Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID:1493Observation ID:1Agency Name:QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary Locality: Date Desc. 28/10/92 Elevation: No Data Map Ref: Sheet No.: 8056 GPS Rainfall: No Data Sorting/Lat: 359950 Datum::AGD66 Drainage: Poorly drained ExposureType: No Data Conf. Sub. is Parent. Mat: No Data Geol. Ref: No Data Substrate Material: Undisturbed soil core, No Data Geol. Ref: No Data Substrate Material: No Data Geol. Ref: No Data Substrate Material: No Data Geol. Ref: No Data Substrate Material: No Data Surface Soil Condition (dry): Hardsetting Frincipal Profile Form: Uf6.32 Surface Soil Condition (dry): Hardsetting Principal Profile Form: Uf6.32 ASC Confidence: Mapping Unit: N/A No analytical data are available but confidence is fair. Site Disturbance: No effective disturbance coher than grazing by hoofed animals Vegetation: Low Strata - Tree, 6.01-12m, Sparse. "Species includes - Eucalyptus brownii, Atalaya Inriguca Tall Strata - Tree, 6.01-12m, Sparse. "Species includes - Eucalyptus br		ormation									
Map Ref: Sheet No.: 8056 GPS Rainfall: No Data NorthingLog: 7711694 AMG Sone: 55 Runoff: Slow EastingLat:: 359950 Datum: AGD66 Drainage: Poorly drained Geology ExposureType: No Data Conf. Sub. Is Parent. Mat.: No Data Geol. Ref.: No Data Substrate Material: Undisturbed soil core, No Data Land Form Flat Relificity No Data Rel/Stope Class: Level plain <9m <1% Pattern Type: Plain Morph. Type: Flat Relificity No Data Stope: 1 % Aspect: No Data Stope: 1 % Aspect: No Data Soli Classification Mapping Unit: N/A Australian Soil Classification: Mapping Unit: N/A No analytical data are available but confidence is fair. Sol Group: N/A Site Disturbance: No effective disturbance other than grazing by hoofed animals Vegetation: Low Strata - Tuscok (grass, 0.240-0.5m, Sparse: "Species includes - Eucalyptus brownii, Atalaya hemiglauca Funcipal Profile Form: Uf6.32 Strata - Strack (grassin brown			Rogers, Gary	Locality:		ta					
Northing/Long: 7711694 AMG zone: 55 Runoff: Slow Easting/Lat: 359950 Datum: AGD66 Drainage: Poorly drained Geology ExposureType: No Data Conf. Sub. is Parent. Mat:: No Data Geol. Ref: No Data Substrate Material: Undisturbed soil core, No Data ExposureType: No Data Substrate Material: Undisturbed soil core, No Data Eand Form Rel/Slope Class: Level Jama Rel/Slope Category: Level Slope: 1 % Aspect: No Data Surface Soil Condition (dry): Hardsetting Soil Classification: Mapping Unit: N/A Haddedita are available but confidence is fair. Site Disturbance: No effective disturbance other than grazing by hoofed animals Vegetation: Low Strata - Tuseock grass, 0.26-0.5m, Sparse. "Species includes - Bothriochioa species, Dichanthium spec Cyperus species/Mid Strata - Tree, 6.01-12m, Sparse. "Species includes - Buthriothioa species, Dichanthium spec Cyperus species/Mid Strata - Tree, 6.01-12m, Sparse. "Species includes - Eucalyptus brownii Surface Coarse Fragments: No aufrace Coarse fragments: No aufrace Coarse fragments: No aufrace Coarse fragments: Profile Morphology A1 0 -0.03 m Dark gr											
Easting/Lat: 359950 Datum: AGD66 Drainage: Poorly drained Geology ExposureType: No Data Conf. Sub. is Parent. Mat:: No Data Geol. Ref:: No Data Substrate Material: Undisturbed soil core, No Data Geol. Ref:: No Data Substrate Material: Undisturbed soil core, No Data Rel/Stope Class: Level plain <9m <1% Pattern Type: Plain Rel/Stope Class: Level plain <9m <1% Pattern Type:: No Data Stope: 1 % Aspect: No Data Stope: 1 % Aspect: No Data Soil Classification: Mapping Unit:: N/A Hapic Crusty Black Vertosol Non-gravely Silty Very fine Deep Principal Profile Form: U/G.32 Site Disturbance: No effective disturbance other than grazing by hoofed animals Vegetation: Site Disturbance: No effective disturbance others final; Site Disturbance: No suface coarse fragments: Profile Morphology Aark greyish brown (10YR4/2-Moist); Sity light day; Moderate grade of structure, 2-5 mm, Platy; change to A1 0 -0.03 m Dark greyish brown (10YR4/2-Moist); Sity light medium clay; Moderate gr						la					
