

# **MnDOT Slope Vulnerability Assessments Phase 2**

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WSB & Associates, Inc.

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Project Summary Report  
Final Report 2019-28

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16. Abstract (Limit: 250 words) This project, Phase 2 Slope Vulnerability Assessments, is a continuation of the Phase 1 project previously conducted by WSB and MnDOT to determine the risk of slope failure along state highways. The Phase 2 study area includes 32 counties located in districts 4, 6, 7, 8, and Metro. This reports outlines the methods and results of this project including the new landforms, geomorphic processes, and causative factors influencing slope failures in this part of the state. The three main components of the model are the same 1) identify past slope failures, 2) model the causative factors of past slope failures and how they vary locally, and 3) model the risk of new slope failures. Vulnerability factors, failure types, and model results reflect the geomorphology of this region. Vulnerability factors for the new study area include slope, terrain curvature, incision potential, and local relief. Field verification results validate the model's capability of identifying risk in regions with different geology, geomorphology, and hydrology including ravines and bluffs located along the Minnesota River Valley. Model results are ranked into four proposed risk management categories: action recommended, further evaluation, monitoring, and no action recommended. Risk incorporates the model outputs with consequence to infrastructure including distance to roads and populated areas. The risk estimation process for this phase is considered preliminary; further consideration of risk tolerance and consequence definitions should be conducted. Preliminary risk results indicate that 858 management areas, or 0.7% of the total area, would be recommended for mitigation under the proposed risk matrix. Next steps include field visits and a site-specific mitigation program. The results of this study are intended as the first step of actions required in minimizing the effects of slope failure including expensive mitigation and maintenance repairs and threats to public safety.			
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# **MNDOT SLOPE VULNERABILITY ASSESSMENTS PHASE 2**

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# EXECUTIVE SUMMARY

## Introduction

Geohazards are environmental risks to infrastructure. Unstable slopes, floods, excessive precipitation, karst, and seismic are examples of environmental risks that damage state transportation assets and cause injury or even loss of life. Geohazards are managed through the implementation of geohazard risk assessments that quantify risk factors and incorporate them into transportation asset management plans (TAMPs).

This project, Phase 2 Slope Vulnerability Assessments, is a continuation of the Phase 1 project previously completed by WSB and MnDOT to determine the risk of slope failure along state trunk highways. The results from Phase 1 objectively identify risk and prioritize areas recommended for management using a new geographic information systems (GIS) model that can be implemented anywhere in the state. This model was refined for the Phase 2 study area to reflect the geomorphology in this part of the state. The results of this study are intended to be the first step of actions required to minimize the effects of slope failure. These effects include infrastructure damage such as road and bridge collapse, cracks and uneven road surfaces, land movement below road surfaces, road blockage from fallen debris, threats to the public including injury and loss of life, and economic effects such as expensive mitigation actions.

## Literature Review and GIS Model Design

WSB incorporates a combination of geomorphology and GIS to identify the risk of slope failures along state trunk highways. This combination provides a powerful approach that identifies and statistically tests the specific causes of slope failures with minimal data input, while covering more ground than previous research methods.

### *Geomorphology*

Much of the Phase 2 study area is within the Minnesota River Watershed. Each major watershed in Minnesota has a different geomorphic history and therefore different vulnerability factors that contribute to slope failures. The Minnesota River Watershed has a unique geomorphic history where a series of catastrophic floods occurring over 11,500 years ago continues to affect the risk of slope failures today. Compared to valleys in other parts of the state, the Minnesota River was eroded relatively quickly during the onset of catastrophic drainage of proglacial lakes. Proglacial lakes are lakes formed during the melting period of glaciations. Relatively large lakes formed on Minnesota's surface during this time but have since been drained, leaving behind weak glacial soils and landforms vulnerable to failure such as ravines and bluffs.

### *GIS Model*

The purpose of Task 3 was to refine the model developed in Phase 1. Results from Phase 1 indicate that the most powerful slope failure models account for past slope failures. Therefore, WSB created a method for detecting past slope failures using geomorphology and elevation data. Geomorphology was

used to analyze terrain and landforms associated with slope failures; almost all slope failures have unique terrain in comparison to their surrounding environment. GIS and elevation data were used to highlight the areas that have geomorphic features resembling slope failures along state highways. These areas reveal thousands of slope failures including, slides, rockfalls, lake shores, river banks, and surface erosion.

The past slope failures model was applied to the study area to ensure that not only the same types of slope failures identified in Phase 1 were accounted for but also two additional ones — ravines and bluffs. Results from Phase 2 indicated that the same types of slope failures identified in Phase 1 were accounted for as well as thousands of previously unrecorded ravines and bluffs. Unlike in Phase 1, most of these failures were slides and ravines opposed to rockfalls occurring along steep bedrock outcrops predominately found in the southeastern part of the state.

Data on past slope failures were then incorporated into the second part of the model — model for causative factors. Slope failure models that incorporate data on potential causative factors provide for a much more powerful approach to identifying risk. WSB designed a GIS model that permits any vulnerability factor (potential causative factor) to be tested. This process was important in providing a non-bias study and results that were driven by data. Furthermore, this design recognized that slope angle was not always the best indication of slope failure in every region and that other factors could be at play. For the Phase 2 study area, WSB designed new datasets derived from elevation data and post-processed them—incision potential (ravines) and relief (bluffs). These datasets reflected the two new types of landforms predicted to be most important in causing slope failures.

The final step of the model — model for new slope failures — was revised using the new input parameters statistically tested for the new study area. These input parameters were tested as part of the sensitivity analysis described in the next section. Once the input parameters were determined, the model computed a logistic regression, similar to Phase 1, to identify the risk of slope failure for the entire study area (0.5-mile buffer from highway centerlines).

### **Sensitivity Analysis**

Once the GIS model was designed, a series of tests, collectively called a sensitivity analysis, were conducted to determine how well the model performed. The sensitivity analysis for this study tested five important parameters: elevation data resolution, size of the study area, capability of identifying past slope failures, site selection, and capability of identifying causative factors. The results from the sensitivity revealed that:

- 10-meter elevation data resolution is most appropriate.
- A 0.5-mile buffer study area is sufficient.
- The geomorphic index model for identifying past failures can detect known failures and thousands of unrecorded ones.
- The most important factor in site selection is including locations from both failed and non-failed areas.

- Four vulnerability factors with the greatest statistical strength were selected as model input parameters (slope, terrain curvature, incision potential, and local relief).

Once the sensitivity analysis was complete, the model was scripted and executed for 32 counties in five districts: Big Stone and Swift (District 4); Dodge, Fillmore, Freeborn, Mower, Olmsted, Rice, and Steele (District 6); Brown, Cottonwood, Faribault, Jackson, Martin, Nobles, Sibley, Rock, Waseca, and Watonwan (District 7); Chippewa, Kandiyohi, Lac qui Parle, Lincoln, Lyon, McLeod, Meeker, Murray, Pipestone, Redwood, Renville, and Yellow Medicine (District 8); and Carver (Metro). Draft PDF maps of preliminary model results were completed for these 32 counties.

### **Field Verification**

The objective of this task was to field verify the model developed in previous tasks. This task included a total of two site visits — one in District 7 and one in District 8. Site visit locations were chosen collaboratively by Technical Advisory Panel (TAP) committee members and WSB and reflected two important landforms for the new study area — ravines and bluffs/river banks. WSB and MnDOT visited the sites together to discuss model improvements, model strengths, and future work. The activities in this task served to validate the model and indicated it performs well for identifying different types of slope failures in regions with different geology, geomorphology, and hydrology.

### **Risk Estimation**

Risk estimation involves two main components: the likelihood of failure (estimated from the model) and the consequence to infrastructure (e.g., densely populated areas and proximity to road centerlines). Risk is the product of these components and can be calculated using a risk matrix. To be most effective, risk matrices must have robust probability and consequence definitions. The outcome of risk matrices is defined levels of management. The matrix in this study has four proposed categories of risk management:

1. Site visit/action recommended
2. Further evaluation\*
3. Monitoring\*
4. No further action recommended\*

Risk ranking was conducted at the “management area” level for this study. A management area is defined as local regions consisting of one or more slopes with similar geomorphic, geologic, or hydrologic settings. Proposed management areas were delineated in GIS and then ranked using the risk matrix. Delineation took place at a scale that balanced efficiency and accuracy. The results from the risk ranking determine:

- Action Recommended\*: 858 areas (0.7% of total study area)
- Further Evaluation\*: 1120 areas (0.45%)
- Monitoring\*: 1440 areas (9%)
- No Action\*: the rest of the area of interest (89.95%)

*NOTE:* \* Denotes preliminary terminology

### **Recommended Next Steps**

The results of this study were intended to be the first step of actions required in minimizing the effects of slope failure including expensive mitigation actions and threats to public safety. In this study, the GIS model developed in Phase 1 was refined and implemented to identify slope vulnerability along state trunk highways for 32 additional counties. The model's capability of identifying slope vulnerability anywhere in the state with minimal data input was field verified. Final maps depicting slope vulnerability for 32 counties in five districts were produced and proposed management areas were ranked based on risk that can provide useful information for district, county, or city engineers, planners, project managers, and maintenance staff. Several steps should be taken to maximize the value and usefulness of the model:

- Field verification of the 858 sites with action is recommended.
- Incorporate the Risk Factors determined in this project into MnDOT's Transportation Asset Management Plans (TAMPs).
- Design and implement mitigation and monitoring programs including severe weather investigations.
- Model and produce results for other districts within the state.

## CHAPTER 1: INTRODUCTION

This project, Phase 2 Slope Vulnerability Assessments, was a continuation of the Phase 1 project previously completed by WSB and MnDOT to determine the risk of slope failure along state trunk highways. In Phase 1, a new geographic information systems (GIS) model was developed that can be implemented anywhere in the state. This model was refined to reflect the geomorphology of the Phase 2 study area. The model identified risk and prioritized areas recommended for management for 32 additional counties. Through completion of this project, a total of 44 counties have been modeled across the southern half of the state.

This report outlines the methods and results of each task of this project and the recommended next steps. The results of this study are intended to be the first step of actions required in minimizing the effects of all types of slope failure including landslides and rockfalls. These effects include infrastructure damage such as road and bridge collapse, cracks and uneven road surfaces, land movement below road surfaces, road blockage from fallen debris, threats to the public including injury and loss of life, and economic effects such as expensive mitigation actions. Below are the following tasks discussed in this report:

- Task 2 – Literature Review
- Task 3 – GIS Model Design
- Task 4 – Data Collection
- Task 5 – Sensitivity Analysis
- Task 6 – Draft PDF Maps and Risk Rankings
- Task 7 – Field Verification
- Task 8 – Final Report, Final Maps, GIS Model and Documentaion

### 1.1 PHASE 1 SUMMARY

Phase 1 was conducted in 2017-18. In this study, a new GIS model was designed and implemented to identify slope vulnerability along trunk highways (Appendix A; Figure 1). The model provides an innovative, objective, and systematic approach to further understand geohazard risk to the state's transportation infrastructure. The model's capability of identifying slope vulnerability anywhere in the state with minimal data input was field verified. Final maps depicting slope vulnerability were produced for 12 counties, and Management Areas were ranked based on risk that can provide useful information for district, county or city engineers, planners, project managers, and maintenance staff. The results will be incorporated into the state's Transportation Asset Management Plan (TAMP) where slopes are anticipated to be treated as assets.

## CHAPTER 2: TASK 2 LITERATURE REVIEW

The main objective of the literature review was to understand how the model designed in Phase 1 needs to be revised for the new study area (Appendix A; Figure 2). Phase 1 methodologies, data requirements, and vulnerability factors were reviewed as well as documentation on historical landslides. The model designed in Phase 1 uses a combination of geomorphology and GIS. This combination provides a powerful approach that identifies and statistically tests the specific causes of slope failures with minimal data input. However, the geomorphology of Minnesota varies across the state, requiring that the model be redesigned to capture the most important vulnerability factors and expected failure types for each region.

### 2.1 GEOMORPHOLOGY

The natural processes that result in slope failures are understood through geomorphology, the science of landscape evolution and function. Geomorphology is a multidisciplinary science incorporating terrain attributes, geology, hydrology, soil science, and climate science. Geomorphology provides a specific framework for understanding why a slope failure is occurring in a given location. A geomorphic approach allows for a much more thorough risk assessment evaluation than a single disciplinary approach in that it accounts for the local variation of causative factors, how these factors change over time, and how they exacerbate one another.

The geomorphology of the Phase 2 study area is expected to form the basis of the model design. Therefore, review efforts began with understanding the geomorphology of this study area and how it compares to Phase 1. Review of the geomorphology provides valuable information for the vulnerable conditions, expected failure types, and new data requirements for the model.

#### 2.1.1 Geomorphic History

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Much of the Phase 2 study area is within the Minnesota River Watershed (Appendix A; Figure 3). Each major watershed in Minnesota has a different geomorphic history, and therefore different vulnerability factors that contribute to slope failures. The Minnesota River Watershed has a unique geomorphic history where a series of catastrophic floods occurring over 11,500 years ago continues to affect the risk of slope failures today. Compared to valleys in other parts of the state, the Minnesota River was eroded relatively quickly during the onset of catastrophic drainage of proglacial lakes. Proglacial lakes are lakes formed during the melting period of glaciations. Relatively large lakes formed on Minnesota's surface during this time but have since been drained, leaving behind weak glacial soils and landforms vulnerable to failure.

The catastrophic drainage of Glacial Lake Minnesota caused rapid base-level fall at the outlet of the Le Sueur River (Minnesota Pollution Control Agency, 2013). This base-level fall triggered up to 70 meters of channel incision, headward migration of knickpoints (sharp changes in river bed gradients), and the

formation of ravines and bluffs that continue to erode today (Appendix A; Figures 4 and 5). This event caused geomorphic dis-equilibrium at a watershed scale, initiating channel incision, a natural adjustment process. The dis-equilibrium disrupted the channel's natural balance between sediment, water discharge, and slope. As a result, the channel has ever since been trying to readjust itself to a new equilibrium by altering its slope. The channel alters its slope by eroding the channel bed, propagating upstream, until the slope at a watershed scale is in equilibrium. This process, called incision, causes river elongation, a process in which the river extends its tributaries into new areas, forming rivers in places where they have not existed before. As a result, ravines and steep bluffs form and will continue to form. These landforms are precisely where several documented historical landslides have occurred in the region. Understanding this geomorphic history of these ravines and bluffs will not only provide valuable information for the types of failures to capture in Phase 2, but their causative factors as well, important information for model design and long-term slope management.

### **2.1.2 Vulnerable Conditions**

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The Phase 2 study area has environments or conditions that exacerbate the risk of slope failure along ravines and bluffs. These conditions include weak glacial soil, rainfall, flooding, and human activity (e.g. private landowner irrigation). Weak glacial soil consists of fine silt and clay deposited along the proglacial lake beds described in the previous section. Ravines and bluffs in the area are continuously eroding in several places, but the particle size and erodibility of these soils worsen this process. Increased rainfall and flooding in this area also exacerbate the erosion of these terrain features, triggering several of the documented landslides occurring in recent history. Private irrigation can further contribute to the problem by concentrating runoff and forming gullies, features formed during the early stages of ravine development.

Expected failure types include translational slides, rotational slides, and rockfalls based on review of the geomorphic history and vulnerable conditions of the study area. Translational slides are expected to occur on steep side slopes of ravines and road cuts. Rotational slides are expected to occur along channel banks and ravine side slopes, and rockfalls along bluff retreat and road cuts with bedrock outcrops. These three types of slope failures are similar to the main slope failures in Phase 1, however, the locations/ landforms and processes driving them are different. Different processes initiating slope failures requires new vulnerability factors to be assessed, and therefore new model inputs.

## CHAPTER 3: TASK 3 MODEL DESIGN

The purpose of Task 3 was to refine the model developed in Phase 1. This section describes the three main components of the model and how each will be refined to apply to the Phase 2 study area. Specifically, this section will discuss the methods used to design the new datasets required for the model.

### 3.1 HISTORICAL SLOPE FAILURES MODEL

Results from Phase 1 indicated that the most powerful slope failure models account for past slope failures. Therefore, WSB created a method for detecting past slope failures using geomorphology and elevation data. Geomorphology was used to analyze terrain and landforms associated with slope failures; almost all slope failures have unique terrain in comparison to their surrounding environment. GIS and elevation data were used to highlight the areas that have geomorphic features resembling slope failures along the state highways. These areas reveal thousands of slope failures including, slides, rockfalls, lake shores, river banks, and surface erosion.

The past slope failures model was applied to the study area to ensure that not only the same types of slope failures identified in Phase 1 were accounted for, but 2 additional ones—ravines and bluffs. Results from Phase 2 indicated that the same types of slope failures identified in Phase 1 are accounted for as well as thousands of previously unrecorded ravines and bluffs. Unlike Phase 1, most of these failures were slides and ravines opposed to rockfalls occurring along steep bedrock outcrops predominately found in the southeastern part of the state.

#### 3.1.1 Ravines

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The historical failures modeled for Phase 2 primarily consisted of slides, river cut banks, and ravines. The GIS algorithm designed to identify past slope failures was altered slightly to accommodate for these new slope failure types that have larger surface areas. This project provides the first objective method for identifying hundreds to thousands of ravines at once. Verification of the model's ability to identify past slope failures will be conducted in Task 5 (Sensitivity Analysis), where these results will be checked with aerial photos, hillshade data, and historical known slope failures provided by previous studies.

### 3.2 CAUSATIVE FACTORS

Slope failures models that incorporate data on potential causative factors provide for a much more powerful approach to identifying risk. WSB designed a GIS model that permits any vulnerability factor (potential causative factor) to be tested. This process is important for providing a non-bias study and results that are driven by data. Furthermore, this design recognizes that slope angle is not always the best indication of slope failure in every region and that other factors may be at play.

WSB's model not only permits for any factor to be tested but is designed to incorporate how these factors vary locally. This design recognizes that a factor likely contributing to slope failure in one part of the state may not necessarily contribute to slope failures in another part. WSB's model for causative factors allows for multiple causative factors to be included in the model at once, and for each one to weigh appropriately according to its likely influence in causing slope failures in a particular area.

In Phase 1, causative factors were modeled by a geostatistical process called Geographic Weighted Regression (GWR). This method efficiently reduced the number of vulnerability factors from 12 variables down to four for the entire Phase 1 study area through a process of elimination, where each one was eliminated based on statistical strength.

GWR works by comparing a dependent variable with independent variables. In our study, the dependent variable is the past slope failures results from Part 1, and the independent variables are the causative factors. Specifically, GWR works by determining the relationships that dependent and independent variables have with one another. If there is no relationship between terrain curvature and likely locations of past slope failures for example, then it is probable that terrain curvature is not the most important parameter influencing slope failures for that specific area. GWR is tested through trial and error, running through the process multiple times until the best results are produced (highest statistical strength). This process will be executed in Task 5 (Sensitivity Analysis).

For the Phase 2 study area, WSB anticipates that some of the vulnerability factors passed through GWR will be different than those in Phase 1. Therefore, WSB designed new datasets derived from elevation data and post-processed them to be run through GWR. Two new datasets were designed—incision potential (ravines) and relief (bluffs) — to model for the two new types of landforms predicted to be most important in causing slope failures.

### **3.2.1 Incision Potential**

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Incision potential in this project is defined as an area where slopes are likely to increase over time through erosion. Slope angle is a separate dataset, that captures the current steepness of a slope, but incision potential highlights areas where slopes are likely to change. This dataset is a derivative of elevation data. Incision potential was designed in this Task to not only capture an important geomorphic phenomenon indicative of the new study area, but to provide no overlap with other potential vulnerability factors driven by erosion such as bluffs and river banks.

Incision potential was designed to model for ravines. As described above in the literature review, ravines are eroded landforms that result from river disturbance, initiated when rivers extend their networks from low-lying valleys into uplands. Several documented historical landslides in the Phase 2 study area are a result of when these ravines become too steep. Ravines are continuously eroding forming steep side slopes and steep head walls leading to landslides that intersect state trunk highways. This newly designed dataset will identify these areas likely to become steeper over time.

### 3.2.2 Relief

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Relief in this project is defined as the range of elevation, or slope height. This dataset was designed to model for bluffs. Bluffs in this new study area are expected to be different from the bedrock outcrop proximity dataset used in Phase 1. Bedrock outcrops predominately occurred in the southeastern part of the state. Bedrock occurs less frequently in the new study area, especially the Minnesota River Valley. Bedrock proximity served to be a great proxy for relief in Phase 1, and therefore relief was not necessary to be incorporated in the model since it did not enhance the model's statistical strength due to overlap. Bedrock outcrop proximity is expected to play less of a role in causing slope failures for the Phase 2 study area, however, steep bluffs still occur. Therefore, a new dataset—relief—was designed to capture bluffs that occur primarily from river instability as opposed to bedrock proximity.

### 3.2.3 Slope, Terrain Curvature, and Proximity to River Banks

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Other vulnerability factors used in Phase 1 are likely to stay and include: slope angle, terrain curvature, and proximity to rivers. River bank proximity models for the slope failures likely occurring along eroding channel cut banks. This dataset is predicted to influence slope failures in areas above the knickpoint described in the literature review. For areas below the knickpoint, ravines and bluff are expected to have a larger role in causing slope failures. However, these datasets are expected to have no overlap and enhance the model's predictive capability when they are all included in the model at once. Task 5 (Sensitivity Analysis) will test that prediction.

## 3.3 MODEL SLOPE FAILURE PROBABILITY

The final step in designing the model was determining the probability of slope failure for the entire study area (0.5 mile buffer from highway centerlines). This includes the same logistic regression computation used in Phase 1, except the input parameters and other data are different. This final stage of the model incorporates data from Parts 1 and 2 – Historical Slope Failures and Causative Factors. This step of the model will not be executed until Task 6 (Produce Risk Maps), after the final input parameters are determined in Task 5.

## CHAPTER 4: TASK 4 DATA COLLECTION

Task 4 of this project included data collection of the slope vulnerability factors. The data includes a combination of publicly available data and data derived from elevation data. This project includes the following slope vulnerability factors and their sources:

- Digital Elevation Models (DEM): United States Geological Survey (USGS)
- Slope angle (DEM-derived)
- Stream power / gullying index (DEM-derived)
- Terrain curvature (DEM-derived)
- Topographic wetness index for pore water pressure (DEM-derived)
- Proximity to rivers: (Derived from DNR rivers and streams shapefile)
- Proximity to bedrock outcrops: (Derived from MN Geological Survey (MGS) S-21 Geologic Map of Minnesota Bedrock Geology – statewide – 1:500,000)
- Proximity to karst features: (Derived from MGS)
- Incision potential (DEM-derived)
- Relief (DEM-derived)

It is important to note that in this project, vulnerability factors are all potential causative factors, whereas input parameters are statistically tested causative factors determined in later Tasks.

## CHAPTER 5: TASK 5 SENSITIVITY ANALYSIS

Task 5 of the slope vulnerability project included a series of tests collectively called the Sensitivity Analysis. A sensitivity analysis determines how well the GIS model predicts slope failures and how the model responds to changes in testing parameters. This technical memorandum reviews the Phase 2 sensitivity analysis results as well as the Phase 1 results that are applicable for the new study area.

### 5.1 PHASE 1 RECAP

The sensitivity analysis tested five factors:

- elevation data resolution,
- size of the study area (buffer from highway centerlines),
- ability of the geomorphic index to detect past failures,
- testing various vulnerability factors in the model,
- testing site selection for the model.

Four of these factors— elevation resolution, size of the study area, past failures, and site selection methods— are applicable for the Phase 2 study area and did not require further testing. However, they required different data collection and model preparation than for Phase 1 (Tasks 2-4 Report). Recap of the Phase 1 results for these factors are described below in further detail.

#### 5.1.1 Elevation Data Resolution

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Spatial data resolution is an important quality control measure that affects the predictive accuracy of the model. An optimum level of resolution depends on the specific project objectives and scale of study. The model objectives in this study are to locate past slope failures, determine the causative factors, and determine the risk of new slope failures. Elevation data at 1-meter, 3-meter, and 10-meter resolutions were tested to determine the most efficient resolution in locating and predicting slope failures at the district level.

In summary, the results indicated that 10-meter elevation resolution is most appropriate for the scale of the study. Smaller resolutions are time consuming, data intensive, and may be less accurate. They detect too much detail not required to meet project objectives and therefore do not improve model predictions. For example, artificial slopes like landscaped hills are detected using 1 and 2-meter resolution data. These “slopes” would need to be manually deleted from results. For more information about why smaller resolutions are not the most efficient for this study please see Phase 1 Slope Vulnerability final report.

Elevation data at 10-meter resolution will be applied for the Phase 2 study area as well.

### **5.1.2 Size of the Study Area (Buffer from Highway Centerlines)**

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Selecting an appropriately sized study area underpins the predictive accuracy of the model. The area incorporated into the model must balance the amount of data incorporated into the model with ensuring that the maximum number of slope failures are detected. In Phase 1, three options were analyzed: sub-watersheds that intersect the highways, a uniform buffer of 0.5 miles on each side of the highway, and a combination of the two.

In summary, testing results indicated a 0.5-mile buffer is the most appropriate sized study area for this project, since it captures slope failures most likely to occur in Minnesota.

A 0.5-mile buffer will be applied for the Phase 2 counties as well.

### **5.1.3 Detecting Past Slope Failures**

---

WSB created a method for detecting past slope failures by calculating for geomorphic features with elevation data as its only input (Phase 1 Final Report and Tasks 2-4 Report). The accuracy of this measure was compared to known slope failure sites from other work and verified with aerial photos and hillshade data for Phases 1 and 2.

In summary, over 2,000 slopes in the Phase 1 study area were identified and verified as having high risk of past slope failures.

Results from Phase 2 indicate similar modeling capabilities; the model is able to capture the different types of slope failures occurring in different regions. Thousands of previously unrecorded ravines were identified in Phase 2, an important landform for the new study area. Several documented slides in this region recorded that the slides occurred along ravines. The results were verified with aerial photos, hillshade data, and in the field (Task 7 Report).

### **5.1.4 Testing Site Selection**

---

Determining the number of testing sites for incorporation into the model was one of the final steps of the Phase 1 sensitivity analysis. Testing sites are a combination of verified past slope failures and randomly generated locations in GIS used to test the results of the sensitivity analysis and run the model. Typically, a minimum of 30 sites are recommended for statistical analyses. For Phase 1, WSB included over 30,000 sites (combination of verified and random) for incorporation into the model.

In summary, testing results indicated that the most important factor in site selection is including locations from both failed and non-failed areas rather than the sheer number of sites because the results of GWR will be interpolated for all areas in the study area. If only failed areas were included in the model, the interpolated surfaces will inaccurately have high probabilities of failure.

Site selection for Phase 2 included similar methods—combination of verified and randomly generated sites, and a combination of failed and non-failed sites. The total number of sites for Phase 2 is about 100,000, due to the larger scale of the study area. However, the number of sites per county is roughly the same as Phase 1.

## 5.2 PHASE 2 TESTING VULNERABILITY FACTORS

The process of statistically testing all potential causative factors of slope failures was completed in this Task. Task 4 defined vulnerability factors as all potential causative factors, whereas input parameters are causative factors with the greatest statistical strength. Vulnerability factors are discarded as input parameters through a process of elimination based on statistical strength. This statistical indicator is the r-square value results of geographic weighted regressions (GWR) (Tasks 2-4 Report). The following sections outline the results of this process in more detail.

### 5.2.1 Phase 1 Final Input Parameters

---

The sensitivity analysis results from Phase 1 narrowed down the number of vulnerability factors to just four final input parameters:

- Slope angle,
- Distance to streams,
- Distance to bedrock outcrops, and
- Terrain curvature

Previous Tasks in this project predicted that some of these input parameters will stay in the model, but new ones will need to be generated to incorporate the geomorphology of the Phase 2 study area. The following sections test these predictions.

### 5.2.2 Phase 2 Vulnerability Factors

---

Data on the following vulnerability factors were collected/ derived and then processed for GWR:

- Slope angle – steepness of the hill,
- Terrain curvature – shape of the slope (e.g. convex or concave),
- Distance to streams – horizontal distance to nearest stream bank,
- Distance to bedrock outcrops – horizontal distance to nearest bedrock outcrop,
- Stream power index – the erosivity of a river channel or land surface,
- Topographic wetness index – soil saturation/ inability to drain,
- Incision potential – where slope angle is likely to increase over time through erosion/ ravine formation (Appendix A; Figure 6), and
- Local relief – local vertical distance of the slope, or slope height.

Some datasets previously tested in Phase 1 were excluded from the sensitivity analysis of this phase. These datasets include soil erodibility characteristics (e.g. grain size and K-factor) and bedrock geology.

They were excluded due to the model's ability to account for the spatial variance in these factors more efficiently with other datasets (e.g. terrain curvature and distance to streams).

### 5.2.3 Geographic Weighted Regression

---

As discussed in previous tasks, the execution of GWR is efficient because it not only permits more than one causative factor to be in the model at once, but it statistically tests how these causative factors vary locally. Furthermore, the trial and error process of GWR effectively eliminates potential causative factors that are either weak statistically or do not enhance the model.

