Identification of Wetlands Likely to Benefit from Additional Water Inputs

July 2009

King County

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Natural Resources and Parks
Wastewater Treatment Division

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EXECUTIVE SUMMARY

King County conducted a preliminary assessment of water resource conditions to support the preparation of a reclaimed water comprehensive plan. The assessment focused on identifying degraded streams and rivers, wetland areas, and groundwater resources that could potentially benefit from additional water inputs. The planning area includes the county's wastewater service area and areas immediately surrounding the service area.

The wetlands assessment discussed in this report relied on two datasets, in GIS and other formats, to identify wetlands in the reclaimed water planning area: the King County Wetlands Inventory (KCWI) and the U.S. Fish and Wildlife Service's National Wetlands Inventory (NWI). Known bogs and coniferous forested wetlands, basins with total impervious area (TIA) of less than 10 percent, and basins with forested area greater than 50 percent were identified and removed from consideration. These areas were deemed to be either too sensitive to receive additional water inputs or not degraded enough to benefit from additional water. The process left 48 wetlands in the KCWI and 865 wetlands in the NWI that potentially could benefit from additional water inputs (see table below).

Comprehensive follow-up studies to field verify wetland conditions, address data gaps, or identify alternative approaches for providing additional water inputs would need to be done prior to developing any project to provide water that would benefit wetlands in need of more water.

Application of Criteria to Identify Wetlands that Could Benefit from Additional Water Inputs

Criterion	King County Wetlands Inventory	National Wetlands Inventory
Total number of wetlands in dataset	894	4,654
Number of wetlands in reclaimed water planning area	237	1,483
Number of candidate wetlands after removing bogs and forested wetlands from consideration	202	1,458
Number of candidate wetlands after removing basins with a total impervious area less than 10 percent	193	1,405
Number of candidate wetlands after removing basins with forested area greater than 50 percent	**48**	**865**

1.0. INTRODUCTION

King County conducted a preliminary assessment of water resource conditions to support the preparation of a reclaimed water comprehensive plan. The assessment focused on identifying degraded streams and rivers, wetland areas, and groundwater resources that could benefit from additional water inputs. The planning area includes the county's wastewater service area and areas immediately surrounding the service area.

This report documents the wetlands assessment. It describes the methods used to identify wetlands that could potentially benefit from additional water inputs, including assumptions and data limitations, and presents and discusses the results.

Comprehensive follow-up studies to field verify wetland conditions, address data gaps, or identify alternative approaches for providing additional water inputs would need to be done prior to developing any project to provide water that would benefit wetlands in need of more water.

2.0. METHODS

This section describes the methods used in the wetlands assessment. It begins with a review of the scientific literature to determine a basis for what constitutes a benefit and what characteristics render a wetland suitable for additional water inputs. Following this review, the section describes the criteria that were used to identify candidate wetlands and how the criteria were applied to available wetland datasets for the reclaimed water planning area.

"Benefit" is defined as the restoration of degraded ecological function or the maintenance of ecological function associated with a historical or anticipated hydrologic alteration (alteration to depth, duration, or frequency of flooding) by a measurable or inferred reduction in water inputs during some season of the year. Benefit is not meant to include the addition of water to wetlands in which hydrology has not been clearly altered (disturbed) and which are, therefore, assumed to be functioning according to their site potential. No consideration was given to the reclamation or creation of wetlands where none currently exist, nor was the quality of the water in the existing wetlands or the chemical characteristics of the water that might be added to the wetlands considered.

Only readily available data were used in this assessment. Hydrologic characteristics of wetlands were therefore indirectly inferred from more general indicators of watershed and wetland condition found in wetland datasets. A series of criteria based on various hydrologic and typological indicators were applied to derive a set of wetlands that are most likely to exhibit hydrologic impairment, including a deficit of water during some seasons of the year. In developing these criteria, it was assumed that any wetland that may eventually be identified for additional water inputs will receive onsite inspection to verify accuracy of results of this assessment.

2.1 Literature Review to Identify Indicators of Wetland Degradation

Hydrology is the single most important determinant of the establishment and maintenance of most types of wetlands, wetland processes, and their beneficial uses (Mitsch and Gosselink, 1993, p. 68).[1] In general, wetland hydrology can be determined through six characteristics:

- Morphology of the watershed in which the wetland resides
- Land use/land cover
- Type of wetland
- Wetland-to-catchment area ratio
- Outlet configuration of the wetland
- Geology and soils (infiltration capacity)

[1] Hydrology is the inflow and outflow of water through a wetland ecosystem.

The following text describes these and other characteristics related to wetland hydrology. Because this is a high-level preliminary assessment, only some of the characteristics were used to screen for suitability. The others are described in terms of their applicability for future assessments, if any.

2.1.1 Watershed Morphology

The morphological properties of a watershed—such as basin size, shape, topography, and slope—affect the rate of delivery of water from portions of the basin to downslope wetlands and streams and therefore influence the hydrology of wetlands, particularly those along stream channels or in floodplains.[2] Although important for establishing the basic hydrology of a basin, morphological properties are not useful as general indicators of hydrologic alteration or as a means of determining the potential benefits of adding water, except at very large scales where one watershed is compared with another watershed. The watersheds in the reclaimed water planning area tend to share similar basin morphologies. This similarity renders the properties less useful for distinguishing among the basins and virtually inapplicable to individual wetlands.

2.1.2 Land Use/Land Cover

Land use cover is a better indicator of hydrologic alteration than morphology. As land is converted from forest and development increases, hydrologic alteration—including diminished hydrologic inputs—will most likely increase. The rate of hydrologic alteration from increased development (via infiltration and runoff) is exponential (Azous and Horner, 2000; Booth, 1991, 2000; Booth, Hartley, et al., 2002; Booth and Jackson, 1994; Booth and Reinelt, 1993). Alterations include increase in water level fluctuations, rise in seasonally maximum water depths and durations, and longer dry periods because of reduced base flow inputs and diminished groundwater supplies (Shaver, Horner, et al., 2007). These hydrological alterations will likely be more severe in wetlands in suburban and urban catchments, especially catchments where impervious surface equals or exceeds about 15 percent and where mature forest cover is less than about 50 percent (King County, 2004).

2.1.3 Type of Wetland

Two general types of wetlands—flow-through and depressional—appear to have the greatest potential for benefiting from additional water inputs. These types tend to have some seasonal fluctuation in standing water but, because of their morphology, may have relatively stable water regimes with little variation in surface elevation under undisturbed conditions. Depressional

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[2] This assessment relies on the following definitions:

Watershed. A major drainage system. The land area that drains water, sediment, and dissolved materials into a single body of water such as a river, lake, or estuary. Large watersheds may be composed of several smaller nested basins.

Basin. The area of land that drains water, sediment, and dissolved materials to a common outlet such as a major stream or smaller lake or estuary. More than one basin can make up a watershed, and basins may be composed of several smaller nested catchments.

Catchment. Smallest basin division in watershed hierarchy. The land area that drains small tributaries in most instances. Several catchments may make up a basin.

(storage-dominated) wetlands have greater potential for benefit than flow-through wetlands. Of the depressional types, emergent, scrub-shrub, and deciduous forested wetlands would have the most potential.[3] Flow-through systems would require a greater volume of water input than depressional ones to alter an ecological structure or function of the wetland.

Two types of wetlands—bogs and coniferous forested wetlands—are generally not good candidates for additional water inputs:

- These wetlands are sensitive to water level fluctuations and alterations in water chemistry either because of their structures or because of the presence of relatively long-lived species that have adapted to stable water regimes.
- The vegetation that is characteristic of these wetland types tends to be quite sensitive to even small changes in water chemistry (Mitsch and Gosselink, 1993, pp. 287–316).
- These wetland types are rare in the county and are given the highest level of scrutiny and protection through King County Comprehensive Plan policy (KCCP Policy E-450).4
- Although the King County Code does not include regulations specific to adding water to bogs or coniferous forested wetlands, it does provide considerable protection that could prevent disturbance or discharge of contaminated water to a bog or any other stream or wetland (K.C.C. 9.12.025). In addition, K.C.C. 21A.24.325 requires 250-foot buffers for bogs in the Urban Growth Area and 125- to 250-foot buffers (depending on level of impact) for bogs outside the Urban Growth Area.[5]

Any wetland or wetland complex with a bog or coniferous forested component should not be considered for additional water inputs unless a detailed hydrologic and water chemistry analysis can show a net gain in function or the prevention of functional degradation from the additional water.

2.1.4 Wetland-to-Catchment Area Ratio

Wetland-to-catchment area (W/C) ratios were calculated for wetlands identified in this assessment as potentially suitable for additional water inputs. These ratios may prove useful as screening criteria in more fine-grained assessments that may be done in the future.

The W/C ratio is an important attribute for establishing whether a wetland may benefit from additional water. Each wetland lies in a local catchment that contributes water—surface water, groundwater, or both—to the wetland. This input of water essentially controls a wetland's

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[3] Emergent wetlands, commonly called marshes and wet meadows, are dominated by herbaceous (non-woody) plants that "emerge" from the water. Shrub wetlands are dominated by woody vegetation under 20 feet high. Forested wetlands are dominated by trees over 20 feet tall.

[4] Policy E-450 in Chapter 4, Environment, of the 2008 King County Comprehensive Plan states "The unique hydrologic cycles, soil and water chemistries, and vegetation communities of bogs and fens shall be protected through the use of incentives, acquisition, best management practices, and implementation of the King County Surface Water Design Manual to control and/or treat stormwater within the wetland watershed." http://www.kingcounty.gov/property/permits/codes/growth/CompPlan/2008.aspx.

[5] http://www.kingcounty.gov/council/legislation/kc_code.aspx

hydrology throughout the year. The hydrology of wetlands with low W/C ratios (small wetlands in large catchments) tends to be dominated by surface flow; the hydrology of wetlands with higher W/C ratios tends to be influenced more by surrounding groundwater conditions (Reinelt and Taylor, 2000).

Wetlands that are large enough to experience a decline in groundwater inputs as a result of impervious area or reduced forest cover could possibly benefit from adding water through injection into the shallow groundwater layers that feed the wetland. Because they are dominated by surface runoff, the hydrology of small wetlands in large catchments (less than 5 percent W/C ratio) may be characterized by seasonal intermittency or, in more developed catchments, by large fluctuations in water levels where the effects of additional water inputs are likely to be unpredictable or counterproductive.

2.1.5 Outlet Configuration of the Wetland

Outlet configuration—the level of constriction or control at the wetland outlet—tends to be more important to hydrology than most other morphological attributes of wetlands. Although not considered in this preliminary assessment, outlet condition may prove a useful tool in any future work done to identify wetlands for potential input of additional water. A constricted outlet—one that reduces the outflow relative to inflow—will tend to raise water levels (sometimes rapidly) and increase the residence time of water in the wetland. In a wetland system that already receives increased surface inputs, this constriction will add to fluctuations in the wetland. The optimal outlet for additional water via surface flow is likely to be one that is not constricted. Such an outlet allows the easy exit of flow through the system and reduces the potential for further increases in the ponding effect of rising water levels.

2.1.6 Geology and Soils

Geology and soils were not considered in this preliminary assessment because the assessment considers only indicators of hydrologic change. These characteristics along with a few biological criteria, however, would need to be evaluated in any future assessment that looks at the probability of a particular ecologic benefit or effect of input of additional water.

The geologic material under the wetland influences both hydrology and the chemical attributes of the soils above. Wetlands lying over outwash, for example, may lose considerable water through infiltration and therefore be subject to seasonal water level fluctuations. In contrast, wetlands on till material, because of its imperviousness, can maintain a higher and less seasonal water level in the wetland.

2.1.7 Additional Characteristics

Other characteristics—bathymetry, flooding, vegetation, evapotranspiration, physiochemistry—may help to characterize wetland hydrology in future assessments.[6] Although they are important

[6] Bathymetry = the topographic relief, or depth profile, of wetlands; specifically, the steepness/gradient of shoreline as well as total depth.

in determining the suitability of a wetland to receive water as a benefit, these characteristics are not the strongest indicators for hydrologic alteration and typically would need to be quantified in the field as part of more fine-grained assessments.

Collectively, these watershed and wetland characteristics define a wetland's hydroperiod (depth, duration, and frequency of flooding) and consequently determine its typology (habitat class, sub-class, and flooding regime) and its human values and ecological functions. The addition of water has the potential to alter the relationship among these attributes and influence the ecological processes and functions of the receiving wetland. Considerations that would indicate that a wetland might be too sensitive for additional water inputs are as follows:

- Whether the wetland soils are mainly organic mucks or peats. These soils tend to be acidic and support unusual or even unique plant communities adapted to low pH and nutrient-poor conditions. Flooding of these soils will tend to increase the pH toward neutrality and, if the change is too great, cause a concomitant change in plant communities (Mitsch and Gosselink, 1993).
- Whether the wetland is a vernal pool or other intermittent wetland type.[7] The animals and plants that occupy these wetlands are sensitive to the environmental cues of flooding and drying. Often, invasive species are poorly adapted and tend to be excluded. Even a small change in hydrologic patterns can disrupt these systems.
- Whether the wetland is part of an ecologically interdependent wetland complex.[8] The ecological effects of adding water to one portion of the system may cascade through the other components and may result in unpredictable and unintended outcomes.

2.2 Criteria Used to Identify Candidate Wetlands

Based on the review of literature and on the preliminary nature of this assessment, wetland type and land cover criteria were developed to identify a subset of wetlands in the reclaimed water planning area that may potentially benefit from additional water (Figure 1):

- **Wetland type.** Because of their protected and regulated status and their sensitivity to changes in water level and chemistry, bogs and coniferous forested wetlands were removed from the list of candidate wetlands. (Bogs are defined for this assessment as a wetland with a sphagnum moss component.)

Evapotranspiration = the sum total of loss of water primarily from wetland water bodies, wet soil, and wet plants (evaporation) and their respective vegetation (transpiration).
Transpiration = sometimes referred to as evaporation from plants; more accurately, the water released through a plant's stomata (pores) as part of the plant's physiological processes such as photosynthesis.
Physiochemistry = water quality characteristics of physical factors (temperature, current velocity, and other physical factors of interest) and chemical factors (dissolved oxygen, carbon dioxide, metals, pH, and other chemicals/compounds of interest).

[7] Vernal pools are unique and vulnerable kinds of wetlands. They are usually ephemeral (temporary) pools that fill with snow melt and spring runoff, then dry sometime during the summer. Vernal pools also include pools that fill at other times of the year.

[8] Wetland complexes are defined in King County's Critical Areas Ordinance (King County 2004): http://www.kingcounty.gov/council/issues/environment/critical_areas_ordinance.aspx.

- **Land use/land cover.** Because hydrologic alterations (degradation) are typically most severe in wetlands found in suburban and urban basins, wetlands were included on the candidate list if they were in basins with a total impervious area greater than 10 percent and with a forested area under 50 percent.[9]

  The literature recommends that greater than 15 percent total impervious area in a basin be used as an indicator of wetland degradation. However, King County GIS basin data are broken into total impervious area of greater or less than 10 percent. Thus, the number of candidate wetlands will be slightly greater than if 15 percent were used as the criterion. Use of the 10-percent threshold would likely make a difference only if the filter for percent of forest in the basin were also altered from 50 to a greater number.

  Available forest cover data were created by using available land cover data (forest cover classes "conifer forest" and "mixed/deciduous forest"). There is no way to determine hydrologic maturity of the forest from these basic land cover classes.

Wetland Type:

1. Is the wetland a bog?
   - Yes—It is *not* a candidate wetland
   - No or unknown—move on to the next question
2. Is the wetland a coniferous forested wetland?
   - Yes—It is *not* a candidate wetland
   - No or unknown—move on to the next question

Land Use/Land Cover:

3. Is the percentage of impervious surfaces (total Impervious area) in the basin greater than 10 percent *and* is the percentage of forest cover less than 50 percent?
   - No or unknown for at least one of two attributes—It is *not* a candidate wetland
   - Yes to both—Identified as a candidate wetland that may benefit from additional water inputs (assumed to be highly degraded)

Notes:

1. A bog is defined in this assessment as a wetland that has at least some portion of the vegetation community dominated by sphagnum moss.
2. If unknown, status should be determined prior to adding water.
3. Suitability of candidate sites should be verified in the field before consideration for additional water inputs.

Figure 1. How Criteria Were Applied to Screen Wetlands

[9] Enhancing wetlands in agricultural areas could conflict with King County policy that encourages agriculture in specific areas (Agricultural Production Districts) over other uses. Future assessments on the potential of specific wetlands for addition of water could add agricultural areas as an another screening criterion.

2.3 Data Sources and Data Manipulation

This section describes the datasets that formed the basis for the assessment. It summarizes how the datasets were manipulated, how the screening criteria were applied, and how the watershed-to-catchment-area ratios for remaining wetlands were determined.