Geology Conf. Sub. is Parent. Mat.: No Data ExposureType: No Data Substrate Material: Undisturbed soil core, No Data ReliStope Class: Level plain <9m <1% Pattern Type:: Plain Relife: No Data Substrate Material: Undisturbed soil core, No Data Stope: Plain Stope Category: Level Stope: 1% Aspect: No Data Surface Soil Condition (dry): Hardsetting Fincipal Profile Form: Uf6.32 ASC Confidence: Asc Confidence: N/A No analytical data are available but confidence of the ring grazing by hoofed animals Vegetation: Low Strata - Tree, 6.01-12m, Sparse. "Species includes - Bothricchoa species, Dichanthium spec Cyperus speciesMid Strata - Tree, 1.01-3m, Isolated plants. "Species includes - Eucalyptus brownii Surface Coarse Fragments: No surface coarse fragments: No surface coarse fragments; Profile Morphology A1 0 - 0.03 m Dark greyish brown (10YR4/2-Moist); : Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; Calcareous, ; : Gypseous, ; Field PH 6 (Raupach, 0.03): Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); : Light medium clay; Moderate grade of structure, 1						drained					
Exposure Type: No Data Conf. Sub. is Parent. Mat.:: No Data Geol. Ref.: No Data Substrate Material: Undisturbed soil core, No Data Land Form Rel/Slope Class: Level plain <9m <1% Pattern Type:: Plain Morph. Type: Plain Rel/Slope Class: Level plain <9m <1% Aspect: No Data Slope: 1 % Aspect: No Data No Data Surface Soil Condition (dry): Hardsetting Hardsetting Forsion: Soil Classification: Aspect: No Data N/A Haplic Crusty Black Vertosol Non-gravelly Silty Very fine Deep Principal Profile Form: Uf6.32 ASC Confidence: No analytical data are available but confidence is fair. Step Disturbance: No Arastra - Tussock grass, 0.26-0.5m, Sparse. "Species includes - Bothriochloa species, Dichanthium speci Cyperus speciesMid Strata - Tree, 1.01-3m, Isolated plants. "Species includes - Eucalyptus brownii, Atalaya hemiglauca Tall Strata - Tree, 6.01-12m, Sparse. "Species includes - Eucalyptus brownii A1 0 - 0.03 m Dark greyish brown (10YR4/2-Moist); Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry, Calcareous, .; , Gypseous, .; Fie				g-	,						
Geol. Ret. No Data Substrate Material: Undisturbed soil core, No Data Land Form Rel/Slope Class: Level plain <9m <1%			No Data	Conf. Sub. is	Parent. Mat.	: No Dat	а				
Rel Stope Class: Level plain <9m <1%.				Substrate Ma							
Elem. Typic: Plain Slope Category: Level Slope: 1% Aspect: No Data Surface Soil Condition (dry): Hardsetting Erosion: Soil Classification Australian Soil Classification: Mapping Unit: N/A Haplic Crusty Black Vertosol Non-gravelly Silty Very fine Deep Principal Profile Form: Uf6.32 ASC Confidence: No analytical data are available but confidence is fair. Site Disturbance: No Effective disturbance other than grazing by hoofed animals Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. "Species includes - Bothriochloa species, Dichanthium spec Cyperus speciesMid Strata - Tree, 1.01-3m, Isolated plants. "Species includes - Eucalyptus brownii, Atalaya nemiglauca Tall Strata - Tree, 6.01-12m, Sparse. "Species includes - Eucalyptus brownii Surface Coarse Fragments: No surface coarse fragments Profile Morphology Dark greyish brown (10YR3/2-Moist); Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; Calcareous, .; Gypseous, .; Field PH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); Light medium clay; Moderate grade of structure, 10-20 mm, Polyhedrai; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Calcareous, .; , Gypseous, .; Field PH 6 (Raupach, 0.1); Clear change to <	Rel/Slop	pe Class:	•			ta					
Stope: 1 % Aspect: No Data Surface Soil Condition (dry): Hardsetting Frosion: Soil Classification Australian Soil Classification: Mapping Unit: N/A Haplic Crusty Black Vertosol Non-gravelly Silty Very fine Deep Principal Profile Form: Uf6.32 ASC Confidence: N/A Great Soil Group: N/A No analytical data are available but confidence is fair. Site Disturbance: No effective disturbance other than grazing by hoofed animals Vegetation: U/A Vegetation: Low Strata - Tuscok grass, 0.26-0.5m, Sparse. "Species includes - Bothriochloa species, Dichanthium spec Cyperus speciesMid Strata - Tree, 1.01-3m, Isolated plants. "Species includes - Eucalyptus brownii, Atalaya hemiglauca Tall Strata - Tree, 6.01-12m, Sparse. "Species includes - Eucalyptus brownii Surface Coarse Fragments: Profile Morphology A1 0 - 0.03 m Dark greyish brown (10YR4/2-Moist); Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; Calcareous, ; ; Gypseous, ; Field pH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); Field pH 6 (Raupach, 0.1); Clear change to - B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, fine gravelly, 2-6mm, Subrounded, Quartz, coarse fragments;						la					