GWR was computed with the vulnerability factors outlined above. First, each of the vulnerability factors were tested in the model individually, to test the accuracy of each variable in causing slope failures. Once the variables were tested separately, different combinations of the variables were tested with the aim of determining the best possible combination of variables that generates the greatest statistical strength.

When the vulnerability factors are tested independently in the model the following results emerge:

- Local relief (slope height) is the most important vulnerability factor with an average r-square value of 0.576 for all 100,000 points across the study area (Appendix A; Table 1).
- Slope angle is a close second with an average r-square value of 0.455.
- Incision potential had an average r-square of 0.400.
- Terrain curvature had an average r-square value of 0.220.
- Distance to streams had an average r-square value of 0.131.
- Distance to bedrock outcrops had an average r-square value of 0.066.

The two new vulnerability factors—local relief and incision potential had higher than expected r-square values, confirming that they will be incorporated as model input parameters. Distance to streams had a lower than expected r-square value, indicating that it is not the strongest predictor of slope failures. This vulnerability factor was stronger for the Phase 1 study area. This difference is reflective of the geomorphology differences in this part of the state. Distance to bedrock outcrops had a relatively low r-square value, which was expected due to less bedrock exposure in this part of the state compared to southeastern Minnesota.

When different combinations of the vulnerability factors are tested in the model the following results emerge:

- Slope and local relief together had an average r-square value of 0.640.
- Slope, relief, incision had an average r-square value of 0.690.
- Slope, relief, incision, terrain curvature had an average r-square of 0.732.
- Slope, relief, incision, terrain curvature, streams had an average r-square of 0.666.

- Slope, relief, incision, terrain curvature, streams, and bedrock had an average r-square value of 0.775.
- Slope, relief, incision, terrain curvature, bedrock had an average r-square value of 0.748.

These results highlight an important benefit of GWR— more data is not necessarily better. Particular additions to the model may not enhance the results, in fact, sometimes they slightly weaken the results. This benefit not only helps minimize the amount of data in the model but facilitates a data-driven approach for identifying causative factors. For example, when streams is added as a fifth vulnerability factor to the model, it lowers the average r-square value from 0.732 to 0.666. Furthermore, other additional vulnerability factors may slightly increase the average r-square value, but not enough in a way that marginally enhances the model.

#### 5.2.4 Phase 2 Final Input Parameters

---

The sensitivity analysis results from Phase 2 narrowed down the number of vulnerability factors to just four final input parameters:

- Slope angle,
- Local relief,
- Incision potential, and
- Terrain curvature

Two of the input parameters from Phase 1 will remain for the Phase 2 counties—slope angle and terrain curvature. Terrain curvature performs statistically well, better than expected, both times. The other two input parameters—local relief and incision potential—capture two types of landforms important for the Phase 2 study area—bluffs and ravines.

### 5.3 SUMMARY

WSB tested five components of the model: resolution of spatial data, size of the study area, historic slope failure detection, methods of site selection, and variable combinations. The sensitivity analysis reveals that:

- 10-meter elevation data resolution is most appropriate for Phase 2 counties,
- 0.5-mile buffer study area is sufficient for Phase 2 counties,
- The geomorphic index model for identifying past failures can detect known failures and thousands of unrecorded ones,
- The most important factor in site selection is including locations from both failed and non-failed areas, and
- Statistical tests identified the new model input parameters for Phase 2 counties.

## CHAPTER 6: TASK 6 DRAFT PDF MAPS AND RISK RANKING

Task 6, Produce Maps and Rank Lists was completed for 32 counties in five districts. In this Task, the model was refined, scripted, and executed for the following counties: Big Stone, Swift (District 4); Dodge, Fillmore, Freeborn, Mower, Olmsted, Rice, Steele (District 6); Brown, Cottonwood, Faribault, Jackson, Martin, Nobles, Sibley, Rock, Waseca, Watonwan (District 7); Chippewa, Kandiyohi, Lac qui Parle, Lincoln, Lyon, McLeod, Meeker, Murray, Pipestone, Redwood, Renville, Yellow Medicine (District 8); Carver (Metro). The deliverables include draft maps of the 32 counties, draft shapefiles and rasters, and this technical memorandum. The following sections describe the methodology and results of this Task.

### 6.1 DRAFT PDF MAPS

WSB executed the model to produce slope vulnerability results. Figure 7 shows an example of the draft maps and Figure 8 shows a zoomed in example of the vulnerability output (Appendix A). The vulnerability results were then utilized in a risk ranking procedure, described in the next section.

### 6.2 RISK RANKING

#### 6.2.1 Methodology

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Risk is the product of probability and consequence ( $\text{Probability} \times \text{Consequence} = \text{Risk}$ ); risk matrices provide a framework for determining probability and consequence. To be most effective, risk matrices must have robust probability and consequence definitions. The Slope Vulnerability Risk Matrix with the definitions is presented in Appendix A Table 2.

The matrix has four categories of risk management:

1. Site visit / action recommended\*
2. Further evaluation\*
3. Monitoring\*
4. No further action recommended\*

Risk ranking was conducted at the Management Area scale. Management areas are regions with similar risk scores. This aggregates the large amount of individual slopes into a workable number.

Proposed management areas were delineated in GIS. Probability was delineated based on separating the slope vulnerability results into three categories: high, medium, and low likelihood of failure. Consequence was delineated based on proximity to roads and urban vs. non-urban areas. Urban areas include cities and incorporated towns. Non-urban area is area within the study area that is not a city or incorporated town. These categories and consequences are provided as starting point for future

consideration of risk tolerance and will require refinement as part of a robust risk estimation process following completion of modeling activities.

### 6.2.2 Results

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The draft risk rankings transformed tens of thousands of slopes into hundreds of proposed management areas. The full list of proposed management areas ranked by risk is presented in Table 3 of the Appendix. The total number of areas for each of the different rankings is as follows:

- Action Recommended\*: 858 areas
- Further Evaluation\*: 1120 areas
- Monitoring\*: 1440 areas
- No Action\*: the rest of the area of interest

The proposed management areas range in size from a few thousand square feet to over one million square feet. The percent of the entire domain area that each risk ranking covers is below:

- Action Recommended\*: 0.7%
- Further Evaluation\*: 0.45%
- Monitoring\*: 9%
- No Action\*: 89.85%

Although draft results include many proposed management areas, only a small portion of the whole domain is within a proposed management area. For example, the total area for Action Recommended is only 2.2 square miles of the entire 314 square miles. Figure 9 shows the proposed management areas of the zoomed in portion of the vulnerability map from Figure 8.

*NOTE:* \* Denotes preliminary terminology

## CHAPTER 7: TASK 7 FIELD VERIFICATION

WSB completed Task 7 of this project—Field Verification. The objective of Task 7 was to field verify the model developed in previous tasks. This task included two site visits—one in District 7 and one in District 8. WSB chose these sites to determine the model’s capability of identifying slope failures in different regions of the state. The following sections outline the methods, results, and conclusions of this task.

### 7.1 METHODS

This section outlines the model’s progress prior to the field visits, rationale for site selection, and the methods and equipment used during the visits.

#### 7.1.1 Model Progress Prior to Visit

---

Task 7 was completed before the final risk maps were produced, in case that the model needed to be redesigned or adjusted. Prior to the field visits, only the first part of the model was executed— Part 1 (Model Historical Failures). Model Part 1 objectively identifies all areas of past slope failures that have either recovered or are ongoing. Data on past slope failures enhances predictive modeling. Predictive modeling will be completed in Task 6 (Final Risk Maps).

#### 7.1.2 Rationale for Site Selection

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Sites 1 and 2 were selected not only because they had high model outputs, but because they are located in different regions of the state with different geologic and geomorphic backgrounds.

##### *Site 1 – TH68 New Ulm, Brown County, District 7*

Site 1 represents an important landform indicative of our new study area—ravines (Tasks 2-4 Report). Ravines are landforms that have been eroding since the last glacial maximum and become a serious concern when they approach or intersect Minnesota State Trunk Highways. Ravines become steeper with time. Site 1 is located south of New Ulm, Minnesota in District 7 (Appendix A; Figure 10). The ravine extends from the valley floor of the Cottonwood River onto higher upland surfaces that were previously not eroded.

##### *Site 2 – TH67 Granite Falls, Yellow Medicine County, District 8*

Site 2 is an area where channel bank erosion and steep slopes are likely causing slope failures, as opposed to the river incision and ravine formation processes. The site is located near Granite Falls, Minnesota in District 8 (Appendix A; Figure 11). The model output captured the historical slope failures occurring at this site that were previously unrecorded. The terrain of the floodplain and terraces between the river and TH67 resembled slumping when modeling for past slope failures. The results from the field visit, described in the next section, tested this outcome.

### 7.1.3 Equipment

---

The methods for this task along with equipment used are listed below:

- Navigation from site to site (ESRI mobile apps and printed maps)
- Quantifying slope angles using a laser range finder (Halo XL 450)
- Geomorphic, geologic, and hydrologic observations (field forms and photos with Datafi web service and iPad)

The 2 site visits were completed on April 9, 2019.

## 7.2 RESULTS

The model's capability of identifying areas at risk was validated in the field. Both sites are active and are supported with evidence from the field. Site 1 had evidence of recently fallen debris on the steep side slopes of the ravine. Site 2 had evidence of catastrophic slope failures, closing the road, that occurred within the short amount of time between when the site was selected and visited. The following subsections describe the field results in more detail.

### 7.2.1 Site 1 – TH68 New Ulm, Brown County, District 7

---

The field results confirm that Site 1 is an active ravine (Appendix A; Figures 12 - 15). The ravine is well formed with steep side slopes as high as 90 degrees. As previously described, ravine formation is the process between gullying and tributary with perennial flow; they are extensions from rivers (Appendix A; Figure 16). It is a process that occurs when there is a geomorphic dis-equilibrium. The field results validate that this site is in dis-equilibrium and erosion is ongoing until a new equilibrium is reached. Erosion occurs bottom-up meaning that the ravine is incising upland away from the river and does so by deepening and widening.

Evidence of active ravine formation includes the following:

- deeper eroded beds that gradual rise in elevation away from the river,
- steep side slopes that become less steep toward the headwall or ravine fingertips,
- exposed sandstone bedrock,
- recently fallen trees and hanging trees with exposed roots,
- eroded bed that connects with the Cottonwood river
- intersected water table/ spring with steady flow
- eroded soil duff layer and recently fallen debris at base of ravine side slopes

Site 1 is one example of hundreds to thousands of ravines that occur within the study area. The model identifies these previously unrecorded landforms that continue to affect trunk highways.

### 7.2.2 Site 2 – Granite Falls, Yellow Medicine County, District 8

---

The field results confirm that Site 2 is active and different geomorphic processes are at play than Site 1. The results indicate that a relatively long portion of TH67 is currently failing, roughly 1000 feet by 500 feet down toward the Yellow Medicine River (Appendix A; Figures 17-21). The failure is very recent, causing the road to become closed off within hours after this site was selected for verification. The geomorphic processes occurring at this site are some of the most complex thus far in the project. In summary, the area is experiencing deep-seated rotational slides that result from soil saturation and weak glacial till. Soil saturation occurs from either flood waters along the floodplain, or from rainfall along the base of the road embankment (Appendix A; Figures 18-21).

Deep rotational slides are supported by the following evidence:

- dozens of well-formed head scarps, some as tall as five feet
- cracks that push and uplift the road surface
- recovered slumping with intact upper soil horizons on old slide deposits
- active slumping with gravitropism
- active slides along river banks
- unnatural channel planforms (directions) due to large volumetric landslide deposits
- road closures and unusable trails

Site 2 not only verifies the model's ability to identify slope failures from different geomorphic processes, but the prediction that historical slope failures have occurred here.

Prior to the field, the historical slope failures model detected this location based off terrain features that resemble past slope failures. Out in the field, not only were the specific features that resembled past slope failures identified (recovered slumping with intact upper soil horizons on old slide deposits), but these features have been continuously altering the channel's planform for thousands of years. Specifically, the slide deposits block the river channel from forming natural looking river meanders (Appendix A; Figure 22). This process prevents the river from cutting back toward the road as quickly, however, this does *not* mean the entire area from the river to the road is stable.

Dozens of scarps and cracks indicating deep rotational slides were observed all throughout the floodplain, terrace, paleo-terrace, and even as high as the road surface. Although these scarps and cracks occur over a large area, spanning as much as 500 feet toward the road, they are part of the same geomorphic system. The scarps and cracks are occurring because of the same processes, although their causes may vary depending on where they are located (rainfall for the road, and flood waters for the floodplain). The old slide deposits altering the channel planforms cause a positive feedback cycle, or endless loop, where saturation causes slides, but the slides are never fully removed by the river. This causes the same area to become saturated repeatedly by floods or rainfall and weaken the soils, initiating planes of failure, and potentially planes of failure with larger surface area over time.

### 7.3 CONCLUSIONS

The activities in Task 7 served to validate the model and indicates it performs well for identifying different types of slope failures in regions with different geology, geomorphology, and hydrology. Active and recent catastrophic slope failures were observed—rotational slides and translational slides along road cuts and ravine side slopes. Several pieces of supporting evidence were recorded. The results from this task confirmed that the model thus far did not require redesign or alterations.

## **CHAPTER 8: TASK 8 FINAL REPORT, FINAL MAPS, GIS MODEL AND DOCUMENTATION**

The deliverables in this phase include the following: draft report, final report, final PDF maps, vulnerability raster files, the GIS model and model documentation, and the proposed management areas ranked by risk for efficient use of project results.

### **8.1 FINAL PDF MAPS**

WSB completed final PDF maps for the following counties: Big Stone, Swift (District 4); Dodge, Fillmore, Freeborn, Mower, Olmsted, Rice, Steele (District 6); Brown, Cottonwood, Faribault, Jackson, Martin, Nobles, Sibley, Rock, Waseca, Watonwan (District 7); Chippewa, Kandiyohi, Lac qui Parle, Lincoln, Lyon, McLeod, Meeker, Murray, Pipestone, Redwood, Renville, Yellow Medicine (District 8); Carver (Metro). One change from Phase 1 is the naming conventions of the management areas. Management areas are labeled as “proposed management areas” and the titles of the four categories of risk management have been marked as preliminary titles. These changes are to reflect the preliminary nature of the consequence definition.

### **8.2 VULNERABILITY RASTER FILES**

WSB combined the vulnerability final outputs from each of the 32 counties into one raster file that has the appropriate symbology, correct size study area, and most updated roads jurisdiction. The file is readily available for use in any ArcGIS platform.

### **8.3 PROPOSED MANAGEMENT AREAS SHAPEFILES**

WSB combined the proposed management areas final outputs from each of the 32 counties into one shapefile that has the appropriate symbology, correct size of study area, and most updated roads jurisdiction. The file is readily available for use in any ArcGIS platform.

### **8.4 GIS MODEL AND DOCUMENTATION**

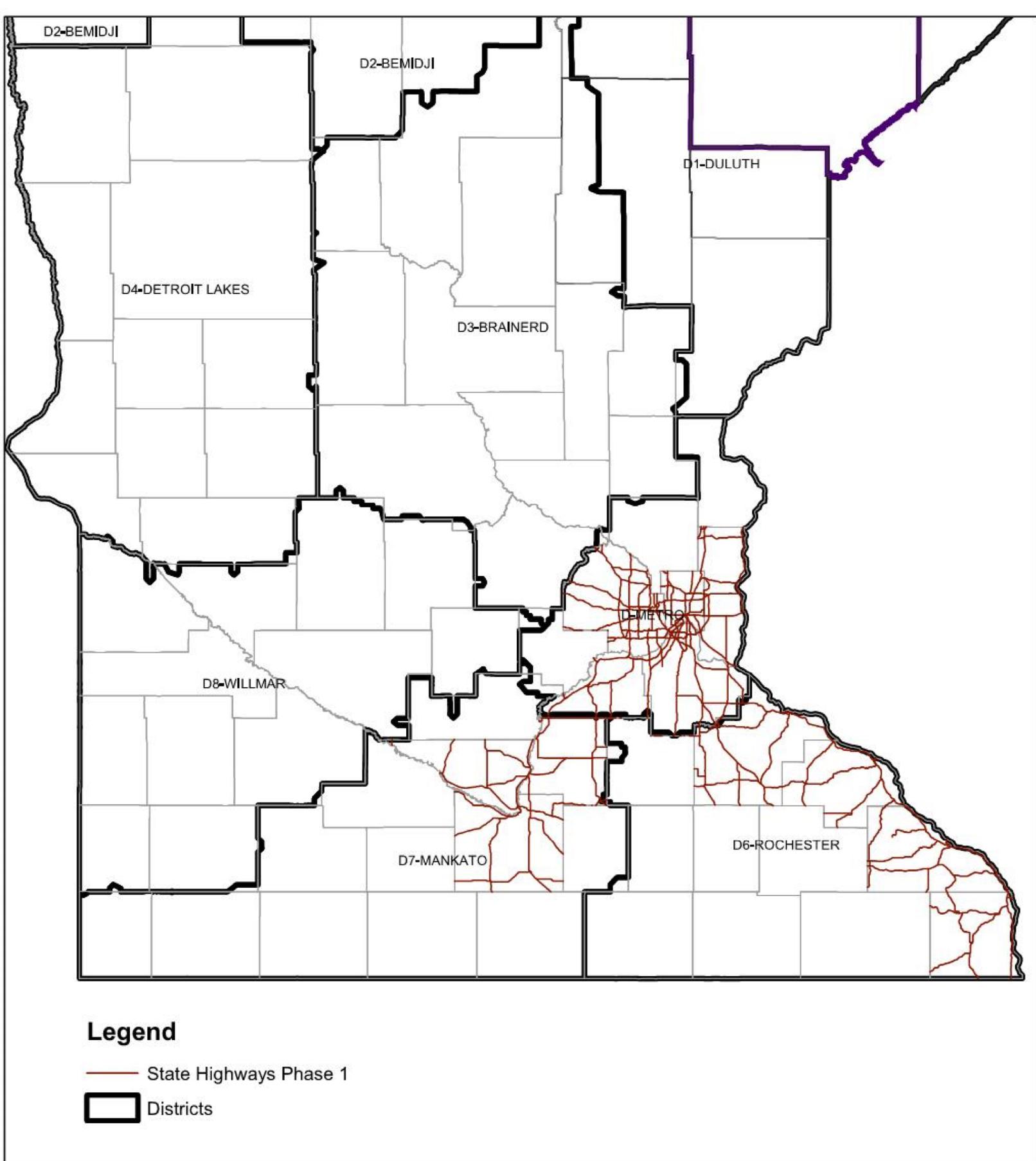
WSB provided MnDOT the GIS model along with appropriate scripts and documentaion for running the model. Final scripting edits included clipping the final outputs to a half mile buffer and ensuring every cell within the study area had a value. When running the model, MnDOT will be prompted with instructions on how to use the model.

## CHAPTER 9: CONCLUSIONS

The results of this study are intended as the first step of actions required in minimizing the effects of slope failure. These effects include infrastructure damage such as road and bridge collapse, cracks and uneven road surfaces, land movement below road surfaces, road blockage from fallen debris, threats to public including injury and loss of life, and economic effects such as expensive mitigation actions. In this study, the GIS model developed in Phase 1 was refined and implemented to identify slope vulnerability along state trunk highways for 32 more counties. The model's capability of identifying slope vulnerability anywhere in the state with minimal data input was field verified. Final maps depicting slope vulnerability for 32 counties in five districts were produced and management areas were ranked based on risk that can provide useful information for district, county, or city engineers, planners, project managers, and maintenance staff. Several steps should be taken to maximize the value and usefulness of the model:

- Model and produce results for other Districts within the state.
- Conduct a robust risk estimation process
- Incorporate the Risk Factors determined in this project into MnDOT's TAMP.

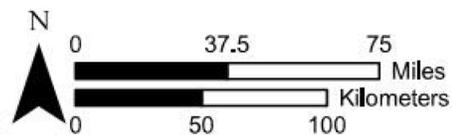
**APPENDIX A: FIGURES AND TABLES**

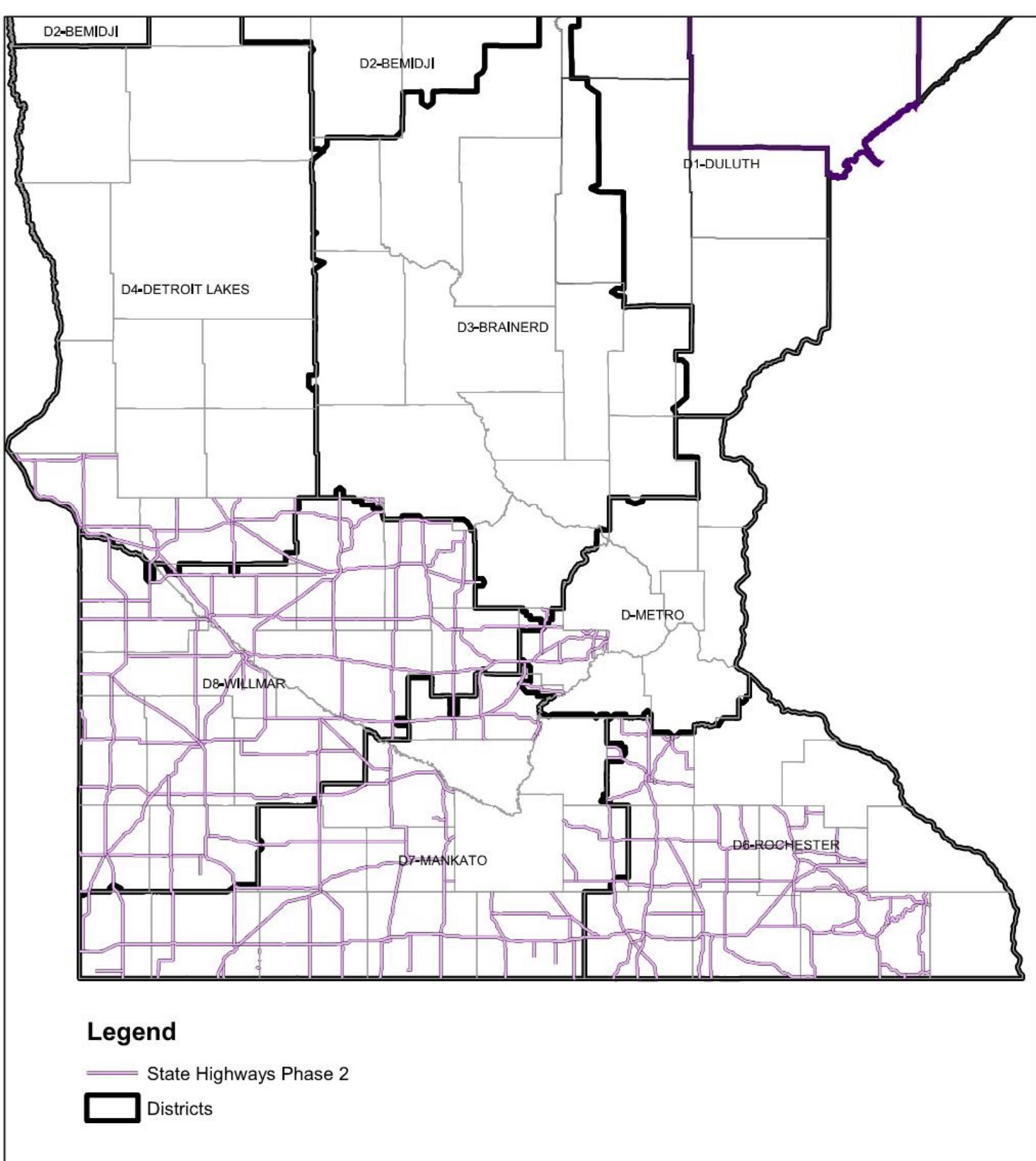


**Figure 1. MnDOT Slope Vulnerability  
Phase 1 Study Area (2017-2018)**

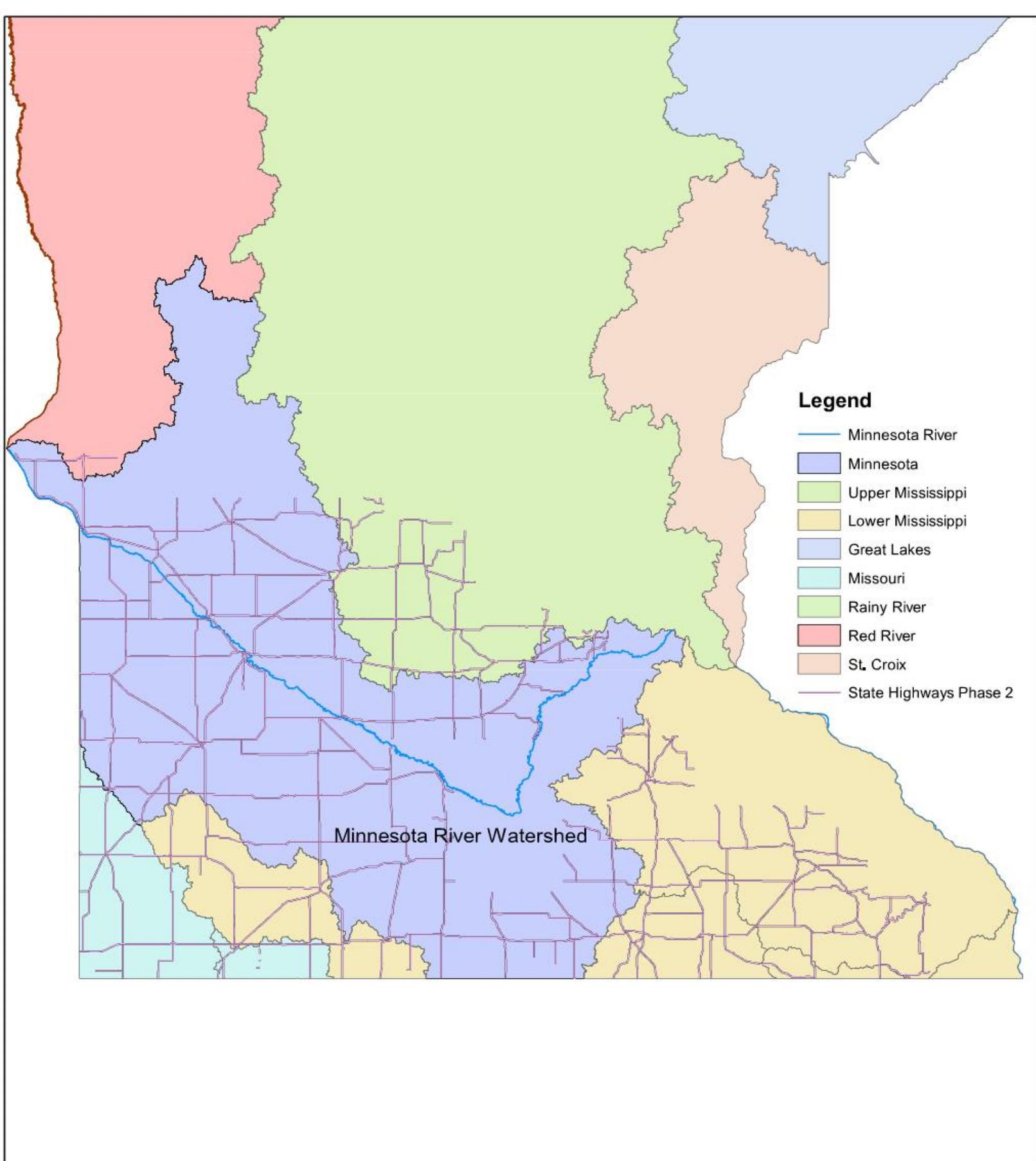


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**Figure 2. MndOT Slope Vulnerability  
Phase 2 Study Area (2019)**