2.3.1 Wetland Datasets

After considering the large number of wetland datasets available for the reclaimed water planning area, two were selected for this assessment: the King County Wetlands Inventory (KCWI) and the U.S. Fish and Wildlife's National Wetlands Inventory (NWI). (Appendix A lists data sources considered and reasons for using or excluding each source.) The NWI was used to supplement the KCWI because the NWI includes many more wetlands than the KCWI. When the KCWI was done, only the most obvious wetlands were surveyed. It does not include data for much of the planning area, including the parts of Pierce and Snohomish Counties included in the planning area. However, the data in the KCWI have been field checked and are therefore assumed to be more accurate in some instances than the data in the NWI.

King County Wetlands Inventory

The KCWI was first published in 1983. The majority of the data was collected almost 30 years ago (June through September 1981) and typically identified and characterized wetlands only in the unincorporated parts of the county, excluding those on federal lands and beyond the Forest Production Zone boundary. Data were collected for 868 wetlands. A two-page hard copy data sheet was prepared for each wetland that documented information such as acreage, habitat types and features, water quality, hydrologic observations (including outlet condition), and species observed during site visits.

Data for a small portion of the wetlands in the KCWI were updated in 1991 as part of the 1990 update of the Sensitive Areas Ordinance (SAO) (King County, 1991).[10] During the update process, data collected for the 1983 inventory were used to assign a wetland class and rating according to the 1990 SAO. For each updated wetland, a one-page data sheet was added to the original catalog of two-page data sheets. Wetlands are inconsistently added to the KCWI as they are identified through development permits or field reconnaissance. Many of the wetlands that were mapped for the KCWI and, presumably, many that went unmapped have since been filled and the land developed. No dataset has been developed for extinct wetlands. Even if one were constructed, it would be inherently incomplete.

At a later date, most of the wetlands in the KCWI were digitized to create a GIS file ("SAO_wetland") and the data from the hard-copy catalog were put into various dBase tables.[11] (See Appendix B for a list of the data fields in the GIS file and Appendix C for a list of data fields in the dBase tables.) The dBase tables were merged into one master table for this assessment and saved as an Excel file.

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[10] Because of the 1991 update, the King County Wetlands Inventory is commonly referred to as the "SAO" wetlands dataset.

[11] dBase is a data management program.

The 1997 King County Bog Inventory (King County, 2002), a subset of the KCWI, was used to help identify bogs. The bog inventory includes (1) wetlands identified in the 1983 and 1991 KCWI as having at least some portion of their vegetation community dominated by sphagnum moss and (2) bogs identified in *Peat Resources of Washington* (Rigg, 1958). Most of these wetlands were surveyed in the field. Results of the survey and updates to the KWCI data sheets were compiled in a hard-copy catalog. Information for each wetland in the catalog includes wetland class, changes in vegetation from the previous inventory, *Sphagnum* mat condition, and other observed vegetation species.

National Wetlands Inventory

NWI data cover the entire reclaimed water planning area. There are 4,654 wetlands in this inventory for all of King County. The data were developed over the past three decades and are available in digital format. The latest round of updates of the NWI data were based on aerial imagery from 2001; areas not updated with 2001 imagery are based on 1980 aerial imagery. Fewer attributes are associated with the NWI data than the KCWI data, but enough information is available for purposes of this assessment.

The wetland polygons in the NWI are typically drawn in greater detail than in the KCWI.[12] For example, a wetland with open water, forest, and emergent components may comprise three or more polygons of different classifications. The same wetland in the KCWI would be a single polygon with several classifications attached to it in the database. For this assessment, the polygons for each wetland in the NWI were dissolved into a single polygon so that they could be treated analogously to the KCWI data. No additional data files were appended to the dissolved polygon data; therefore, the data table associated with the GIS spatial data is the only master electronic file for NWI data.

Although many of the cities in the reclaimed water planning area have developed GIS wetland data (see Appendix D), NWI data were used for incorporated areas because not all cities have developed such data and because NWI data covers the same geographic region.

2.3.2 Applying Screening Criteria to Remove Unsuitable Wetlands from the Datasets

The following text describes the screening of the datasets for the criteria described above.

Bogs and Coniferous Forested Wetlands

The master Excel file (KCWI data) was used to produce a list of bogs and coniferous forested wetlands for removal from the datasets for this assessment.[13] Wetland class designations on this

[12] Polygons are a GIS feature class used to represent areas. A polygon is defined by the arcs that make up its boundary and a point inside its boundary for identification. Polygons have attributes that describe the geographic feature they represent.

[13] No complete bog inventory exists for the entire planning area. There are no data in the NWI that identify bogs or coniferous forested wetlands. Only NWI wetlands that overlap KCWI bogs and coniferous forested wetlands could be identified and tagged. Bogs and forested wetlands outside the area covered by the KCWI were missed with this

list are outdated and no longer the standard for typology; however, they were sufficiently descriptive for purposes of this assessment. All wetlands identified with at least one of the following classes were selected:

- PML1 = Palustrine Moss Lichen
- PSS3 = Palustrine Scrub-Shrub Broad-leaved Evergreen (often Labrador tea)
- PSS4 = Palustrine Scrub-Shrub Needle-leaved Evergreen
- PFO4 = Palustrine Forested Needle-leaved Evergreen

This process produced a list of 114 wetlands from across the entire KCWI area. Because there are only about 60 wetlands in the King County Bog Inventory, it was assumed that the remaining 54 wetlands were coniferous forested wetlands. To verify this assumption, the KCWI and bog inventory catalogs were compared to the Excel data. Some mistakes were found in the catalogs (and had therefore been transcribed in error into the dBase data tables). Mistakes were apparent because classes did not match descriptions. Notes and corrections were made in the master Excel file, the file was saved in a data management program and imported into GIS, and these GIS data were joined with a working copy of the KCWI GIS data. The process resulted in identification of 56 wetlands as bogs (23 in the reclaimed water planning area) and 52 wetlands as coniferous forested wetlands (12 in the planning area).

Total Impervious Area

Total impervious area (TIA), both in cities and unincorporated areas, was calculated for King County's 2004 Critical Areas Ordinance (King County, 2004) using 2001 satellite land cover data.[14] In addition to basins in King County, calculations were done for basins that extend from King County into the portions of Pierce and Snohomish Counties in the reclaimed water planning area. These calculations were used in this assessment to identify the wetlands that intersect with basins having greater than 10 percent impervious area.

Percent of Forested Area

Percent of forest was calculated earlier for the Shorelines Master Program work using 2002 GIS-based land cover data from the University of Washington. These calculations were used to identify wetlands in the portions of King and Pierce Counties in the reclaimed water planning area that intersect with basins having less than 50 percent forested area. Data available for basins in Snohomish County do not include forested area. For purposes of this assessment, wetlands in the portion of Snohomish County in the planning area were assumed to have less than 50 percent forested area.

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method. King County is developing GIS files (shapefiles) from available literature that will identify known sphagnum-dominated peat bogs (Bell 2002). These files could be used to hand identify bogs in the wetland data files. However, it is inevitable that some bogs would be missed given the limitations in existing data.

[14] See http://www.kingcounty.gov/council/issues/environment/critical_areas_ordinance.aspx for information on the Critical Areas Ordinance.

2.3.3 Calculating Wetland-to-Catchment Area Ratio

The wetland-to-catchment area ratio was calculated for each wetland. Although not used in this assessment as a criterion to screen wetlands, the ratios provide valuable information that can be used in future assessments, if needed, to evaluate potential projects for adding water. A ratio greater than 5 percent would indicate potential for benefit from additional water inputs.

To calculate the ratios, catchment areas from a King County GIS file were attached to KCWI and NWI wetland GIS files.[15] About half of the wetland polygons in the inventories were drawn in such a way that they crossed catchment boundaries. Polygon outlines for these wetlands were reviewed so that each wetland could be attributed to one catchment. Where it was difficult to attribute a wetland to one catchment, placement in either catchment usually made no difference in terms of whether the W/C ratio was greater or less than 5 percent (both catchments resulted in the same ratio). In five cases where it did make a difference, aerial photos indicated that the catchments in question were almost always along shorelines (marine or large lake). With only a single exception, the five wetlands were attributed to the water body they drained into. For example, if a wetland polygon fell over a catchment that drains to Puget Sound and over Puget Sound itself, the W/C ratio was calculated as wetland/Puget Sound (and, therefore, was always less than 5 percent).

[15] The file used to determine catchment areas ("drnbasin.shp") was developed years ago from scanned copies of U.S. Geological Survey maps. The file has been improved since completion of this wetlands assessment. The improved file should be incorporated into future assessments.

3.0. FINDINGS AND RECOMMENDATIONS

This section presents the findings and recommendations from the wetlands assessment. The assessment fulfilled its purpose in generally determining, using available data, which wetlands in the reclaimed water planning area are most hydrologically disturbed and therefore likely to benefit from the input of additional water. Because of the preliminary nature of the assessment and the gaps in available data, the recommendations in this section may prove useful in gathering more specific information on wetlands in the reclaimed water planning area.

3.1 Findings

This assessment determined that out of the 894 wetlands in the King County Wetlands Inventory (KCWI), a total of 237 wetlands were in the reclaimed water planning area, and that out of the 4,654 wetlands in the National Wetlands Inventory (NWI), a total of 1,483 were in the planning area. After known bogs and coniferous forested wetlands, basins with total impervious area (TIA) of less than 10 percent, and basins with forested area greater than 50 percent were removed from these totals, 48 wetlands in the KCWI and 865 wetlands in the NWI remained that potentially could benefit from additional water inputs (Table 1).

Table 1. Application of Criteria to Identify Wetlands that Could Benefit from Additional Water Inputs

Criterion	King County Wetlands Inventory	National Wetlands Inventory
Total number of wetlands in dataset	894	4,654[a]
Number of wetlands in reclaimed water planning area	237	1,483[b]
Number of candidate wetlands after removing bogs and forested wetlands from consideration	202	1,458[c]
Number of candidate wetlands after removing basins with a total impervious area less than 10 percent	193	1,405
Number of candidate wetlands after removing basins with forested area greater than 50 percent	**48**	**865**

[a] There were approximately 8,900 polygons prior to dissolving multiple polygons into one polygon for each wetland.
[b] There were 2,558 polygons prior to dissolving multiple polygons into one polygon for each wetland.
[c] The number of bogs and forested wetlands that were removed from the count is most likely lower than the actual number in the reclaimed water planning area because the only bogs and coniferous forested wetlands identified in the NWI overlap with known bogs and forested wetlands in the King County inventory. From the King County inventory, 23 bogs and 12 forested wetlands were identified in the planning area. From the NWI, 16 bogs and 9 forested wetlands were identified.

All 237 KCWI wetlands in the reclaimed water planning area are listed in Appendix E; all 1,483 NWI wetlands in the planning area are listed in Appendix F. These wetlands are shown in Figure 2. The spatial data (GIS) files associated with these datasets are available on request.

The 48 remaining wetlands in the KCWI dataset represent 20 percent of the 237 wetlands in the planning area; the 865 remaining wetlands in the NWI dataset represent 58 percent of the

1,483 wetlands in the planning area. The large differences both in the numbers and the percentages are likely attributed to deficits in the KCWI in terms of the area inventoried and the method used for identifying wetlands. The following describes how these deficits were addressed and how they affected outcomes:

- The areas not covered by the KCWI dataset are incorporated areas and more likely to be developed, which tends to be analogous to greater impervious area and lower amounts of forest cover. Additionally, urbanization is expanding in a generally eastward direction. The results show that the wetlands likely to benefit from additional water inputs are in the western two-thirds of the planning area (Figure 2).
- It was assumed that the 236 wetlands in Snohomish County in the NWI met the criterion of less than 50 percent forest cover. Although percent forest cover was not known for Snohomish County, development patterns in the portion of the planning area in Snohomish County are similar to those in the King County portion.
- It was assumed that the KCWI included only the more obvious wetlands and that "obvious" can often be equated with size. The bigger the wetland, the more obvious and likely to be in the KCWI. The average wetland size in the KCWI is 21.9 acres compared to 6.9 acres in the NWI. If one applies the criterion that wetland-to-catchment-area ratio be greater than 5 percent, the remaining percentage of wetlands with potential to benefit from additional water is very similar: 3 percent (7) of the 237 KCWI wetlands and 2 percent (31) of 1,483 NWI wetlands.

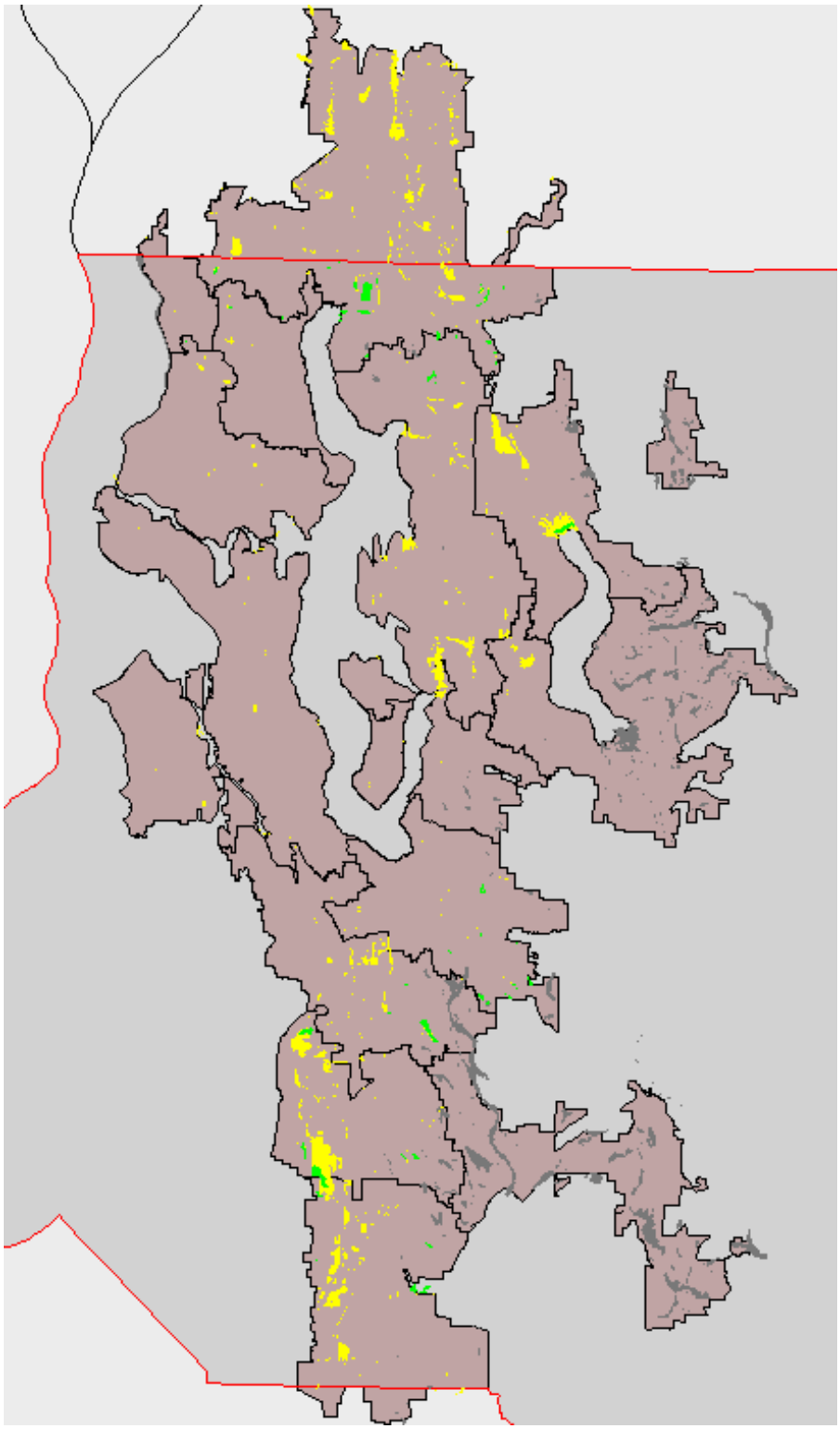

Figure 2. Wetlands in reclaimed water planning area that may benefit from additional water.

(Green = King County Wetlands Inventory [48]
Yellow = National Wetlands Inventory [865]
Gray = wetlands removed after applying criteria [807])

3.2 Recommendations

Data generated as a part of this assessment, such as wetland-to-catchment area ratio, and attribute data associated with each wetland in the KCWI, such as outlet condition and species of concern, could be used to refine the list of wetlands identified in the assessment. These data are available and attached to the KCWI master Excel and GIS files. Other land uses, such as agricultural uses, may also be used to inform the list.

However, KCWI data are 18 to 27 years old. Many areas have been developed, and wetlands have been filled, drained, or converted into other land uses since the data were collected. The majority of the data has not been ground-truthed or was ground-truthed decades ago. Wetlands would need to be inspected onsite to verify that all computer-generated data are accurate. The wetlands inventory in specific subbasins could be updated in a stepped approach, where the first step is a computer exercise using aerial imagery and a later step is field work.

Such field inspections could aid in identifying rare or sensitive plant or animal species that could be adversely impacted by input of additional water, in assessing water quality in existing wetlands, and in gathering more bog inventory data. No complete bog inventory exists for the reclaimed water planning area. The bog shapefiles that King County is developing could be made more comprehensive by conducting field investigations. A thorough dataset would save time in determining which wetlands are too sensitive for additional water inputs.