Surface Soil Condition (dry): Hardsetting Frosion: Soil Classification Australian Soil Classification: Mapping Unit: N/A Haplic Crusty Black Vertosol Non-gravelly Silty Very fine Deep ASC Confidence: Mapping Unit: N/A No analytical data are available but confidence is fair. Great Soil Group: N/A Site Disturbance: No effective disturbance other than grazing by hoofed animals Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. "Species includes - Bothriochloa species, Dichanthium speci Cyperus speciesMid Strata - Tree, 1.01-3m, Isolated plants. "Species includes - Eucalyptus brownii, Atalaya remiglauca Surface Coarse Fragments: No surface coarse fragments: Profile Morphology Park greyish brown (10YR4/2-Moist); Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry, Calcareous, ,; , Gypseous, ,; Field pH 6 (Raupach, 0.03); Abrupt change to B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedrai; Smooth-ped fabric; Dry, 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Calcareous, ,; Gypseous, ,; Field pH 6 (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Calcareous, ,; Gypseous, ,; Field pH 6 (Raupach, 0.4); Calcareous, ; , Gypseous, ; Field pH 7 (Ruapach, 0.4); Gradual change to -		J po.		•	•	ta					
Erosion: Soil Classification Mapping Unit: N/A Australian Soil Classification: Mapping Unit: N/A Haplic Crusty Black Vertosol Non-gravelly Silty Very fine Deep ASC Confidence: Mapping Unit: N/A No analytical data are available but confidence is fair. Great Soil Group: N/A Site Disturbance: No effective disturbance other than grazing by hoofed animals Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. "Species includes - Bothriochloa species, Dichanthium speci Cyperus speciesMid Strata - Tree, 1.01-3m, Isolated plants. "Species includes - Eucalyptus brownii, Atalaya hemiglauca Surface Coarse Fragments: No surface coarse fragments: No surface coarse fragments: Profile Morphology A1 0 - 0.03 m Dark greyish brown (10YR4/2-Moist); Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; Calcareous, ; Gypseous, ; Field pH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Calcareous, ; Gypseous, ; Field pH 6 (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, fine gravelly, 2-6mm, Subrounded, Quartz, coarse fragments; , Calcareous, ; ; Gypseous, ; Field pH 7 (Raupach, 0.4); Gradual chanage to - B22	-	e Soil Coi	ndition (dry): Hardsetting								
Australian Soil Classification: Haplic Crusty Black Vertosol Non-gravelly Silty Very fine Deep ASC Confidence: Mapping Unit: N/A No analytical data are available but confidence is fair. Great Soil Group: N/A Site Disturbance: No effective disturbance other than grazing by hoofed animals Wedetation: N/A Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. "Species includes - Bothriochloa species, Dichanthium specicyperus speciesMid Strata - Tree, 1.01-3m, Isolated plants. "Species includes - Eucalyptus brownii, Atalaya hemiglauca Tall Strata - Tree, 6.01-12m, Sparse. "Species includes - Eucalyptus brownii Surface Coarse Fragments: No surface coarse fragments Profile Morphology A1 0 - 0.03 m Dark greyish brown (10YR4/2-Moist); Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; Calcareous, ; ; Gypseous, ; Field pH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Calcareous, ; ; Gypseous, ; Field pH 6 (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, Faint; Mottles, 2-10%; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 2-50 mm, Subonuded, Quartz, coarse fragments; , Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.4)	Erosio	<u>n:</u>									
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ASC Confidence: Great Soil Group: N/A No analytical data are available but confidence is fair. Site Disturbance: No effective disturbance other than grazing by hoofed animals Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. "Species includes - Bothriochloa species, Dichanthium speci Cyperus speciesMid Strata - Tree, 1.01-3m, Isolated plants. "Species includes - Eucalyptus brownii, Atalaya hemiglauca Tall Strata - Tree, 6.01-12m, Sparse. "Species includes - Eucalyptus brownii Surface Coarse Fragments: No surface coarse fragments Profile Morphology A1 0 - 0.03 m A1 0 - 0.03 m Dark greyish brown (10YR4/2-Moist); ; Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; Calcareous, ; , Gypseous, ; Field pH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quarz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, Faint; Mottles, 2-10%, fine gravelly, 2-6mm, subrounded, Quarz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.4); Gradual change to - B22 0.45 - 1 m Grey (10YR5/1-Moist); Mottles, 10YR53, 2-10%, fine gravelly, 2-6mm, Subangular blocky; Moderate grade of structure, 2-50 mm, Subang											