**Figure 3. MnDOT Slope Vulnerability**

**Minnesota River Watershed**



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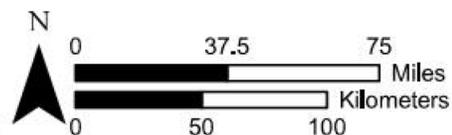
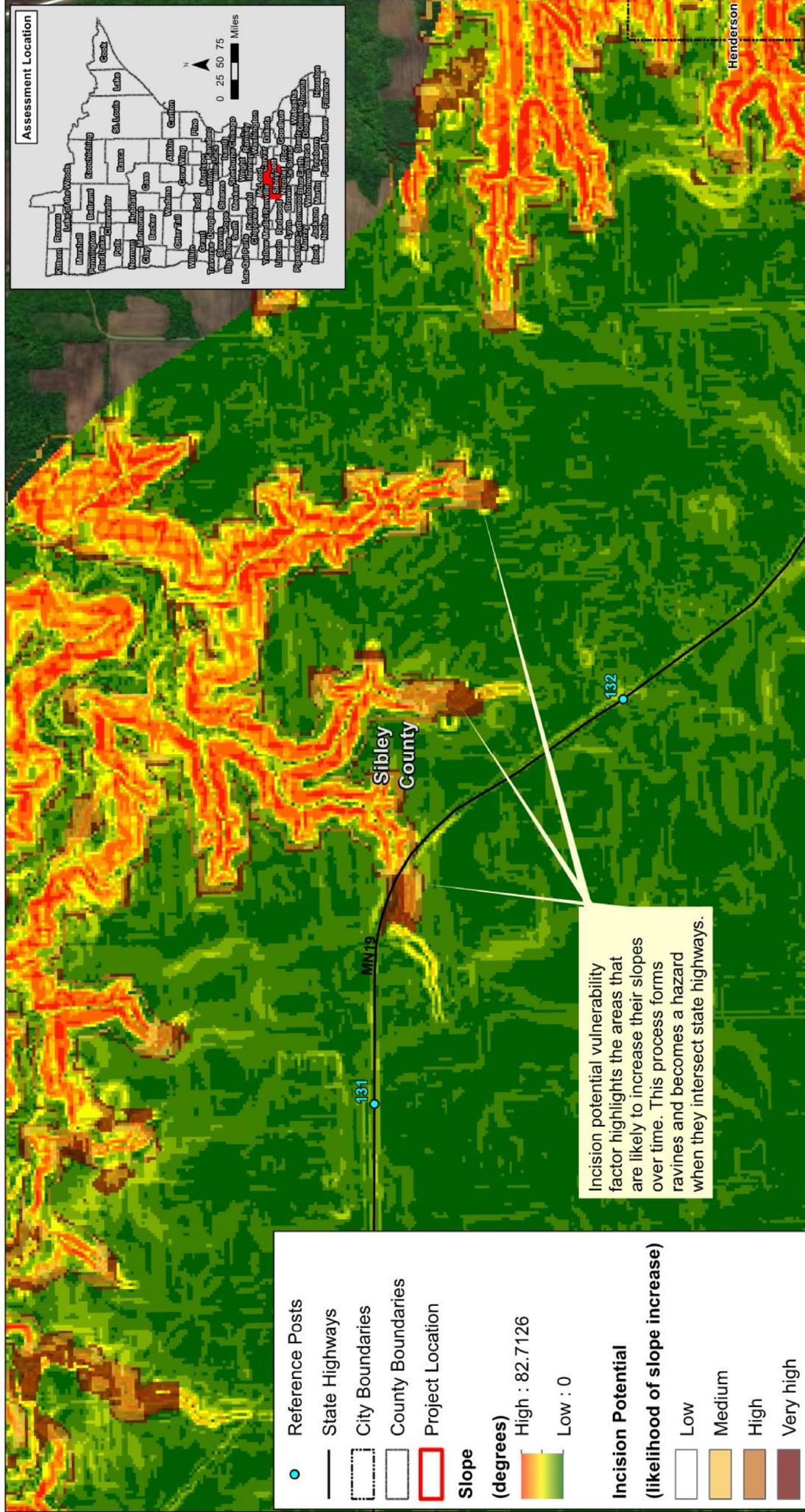




Figure 4. Ravine



Figure 5. Bluff



**Figure 6. MnDOT Slope Assessments - Causative Factors**  
**Incision potential (slopes likely to increase with time)**

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 Created By: Nick Rodgers  
 Basemap Source: ESRI Basemap  
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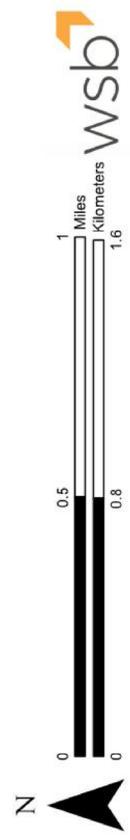




Figure 8. Example of Brown County Slope Vulnerability

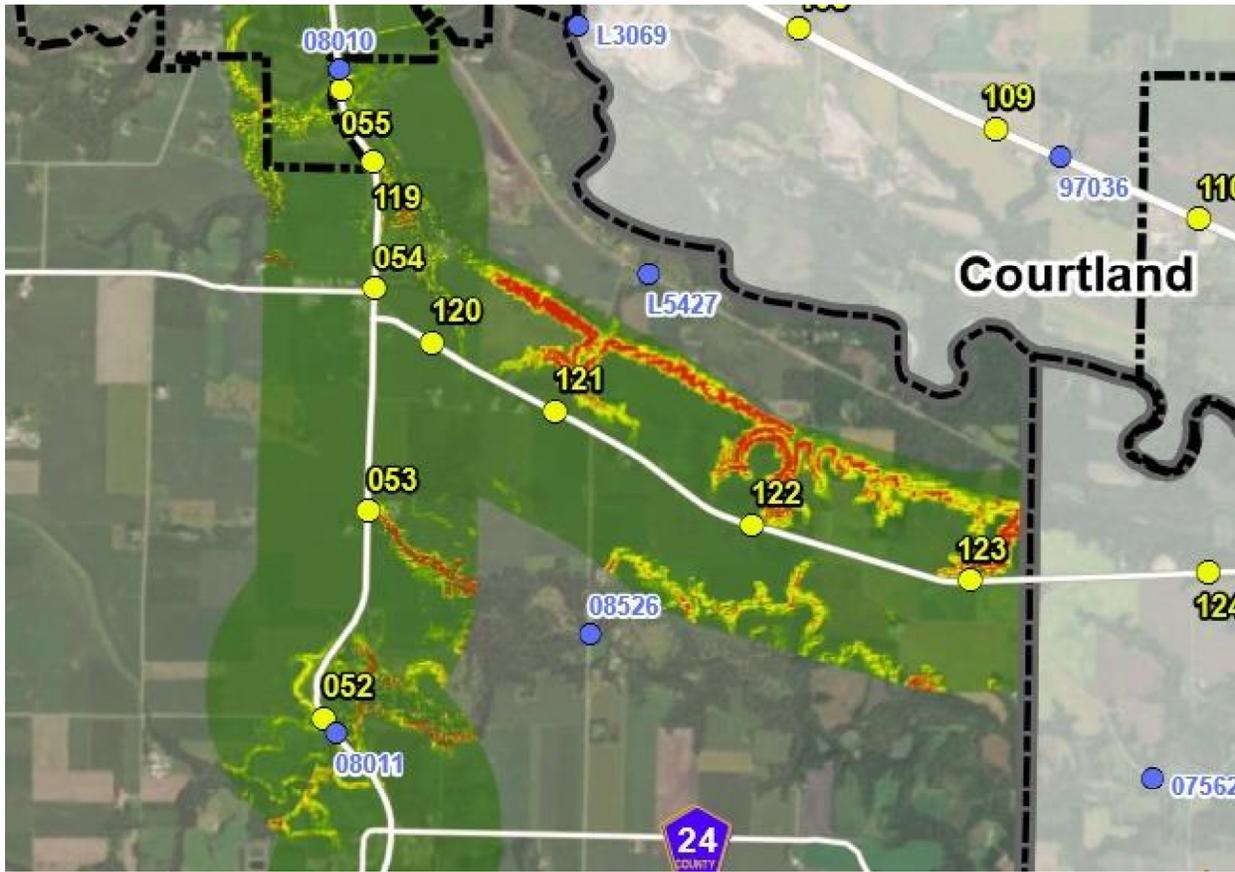
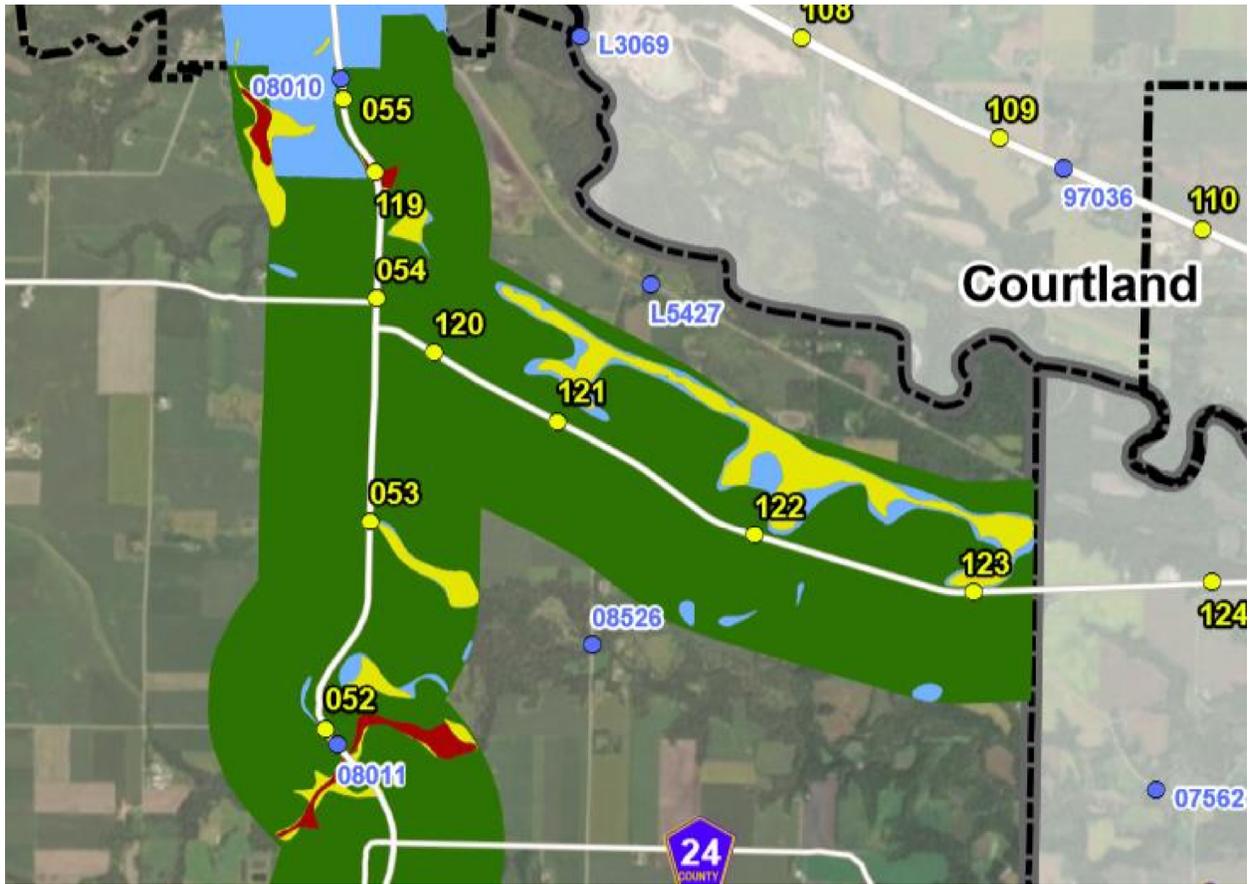


Figure 9. Proposed Management Areas Example

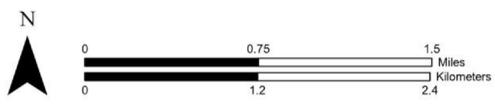


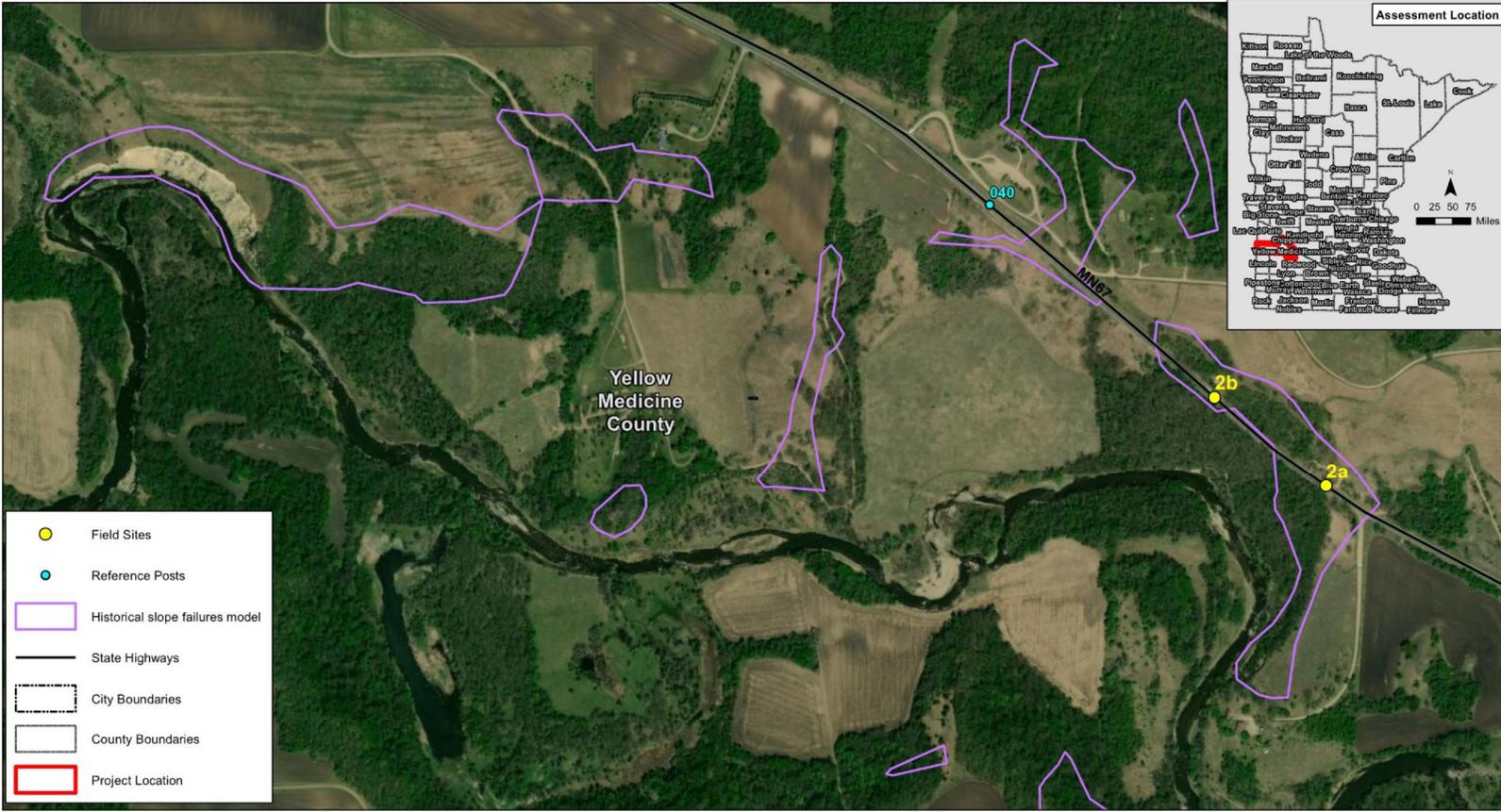


**Figure 10. MnDOT Field Assessments**  
**Site 1 - MN-68, Brown County, District 7**  
**Historical Slope Failures (Model Part 1)**



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**Figure 11. MnDOT Field Assessments**  
**Site 2 - MN-67, Yellow Medicine County, District 8**  
**Historical Slope Failures (Model Part 1)**

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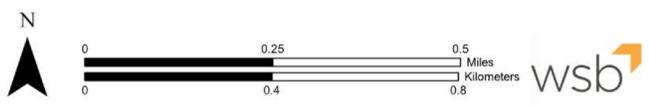




Figure 12. Looking Downslope. Photo: Nick Bradley, WSB.



Figure 13. Looking Upslope. Photo: Nick Bradley, WSB.



Figure 14. Two Ravine Finger Tips. Photo: Nick Bradley, WSB.



Figure 15. Intersected Water Table/ Spring. Photo: Nick Bradley, WSB.



**Figure 16. MnDOT Field Assessments  
Site 1 - MN-68, Brown County, District 7,  
Ravine Features**

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Figure 17. Crack in TH67 causes road closures and indicates deep-seated slope failures. Photo: Nick Bradley, WSB.



Figure 18. Cracks occur as far as 1000 feet from one another along TH67. Photo: Nick Bradley, WSB.



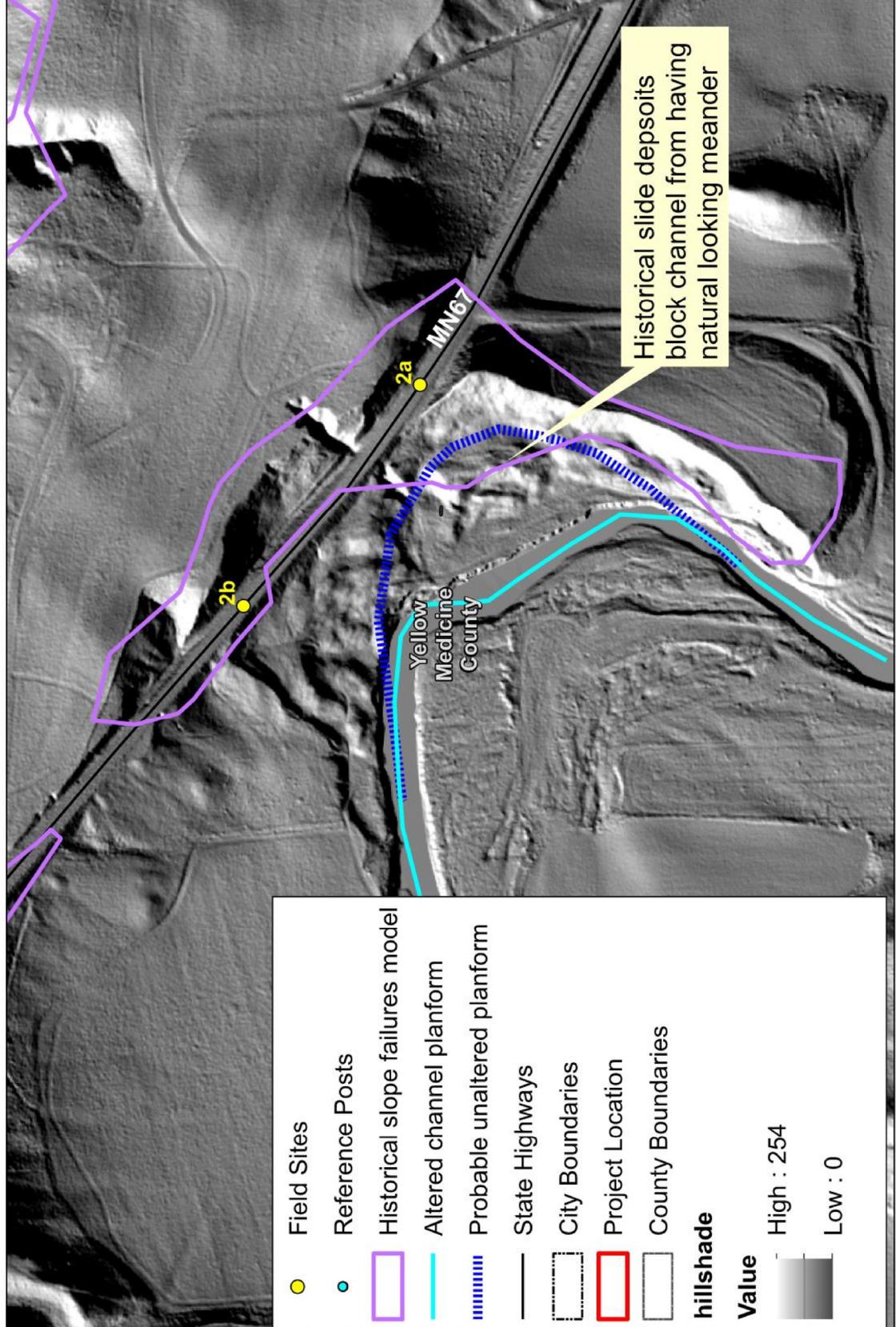
Figure 19. Very recent 4-foot tall head scarp in river terrace. Photo: Nick Bradley, WSB.



Figure 20. Scarp in floodplain causes the trail to become unusable. Photo: Nick Bradley, WSB.



Figure 21. Dozens of scarps formed around the same time spanning from the river to the higher road surface 500 feet away. Photo: Nick Bradley, WSB.



**Field Sites**

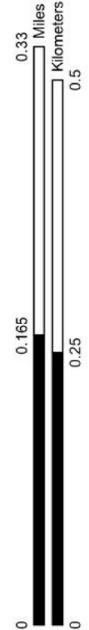
- Reference Posts
- Historical slope failures model
- Altered channel planform
- Probable unaltered planform
- State Highways
- City Boundaries
- Project Location
- County Boundaries

**hillshade**

**Value**

High : 254

Low : 0



**Figure 22. MnDOT Field Assessments**  
**Site 2 - MN-67, Yellow Medicine County, District 8**  
 **Landslide Deposits Alter Channel Planform**

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Table 1. Statistically Testing Causative Factors

	Variable(s)	Average r-square value for all 100,000 sites
<b>Single</b>	1. local relief (slope height)	0.576
	2. slope angle	0.455
	3. incision potential (slopes likely to increase)	0.4
	4. terrain curvature (shape of slope)	0.22
	5. distance to streams	0.131
	6. distance to bedrock outcrops	0.066
<b>Combinations</b>	7. slope and relief	0.64
	8. slope, relief, incision	0.69
	9. slope, relief, incision, terrain curvature	0.732
	10. slope, relief, incision, terrain curvature, streams	0.666
	11. slope, relief, incision, terrain curvature, streams, bedrock	0.775
	12. slope, relief, incision, terrain curvature, bedrock	0.748

		Consequence				
		Intersects Trunk Highways	Within 500 feet of Trunk Highways	More than 500 feet of Trunk Highways		
		Within Metro or Incorporated Town	Rural			
		Critical (5)	Serious (3)	Marginal (2)		
<b>LIKELIHOOD</b>	<b>Slope Stability</b>	<b>Rational</b>				
	<b>Low</b>	Slope is likely already experiencing mass failure or has the highest risk of failure.	Likely (4)	20 Site visit / action recommended*	12 Further evaluation*	8 Monitoring*
	<b>Medium</b>	Surface erosion and other pre-cursors for catastrophic failure.	Possible (3)	15 Further evaluation*	9 Monitoring*	6 No action*
	<b>High</b>	Slope has been repaired, recovered, or shows no signs of imminent future.	Unlikely (2)	10 Monitoring*	6 No action*	4 No action*

Table 2. Risk Matrix – NOTE: \* Denotes preliminary terminology

Table 3. Ranked List of Proposed Management Areas

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	849a	442103.302
2	Site Visit / Action Recommended	844a	208907.5166
3	Site Visit / Action Recommended	837a	201114.4415
4	Site Visit / Action Recommended	855a	132678.9704
5	Site Visit / Action Recommended	853a	100110.1211
6	Site Visit / Action Recommended	850a	88026.8665
7	Site Visit / Action Recommended	846a	75550.72822
8	Site Visit / Action Recommended	818a	68690.84772
9	Site Visit / Action Recommended	848a	40362.10514
10	Site Visit / Action Recommended	842a	40012.04798
11	Site Visit / Action Recommended	857a	32933.69498
12	Site Visit / Action Recommended	852a	27778.44205
13	Site Visit / Action Recommended	856a	25691.67037
14	Site Visit / Action Recommended	847a	16699.95478
15	Site Visit / Action Recommended	858a	16200.62485
16	Site Visit / Action Recommended	851a	14705.58016
17	Site Visit / Action Recommended	840a	10840.18171
18	Site Visit / Action Recommended	854a	9246.457686
19	Site Visit / Action Recommended	841a	4364.703396
20	Further Evaluation	1114b	437006.8591
21	Further Evaluation	306b	267004.831
22	Further Evaluation	1105b	143651.4226
23	Further Evaluation	307b	131829.8437
24	Further Evaluation	305b	114452.3178
25	Further Evaluation	1108b	101192.7862
26	Further Evaluation	291b	98812.42713
27	Further Evaluation	302b	71342.31257
28	Further Evaluation	301b	46188.95811
29	Further Evaluation	1118b	36483.33351
30	Further Evaluation	1107b	32853.89488
31	Further Evaluation	304b	26672.29135
32	Further Evaluation	1109b	19852.24899
33	Further Evaluation	1110b	18876.68727
34	Further Evaluation	1097b	18592.02888
35	Further Evaluation	1086b	17379.97451
36	Further Evaluation	288b	16812.49617
37	Further Evaluation	1115b	13436.06265
38	Further Evaluation	1102b	13402.42659
39	Further Evaluation	300b	13299.72259
40	Further Evaluation	1116b	13215.38612
41	Further Evaluation	1120b	11085.87476
42	Further Evaluation	1119b	10815.64443
43	Further Evaluation	1111b	9770.502576
44	Further Evaluation	1112b	9710.162906
45	Further Evaluation	287b	7456.660993
46	Further Evaluation	1089b	6246.030086
47	Further Evaluation	303b	5873.83732
48	Further Evaluation	1117b	5427.027246
49	Further Evaluation	281b	5415.65341
50	Further Evaluation	1113b	4543.136941
51	Further Evaluation	1100b	3477.798856
52	Monitoring	1432c	8436433.804
53	Monitoring	1438c	1882991.719
54	Monitoring	1436c	1632294.736
55	Monitoring	1440c	1394551.249
56	Monitoring	1422c	1293848.104
57	Monitoring	1439c	1229666.666
58	Monitoring	1417c	988480.1193
59	Monitoring	1429c	845671.0218

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	1437c	651350.6103
61	Monitoring	1097c	80887.07123
62	Monitoring	1084c	65736.96222
63	Monitoring	1099c	61244.62364
64	Monitoring	1100c	60315.06765
65	Monitoring	821c	51688.14994
66	Monitoring	818c	49862.14162
67	Monitoring	1094c	31748.1908
68	Monitoring	1081c	21667.4025
69	Monitoring	816c	20265.27422
70	Monitoring	1096c	18107.60146
71	Monitoring	789c	18060.09396
72	Monitoring	787c	16949.88451
73	Monitoring	788c	14928.22291
74	Monitoring	820c	14726.18966
75	Monitoring	1083c	14221.58733
76	Monitoring	1075c	12953.55986
77	Monitoring	819c	10656.44497
78	Monitoring	1079c	8943.895725
79	Monitoring	794c	7674.437967
80	Monitoring	1435c	6002.19165
81	Monitoring	817c	5877.395101
82	Monitoring	793c	5296.023054
83	Monitoring	1101c	4358.602767
84	Monitoring	1098c	4155.534139
85	Monitoring	779c	3943.561347
86	Monitoring	791c	3895.781246
87	Monitoring	1430c	2081.004

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	489a	543065.367
2	Site Visit / Action Recommended	473a	334848.0112
3	Site Visit / Action Recommended	404a	135398.4599
4	Site Visit / Action Recommended	431a	125661.5449
5	Site Visit / Action Recommended	451a	106365.9554
6	Site Visit / Action Recommended	449a	88617.1025
7	Site Visit / Action Recommended	458a	57630.4538
8	Site Visit / Action Recommended	452a	56061.73036
9	Site Visit / Action Recommended	421a	46876.04641
10	Site Visit / Action Recommended	462a	45228.10941
11	Site Visit / Action Recommended	403a	42385.18189
12	Site Visit / Action Recommended	429a	34264.37517
13	Site Visit / Action Recommended	418a	32533.50743
14	Site Visit / Action Recommended	397a	32390.76032
15	Site Visit / Action Recommended	453a	27947.65973
16	Site Visit / Action Recommended	436a	27192.43012
17	Site Visit / Action Recommended	464a	21354.53358
18	Site Visit / Action Recommended	423a	18560.07787
19	Site Visit / Action Recommended	422a	17061.09789
20	Site Visit / Action Recommended	454a	11265.75792
21	Site Visit / Action Recommended	405a	9228.125605
22	Site Visit / Action Recommended	411a	9145.682443
23	Site Visit / Action Recommended	450a	5711.952654
24	Site Visit / Action Recommended	432a	5427.47951
25	Site Visit / Action Recommended	433a	5007.844289
26	Site Visit / Action Recommended	448a	3746.900485
27	Further Evaluation	148b	744476.7028
28	Further Evaluation	775b	349009.9251
29	Further Evaluation	767b	178287.4838
30	Further Evaluation	714b	123974.8125
31	Further Evaluation	143b	103384.439
32	Further Evaluation	697b	90526.49314
33	Further Evaluation	698b	75349.14708
34	Further Evaluation	141b	52485.43381
35	Further Evaluation	150b	48379.20704
36	Further Evaluation	151b	40992.00538
37	Further Evaluation	720b	27979.79191
38	Further Evaluation	165b	19359.95518
39	Further Evaluation	127b	18995.70307
40	Further Evaluation	726b	16368.29146
41	Further Evaluation	155b	14461.36946
42	Further Evaluation	139b	13024.90157
43	Further Evaluation	725b	10323.94246
44	Further Evaluation	748b	10212.00444
45	Further Evaluation	154b	9508.26793
46	Further Evaluation	747b	8788.359531
47	Further Evaluation	745b	8631.032939
48	Further Evaluation	716b	8330.270369
49	Further Evaluation	746b	7014.306966
50	Further Evaluation	166b	6944.825554
51	Further Evaluation	144b	6607.930287
52	Further Evaluation	136b	5259.142371
53	Further Evaluation	168b	4441.96307
54	Further Evaluation	715b	4374.565292
55	Further Evaluation	750b	4188.216667
56	Further Evaluation	132b	4055.710731
57	Further Evaluation	711b	3815.994627
58	Further Evaluation	718b	2791.644589
59	Further Evaluation	751b	2768.726137