Field work could be conducted to collect pertinent data not included in the NWI, such as wetland condition, for wetlands in city jurisdictions and other areas not covered by the KCWI. Moreover, a quick comparison of city-generated data and NWI data reveals differences that would likely be worthwhile to examine in more detail. Further, the GIS procedure for determining forest area for the basins in King and Pierce Counties could be used for the Snohomish County portion of the reclaimed water planning area.

Depending on the nature and goals of any future assessments, other work to supplement and enhance the data could be done. For example, if the potential for wetland reclamation were to be investigated as an ecological use of water, a dataset for extinct wetlands would need to be constructed, although it would inherently be incomplete. In addition, new data would need to be generated if any future assessment breaks down King County basin data into total impervious area of greater or less than 15 percent, which is what the literature recommends, rather than the 10 percent cutoff that is currently used.

When this assessment was completed, wetland conditions at the time of potential water input were assumed to be the same as current conditions. Climate change and its effects were not taken into consideration. However, it is nearly certain that climate change will impact wetlands in the region and therefore may impact the criteria used to determine the most suitable wetlands for additional water inputs.

4.0. REFERENCES

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Appendix A
Data Sources

Source Name	Data Included	Concerns/Benefits	Date	Useful to Project?
Digital Data Source				
King County Sensitive Areas Ordinance wetland folio Sao_wetland.shp	Digitized version of the 3 hard-copy volumes of the King County Wetlands Inventory *See Appendix B for data fields included*.	Multiple wetland classes are included in single polygon. Data is nearly 30 years old in most cases.	Approx. 1981; some updates 1990	Yes.
National Wetlands Inventory sph_nwi.shp and nfw_nwiwetpy.shp	Wetland Type/FWS Code	Not field checked. The two NWI datafiles are different – sph_nwi has more than nfw_nwiwetpy; however, the latter is newer.	1977 to present; latest update 2002	Yes; possibly most useful for additional remote data after 1st round of work using SAO.
wtrbdy.shp on gisdw\kclib\plibrary2	No additional attributes; "not a wetland" and "possibly a wetland" are the two categories	Possible wetlands defined: Considered to possibly be a wetland or part of a larger wetland area These could be checked to definitively determine wetland status.	Est. 1997; updates since	No; very few polygons are not already covered by other data.
wtrbdy_wet.shp	No additional attributes	Most wetlands in here overlap SAO wetlands, but some are not covered by SAO folio.	Same as wtrbdy	Not very; few polygons are not covered by other data, and NWI data seems more recent.
2002 land cover data from University of Washington Reg_02lndc.shp	Wetlands from satellite interpretation – no additional attributes included	Misses many wetlands. Adds very little to what we have in other files.	Data from 2002	no
"wetlands" in WDFW PHS data Sph_phspoly_eo.shp	Some narrative notes and dates	Often similar but slightly different from NWI data – based on field visits. Could potentially indicate wetlands not otherwise captured; those with site visits presumed to be more accurate.	1989-1991	Possibly useful post-GIS exercise to enhance information base.

Source Name	Data Included	Concerns/Benefits	Date	Useful to Project?
"wetland deposits" in ngs_surfgeol.shp	No additional attributes	Could alert us to potential wetlands missed in other data sources. Could also give us idea of where wetlands used to be that are gone now.	2002	Not primary goal; could help in development of database of lost wetlands.
Hydric_soils.shp	All hydric soil types in King County	Could give us idea of where wetlands used to be that are gone now.		Not primary goal; could help in development of database of lost wetlands.
Muck soils in University of Washington soils data uuw_soils.shp	No additional attributes except some slope information	Could give us idea of where wetlands used to be that are gone now. Combined data sources: NRCS was established as first choice > USGS >DNR >UW SoilsLab (covered areas with no data) Note almost all muck soils are subsumed in Hydric_soils layer. Muck will be more specific.	Dataset is 2002; source data older	Not primary goal; could help in development of database of lost wetlands.
Various city plus Pierce and SnoCo data sources; see Appendix D for list	Varies	Most lack attributes	Various	Varies
Pct_trees.shp	Percent forest canopy cover	Based on 2002 land cover data from the University of Washington, which is sometimes inaccurate, plus it is now 6 years out of date.	Based on 2002 data	Yes
Cao_basins.shp	Includes TIA info	Based on 2001 LANDSAT land cover data, which is frequently inaccurate, plus it is now 7 years out of date.	Based on 2001 data	Yes
Drnbasin.shp	Catchment area and boundaries			Yes, in next future assessments

Source Name	Data Included	Concerns/Benefits	Date	Useful to Project?
Non-digital Data Source				
King County. 1991. King County Wetlands Inventory.	3 large volumes in hard copy	Large amount of useful information; not all is included in digital version.	Approx. 1981	Yes
King County. 2002. 1997 King County Bog Inventory. King County Surface Water Management. Seattle, WA.	1 volume in hard copy; includes copies of original SAO survey in 1981	Has updated info within past 11 years.	1997, with some updates in 2002	Yes
Rigg, G.B. 1958. Peat resources of Washington. Bulletin No. 44. Department of Conservation, Division of Mines and Geology, State of Washington. Olympia, WA.	Size, location, composition	Purpose was to review potential peat mining sites in the state.	1958	Yes – would require GIS work. Primary use for 1st round is tagging bogs. Secondarily could be used to map where wetlands no longer exist. Note this resource was used in the creation of the King County Bog Inventory.
Bell, J.M. 2002. An Assessment of Selected Sphagnum-Dominated Peatlands of King County, WA, and Their Decline. Master's of Environmental Science Thesis. Olympia, WA: Evergreen State College.	Presents original size and size upon re-visit **Note this information is being used to create two point shapefiles:* reduced_peat_bogs *and* intact_peat_bogs	Review of 27 sphagnum-dominated bogs in King County, as originally reported in King County SAO inventory and Rigg 1958.	2002	Yes – will require GIS work. Primary use for 1st round is tagging bogs. Secondarily could be used to map where wetlands no longer exist.
Delineations for permit applications to DDES		These are not digitized. They are in files in numerous locations.	varies	Unlikely efficient use of time for this project.
Delineations for CIP projects		These are not digitized. They are in files in numerous locations.	varies	Unlikely efficient use of time for this project.

Appendix B
King County Wetlands Inventory Data Fields

Current Fields in Excel	Additional Fields on Data Sheets
Wet_type	Actual Storage
Wetlandid	Potential Storage
Inv_date	Location (section)
Rating	Rare, T, and E species
Acreage	Significant habitat features
Edit_date	general observations
Source1	
Subbasin	
Wetland_no	
Rating_no	
Key_num	
Shape_area	
Shape_len	
Basin	
Comm_plan	
Folio_map	
Inlet_type	
Inlet_cond	
Outlet_typ	
Outlet_con	
Outflow_en	
H20_mvmnt	
H20_qualit	
Wetlandid	
Class1	
Class2	
Class3	
Class4	
Class5	
Trees	
Shrubs	
Herbs	
Sdgrsfrn	
Classes	
Birds	
Mammals	
Fish	
Other	

Appendix C
King County Wetlands Inventory
Electronic Data Tables

Below are the data fields included in each of the four data tables associated with the King County Wetlands Inventory. For metadata, see King County 1991.

Sao_wetland	**sao_wetland_hyd**	**sao_wetland_veg**	**sao_wetland_wld**
HAZARD	WETLANDID	WETLANDID	WETLANDID
WET_TYPE	INV_DATE	INVDATE	INV_DATE
WETLANDID	ACREAGE	ACREAGE	ACREAGE
INV_DATE	RATING	RATING	RATING
RATING	BASIN	BASIN	BASIN
ACREAGE	COMM_PLAN	COMM_PLAN	COMM_PLAN
EDIT_DATE	FOLIO_MAP	FOLIO_MAP	FOLIO_MAP
SOURCE1	INLET_TYPE	CLASS1	BIRDS
SUBBASIN	INLET_COND	CLASS2	MAMMALS
WETLAND_NO	OUTLET_TYP	CLASS3	FISH
RATING_NO	OUTLET_CON	CLASS4	OTHER
KEY_NUM	OUTFLOW_EN	CLASS5	SUBBASIN
SHAPE_AREA	H20_MVMNT	TREES	WET_NO
SHAPE_LEN	H20_QUALIT	SHRUBS	
	SUBBASIN	HERBS	
	WET_NO	SDGRSFRN	
	WTRBDY_XRE	CLASSES	
	FEATURE_ID		

Appendix D
Available City Datasets

Jurisdiction	In planning area?	Data available?	King County data used?
City of Auburn (cau)	Yes		
City of Bellevue (cbe)	Yes		
City of Bothell (cbo) [1]	Yes	x	Initially – see 12 above, bullet 3
City of Issaquah (cis)	Yes		
City of Kenmore(ckm)	Yes		
City of Kent (cke)	Yes	x	no KC data
City of Kirkland (cki)	Yes	x	no KC data
City of Lake Forest Park (clf)	Yes		
City of Maple Valley (cmv)	Yes		
City of Mercer Island (cmi)	Yes		
City of Newcastle (cne)	Yes	x	no KC data
City of Redmond (crm)	Yes	x	no KC data
City of Renton (crn)	Yes	x	no KC data
City of Sammamish (csm)	Yes		
City of Seatac (cst)	Yes		
City of Seattle (cse)	Yes	x	no KC data
City of Shoreline (csh)	Yes	x	no KC data
City of Tukwila (ctu)	Yes	x	no KC data
City of Woodinville(cwo)	Yes	x	no KC data
Snohomish County (f61) [2]	Yes	x	no KC data
Pierce County (f53)	Yes, barely	x	no KC data
City of Burien (cbu)	No		
City of Carnation (cca)	No		
City of Des Moines (cdm)	No	x	yes - same as SAO for KC data
City of Duvall (cdu)	No	x	yes - similar to SAO for part of the area
City of Enumclaw (cen)	No		
City of Federal Way (cfw)[1]	No	x	partial coverage, but no matching IDs
City of Normandy Park (cnp)	No		
City of North Bend (cnb)	No		
City of Snoqualmie (csn)	No		

[1] City of Bothell has some wetland data marked as having come from King County GIS. However, City of Bothell contracted/worked with King County in the early 1990s for their original mapped wetlands data. Since then, they've been updating their wetlands data per inventories compiled by wetlands biologists in conjunction with construction development proposals.

[2] Only Snohomish County and City of Federal Way datasets include wetland class information for some wetlands. Federal Way is not in the planning area.

Appendix E
King County Wetlands Inventory Data

This appendix lists of all wetlands in the King County Wetlands Inventory that are in the reclaimed water planning area. For convenience, the list of data fields in the table and a brief explanation are provided below. The last column of the table indicates which wetlands made it through the filters in this assessment. The table does not contain all data fields listed in Appendix C.

Data Field	**Explanation**
WET_TYPE	Either “wet” or “oww” – wetland or open-water, as per “sao_wetland” shapefile
WETLANDID	Unique identification number. However, some polygons share same number because they are the same wetland.
INV_DATE	Date of original inventory.
RATING	Full wetland rating, as per SAO.
ACREAGE	Wetland acreage.
EDIT_DATE	Date of inventory update, if applicable.
SOURCE1	Source of wetland data, when not original 1983 King County Wetland Inventory.
SUBBASIN	Subbasin identification number.
WETLAND_NO	Wetland identification number used in King County Wetland Inventory.
RATING_NO	Partial wetland rating, as per SAO.
KEY_NUM	Same as WetlandID
SHAPE_AREA	Wetland area in square feet
SHAPE_LEN	Polygon length in feet
BOG1	Indicates if wetland is a bog
FORESTED	Indicates if wetland is coniferous forested
PLANBASIN	Indicates of wetland is in a planning basin
OVER10TIA	Say “NO” if Total Impervious Area is less than 10%
TREES_UND5	Indicates if forest cover in the wetland’s basin is under 50%
TREES_UND6	Indicates if forest cover in the wetland’s basin is under 60% (not used in criteria; just listed as a matter of interest)
WTDRAT_OV5	Indicates when ratio of wetland area to catchment area is over 5%
OUTLET_OPN	Indicates if outlet condition is known, and if so, what it is.
SOC1	Indicates species of concern sighted at wetland during inventory
FORMER_BOG	Indicates if wetland was previously a bog
PHASE1_OK	Indicates if wetland made it through filters in this assessment to determine if wetland may benefit from addition of water

TREES_ UND6	WET_TYPE	WETLANDID	INV_DATE	RATING	ACREAGE	EDIT_DATE	SOURCE1	SUBBASIN	WETLAND _NO	RATING _NO	KEY_NUM	SHAPE_AREA	SHAPE_LEN	BOG1	FORESTED	PLAN BASIN	OVER10TIA	TREES _UND5	TREES _UND56	WTDRAT _OV5	OUTLET _OPN	SOC1	FORMER _BOG	PHASE1 _OK
WET	wet	6801	06/01/81	1 (D)	253.0	07/01/92		68	01	1	6801	6550760.47573000000	37306.80474910000			yes	over10tia			yes	unk			
WET	wet	5601	06/01/81	3	0.3	07/01/92		56	01	3	5601	28322.64968750000	625.00185868500			yes	over10tia	yes	yes		yes			Yes
WET	wet	1660	06/20/90	2	3.9	07/01/92		16	60	2	1660	247460.76731200000	2057.77424235000			yes	over10tia	yes	yes		unk			Yes
WET	wet	3501	08/24/81	2	12.0	07/01/92		35	01	2	3501	514959.75093699900	3188.65489821000			yes	over10tia	yes	yes		no			Yes
WET	wet	5604	06/02/81	2	6.2	07/01/92		56	04	2	5604	308787.13581299900	2351.80482775000			yes	over10tia	yes	yes		unk			Yes
WET	wet	5603	06/01/81	1	92.0	07/01/92		56	03	1	5603	4647086.70780999000	9616.04513047000			yes	over10tia	yes	yes	yes	unk	GB,RH		Yes
WET	wet	5605	06/02/81	2	9.2	07/01/92		56	05	2	5605	591462.78674999900	3312.40932320000			yes	over10tia	yes	yes		no			Yes
WET	wet	3001	08/04/81	2	3.0	07/01/92		30	01	2	3001	83852.52168750000	1077.93531954000			yes	over10tia	yes	yes		no			Yes
WET	wet	3011	06/20/90	2	26.0	07/01/92		30	11	2	3011	180185.10037500000	1548.35512777000			yes	over10tia	yes	yes		unk			Yes
WET	wet	3002	08/04/81	2	6.0	07/01/92		30	02	2	3002	322781.91550000000	2518.60697041000			yes	over10tia	yes	yes		unk	GB		Yes
WET	wet	3010	06/20/90	2	18.0	07/01/92		30	10	2	3010	1086157.96050000000	8417.45041533000			yes	over10tia	yes	yes		yes			Yes
WET	wet	0238	06/20/90	2	3.3	07/01/92		02	38	2	238	282910.75975000000	2604.12868404000			yes	over10tia		yes		unk			
WET	wet	0209	06/23/81	2	12.6	07/01/92		02	09	2	209	470627.33474999900	2788.34254445000			yes	over10tia		yes		yes		Former_bog	
WET	wet	5801	08/31/81	2	6.5	07/01/92		58	01	2	5801	268204.99543800000	2267.57474520000			yes	over10tia	yes	yes		yes		Former_bog	Yes
WET	wet	5120	08/20/81	2	12.5	07/01/92		51	20	2	5120	376935.41350000000	2965.32416374000			yes	over10tia	yes	yes		yes			Yes
WET	wet	5151	08/20/81	2	9.3	07/01/92		51	51	2	5151	531403.50831199900	3065.99283710000			yes	over10tia	yes	yes		unk			Yes
WET	wet	5152	07/23/89	2	26.0	07/01/92		51	52	2	5152	471234.49437500000	2964.62767289000			yes	over10tia	yes	yes		unk			yes
WET	wet	5120	08/20/81	2	12.5	07/01/92		51	20	2	5120	271686.27837499900	2918.59916720000			yes	over10tia	yes	yes		yes			yes
WET	wet	1601	07/09/81	1 (A)	9.5	07/01/92		16	01	1	1601	528982.98337499900	3568.11661677000			yes	over10tia	yes	yes		unk	GB		yes
WET	wet	3505	07/25/90	2	5.2	07/01/92		35	05	2	3505	264424.51143800000	1997.47510419000			yes	over10tia	yes	yes	yes	yes			yes
WET	wet	5130	06/11/90	2	8.5	07/01/92		51	30	2	5130	734244.84631199900	3920.32038453000			yes	over10tia	yes	yes		unk			yes
WET	wet	2710	06/02/81	2	2.8	07/01/92		27	10	2	2710	175857.80512500000	1877.12856808000			yes	over10tia	yes	yes		no			yes
WET	wet	5802	08/31/81	2	4.3	07/01/92		58	02	2	5802	171286.60537500000	1826.35981453000			yes	over10tia	yes	yes		no			yes
WET	wet	5136	06/11/90	2	11.5	07/01/92		51	36	2	5136	586963.28500000000	3126.42856375000			yes	over10tia	yes	yes		unk			yes
WET	wet	6401	08/23/81	3	2.1	07/01/92		64	01	3	6401	127978.10968700000	1364.26922831000			yes	over10tia	yes	yes		unk			yes
WET	wet	5803	08/31/81	2	0.9	07/01/92		58	03	2	5803	32882.67206250000	699.45566846300			yes	over10tia	yes	yes		yes			yes
WET	wet	5130	06/11/90	2	8.5	07/01/92		51	30	2	5130	661315.02568800000	3286.10036247000			yes	over10tia				unk			
WET	wet	5116	08/20/81	3	0.4	07/01/92		51	16	3	5116	14451.58581250000	515.50214235700			yes	over10tia		yes		no			
WET	wet	5138	06/11/90	2	4.5	07/01/92		51	38	2	5138	307600.19725000000	2175.05465513000			yes	over10tia	yes	yes		unk			yes
WET	wet	5132	06/11/90	2	2.0	07/01/92		51	32	2	5132	405927.15793699900	2895.40307208000			yes	over10tia				yes			
WET	wet	1632	06/18/90	2	8.0	07/01/92		16	32	2	1632	422853.63374999900	2604.53051980000			yes	over10tia	yes	yes		unk			yes
WET	wet	5112	08/20/81	2	1.4	07/01/92		51	12	2	5112	91613.95818750000	1182.12701626000			yes	over10tia	yes	yes		yes			yes
WET	wet	2720	06/11/90	2	18.0	07/01/92		27	20	2	2720	1092766.56780999000	5221.52417343000		Yes	yes	over10tia	yes	yes		unk			
WET	wet	1602	07/08/81	2	16.0	07/01/92		16	02	2	1602	710217.66393699900	3183.61914645000			yes	over10tia		yes	yes	no			
WET	wet	0233	06/25/81	2	1.5	07/01/92		02	33	2	233	146192.52487500000	1579.17697834000			yes	over10tia		yes		no			
WET	wet	2705	06/03/81	3	1.0	07/01/92		27	05	3	2705	51317.31781250000	887.99518205100			yes	over10tia	yes	yes		unk			yes
WET	wet	0226	07/01/81	1 (B)	24.6	07/01/92		02	26	1	226	965638.92756300000	4775.10047648000			yes	over10tia		yes		no			
WET	wet	0236	06/25/81	2	1.0	07/01/92		02	36	2	236	71515.23731250000	1016.69281553000			yes	over10tia		yes		yes	GB,RH		
WET	wet	0244	07/08/81	2	80.3	07/01/92		02	44	2	244	3271602.65362000000	11247.87090860000	Bog		yes	over10tia		yes	yes	no			
WET	wet	0284	07/05/90	2	64.0	07/01/92		02	84	2	284	3664266.06862000000	12216.83167260000			yes	over10tia		yes	yes	unk			
WET	wet	0241	06/29/81	3	0.3	07/01/92		02	41	3	241	28984.61218750000	632.63288049300			yes	over10tia		yes		no			
WET	wet	5324	08/12/81	1 (C)	24.8	07/01/92		53	24	1	5324	1142422.83381000000	6174.09628731000			yes	over10tia				yes	GB		
WET	wet	0242	06/29/81	2	0.8	07/01/92		02	42	2	242	101473.20343700000	1178.25625860000			yes	over10tia		yes		yes	GB		
WET	wet	0243	06/29/81	3	0.4	07/01/92		02	43	3	243	56274.44112500000	910.21018308500			yes	over10tia		yes		yes	GB		
WET	wet	0245	07/01/81	1 (D)	24.1	07/01/92		02	45	1	245	1005125.97975000000	3952.75774381000	Bog		yes	over10tia		yes	yes	yes			
WET	wet	0294	07/06/90	2	4.0	07/01/92		02	94	2	294	388131.66381300000	2709.46826045000			yes	over10tia		yes		unk			
WET	wet	0252	07/09/81	1 (B/D)	27.5	07/01/92		02	52	1	252	1150829.18794000000	5064.85809650000	Bog		yes	over10tia		yes	yes	yes			
WET	wet	0253	07/09/81	1 (D)	2.3	07/01/92		02	53	1	253	100988.24981300000	1249.97381629000			yes	over10tia		yes		unk			
WET	wet	1861	07/19/81	2	14.7	07/01/92		18	61	2	1861	928205.86175000000	4257.76751190000			yes	over10tia		yes		no			