No analytical data are available but confidence is fair. Site Disturbance: No effective disturbance other than grazing by hoofed animals Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Bothriochloa species, Dichanthium speci Cyperus speciesMid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eucalyptus brownii, Atalaya nemiglauca Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii Surface Coarse Fragments: No surface coarse fragments Profile Morphology Nark greyish brown (10YR4/2-Moist); ; Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6. (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, Fiant; Mottles, 2-10%; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to - B22 0.45 - 1 m Grey (10YR5/1-Moist); Medium clay; Moderate grade of structure, 20-50 mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, ; Field pH 7.5 (Raupach, 0.9); Grad	•			•	•						
Site Disturbance: No effective disturbance other than grazing by hoofed animals Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Bothriochloa species, Dichanthium species, Dichan					Great Soil Gro	oup:	N/A				
Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Bothriochloa species, Dichanthium speci Cyperus speciesMid Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eucalyptus brownii, Atalaya Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii Surface Coarse Fragments: Profile Morphology A1 0 - 0.03 m Dark greyish brown (10YR4/2-Moist); ; Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, Fiant; Mottles, 2-10%; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to - B22 0.45 - 1 m Grey (10YR5/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9);											
Cyperus speciesMid Štrata - Tree, 1.01-3m, Isolated plants. *Species includes - Eucalyptus brownii, Atalaya hemiglauca Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii Surface Coarse Fragments: No surface coarse fragments: No - 0.03 m Dark greyish brown (10YR4/2-Moist); ; Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, Fiant; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to - B22 0.45 - 1 m Grey (10YR5/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to - B23 1 - 1.2 m Greyish brown (2.5Y5/2-Moist); :				0 0 ,							
hemiglauca Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii Surface Coarse Fragments: No surface coarse fragments: Profile Morphology A1 0 - 0.03 m Dark greyish brown (10YR4/2-Moist); ; Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, Finit; Mottles, 2-10%; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to - B22 0.45 - 1 m Grey (10YR5/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to - B23 1 - 1.2 m Greyish brown (2.5Y5/2-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moist; 2-10%, fine gravell	Vegeta	tion:									
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii Surface Coarse Fragments: No surface coarse fragments Profile Morpholoay A1 0 - 0.03 m Dark greyish brown (10YR4/2-Moist); ; Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10% , Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to - B22 0.45 - 1 m Grey (10YR5/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to - B23 1 - 1.2 m Greyish brown (2.5Y5/2-Moist); : Light medium clay; Weak grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moist; 2-10%, fine gravelly, 2-6mm, subrounded, Qua		~~	Cyperus speciesMid Strata - Tr	ee, 1.01-3m, Is	olated plants.	*Species in	ncludes - Eucalyptus brownii, Atalaya				
Surface Coarse Fragments: No surface coarse fragmentsProfile MorphologyA10 - 0.03 mDark greyish brown (10YR4/2-Moist); ; Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to -B10.03 - 0.15 mVery dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change toB210.15 - 0.45 mDark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to -B220.45 - 1 mGrey (10YR5/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to -B231 - 1.2 mGreyish brown (2.5Y5/2-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to -	lonngiaa	Ju									