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Further Evaluation	749b	2220.597301
61	Further Evaluation	707b	1421.405276
62	Further Evaluation	722b	1413.005809
63	Further Evaluation	760b	684.5667026
64	Further Evaluation	695b	315.0129169
65	Monitoring	1276c	13963989.5
66	Monitoring	1272c	4951527.762
67	Monitoring	1266c	3424826.982
68	Monitoring	1270c	2512354.034
69	Monitoring	1279c	2261516.713
70	Monitoring	1253c	628786.5036
71	Monitoring	972c	390995.8674
72	Monitoring	970c	99502.95889
73	Monitoring	965c	44379.88073
74	Monitoring	391c	32745.15893
75	Monitoring	432c	26833.85248
76	Monitoring	397c	25911.71543
77	Monitoring	410c	21468.02425
78	Monitoring	372c	18137.50918
79	Monitoring	471c	18105.93009
80	Monitoring	411c	17489.00695
81	Monitoring	475c	16973.01984
82	Monitoring	417c	15389.29257
83	Monitoring	492c	15305.69285
84	Monitoring	467c	14960.6975
85	Monitoring	371c	13197.13662
86	Monitoring	415c	12290.29949
87	Monitoring	964c	10360.43897
88	Monitoring	461c	9913.783743
89	Monitoring	439c	9594.954329
90	Monitoring	963c	9392.620072
91	Monitoring	447c	9138.084483
92	Monitoring	406c	8708.758666
93	Monitoring	416c	8292.880045
94	Monitoring	375c	8022.121009
95	Monitoring	422c	7701.556402
96	Monitoring	359c	7622.39998
97	Monitoring	966c	7001.575039
98	Monitoring	463c	6390.676305
99	Monitoring	400c	6306.420293
100	Monitoring	968c	6196.945702
101	Monitoring	421c	6012.611055
102	Monitoring	974c	5653.437865
103	Monitoring	413c	4914.389988
104	Monitoring	419c	4696.384896
105	Monitoring	977c	4346.704128
106	Monitoring	369c	4085.769309
107	Monitoring	458c	3843.98561
108	Monitoring	409c	3103.715134
109	Monitoring	987c	2768.686022
110	Monitoring	985c	1382.968667
111	Monitoring	978c	40.78005062

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	624a	1134906.509
2	Site Visit / Action Recommended	651a	307821.065
3	Site Visit / Action Recommended	619a	270531.8349
4	Site Visit / Action Recommended	652a	159603.8623
5	Site Visit / Action Recommended	625a	138496.8707
6	Site Visit / Action Recommended	663a	114525.2706
7	Site Visit / Action Recommended	674a	110160.6402
8	Site Visit / Action Recommended	692a	98407.95391
9	Site Visit / Action Recommended	668a	62525.72882
10	Site Visit / Action Recommended	578a	60468.73936
11	Site Visit / Action Recommended	702a	53566.12092
12	Site Visit / Action Recommended	669a	49185.53986
13	Site Visit / Action Recommended	660a	34512.13123
14	Site Visit / Action Recommended	643a	33214.48107
15	Site Visit / Action Recommended	599a	28061.03245
16	Site Visit / Action Recommended	616a	24306.70185
17	Site Visit / Action Recommended	689a	22361.04238
18	Site Visit / Action Recommended	646a	22353.85071
19	Site Visit / Action Recommended	676a	22225.86122
20	Site Visit / Action Recommended	618a	20305.77402
21	Site Visit / Action Recommended	679a	18534.21813
22	Site Visit / Action Recommended	666a	17509.08478
23	Site Visit / Action Recommended	610a	17267.27731
24	Site Visit / Action Recommended	657a	16863.77401
25	Site Visit / Action Recommended	622a	14819.37943
26	Site Visit / Action Recommended	678a	14246.32212
27	Site Visit / Action Recommended	650a	13715.02794
28	Site Visit / Action Recommended	673a	13306.23167
29	Site Visit / Action Recommended	677a	13220.06695
30	Site Visit / Action Recommended	696a	13069.95537
31	Site Visit / Action Recommended	609a	12559.06923
32	Site Visit / Action Recommended	574a	11714.1374
33	Site Visit / Action Recommended	671a	11216.77028
34	Site Visit / Action Recommended	604a	10781.35256
35	Site Visit / Action Recommended	601a	10374.19102
36	Site Visit / Action Recommended	658a	9753.618031
37	Site Visit / Action Recommended	605a	8726.224143
38	Site Visit / Action Recommended	595a	8573.685129
39	Site Visit / Action Recommended	654a	8549.136749
40	Site Visit / Action Recommended	641a	7498.509071
41	Site Visit / Action Recommended	647a	7288.939941
42	Site Visit / Action Recommended	656a	7233.988944
43	Site Visit / Action Recommended	690a	7085.034722
44	Site Visit / Action Recommended	635a	6784.195981
45	Site Visit / Action Recommended	615a	6048.693272
46	Site Visit / Action Recommended	691a	5963.608276
47	Site Visit / Action Recommended	645a	5748.471094
48	Site Visit / Action Recommended	644a	5703.296539
49	Site Visit / Action Recommended	662a	5416.260468
50	Site Visit / Action Recommended	659a	5313.920344
51	Site Visit / Action Recommended	670a	4826.023764
52	Site Visit / Action Recommended	661a	4752.401891
53	Site Visit / Action Recommended	649a	4720.550414
54	Site Visit / Action Recommended	653a	4620.470127
55	Site Visit / Action Recommended	631a	4257.808437
56	Site Visit / Action Recommended	634a	4174.277274
57	Site Visit / Action Recommended	606a	4086.754733
58	Site Visit / Action Recommended	683a	3669.055772
59	Site Visit / Action Recommended	667a	3403.917263

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Further Evaluation	964b	290503.7357
61	Further Evaluation	899b	180944.8986
62	Further Evaluation	933b	160109.7949
63	Further Evaluation	897b	132503.3837
64	Further Evaluation	879b	121333.1171
65	Further Evaluation	924b	94852.74559
66	Further Evaluation	922b	85203.36868
67	Further Evaluation	976b	79687.79905
68	Further Evaluation	225b	78665.89479
69	Further Evaluation	927b	71052.39535
70	Further Evaluation	900b	70373.67228
71	Further Evaluation	212b	69824.33212
72	Further Evaluation	956b	64099.39644
73	Further Evaluation	938b	56638.94603
74	Further Evaluation	213b	49927.18103
75	Further Evaluation	906b	46910.96881
76	Further Evaluation	940b	44362.27196
77	Further Evaluation	962b	35399.00247
78	Further Evaluation	239b	28499.37168
79	Further Evaluation	970b	27139.54204
80	Further Evaluation	238b	25696.84485
81	Further Evaluation	945b	24160.4243
82	Further Evaluation	232b	21153.46509
83	Further Evaluation	898b	20825.28787
84	Further Evaluation	913b	20324.76731
85	Further Evaluation	892b	19309.84036
86	Further Evaluation	887b	18991.56722
87	Further Evaluation	937b	18188.96415
88	Further Evaluation	936b	17708.8347
89	Further Evaluation	949b	15017.57369
90	Further Evaluation	914b	14224.58249
91	Further Evaluation	958b	12834.61933
92	Further Evaluation	921b	12652.32537
93	Further Evaluation	217b	11679.34783
94	Further Evaluation	955b	11634.24433
95	Further Evaluation	943b	11519.63686
96	Further Evaluation	871b	11513.3333
97	Further Evaluation	935b	11152.30419
98	Further Evaluation	886b	10953.26506
99	Further Evaluation	883b	10843.31789
100	Further Evaluation	952b	10249.18467
101	Further Evaluation	960b	10194.35244
102	Further Evaluation	930b	10058.92545
103	Further Evaluation	947b	9889.535098
104	Further Evaluation	950b	9187.561386
105	Further Evaluation	959b	9111.883283
106	Further Evaluation	880b	9104.001896
107	Further Evaluation	216b	8637.372103
108	Further Evaluation	885b	8621.328299
109	Further Evaluation	925b	8340.585953
110	Further Evaluation	926b	7915.614744
111	Further Evaluation	953b	7670.450547
112	Further Evaluation	874b	7666.611691
113	Further Evaluation	928b	7355.366081
114	Further Evaluation	909b	6841.60096
115	Further Evaluation	915b	6666.916012
116	Further Evaluation	882b	6609.963156
117	Further Evaluation	941b	6594.755513
118	Further Evaluation	980b	6566.403109

Rank	Action	Area Name	Area (m <sup>2</sup> )
119	Further Evaluation	951b	6490.559913
120	Further Evaluation	946b	6428.019689
121	Further Evaluation	865b	5996.172916
122	Further Evaluation	866b	5926.208867
123	Further Evaluation	923b	5628.203489
124	Further Evaluation	917b	5595.865491
125	Further Evaluation	907b	5563.748253
126	Further Evaluation	954b	5341.496086
127	Further Evaluation	230b	5218.814348
128	Further Evaluation	932b	4832.264596
129	Further Evaluation	919b	4802.336244
130	Further Evaluation	893b	4743.129074
131	Further Evaluation	849b	4529.568563
132	Further Evaluation	873b	4446.356431
133	Further Evaluation	963b	3827.478727
134	Further Evaluation	957b	3225.322457
135	Further Evaluation	888b	1787.614369
136	Further Evaluation	870b	1724.070214
137	Further Evaluation	942b	1206.35814
138	Monitoring	1369c	64721130.45
139	Monitoring	1367c	5630803.66
140	Monitoring	1358c	3789589.574
141	Monitoring	1355c	2571884.944
142	Monitoring	1386c	2130119.174
143	Monitoring	1371c	1627178.378
144	Monitoring	1350c	699178.7385
145	Monitoring	1381c	238529.2662
146	Monitoring	1352c	222584.7924
147	Monitoring	606c	64874.50009
148	Monitoring	619c	54201.94363
149	Monitoring	1340c	53450.99626
150	Monitoring	643c	37774.57348
151	Monitoring	1375c	32503.57002
152	Monitoring	621c	27107.91017
153	Monitoring	641c	26235.93432
154	Monitoring	1025c	20480.96277
155	Monitoring	1021c	19475.29407
156	Monitoring	645c	14844.91884
157	Monitoring	1030c	14070.56556
158	Monitoring	610c	13362.38894
159	Monitoring	661c	13294.20249
160	Monitoring	649c	11968.38834
161	Monitoring	662c	11455.98088
162	Monitoring	1370c	10188.33809
163	Monitoring	1035c	9001.181467
164	Monitoring	1022c	8092.79501
165	Monitoring	607c	7560.232991
166	Monitoring	646c	7106.897448
167	Monitoring	1024c	5092.094634
168	Monitoring	611c	5031.88386
169	Monitoring	1033c	4616.534907
170	Monitoring	620c	4273.373364
171	Monitoring	1027c	3831.642918
172	Monitoring	647c	3696.077302
173	Monitoring	1034c	3007.026469
174	Monitoring	1023c	2646.374982
175	Monitoring	1320c	1046.686232
176	Monitoring	1324c	430.1782172
177	Monitoring	1327c	421.7541244

4

<b>Rank</b>	<b>Action</b>	<b>Area Name</b>	<b>Area (m<sup>2</sup>)</b>
178	Monitoring	1321c	169.9190525
179	Monitoring	1331c	73.35354555
180	Monitoring	1330c	28.64838569

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	638a	507930.1534
2	Site Visit / Action Recommended	727a	181035.2247
3	Site Visit / Action Recommended	776a	159582.5584
4	Site Visit / Action Recommended	730a	131338.0795
5	Site Visit / Action Recommended	762a	120381.1455
6	Site Visit / Action Recommended	775a	105523.4102
7	Site Visit / Action Recommended	772a	102513.0838
8	Site Visit / Action Recommended	737a	101029.9012
9	Site Visit / Action Recommended	723a	85974.27403
10	Site Visit / Action Recommended	717a	74586.65784
11	Site Visit / Action Recommended	769a	59982.49377
12	Site Visit / Action Recommended	767a	57857.31418
13	Site Visit / Action Recommended	712a	56106.13375
14	Site Visit / Action Recommended	729a	52481.94161
15	Site Visit / Action Recommended	738a	50650.0404
16	Site Visit / Action Recommended	734a	47298.14824
17	Site Visit / Action Recommended	697a	33499.62519
18	Site Visit / Action Recommended	735a	32171.43816
19	Site Visit / Action Recommended	704a	29400.76834
20	Site Visit / Action Recommended	733a	25501.42012
21	Site Visit / Action Recommended	724a	19901.85181
22	Site Visit / Action Recommended	763a	12124.1775
23	Site Visit / Action Recommended	751a	12000.66045
24	Site Visit / Action Recommended	716a	11718.1327
25	Site Visit / Action Recommended	636a	11708.75496
26	Site Visit / Action Recommended	736a	10966.08795
27	Site Visit / Action Recommended	740a	9646.816011
28	Site Visit / Action Recommended	731a	9528.714149
29	Site Visit / Action Recommended	748a	9308.905614
30	Site Visit / Action Recommended	746a	9129.696083
31	Site Visit / Action Recommended	766a	9100.030031
32	Site Visit / Action Recommended	698a	7733.556566
33	Site Visit / Action Recommended	720a	7020.95984
34	Site Visit / Action Recommended	761a	6381.451607
35	Site Visit / Action Recommended	715a	6352.763109
36	Site Visit / Action Recommended	713a	6162.516033
37	Site Visit / Action Recommended	732a	5446.616552
38	Site Visit / Action Recommended	777a	4658.623629
39	Site Visit / Action Recommended	784a	4499.52311
40	Site Visit / Action Recommended	722a	4464.565546
41	Site Visit / Action Recommended	768a	4429.480456
42	Further Evaluation	916b	273442.2334
43	Further Evaluation	241b	60707.42229
44	Further Evaluation	989b	53911.33119
45	Further Evaluation	996b	53022.9175
46	Further Evaluation	1002b	40787.17187
47	Further Evaluation	240b	38919.09616
48	Further Evaluation	1000b	37066.81386
49	Further Evaluation	974b	31673.30336
50	Further Evaluation	911b	25466.11918
51	Further Evaluation	268b	22041.60608
52	Further Evaluation	982b	20158.22401
53	Further Evaluation	1040b	19418.6081
54	Further Evaluation	1037b	17051.8809
55	Further Evaluation	998b	16273.75033
56	Further Evaluation	973b	15948.73039
57	Further Evaluation	999b	15708.34521
58	Further Evaluation	1025b	15465.03251
59	Further Evaluation	1042b	14274.61422

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Further Evaluation	265b	12594.31052
61	Further Evaluation	981b	10646.33781
62	Further Evaluation	992b	10642.03706
63	Further Evaluation	248b	9284.06175
64	Further Evaluation	1003b	8727.756464
65	Further Evaluation	995b	6536.199751
66	Further Evaluation	975b	6059.723206
67	Further Evaluation	990b	6005.198225
68	Further Evaluation	979b	5977.004822
69	Further Evaluation	247b	5733.97769
70	Further Evaluation	997b	5569.058979
71	Further Evaluation	934b	5300.205612
72	Further Evaluation	243b	4726.215203
73	Further Evaluation	249b	4450.10665
74	Further Evaluation	1017b	2952.819487
75	Further Evaluation	1005b	2568.464373
76	Further Evaluation	991b	2383.715643
77	Further Evaluation	984b	1898.329996
78	Further Evaluation	1039b	1058.416717
79	Further Evaluation	993b	942.6616623
80	Further Evaluation	986b	467.7023051
81	Monitoring	1392c	9195366.966
82	Monitoring	1366c	5056383.645
83	Monitoring	1390c	2960491.403
84	Monitoring	1406c	2819053.652
85	Monitoring	1377c	1505991.628
86	Monitoring	1394c	384051.3973
87	Monitoring	704c	221589.6903
88	Monitoring	696c	97387.29195
89	Monitoring	701c	52540.1559
90	Monitoring	678c	44271.81097
91	Monitoring	729c	40728.22723
92	Monitoring	705c	35887.48459
93	Monitoring	676c	34450.10518
94	Monitoring	660c	33429.8508
95	Monitoring	735c	25374.41927
96	Monitoring	1391c	16781.3076
97	Monitoring	1388c	16417.62984
98	Monitoring	703c	16245.13564
99	Monitoring	682c	14279.03694
100	Monitoring	739c	14170.17161
101	Monitoring	683c	13055.04835
102	Monitoring	706c	12759.55123
103	Monitoring	694c	12493.66548
104	Monitoring	697c	11887.81821
105	Monitoring	700c	11695.87385
106	Monitoring	702c	11677.10434
107	Monitoring	738c	10796.96258
108	Monitoring	1048c	10053.91079
109	Monitoring	713c	9911.086953
110	Monitoring	736c	8884.676239
111	Monitoring	737c	8271.295993
112	Monitoring	712c	7859.480473
113	Monitoring	734c	6436.892353
114	Monitoring	742c	5960.205474
115	Monitoring	681c	5800.228544
116	Monitoring	750c	5607.283343
117	Monitoring	711c	3701.474154
118	Monitoring	1389c	2065.218637

Rank	Action	Area Name	Area (m <sup>2</sup> )
119	Monitoring	1058c	1925.397301
120	Monitoring	1036c	1921.944662
121	Monitoring	1039c	1738.680938
122	Monitoring	1061c	1463.125945
123	Monitoring	1063c	1412.699635
124	Monitoring	1047c	476.6002664
125	Monitoring	688c	412.1463068
126	Monitoring	1062c	382.3214451

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	359a	637399.2812
2	Site Visit / Action Recommended	250a	470934.3628
3	Site Visit / Action Recommended	357a	127811.8558
4	Site Visit / Action Recommended	352a	76319.18913
5	Site Visit / Action Recommended	251a	52262.64334
6	Site Visit / Action Recommended	267a	44362.15045
7	Site Visit / Action Recommended	236a	28244.86845
8	Site Visit / Action Recommended	306a	27892.49217
9	Site Visit / Action Recommended	385a	25642.82715
10	Site Visit / Action Recommended	361a	19315.5956
11	Site Visit / Action Recommended	278a	15990.98559
12	Site Visit / Action Recommended	248a	14326.87235
13	Site Visit / Action Recommended	339a	8536.422606
14	Site Visit / Action Recommended	384a	6217.154775
15	Site Visit / Action Recommended	355a	5864.508687
16	Site Visit / Action Recommended	245a	5688.994349
17	Site Visit / Action Recommended	240a	5603.273036
18	Site Visit / Action Recommended	353a	4706.112252
19	Site Visit / Action Recommended	259a	4284.843382
20	Further Evaluation	654b	76328.24497
21	Further Evaluation	546b	32261.34097
22	Further Evaluation	655b	21865.49747
23	Further Evaluation	111b	19175.13547
24	Further Evaluation	110b	19081.62737
25	Further Evaluation	583b	17713.08523
26	Further Evaluation	650b	15348.57568
27	Further Evaluation	535b	14561.96845
28	Further Evaluation	541b	8150.493213
29	Further Evaluation	538b	7695.852194
30	Further Evaluation	547b	5297.733751
31	Further Evaluation	658b	2535.849847
32	Further Evaluation	561b	2175.421276
33	Further Evaluation	572b	976.3068335
34	Monitoring	1199c	6487405.761
35	Monitoring	1200c	1869951.196
36	Monitoring	1206c	1494842.96
37	Monitoring	1239c	1119169.096
38	Monitoring	1237c	819958.0917
39	Monitoring	1243c	652157.0929
40	Monitoring	341c	156658.8905
41	Monitoring	234c	42279.40624
42	Monitoring	899c	32016.90968
43	Monitoring	235c	31053.47548
44	Monitoring	900c	30302.09451
45	Monitoring	333c	24843.23844
46	Monitoring	337c	22123.87885
47	Monitoring	331c	20520.78568
48	Monitoring	230c	17084.10611
49	Monitoring	226c	15665.0529
50	Monitoring	241c	15181.29339
51	Monitoring	326c	13789.98952
52	Monitoring	325c	12334.04401
53	Monitoring	345c	8716.264961
54	Monitoring	324c	7345.792969
55	Monitoring	1196c	7323.369236
56	Monitoring	280c	6877.50339
57	Monitoring	332c	5399.644981
58	Monitoring	236c	5332.625198
59	Monitoring	294c	5221.360258

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	381c	5089.93508
61	Monitoring	343c	5039.929843
62	Monitoring	335c	5037.108619
63	Monitoring	936c	4980.760614
64	Monitoring	267c	4893.63711
65	Monitoring	269c	4141.365424
66	Monitoring	921c	3876.363302
67	Monitoring	344c	3630.732576
68	Monitoring	1205c	2598.509375
69	Monitoring	339c	1739.064692
70	Monitoring	954c	1196.921148
71	Monitoring	935c	461.64257

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	383a	260163.7495
2	Site Visit / Action Recommended	340a	130792.7205
3	Site Visit / Action Recommended	379a	106545.5038
4	Site Visit / Action Recommended	387a	22348.95196
5	Site Visit / Action Recommended	350a	22080.86327
6	Site Visit / Action Recommended	241a	19599.63066
7	Site Visit / Action Recommended	320a	15289.43748
8	Site Visit / Action Recommended	354a	11419.34869
9	Site Visit / Action Recommended	356a	9921.087762
10	Site Visit / Action Recommended	222a	6471.149614
11	Site Visit / Action Recommended	324a	6420.837344
12	Site Visit / Action Recommended	237a	6399.686945
13	Site Visit / Action Recommended	365a	5870.296972
14	Site Visit / Action Recommended	317a	5860.937563
15	Site Visit / Action Recommended	369a	4378.535798
16	Site Visit / Action Recommended	238a	4121.312616
17	Further Evaluation	109b	378876.3378
18	Further Evaluation	639b	360609.8602
19	Further Evaluation	131b	106160.1234
20	Further Evaluation	653b	41114.60782
21	Further Evaluation	106b	38053.60509
22	Further Evaluation	684b	26209.0869
23	Further Evaluation	625b	21173.36543
24	Further Evaluation	108b	20309.24967
25	Further Evaluation	621b	18556.50558
26	Further Evaluation	664b	16836.1074
27	Further Evaluation	112b	16422.50408
28	Further Evaluation	646b	12759.19843
29	Further Evaluation	633b	12351.81045
30	Further Evaluation	533b	9645.75586
31	Further Evaluation	76b	5335.291826
32	Further Evaluation	565b	4488.078728
33	Further Evaluation	537b	4467.567084
34	Further Evaluation	525b	4377.736071
35	Further Evaluation	100b	4310.350886
36	Further Evaluation	647b	3864.414264
37	Further Evaluation	637b	3304.024936
38	Further Evaluation	620b	2450.688029
39	Further Evaluation	667b	2433.816692
40	Further Evaluation	677b	693.4560961
41	Monitoring	1233c	4418796.263
42	Monitoring	1242c	2790849.072
43	Monitoring	1252c	2776644.444
44	Monitoring	1192c	2593029.485
45	Monitoring	1226c	2479759.371
46	Monitoring	1235c	1287455.201
47	Monitoring	1223c	374949.4336
48	Monitoring	1234c	204820.8849
49	Monitoring	221c	132538.4405
50	Monitoring	362c	86737.81768
51	Monitoring	1224c	68903.85695
52	Monitoring	376c	28812.82967
53	Monitoring	361c	22471.74231
54	Monitoring	318c	18338.77116
55	Monitoring	937c	18138.16193
56	Monitoring	949c	13528.977
57	Monitoring	314c	11718.90013
58	Monitoring	305c	10945.75223
59	Monitoring	959c	9090.707548

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Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	212c	7950.222438
61	Monitoring	374c	7584.937397
62	Monitoring	239c	7038.520131
63	Monitoring	389c	6760.940757
64	Monitoring	237c	5741.152244
65	Monitoring	393c	4539.085609
66	Monitoring	370c	4344.689087
67	Monitoring	930c	4331.49627
68	Monitoring	923c	2373.219956
69	Monitoring	932c	388.3989607

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	67a	265246.8748
2	Site Visit / Action Recommended	120a	193021.2978
3	Site Visit / Action Recommended	137a	185191.5171
4	Site Visit / Action Recommended	49a	169572.3352
5	Site Visit / Action Recommended	71a	74395.66318
6	Site Visit / Action Recommended	57a	26827.57698
7	Site Visit / Action Recommended	181a	26159.11542
8	Site Visit / Action Recommended	70a	23523.44823
9	Site Visit / Action Recommended	54a	16184.63175
10	Site Visit / Action Recommended	89a	13093.6468
11	Site Visit / Action Recommended	151a	12480.74135
12	Site Visit / Action Recommended	68a	11823.22949
13	Site Visit / Action Recommended	153a	7901.381945
14	Site Visit / Action Recommended	143a	7150.457866
15	Site Visit / Action Recommended	52a	6738.075734
16	Site Visit / Action Recommended	56a	6632.696424
17	Site Visit / Action Recommended	149a	6026.686565
18	Site Visit / Action Recommended	171a	5418.429669
19	Site Visit / Action Recommended	202a	4987.230623
20	Site Visit / Action Recommended	117a	4347.057281
21	Site Visit / Action Recommended	132a	4254.925531
22	Site Visit / Action Recommended	53a	4004.32907
23	Further Evaluation	68b	190322.7307
24	Further Evaluation	429b	77173.39479
25	Further Evaluation	464b	47636.9169
26	Further Evaluation	60b	45458.69365
27	Further Evaluation	351b	32389.2969
28	Further Evaluation	414b	30362.65477
29	Further Evaluation	371b	26763.68418
30	Further Evaluation	61b	24792.31632
31	Further Evaluation	39b	24146.79562
32	Further Evaluation	35b	22137.15582
33	Further Evaluation	36b	16153.72243
34	Further Evaluation	426b	12364.76058
35	Further Evaluation	350b	12071.21174
36	Further Evaluation	367b	10992.0742
37	Further Evaluation	382b	10236.43149
38	Further Evaluation	47b	8491.678044
39	Further Evaluation	365b	8254.128202
40	Further Evaluation	503b	7274.049532
41	Further Evaluation	347b	6048.293539
42	Further Evaluation	43b	3862.557822
43	Further Evaluation	348b	2507.865678
44	Further Evaluation	358b	2402.01084
45	Monitoring	1131c	4732937.111
46	Monitoring	1173c	4002513.427
47	Monitoring	1182c	3270043.145
48	Monitoring	1165c	2927945.51
49	Monitoring	1104c	2310027.409
50	Monitoring	1169c	1624245.793
51	Monitoring	1170c	1294427.173
52	Monitoring	1109c	1113343.777
53	Monitoring	1122c	1089963.533
54	Monitoring	1113c	757024.1174
55	Monitoring	879c	355022.2822
56	Monitoring	116c	266235.3864
57	Monitoring	134c	187387.9969
58	Monitoring	1166c	143206.2958
59	Monitoring	891c	66367.97826

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	15c	54752.68137
61	Monitoring	169c	50687.38351
62	Monitoring	142c	45374.07283
63	Monitoring	1164c	44954.32665
64	Monitoring	125c	39122.15855
65	Monitoring	23c	35887.65617
66	Monitoring	863c	25823.69711
67	Monitoring	860c	25747.51066
68	Monitoring	141c	24327.22014
69	Monitoring	83c	23080.39148
70	Monitoring	109c	21719.53
71	Monitoring	200c	21178.02249
72	Monitoring	180c	20707.07778
73	Monitoring	166c	20606.33763
74	Monitoring	135c	20000.42195
75	Monitoring	28c	19760.41712
76	Monitoring	80c	18350.31541
77	Monitoring	25c	17278.48267
78	Monitoring	67c	16109.28101
79	Monitoring	133c	14315.67257
80	Monitoring	92c	13373.90657
81	Monitoring	78c	12571.91058
82	Monitoring	878c	7850.846196
83	Monitoring	63c	7440.119458
84	Monitoring	151c	7095.456877
85	Monitoring	36c	6710.780519
86	Monitoring	886c	6603.158262
87	Monitoring	30c	6257.485948
88	Monitoring	68c	6055.731415
89	Monitoring	75c	5938.622224
90	Monitoring	56c	5713.290943
91	Monitoring	57c	5627.07148
92	Monitoring	64c	5612.46001
93	Monitoring	49c	5376.551858
94	Monitoring	33c	5188.501177
95	Monitoring	837c	4897.588665
96	Monitoring	144c	4843.24076
97	Monitoring	72c	4524.393366
98	Monitoring	24c	4427.611079
99	Monitoring	71c	3792.13448
100	Monitoring	164c	2943.055187

