBr SaSiL, 28-33 Yellow SaSiL, 33+ impenetrable stony.	2	I	free	3.2s
329200	0-22 DBr SaSiL + stones, 22+ impenetrable stony.	2	I	free	3.2s
329300	0-22 DBr SaSiL + stones, 22+ impenetrable stony.	3	I	free	3.2s
329400	0-31 DBr SaSiL, 31-41 Yellow SaSiL, 41+ impenetrable stony.	3	I	free	3.2s
329500	0-32 DBr SaSiL, 32-36 Yellow SaSiL, 36+ impenetrable stony	3	I	free	3.2s
329600	0-38 DBr SaSiL, 38-66 Br mottled at 50 SaSiL	3	III	imperfect	3.1w
329700	0-31 DBr SaSiL, 31-50 OrangeBr SaSiL, 50+ stony	4	I	free	3.1s
329800	0-41 DBr SaL, 41-56 yellow Br LSa	6	I	free	3.1s
329850	0-28 Br LSa + stones, 28-34+ oran Br LSa + stones	3	I	free	5.1s
329900	0-28 DBr SaL, 28-48 GreyBr mottled SaL	6	IV	imperfect	3.2w
330000	0-39 DBr LSa, 39-54 grey LSa, mottled Sand below 54	4	III	imperfect	3.1sw
330050	0-43 DBr SaSiL, 43-65 grey Br mottled SaSiL	3	III	imperfect	4.1w
330100	0-30 DBr SaSiL, 30-58+ red Br SaSiL	2	I	free	3.1s
330200	0-42 DBr SaSiL, 42+ red Br SaSiL +stones	4	I	free	3.1s
330300	0-36 DBr SaL, 36-43 Br SaL, 43-60+ Br mottled SaL	2	III	imperfect	3.1w
330400	0-37 DBr SaL, 37-45 yellow Br LSa, 45-69+ yellow Br mottled SaSiL	3	III	imperfect	3.1w
330500	0-33 DBr SaL, 33-55 grey Br LSa, stony below 55	4	I	free	3.1s
330600	0-31 DBr SaL, 31-62+ L Br LSa	3	I	free	3.1s
330700	0-31 DBr saL, 31-47 red Br LSa +stones, too stony below 47	4	I	free	3.2s
330800	0-30 DBr SaL, 30-46 yellow Br LSa +stones, stony below 46	3	I	free	3.2s
330900	0-27 DBr SaL, 27-53 grey Br LSa, 53-64+ grey Br mottled LSa	2	III	imperfect	3.1sw