WET	wet	0254	07/09/81	2	3.2	07/01/92		02	54	2	254	213630.38574999900	2038.26369800000			yes	over10tia		yes		yes			
WET	wet	1853	06/30/81	2	40.0	07/01/92		18	53	2	1853	1892771.76655999000	7266.99377665000			yes	over10tia		yes	yes	unk	RH		
WET	wet	1851	06/24/81	1 (D)	21.0	07/01/92		18	51	1	1851	650775.30081199900	3117.29078230000			yes	over10tia		yes					
WET	wet	1804	06/24/81	2	33.8	07/01/92		18	04	2	1804	1433700.58618999000	5921.01888366000			yes	over10tia		yes	yes	yes			
WET	wet	1806	06/24/81	1 (D)	53.0	07/01/92		18	06	1	1806	1858491.55594000000	10116.90674950000	Bog		yes	over10tia		yes	yes	no			
WET	wet	1803	06/25/81	2	34.4	07/01/92		18	03	2	1803	1551900.16656000000	6785.73476492000			yes	over10tia		yes	yes	yes			
WET	wet	1851	06/24/81	1 (D)	21.0	07/01/92		18	51	1	1851	90754.07350000000	1230.96322358000			yes	over10tia		yes					
WET	wet	1851	06/24/81	1 (D)	21.0	07/01/92		18	51	1	1851	88334.92850000000	1114.42124269000			yes	over10tia		yes					
WET	wet	1805	06/24/81	2	13.0	07/01/92		18	05	2	1805	634253.93637500000	4561.84175863000			yes	over10tia		yes		no			
WET	wet	1869	07/30/90	2	2.1	07/01/92		18	69	2	1869	191880.44168700000	1788.43803072000			yes	over10tia		yes		unk			
WET	wet	5104	08/19/81	1 (B/C)	78.0	07/01/92		51	04	1	5104	2747383.90613000000	10730.71494090000			yes	over10tia	yes	yes	yes	unk			yes
WET	wet	1823	07/01/81	1 (A/D)	3.2	07/01/92		18	23	1	1823	135579.41387500000	1573.70092978000	Bog		yes	over10tia		yes		no			
WET	wet	1827	06/29/81	1 (D)	11.0	07/01/92		18	27	1	1827	444063.11081300000	2476.84276451000	Bog		yes	over10tia		yes		yes			
WET	wet	1828	07/01/81	2	3.2	07/01/92		18	28	2	1828	147755.54762500000	1673.34109680000			yes	over10tia		yes		unk			
WET	wet	1829	07/01/81	2	5.5	07/01/92		18	29	2	1829	300871.04674999900	2708.42046576000			yes	over10tia		yes		yes			
WET	wet	4811	07/16/81	1	301.0	06/07/00	Mason Bowles	48	11	1	4811	13490338.7349999000 0	40257.59394880000			yes				yes	yes	GB		
WET	wet	1831	07/02/81	1 (C)	13.0	07/01/92		18	31	1	1831	652561.90131300000	3963.95465050000			yes	over10tia		yes		no			
WET	wet	1830	07/01/81	2	7.6	07/01/92		18	30	2	1830	338487.00712500000	2570.92897250000			yes	over10tia		yes		no			
WET	wet	1839	06/04/81	1 (D)	9.0	07/01/92		18	39	1	1839	414668.31131199900	3496.17170749000	Bog		yes	over10tia		yes		no			
WET	wet	1841	06/08/81	2	5.7	07/01/92		18	41	2	1841	140593.08512500000	1569.94942316000			yes	over10tia		yes		unk			
WET	wet	1842	06/04/81	2	2.3	07/01/92		18	42	2	1842	119664.09131200000	1349.85010079000			yes	over10tia		yes		no			
WET	wet	1841	06/08/81	2	5.7	07/01/92		18	41	2	1841	73666.22656250000	1073.42568899000			yes	over10tia		yes		unk			
WET	wet	1840	06/08/81	2	5.1	07/01/92		18	40	2	1840	249934.58106200000	2585.18239761000			yes	over10tia		yes		no			
WET	wet	1832	06/23/81	2	5.5	07/01/92		18	32	2	1832	215071.15006300000	2006.62091782000			yes	over10tia		yes		unk			
WET	wet	1502	06/15/81	2	1.8	07/01/92		15	02	2	1502	116793.49781299900	1421.27171571000			yes	over10tia		yes		unk			
WET	wet	1559	06/15/81	2	6.3	07/01/92		15	59	2	1559	369739.65656199900	3179.75702206000			yes	over10tia		yes		no			
WET	wet	1838	06/08/81	1 (C)	14.7	07/01/92		18	38	1	1838	657170.18981300000	3923.67593754000			yes	over10tia		yes		yes			
WET	wet	1509	06/10/81	1 (D)	55.0	07/01/92		15	09	1	1509	2744399.61613000000	11617.93460280000		Yes	yes	over10tia		yes	yes	no			
WET	wet	1837	06/09/81	2	1.8	07/01/92		18	37	2	1837	84703.34481250000	1169.96657884000			yes	over10tia		yes		no			
WET	wet	1843	06/08/81	3	1.2	07/01/92		18	43	3	1843	87731.43018750000	1221.69980818000			yes	over10tia		yes		yes			
WET	wet	1577	07/05/90	1 (C)	58.0	11/20/96	MASON BOWLES	15	77	1	1577	2744902.84568999000	9241.11239421000		Yes	yes	over10tia		yes	yes	unk			
WET	wet	1564	06/17/81	2	4.0	07/01/92		15	64	2	1564	273632.96456300000	2155.39821960000			yes	over10tia				unk			
WET	wet	1510	06/09/81	1 (B/C)	31.3	07/01/92		15	10	1	1510	1562101.43155999000	9854.04662022000			yes	over10tia		yes		no			
WET	wet	1511	06/15/81	2	3.6	07/01/92		15	11	2	1511	234067.93681300000	2769.47963879000			yes	over10tia		yes		no			
WET	wet	1512	06/15/81	3	0.7	07/01/92		15	12	3	1512	45039.51037500000	890.52014422300			yes	over10tia		yes		yes			
WET	wet	1565	06/17/81	2	7.5	07/01/92		15	65	2	1565	459103.03518800000	3218.62998553000			yes	over10tia			yes	unk			
WET	wet	1562	06/16/81	3	0.4	07/01/92		15	62	3	1562	17576.44818750000	537.38104418600			yes	over10tia		yes		unk			
WET	wet	1519	06/09/81	2	1.0	07/01/92		15	19	2	1519	63487.30437500000	962.61641684000			yes	over10tia		yes		no			
WET	wet	1561	06/16/81	1 (B)	5.0	07/01/92		15	61	1	1561	246669.01050000000	2127.22032341000			yes	over10tia				no			
WET	wet	1518	06/18/81	2	17.2	07/01/92		15	18	2	1518	840091.86268699900	7004.84201986000			yes	over10tia		yes		no			
WET	wet	1514	06/16/81	2	2.8	07/01/92		15	14	2	1514	165584.21606300000	1640.16703818000			yes	over10tia				yes			
WET	wet	1517	06/16/81	2	32.0	07/01/92		15	17	2	1517	1570357.16869000000	9660.52907592000			yes	over10tia			yes	no			
WET	wet	1521	06/10/81	1 (D)	13.4	07/01/92		15	21	1	1521	738737.33093800000	3204.91691066000	Bog		yes	over10tia		yes		no			
WET	wet	1557	06/10/81	1 (A)	65.0	07/01/92		15	57	1	1557	3005395.72705999000	12993.98523260000			yes	over10tia		yes	yes	unk	BE		
WET	wet	1557	06/10/81	1 (A)	65.0	07/01/92		15	57	1	1557	89405.93250000000	1287.35771073000			yes	over10tia		yes	yes	unk	BE		
WET	wet	1530	06/17/81	1 (D)	155.0	07/01/92		15	30	1	1530	6119149.64713000000	22976.66496840000	Bog		yes	over10tia			yes	no			
WET	wet	1566	06/18/81	2	2.1	07/01/92		15	66	2	1566	122511.59793800000	1722.87118308000			yes	over10tia		yes		unk			
WET	wet	4815	07/30/81	2	4.6	07/01/92		48	15	2	4815	206337.49974999900	1674.13047675000			yes					no			
WET	wet	1526	06/18/81	1 (D)	37.0	07/01/92		15	26	1	1526	1770813.15568999000	8549.39219365000	Bog		yes	over10tia		yes	yes	yes			

WET	wet	4816	07/30/81	2	3.4	07/01/92	48	16	2	4816	190702.64556199900	1659.60733577000			yes				unk		
WET	wet	4826	08/03/81	2	3.0	07/01/92	48	26	2	4826	204910.93925000000	1804.89361088000			yes				unk		
WET	wet	4817	07/21/81	1 (D)	2.8	07/01/92	48	17	1	4817	132745.18674999900	1522.24368925000	Bog		yes	over10tia	yes		unk		
WET	wet	1563	06/16/81	2	2.8	07/01/92	15	63	2	1563	160326.69862499900	1650.94263968000			yes	over10tia			unk		
WET	wet	4825	07/29/81	2	4.7	07/01/92	48	25	2	4825	272720.97231300000	2263.44860725000			yes	over10tia			yes	GB,RH	
WET	wet	1529	06/17/81	2	2.5	07/01/92	15	29	2	1529	124516.36675000000	1396.36658633000			yes	over10tia			no		
WET	wet	1535	06/11/81	2	4.0	07/01/92	15	35	2	1535	187752.52143699900	1869.83157022000			yes	over10tia	yes		yes		
WET	wet	4818	07/29/81	1 (D)	10.1	07/01/92	48	18	1	4818	521205.75906200000	3364.82062125000	Bog		yes				yes		
WET	wet	1524	06/11/81	2	0.9	07/01/92	15	24	2	1524	49092.33237499990	823.66921781500			yes	over10tia	yes		no		
WET	wet	4823	07/16/81	2	7.6	07/01/92	48	23	2	4823	299787.05206199900	2652.93199856000			yes				yes	GB	
WET	wet	4824	07/29/81	1 (D)	1.8	07/01/92	48	24	1	4824	53331.24943750000	919.81428551700	Bog		yes				unk		
WET	wet	4810	07/16/81	2	11.7	07/01/92	48	10	2	4810	986301.31012499900	6093.88976731000			yes				yes	RH	
WET	wet	1570	06/23/81	2	3.1	07/01/92	15	70	2	1570	190924.42031300000	2214.30311573000			yes	over10tia	yes		yes		
WET	wet	1534	06/04/81	1 (D)	17.5	07/01/92	15	34	1	1534	814678.06149999900	4350.30092282000	Bog		yes	over10tia	yes	yes	no		
WET	wet	1567	06/18/81	2	2.5	07/01/92	15	67	2	1567	138083.67181199900	1441.94298676000			yes	over10tia	yes		unk		
WET	wet	1532	06/11/81	3	0.8	07/01/92	15	32	3	1532	40945.49868750000	828.74216152700			yes	over10tia			unk		
WET	wet	1533	06/11/81	2	1.2	07/01/92	15	33	2	1533	62168.04987500000	1044.50901830000			yes	over10tia	yes		yes		
WET	wet	1539	06/23/81	1 (D)	21.0	07/01/92	15	39	1	1539	1025600.71950000000	5157.08875626000			yes	over10tia	yes	yes	no		
WET	wet	1538	06/23/81	2	6.5	07/01/92	15	38	2	1538	270014.37993699900	2060.37128871000			yes	over10tia	yes		yes		
WET	wet	1558	06/11/81	1 (D)	3.7	07/01/92	15	58	1	1558	215912.56318800000	1935.79735585000	Bog		yes	over10tia			yes		
WET	wet	4601	09/02/81	2	1.5	07/01/92	46	01	2	4601	67286.76331250000	1020.66566439000			yes	over10tia	yes		unk		
WET	wet	4603	09/02/81	2	1.4	07/01/92	46	03	2	4603	70559.63243750000	1010.94871489000			yes	over10tia	yes		unk		
WET	wet	4605	04/23/81	1 (B/C)	22.0	07/01/92	46	05	1	4605	1485260.89443999000	6563.66882914000			yes	over10tia	yes		no		
WET	wet	4602	09/02/81	2	1.6	07/01/92	46	02	2	4602	75662.68731250000	1096.11597605000			yes	over10tia	yes		unk		
WET	wet	4604	09/02/81	2	2.0	07/01/92	46	04	2	4604	121573.92493800000	1374.70380437000			yes	over10tia	yes		no		
WET	wet	4612	07/18/90	2	1.5	07/01/92	46	12	2	4612	177290.91106300000	1668.64831773000			yes	over10tia	yes		unk		
WET	wet	1590	09/01/81	2	5.8	07/01/92	15	90	2	1590	299886.55431300000	2059.54746457000			yes	over10tia	yes		unk		
WET	wet	2502	07/30/90	1	200.0	07/01/92	25	02	1	2502	12523066.2017000000 0	31583.53517270000			yes	over10tia		yes	unk	GB	
WET	wet	1552	08/25/81	2	5.8	07/01/92	15	52	2	1552	388519.64287500000	2869.76369212000			yes	over10tia			unk		
WET	wet	1574	07/30/90	3	0.7	07/01/92	15	74	3	1574	134158.33993700000	1367.96755180000			yes	over10tia	yes		unk		
WET	wet	1540	06/23/81	2	12.4	07/01/92	15	40	2	1540	581739.60800000000	4143.99751513000		Yes	yes	over10tia	yes	yes	no		
WET	wet	2503	08/25/81	2	7.0	07/01/92	25	03	2	2503	371330.45193699900	3198.00093522000			yes				unk		
WET	wet	6751	08/25/81	2	4.0	07/01/92	67	51	2	6751	280850.58818800000	2075.24711802000			yes	over10tia		yes	unk		
WET	wet	2553	08/25/81	2	1.2	07/01/92	25	53	2	2553	97869.79475000000	1222.46767607000			yes				no		
WET	wet	0603	08/06/81	2	2.0	07/01/92	06	03	2	603	109880.48868700000	1203.07845313000			yes	over10tia			yes		
WET	wet	0602	08/06/81	2	1.1	07/01/92	06	02	2	602	99392.63237500000	1167.91662145000			yes	over10tia			yes		
WET	wet	3708	07/21/81	1 (C)	32.0	07/01/92	37	08	1	3708	923445.15656300000	5750.95923470000			yes	over10tia		yes	no		
WET	wet	3704	07/20/81	2	13.3	07/01/92	37	04	2	3704	480122.14881300000	2945.06829451000			yes	over10tia			yes		
WET	wet	3709	07/21/81	2	10.0	07/01/92	37	09	2	3709	541147.38637500000	3554.52966761000			yes	over10tia			no		
WET	wet	3707	07/21/81	2	10.0	07/01/92	37	07	2	3707	499439.42168799900	2733.17663740000			yes	over10tia			yes		
WET	wet	3712	07/21/81	2	1.2	07/01/92	37	12	2	3712	53239.88881250000	1059.64870296000			yes	over10tia			yes		
WET	wet	3705	07/23/81	1 (A)	142.0	07/01/92	37	05	1	3705	260218.11612500000	1941.61736936000			yes	over10tia			yes	GB	
WET	wet	3705	07/23/81	1 (A)	142.0	07/01/92	37	05	1	3705	283888.11274999900	2267.40284588000			yes	over10tia			yes	GB	
WET	wet	3706	07/20/81	2	3.8	07/01/92	37	06	2	3706	322217.09906300000	2638.01037149000			yes	over10tia			yes		
WET	wet	31150	08/07/90	2	11.0	07/01/92	31	150	2	31150	414838.82312500000	2572.20415083000			yes	over10tia	yes	yes	unk		yes
WET	wet	31150	08/07/90	2	11.0	07/01/92	31	150	2	31150	461997.08775000000	2865.70147704000			yes	over10tia	yes	yes	unk		yes
WET	wet	3702	07/20/81	1 (B/C)	11.0	07/01/92	37	02	1	3702	414732.33687499900	3023.01553396000			yes	over10tia			yes	GB	
WET	wet	3103	07/22/81	2	2.0	07/01/92	31	03	2	3103	189966.88475000000	1612.20110630000			yes	over10tia	yes	yes	unk		yes
WET	wet	3117	07/27/81	2	1.6	07/01/92	31	17	2	3117	123264.81337500000	1319.97928429000			yes	over10tia	yes	yes	unk		yes
WET	wet	3120	07/20/81	2	3.0	07/01/92	31	20	2	3120	249446.05499999900	2073.95646160000			yes	over10tia	yes	yes	yes		yes