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	118a	1198932.436
2	Site Visit / Action Recommended	152a	1100457.976
3	Site Visit / Action Recommended	174a	881117.8219
4	Site Visit / Action Recommended	169a	598123.2123
5	Site Visit / Action Recommended	188a	517745.6337
6	Site Visit / Action Recommended	159a	423014.9459
7	Site Visit / Action Recommended	220a	342188.9728
8	Site Visit / Action Recommended	138a	315744.367
9	Site Visit / Action Recommended	224a	207577.2089
10	Site Visit / Action Recommended	77a	204101.4498
11	Site Visit / Action Recommended	125a	198057.5935
12	Site Visit / Action Recommended	165a	170021.5848
13	Site Visit / Action Recommended	136a	162954.4628
14	Site Visit / Action Recommended	160a	159677.9531
15	Site Visit / Action Recommended	198a	125289.4426
16	Site Visit / Action Recommended	7a	102776.4084
17	Site Visit / Action Recommended	195a	99322.19829
18	Site Visit / Action Recommended	2a	85666.32176
19	Site Visit / Action Recommended	216a	82625.99797
20	Site Visit / Action Recommended	221a	75906.37744
21	Site Visit / Action Recommended	201a	75669.41723
22	Site Visit / Action Recommended	172a	67895.62366
23	Site Visit / Action Recommended	101a	64623.61394
24	Site Visit / Action Recommended	209a	60885.84691
25	Site Visit / Action Recommended	142a	55870.12083
26	Site Visit / Action Recommended	204a	55387.14909
27	Site Visit / Action Recommended	158a	54533.61713
28	Site Visit / Action Recommended	211a	51852.81336
29	Site Visit / Action Recommended	141a	45861.13326
30	Site Visit / Action Recommended	178a	43976.38887
31	Site Visit / Action Recommended	200a	41524.97025
32	Site Visit / Action Recommended	213a	41166.67957
33	Site Visit / Action Recommended	192a	37578.25104
34	Site Visit / Action Recommended	6a	34995.69646
35	Site Visit / Action Recommended	208a	34677.02037
36	Site Visit / Action Recommended	16a	33389.7368
37	Site Visit / Action Recommended	176a	32213.52696
38	Site Visit / Action Recommended	190a	30999.0751
39	Site Visit / Action Recommended	163a	30001.07863
40	Site Visit / Action Recommended	144a	27702.47869
41	Site Visit / Action Recommended	140a	26005.13959
42	Site Visit / Action Recommended	139a	24456.32273
43	Site Visit / Action Recommended	164a	24253.80171
44	Site Visit / Action Recommended	177a	23291.03523
45	Site Visit / Action Recommended	127a	20905.491
46	Site Visit / Action Recommended	184a	20890.502
47	Site Visit / Action Recommended	93a	18036.46907
48	Site Visit / Action Recommended	14a	16466.75437
49	Site Visit / Action Recommended	193a	16319.51379
50	Site Visit / Action Recommended	133a	15124.30516
51	Site Visit / Action Recommended	191a	13878.3479
52	Site Visit / Action Recommended	126a	12932.82714
53	Site Visit / Action Recommended	35a	11104.0042
54	Site Visit / Action Recommended	156a	11042.37756
55	Site Visit / Action Recommended	182a	7175.4218
56	Site Visit / Action Recommended	1a	6734.029171
57	Site Visit / Action Recommended	109a	6690.668666
58	Site Visit / Action Recommended	183a	6639.33243
59	Site Visit / Action Recommended	180a	6362.843331

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Site Visit / Action Recommended	81a	5677.791516
61	Site Visit / Action Recommended	217a	5301.112639
62	Site Visit / Action Recommended	17a	4816.28886
63	Site Visit / Action Recommended	206a	4814.898899
64	Site Visit / Action Recommended	12a	4570.140845
65	Site Visit / Action Recommended	187a	4531.278183
66	Site Visit / Action Recommended	24a	4530.127714
67	Site Visit / Action Recommended	22a	4073.339489
68	Further Evaluation	437b	543874.753
69	Further Evaluation	455b	432531.0413
70	Further Evaluation	432b	423746.6034
71	Further Evaluation	50b	423300.6932
72	Further Evaluation	462b	316062.9942
73	Further Evaluation	431b	297027.8528
74	Further Evaluation	444b	294032.9651
75	Further Evaluation	51b	287246.3547
76	Further Evaluation	517b	264615.618
77	Further Evaluation	412b	252902.5181
78	Further Evaluation	48b	249724.6071
79	Further Evaluation	417b	167774.6629
80	Further Evaluation	482b	154358.5473
81	Further Evaluation	506b	152988.0275
82	Further Evaluation	40b	150048.2088
83	Further Evaluation	3b	137179.8819
84	Further Evaluation	492b	136620.1503
85	Further Evaluation	514b	117393.2201
86	Further Evaluation	53b	114869.493
87	Further Evaluation	507b	109657.0082
88	Further Evaluation	515b	107537.0176
89	Further Evaluation	25b	97278.5478
90	Further Evaluation	428b	92953.00854
91	Further Evaluation	38b	82609.58046
92	Further Evaluation	499b	78638.51592
93	Further Evaluation	469b	75980.50847
94	Further Evaluation	458b	74147.08745
95	Further Evaluation	379b	71237.59644
96	Further Evaluation	69b	67185.73484
97	Further Evaluation	445b	61229.62354
98	Further Evaluation	20b	58826.08962
99	Further Evaluation	17b	52640.16789
100	Further Evaluation	12b	49366.96883
101	Further Evaluation	58b	44005.28758
102	Further Evaluation	434b	43469.23766
103	Further Evaluation	493b	40382.16624
104	Further Evaluation	486b	39379.2252
105	Further Evaluation	468b	35080.86075
106	Further Evaluation	14b	34254.79393
107	Further Evaluation	463b	32937.1057
108	Further Evaluation	332b	32461.13427
109	Further Evaluation	54b	28780.51016
110	Further Evaluation	62b	27321.15816
111	Further Evaluation	1b	25882.13168
112	Further Evaluation	449b	25708.15367
113	Further Evaluation	489b	25442.06362
114	Further Evaluation	421b	23403.82588
115	Further Evaluation	502b	23149.93963
116	Further Evaluation	46b	23078.18703
117	Further Evaluation	460b	20755.19971
118	Further Evaluation	57b	19389.10868

Rank	Action	Area Name	Area (m <sup>2</sup> )
119	Further Evaluation	474b	18995.52021
120	Further Evaluation	313b	18845.06395
121	Further Evaluation	511b	18208.62579
122	Further Evaluation	66b	16580.35428
123	Further Evaluation	430b	15788.69458
124	Further Evaluation	26b	15228.40382
125	Further Evaluation	453b	14584.59069
126	Further Evaluation	491b	14477.19603
127	Further Evaluation	500b	14074.78464
128	Further Evaluation	501b	13637.41721
129	Further Evaluation	419b	13565.70584
130	Further Evaluation	483b	12455.94544
131	Further Evaluation	309b	12339.37394
132	Further Evaluation	472b	11780.93704
133	Further Evaluation	467b	11478.88332
134	Further Evaluation	65b	11163.00647
135	Further Evaluation	64b	11138.85579
136	Further Evaluation	465b	9761.156963
137	Further Evaluation	56b	9222.277507
138	Further Evaluation	346b	9005.511511
139	Further Evaluation	513b	8749.926529
140	Further Evaluation	478b	8037.943051
141	Further Evaluation	451b	7988.722587
142	Further Evaluation	63b	7984.440466
143	Further Evaluation	470b	7886.551641
144	Further Evaluation	450b	7793.322865
145	Further Evaluation	508b	7745.444024
146	Further Evaluation	422b	7602.985678
147	Further Evaluation	409b	7530.007042
148	Further Evaluation	447b	7179.704014
149	Further Evaluation	390b	7138.339678
150	Further Evaluation	49b	6154.866845
151	Further Evaluation	436b	6043.027372
152	Further Evaluation	52b	5745.21184
153	Further Evaluation	509b	5191.927312
154	Further Evaluation	24b	5045.590758
155	Further Evaluation	45b	4948.431693
156	Further Evaluation	456b	4090.605254
157	Further Evaluation	479b	4081.612122
158	Further Evaluation	4b	4080.430838
159	Further Evaluation	59b	4049.91028
160	Further Evaluation	487b	3968.288321
161	Further Evaluation	446b	3955.827741
162	Further Evaluation	397b	3806.353286
163	Further Evaluation	454b	3686.199122
164	Further Evaluation	314b	3428.056581
165	Further Evaluation	477b	3283.124557
166	Further Evaluation	457b	2263.302651
167	Further Evaluation	505b	2037.995248
168	Further Evaluation	435b	2035.793004
169	Further Evaluation	498b	1809.999068
170	Further Evaluation	378b	1155.353815
171	Further Evaluation	485b	1143.649696
172	Further Evaluation	418b	1139.412071
173	Further Evaluation	473b	802.2881076
174	Further Evaluation	484b	215.6407609
175	Monitoring	1184c	38751476.93
176	Monitoring	1150c	5612665.263
177	Monitoring	1186c	4127188.642

Rank	Action	Area Name	Area (m <sup>2</sup> )
178	Monitoring	1145c	3316666.251
179	Monitoring	1159c	2956211.616
180	Monitoring	1118c	2865802.782
181	Monitoring	1163c	2303084.785
182	Monitoring	1155c	2152838.802
183	Monitoring	1107c	2148439.725
184	Monitoring	1106c	1044165.902
185	Monitoring	1160c	796663.0263
186	Monitoring	140c	372513.9732
187	Monitoring	162c	270559.9649
188	Monitoring	4c	195880.755
189	Monitoring	47c	179870.2183
190	Monitoring	160c	177795.8841
191	Monitoring	150c	113071.2407
192	Monitoring	880c	109910.4063
193	Monitoring	43c	85674.96478
194	Monitoring	184c	80917.36186
195	Monitoring	884c	69235.46363
196	Monitoring	868c	59026.78952
197	Monitoring	876c	57842.65482
198	Monitoring	154c	55247.03194
199	Monitoring	163c	50789.11142
200	Monitoring	882c	44520.25426
201	Monitoring	12c	41856.30418
202	Monitoring	198c	38119.07607
203	Monitoring	838c	35556.72236
204	Monitoring	881c	30435.9771
205	Monitoring	177c	28871.41647
206	Monitoring	113c	28244.10967
207	Monitoring	152c	26759.29424
208	Monitoring	887c	26208.99514
209	Monitoring	188c	25269.08301
210	Monitoring	121c	25195.20268
211	Monitoring	873c	24222.77223
212	Monitoring	867c	22907.77129
213	Monitoring	195c	22716.39794
214	Monitoring	823c	22402.55914
215	Monitoring	189c	22325.0538
216	Monitoring	187c	21652.13873
217	Monitoring	48c	20440.1423
218	Monitoring	174c	19583.31141
219	Monitoring	826c	18357.13644
220	Monitoring	874c	17762.09016
221	Monitoring	183c	16357.29699
222	Monitoring	893c	16258.9816
223	Monitoring	157c	16074.54709
224	Monitoring	191c	15521.19635
225	Monitoring	7c	15411.65757
226	Monitoring	17c	15329.00874
227	Monitoring	108c	15261.98421
228	Monitoring	136c	14113.58816
229	Monitoring	173c	13125.69437
230	Monitoring	1c	12830.14599
231	Monitoring	6c	12605.43962
232	Monitoring	53c	12176.42179
233	Monitoring	185c	12151.15364
234	Monitoring	892c	11290.47206
235	Monitoring	170c	10860.337
236	Monitoring	194c	10699.14886

Rank	Action	Area Name	Area (m <sup>2</sup> )
237	Monitoring	52c	10591.93163
238	Monitoring	16c	10552.97718
239	Monitoring	11c	10446.8011
240	Monitoring	824c	9857.850447
241	Monitoring	875c	9808.886385
242	Monitoring	870c	8518.429327
243	Monitoring	196c	8487.24899
244	Monitoring	110c	7974.15987
245	Monitoring	131c	7969.571653
246	Monitoring	890c	7966.516674
247	Monitoring	827c	7434.050632
248	Monitoring	877c	7423.386034
249	Monitoring	172c	7356.761194
250	Monitoring	159c	7276.290069
251	Monitoring	84c	7176.142858
252	Monitoring	869c	6384.362428
253	Monitoring	1149c	6082.0872
254	Monitoring	111c	5693.964438
255	Monitoring	102c	5536.762178
256	Monitoring	186c	5512.317972
257	Monitoring	888c	5382.017116
258	Monitoring	862c	5357.827858
259	Monitoring	129c	5269.387199
260	Monitoring	175c	5242.365741
261	Monitoring	2c	5001.951342
262	Monitoring	123c	4674.43939
263	Monitoring	849c	4647.754188
264	Monitoring	132c	4618.536763
265	Monitoring	5c	4533.668815
266	Monitoring	197c	4462.728304
267	Monitoring	889c	4412.751779
268	Monitoring	3c	4263.765629
269	Monitoring	130c	4228.734793
270	Monitoring	171c	4218.380448
271	Monitoring	127c	4196.945578
272	Monitoring	9c	4074.913863
273	Monitoring	124c	3865.51406
274	Monitoring	118c	3788.085625
275	Monitoring	128c	2983.898812
276	Monitoring	145c	2067.480837
277	Monitoring	126c	1949.902076
278	Monitoring	178c	1717.220236
279	Monitoring	137c	1301.38721
280	Monitoring	843c	1245.527598
281	Monitoring	190c	1211.727351
282	Monitoring	107c	550.5010538
283	Monitoring	833c	496.0847962

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	39a	486303.4464
2	Site Visit / Action Recommended	8a	123044.4413
3	Site Visit / Action Recommended	75a	99535.92344
4	Site Visit / Action Recommended	45a	99533.10008
5	Site Visit / Action Recommended	36a	90448.44173
6	Site Visit / Action Recommended	147a	89861.4196
7	Site Visit / Action Recommended	203a	70643.72473
8	Site Visit / Action Recommended	38a	51194.94905
9	Site Visit / Action Recommended	97a	49812.19564
10	Site Visit / Action Recommended	62a	45714.40453
11	Site Visit / Action Recommended	34a	43227.35408
12	Site Visit / Action Recommended	5a	37835.22843
13	Site Visit / Action Recommended	196a	36537.29179
14	Site Visit / Action Recommended	148a	35733.9931
15	Site Visit / Action Recommended	107a	25211.01157
16	Site Visit / Action Recommended	10a	23502.81008
17	Site Visit / Action Recommended	4a	21599.09136
18	Site Visit / Action Recommended	25a	12785.28859
19	Site Visit / Action Recommended	60a	8891.891004
20	Site Visit / Action Recommended	78a	5670.194528
21	Site Visit / Action Recommended	18a	5370.36569
22	Site Visit / Action Recommended	40a	5151.637664
23	Site Visit / Action Recommended	23a	4325.956184
24	Site Visit / Action Recommended	145a	4186.040173
25	Further Evaluation	334b	167859.7342
26	Further Evaluation	396b	96317.71808
27	Further Evaluation	331b	46735.4626
28	Further Evaluation	380b	26795.27489
29	Further Evaluation	316b	17758.13106
30	Further Evaluation	374b	16864.32818
31	Further Evaluation	408b	11165.36715
32	Further Evaluation	55b	10383.45916
33	Further Evaluation	443b	9783.584336
34	Further Evaluation	312b	9004.004577
35	Further Evaluation	490b	8451.759482
36	Further Evaluation	8b	8261.638589
37	Further Evaluation	336b	7297.550547
38	Further Evaluation	341b	5472.136274
39	Further Evaluation	441b	5353.156884
40	Further Evaluation	438b	5315.621973
41	Further Evaluation	337b	5035.445638
42	Further Evaluation	425b	4758.578873
43	Further Evaluation	402b	4605.537418
44	Further Evaluation	439b	4396.468864
45	Further Evaluation	339b	4320.358765
46	Further Evaluation	28b	3975.878226
47	Further Evaluation	21b	3971.43783
48	Further Evaluation	318b	3446.529328
49	Further Evaluation	333b	3432.374379
50	Further Evaluation	406b	2691.333479
51	Further Evaluation	324b	2355.967475
52	Further Evaluation	323b	1655.402022
53	Further Evaluation	361b	1191.74073
54	Further Evaluation	315b	1180.084809
55	Further Evaluation	308b	1125.135716
56	Further Evaluation	363b	827.4391862
57	Further Evaluation	340b	783.6192665
58	Further Evaluation	311b	776.5424271
59	Monitoring	1134c	17145525.28

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	1146c	2929192.549
61	Monitoring	1135c	2490558.065
62	Monitoring	1121c	2376937.708
63	Monitoring	1103c	2010257.854
64	Monitoring	1112c	1315451.335
65	Monitoring	1167c	1098449.898
66	Monitoring	1124c	778267.7391
67	Monitoring	1177c	734652.7032
68	Monitoring	1168c	272479.8424
69	Monitoring	1157c	194783.5569
70	Monitoring	18c	46627.51557
71	Monitoring	138c	39545.58449
72	Monitoring	14c	37781.03385
73	Monitoring	146c	34047.25846
74	Monitoring	105c	25468.15673
75	Monitoring	829c	19250.93863
76	Monitoring	148c	18208.80704
77	Monitoring	45c	17245.43443
78	Monitoring	1126c	15989.8186
79	Monitoring	90c	11095.16863
80	Monitoring	143c	10481.21544
81	Monitoring	100c	10381.96046
82	Monitoring	65c	10184.33553
83	Monitoring	147c	9513.57943
84	Monitoring	85c	8795.686733
85	Monitoring	91c	8026.64804
86	Monitoring	104c	6797.469298
87	Monitoring	46c	6254.427393
88	Monitoring	153c	6236.155399
89	Monitoring	841c	6226.565643
90	Monitoring	88c	5694.099212
91	Monitoring	149c	5397.781495
92	Monitoring	836c	5370.074573
93	Monitoring	70c	5348.57965
94	Monitoring	39c	4976.472516
95	Monitoring	94c	4671.956176
96	Monitoring	69c	4529.844279
97	Monitoring	10c	4451.902667
98	Monitoring	852c	4423.477861
99	Monitoring	106c	4247.859411
100	Monitoring	846c	3763.470157
101	Monitoring	1127c	3404.87177
102	Monitoring	839c	3043.207643

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	150a	387225.1093
2	Site Visit / Action Recommended	50a	288081.6759
3	Site Visit / Action Recommended	227a	212417.3849
4	Site Visit / Action Recommended	122a	79408.6046
5	Site Visit / Action Recommended	73a	76466.42969
6	Site Visit / Action Recommended	46a	68714.45075
7	Site Visit / Action Recommended	116a	64357.47859
8	Site Visit / Action Recommended	199a	61100.64688
9	Site Visit / Action Recommended	31a	39531.68052
10	Site Visit / Action Recommended	173a	27044.15545
11	Site Visit / Action Recommended	42a	26211.93738
12	Site Visit / Action Recommended	48a	25972.67258
13	Site Visit / Action Recommended	230a	25951.38844
14	Site Visit / Action Recommended	218a	11640.06671
15	Site Visit / Action Recommended	228a	10283.29632
16	Site Visit / Action Recommended	58a	10201.6978
17	Site Visit / Action Recommended	41a	9763.741026
18	Site Visit / Action Recommended	76a	5243.634886
19	Site Visit / Action Recommended	64a	5212.986806
20	Site Visit / Action Recommended	27a	5011.416356
21	Site Visit / Action Recommended	110a	4550.338417
22	Site Visit / Action Recommended	157a	4377.330167
23	Site Visit / Action Recommended	215a	3951.653606
24	Site Visit / Action Recommended	214a	3514.104571
25	Further Evaluation	344b	166128.7472
26	Further Evaluation	349b	145561.6371
27	Further Evaluation	524b	77049.65054
28	Further Evaluation	342b	42756.67335
29	Further Evaluation	343b	20535.62705
30	Further Evaluation	528b	20276.09105
31	Further Evaluation	526b	16490.08399
32	Further Evaluation	471b	13815.01749
33	Further Evaluation	338b	11424.70615
34	Further Evaluation	512b	11124.44237
35	Further Evaluation	355b	9482.122436
36	Further Evaluation	357b	9289.479132
37	Further Evaluation	476b	9207.839236
38	Further Evaluation	368b	7630.28971
39	Further Evaluation	353b	6986.771745
40	Further Evaluation	497b	6640.959647
41	Further Evaluation	442b	6025.97369
42	Further Evaluation	15b	4886.00175
43	Further Evaluation	510b	2802.597727
44	Further Evaluation	415b	560.1604601
45	Further Evaluation	411b	234.3706306
46	Monitoring	1133c	6418633.45
47	Monitoring	1151c	2648923.929
48	Monitoring	1180c	2358350.887
49	Monitoring	1185c	1687937.093
50	Monitoring	58c	311789.1358
51	Monitoring	209c	108280.5695
52	Monitoring	1129c	79254.9156
53	Monitoring	19c	65447.78424
54	Monitoring	41c	60105.47855
55	Monitoring	76c	18799.805
56	Monitoring	38c	13134.90581
57	Monitoring	44c	9721.246686
58	Monitoring	834c	8276.855713
59	Monitoring	79c	8259.234234

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	204c	6356.323998
61	Monitoring	59c	6207.788411
62	Monitoring	211c	6134.312505
63	Monitoring	192c	6117.228002
64	Monitoring	158c	5642.647342
65	Monitoring	866c	4787.646756
66	Monitoring	161c	4723.244634
67	Monitoring	193c	4438.637829
68	Monitoring	201c	4250.009903
69	Monitoring	37c	3960.893804
70	Monitoring	1128c	2843.88415

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	827a	281164.9946
2	Site Visit / Action Recommended	750a	170911.7406
3	Site Visit / Action Recommended	806a	145730.4222
4	Site Visit / Action Recommended	802a	137239.0521
5	Site Visit / Action Recommended	801a	111593.5919
6	Site Visit / Action Recommended	714a	93718.30548
7	Site Visit / Action Recommended	814a	72658.21613
8	Site Visit / Action Recommended	764a	69075.62605
9	Site Visit / Action Recommended	710a	68807.66972
10	Site Visit / Action Recommended	779a	67531.05781
11	Site Visit / Action Recommended	718a	55896.64551
12	Site Visit / Action Recommended	825a	54353.57181
13	Site Visit / Action Recommended	805a	46401.06492
14	Site Visit / Action Recommended	787a	45254.35046
15	Site Visit / Action Recommended	745a	44135.07504
16	Site Visit / Action Recommended	835a	40062.96963
17	Site Visit / Action Recommended	742a	37004.78141
18	Site Visit / Action Recommended	834a	34796.44538
19	Site Visit / Action Recommended	703a	30667.40151
20	Site Visit / Action Recommended	843a	26993.71024
21	Site Visit / Action Recommended	782a	26029.17711
22	Site Visit / Action Recommended	810a	24949.78724
23	Site Visit / Action Recommended	708a	23022.87754
24	Site Visit / Action Recommended	795a	21827.76687
25	Site Visit / Action Recommended	711a	21382.9166
26	Site Visit / Action Recommended	701a	14911.15795
27	Site Visit / Action Recommended	752a	14857.0284
28	Site Visit / Action Recommended	771a	12414.78107
29	Site Visit / Action Recommended	829a	11827.72461
30	Site Visit / Action Recommended	786a	10559.05653
31	Site Visit / Action Recommended	741a	7766.434638
32	Site Visit / Action Recommended	705a	6840.913913
33	Site Visit / Action Recommended	706a	5679.83192
34	Site Visit / Action Recommended	785a	4766.239218
35	Site Visit / Action Recommended	773a	4714.639661
36	Site Visit / Action Recommended	828a	4668.704785
37	Site Visit / Action Recommended	783a	4452.405522
38	Site Visit / Action Recommended	770a	4145.903285
39	Further Evaluation	1053b	157167.3564
40	Further Evaluation	1080b	123177.8907
41	Further Evaluation	292b	88779.30898
42	Further Evaluation	255b	61173.02849
43	Further Evaluation	1069b	44774.85352
44	Further Evaluation	283b	44273.92618
45	Further Evaluation	1103b	43973.75984
46	Further Evaluation	269b	34420.81851
47	Further Evaluation	1019b	31630.67636
48	Further Evaluation	263b	31389.60415
49	Further Evaluation	1026b	26358.61471
50	Further Evaluation	1064b	22512.11277
51	Further Evaluation	1075b	22278.25328
52	Further Evaluation	1007b	21505.03116
53	Further Evaluation	296b	20336.51564
54	Further Evaluation	1084b	18858.75932
55	Further Evaluation	1085b	17794.94783
56	Further Evaluation	284b	17247.638
57	Further Evaluation	297b	16539.91039
58	Further Evaluation	1096b	15737.46752
59	Further Evaluation	1032b	15519.97227

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Further Evaluation	1046b	14742.82353
61	Further Evaluation	1062b	14169.50586
62	Further Evaluation	1104b	13767.3988
63	Further Evaluation	242b	13424.33478
64	Further Evaluation	1066b	12217.00363
65	Further Evaluation	258b	11537.40596
66	Further Evaluation	1015b	10759.55319
67	Further Evaluation	262b	10252.99199
68	Further Evaluation	1095b	9454.675662
69	Further Evaluation	1011b	9026.57952
70	Further Evaluation	290b	7715.794615
71	Further Evaluation	1087b	7678.774281
72	Further Evaluation	1034b	7633.476239
73	Further Evaluation	1016b	7492.597337
74	Further Evaluation	1030b	7284.294927
75	Further Evaluation	1044b	6756.441023
76	Further Evaluation	298b	6384.49743
77	Further Evaluation	1058b	5638.063186
78	Further Evaluation	1092b	5535.505108
79	Further Evaluation	1041b	5172.290124
80	Further Evaluation	1038b	4168.974296
81	Further Evaluation	978b	3435.855653
82	Further Evaluation	1021b	2456.702264
83	Further Evaluation	977b	2298.869889
84	Further Evaluation	1060b	2120.068017
85	Further Evaluation	1093b	1933.675902
86	Further Evaluation	1047b	919.2124138
87	Monitoring	1402c	15157400.74
88	Monitoring	1410c	3019790.545
89	Monitoring	1384c	2545434.193
90	Monitoring	1409c	2410906.479
91	Monitoring	1407c	2269453.297
92	Monitoring	1416c	2178338.377
93	Monitoring	1425c	1852133.267
94	Monitoring	1382c	1296671.721
95	Monitoring	1434c	1289511.439
96	Monitoring	1404c	1006757.894
97	Monitoring	1393c	1003108.224
98	Monitoring	1431c	968901.9585
99	Monitoring	1400c	356051.33
100	Monitoring	1380c	328498.1222
101	Monitoring	807c	187241.5591
102	Monitoring	761c	105598.46
103	Monitoring	800c	94400.70993
104	Monitoring	780c	91274.91531
105	Monitoring	1076c	55062.33128
106	Monitoring	1082c	50970.13441
107	Monitoring	1085c	47600.13676
108	Monitoring	808c	43597.08892
109	Monitoring	776c	31582.58826
110	Monitoring	805c	26731.25701
111	Monitoring	1399c	26355.91947
112	Monitoring	804c	26215.70469
113	Monitoring	744c	19469.59242
114	Monitoring	1090c	19306.58333
115	Monitoring	752c	18847.96014
116	Monitoring	684c	18754.82206
117	Monitoring	1421c	17722.96623
118	Monitoring	1088c	16515.01822

Rank	Action	Area Name	Area (m <sup>2</sup> )
119	Monitoring	1057c	14115.36154
120	Monitoring	809c	13380.27884
121	Monitoring	1065c	13287.99436
122	Monitoring	755c	13030.35933
123	Monitoring	783c	12499.07323
124	Monitoring	1067c	11091.56761
125	Monitoring	673c	10390.79042
126	Monitoring	669c	9192.522853
127	Monitoring	668c	9188.194425
128	Monitoring	1092c	8991.974963
129	Monitoring	806c	8590.621876
130	Monitoring	680c	7706.127762
131	Monitoring	1086c	7566.626508
132	Monitoring	666c	7562.28874
133	Monitoring	670c	7310.603243
134	Monitoring	798c	7174.742117
135	Monitoring	1070c	6957.857488
136	Monitoring	1073c	6334.131306
137	Monitoring	698c	6281.957555
138	Monitoring	795c	6083.662236
139	Monitoring	1087c	6082.855324
140	Monitoring	709c	5731.300218
141	Monitoring	748c	5578.365813
142	Monitoring	677c	5563.319077
143	Monitoring	665c	4986.998742
144	Monitoring	810c	4245.410004
145	Monitoring	743c	4215.918847
146	Monitoring	1095c	4208.729933
147	Monitoring	679c	4195.247239
148	Monitoring	672c	4080.049805
149	Monitoring	1066c	3481.684514
150	Monitoring	1423c	3429.3472
151	Monitoring	1401c	2825.868147
152	Monitoring	764c	2236.389521
153	Monitoring	1385c	1921.538916
154	Monitoring	1042c	1596.919732
155	Monitoring	1064c	1504.237448
156	Monitoring	1091c	1215.69549
157	Monitoring	1037c	299.3445567

