Riverside East SEZ

Monitoring Plan Outline

Draft May 28, 2014

Note: Sections 6 through 10 will generally follow a single format. Terrestrial Monitoring is used as an example here.

6.3.3 Rationale for Monitoring the Indicator for the Stressor-Receptor Interaction

- review of scientific literature about the issue and impacts
- appropriateness and significance of indicator
- previous data collection efforts
- relevant policy

6.3.4 Monitoring Objective for the Indicator

6.3.5 Spatial Scale for the Indicator

6.3.6 Temporal Scale of the Indicator

- frequency of ampling
- constraints of seasonality
- Occurrence of major disturbance events (e.g., flash flood)

6.3.7 Special Environmental Considerations

6.3.8 Sampling Protocol

- sampling units for analysis (points, transects, plots, animals)
- criteria and methods for sample stratification
- description of the sampling strata
- sampling approach
- sample size to meet managers' objectives for confidence in sampling results
- data collection methodology or data processing algorithm (for GIS data)
- data dictionary
- required equipment

6.3.9 Training Plan

6.3.10 Data Analysis

6.3.11 Data Quality Control

- Data Entry
- Data Validation
- Data Certification

6.3.12 Estimated Costs and Budget Scenarios

6.3.13 Peer Review

6.3.14 History of Review and Revision

6.3.15 Literature Cited

****Repeat the Sequence 6.3.1 through 6.3.12 for Other Indicators****

Selected for Monitoring in Chapters 6, 7, 8, and 9

7 Atmospheric/Microclimatic Monitoring

8 Socioeconomic Monitoring

9 Cultural Resource Monitoring

10 Monitoring for Unanticipated Impacts

11 Data Organization and Management

- *11.1 Database Design*
- *11.2 Data Entry Procedure*
- *11.3 Geospatial Metadata Standards*
- *11.4 Data Archival System*
- *11.5 Data Security*
- *11.6 Data Access*

12 Reporting and Communications Plan

13 Monitoring Timeline

- *13.1 Training*
- *13.2 Data collection*
- *13.3 Data management*
- *13.4 Analyses*
- *13.5 Reporting*

14 Personnel and Responsibilities

15 Safety Standard Operating Procedures

<u>Appendices</u>

Appendix A. Sample Point Shapefile Attributes

Appendix B. Sample Area Shapefile Attributes of Strata Used

Appendix C: Rationales for Not Selecting Other Indicators Considered

*Appendix D: Monitoring Activities for **[Insert Current Year]***

Appendix E: Monitoring in the Context of the Practice of Adaptive Management

Figure 1: Example of a Summary Table of Linkages for Section 6.2

Indicator	Monitoring Objective	Relevant Management Question(s)	Relevant Management Goal(s)	Sampling Method	Protocol Reference
Bare Ground				Line-Intercept	*Monitoring Manual for Grassland, Shrubland, and Savanna Ecosystems, Volume II*
Vegetation Composition					
Non-native species					
Vegetation height				Vegetation height	
Canopy gaps				Canopy gap intercept	
Plant species of mgmt concern				Species inventory	