WET	wet	5402	08/04/81	1 (C)	134.0	07/01/92	54	02	1	5402	8464963.93586999000	25929.73986270000	Bog		yes	over10tia		yes	yes	yes				
WET	wet	5401	08/04/81	2	7.1	07/01/92	54	01	2	5401	509962.25868799900	3464.70370280000			yes	over10tia		yes		no				
WET	wet	3115	07/22/81	1 (D)	17.0	07/01/92	31	15	1	3115	586703.24124999900	4261.15517327000	Bog		yes					no				
WET	wet	3116	07/22/81	1 (D)	14.0	07/01/92	31	16	1	3116	789329.76693699900	4415.23778976000	Bog		yes	over10tia	yes	yes		no				
WET	wet	0321	06/18/90	2	2.5	07/01/92	03	21	2	321	218470.79887500000	1944.10579159000			yes	over10tia	yes	yes		unk				yes
WET	wet	3118	07/19/80	2	1.7	07/01/92	31	18	2	3118	112965.76487499900	1248.88038409000			yes	over10tia	yes	yes		unk				yes
WET	wet	3118	07/19/80	2	1.7	07/01/92	31	18	2	3118	109424.24212500000	1267.90886349000			yes	over10tia	yes	yes		unk				yes
WET	wet	3122	07/20/81	1 (D)	12.0	07/01/92	31	22	1	3122	696118.47649999900	3837.60178296000			yes	over10tia	yes	yes		yes	GB	Former_bog		yes
WET	wet	3163	07/20/81	3	0.7	07/01/92	31	63	3	3163	43202.70125000000	810.07654669700			yes	over10tia	yes	yes		yes				yes
WET	wet	3125	07/20/81	1 (D)	5.0	07/01/92	31	25	1	3125	239390.60556200000	2022.28371950000			yes	over10tia	yes	yes		unk	RH	Former_bog		yes
WET	wet	3123	07/22/81	1 (D)	7.8	07/01/92	31	23	1	3123	370268.09806300000	2381.92913565000		Yes	yes	over10tia	yes	yes		unk				
WET	wet	5405	08/05/81	2	3.0	07/01/92	54	05	2	5405	265706.42174999900	2355.89956521000			yes	over10tia		yes		no				
WET	wet	0320	06/18/90	2	1.5	07/01/92	03	20	2	320	166726.74937500000	1505.32060815000			yes	over10tia	yes	yes		unk				yes
WET	wet	5409	08/05/81	2	82.0	07/01/92	54	09	2	5409	3753275.92906000000	12181.47694450000		Yes	yes	over10tia		yes	yes	yes				
WET	wet	5404	08/04/81	2	4.0	07/01/92	54	04	2	5404	267478.13306199900	2181.33259684000			yes	over10tia		yes		no				
WET	wet	5406	08/04/81	3	0.6	07/01/92	54	06	3	5406	58286.82000000000	907.12784441400			yes	over10tia		yes		unk				
WET	wet	0306	07/22/81	1 (C)	62.6	07/01/92	03	06	1	306	3124583.01544000000	11384.47385840000			yes	over10tia	yes	yes	yes	yes	GB			yes
WET	wet	5407	08/04/81	3	0.4	07/01/92	54	07	3	5407	26124.87762500000	645.59549853500			yes	over10tia		yes		unk				
WET	wet	5408	08/05/81	2	3.4	07/01/92	54	08	2	5408	203988.99299999900	1890.54909660000			yes	over10tia		yes		yes	GB			
WET	wet	3203	06/13/90	2	49.0	07/01/92	32	03	2	3203	1873133.69356000000	6685.52437280000			yes	over10tia	yes	yes		unk	GB			yes
WET	wet	5476	08/06/81	2	1.7	07/01/92	54	76	2	5476	82368.46656250000	1099.10450427000			yes	over10tia		yes		no				
WET	wet	5417	08/06/81	2	12.0	07/01/92	54	17	2	5417	738541.44374999900	4304.72224897000			yes	over10tia		yes		no				
WET	wet	5416	08/06/81	2	150.0	07/01/92	54	16	2	5416	8703646.80275000000	23112.78292170000			yes	over10tia		yes	yes	unk	RH			
WET	wet	5475	08/06/81	2	2.1	07/01/92	54	75	2	5475	104360.27581300000	1342.72099842000			yes	over10tia		yes		unk				
WET	wet	5420	08/17/81	2	32.0	07/01/92	54	20	2	5420	2026596.75368999000	10453.38330160000			yes	over10tia		yes		no				
WET	wet	3176	07/27/81	2	4.0	07/01/92	31	76	2	3176	223573.49150000000	2405.10322903000			yes	over10tia				no				
WET	wet	5426	08/10/81	2	3.0	07/01/92	54	26	2	5426	86138.03900000000	1134.82380374000			yes	over10tia		yes		no				
WET	wet	5430	08/06/81	2	185.0	07/01/92	54	30	2	5430	6242965.84862000000	26219.87097490000			yes	over10tia		yes	yes	unk				
WET	wet	5433	06/14/90	1	46.0	07/01/92	54	33	1	5433	2688611.97662999000	8656.30385410000			yes	over10tia		yes		unk	RH			
WET	wet	2683	08/15/90	2	25.6	07/01/92	26	83	2	2683	1894625.99863000000	7290.38312942000			yes	over10tia		yes	yes	yes				
WET	oww	2654	06/30/81	2	64.7	07/01/92	26	54	2	2654	2564145.27275000000	8877.90926305000			yes	over10tia		yes	yes	no				
WET	wet	5439	08/11/81	3	1.0	07/01/92	54	39	3	5439	43579.75581250000	790.22155094200			yes	over10tia		yes		unk				
WET	wet	2619	06/29/81	2	10.0	07/01/92	26	19	2	2619	596309.29312499900	3549.34977590000			yes	over10tia		yes		yes				
WET	wet	2656	07/07/81	2	43.5	07/01/92	26	56	2	2656	2240479.24293999000	9344.97906657000			yes	over10tia		yes		yes	GB			
WET	wet	5499	08/28/81	3	1.0	07/01/92	54	99	3	5499	56321.42650000000	997.60879674300			yes	over10tia		yes		unk				
WET	wet	5498	08/28/81	2	2.0	07/01/92	54	98	2	5498	80911.09893750000	1138.00798193000			yes	over10tia		yes		unk				
WET	wet	5444	08/17/81	2	1.7	07/01/92	54	44	2	5444	89422.09531249990	1188.23835245000			yes	over10tia		yes		yes				
WET	wet	2617	07/02/81	1 (D)	17.5	07/01/92	26	17	1	2617	813776.73287499900	3950.87754871000			yes	over10tia		yes		unk	GB	Former_bog		
WET	wet	2653	06/30/81	1 (D)	6.5	07/01/92	26	53	1	2653	504396.23793800000	3581.24182734000	Bog		yes	over10tia		yes		yes				
WET	wet	3206	06/13/90	2	18.0	07/01/92	32	06	2	3206	1179200.86931000000	6570.42817170000			yes	over10tia	yes	yes		unk	PW,RH			yes
WET	oww	5445	08/05/81	2	130.0	07/01/92	54	45	2	5445	7558098.52699999000	14289.28753120000			yes	over10tia		yes	yes	yes				
WET	wet	2620	07/02/81	2	5.8	07/01/92	26	20	2	2620	442187.80356199900	4616.20889509000			yes	over10tia		yes		yes				
WET	oww	2621	06/30/81	1 (A)	17.0	07/01/92	26	21	1	2621	673780.34787499900	3448.81619862000			yes	over10tia		yes		no				
WET	oww	2622	06/30/81	2	51.0	07/01/92	26	22	2	2622	2261414.95688000000	8567.01630925000			yes	over10tia		yes	yes	yes				
WET	wet	0324	06/18/90	2	17.0	07/01/92	03	24	2	324	449289.90087499900	3299.01287728000			yes	over10tia	yes	yes	yes	unk				yes
WET	wet	0308	07/22/81	2	8.5	07/01/92	03	08	2	308	660217.10800000000	3554.79232449000			yes	over10tia	yes	yes		yes	GB			yes
WET	wet	2623	07/07/81	2	4.5	07/01/92	26	23	2	2623	309261.53137500000	3017.56431357000			yes	over10tia		yes		no				
WET	wet	5451	08/19/81	3	0.7	07/01/92	54	51	3	5451	36692.43493750000	784.60959787300			yes	over10tia	yes	yes		unk				yes
WET	wet	5487	08/17/81	2	3.0	07/01/92	54	87	2	5487	197680.97337500000	1882.22854970000			yes	over10tia		yes		no				
WET	wet	5450	08/17/81	1 (C)	32.0	07/01/92	54	50	1	5450	1713574.49344000000	6653.95079485000			yes	over10tia		yes	yes	yes				

WET	wet	3229	08/28/81	2	3.4	07/01/92		32	29	2	3229	249057.55056199900	2235.11592490000			yes	over10tia		yes		no			
WET	wet	5448	08/05/81	2	3.9	07/01/92		54	48	2	5448	53363.60418750000	1693.79078085000			yes	over10tia		yes		yes			
WET	wet	3230	06/13/90	1	76.0	07/01/92		32	30	1	3230	4575323.10575000000	12614.77624020000			yes	over10tia	yes	yes	yes	unk	GB		yes
WET	wet	2655	07/07/81	2	1.5	07/01/92		26	55	2	2655	178960.01006199900	1864.36082800000			yes	over10tia		yes		unk			
WET	wet	2628	07/09/81	2	31.0	07/01/92		26	28	2	2628	1628512.39369000000	7916.25337158000		Yes	yes	over10tia		yes		yes			
WET	wet	3245	06/13/90	2	2.8	07/01/92		32	45	2	3245	268899.48781199900	2589.60550970000			yes	over10tia		yes		unk			
WET	wet	5449	08/05/81	2	5.1	07/01/92		54	49	2	5449	255393.14506300000	1891.87180545000			yes	over10tia		yes		yes			
WET	wet	2625	07/08/81	2	65.0	07/01/92		26	25	2	2625	3283240.36356000000	10485.48791880000		Yes	yes	over10tia		yes	yes	yes			
WET	wet	2627	07/08/81	1 (D)	75.0	07/01/92		26	27	1	2627	3519273.98512999000	9411.92333896000	Bog		yes	over10tia		yes	yes	yes			
WET	wet	2624	07/07/81	3	1.0	07/01/92		26	24	3	2624	66472.64575000000	1132.12754066000			yes	over10tia		yes		yes			
WET	wet	5477	07/11/90	1	62.0	03/03/97	Laura Casey - DDES; WA DOT study	54	77	1	5477	3221696.49949999000	9607.22532579000			yes	over10tia		yes	yes	yes			
WET	wet	2673	07/11/90	2	2.0	07/01/92		26	73	2	2673	134896.41737499900	1969.18834176000			yes	over10tia		yes		unk			
WET	wet	5484	08/14/81	2	6.7	07/01/92		54	84	2	5484	462662.58374999900	3235.15179880000		Yes	yes	over10tia		yes		no			
WET	wet	2672	07/11/90	2	5.5	07/01/92		26	72	2	2672	293931.89468799900	2020.46377555000			yes	over10tia		yes		unk			
WET	wet	3246	05/25/90	2	17.0	07/01/92		32	46	2	3246	1235442.18812999000	5384.16636345000			yes	over10tia		yes		unk	KB,RH		
WET	wet	5453	08/14/81	2	6.3	07/01/92		54	53	2	5453	342896.37543800000	2899.66321271000			yes	over10tia		yes		no			
WET	wet	5452	08/19/81	2	4.8	07/01/92		54	52	2	5452	315536.22781200000	2202.40657836000			yes	over10tia		yes		no			
WET	wet	3220	08/27/81	3	0.3	07/01/92		32	20	3	3220	19658.50068750000	539.29196577800			yes	over10tia		yes		unk			
WET	wet	5441	05/25/90	2	6.0	07/01/92		54	41	2	5441	448074.26137500000	3053.85654989000			yes	over10tia		yes		unk			
WET	wet	3222	06/13/90	2	10.0	07/01/92		32	22	2	3222	593966.60400000000	3820.24104922000			yes	over10tia	yes	yes		unk			yes
WET	wet	5454	08/19/81	2	1.8	07/01/92		54	54	2	5454	94979.56031250000	1198.29220055000			yes	over10tia		yes		unk			
WET	wet	3221	08/27/81	3	0.5	07/01/92		32	21	3	3221	60652.75612500000	936.55953519800			yes	over10tia		yes		unk			
WET	wet	5468	05/25/90	2	10.5	07/01/92		54	68	2	5468	715676.15956199900	3319.04219710000		Yes	yes	over10tia		yes		yes			
WET	wet	5455	08/19/81	3	0.3	07/01/92		54	55	3	5455	39382.15381250000	732.80502222500			yes	over10tia		yes		unk			
WET	wet	0903	07/14/81	2	4.4	07/01/92		09	03	2	903	266075.24612500000	2132.56617406000			yes	over10tia		yes		unk	GB		
WET	wet	3224	08/27/81	2	39.0	07/01/92		32	24	2	3224	2297827.35188000000	8793.37090721000			yes	over10tia		yes		no			
WET	wet	0912	07/14/81	1 (D)	23.3	07/01/92		09	12	1	912	1224575.76050000000	4639.64975221000	Bog		yes	over10tia		yes		no			
WET	wet	5447	05/25/90	2	10.0	07/01/92		54	47	2	5447	636437.30706300000	3441.02331504000			yes	over10tia		yes		unk			
WET	wet	3226	08/28/81	2	6.5	07/01/92		32	26	2	3226	523427.35143699900	4054.23168187000		Yes	yes	over10tia	yes	yes		no			
WET	wet	0922	07/14/81	1 (B/C)	15.0	07/01/92		09	22	1	922	977020.78918800000	4074.23718145000			yes	over10tia		yes		no			
WET	wet	4106	08/25/81	2	2.0	07/01/92		41	06	2	4106	132378.10550000000	1402.10400092000			yes	over10tia	yes	yes		unk			yes
WET	wet	0926	07/09/81	2	30.8	07/01/92		09	26	2	926	2047503.70613000000	7214.55032173000		Yes	yes	over10tia		yes		unk			
WET	wet	4052	07/11/90	2	64.0	07/01/92		40	52	2	4052	2123567.02530999000	11466.68647020000			yes	over10tia	yes	yes	yes	unk	KB		yes
WET	wet	0927	07/09/81	1 (C/D)	40.0	07/01/92		09	27	1	927	2428749.01762000000	12020.47386840000	Bog		yes	over10tia		yes		no			
WET	wet	3192	08/13/81	1 (C)	98.0	06/29/95	SWM (Ruth Schaefer) - 02/16/95	31	92	1	3192	5306012.47169000000	14363.29496010000	Bog		yes				yes	yes			
WET	oww	3191	08/13/81	2	42.0	07/01/92		31	91	2	3191	1885355.28838000000	5929.78505775000			yes					yes			
WET	wet	1603	06/04/81	3	0.7	09/24/01	Christie Most - Assessors - 5/30/01	16	03	3	1603	49076.10493650000	1024.35761057000			yes	over10tia		yes		yes	GB		
WET	wet	2701	6/4/81	2	1.0	09/24/01	Christie Most - Assessors - 5/30/01	27	01	2	2701	67994.08250600000	1061.51833193000			yes	over10tia	yes	yes		no			yes
WET	wet	5199	6/4/81	2	0.9	09/24/01	Christie Most - Assessors - 5/30/01	51	99	2	5199	60848.86496350000	937.68275097900			yes	over10tia		yes		no			