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	728a	466797.1775
2	Site Visit / Action Recommended	747a	118671.9578
3	Site Visit / Action Recommended	798a	86423.20201
4	Site Visit / Action Recommended	749a	65849.21938
5	Site Visit / Action Recommended	793a	62271.00556
6	Site Visit / Action Recommended	753a	58427.33193
7	Site Visit / Action Recommended	725a	38311.29661
8	Site Visit / Action Recommended	721a	35460.94591
9	Site Visit / Action Recommended	760a	34845.3186
10	Site Visit / Action Recommended	788a	29781.17503
11	Site Visit / Action Recommended	719a	27624.75153
12	Site Visit / Action Recommended	789a	24076.25496
13	Site Visit / Action Recommended	759a	16322.43311
14	Site Visit / Action Recommended	781a	14119.56654
15	Site Visit / Action Recommended	726a	13078.13212
16	Site Visit / Action Recommended	765a	11982.84508
17	Site Visit / Action Recommended	791a	5112.966783
18	Site Visit / Action Recommended	699a	4757.790231
19	Site Visit / Action Recommended	774a	3776.595033
20	Site Visit / Action Recommended	790a	3709.708369
21	Further Evaluation	246b	67423.64355
22	Further Evaluation	250b	56435.37455
23	Further Evaluation	253b	25689.4422
24	Further Evaluation	270b	23926.64726
25	Further Evaluation	988b	19601.07882
26	Further Evaluation	1014b	18337.27328
27	Further Evaluation	1051b	18108.78016
28	Further Evaluation	279b	17269.90573
29	Further Evaluation	994b	17184.26577
30	Further Evaluation	273b	14581.06425
31	Further Evaluation	266b	12273.89974
32	Further Evaluation	1036b	11700.43373
33	Further Evaluation	985b	11011.17423
34	Further Evaluation	1023b	9292.020386
35	Further Evaluation	244b	9035.215709
36	Further Evaluation	1035b	8546.025767
37	Further Evaluation	1031b	7318.849219
38	Further Evaluation	1012b	5315.628549
39	Further Evaluation	254b	4356.035944
40	Further Evaluation	245b	4304.270451
41	Further Evaluation	983b	4144.693588
42	Further Evaluation	1055b	3088.361384
43	Further Evaluation	1049b	2591.012718
44	Further Evaluation	1059b	2013.211041
45	Further Evaluation	987b	1949.992099
46	Further Evaluation	1013b	1208.877446
47	Further Evaluation	1033b	929.3394025
48	Further Evaluation	1010b	10.5875806
49	Further Evaluation	1048b	2.613910743
50	Monitoring	1395c	2413399.61
51	Monitoring	1387c	1802768.331
52	Monitoring	1396c	974887.128
53	Monitoring	1411c	954475.1143
54	Monitoring	691c	163830.592
55	Monitoring	690c	79705.87088
56	Monitoring	689c	72193.19026
57	Monitoring	1059c	54895.74573
58	Monitoring	778c	36891.30407
59	Monitoring	1060c	27139.61711

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	766c	26351.6902
61	Monitoring	692c	25385.22303
62	Monitoring	769c	24502.88093
63	Monitoring	710c	17718.96096
64	Monitoring	760c	17698.93476
65	Monitoring	693c	15469.89312
66	Monitoring	741c	13778.00874
67	Monitoring	714c	13165.57917
68	Monitoring	1074c	9456.755931
69	Monitoring	728c	8980.789829
70	Monitoring	1044c	7785.813678
71	Monitoring	731c	6777.136424
72	Monitoring	1041c	6101.616538
73	Monitoring	730c	5505.427018
74	Monitoring	753c	5488.654667
75	Monitoring	685c	4806.351098
76	Monitoring	663c	4805.535119
77	Monitoring	759c	4286.297035
78	Monitoring	1046c	4192.59594
79	Monitoring	687c	4068.056978
80	Monitoring	1045c	4031.726492
81	Monitoring	1051c	2261.226627
82	Monitoring	1040c	2032.988858

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	445a	229394.0223
2	Site Visit / Action Recommended	544a	182670.9328
3	Site Visit / Action Recommended	522a	177679.1435
4	Site Visit / Action Recommended	402a	90921.726
5	Site Visit / Action Recommended	413a	86281.41427
6	Site Visit / Action Recommended	556a	77855.79876
7	Site Visit / Action Recommended	456a	64648.85177
8	Site Visit / Action Recommended	523a	50727.59617
9	Site Visit / Action Recommended	442a	37799.28051
10	Site Visit / Action Recommended	420a	29133.65343
11	Site Visit / Action Recommended	443a	16301.2401
12	Site Visit / Action Recommended	498a	12339.45764
13	Site Visit / Action Recommended	500a	11242.22692
14	Site Visit / Action Recommended	467a	10804.86022
15	Site Visit / Action Recommended	502a	9080.164909
16	Site Visit / Action Recommended	439a	6218.171087
17	Site Visit / Action Recommended	430a	5864.984505
18	Site Visit / Action Recommended	425a	5803.725352
19	Site Visit / Action Recommended	505a	5209.484773
20	Site Visit / Action Recommended	490a	4567.724527
21	Site Visit / Action Recommended	435a	4537.870966
22	Site Visit / Action Recommended	424a	4391.291416
23	Further Evaluation	730b	62218.72199
24	Further Evaluation	743b	61888.99138
25	Further Evaluation	736b	55852.69107
26	Further Evaluation	157b	47959.10467
27	Further Evaluation	733b	38538.94612
28	Further Evaluation	140b	35775.17627
29	Further Evaluation	699b	30927.38331
30	Further Evaluation	821b	27177.97908
31	Further Evaluation	709b	21251.45865
32	Further Evaluation	776b	20986.08622
33	Further Evaluation	742b	20756.68787
34	Further Evaluation	719b	19955.32392
35	Further Evaluation	803b	16473.84555
36	Further Evaluation	732b	15601.19128
37	Further Evaluation	158b	13843.72487
38	Further Evaluation	161b	8479.773096
39	Further Evaluation	729b	8475.258172
40	Further Evaluation	777b	6647.966982
41	Further Evaluation	820b	6566.617445
42	Further Evaluation	183b	6097.420928
43	Further Evaluation	184b	6079.21375
44	Further Evaluation	724b	5071.976728
45	Further Evaluation	739b	4857.99124
46	Further Evaluation	831b	4598.477461
47	Further Evaluation	801b	2256.837029
48	Further Evaluation	737b	2214.404321
49	Further Evaluation	735b	2193.541533
50	Further Evaluation	787b	2077.04778
51	Further Evaluation	800b	1449.384914
52	Monitoring	1274c	8600859.412
53	Monitoring	1314c	2346457.582
54	Monitoring	1299c	2239902.226
55	Monitoring	1271c	2125699.575
56	Monitoring	508c	30633.33084
57	Monitoring	513c	24319.14245
58	Monitoring	477c	23544.01296
59	Monitoring	452c	14324.1663

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	984c	13312.54707
61	Monitoring	563c	12823.97303
62	Monitoring	571c	11969.93662
63	Monitoring	564c	11308.62418
64	Monitoring	537c	10193.22388
65	Monitoring	457c	7738.058393
66	Monitoring	528c	7175.173143
67	Monitoring	522c	6919.497214
68	Monitoring	512c	6552.556789
69	Monitoring	525c	6167.225012
70	Monitoring	494c	6066.450665
71	Monitoring	1002c	6050.653967
72	Monitoring	530c	5245.389208
73	Monitoring	533c	4978.028772
74	Monitoring	456c	4504.678538
75	Monitoring	503c	4383.669635
76	Monitoring	1000c	4123.16289
77	Monitoring	1003c	3299.111875
78	Monitoring	979c	2815.126249

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	565a	364186.2504
2	Site Visit / Action Recommended	455a	363372.7309
3	Site Visit / Action Recommended	437a	326947.2108
4	Site Visit / Action Recommended	426a	313814.0645
5	Site Visit / Action Recommended	466a	305203.3985
6	Site Visit / Action Recommended	472a	195368.0217
7	Site Visit / Action Recommended	428a	142765.312
8	Site Visit / Action Recommended	487a	118308.0209
9	Site Visit / Action Recommended	412a	95666.76934
10	Site Visit / Action Recommended	414a	74176.94091
11	Site Visit / Action Recommended	474a	67308.50249
12	Site Visit / Action Recommended	550a	58940.0905
13	Site Visit / Action Recommended	518a	57158.75058
14	Site Visit / Action Recommended	516a	51667.22721
15	Site Visit / Action Recommended	548a	33827.1053
16	Site Visit / Action Recommended	503a	32781.91734
17	Site Visit / Action Recommended	507a	29917.35138
18	Site Visit / Action Recommended	553a	28092.7372
19	Site Visit / Action Recommended	492a	27721.02629
20	Site Visit / Action Recommended	469a	26897.18931
21	Site Visit / Action Recommended	506a	26644.37642
22	Site Visit / Action Recommended	497a	26525.70644
23	Site Visit / Action Recommended	406a	24765.04512
24	Site Visit / Action Recommended	562a	19896.89481
25	Site Visit / Action Recommended	552a	17919.91687
26	Site Visit / Action Recommended	561a	15769.55324
27	Site Visit / Action Recommended	459a	14073.14963
28	Site Visit / Action Recommended	551a	8748.357844
29	Site Visit / Action Recommended	495a	7410.589588
30	Site Visit / Action Recommended	461a	6984.514092
31	Site Visit / Action Recommended	512a	6266.259594
32	Site Visit / Action Recommended	499a	4656.361855
33	Site Visit / Action Recommended	407a	4573.510739
34	Site Visit / Action Recommended	508a	4402.788836
35	Site Visit / Action Recommended	415a	4323.442645
36	Site Visit / Action Recommended	408a	4250.392283
37	Site Visit / Action Recommended	519a	3949.673984
38	Site Visit / Action Recommended	447a	3874.870742
39	Site Visit / Action Recommended	400a	3859.62113
40	Further Evaluation	766b	820420.0888
41	Further Evaluation	167b	581405.7505
42	Further Evaluation	717b	236190.1728
43	Further Evaluation	173b	235717.4504
44	Further Evaluation	723b	183701.5581
45	Further Evaluation	764b	153108.4034
46	Further Evaluation	753b	125545.289
47	Further Evaluation	768b	104776.48
48	Further Evaluation	147b	53438.22567
49	Further Evaluation	837b	32800.68318
50	Further Evaluation	755b	28471.46789
51	Further Evaluation	774b	27031.13086
52	Further Evaluation	706b	22542.25263
53	Further Evaluation	180b	22430.05496
54	Further Evaluation	843b	22331.41117
55	Further Evaluation	758b	21974.73272
56	Further Evaluation	181b	21211.15158
57	Further Evaluation	788b	19937.1193
58	Further Evaluation	834b	19775.15357
59	Further Evaluation	744b	14652.06608

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Further Evaluation	790b	14323.50609
61	Further Evaluation	757b	13457.33164
62	Further Evaluation	761b	12449.82185
63	Further Evaluation	713b	12306.20355
64	Further Evaluation	205b	12024.34897
65	Further Evaluation	138b	11863.19478
66	Further Evaluation	171b	10105.4182
67	Further Evaluation	200b	9838.333744
68	Further Evaluation	145b	9097.133198
69	Further Evaluation	781b	8506.568653
70	Further Evaluation	149b	7725.810356
71	Further Evaluation	159b	7258.42947
72	Further Evaluation	792b	7066.224563
73	Further Evaluation	825b	7016.231964
74	Further Evaluation	798b	6882.378695
75	Further Evaluation	827b	6755.364528
76	Further Evaluation	703b	6142.041822
77	Further Evaluation	708b	6134.969862
78	Further Evaluation	789b	5981.028743
79	Further Evaluation	784b	5865.230055
80	Further Evaluation	756b	5588.95212
81	Further Evaluation	840b	5145.491695
82	Further Evaluation	828b	5066.175708
83	Further Evaluation	796b	4610.216867
84	Further Evaluation	836b	3380.930169
85	Further Evaluation	701b	2741.449253
86	Further Evaluation	826b	954.9960219
87	Further Evaluation	824b	505.8143019
88	Further Evaluation	839b	496.4567538
89	Monitoring	1298c	19893759.85
90	Monitoring	1267c	2811308.37
91	Monitoring	1329c	2346730.538
92	Monitoring	1318c	2323492.317
93	Monitoring	1268c	2293918.61
94	Monitoring	1278c	1719455.612
95	Monitoring	1332c	1633005.976
96	Monitoring	1309c	718891.7705
97	Monitoring	1280c	690049.065
98	Monitoring	1263c	661644.4978
99	Monitoring	1269c	647422.9391
100	Monitoring	986c	338505.1221
101	Monitoring	1290c	267829.9407
102	Monitoring	1288c	74380.11865
103	Monitoring	431c	68271.35636
104	Monitoring	462c	67557.2302
105	Monitoring	436c	61408.42148
106	Monitoring	450c	59232.20953
107	Monitoring	505c	48536.05608
108	Monitoring	444c	43576.71413
109	Monitoring	474c	41777.74078
110	Monitoring	453c	41745.80809
111	Monitoring	992c	28906.55084
112	Monitoring	451c	28164.73692
113	Monitoring	497c	27650.1517
114	Monitoring	438c	17694.28319
115	Monitoring	420c	15426.09836
116	Monitoring	423c	14823.08327
117	Monitoring	1017c	12345.3813
118	Monitoring	445c	11792.58989

Rank	Action	Area Name	Area (m <sup>2</sup> )
119	Monitoring	502c	9747.35476
120	Monitoring	443c	9706.931389
121	Monitoring	454c	8760.442288
122	Monitoring	490c	8121.599253
123	Monitoring	442c	7983.316648
124	Monitoring	998c	7940.207045
125	Monitoring	516c	7250.179866
126	Monitoring	558c	6891.323259
127	Monitoring	997c	6108.509792
128	Monitoring	493c	6050.422041
129	Monitoring	556c	5800.687749
130	Monitoring	440c	5683.710306
131	Monitoring	491c	5405.124432
132	Monitoring	441c	5215.432083
133	Monitoring	971c	5033.504704
134	Monitoring	560c	5025.682308
135	Monitoring	437c	4903.969341
136	Monitoring	520c	4623.654985
137	Monitoring	449c	4371.554101
138	Monitoring	435c	4256.154249
139	Monitoring	433c	4155.086619
140	Monitoring	464c	3857.636359
141	Monitoring	996c	3687.875764
142	Monitoring	482c	3614.057173
143	Monitoring	1007c	3351.421596
144	Monitoring	980c	3200.303934
145	Monitoring	446c	2841.606862
146	Monitoring	991c	2561.772567
147	Monitoring	961c	2413.441332
148	Monitoring	472c	1244.363084
149	Monitoring	973c	842.7823765
150	Monitoring	993c	762.8657475
151	Monitoring	969c	725.9613335
152	Monitoring	473c	598.5357457

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	161a	138226.6171
2	Site Visit / Action Recommended	29a	72440.61292
3	Site Visit / Action Recommended	115a	68802.15376
4	Site Visit / Action Recommended	134a	61552.49407
5	Site Visit / Action Recommended	112a	51021.18486
6	Site Visit / Action Recommended	94a	32360.64774
7	Site Visit / Action Recommended	87a	30005.01472
8	Site Visit / Action Recommended	32a	24376.08611
9	Site Visit / Action Recommended	63a	21347.76842
10	Site Visit / Action Recommended	219a	14963.95946
11	Site Visit / Action Recommended	186a	13041.44593
12	Site Visit / Action Recommended	205a	10705.53179
13	Site Visit / Action Recommended	96a	10294.57619
14	Site Visit / Action Recommended	74a	9735.786605
15	Site Visit / Action Recommended	170a	9374.474436
16	Site Visit / Action Recommended	167a	6122.9316
17	Site Visit / Action Recommended	210a	6122.902408
18	Site Visit / Action Recommended	113a	5199.508557
19	Site Visit / Action Recommended	189a	4077.939373
20	Site Visit / Action Recommended	194a	4051.258072
21	Site Visit / Action Recommended	47a	3942.30353
22	Further Evaluation	19b	32890.95424
23	Further Evaluation	44b	31748.13871
24	Further Evaluation	31b	13598.83681
25	Further Evaluation	410b	12387.89348
26	Further Evaluation	401b	11783.94022
27	Further Evaluation	516b	8156.930145
28	Further Evaluation	372b	7864.596062
29	Further Evaluation	495b	6845.845393
30	Further Evaluation	22b	6649.858796
31	Further Evaluation	364b	6507.623633
32	Further Evaluation	34b	6501.571629
33	Further Evaluation	29b	6311.024641
34	Further Evaluation	395b	5415.674406
35	Further Evaluation	480b	4291.090287
36	Further Evaluation	404b	4282.111574
37	Further Evaluation	381b	3497.712721
38	Further Evaluation	424b	2369.951436
39	Further Evaluation	328b	1876.851566
40	Further Evaluation	345b	1687.833404
41	Further Evaluation	452b	1438.17506
42	Further Evaluation	391b	492.0195719
43	Monitoring	1144c	11644686.29
44	Monitoring	1137c	2265288.938
45	Monitoring	1143c	1852281.962
46	Monitoring	1171c	1604408.417
47	Monitoring	1110c	1556072.802
48	Monitoring	1181c	1545955.315
49	Monitoring	1119c	709500.4192
50	Monitoring	1162c	272904.2077
51	Monitoring	176c	120787.7361
52	Monitoring	62c	22771.61443
53	Monitoring	1140c	22732.86348
54	Monitoring	99c	21259.36812
55	Monitoring	98c	19634.06091
56	Monitoring	859c	19119.47725
57	Monitoring	101c	18259.54046
58	Monitoring	1139c	17984.55768
59	Monitoring	32c	17125.5529

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	61c	13748.1128
61	Monitoring	885c	12553.51241
62	Monitoring	857c	11879.21671
63	Monitoring	34c	10101.09227
64	Monitoring	847c	8153.420568
65	Monitoring	73c	5874.842037
66	Monitoring	103c	5848.074616
67	Monitoring	848c	4890.837363
68	Monitoring	181c	3824.813807
69	Monitoring	855c	3525.550554
70	Monitoring	872c	2813.49417
71	Monitoring	840c	2373.026159
72	Monitoring	861c	149.723924

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	593a	124769.3228
2	Site Visit / Action Recommended	596a	54523.63816
3	Site Visit / Action Recommended	684a	52733.84884
4	Site Visit / Action Recommended	600a	29417.85392
5	Site Visit / Action Recommended	686a	22244.27955
6	Site Visit / Action Recommended	664a	21975.37565
7	Site Visit / Action Recommended	575a	15547.76259
8	Site Visit / Action Recommended	687a	9362.603904
9	Site Visit / Action Recommended	681a	9313.353526
10	Site Visit / Action Recommended	569a	9019.89485
11	Site Visit / Action Recommended	582a	8042.250793
12	Site Visit / Action Recommended	576a	4777.303919
13	Site Visit / Action Recommended	585a	4509.909649
14	Site Visit / Action Recommended	685a	4404.476813
15	Site Visit / Action Recommended	665a	4329.60269
16	Further Evaluation	851b	27401.99218
17	Further Evaluation	968b	12767.39515
18	Further Evaluation	237b	10920.4674
19	Further Evaluation	234b	10006.425
20	Further Evaluation	969b	6552.918406
21	Further Evaluation	965b	5568.157095
22	Further Evaluation	852b	5259.479408
23	Further Evaluation	867b	5125.294062
24	Further Evaluation	939b	5080.973778
25	Further Evaluation	208b	4493.534793
26	Further Evaluation	231b	4416.435728
27	Further Evaluation	858b	3245.606281
28	Further Evaluation	967b	3105.096073
29	Further Evaluation	845b	1098.462012
30	Further Evaluation	875b	969.8591802
31	Further Evaluation	966b	804.3131499
32	Further Evaluation	869b	58.43472555
33	Monitoring	1376c	13429039.36
34	Monitoring	1356c	6389870.696
35	Monitoring	1339c	1663814.285
36	Monitoring	1374c	976543.1612
37	Monitoring	1353c	796746.3291
38	Monitoring	1342c	595179.5022
39	Monitoring	1365c	194332.361
40	Monitoring	1368c	139290.2939
41	Monitoring	1349c	65153.1098
42	Monitoring	636c	41950.29758
43	Monitoring	659c	32613.73212
44	Monitoring	640c	22386.52028
45	Monitoring	653c	21848.85457
46	Monitoring	1348c	20610.5911
47	Monitoring	626c	20451.37033
48	Monitoring	658c	19719.16358
49	Monitoring	1373c	15999.7988
50	Monitoring	655c	12697.58109
51	Monitoring	1043c	7916.007238
52	Monitoring	580c	7302.999083
53	Monitoring	604c	6613.936331
54	Monitoring	589c	6162.868818
55	Monitoring	1019c	5558.536451
56	Monitoring	622c	4840.089544
57	Monitoring	579c	4653.296889
58	Monitoring	686c	4008.381267
59	Monitoring	1345c	3903.4186

2

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	1372c	1310.986736
61	Monitoring	1341c	109.6894675

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	758a	669635.5363
2	Site Visit / Action Recommended	739a	297242.3261
3	Site Visit / Action Recommended	694a	118558.7781
4	Site Visit / Action Recommended	756a	70376.48541
5	Site Visit / Action Recommended	757a	69541.11113
6	Site Visit / Action Recommended	744a	65651.74964
7	Site Visit / Action Recommended	792a	60429.12632
8	Site Visit / Action Recommended	755a	34720.36356
9	Site Visit / Action Recommended	709a	27979.7996
10	Site Visit / Action Recommended	780a	25736.58819
11	Site Visit / Action Recommended	754a	24306.29781
12	Site Visit / Action Recommended	778a	20273.94623
13	Site Visit / Action Recommended	700a	19141.689
14	Site Visit / Action Recommended	707a	15583.02906
15	Site Visit / Action Recommended	743a	15240.89773
16	Further Evaluation	261b	148502.1168
17	Further Evaluation	1029b	133202.9424
18	Further Evaluation	1027b	66330.94947
19	Further Evaluation	1004b	46504.21571
20	Further Evaluation	252b	30304.67882
21	Further Evaluation	276b	25513.5948
22	Further Evaluation	282b	23673.54644
23	Further Evaluation	971b	21457.12358
24	Further Evaluation	1067b	21409.47861
25	Further Evaluation	1022b	17164.54591
26	Further Evaluation	251b	15105.38142
27	Further Evaluation	1008b	11945.25475
28	Further Evaluation	1020b	11295.52639
29	Further Evaluation	271b	10972.03468
30	Further Evaluation	260b	9604.554994
31	Further Evaluation	272b	8943.556642
32	Further Evaluation	256b	8121.591715
33	Further Evaluation	1024b	7230.388946
34	Further Evaluation	257b	6887.834193
35	Further Evaluation	264b	6696.223585
36	Further Evaluation	285b	6162.657879
37	Further Evaluation	1006b	6159.484805
38	Further Evaluation	1043b	5151.667127
39	Further Evaluation	267b	4873.103685
40	Further Evaluation	1009b	4780.476569
41	Further Evaluation	1018b	4658.595577
42	Further Evaluation	259b	4248.656483
43	Further Evaluation	278b	4093.574199
44	Further Evaluation	1050b	3764.437411
45	Further Evaluation	1028b	2599.898104
46	Further Evaluation	1001b	2373.026127
47	Further Evaluation	1045b	1411.573907
48	Monitoring	1403c	8204064.749
49	Monitoring	1398c	3857128.419
50	Monitoring	1379c	2843768.43
51	Monitoring	1397c	2419515.766
52	Monitoring	1427c	2067540.456
53	Monitoring	1412c	1280513.591
54	Monitoring	1408c	1200362.388
55	Monitoring	1383c	1043489.81
56	Monitoring	1426c	1026037.057
57	Monitoring	1405c	194813.3393
58	Monitoring	749c	131854.4203
59	Monitoring	726c	76084.56605

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	721c	47571.27131
61	Monitoring	708c	46090.82925
62	Monitoring	667c	39022.71552
63	Monitoring	674c	37846.8205
64	Monitoring	732c	32628.20332
65	Monitoring	747c	27877.25957
66	Monitoring	699c	27786.62488
67	Monitoring	725c	22002.19956
68	Monitoring	773c	20123.89471
69	Monitoring	675c	19988.52295
70	Monitoring	1050c	18001.45309
71	Monitoring	717c	17379.83198
72	Monitoring	770c	15041.63442
73	Monitoring	724c	15015.64967
74	Monitoring	733c	14626.73766
75	Monitoring	716c	13803.64337
76	Monitoring	756c	13320.21359
77	Monitoring	772c	12416.25532
78	Monitoring	782c	11814.70797
79	Monitoring	722c	11694.99877
80	Monitoring	715c	11524.61206
81	Monitoring	1055c	10272.52213
82	Monitoring	657c	9994.031578
83	Monitoring	745c	9471.420867
84	Monitoring	723c	9025.549395
85	Monitoring	740c	8876.489883
86	Monitoring	792c	8460.766358
87	Monitoring	757c	7789.467373
88	Monitoring	1378c	7478.2402
89	Monitoring	671c	7471.567565
90	Monitoring	781c	7281.762669
91	Monitoring	758c	6399.346991
92	Monitoring	746c	5897.328054
93	Monitoring	664c	5716.735051
94	Monitoring	718c	5515.087375
95	Monitoring	707c	4953.221392
96	Monitoring	1038c	4749.768328
97	Monitoring	720c	4636.481445
98	Monitoring	719c	4324.840072
99	Monitoring	1052c	4293.429195
100	Monitoring	768c	4199.752456
101	Monitoring	695c	4083.416182
102	Monitoring	727c	4067.193056
103	Monitoring	1068c	3599.089768
104	Monitoring	1049c	1734.510134
105	Monitoring	1054c	1359.443468
106	Monitoring	1056c	831.3421475
107	Monitoring	1053c	482.2067053

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	111a	818796.3743
2	Site Visit / Action Recommended	168a	240986.2564
3	Site Visit / Action Recommended	90a	190387.171
4	Site Visit / Action Recommended	88a	93246.50665
5	Site Visit / Action Recommended	91a	90801.0181
6	Site Visit / Action Recommended	9a	67135.45093
7	Site Visit / Action Recommended	44a	54601.64894
8	Site Visit / Action Recommended	129a	43980.51082
9	Site Visit / Action Recommended	26a	37422.13993
10	Site Visit / Action Recommended	130a	36580.50322
11	Site Visit / Action Recommended	82a	36142.59508
12	Site Visit / Action Recommended	166a	29795.48282
13	Site Visit / Action Recommended	154a	22285.04433
14	Site Visit / Action Recommended	21a	19443.49192
15	Site Visit / Action Recommended	98a	18987.65052
16	Site Visit / Action Recommended	3a	16935.52886
17	Site Visit / Action Recommended	135a	16637.84168
18	Site Visit / Action Recommended	185a	14835.96943
19	Site Visit / Action Recommended	121a	14570.90427
20	Site Visit / Action Recommended	175a	13537.51903
21	Site Visit / Action Recommended	15a	11740.441
22	Site Visit / Action Recommended	55a	9602.340979
23	Site Visit / Action Recommended	128a	7046.746612
24	Site Visit / Action Recommended	69a	6891.990142
25	Site Visit / Action Recommended	66a	6794.426027
26	Site Visit / Action Recommended	197a	5732.379499
27	Site Visit / Action Recommended	103a	5688.628874
28	Site Visit / Action Recommended	146a	4681.308274
29	Site Visit / Action Recommended	84a	4198.588387
30	Site Visit / Action Recommended	124a	4163.588209
31	Further Evaluation	9b	165349.473
32	Further Evaluation	326b	82158.33755
33	Further Evaluation	322b	74156.51091
34	Further Evaluation	11b	53711.51411
35	Further Evaluation	384b	47663.61354
36	Further Evaluation	407b	41250.80077
37	Further Evaluation	394b	37643.44989
38	Further Evaluation	461b	34290.57273
39	Further Evaluation	13b	22830.13881
40	Further Evaluation	383b	18358.98851
41	Further Evaluation	352b	14359.31041
42	Further Evaluation	494b	12800.05882
43	Further Evaluation	488b	11990.47831
44	Further Evaluation	423b	11954.81089
45	Further Evaluation	354b	11836.15736
46	Further Evaluation	377b	11569.06024
47	Further Evaluation	42b	11430.47095
48	Further Evaluation	388b	9490.007232
49	Further Evaluation	2b	9242.644293
50	Further Evaluation	481b	8376.668304
51	Further Evaluation	41b	6312.14369
52	Further Evaluation	433b	6288.786222
53	Further Evaluation	321b	6174.092501
54	Further Evaluation	420b	5986.805682
55	Further Evaluation	325b	5973.250851
56	Further Evaluation	6b	5101.08479
57	Further Evaluation	387b	4894.427923
58	Further Evaluation	310b	4783.807558
59	Further Evaluation	317b	4730.48571