Surface Coarse Fragments: No surface coarse fragmentsProfile MorphologyA10 - 0.03 mDark greyish brown (10YR4/2-Moist); ; Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to -B10.03 - 0.15 mVery dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change toB210.15 - 0.45 mDark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to -B220.45 - 1 mGrey (10YR5/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to -B231 - 1.2 mGreyish brown (2.5Y5/2-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to -			Tall Strata - Tree, 6.01-12m, Sc	oarse. *Species	includes - Eu	icalvotus br	ownii				
Profile Morphology A1Dark greyish brown (10YR4/2-Moist); ; Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to -B10.03 - 0.15 mVery dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10- 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change toB210.15 - 0.45 mDark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10%, Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to -B220.45 - 1 mGrey (10YR5/1-Moist); Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to -B231 - 1.2 mGreyish brown (2.5Y5/2-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Pyrismatic; Smooth-ped fabric; Moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to -	Surface	e Coarse				, , , , , , , , , , , , , , , , , , ,					
 A1 0 - 0.03 m Dark greyish brown (10YR4/2-Moist); ; Silty light clay; Moderate grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to - B1 0.03 - 0.15 m Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10% , Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to - B22 0.45 - 1 m Grey (10YR5/1-Moist); Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; -Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to - B23 1 - 1.2 m Greyish brown (2.5Y5/2-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; -Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to - 				0							
 20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to B21 0.15 - 0.45 m Dark grey (10YR4/1-Moist); Mottles, 10YR53, 2-10% , Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to - B22 0.45 - 1 m Grey (10YR5/1-Moist); Medium clay; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to - B23 1 - 1.2 m Greyish brown (2.5Y5/2-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 1.2); 			Dark greyish brown (10YR4 Rough-ped fabric; Dry; , Ca								
 Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Gradual change to - B22 0.45 - 1 m Grey (10YR5/1-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to - B23 1 - 1.2 m Greyish brown (2.5Y5/2-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 1.2); 	B1	0.03 - 0.1	20 mm, Polyhedral; Smooth	20 mm, Polyhedral; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz,							
 Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change to - B23 1 - 1.2 m Greyish brown (2.5Y5/2-Moist); ; Light medium clay; Weak grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 1.2); 	B21	0.15 - 0.4	Moderate grade of structure moist; 2-10%, fine gravelly,	Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; ,							
Prismatic; Smooth-ped fabric; Moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 1.2);	B22	0.45 - 1 m	Grey (10YR5/1-Moist); ; Me Moderate grade of structur gravelly, 2-6mm, subrounde walls coated, faint; , Calcare	Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.9); Gradual change							
Morphological Notes	B23	1 - 1.2 m	Prismatic; Smooth-ped fabri	Prismatic; Smooth-ped fabric; Moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse							
	Morpho	ological N	lotes								
Observation Notes											

Observation Notes

Site Notes

Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID:1493Observation ID:1Agency Name:QLD Department of Primary Industries

Laboratory Test Results:

Depth m	рН	1:5 EC dS/m	Excha Ca M	angeable g	Cations K	Ex Na Cmol (+)/	kchangeable Acidity kg	CEC		ECEC	ESP %	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Pa GV	rticle CS	Size FS	Analysis Silt Clay	
m	%	%	mg/kg	%	%	%	Mg/m3			%	,	
Depth	COLE	0-4	Gravimetric/Volumetric Water Contents 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar						Ks	at	K unsat	
m		Sat.	0.05 Bar (0.5 Bar g - m3/m3	1 Bar	5 Bar 15 I	Bar	mm	/h	mm/h	

Project Name:Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLDProject Code:DLRSite ID:1493Observation ID:1Agency Name:QLD Department of Primary Industries

Laboratory Analyses Completed for this profile