Appendix F
National Wetlands Inventory Data

This appendix lists all of wetlands in the Northwest Wetland Inventory that are in the reclaimed water planning area. For convenience, the list of data fields in the table and a brief explanation are provided below.

Data Field	**Explanation**
ACRE	Area of wetland
ID	Unique identification number for each wetland
BOG	Indicates if wetland is a bog
FORESTED	Indicates if wetland is coniferous forested
TIA_OK	Say “NO” if Total Impervious Area is less than 10%
TREEUNDER5	Indicates if forest cover in the wetland’s basin is under 50%
TREEUND60	Indicates if forest cover in the wetland’s basin is under 60% (not used in criteria; just listed as a matter of interest)
APD?	Indicates whether wetland is in Agriculture Production District
COUNTY	Indicates what County the wetland is located in
PHASE1_OK	Indicates if wetland made it through filters in this assessment to determine if wetland may benefit from addition of water

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
13.21811366360	1			NO				Pierce	
6.04710277017	2			NO				Pierce	
1.95416653423	3			NO				Pierce	
0.33539220213	4			NO				Pierce	
7.10149058999	5					und_60		Pierce	yes
0.23576141299	6					und_60		KingCo	
1.92409744792	7					und_60		KingCo	
1.27253702149	8					und_60		KingCo	
3.35425773258	9					und_60		KingCo	
8.05080272641	10					und_60		KingCo	
2.39083002898	11					und_60	Yes	KingCo	
1.49954872546	12					und_60		KingCo	
0.07567295612	13					und_60		KingCo	
2.18484465306	14					und_60	Yes	KingCo	
1.65919283761	15					und_60		KingCo	
0.31865856764	16			NO				KingCo	
12.76985686020	17					und_60		KingCo	
2.86797543015	18					und_60		KingCo	
0.36862097696	19			NO				KingCo	
2.03935236785	20					und_60		KingCo	
0.04501006629	21					und_60		KingCo	
0.85101375789	22					und_60		KingCo	
0.03176435319	23					und_60		KingCo	
14.91744261820	24	Y				und_60		KingCo	
0.92097759642	25					und_60		KingCo	
1.06437303246	26					und_60		KingCo	
26.85536802360	27					und_60		KingCo	
72.10902722370	28					und_60		KingCo	
7.22119558999	29					und_60		KingCo	
89.75502737600	30		Y			und_60		KingCo	
0.89575778294	31					und_60		KingCo	
5.40044044465	32					und_60		KingCo	
14.89168075970	33					und_60		KingCo	
0.83665143093	34					und_60		KingCo	
8.01941643595	35					und_60		KingCo	
1.78602624067	36					und_60		KingCo	
1.46047631112	37					und_60		KingCo	
0.26882771364	38					und_60		KingCo	
0.21606508580	39					und_60		KingCo	
0.09173677155	40					und_60		KingCo	
5.64628614813	41			NO				KingCo	
29.14780799130	42					und_60		KingCo	
0.90931037262	43					und_60		KingCo	
2.68999902936	44					und_60		KingCo	
1.11326989397	45					und_60		KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.55441902864	46					und_60		KingCo	
13.77450636350	47					und_60		KingCo	
14.75167142160	48					und_60		KingCo	
0.20617235566	49					und_60		KingCo	
0.31601629075	50					und_60		KingCo	
0.47163036214	51					und_60		KingCo	
3.89730334567	52					und_60		KingCo	
128.32150075500	53	Y		NO				KingCo	
0.26727428346	54					und_60		KingCo	
0.81552357754	55					und_60		KingCo	
0.60461892117	56					und_60		KingCo	
8.25474194143	57					und_60		KingCo	
1.15236558009	58					und_60		KingCo	
1.04126814781	59					und_60		KingCo	
0.63555156164	60					und_60		KingCo	
0.66560846533	61					und_60		KingCo	
32.45053376430	62					und_60		KingCo	
0.23391885947	63					und_60		KingCo	
0.22326820750	64					und_60		KingCo	
0.09774673166	65					und_60		KingCo	
3.55763144800	66					und_60		KingCo	
0.25638009871	67					und_60		KingCo	
319.97578031500	68					und_60		KingCo	
0.08939816417	69					und_60		KingCo	
0.25757206066	70					und_60		KingCo	
0.09435023961	71					und_60		KingCo	
0.13799085457	72					und_60		KingCo	
0.08904142734	73					und_60		KingCo	
0.19320322156	74					und_60		KingCo	
0.10023436510	75					und_60		KingCo	
0.12447933583	76					und_60		KingCo	
0.05044616664	77					und_60		KingCo	
0.32120790074	78					und_60		KingCo	
0.27069929853	79					und_60		KingCo	
0.21796871284	80					und_60		KingCo	
0.43718075499	81					und_60		KingCo	
2.38025236341	82					und_60		KingCo	
0.05012854368	83					und_60		KingCo	
0.16668975264	84					und_60		KingCo	
0.72892760689	85					und_60		KingCo	
1.25674980802	86					und_60		KingCo	
1.59203243802	87					und_60		KingCo	
0.46822218779	88					und_60		KingCo	
0.65001948777	89					und_60		KingCo	
14.44137441600	90					und_60		KingCo	
0.16934189164	91					und_60		KingCo	
0.09393237747	92					und_60		KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.11037750646	93					und_60		KingCo	
0.06221215063	94					und_60		KingCo	
0.19985173884	95					und_60		KingCo	
0.32478579402	96					und_60		KingCo	
0.76478108959	97					und_60		KingCo	
0.09259169307	98					und_60		KingCo	
0.05759994246	99					und_60		KingCo	
9.29035176911	100					und_60		KingCo	
0.16621092918	101					und_60		KingCo	
8.45082132977	102					und_60		KingCo	
0.07078639075	103					und_60		KingCo	
0.05233179436	104					und_60		KingCo	
0.26216609719	105					und_60		KingCo	
5.03396873694	106					und_60		KingCo	
4.70472134312	107					und_60		KingCo	
36.09536944230	108					und_60		KingCo	
1.20783490459	109					und_60		KingCo	
0.08905678274	110					und_60		KingCo	
1.05238316015	111					und_60		KingCo	
0.62352820162	112					und_60		KingCo	
13.65184653780	113		Y			und_60		KingCo	
0.16237559602	114					und_60		KingCo	
13.56943341570	115					und_60		KingCo	
36.66803861930	116		Y			und_60		KingCo	
0.76301251334	117					und_60		KingCo	
1.09954589933	118					und_60		KingCo	
0.08247207932	119					und_60		KingCo	
0.05831692278	120					und_60		KingCo	
3.51208230286	121					und_60		KingCo	
1.25331535411	122					und_60		KingCo	
2.33946684013	123					und_60		KingCo	
0.34161537692	124					und_60		KingCo	
2.51474876621	125					und_60		KingCo	
0.50257738622	126					und_60		KingCo	
0.12512024478	127					und_60		KingCo	
0.13271340048	128					und_60		KingCo	
7.93649146479	129					und_60		KingCo	
0.89015793331	130					und_60		KingCo	
2.21324834869	131					und_60		KingCo	
0.18098301753	132					und_60		KingCo	
13.22085521520	133					und_60		KingCo	
1.00032957530	134					und_60		KingCo	
4.47609415074	135					und_60		KingCo	
1.10203622920	136					und_60		KingCo	
0.32042709209	137					und_60		KingCo	
0.16030812299	138					und_60		KingCo	
6.46783446754	139					und_60		KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
14.97422475620	140					und_60		KingCo	
0.08688761105	141					und_60		KingCo	
0.07519321611	142					und_60		KingCo	
1.69834441761	143					und_60		KingCo	
1.81122602215	144					und_60		KingCo	
1.16382897024	145					und_60		KingCo	
2.67403947027	146					und_60		KingCo	
0.22807679236	147					und_60		KingCo	
0.74159901702	148					und_60		KingCo	
0.81022031250	149					und_60		KingCo	
69.82901286060	150					und_60		KingCo	
0.09718526472	151					und_60		KingCo	
0.07067628415	152					und_60		KingCo	
0.75222578599	153					und_60		KingCo	
156.77350096600	154					und_60		KingCo	
0.11700305154	155					und_60		KingCo	
3.24819997460	156					und_60		KingCo	
0.10404510775	157					und_60		KingCo	
1.17796067292	158					und_60		KingCo	
76.12688353740	159					und_60		KingCo	
3.08030709711	160					und_60		KingCo	
0.16187231792	161					und_60		KingCo	
0.13095623034	162					und_60		KingCo	
0.03967729238	163					und_60		KingCo	
13.40191136080	164					und_60		KingCo	
0.62064902864	165					und_60		KingCo	
13.92627036360	166					und_60		KingCo	
0.07000606362	167					und_60		KingCo	
0.05172294393	168					und_60		KingCo	
0.04584130768	169					und_60		KingCo	
0.16263164959	170					und_60		KingCo	
0.18524066173	171					und_60		KingCo	
0.66491713327	172					und_60		KingCo	
0.28734004950	173					und_60		KingCo	
0.03913615530	174					und_60		KingCo	
0.27988911329	175					und_60		KingCo	
23.96603508750	176					und_60		KingCo	
0.20234780949	177					und_60		KingCo	
1.18906927872	178					und_60		KingCo	
0.19710094166	179					und_60		KingCo	
12.66130741190	180					und_60		KingCo	
14.60938020860	181					und_60		KingCo	
0.15455518609	182					und_60		KingCo	
0.16386390166	183					und_60		KingCo	
65.04176360550	184					und_60		KingCo	
0.18781680771	185					und_60		KingCo	
0.04506463183	186					und_60		KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.13785843664	187					und_60		KingCo	
0.07736833118	188					und_60		KingCo	
1.92380791839	189					und_60		KingCo	
0.54118643739	190					und_60		KingCo	
1.43522231204	191					und_60		KingCo	
0.86770207056	192					und_60		KingCo	
29.45879336160	193					und_60		KingCo	
0.13351080492	194					und_60		KingCo	
1.99662040074	195					und_60		KingCo	
25.49249222150	196					und_60		KingCo	yes
19.13661930010	197					und_60		KingCo	
0.13354491606	198					und_60		KingCo	
0.64443040591	199							KingCo	
0.46867511851	200					und_60		KingCo	
0.50272477144	201					und_60		KingCo	
0.12122392476	202					und_60		KingCo	
4.54892017304	203					und_60		KingCo	
0.06353231735	204					und_60		KingCo	
0.46855251177	205					und_60		KingCo	
30.11058962900	206					und_60		KingCo	
2.69314575227	207					und_60		KingCo	
0.09501071525	208					und_60		KingCo	
0.37387069818	209					und_60		KingCo	
0.08266553375	210					und_60		KingCo	
0.90401579947	211					und_60		KingCo	
2.11388857481	212					und_60		KingCo	
0.34803875976	213					und_60		KingCo	
0.51592557019	214					und_60		KingCo	
1.60188018810	215					und_60		KingCo	
1.31148058597	216					und_60		KingCo	
0.24338753773	217					und_60		KingCo	
0.26051690987	218					und_60		KingCo	
0.25146536186	219					und_60		KingCo	
0.08278041193	220					und_60		KingCo	
7.38299089403	221					und_60		KingCo	
1.17304901687	222					und_60		KingCo	
0.24502928834	223					und_60		KingCo	
0.14317250387	224					und_60		KingCo	
0.84558263071	225					und_60		KingCo	
30.68504973940	226							KingCo	
0.14881100867	227					und_60		KingCo	
1.92521578441	228					und_60		KingCo	
0.24724529155	229					und_60		KingCo	
0.14626076231	230					und_60		KingCo	
0.31653296732	231					und_60		KingCo	
0.12066793948	232					und_60		KingCo	
0.38122408876	233					und_60		KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
20.99115144940	234			NO				KingCo	
282.41706679300	235		Y			und_60		KingCo	
5.18008756543	236					und_60		KingCo	
0.23102897727	237					und_60		KingCo	
0.87270006528	238					und_60		KingCo	
0.02594314580	239					und_60		KingCo	
0.02120819904	240					und_60		KingCo	
0.01517021264	241					und_60		KingCo	
1.30284135560	242					und_60		KingCo	
0.88678025913	243					und_60		KingCo	
98.76280265380	244	Y				und_60		KingCo	yes
0.06807891127	245					und_60		KingCo	
2.33619208506	246					und_60		KingCo	
86.06436807130	247	Y		NO				KingCo	
10.38908532200	248					und_60		KingCo	
0.13535401931	249					und_60		KingCo	
0.17347506729	250							KingCo	
0.92111694530	251							KingCo	
4.08703727617	252							KingCo	
0.07652149636	253							KingCo	
2.81906305096	254							KingCo	
2.45584944975	255							KingCo	
0.49893839933	256							KingCo	
0.05178546000	257			NO				KingCo	
0.34435321138	258			NO				KingCo	
0.32657598973	259			NO				KingCo	
4.01074356075	260			NO				KingCo	
1.60303474016	261			NO				KingCo	
0.06969357725	262			NO				KingCo	
3.71277410081	263							KingCo	
0.30971290591	264			NO				KingCo	
4.68727869203	265							KingCo	
0.06822309975	266			NO				KingCo	
0.54217129304	267			NO				KingCo	
0.34811888243	268			NO				KingCo	
2.54034368084	269							KingCo	
3.86153754233	270			NO				KingCo	
0.94130394858	271							KingCo	
1.19182908847	272							KingCo	
0.53330603406	273							KingCo	
2.76021116807	274			NO				KingCo	
8.51283899549	275			NO				KingCo	
0.36781302399	276			NO				KingCo	
7.30292710615	277							KingCo	
0.40740049443	278							KingCo	
0.11771834022	279			NO				KingCo	
0.35891352359	280			NO				KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.20656976656	281			NO				KingCo	
20.15693537280	282			NO				KingCo	
0.28334541753	283			NO				KingCo	
2.94245448361	284							KingCo	
3.72822489971	285							KingCo	
0.62131469094	286			NO				KingCo	
1.22224413381	287							KingCo	
0.46238497130	288					und_60		KingCo	
