ROS Analysis with FPS-Atlas Output

1st Pass

1. Run <ria_batch.aml>
   - This runs a series of GIS buffers and overlays to assemble data into tables.

2nd Pass

2. Run ArcModel <22_coverage-to-geodatabase>
   - Converts <B4rosxxx_clip> to an ArcGIS geodatabase for editing.


4. Run ArcModel <23_ROS-dslv>
   - Dissolves <BLK4rosxx> on the [ROS_CLASS] field to aggregate polygons.

5. Run ArcModel <24_rd1m-buf>
   - Buffers <roadsxxx> by 1m for future overlaying with ROS info to assist with orphan polygon identification; data dissolved on [RCLASS] field to aggregate polygons.

6. Run ArcModel <25_ROS-rd-union>
   - Overlay dissolved ROS data with road information so that orphan polygons can be assigned a ROS class.

7. Run ArcModel <26_ROSrd-BLK4-union>
   - Overlays Block 4 boundary information (tenure assignment) to the ROS and road data to facilitate orphan polygon identification.

8. Run SQL queries to assign orphan polygons to ROS classes.

3rd Pass

9. Run ArcModel <27_BLK4ROS-dslv>
   - Dissolves <B4rosxxx_clip_polygon> on the [ROS_CLASS] field to aggregate polygons.

10. Run ArcModel <28_BLK4ROS-clip>
    - Clips data to Block 4 boundaries.


12. Run ArcModel <29_BLK4ROS-F>
    - Dissolves <BLK4rosxxx_1> on the [ROS_CLASS] field to aggregate polygons.

13. Run ArcModel <30_Table-export>
    - Exports data to DBF tables for analysis.
Recreation Opportunity Spectrum (ROS) Analysis with FPS-Atlas Output

06/11/23

Legend:
- **Red**: ArcGIS operations  | **Blue**: Directory information  | **Green**: Atlas run year  | **Purple**: AML script name  | Manual editing

1. **Buffer** from AML <01tal.bk1_bnd.shp>
   - **MUST** change harvest block name for change in scenarios

2. **Union** AML <05_bk1_tsb_union>
   - Add field [bk1bnd] = [inside]

3. **Buffer** from AML <03tal.bk1_rd_buf.shp>
   - AML <04tal.bk1_table_manip.shp>
     - Add field [bk1buf] = [inside]

4. **Union** AML <06tal.bk1os_u>
   - Add field [ros_class] = 1
   - **Run** ROS SQL queries

5. **Buffer** by distance: field = [spm]
   - AML <07tal.spm_rd_buf.shp>
   - Select [rclass] = 1
   - Calculate [spm] = [inside]

6. **Union** AML <15tal.spm_rm_rd_union.shp>
   - Add field [ros_class] = 2
   - Calculate [spm] = [inside]

7. **Buffer** by distance: field = [rm]
   - AML <08tal.rm_rd_buf.shp>
   - Select [rclass] = 4
   - Calculate [rm] = [inside]

8. **Buffer** by distance: field = [rn]
   - AML <09tal.rn_rd_buf.shp>
   - Select [rclass] = 4
   - Calculate [rn] = [inside]

9. **Union** AML <16tal.rn_rd_union.shp>
   - Add field [ros_class] = 5
   - Calculate [rn] = [inside]

10. **Buffer** by distance: field = [spm]
    - AML <07tal.spm_rd_buf.shp>
    - Select [rclass] = 6
    - Calculate [spm] = [inside]

11. **Union** AML <15tal.spm_rm_rd_union.shp>
    - Add field [ros_class] = 2
    - Calculate [spm] = [inside]

12. **Union** AML <18tal.bk1os_u>
    - Add field [ros_class] = 1
    - **Run** ROS SQL queries

13. **Convert to Geodatabase**
    - **ArcModel** <22coverage-to-geodatabase>

14. **Buffer by distance: field = [spm]
    - AML <07tal.spm_rd_buf.shp>
    - Select [rclass] = 1
    - Calculate [spm] = [inside]

15. **Dissolve on [ROS_CLASS]**
    - **ArcModel** <23ROS-dslv>

16. **Union** AML <19tal.bk4rosclip.shp>
    - **ArcModel** <25ROSrd-BLK4-union>

17. Export tables to DBF
    - **ArcModel** <30_Table-export>

18. **3rd Pass**
    - **Clean SPM polygons**
      - Visually assign RN polygons to adjacent SPM polygons as appropriate.


20. **Clip to Block 4**
    - AML <21clip-to-b4.aml>


22. **Dissolve on [ROS_CLASS]**
    - **ArcModel** <23ROS-dslv>

23. **Union** AML <19tal.bk4rosclip.shp>
    - **ArcModel** <25ROSrd-BLK4-union>

24. **Union** AML <18tal.bk1os_u>
    - Add field [ros_class] = 1
    - **Run** ROS SQL queries

25. **Union** AML <19tal.bk4rosclip.shp>
    - **ArcModel** <25ROSrd-BLK4-union>

26. **Export tables to DBF**
    - **ArcModel** <30_Table-export>

27. **Recreation Opportunity Spectrum (ROS) Analysis with FPS-Atlas Output**


29. **Recreation Opportunity Spectrum (ROS) Analysis with FPS-Atlas Output**