60 Further Evaluation	413b	4621.593336
61 Further Evaluation	37b	4037.909933
62 Further Evaluation	5b	4024.737176
63 Further Evaluation	399b	3581.529142
64 Further Evaluation	466b	2856.099775
65 Further Evaluation	427b	2834.462867
66 Further Evaluation	448b	1718.649201
67 Further Evaluation	416b	990.8990043
68 Further Evaluation	440b	256.0368317
69 Further Evaluation	459b	58.28262826
70 Monitoring	1148c	19197857.23
71 Monitoring	1117c	2560204.055
72 Monitoring	1156c	1655730.672
73 Monitoring	1105c	1638115.117
74 Monitoring	1102c	1634445.829
75 Monitoring	1172c	1345570.709
76 Monitoring	1153c	1334726.397
77 Monitoring	1123c	1268225.79
78 Monitoring	1178c	1215459.573
79 Monitoring	1161c	1187299.447
80 Monitoring	1111c	1010342.787
81 Monitoring	1142c	607192.7396
82 Monitoring	35c	85373.55408
83 Monitoring	165c	54081.83515
84 Monitoring	182c	39753.31856
85 Monitoring	1132c	35669.85807
86 Monitoring	167c	34113.13297
87 Monitoring	40c	23263.84459
88 Monitoring	13c	21344.40864
89 Monitoring	29c	20380.79681
90 Monitoring	117c	18540.28948
91 Monitoring	93c	15455.15088
92 Monitoring	20c	14110.94124
93 Monitoring	54c	14107.8833
94 Monitoring	856c	13576.73409
95 Monitoring	1125c	12870.87106
96 Monitoring	122c	11134.40979
97 Monitoring	822c	11109.77605
98 Monitoring	119c	9464.596511
99 Monitoring	115c	8772.260925
100 Monitoring	31c	8659.880327
101 Monitoring	832c	8536.983059
102 Monitoring	8c	7820.873447
103 Monitoring	26c	7620.864595
104 Monitoring	21c	6969.047714
105 Monitoring	825c	6872.985274
106 Monitoring	27c	6627.33353
107 Monitoring	865c	5754.621322
108 Monitoring	871c	5375.872969
109 Monitoring	120c	5225.755888
110 Monitoring	22c	5074.137787
111 Monitoring	87c	4993.444683
112 Monitoring	50c	4939.805397
113 Monitoring	81c	4895.518963
114 Monitoring	96c	4800.333412
115 Monitoring	114c	4696.412051
116 Monitoring	112c	4542.25882
117 Monitoring	139c	3664.534435
118 Monitoring	828c	3568.650537

Rank	Action	Area Name	Area (m <sup>2</sup> )
119	Monitoring	1152c	2415.7853
120	Monitoring	835c	55.37878153
121	Monitoring	830c	40.99503179

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	252a	217473.1669
2	Site Visit / Action Recommended	330a	211427.486
3	Site Visit / Action Recommended	282a	156024.7294
4	Site Visit / Action Recommended	370a	146332.9803
5	Site Visit / Action Recommended	360a	145556.1584
6	Site Visit / Action Recommended	304a	104819.9149
7	Site Visit / Action Recommended	258a	40112.7545
8	Site Visit / Action Recommended	309a	38882.08817
9	Site Visit / Action Recommended	366a	33562.75559
10	Site Visit / Action Recommended	270a	23667.79728
11	Site Visit / Action Recommended	378a	19356.38501
12	Site Visit / Action Recommended	303a	16499.55942
13	Site Visit / Action Recommended	363a	15152.52229
14	Site Visit / Action Recommended	268a	11227.46737
15	Site Visit / Action Recommended	333a	10871.82276
16	Site Visit / Action Recommended	326a	9226.932984
17	Site Visit / Action Recommended	322a	9178.806558
18	Site Visit / Action Recommended	289a	7695.592061
19	Site Visit / Action Recommended	273a	7669.458631
20	Site Visit / Action Recommended	364a	5975.794526
21	Site Visit / Action Recommended	286a	5896.878676
22	Site Visit / Action Recommended	325a	5317.388128
23	Site Visit / Action Recommended	290a	5257.882483
24	Site Visit / Action Recommended	279a	4288.999142
25	Further Evaluation	590b	85357.67838
26	Further Evaluation	668b	53947.64678
27	Further Evaluation	659b	36707.03794
28	Further Evaluation	628b	25786.03656
29	Further Evaluation	581b	23291.32879
30	Further Evaluation	630b	22802.32141
31	Further Evaluation	552b	22728.02949
32	Further Evaluation	604b	20677.59239
33	Further Evaluation	588b	12169.74415
34	Further Evaluation	545b	8347.901431
35	Further Evaluation	563b	8293.930617
36	Further Evaluation	614b	8282.772242
37	Further Evaluation	663b	7393.665717
38	Further Evaluation	101b	6888.551066
39	Further Evaluation	544b	6198.746967
40	Further Evaluation	548b	5635.294893
41	Further Evaluation	626b	5489.986476
42	Further Evaluation	660b	4677.99221
43	Further Evaluation	84b	4149.895293
44	Further Evaluation	601b	3857.73225
45	Further Evaluation	83b	3568.04956
46	Further Evaluation	575b	3490.12522
47	Further Evaluation	607b	878.0940969
48	Monitoring	1227c	3259790.068
49	Monitoring	1218c	2772938.886
50	Monitoring	1231c	1728266.478
51	Monitoring	1204c	1698564.211
52	Monitoring	1197c	1325236.763
53	Monitoring	1247c	1269019.134
54	Monitoring	1209c	1215141.11
55	Monitoring	1228c	692175.9411
56	Monitoring	1244c	646445.7772
57	Monitoring	1230c	471749.1384
58	Monitoring	940c	107260.3612
59	Monitoring	262c	68756.06988

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	304c	46645.71594
61	Monitoring	348c	43036.57121
62	Monitoring	301c	35019.61633
63	Monitoring	268c	34447.65051
64	Monitoring	1195c	24974.3573
65	Monitoring	943c	20899.35758
66	Monitoring	914c	18817.85729
67	Monitoring	303c	18429.68015
68	Monitoring	290c	16468.30044
69	Monitoring	350c	13510.80573
70	Monitoring	906c	12500.42287
71	Monitoring	310c	12373.22764
72	Monitoring	347c	11602.80802
73	Monitoring	306c	10857.95384
74	Monitoring	926c	10289.66516
75	Monitoring	295c	7743.399046
76	Monitoring	330c	7210.123769
77	Monitoring	283c	6573.042679
78	Monitoring	346c	5073.542098
79	Monitoring	398c	4919.248274
80	Monitoring	928c	4293.183118
81	Monitoring	388c	4081.980732
82	Monitoring	340c	3801.580774
83	Monitoring	307c	3767.753104
84	Monitoring	905c	3574.236358
85	Monitoring	1225c	2973.4149
86	Monitoring	904c	2418.835284

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	20a	282957.3019
2	Site Visit / Action Recommended	80a	142779.1551
3	Site Visit / Action Recommended	86a	127800.4345
4	Site Visit / Action Recommended	106a	79721.38817
5	Site Visit / Action Recommended	105a	54893.41517
6	Site Visit / Action Recommended	37a	51107.459
7	Site Visit / Action Recommended	123a	50005.90652
8	Site Visit / Action Recommended	33a	47682.07795
9	Site Visit / Action Recommended	19a	45382.40905
10	Site Visit / Action Recommended	72a	44099.93446
11	Site Visit / Action Recommended	155a	34684.00282
12	Site Visit / Action Recommended	119a	30242.92693
13	Site Visit / Action Recommended	83a	30095.48427
14	Site Visit / Action Recommended	28a	26939.88725
15	Site Visit / Action Recommended	207a	19125.58069
16	Site Visit / Action Recommended	85a	13872.14569
17	Site Visit / Action Recommended	13a	12303.14075
18	Site Visit / Action Recommended	79a	12259.98149
19	Site Visit / Action Recommended	131a	10764.25025
20	Site Visit / Action Recommended	242a	9226.69462
21	Site Visit / Action Recommended	162a	8831.058122
22	Site Visit / Action Recommended	30a	7172.859043
23	Site Visit / Action Recommended	11a	5482.382621
24	Site Visit / Action Recommended	212a	5364.586667
25	Site Visit / Action Recommended	92a	4803.237436
26	Site Visit / Action Recommended	114a	3889.87784
27	Further Evaluation	405b	39020.03544
28	Further Evaluation	320b	36317.21188
29	Further Evaluation	504b	35623.11501
30	Further Evaluation	400b	35373.87055
31	Further Evaluation	496b	17347.70866
32	Further Evaluation	370b	11786.50071
33	Further Evaluation	327b	11083.16941
34	Further Evaluation	7b	9414.157698
35	Further Evaluation	16b	7948.334628
36	Further Evaluation	319b	6888.651019
37	Further Evaluation	373b	6446.790775
38	Further Evaluation	33b	5886.565612
39	Further Evaluation	386b	5371.884471
40	Further Evaluation	10b	4753.593225
41	Further Evaluation	376b	4223.317374
42	Further Evaluation	375b	3563.106167
43	Further Evaluation	335b	3182.520249
44	Further Evaluation	329b	3014.599997
45	Further Evaluation	385b	2304.318828
46	Further Evaluation	389b	1657.927987
47	Further Evaluation	330b	1585.267122
48	Monitoring	1147c	12796052.34
49	Monitoring	1138c	2747134.901
50	Monitoring	1158c	1925377.701
51	Monitoring	1114c	1579078.621
52	Monitoring	1116c	1324599.141
53	Monitoring	1136c	967078.8666
54	Monitoring	1108c	889665.1837
55	Monitoring	156c	18943.32122
56	Monitoring	74c	16951.01676
57	Monitoring	203c	14955.31791
58	Monitoring	86c	12635.10438
59	Monitoring	97c	12153.5818

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	858c	11728.41786
61	Monitoring	883c	11440.10508
62	Monitoring	51c	8630.310648
63	Monitoring	82c	6375.00152
64	Monitoring	77c	6253.636031
65	Monitoring	155c	6029.186893
66	Monitoring	831c	5620.496945
67	Monitoring	42c	5389.293817
68	Monitoring	66c	4049.384649
69	Monitoring	844c	3574.527851
70	Monitoring	864c	1991.097508
71	Monitoring	1175c	342.741633
72	Monitoring	1174c	121.9202366

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	375a	1168216.193
2	Site Visit / Action Recommended	305a	528757.6993
3	Site Visit / Action Recommended	308a	431420.8487
4	Site Visit / Action Recommended	377a	388360.7923
5	Site Visit / Action Recommended	285a	359208.9137
6	Site Visit / Action Recommended	315a	161861.9841
7	Site Visit / Action Recommended	232a	146902.7492
8	Site Visit / Action Recommended	233a	91056.191
9	Site Visit / Action Recommended	234a	83525.87307
10	Site Visit / Action Recommended	235a	77095.31431
11	Site Visit / Action Recommended	368a	71806.62668
12	Site Visit / Action Recommended	272a	68622.79254
13	Site Visit / Action Recommended	292a	68531.82544
14	Site Visit / Action Recommended	243a	50744.28687
15	Site Visit / Action Recommended	388a	45796.33959
16	Site Visit / Action Recommended	391a	42443.07578
17	Site Visit / Action Recommended	376a	34640.43574
18	Site Visit / Action Recommended	257a	31898.13147
19	Site Visit / Action Recommended	316a	31365.6478
20	Site Visit / Action Recommended	318a	25081.45952
21	Site Visit / Action Recommended	276a	23208.00751
22	Site Visit / Action Recommended	280a	19086.55571
23	Site Visit / Action Recommended	223a	18817.38979
24	Site Visit / Action Recommended	274a	18759.02894
25	Site Visit / Action Recommended	300a	15272.91573
26	Site Visit / Action Recommended	271a	13891.67061
27	Site Visit / Action Recommended	334a	13627.14998
28	Site Visit / Action Recommended	298a	13487.69559
29	Site Visit / Action Recommended	311a	12618.50442
30	Site Visit / Action Recommended	226a	12325.10424
31	Site Visit / Action Recommended	335a	11119.9144
32	Site Visit / Action Recommended	313a	10267.08366
33	Site Visit / Action Recommended	225a	9170.281752
34	Site Visit / Action Recommended	392a	8743.64658
35	Site Visit / Action Recommended	358a	8691.95647
36	Site Visit / Action Recommended	390a	7569.618564
37	Site Visit / Action Recommended	293a	6364.87311
38	Site Visit / Action Recommended	229a	6068.123869
39	Site Visit / Action Recommended	389a	5433.441149
40	Site Visit / Action Recommended	297a	4602.008323
41	Site Visit / Action Recommended	307a	4390.710561
42	Site Visit / Action Recommended	329a	4346.441643
43	Site Visit / Action Recommended	249a	4323.475061
44	Site Visit / Action Recommended	386a	4289.777176
45	Site Visit / Action Recommended	312a	4060.022322
46	Further Evaluation	122b	209284.8682
47	Further Evaluation	672b	146385.8356
48	Further Evaluation	521b	125458.1661
49	Further Evaluation	116b	124054.0927
50	Further Evaluation	603b	115196.5349
51	Further Evaluation	571b	95547.00169
52	Further Evaluation	675b	77449.56317
53	Further Evaluation	568b	62975.3023
54	Further Evaluation	123b	56364.95273
55	Further Evaluation	586b	54670.97232
56	Further Evaluation	623b	54435.34723
57	Further Evaluation	80b	54164.37135
58	Further Evaluation	532b	45613.04877
59	Further Evaluation	126b	44343.53983

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Further Evaluation	73b	36357.42699
61	Further Evaluation	612b	31572.95933
62	Further Evaluation	686b	26530.83778
63	Further Evaluation	539b	26015.41743
64	Further Evaluation	124b	24749.24632
65	Further Evaluation	616b	24534.0745
66	Further Evaluation	530b	21303.72337
67	Further Evaluation	74b	21125.65348
68	Further Evaluation	622b	20142.45903
69	Further Evaluation	689b	18874.81167
70	Further Evaluation	595b	17455.90734
71	Further Evaluation	609b	16460.31145
72	Further Evaluation	71b	16215.12997
73	Further Evaluation	656b	15895.23093
74	Further Evaluation	606b	15200.48514
75	Further Evaluation	522b	15168.60728
76	Further Evaluation	75b	14947.96851
77	Further Evaluation	560b	13946.414
78	Further Evaluation	687b	13199.17386
79	Further Evaluation	579b	12853.7759
80	Further Evaluation	580b	11860.56678
81	Further Evaluation	577b	11728.28096
82	Further Evaluation	93b	11701.04746
83	Further Evaluation	88b	11665.72442
84	Further Evaluation	527b	11630.61656
85	Further Evaluation	96b	11076.1007
86	Further Evaluation	519b	10890.77672
87	Further Evaluation	569b	9990.923055
88	Further Evaluation	523b	9920.285157
89	Further Evaluation	688b	9580.685263
90	Further Evaluation	585b	9193.914466
91	Further Evaluation	91b	8821.787919
92	Further Evaluation	72b	8723.496374
93	Further Evaluation	70b	8246.143173
94	Further Evaluation	600b	7840.136437
95	Further Evaluation	611b	7397.054966
96	Further Evaluation	104b	7396.126622
97	Further Evaluation	550b	7311.462311
98	Further Evaluation	573b	7290.377327
99	Further Evaluation	651b	7270.414246
100	Further Evaluation	685b	6978.480323
101	Further Evaluation	90b	6962.961089
102	Further Evaluation	692b	6477.18347
103	Further Evaluation	615b	6151.016834
104	Further Evaluation	608b	6066.050041
105	Further Evaluation	89b	5465.020529
106	Further Evaluation	130b	5425.884038
107	Further Evaluation	115b	5202.378867
108	Further Evaluation	597b	5181.427875
109	Further Evaluation	666b	5064.198698
110	Further Evaluation	92b	5032.537341
111	Further Evaluation	121b	4698.097912
112	Further Evaluation	679b	4185.343873
113	Further Evaluation	518b	4062.020817
114	Further Evaluation	635b	4061.86646
115	Further Evaluation	79b	3711.774164
116	Further Evaluation	520b	3087.869224
117	Further Evaluation	618b	2657.57544
118	Further Evaluation	605b	2570.933479

Rank	Action	Area Name	Area (m <sup>2</sup> )
119	Further Evaluation	567b	2513.852268
120	Further Evaluation	613b	2337.124739
121	Further Evaluation	674b	2320.742349
122	Further Evaluation	543b	2244.770562
123	Further Evaluation	531b	1921.159847
124	Further Evaluation	690b	1884.661682
125	Further Evaluation	634b	719.0025195
126	Monitoring	1245c	46598721.24
127	Monitoring	1188c	5304504.764
128	Monitoring	1219c	3901060.989
129	Monitoring	1256c	3829321.513
130	Monitoring	1229c	3181047.923
131	Monitoring	1213c	1558418.447
132	Monitoring	1193c	1336991.574
133	Monitoring	1190c	355295.974
134	Monitoring	1212c	225488.2409
135	Monitoring	356c	139899.3961
136	Monitoring	898c	139105.2884
137	Monitoring	286c	135405.4096
138	Monitoring	1217c	129236.4912
139	Monitoring	897c	114071.7293
140	Monitoring	1215c	106106.801
141	Monitoring	895c	94168.9865
142	Monitoring	199c	80602.16753
143	Monitoring	278c	79182.72361
144	Monitoring	232c	69710.15497
145	Monitoring	291c	59281.35676
146	Monitoring	951c	50255.12838
147	Monitoring	315c	47050.12151
148	Monitoring	225c	37094.60938
149	Monitoring	896c	34966.57464
150	Monitoring	213c	30890.21705
151	Monitoring	202c	30819.03969
152	Monitoring	205c	29059.93247
153	Monitoring	228c	27548.54583
154	Monitoring	293c	27492.19318
155	Monitoring	1232c	26557.90055
156	Monitoring	915c	23812.55479
157	Monitoring	271c	22905.16183
158	Monitoring	364c	22849.19243
159	Monitoring	215c	21996.69025
160	Monitoring	396c	21526.24208
161	Monitoring	373c	20859.5308
162	Monitoring	254c	20811.67856
163	Monitoring	231c	20684.86233
164	Monitoring	392c	18340.11482
165	Monitoring	256c	17009.88529
166	Monitoring	945c	16289.38146
167	Monitoring	950c	15190.27383
168	Monitoring	352c	14198.38204
169	Monitoring	387c	12955.73959
170	Monitoring	894c	12851.05046
171	Monitoring	229c	12807.37362
172	Monitoring	261c	12351.75745
173	Monitoring	282c	10724.94386
174	Monitoring	220c	10684.73009
175	Monitoring	207c	10479.51439
176	Monitoring	259c	10027.71799
177	Monitoring	224c	9762.923838

Rank	Action	Area Name	Area (m <sup>2</sup> )
178	Monitoring	275c	9539.974767
179	Monitoring	351c	9434.418618
180	Monitoring	354c	9378.700118
181	Monitoring	910c	9374.315466
182	Monitoring	272c	8901.798995
183	Monitoring	918c	8354.622932
184	Monitoring	394c	8344.145915
185	Monitoring	233c	8275.574858
186	Monitoring	349c	7640.251491
187	Monitoring	222c	7563.397718
188	Monitoring	260c	7267.166124
189	Monitoring	238c	6782.241332
190	Monitoring	912c	6299.014347
191	Monitoring	911c	6112.189581
192	Monitoring	383c	5870.983224
193	Monitoring	216c	5870.277386
194	Monitoring	917c	5561.27036
195	Monitoring	909c	5532.818478
196	Monitoring	227c	5465.828671
197	Monitoring	277c	5422.200907
198	Monitoring	916c	5407.262243
199	Monitoring	217c	5389.187374
200	Monitoring	296c	5376.909997
201	Monitoring	924c	5353.471005
202	Monitoring	214c	5259.69391
203	Monitoring	218c	5145.381538
204	Monitoring	913c	4978.734779
205	Monitoring	253c	4871.556692
206	Monitoring	298c	4779.341799
207	Monitoring	292c	4560.473042
208	Monitoring	285c	4374.405596
209	Monitoring	939c	4368.974773
210	Monitoring	379c	4368.194143
211	Monitoring	395c	4322.461938
212	Monitoring	313c	4252.348967
213	Monitoring	247c	4232.441968
214	Monitoring	958c	4213.640421
215	Monitoring	210c	4088.691493
216	Monitoring	952c	4013.721086
217	Monitoring	1222c	3606.25555
218	Monitoring	206c	2843.204427
219	Monitoring	941c	2571.453736
220	Monitoring	901c	2318.805597
221	Monitoring	927c	1931.532937
222	Monitoring	944c	1328.999975
223	Monitoring	1214c	1103.704964
224	Monitoring	1220c	767.796049
225	Monitoring	920c	528.6929761
226	Monitoring	1207c	273.1500144
227	Monitoring	1248c	119.4549885
228	Monitoring	1216c	85.43335237
229	Monitoring	1258c	77.30783476

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	281a	252161.5757
2	Site Visit / Action Recommended	372a	136009.4031
3	Site Visit / Action Recommended	382a	72457.12927
4	Site Visit / Action Recommended	319a	60632.22191
5	Site Visit / Action Recommended	265a	49612.68769
6	Site Visit / Action Recommended	261a	38956.81165
7	Site Visit / Action Recommended	381a	37943.01534
8	Site Visit / Action Recommended	327a	24694.34815
9	Site Visit / Action Recommended	393a	20296.63833
10	Site Visit / Action Recommended	269a	16001.46317
11	Site Visit / Action Recommended	332a	15155.97303
12	Site Visit / Action Recommended	341a	15069.19794
13	Site Visit / Action Recommended	395a	14128.14486
14	Site Visit / Action Recommended	398a	12008.82403
15	Site Visit / Action Recommended	394a	10496.44613
16	Site Visit / Action Recommended	296a	9681.05218
17	Site Visit / Action Recommended	277a	8515.243922
18	Site Visit / Action Recommended	266a	8289.186056
19	Site Visit / Action Recommended	337a	6127.784304
20	Site Visit / Action Recommended	314a	6047.170359
21	Site Visit / Action Recommended	336a	4899.461483
22	Site Visit / Action Recommended	275a	4505.126956
23	Further Evaluation	129b	122098.7881
24	Further Evaluation	564b	65377.72332
25	Further Evaluation	85b	62185.05819
26	Further Evaluation	619b	35046.54869
27	Further Evaluation	105b	24168.23793
28	Further Evaluation	82b	23309.63224
29	Further Evaluation	680b	22049.73022
30	Further Evaluation	558b	20776.37473
31	Further Evaluation	632b	19471.40639
32	Further Evaluation	98b	17544.10572
33	Further Evaluation	557b	13384.22328
34	Further Evaluation	559b	12125.70429
35	Further Evaluation	103b	10299.18554
36	Further Evaluation	95b	9466.481488
37	Further Evaluation	662b	8941.452253
38	Further Evaluation	617b	7091.285662
39	Further Evaluation	678b	6449.393125
40	Further Evaluation	118b	6281.494282
41	Further Evaluation	574b	4885.389567
42	Further Evaluation	691b	2877.065275
43	Further Evaluation	696b	2867.589439
44	Further Evaluation	576b	2022.834849
45	Further Evaluation	682b	1874.2324
46	Further Evaluation	578b	1678.056098
47	Further Evaluation	566b	1075.697703
48	Further Evaluation	629b	825.0639858
49	Monitoring	1240c	8651769.595
50	Monitoring	1251c	1965035.813
51	Monitoring	1203c	1939710.099
52	Monitoring	1259c	1182648.716
53	Monitoring	1208c	929817.783
54	Monitoring	385c	90285.80291
55	Monitoring	962c	47321.86055
56	Monitoring	312c	34884.02082
57	Monitoring	378c	31323.26416
58	Monitoring	384c	30848.70132
59	Monitoring	957c	30114.87962

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	386c	25821.01493
61	Monitoring	1236c	18084.4248
62	Monitoring	390c	17107.0542
63	Monitoring	288c	17099.35812
64	Monitoring	302c	15313.68494
65	Monitoring	947c	14857.16116
66	Monitoring	251c	11022.95741
67	Monitoring	380c	11002.33742
68	Monitoring	299c	8872.324129
69	Monitoring	316c	6988.998594
70	Monitoring	309c	5695.779342
71	Monitoring	382c	5376.106325
72	Monitoring	931c	4918.459298
73	Monitoring	258c	4534.013581
74	Monitoring	955c	4306.899395
75	Monitoring	281c	4295.580728
76	Monitoring	907c	3914.158179
77	Monitoring	903c	3743.129068
78	Monitoring	925c	3702.165251
79	Monitoring	929c	947.3883385
80	Monitoring	919c	729.3795712

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	541a	547868.945
2	Site Visit / Action Recommended	533a	143321.8382
3	Site Visit / Action Recommended	486a	95526.60906
4	Site Visit / Action Recommended	463a	87092.62051
5	Site Visit / Action Recommended	410a	77888.52128
6	Site Visit / Action Recommended	465a	64447.14298
7	Site Visit / Action Recommended	540a	52655.63733
8	Site Visit / Action Recommended	471a	47118.30722
9	Site Visit / Action Recommended	480a	36463.70813
10	Site Visit / Action Recommended	539a	26496.64453
11	Site Visit / Action Recommended	524a	18742.31019
12	Site Visit / Action Recommended	478a	12378.971
13	Site Visit / Action Recommended	534a	11889.39432
14	Site Visit / Action Recommended	485a	8918.906058
15	Site Visit / Action Recommended	513a	8832.829453
16	Site Visit / Action Recommended	477a	8580.269842
17	Site Visit / Action Recommended	501a	8175.361337
18	Site Visit / Action Recommended	457a	7548.040255
19	Site Visit / Action Recommended	488a	6053.677217
20	Site Visit / Action Recommended	511a	5509.410425
21	Site Visit / Action Recommended	476a	5324.116207
22	Site Visit / Action Recommended	481a	4695.487874
23	Site Visit / Action Recommended	470a	4633.196632
24	Site Visit / Action Recommended	482a	4402.422615
25	Site Visit / Action Recommended	460a	3892.38574
26	Further Evaluation	817b	258017.9906
27	Further Evaluation	815b	97887.45918
28	Further Evaluation	146b	66891.36518
29	Further Evaluation	810b	66532.03025
30	Further Evaluation	172b	64165.10253
31	Further Evaluation	199b	48256.70411
32	Further Evaluation	702b	44180.50195
33	Further Evaluation	142b	38924.7246
34	Further Evaluation	174b	29441.64226
35	Further Evaluation	170b	25608.73896
36	Further Evaluation	809b	21912.7506
37	Further Evaluation	705b	15951.56289
38	Further Evaluation	186b	13950.00264
39	Further Evaluation	794b	12613.47732
40	Further Evaluation	169b	11820.47182
41	Further Evaluation	813b	9481.674232
42	Further Evaluation	811b	9298.271695
43	Further Evaluation	700b	8638.016096
44	Further Evaluation	190b	5410.131191
45	Further Evaluation	773b	4800.119894
46	Further Evaluation	694b	4024.270846
47	Further Evaluation	759b	3694.055704
48	Further Evaluation	772b	3504.244392
49	Further Evaluation	765b	3068.322698
50	Further Evaluation	762b	2354.848026
51	Further Evaluation	802b	1437.358863
52	Further Evaluation	770b	1194.82348
53	Further Evaluation	786b	701.4679444
54	Monitoring	1313c	6790888.917
55	Monitoring	1261c	3776086.365
56	Monitoring	1264c	2697764.693
57	Monitoring	1281c	1592481.49
58	Monitoring	1262c	1415827.774
59	Monitoring	1265c	1399979.903

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	1283c	1342278.223
61	Monitoring	1300c	776477.6264
62	Monitoring	1284c	665084.4503
63	Monitoring	470c	84514.3015
64	Monitoring	486c	31327.66744
65	Monitoring	524c	29183.9995
66	Monitoring	487c	25507.85731
67	Monitoring	1014c	23356.6052
68	Monitoring	514c	18920.56822
69	Monitoring	489c	18032.72372
70	Monitoring	429c	17632.98347
71	Monitoring	428c	12974.66131
72	Monitoring	488c	11406.78219
73	Monitoring	483c	11307.17087
74	Monitoring	485c	10261.72118
75	Monitoring	499c	9983.395404
76	Monitoring	424c	9941.26711
77	Monitoring	412c	9649.552571
78	Monitoring	1282c	8733.037761
79	Monitoring	481c	8532.960568
80	Monitoring	434c	7901.083543
81	Monitoring	507c	7883.751796
82	Monitoring	538c	7129.628708
83	Monitoring	425c	6552.918456
84	Monitoring	484c	6469.500959
85	Monitoring	518c	6397.518275
86	Monitoring	1013c	6314.221652
87	Monitoring	967c	6273.567434
88	Monitoring	448c	5814.158742
89	Monitoring	414c	4852.236661
90	Monitoring	540c	4427.630756
91	Monitoring	427c	4319.17983
92	Monitoring	989c	2171.745301
93	Monitoring	990c	1490.457823
94	Monitoring	1005c	1178.204845
95	Monitoring	994c	70.64722458