0.98074636364	289					und_60		KingCo	
0.49135632074	290							KingCo	
0.23862059143	291							KingCo	
0.15072336605	292							KingCo	
0.19113364985	293							KingCo	
0.48880746427	294					und_60		KingCo	
21.16816763820	295							KingCo	
0.07144961174	296							KingCo	
0.60779063433	297							KingCo	
0.28368289457	298					und_60		KingCo	
0.05369417485	299					und_60		KingCo	
0.39459694114	300					und_60		KingCo	
0.26937323304	301					und_60		KingCo	
0.20069268968	302					und_60		KingCo	
0.07066877898	303							KingCo	
0.06269413395	304							KingCo	
4.69561294407	305							KingCo	
1.91523058927	306					und_60		KingCo	
1.34368772957	307							KingCo	
1.76746089173	308							KingCo	
2.56759291681	309							KingCo	
0.26491168015	310							KingCo	
0.09765364282	311					und_60		KingCo	
0.08993520087	312					und_60		KingCo	
1.85043892476	313					und_60		KingCo	
4.74065974719	314					und_60		KingCo	
5.14305913496	315					und_60		KingCo	
2.71592322113	316					und_60		KingCo	
0.40922836935	317					und_60		KingCo	
1.66255798023	318							KingCo	
0.30741424085	319			NO				KingCo	
0.28625028840	320							KingCo	
2.50727960069	321			NO				KingCo	
0.06410856405	322					und_60		KingCo	
10.39974861310	323					und_60		KingCo	
0.10143150468	324			NO				KingCo	
0.66970597222	325			NO				KingCo	
5.82838397483	326					und_60		KingCo	
0.20405279213	327			NO				KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.14948035755	328			NO				KingCo	
0.09570855903	329					und_60		KingCo	
1.57467344539	330					und_60		KingCo	
0.40676474159	331			NO				KingCo	
0.41340583319	332					und_60		KingCo	
1.39289489124	333							KingCo	
5.12673596060	334					und_60		KingCo	
0.38550129290	335					und_60		KingCo	
3.47102724073	336			NO				KingCo	
7.54502612517	337							KingCo	
0.11488933554	338					und_60		KingCo	
1.33940967157	339			NO				KingCo	
0.18467247561	340							KingCo	
0.11191767103	341					und_60		KingCo	
23.22826855470	342					und_60		KingCo	
0.07617806115	343					und_60		KingCo	
3.34128287864	344			NO				KingCo	
1.25509210801	345					und_60		KingCo	
0.11758146422	346					und_60		KingCo	
0.77688880208	347					und_60		KingCo	
12.16481502200	348			NO				KingCo	
0.67654734045	349					und_60		KingCo	
15.29570802310	350		Y			und_60		KingCo	
0.87877972524	351					und_60		KingCo	
0.27839718377	352					und_60		KingCo	
1.67640408603	353					und_60		KingCo	
2.55779809946	354					und_60		KingCo	
249.08034283000	355			NO	und_50	und_60		KingCo	
11.28794412860	356					und_60		KingCo	
0.36891162908	357					und_60		KingCo	
1.15057031594	358					und_60		KingCo	
0.35853629477	359							KingCo	
3.02224450872	360					und_60		KingCo	
4.21540158130	361					und_60		KingCo	
5.35941903194	362					und_60		KingCo	
0.12159645417	363				und_50	und_60		KingCo	yes
0.85522569373	364					und_60		KingCo	
0.85973161272	365					und_60		KingCo	
0.81939934989	366					und_60		KingCo	
24.57033700070	367					und_60		KingCo	
0.23856814695	368					und_60		KingCo	
0.14597736628	369					und_60		KingCo	
2.67336780317	370					und_60		KingCo	
0.67071736599	371					und_60		KingCo	
0.46134223915	372					und_60		KingCo	
4.02930767548	373					und_60		KingCo	
39.52102860160	374					und_60		KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.63275950471	375					und_60		KingCo	
3.11755937787	376					und_60		KingCo	
9.48101593377	377	Y						KingCo	
1.04239579933	378					und_60		KingCo	
0.19681980874	379					und_60		KingCo	
0.94936897483	380					und_60		KingCo	
19.84003558530	381	Y				und_60		KingCo	
0.18776410124	382							KingCo	
0.02447491248	383							KingCo	
0.69888647713	384							KingCo	
12.60510474100	385			NO			Yes	KingCo	
1.00334298052	386							KingCo	
0.29915608069	387			NO				KingCo	
0.59453068282	388			NO				KingCo	
0.54793256801	389					und_60		KingCo	
9.00190106434	390	Y		NO				KingCo	
4.37115043317	391					und_60		KingCo	
0.17842899879	392					und_60		KingCo	
0.15751966497	393					und_60		KingCo	
43.55212492210	394							KingCo	
0.08463952408	395					und_60		KingCo	
2.35257321525	396			NO				KingCo	
2.18861001463	397							KingCo	
0.48830224088	398							KingCo	
0.04659005065	399							KingCo	
14.46498897710	400					und_60		KingCo	
6.11632662491	401							KingCo	
1.20952949552	402					und_60		KingCo	
0.35913803203	403			NO				KingCo	
0.59853767404	404							KingCo	
0.26037126176	405			NO				KingCo	
0.21987979640	406							KingCo	
0.82298765797	407							KingCo	
5.76513643638	408							KingCo	
0.56951640998	409							KingCo	
0.13390728794	410							KingCo	
0.72163087222	411	Y				und_60		KingCo	
0.43019220759	412			NO				KingCo	
0.06561347653	413							KingCo	
6.04580039816	414					und_60		KingCo	
1.32954921488	415					und_60		KingCo	
0.05282212609	416							KingCo	
7.63645996413	417					und_60		KingCo	
1.56906991692	418							KingCo	
1.37086556173	419			NO				KingCo	
0.25720534966	420					und_60		KingCo	
0.06682258465	421							KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
92.38089386390	422	Y						KingCo	
0.17444575700	423					und_60		KingCo	
0.13333466153	424							KingCo	
1.12773344152	425							KingCo	
1.92442483428	426			NO				KingCo	
59.49607305460	427					und_60		KingCo	
0.45723940154	428							KingCo	
0.31140728693	429			NO				KingCo	
1.19118711863	430			NO				KingCo	
0.16603050720	431					und_60		KingCo	
0.51990477057	432					und_60		KingCo	
11.28316837870	433					und_60		KingCo	
0.13632357223	434					und_60		KingCo	
0.64732275568	435					und_60		KingCo	
0.46282005007	436					und_60		KingCo	
0.49286894413	437					und_60		KingCo	
6.11115910440	438							KingCo	
14.73161431000	439							KingCo	
0.44357801280	440							KingCo	
9.76017914156	441	Y				und_60		KingCo	
1.91231881241	442					und_60		KingCo	
0.46357806603	443					und_60		KingCo	
63.41446263990	444			NO				KingCo	
15.30700159350	445					und_60		KingCo	
1.86639063562	446							KingCo	
4.00610159421	447					und_60		KingCo	
1.64579629118	448							KingCo	
7.70349034034	449							KingCo	
0.52568847581	450							KingCo	
13.14975268090	451							KingCo	
0.56475486857	452					und_60		KingCo	
1.19843614555	453					und_60		KingCo	
0.71590175778	454					und_60		KingCo	
0.32422642203	455							KingCo	
0.19932322874	456					und_60		KingCo	
0.42747653409	457					und_60		KingCo	
0.78273663797	458					und_60		KingCo	
0.75806703469	459							KingCo	
0.35675278251	460							KingCo	
0.88209194172	461					und_60		KingCo	
0.62005983528	462					und_60		KingCo	
0.25265954244	463							KingCo	
0.34580786358	464					und_60		KingCo	
0.79166281193	465					und_60		KingCo	
0.10836720171	466							KingCo	
1.18364416064	467					und_60		KingCo	
0.49051784392	468							KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
4.49933202781	469							KingCo	
1.95646512440	470					und_60		KingCo	
0.40342322113	471					und_60		KingCo	
0.37230436395	472					und_60		KingCo	
10.25155964680	473		Y			und_60		KingCo	
6.87287345156	474					und_60		KingCo	
0.18867709252	475					und_60		KingCo	
0.45256343363	476					und_60		KingCo	
0.63117887253	477					und_60		KingCo	
7.93975025898	478					und_60		KingCo	
86.37774968080	479		Y			und_60		KingCo	
0.08218438404	480					und_60		KingCo	
8.56041844769	481					und_60		KingCo	
1.39868993472	482					und_60		KingCo	
0.12734253501	483					und_60		KingCo	
0.26974320248	484					und_60		KingCo	
8.37785868400	485					und_60		KingCo	
0.35919598743	486					und_60		KingCo	
0.21570664098	487					und_60		KingCo	
0.06831088556	488					und_60		KingCo	
0.41200731520	489					und_60		KingCo	
0.79263171602	490					und_60		KingCo	
2.17351382906	491					und_60		KingCo	
0.14557934315	492					und_60		KingCo	
7.62172487173	493	Y				und_60		KingCo	
0.04743149621	494					und_60		KingCo	
8.07900571181	495					und_60		KingCo	
16.53476591570	496					und_60		KingCo	
0.18611265410	497					und_60		KingCo	
5.14025350594	498					und_60		KingCo	
0.28899683181	499					und_60		KingCo	
2.68680122905	500					und_60		KingCo	
1.07491369103	501					und_60		KingCo	
0.19394356563	502					und_60		KingCo	
0.22004323892	503					und_60		KingCo	
13.89626677100	504	Y				und_60		KingCo	
0.04614702852	505					und_60		KingCo	
0.06549230214	506					und_60		KingCo	
0.03948579072	507					und_60		KingCo	
0.04323693254	508					und_60		KingCo	
0.52804203484	509					und_60		KingCo	
0.25755793589	510					und_60		KingCo	
0.40173883939	511					und_60		KingCo	
0.37390707429	512					und_60		KingCo	
0.57926254778	513					und_60		KingCo	
0.51569993414	514					und_60		KingCo	
0.84477194631	515					und_60		KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
3.74335007791	516	Y				und_60		KingCo	
4.04082518394	517					und_60		KingCo	
39.85222173450	518					und_60		KingCo	
2.95363230329	519					und_60		KingCo	
0.91719163209	520					und_60		KingCo	
0.13395342444	521					und_60		KingCo	
0.47437727718	522					und_60		KingCo	
0.10770204832	523					und_60		KingCo	
0.68452030676	524					und_60		KingCo	
2.72745834280	525					und_60		KingCo	
1.02602308640	526					und_60		KingCo	
0.25209529987	527					und_60		KingCo	
0.10014980659	528					und_60		KingCo	
0.38955252124	529					und_60		KingCo	
0.41403461174	530					und_60		KingCo	
10.04006852110	531					und_60		KingCo	
0.20955529385	532					und_60		KingCo	
0.06192688619	533					und_60		KingCo	
0.23505022584	534					und_60		KingCo	
0.12633624125	535					und_60		KingCo	
0.12816173941	536					und_60		KingCo	
5.13617359935	537					und_60		KingCo	
0.22786012842	538					und_60		KingCo	
2.46926935764	539					und_60		KingCo	
3.78789682708	540					und_60		KingCo	
0.30901038711	541					und_60		KingCo	
3.57652679149	542					und_60		KingCo	
0.04073084553	543					und_60		KingCo	
3.51175963900	544					und_60		KingCo	
22.83014761290	545	Y				und_60		KingCo	
0.31771963068	546					und_60		KingCo	
0.37076912477	547					und_60		KingCo	
2.24847433167	548					und_60		KingCo	
14.46347200890	549					und_60		KingCo	
21.71997744650	550					und_60		KingCo	
71.60143868290	551					und_60		KingCo	
1.29042213212	552							KingCo	
1.26738664098	553					und_60		KingCo	
0.58197167355	554					und_60		KingCo	
3.52992890711	555					und_60		KingCo	
11.92974022770	556					und_60		KingCo	
1.81242338456	557					und_60		KingCo	
2.28781316761	558					und_60		KingCo	
0.62034769298	559					und_60		KingCo	
0.62648688533	560					und_60		KingCo	
2.18851708118	561					und_60		KingCo	
2.67280527548	562					und_60		KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
51.23079874540	563	Y				und_60		KingCo	
0.94637399506	564					und_60		KingCo	
1.24775517060	565					und_60		KingCo	
1.70162949911	566					und_60		KingCo	
0.30194029715	567							KingCo	
4.92356276946	568					und_60		KingCo	
0.19932201317	569					und_60		KingCo	
0.33320490157	570							KingCo	
7.48861245122	571							KingCo	
7.65394619964	572							KingCo	
0.42425977947	573							KingCo	
0.19887063347	574					und_60		KingCo	
5.37115973858	575							KingCo	
0.85981346074	576							KingCo	
0.37625071869	577							KingCo	
0.13162057349	578							KingCo	
0.92495736613	579					und_60		KingCo	
0.25072993773	580					und_60		KingCo	
72.50306023490	581	Y				und_60		KingCo	
0.28660582889	582							KingCo	
0.07021651070	583					und_60		KingCo	
0.14994837164	584					und_60		KingCo	
0.25662846821	585					und_60		KingCo	
0.09131278352	586							KingCo	
0.11491710973	587							KingCo	
0.54451386048	588					und_60		KingCo	
0.06990399966	589							KingCo	
1.14156952809	590					und_60		KingCo	
17.27158831870	591					und_60		KingCo	
1.38888668030	592					und_60		KingCo	
16.43758263800	593					und_60		KingCo	
1.39360626951	594					und_60		KingCo	
0.45595855099	595					und_60		KingCo	
0.74457616190	596					und_60		KingCo	
2.75530813390	597							KingCo	
0.81682117611	598							KingCo	
0.24207219582	599							KingCo	
0.81412482610	600							KingCo	
4.69767455220	601							KingCo	
0.11211909450	602							KingCo	
0.90187303145	603							KingCo	
0.15165059200	604							KingCo	
0.51598570894	605					und_60		KingCo	
1.93420580851	606							KingCo	
31.14152133110	607							KingCo	
1.42870550060	608					und_60		KingCo	
0.07194897742	609					und_60		KingCo	

