

Progress Report STP 2020-036 (FY 2019-2020)

Species distribution modelling of feral cats in the Pilbara, Western Australia

Remote Sensing and Spatial Analysis

Project Core Team

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Project status as of July 20, 2020, 10:24 a.m.

Update requested

Document endorsements and approvals as of July 20, 2020, 10:24 a.m.

Project Team	required
Program Leader	required
Directorate	required

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Progress Report

- A research agreement between Curtin University and DBCA has been signed.
- A literature review has been completed.
- Research design has been formulated.
 - The research design identified cat location data including camera trap data and tracking collar data as training/validation inputs for building a model.
 - Spatial datasets to be used as model inputs include Landsat imagery, digital elevation model, fire history, vegetation mapping and streamline data.
 - Classification models to be investigated include random forest and maximum entropy.