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	545a	724856.972
2	Site Visit / Action Recommended	532a	140694.5085
3	Site Visit / Action Recommended	588a	116061.6661
4	Site Visit / Action Recommended	626a	90275.25171
5	Site Visit / Action Recommended	527a	86252.76534
6	Site Visit / Action Recommended	558a	72232.1717
7	Site Visit / Action Recommended	563a	70883.16795
8	Site Visit / Action Recommended	675a	52596.63619
9	Site Visit / Action Recommended	537a	41658.00578
10	Site Visit / Action Recommended	598a	37442.87753
11	Site Visit / Action Recommended	531a	34018.90927
12	Site Visit / Action Recommended	617a	30551.61415
13	Site Visit / Action Recommended	560a	28543.54477
14	Site Visit / Action Recommended	581a	25703.33549
15	Site Visit / Action Recommended	526a	25074.20726
16	Site Visit / Action Recommended	590a	18924.84111
17	Site Visit / Action Recommended	543a	18738.5018
18	Site Visit / Action Recommended	521a	17320.81845
19	Site Visit / Action Recommended	607a	15502.88372
20	Site Visit / Action Recommended	608a	14637.99217
21	Site Visit / Action Recommended	613a	14515.95502
22	Site Visit / Action Recommended	559a	13653.82384
23	Site Visit / Action Recommended	614a	12971.38786
24	Site Visit / Action Recommended	591a	11263.65902
25	Site Visit / Action Recommended	566a	10538.282
26	Site Visit / Action Recommended	542a	6887.688877
27	Site Visit / Action Recommended	603a	6805.741975
28	Site Visit / Action Recommended	525a	6539.001277
29	Site Visit / Action Recommended	535a	6176.16428
30	Site Visit / Action Recommended	682a	4587.393717
31	Site Visit / Action Recommended	536a	4046.516401
32	Site Visit / Action Recommended	612a	3920.191448
33	Further Evaluation	894b	494161.8368
34	Further Evaluation	219b	311188.6938
35	Further Evaluation	818b	226935.9602
36	Further Evaluation	812b	143864.5161
37	Further Evaluation	822b	84839.91083
38	Further Evaluation	901b	64108.05322
39	Further Evaluation	863b	24010.34174
40	Further Evaluation	814b	23722.96072
41	Further Evaluation	192b	21918.68062
42	Further Evaluation	819b	11712.5702
43	Further Evaluation	209b	10155.82686
44	Further Evaluation	195b	8948.770989
45	Further Evaluation	227b	6807.520343
46	Further Evaluation	878b	6114.966928
47	Further Evaluation	854b	5277.049464
48	Further Evaluation	229b	4926.158469
49	Further Evaluation	881b	4697.554336
50	Further Evaluation	944b	4110.225616
51	Further Evaluation	832b	4088.445548
52	Further Evaluation	890b	4036.348265
53	Further Evaluation	804b	3622.14133
54	Further Evaluation	835b	1514.460892
55	Further Evaluation	862b	1473.511666
56	Further Evaluation	833b	1319.312324
57	Further Evaluation	838b	1147.451523
58	Further Evaluation	891b	1114.288216
59	Further Evaluation	842b	478.3169553

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	1359c	5174063.375
61	Monitoring	1346c	4297831.852
62	Monitoring	1306c	3315979.908
63	Monitoring	1363c	3227166.649
64	Monitoring	1357c	3112235.676
65	Monitoring	1317c	2512249.474
66	Monitoring	1361c	1629279.471
67	Monitoring	1362c	1523341.658
68	Monitoring	1308c	1510924.961
69	Monitoring	1344c	1419292.702
70	Monitoring	1310c	558766.7796
71	Monitoring	629c	260027.7251
72	Monitoring	543c	65842.58128
73	Monitoring	1343c	50259.6997
74	Monitoring	575c	41574.76563
75	Monitoring	559c	36152.91189
76	Monitoring	591c	34801.89176
77	Monitoring	532c	31283.48109
78	Monitoring	600c	31078.32055
79	Monitoring	623c	29161.90022
80	Monitoring	1012c	26531.24189
81	Monitoring	527c	24192.21025
82	Monitoring	1354c	23639.78767
83	Monitoring	1360c	23507.41455
84	Monitoring	612c	22566.11637
85	Monitoring	1302c	21427.049
86	Monitoring	546c	20538.12778
87	Monitoring	583c	17294.17824
88	Monitoring	631c	13031.00949
89	Monitoring	588c	12830.09365
90	Monitoring	586c	12679.62699
91	Monitoring	541c	11894.25748
92	Monitoring	615c	10193.81426
93	Monitoring	625c	10116.68631
94	Monitoring	547c	9929.675309
95	Monitoring	554c	9149.53958
96	Monitoring	616c	8512.488669
97	Monitoring	561c	8105.113868
98	Monitoring	648c	6664.419435
99	Monitoring	601c	6531.849859
100	Monitoring	1315c	5650.663344
101	Monitoring	644c	4781.747598
102	Monitoring	628c	4352.974927
103	Monitoring	630c	4134.123488
104	Monitoring	1011c	1076.585029
105	Monitoring	632c	1073.388733
106	Monitoring	1009c	677.0052936
107	Monitoring	542c	348.7752309
108	Monitoring	1032c	241.2587282
109	Monitoring	1020c	49.90482676

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	409a	620950.3341
2	Site Visit / Action Recommended	484a	444251.8032
3	Site Visit / Action Recommended	419a	122818.1753
4	Site Visit / Action Recommended	440a	120213.8385
5	Site Visit / Action Recommended	434a	117907.4604
6	Site Visit / Action Recommended	446a	97919.15636
7	Site Visit / Action Recommended	438a	76133.87501
8	Site Visit / Action Recommended	441a	52865.4827
9	Site Visit / Action Recommended	479a	46958.67684
10	Site Visit / Action Recommended	399a	39468.23526
11	Site Visit / Action Recommended	491a	24259.36489
12	Site Visit / Action Recommended	468a	22751.88237
13	Site Visit / Action Recommended	444a	12107.06356
14	Site Visit / Action Recommended	483a	11066.97075
15	Site Visit / Action Recommended	494a	7018.913197
16	Site Visit / Action Recommended	417a	5937.550993
17	Site Visit / Action Recommended	401a	5896.283985
18	Site Visit / Action Recommended	475a	5766.458487
19	Site Visit / Action Recommended	493a	5609.625742
20	Site Visit / Action Recommended	509a	4790.485307
21	Site Visit / Action Recommended	427a	4276.681942
22	Site Visit / Action Recommended	416a	3948.333935
23	Further Evaluation	162b	156994.5599
24	Further Evaluation	728b	104252.2141
25	Further Evaluation	153b	95707.864
26	Further Evaluation	721b	52045.67103
27	Further Evaluation	752b	49339.49561
28	Further Evaluation	164b	43052.76226
29	Further Evaluation	785b	36273.75425
30	Further Evaluation	771b	31666.09807
31	Further Evaluation	704b	31624.99964
32	Further Evaluation	778b	23375.38522
33	Further Evaluation	177b	20852.02152
34	Further Evaluation	710b	19841.73955
35	Further Evaluation	135b	14675.18204
36	Further Evaluation	780b	14664.98141
37	Further Evaluation	727b	11588.64321
38	Further Evaluation	133b	11018.75048
39	Further Evaluation	741b	9752.534249
40	Further Evaluation	763b	9589.497371
41	Further Evaluation	793b	9117.195818
42	Further Evaluation	738b	8741.115593
43	Further Evaluation	754b	7600.926772
44	Further Evaluation	179b	7342.744861
45	Further Evaluation	175b	7203.495337
46	Further Evaluation	740b	6947.005687
47	Further Evaluation	156b	6339.6556
48	Further Evaluation	163b	5309.812769
49	Further Evaluation	160b	4900.380086
50	Further Evaluation	779b	4700.261819
51	Further Evaluation	782b	4463.970743
52	Further Evaluation	134b	4203.876213
53	Further Evaluation	152b	4039.989175
54	Further Evaluation	137b	4023.791085
55	Further Evaluation	178b	3907.544866
56	Further Evaluation	731b	3747.213947
57	Further Evaluation	712b	3605.674317
58	Further Evaluation	734b	1634.836429
59	Further Evaluation	769b	152.7525144

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	1275c	22178885.76
61	Monitoring	1292c	14929683.17
62	Monitoring	1277c	3142811.325
63	Monitoring	1295c	2706803.724
64	Monitoring	1260c	1419640.641
65	Monitoring	459c	64072.28571
66	Monitoring	466c	50631.71415
67	Monitoring	404c	48596.29494
68	Monitoring	405c	38414.89283
69	Monitoring	500c	35441.47507
70	Monitoring	982c	33449.22477
71	Monitoring	975c	25902.08888
72	Monitoring	501c	21596.82262
73	Monitoring	426c	20740.88837
74	Monitoring	988c	17683.81714
75	Monitoring	469c	17263.04508
76	Monitoring	1273c	16632.10133
77	Monitoring	401c	13685.7342
78	Monitoring	495c	13639.15041
79	Monitoring	479c	12728.34257
80	Monitoring	468c	12374.88508
81	Monitoring	408c	12158.90338
82	Monitoring	976c	11992.42252
83	Monitoring	402c	11228.87543
84	Monitoring	983c	10710.29126
85	Monitoring	403c	9487.538458
86	Monitoring	476c	9467.501172
87	Monitoring	460c	8613.17151
88	Monitoring	430c	8149.83984
89	Monitoring	517c	8122.235135
90	Monitoring	418c	7550.314681
91	Monitoring	960c	7381.666941
92	Monitoring	480c	6488.818664
93	Monitoring	407c	6451.900212
94	Monitoring	465c	6346.434348
95	Monitoring	506c	6181.143254
96	Monitoring	504c	5461.283531
97	Monitoring	1289c	4691.932619
98	Monitoring	478c	4480.356458
99	Monitoring	521c	4457.022454
100	Monitoring	455c	4174.872577
101	Monitoring	981c	3845.7118
102	Monitoring	999c	3002.378822
103	Monitoring	995c	1646.892317

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	108a	129342.2519
2	Site Visit / Action Recommended	247a	115311.7006
3	Site Visit / Action Recommended	260a	82351.72746
4	Site Visit / Action Recommended	104a	74017.23604
5	Site Visit / Action Recommended	65a	60989.64481
6	Site Visit / Action Recommended	231a	49989.67324
7	Site Visit / Action Recommended	61a	33605.67751
8	Site Visit / Action Recommended	51a	30409.13112
9	Site Visit / Action Recommended	59a	23307.01412
10	Site Visit / Action Recommended	99a	21968.21436
11	Site Visit / Action Recommended	100a	18641.16461
12	Site Visit / Action Recommended	102a	13825.68352
13	Site Visit / Action Recommended	179a	12647.56599
14	Site Visit / Action Recommended	43a	5879.86565
15	Site Visit / Action Recommended	95a	5016.521665
16	Further Evaluation	27b	37008.94342
17	Further Evaluation	529b	27197.07598
18	Further Evaluation	360b	21867.30852
19	Further Evaluation	536b	17560.65052
20	Further Evaluation	32b	14757.52906
21	Further Evaluation	369b	11613.94717
22	Further Evaluation	403b	8984.380917
23	Further Evaluation	366b	8000.501376
24	Further Evaluation	392b	7512.907237
25	Further Evaluation	398b	6991.312902
26	Further Evaluation	475b	6342.676276
27	Further Evaluation	30b	6271.635622
28	Further Evaluation	359b	6175.288843
29	Further Evaluation	362b	5351.439687
30	Further Evaluation	18b	5315.317527
31	Further Evaluation	67b	4688.991923
32	Further Evaluation	393b	4664.142898
33	Further Evaluation	23b	4414.244655
34	Further Evaluation	356b	4182.433726
35	Further Evaluation	555b	3493.902035
36	Further Evaluation	554b	1657.200269
37	Further Evaluation	542b	1256.384153
38	Further Evaluation	553b	1003.415797
39	Monitoring	1154c	5981918.21
40	Monitoring	1198c	2471401.208
41	Monitoring	1120c	1359779.282
42	Monitoring	1179c	1295423.437
43	Monitoring	1141c	1220599.495
44	Monitoring	1130c	1198802.864
45	Monitoring	168c	56237.24354
46	Monitoring	208c	10663.0602
47	Monitoring	60c	7354.787483
48	Monitoring	179c	7023.680752
49	Monitoring	89c	6207.251904
50	Monitoring	95c	5957.661233
51	Monitoring	853c	5459.990239
52	Monitoring	55c	5029.149788
53	Monitoring	845c	3995.130783
54	Monitoring	850c	2130.6037
55	Monitoring	842c	1423.820858
56	Monitoring	851c	1401.598878
57	Monitoring	1115c	1385.884713
58	Monitoring	1176c	154.4256905
59	Monitoring	854c	14.81392851

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	564a	834838.0859
2	Site Visit / Action Recommended	504a	360316.5115
3	Site Visit / Action Recommended	517a	358015.3292
4	Site Visit / Action Recommended	515a	271925.3581
5	Site Visit / Action Recommended	496a	81948.0172
6	Site Visit / Action Recommended	529a	80962.1412
7	Site Visit / Action Recommended	555a	69078.2525
8	Site Visit / Action Recommended	538a	64449.93908
9	Site Visit / Action Recommended	530a	40023.9648
10	Site Visit / Action Recommended	520a	31339.98577
11	Site Visit / Action Recommended	554a	20533.084
12	Site Visit / Action Recommended	510a	16171.37661
13	Site Visit / Action Recommended	528a	15311.45601
14	Site Visit / Action Recommended	549a	12391.46642
15	Site Visit / Action Recommended	514a	11821.23074
16	Site Visit / Action Recommended	568a	7241.178231
17	Site Visit / Action Recommended	567a	6564.073764
18	Site Visit / Action Recommended	557a	5288.364979
19	Further Evaluation	841b	781204.2642
20	Further Evaluation	791b	749524.9409
21	Further Evaluation	799b	688614.574
22	Further Evaluation	203b	329813.1494
23	Further Evaluation	807b	247456.9763
24	Further Evaluation	202b	215732.2625
25	Further Evaluation	204b	199935.2093
26	Further Evaluation	196b	119537.7167
27	Further Evaluation	197b	114183.0614
28	Further Evaluation	206b	68025.98005
29	Further Evaluation	795b	32266.60032
30	Further Evaluation	185b	19069.12734
31	Further Evaluation	194b	13340.44986
32	Further Evaluation	176b	12783.14372
33	Further Evaluation	198b	11003.71573
34	Further Evaluation	189b	9577.191659
35	Further Evaluation	191b	8344.647098
36	Further Evaluation	805b	6480.631871
37	Further Evaluation	193b	5801.455024
38	Further Evaluation	188b	5407.304902
39	Further Evaluation	201b	4995.152095
40	Further Evaluation	182b	4477.701043
41	Further Evaluation	187b	3965.548879
42	Further Evaluation	797b	3947.998669
43	Further Evaluation	844b	3500.553523
44	Further Evaluation	829b	3421.723725
45	Further Evaluation	808b	2498.623003
46	Further Evaluation	783b	1013.539243
47	Further Evaluation	806b	965.1164726
48	Further Evaluation	830b	892.8029746
49	Monitoring	1316c	3818671.015
50	Monitoring	1319c	3017289.272
51	Monitoring	1312c	2675353.889
52	Monitoring	1336c	1988711.951
53	Monitoring	1307c	1625906.229
54	Monitoring	1303c	1568938.813
55	Monitoring	1335c	1275283.96
56	Monitoring	1296c	962757.6949
57	Monitoring	1291c	434252.0249
58	Monitoring	1305c	155483.5479
59	Monitoring	1018c	119004.4323

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	569c	68414.81147
61	Monitoring	567c	33760.27303
62	Monitoring	529c	32620.23505
63	Monitoring	568c	30059.27561
64	Monitoring	519c	28479.75671
65	Monitoring	1311c	26402.3718
66	Monitoring	548c	23950.90395
67	Monitoring	496c	18973.39892
68	Monitoring	566c	17758.86859
69	Monitoring	1287c	16251.17172
70	Monitoring	534c	13084.05299
71	Monitoring	545c	12807.54125
72	Monitoring	587c	11224.20525
73	Monitoring	511c	9726.105186
74	Monitoring	562c	8853.34647
75	Monitoring	549c	8505.193102
76	Monitoring	544c	8466.015242
77	Monitoring	1006c	8212.909983
78	Monitoring	498c	7920.258355
79	Monitoring	553c	6751.787441
80	Monitoring	550c	6703.621405
81	Monitoring	1294c	6655.317962
82	Monitoring	531c	6268.354568
83	Monitoring	1297c	5726.525749
84	Monitoring	536c	5435.258322
85	Monitoring	570c	5186.865018
86	Monitoring	539c	5044.453266
87	Monitoring	565c	4667.408478
88	Monitoring	515c	4641.129827
89	Monitoring	535c	4566.853392
90	Monitoring	1008c	4559.051425
91	Monitoring	552c	4219.269799
92	Monitoring	526c	4024.966354
93	Monitoring	1286c	3970.026082
94	Monitoring	1001c	3805.402753
95	Monitoring	555c	3695.396564
96	Monitoring	573c	3639.07225
97	Monitoring	557c	3544.828581
98	Monitoring	1010c	3478.586637
99	Monitoring	510c	3399.00278
100	Monitoring	1326c	3350.863995
101	Monitoring	1325c	2165.155642
102	Monitoring	1304c	842.3422915
103	Monitoring	1004c	783.5188377
104	Monitoring	1323c	775.1352796
105	Monitoring	1328c	596.6118143
106	Monitoring	1016c	341.5319458
107	Monitoring	1301c	320.33928
108	Monitoring	509c	318.680899
109	Monitoring	1285c	260.8071259
110	Monitoring	523c	94.492112

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	351a	162033.3275
2	Site Visit / Action Recommended	294a	157272.6405
3	Site Visit / Action Recommended	264a	35839.46246
4	Site Visit / Action Recommended	347a	32999.60317
5	Site Visit / Action Recommended	331a	21553.73936
6	Site Visit / Action Recommended	344a	18973.30597
7	Site Visit / Action Recommended	342a	7075.138804
8	Site Visit / Action Recommended	396a	6884.813021
9	Site Visit / Action Recommended	310a	5129.828379
10	Site Visit / Action Recommended	239a	5095.277223
11	Site Visit / Action Recommended	367a	4059.644145
12	Further Evaluation	125b	372458.6476
13	Further Evaluation	649b	40914.0275
14	Further Evaluation	102b	37404.66126
15	Further Evaluation	624b	32512.86397
16	Further Evaluation	645b	27509.29604
17	Further Evaluation	78b	23722.23578
18	Further Evaluation	594b	21623.91043
19	Further Evaluation	570b	13403.95418
20	Further Evaluation	693b	9747.757045
21	Further Evaluation	562b	8893.859636
22	Further Evaluation	683b	8254.111344
23	Further Evaluation	592b	8011.091421
24	Further Evaluation	87b	7813.440065
25	Further Evaluation	128b	7714.423153
26	Further Evaluation	534b	5251.461378
27	Further Evaluation	77b	4916.427781
28	Further Evaluation	643b	4805.350143
29	Further Evaluation	631b	3779.944114
30	Further Evaluation	665b	3266.113879
31	Further Evaluation	610b	1235.499212
32	Monitoring	1250c	10492923.77
33	Monitoring	1189c	2945479.258
34	Monitoring	1191c	2096621.84
35	Monitoring	1257c	307779.849
36	Monitoring	1255c	244814.1102
37	Monitoring	399c	236493.1057
38	Monitoring	953c	186493.9979
39	Monitoring	1183c	179217.2297
40	Monitoring	365c	85364.07804
41	Monitoring	1254c	75388.3204
42	Monitoring	300c	61770.23868
43	Monitoring	308c	36175.27268
44	Monitoring	956c	32583.47541
45	Monitoring	320c	17875.74895
46	Monitoring	377c	16424.21271
47	Monitoring	323c	16176.27126
48	Monitoring	328c	15650.86439
49	Monitoring	322c	15413.10892
50	Monitoring	321c	12836.02248
51	Monitoring	264c	8760.263286
52	Monitoring	327c	8019.937601
53	Monitoring	273c	7440.795855
54	Monitoring	284c	7223.785082
55	Monitoring	252c	7109.681351
56	Monitoring	266c	6519.861185
57	Monitoring	317c	6012.327329
58	Monitoring	366c	5510.601855
59	Monitoring	908c	5270.939426

2

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	329c	4995.132902
61	Monitoring	219c	3779.70966
62	Monitoring	933c	1365.424846

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	799a	604781.1656
2	Site Visit / Action Recommended	833a	243773.065
3	Site Visit / Action Recommended	808a	196942.9358
4	Site Visit / Action Recommended	803a	109341.8084
5	Site Visit / Action Recommended	807a	102257.8785
6	Site Visit / Action Recommended	832a	87632.93645
7	Site Visit / Action Recommended	845a	69060.74348
8	Site Visit / Action Recommended	823a	67302.84571
9	Site Visit / Action Recommended	821a	53760.96356
10	Site Visit / Action Recommended	817a	48237.2207
11	Site Visit / Action Recommended	797a	45034.35225
12	Site Visit / Action Recommended	836a	42901.40253
13	Site Visit / Action Recommended	813a	42169.89503
14	Site Visit / Action Recommended	804a	36634.33039
15	Site Visit / Action Recommended	819a	35405.13187
16	Site Visit / Action Recommended	826a	34714.19919
17	Site Visit / Action Recommended	822a	26034.65475
18	Site Visit / Action Recommended	800a	23870.2468
19	Site Visit / Action Recommended	815a	23604.01754
20	Site Visit / Action Recommended	830a	21975.49842
21	Site Visit / Action Recommended	809a	21596.60321
22	Site Visit / Action Recommended	839a	19952.93192
23	Site Visit / Action Recommended	831a	15515.15351
24	Site Visit / Action Recommended	796a	14011.27757
25	Site Visit / Action Recommended	816a	10555.68339
26	Site Visit / Action Recommended	812a	9845.693969
27	Site Visit / Action Recommended	811a	9703.361329
28	Site Visit / Action Recommended	838a	5248.712648
29	Site Visit / Action Recommended	820a	5220.129635
30	Site Visit / Action Recommended	794a	5038.076916
31	Site Visit / Action Recommended	824a	4891.267376
32	Further Evaluation	1063b	687970.1356
33	Further Evaluation	280b	212004.1589
34	Further Evaluation	1094b	84454.22443
35	Further Evaluation	1082b	82816.17358
36	Further Evaluation	1065b	51703.67948
37	Further Evaluation	286b	32703.77585
38	Further Evaluation	1091b	22994.18344
39	Further Evaluation	1081b	22752.25034
40	Further Evaluation	1098b	22555.50676
41	Further Evaluation	295b	21227.69346
42	Further Evaluation	299b	19170.19242
43	Further Evaluation	275b	18778.66292
44	Further Evaluation	1071b	16071.49302
45	Further Evaluation	1101b	10664.14206
46	Further Evaluation	1070b	10413.62676
47	Further Evaluation	1073b	9858.607329
48	Further Evaluation	277b	9307.640434
49	Further Evaluation	274b	9011.397067
50	Further Evaluation	1072b	8496.766972
51	Further Evaluation	1090b	8155.437957
52	Further Evaluation	1057b	5958.848832
53	Further Evaluation	1078b	5935.99238
54	Further Evaluation	1054b	5418.6004
55	Further Evaluation	1079b	5214.186853
56	Further Evaluation	1083b	5209.945996
57	Further Evaluation	293b	5095.649544
58	Further Evaluation	289b	4746.1422
59	Further Evaluation	1061b	4541.835664

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Further Evaluation	1077b	4420.536724
61	Further Evaluation	1088b	4266.669311
62	Further Evaluation	294b	3951.641599
63	Further Evaluation	1052b	2986.445936
64	Further Evaluation	1106b	2505.754506
65	Further Evaluation	1056b	2307.99234
66	Further Evaluation	1074b	1826.663968
67	Further Evaluation	1099b	1436.459734
68	Further Evaluation	1068b	448.7737263
69	Further Evaluation	1076b	0.866331389
70	Monitoring	1428c	6236095.226
71	Monitoring	1414c	4835952.339
72	Monitoring	1433c	3459013.089
73	Monitoring	1413c	2177902.923
74	Monitoring	1418c	1877862.703
75	Monitoring	1420c	1660158.235
76	Monitoring	1424c	1559865.495
77	Monitoring	1415c	1432778.997
78	Monitoring	785c	111580.9885
79	Monitoring	775c	94407.9281
80	Monitoring	801c	86540.37394
81	Monitoring	802c	51064.79954
82	Monitoring	774c	50402.87465
83	Monitoring	777c	40465.24722
84	Monitoring	790c	32144.28077
85	Monitoring	786c	14162.69326
86	Monitoring	813c	13707.54701
87	Monitoring	797c	10438.95194
88	Monitoring	814c	9590.033515
89	Monitoring	771c	8687.720296
90	Monitoring	767c	7520.982827
91	Monitoring	799c	7074.368159
92	Monitoring	1419c	6855.9516
93	Monitoring	751c	6522.271315
94	Monitoring	1071c	6521.177231
95	Monitoring	803c	6151.382443
96	Monitoring	1078c	6077.264462
97	Monitoring	812c	5524.527731
98	Monitoring	815c	5434.620989
99	Monitoring	765c	5412.12298
100	Monitoring	796c	5145.067235
101	Monitoring	763c	4923.411329
102	Monitoring	754c	4391.142301
103	Monitoring	762c	4374.709283
104	Monitoring	1072c	4101.544929
105	Monitoring	811c	4076.879701
106	Monitoring	784c	3649.595397
107	Monitoring	1069c	3578.576147
108	Monitoring	1093c	2494.756846
109	Monitoring	1089c	2454.052287
110	Monitoring	1080c	2413.956699
111	Monitoring	1077c	263.5174642

Rank	Action	Area Name	Area (m <sup>2</sup> )
1	Site Visit / Action Recommended	380a	262425.375
2	Site Visit / Action Recommended	348a	48187.22392
3	Site Visit / Action Recommended	262a	45722.54983
4	Site Visit / Action Recommended	373a	44052.08273
5	Site Visit / Action Recommended	295a	35806.17997
6	Site Visit / Action Recommended	291a	24568.40158
7	Site Visit / Action Recommended	255a	20647.35078
8	Site Visit / Action Recommended	244a	18768.78505
9	Site Visit / Action Recommended	345a	14125.78375
10	Site Visit / Action Recommended	256a	8763.172111
11	Site Visit / Action Recommended	346a	7849.086339
12	Site Visit / Action Recommended	374a	7308.596461
13	Site Visit / Action Recommended	343a	6462.861598
14	Site Visit / Action Recommended	371a	6130.560542
15	Site Visit / Action Recommended	253a	4795.939635
16	Site Visit / Action Recommended	362a	4742.96355
17	Site Visit / Action Recommended	349a	4586.319282
18	Site Visit / Action Recommended	254a	3752.167022
19	Further Evaluation	669b	40112.66135
20	Further Evaluation	114b	34009.89967
21	Further Evaluation	673b	20981.82466
22	Further Evaluation	681b	20712.95565
23	Further Evaluation	540b	20497.5495
24	Further Evaluation	657b	14323.00779
25	Further Evaluation	81b	13458.20449
26	Further Evaluation	596b	13170.22333
27	Further Evaluation	99b	12025.65279
28	Further Evaluation	676b	11387.33767
29	Further Evaluation	671b	10572.80764
30	Further Evaluation	644b	10133.29076
31	Further Evaluation	670b	9425.978134
32	Further Evaluation	551b	9376.021807
33	Further Evaluation	640b	6901.267549
34	Further Evaluation	86b	6091.545482
35	Further Evaluation	661b	6012.042057
36	Further Evaluation	117b	5472.974369
37	Further Evaluation	97b	5182.829908
38	Further Evaluation	648b	4598.403828
39	Further Evaluation	593b	4528.045711
40	Further Evaluation	642b	4150.594766
41	Further Evaluation	641b	2254.098775
42	Further Evaluation	549b	1719.121325
43	Monitoring	1246c	6931751.645
44	Monitoring	1194c	1384587.009
45	Monitoring	1202c	978862.4514
46	Monitoring	1249c	960900.7393
47	Monitoring	367c	42364.11269
48	Monitoring	248c	20328.53106
49	Monitoring	246c	18276.49992
50	Monitoring	342c	18095.40283
51	Monitoring	265c	16336.28399
52	Monitoring	363c	15844.84524
53	Monitoring	249c	14377.79827
54	Monitoring	250c	12482.71082
55	Monitoring	355c	10970.86982
56	Monitoring	934c	10142.79226
57	Monitoring	255c	9940.262108
58	Monitoring	240c	9643.595023
59	Monitoring	297c	7235.351876

Rank	Action	Area Name	Area (m <sup>2</sup> )
60	Monitoring	357c	7035.645901
61	Monitoring	311c	6860.089185
62	Monitoring	243c	6547.052923
63	Monitoring	319c	6544.650197
64	Monitoring	948c	6455.509688
65	Monitoring	942c	6310.22178
66	Monitoring	946c	6022.081033
67	Monitoring	360c	5693.461741
68	Monitoring	257c	4872.664121
69	Monitoring	244c	4652.996503
70	Monitoring	922c	4292.048767
71	Monitoring	353c	4036.341088
72	Monitoring	368c	3964.21004
73	Monitoring	245c	3712.525322
74	Monitoring	902c	824.5827549

124 Monitoring	1015c	8261.854267
125 Monitoring	599c	7511.969138
126 Monitoring	595c	7092.009826
127 Monitoring	574c	6593.850282
128 Monitoring	596c	6412.91341
129 Monitoring	654c	5859.890632
130 Monitoring	608c	5782.644889
131 Monitoring	617c	5455.835678
132 Monitoring	551c	5334.945832
133 Monitoring	633c	4653.78009
134 Monitoring	577c	4621.85846
135 Monitoring	613c	4593.871876
136 Monitoring	572c	4560.129347
137 Monitoring	637c	4519.304184
138 Monitoring	627c	4448.611727
139 Monitoring	635c	4144.494025
140 Monitoring	593c	3912.637336
141 Monitoring	581c	3875.904167
142 Monitoring	584c	2478.280192
143 Monitoring	585c	1277.849877
144 Monitoring	651c	564.3689852
145 Monitoring	618c	354.671591