A Read Me First Document

This document describes the files available in this web page: http://members.iinet.au/~lfa_procedures. These files describe a set of procedures known as landscape function analysis (LFA), which are used for monitoring the functionality of landscapes such as rehabilitated mine sites and rangelands. Basically, the procedures describe how to establish LFA field sites and how to assess indicators of landscape functionality on these sites.

Files are grouped together in sets related to how we presented LFA procedures in chapters 13 to 16 in our book, "Restoring Disturbed Landscapes". Grouped in sets are landscape organization assessment (LOA) procedures, described in chapter 13, soil surface assessment (SSA) methods (chapter 14), ephemeral drainage-line assessment (EDA) procedures (chapter 15), and vegetation structure assessment (VSA) methods (chapter 16). Within these sets, we provide files describing procedures, for printing field data forms to record indicator scores, and spreadsheets for tabulating, analysing and summarizing data. We have also provided Supplementary files as noted in our book, including LFA-ASWAT.pdf, a method for assessing the dispersion of soil aggregates in water; LFA-InterpretiveFramework.pdf, a document describing a framework for interpreting LFA findings; and LFA-SampleSize.pdf, a method for estimating whether the LFA indicators have been adequately sampled.

File Name	Description
A Read Me First Document.pdf	A PDF document describing the files available to Restoration Practitioners.
SiteInfo-Proc.pdf	A procedure for describing LFA field sites; used with a site information data form.
SiteInfo-DataForm.pdf	A printable form for recording site information in the field.
LOA-Proc.pdf	A description of Landscape Organisation Assessment (LOA) procedures.
LOA-DataForm.pdf	A printable form for recording information on how a landscape is organised. NOTE: These LOA data are subsequently entered into the spreadsheet, SSA-DataSum.xls, for calculation of summary information.
SSA-Proc.pdf	LFA methods for assessing 11 soil surface indicators, which includes an example of a filled soil surface assessment field form.
SSA-DataForm.pdf	A printable form for recording scores for the 11 soil surface indicators in the field. Includes practical tips for how to fill in this data form.
SSA-DataSum-Filled.pdf	An example of a filled-in SSA-DataForm based on typical field assessments.
SSA-DataSum-Proc.pdf	A document explaining how to key-in the LOA and SSA data into the SSA-DataSum.xls spreadsheet.
SSA-DataSum.xls	A spreadsheet for entering and summarizing data on landscape organisation and on the soil surface assessments, which are synthesized into three indices on (i) surface stability, (ii) infiltration capacity and (iii) nutrient cycling processes.
SSA-DataSum-Output.pdf	A document explaining how to "read" the data summary output produced by the SSA-DataSum.xls spreadsheet.
SSA-Trainer.xls	A spreadsheet used to explore how SSA indicator assessments affect the three calculated indices.
SSA-Verification.pdf	A report verifying LFA SSA Indicators using independent field and lab data.
EDA-Proc.pdf	LFA methods for assessing 8 ephemeral drainage-line indicators.
EDA-DataForm.pdf	A printable field form for recording the scores for 8 ephemeral drainage-line indicators.
EDA-Tables-alone.pdf	A printable set of the tables used to score the 8 EDA Indicators
EDA-Interpretation-table.pdf	A document explaining how to "read" EDA Indicator data summaries
VSA-Proc.pdf	LFA procedures for assessing vegetation structure attributes; used with a field data form and spreadsheet.
VSA-DataForm.pdf	A printable field data sheet for recording site information on vegetation structural attributes.
VSA-DataSum-Proc.pdf	A guide for how to key-in the VSA data into the spreadsheet, VSA-DataSum.xls, and interpret its output.
VSA-DataSum.xls	A spreadsheet for entering, analysing and summarizing plotless-based vegetation data.
LFA-ASWAT.pdf	A description of the LFA soil **A**ggregate **S**tability in **WAT**er test.
LFA-InterpretiveFramework.pdf	A framework for interpreting graphs illustrating the progress (trends over time) in LFA indicators.
LFA-SampleSize.pdf	A description of how to estimate the number (N) required to adequately estimate SSA indicators in query zones identified along LFA transects.