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
1.24874450858	610					und_60		KingCo	
11.98734021180	611					und_60		KingCo	
1.13175532972	612					und_60		KingCo	
0.43256657972	613					und_60		KingCo	
0.05918767232	614					und_60		KingCo	
0.20336572099	615					und_60		KingCo	
0.04175686323	616					und_60		KingCo	
0.34271482596	617					und_60		SnoCo	yes
0.26884416710	618					und_60		SnoCo	yes
0.20447933468	619					und_60		SnoCo	yes
1.39151240903	620					und_60		SnoCo	yes
0.29016714919	621					und_60		SnoCo	yes
0.28371371212	622					und_60		SnoCo	yes
2.43128864425	623					und_60		SnoCo	yes
1.64799563447	624					und_60		SnoCo	yes
0.25773087537	625					und_60		SnoCo	yes
0.10975891256	626					und_60		SnoCo	yes
4.15602138157	627					und_60		SnoCo	yes
0.21832483371	628					und_60		SnoCo	yes
0.23451480185	629					und_60		SnoCo	yes
3.60098886335	630					und_60		SnoCo	yes
9.40941214288	631					und_60		SnoCo	yes
4.57289865832	632					und_60		SnoCo	yes
3.07230689466	633					und_60		SnoCo	yes
0.64751270604	634					und_60		SnoCo	yes
2.50124772971	635					und_60		SnoCo	yes
0.33839490631	636					und_60		SnoCo	yes
1.21292594496	637					und_60		SnoCo	yes
4.42474772010	638					und_60		SnoCo	yes
2.39243450356	639					und_60		SnoCo	yes
0.38961072587	640					und_60		SnoCo	yes
1.35408649879	641					und_60		SnoCo	yes
3.88830068454	642					und_60		SnoCo	yes
0.10807304523	643					und_60		SnoCo	yes
0.29367359246	644					und_60		SnoCo	yes
0.10741068512	645					und_60		SnoCo	yes
0.70430769384	646					und_60		SnoCo	yes
0.13130710615	647					und_60		SnoCo	yes
0.57989823519	648					und_60		SnoCo	yes
1.14897204603	649					und_60		SnoCo	yes
2.02219036085	650					und_60		SnoCo	yes
4.33700056459	651					und_60		SnoCo	yes
0.92143848212	652					und_60		SnoCo	yes
17.94081971220	653					und_60		SnoCo	yes
0.83141502726	654					und_60		SnoCo	yes
0.22987357624	655					und_60		SnoCo	yes
1.79637816116	656							SnoCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.53918008752	657					und_60		SnoCo	yes
0.25751096132	658					und_60		SnoCo	yes
0.10116806675	659					und_60		SnoCo	yes
0.11925806373	660					und_60		SnoCo	yes
1.09809480530	661					und_60		SnoCo	yes
0.35426895403	662					und_60		SnoCo	yes
2.58877327092	663					und_60		SnoCo	yes
3.95640848284	664					und_60		SnoCo	yes
0.67777920914	665					und_60		SnoCo	yes
3.96425172205	666					und_60		SnoCo	yes
43.51056383470	667					und_60		SnoCo	yes
7.71463697558	668					und_60		SnoCo	yes
0.10511160899	669					und_60		SnoCo	yes
0.14221527233	670					und_60		SnoCo	yes
0.41013315083	671					und_60		SnoCo	yes
0.26251652304	672					und_60		SnoCo	yes
0.13374226441	673					und_60		SnoCo	yes
3.85213150941	674					und_60		SnoCo	yes
0.91539829172	675					und_60		SnoCo	yes
0.98391892261	676					und_60		SnoCo	yes
0.15751888114	677					und_60		SnoCo	yes
6.67855637454	678					und_60		SnoCo	yes
6.13333499498	679					und_60		SnoCo	yes
0.92032040074	680					und_60		SnoCo	yes
1.47264337179	681					und_60		SnoCo	yes
0.06795681876	682					und_60		SnoCo	yes
0.19110935807	683					und_60		SnoCo	yes
0.59953518021	684					und_60		SnoCo	yes
0.24214081482	685					und_60		SnoCo	yes
2.02022048755	686					und_60		SnoCo	yes
1.03198562730	687					und_60		SnoCo	yes
0.05949622460	688					und_60		SnoCo	yes
1.55923445262	689					und_60		SnoCo	yes
1.35458908087	690					und_60		SnoCo	yes
0.90648344797	691					und_60		SnoCo	yes
0.90712395216	692					und_60		SnoCo	yes
1.36239692852	693					und_60		SnoCo	yes
4.99134899119	694					und_60		SnoCo	yes
50.51545374440	695					und_60		SnoCo	yes
2.88857181029	696					und_60		SnoCo	yes
1.39853699997	697					und_60		SnoCo	yes
0.32216427155	698					und_60		SnoCo	yes
37.14567027200	699					und_60		SnoCo	yes
0.36784164285	700					und_60		SnoCo	yes
1.32245110480	701					und_60		SnoCo	yes
2.96697474073	702					und_60		SnoCo	yes
0.52158238349	703					und_60		SnoCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
2.79600960356	704					und_60		SnoCo	yes
0.67810346964	705					und_60		SnoCo	yes
0.10937231505	706					und_60		SnoCo	yes
14.89431256540	707					und_60		SnoCo	yes
18.82349137120	708					und_60		SnoCo	yes
1.86008261866	709					und_60		SnoCo	yes
0.64029534464	710					und_60		SnoCo	yes
9.81600578197	711					und_60		SnoCo	yes
0.92446702953	712					und_60		SnoCo	yes
9.19416436424	713					und_60		SnoCo	yes
8.31033718678	714					und_60		SnoCo	yes
1.00171815743	715					und_60		SnoCo	yes
0.30774146407	716					und_60		SnoCo	yes
0.57576968449	717					und_60		SnoCo	yes
1.59285331655	718					und_60		SnoCo	yes
8.60983341340	719					und_60		SnoCo	yes
4.96273977086	720					und_60		SnoCo	yes
1.05151885029	721					und_60		SnoCo	yes
1.45341536415	722					und_60		SnoCo	yes
2.94244844367	723					und_60		SnoCo	yes
0.21346477976	724					und_60		SnoCo	yes
0.75101967631	725					und_60		SnoCo	yes
0.52918225996	726					und_60		SnoCo	yes
0.07323101613	727					und_60		SnoCo	yes
0.55861931158	728					und_60		SnoCo	yes
5.07377982137	729					und_60		SnoCo	yes
3.66374998206	730					und_60		SnoCo	yes
0.15026940341	731					und_60		SnoCo	yes
0.03648825557	732					und_60		SnoCo	yes
0.47221090220	733					und_60		SnoCo	yes
0.52636871829	734					und_60		SnoCo	yes
3.46492206167	735					und_60		SnoCo	yes
0.55351771967	736					und_60		SnoCo	yes
0.05738584768	737					und_60		SnoCo	yes
1.05804804408	738					und_60		SnoCo	yes
0.34874578900	739					und_60		SnoCo	yes
0.09907361958	740					und_60		SnoCo	yes
0.43677756801	741					und_60		SnoCo	yes
0.54261026070	742					und_60		SnoCo	yes
1.27166200356	743					und_60		SnoCo	yes
27.04730715020	744					und_60		SnoCo	yes
1.51136735035	745					und_60		SnoCo	yes
0.05867532613	746					und_60		SnoCo	yes
0.57933649908	747					und_60		SnoCo	yes
0.19662060104	748					und_60		SnoCo	yes
0.86698451131	749					und_60		SnoCo	yes
0.36482027692	750					und_60		SnoCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
5.34873946625	751					und_60		SnoCo	yes
0.22496319545	752					und_60		SnoCo	yes
1.71419138846	753					und_60		SnoCo	yes
0.37950490731	754					und_60		SnoCo	yes
0.62732728621	755					und_60		SnoCo	yes
0.17713914529	756					und_60		SnoCo	yes
0.63274344209	757					und_60		SnoCo	yes
2.01923452852	758					und_60		SnoCo	yes
1.60933980888	759					und_60		SnoCo	yes
0.09660262038	760					und_60		SnoCo	yes
0.63883085328	761					und_60		SnoCo	yes
3.05951033316	762					und_60		SnoCo	yes
0.81226229425	763					und_60		SnoCo	yes
0.18439659249	764					und_60		SnoCo	yes
1.19344447328	765					und_60		SnoCo	yes
0.22131286487	766					und_60		SnoCo	yes
0.11095688720	767					und_60		SnoCo	yes
1.31501439193	768					und_60		SnoCo	yes
0.06232354454	769					und_60		SnoCo	yes
0.17159220400	770					und_60		SnoCo	yes
0.43754564136	771					und_60		SnoCo	yes
3.19869249283	772					und_60		SnoCo	yes
2.66631397082	773					und_60		SnoCo	yes
1.60449679853	774					und_60		SnoCo	yes
0.86795355257	775					und_60		SnoCo	yes
1.72520466167	776					und_60		SnoCo	yes
0.58575659421	777					und_60		SnoCo	yes
0.03712636306	778					und_60		SnoCo	yes
16.61452673420	779					und_60		SnoCo	yes
0.87186413151	780					und_60		SnoCo	yes
153.36513514200	781					und_60		SnoCo	yes
0.85113744878	782					und_60		SnoCo	yes
106.88601790700	783					und_60		SnoCo	yes
0.94585106649	784					und_60		SnoCo	yes
2.98396686912	785					und_60		SnoCo	yes
0.13554748824	786					und_60		SnoCo	yes
0.52286354296	787					und_60		SnoCo	yes
0.05951171688	788					und_60		SnoCo	yes
0.40251913424	789					und_60		SnoCo	yes
2.90828213384	790					und_60		SnoCo	yes
1.19483352502	791					und_60		SnoCo	yes
0.38277696324	792					und_60		SnoCo	yes
0.55287296688	793					und_60		SnoCo	yes
0.14522842071	794					und_60		SnoCo	yes
60.90477492630	795					und_60		SnoCo	yes
0.95604671244	796					und_60		SnoCo	yes
8.57215108572	797					und_60		SnoCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
12.05732176510	798					und_60		SnoCo	yes
1.04607855157	799					und_60		SnoCo	yes
0.14611332659	800					und_60		SnoCo	yes
0.56147397254	801					und_60		SnoCo	yes
0.25483242396	802					und_60		SnoCo	yes
1.23042524463	803					und_60		SnoCo	yes
2.54409698935	804					und_60		SnoCo	yes
2.42735569057	805					und_60		SnoCo	yes
0.45914232711	806					und_60		SnoCo	yes
6.56900753228	807					und_60		SnoCo	yes
1.14916878530	808					und_60		SnoCo	yes
4.41325215034	809					und_60		SnoCo	yes
0.16889688060	810					und_60		SnoCo	yes
1.06400537075	811					und_60		SnoCo	yes
0.18988248981	812					und_60		SnoCo	yes
0.58885442350	813					und_60		SnoCo	yes
0.33135577106	814					und_60		SnoCo	yes
0.24923429465	815					und_60		SnoCo	yes
0.67229720185	816					und_60		SnoCo	yes
1.87593269097	817					und_60		SnoCo	yes
34.14931174200	818					und_60		SnoCo	yes
0.66106029040	819					und_60		SnoCo	yes
0.68163837078	820					und_60		SnoCo	yes
0.19324348112	821					und_60		SnoCo	yes
4.29924151013	822					und_60		SnoCo	yes
0.51506757791	823					und_60		SnoCo	yes
0.79750172765	824					und_60		SnoCo	yes
2.16932746040	825					und_60		SnoCo	yes
0.52734141328	826					und_60		SnoCo	yes
43.36893235640	827					und_60		SnoCo	yes
2.50074719568	828					und_60		SnoCo	yes
0.91473178418	829					und_60		SnoCo	yes
0.58292309229	830					und_60		SnoCo	yes
176.53314592100	831					und_60		SnoCo	yes
0.43543824481	832					und_60		SnoCo	yes
37.95212074440	833					und_60		SnoCo	yes
18.23883204980	834					und_60		SnoCo	yes
0.50602530489	835				und_50	und_60		Pierce	yes
0.51556873364	836				und_50	und_60		Pierce	yes
0.16892416222	837				und_50	und_60		Pierce	yes
0.18594451489	838				und_50	und_60		Pierce	yes
2.00576212953	839				und_50	und_60		Pierce	yes
11.82120180770	840				und_50	und_60		Pierce	yes
2.35765162190	841				und_50	und_60		Pierce	yes
0.26835312285	842				und_50	und_60		KingCo	yes
4.47156296975	843				und_50	und_60		Pierce	yes
0.42114765912	844				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.71035867783	845				und_50	und_60		Pierce	yes
0.27902238852	846				und_50	und_60		KingCo	yes
6.76113202365	847				und_50	und_60		Pierce	yes
0.37955134556	848				und_50	und_60		KingCo	yes
0.06789242955	849				und_50	und_60		KingCo	yes
0.20256513817	850				und_50	und_60		KingCo	yes
5.05062638229	851				und_50	und_60		KingCo	yes
1.81752894083	852				und_50	und_60		KingCo	yes
4.41785855845	853				und_50	und_60		KingCo	yes
1.30790938547	854				und_50	und_60		KingCo	yes
0.66913500172	855				und_50	und_60		KingCo	yes
1.73651394442	856				und_50	und_60		KingCo	yes
0.70784025999	857				und_50	und_60		KingCo	yes
0.93850666337	858				und_50	und_60		KingCo	yes
7.39654312256	859				und_50	und_60		KingCo	yes
34.07868667180	860				und_50	und_60		KingCo	yes
0.66783322400	861				und_50	und_60		KingCo	yes
2.24591676739	862				und_50	und_60		KingCo	yes
8.08050989612	863				und_50	und_60		KingCo	yes
0.44159636837	864				und_50	und_60		KingCo	yes
0.82342313677	865				und_50	und_60		KingCo	yes
1.40042065054	866				und_50	und_60		KingCo	yes
63.15762340550	867				und_50	und_60		KingCo	yes
2.56574007074	868				und_50	und_60		KingCo	yes
5.07367573261	869				und_50	und_60		KingCo	yes
0.46331021881	871				und_50	und_60		KingCo	yes
0.62840700428	872				und_50	und_60		KingCo	yes
0.38613644571	873				und_50	und_60		KingCo	yes
1.89402748407	874				und_50	und_60		KingCo	yes
9.53048523976	875				und_50	und_60		KingCo	yes
16.74367140550	876				und_50	und_60		KingCo	yes
21.84673545640	877				und_50	und_60		KingCo	yes
0.68080551524	878				und_50	und_60		KingCo	yes
0.73011261507	879				und_50	und_60		KingCo	yes
2.78020068612	880				und_50	und_60		KingCo	yes
0.47553363464	881				und_50	und_60		KingCo	yes
0.28269810936	882				und_50	und_60		KingCo	yes
3.67560971433	883				und_50	und_60		KingCo	yes
1.55223190140	884				und_50	und_60		KingCo	yes
10.37925472600	885				und_50	und_60		KingCo	yes
19.62910805770	886				und_50	und_60		KingCo	yes
1.12348076633	887				und_50	und_60		KingCo	yes
0.39785567307	888				und_50	und_60		KingCo	yes
2.29308548281	889				und_50	und_60		KingCo	yes
110.31257374300	890				und_50	und_60		KingCo	yes
0.42082816288	891				und_50	und_60		KingCo	yes
1.98809493199	892				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
12.45288719050	893				und_50	und_60		KingCo	yes
15.08938035640	894				und_50	und_60		KingCo	yes
22.46193353430	895				und_50	und_60		KingCo	yes
0.55633268050	896				und_50	und_60		KingCo	yes
3.87493365746	897				und_50	und_60		KingCo	yes
1.02813397053	898				und_50	und_60		KingCo	yes
1.13358562672	899				und_50	und_60		KingCo	yes
4.11761040562	900				und_50	und_60		KingCo	yes
3.96373107825	901				und_50	und_60		KingCo	yes
0.51781326331	902				und_50	und_60		KingCo	yes
1.82088202637	903				und_50	und_60		KingCo	yes
12.45497075760	904				und_50	und_60		KingCo	yes
16.83358596420	905				und_50	und_60		KingCo	yes
4.98894956712	906				und_50	und_60		KingCo	yes
3.79636774722	907				und_50	und_60		KingCo	yes
0.76883392103	908				und_50	und_60		KingCo	yes
15.56196893240	909				und_50	und_60		KingCo	yes
112.03159255100	910				und_50	und_60		KingCo	yes
0.49942372432	911				und_50	und_60		KingCo	yes
1.73597917441	912				und_50	und_60		KingCo	yes
0.23942648674	913				und_50	und_60		KingCo	yes
0.16375745595	914				und_50	und_60		KingCo	yes
24.39469603610	915				und_50	und_60		KingCo	yes
2.52991494433	916				und_50	und_60		KingCo	yes
0.18488611872	917				und_50	und_60		KingCo	yes
1.44971051868	918				und_50	und_60		KingCo	yes
0.15565268394	919				und_50	und_60		KingCo	yes
0.11309360394	920				und_50	und_60		KingCo	yes
0.53612168489	921				und_50	und_60		KingCo	yes
2.92108184071	923				und_50	und_60		KingCo	yes
40.70098276560	924				und_50	und_60		KingCo	yes
5.65197733256	925				und_50	und_60		KingCo	yes
0.43413755825	926				und_50	und_60		KingCo	yes
0.28910405647	927				und_50	und_60		KingCo	yes
1.60073866104	928				und_50	und_60		KingCo	yes
3.88701338140	929				und_50	und_60		KingCo	yes
2.36810553403	930				und_50	und_60		KingCo	yes
3.88205003817	931				und_50	und_60		KingCo	yes
0.40374157814	932				und_50	und_60		KingCo	yes
5.67155141328	933				und_50	und_60		KingCo	yes
46.55719656880	934				und_50	und_60		KingCo	yes
1.47679833075	935				und_50	und_60		KingCo	yes
0.22627846060	936				und_50	und_60		KingCo	yes
1.64820968033	937				und_50	und_60		KingCo	yes
4.70463487015	938				und_50	und_60		KingCo	yes
0.14815270632	939				und_50	und_60		KingCo	yes
1.51905466641	940				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
1.23109779155	941				und_50	und_60		KingCo	yes
0.58088641400	942				und_50	und_60		KingCo	yes
0.29774215020	943				und_50	und_60		KingCo	yes
14.37485594110	944				und_50	und_60		KingCo	yes
1.77263493988	945				und_50	und_60		KingCo	yes
1.87807336662	946				und_50	und_60		KingCo	yes
0.04315209826	947				und_50	und_60		KingCo	yes
34.08135751280	948				und_50	und_60		KingCo	yes
10.09053290820	949				und_50	und_60		KingCo	yes
0.64369594410	950				und_50	und_60		KingCo	yes
0.58125817967	951				und_50	und_60		KingCo	yes
0.04763819617	952				und_50	und_60	Yes	KingCo	yes
0.09859495208	953				und_50	und_60		KingCo	yes
2.06586522412	954				und_50	und_60	Yes	KingCo	yes
0.05498061596	955				und_50	und_60	Yes	KingCo	yes
0.23997513214	956				und_50	und_60	Yes	KingCo	yes
0.67009293474	957				und_50	und_60		KingCo	yes
0.58217649994	958				und_50	und_60	Yes	KingCo	yes
2.70223407297	959				und_50	und_60	Yes	KingCo	yes
0.12376870538	960				und_50	und_60		KingCo	yes
4.12662350407	961				und_50	und_60		KingCo	yes
0.85806355759	962				und_50	und_60	Yes	KingCo	yes
0.42005978263	963				und_50	und_60		KingCo	yes
0.32554194330	964				und_50	und_60		KingCo	yes
31.39342690730	965				und_50	und_60		KingCo	yes
4.99940619777	966				und_50	und_60		KingCo	yes
0.51628979468	967				und_50	und_60		KingCo	yes
3.88811586189	968				und_50	und_60		KingCo	yes
0.52647399865	969				und_50	und_60		KingCo	yes
0.88410716842	970				und_50	und_60		KingCo	yes
0.24998251664	971				und_50	und_60		KingCo	yes
24.18244574440	972				und_50	und_60		KingCo	yes
644.94696719200	973				und_50	und_60	Yes	KingCo	yes
17.10052247000	974				und_50	und_60		KingCo	yes
11.68180032280	975				und_50	und_60	Yes	KingCo	yes
0.47697158230	976				und_50	und_60		KingCo	yes
2.71652015668	977				und_50	und_60		KingCo	yes
0.04835967817	978				und_50	und_60		KingCo	yes
1.52738671373	979				und_50	und_60		KingCo	yes
0.46226788438	980				und_50	und_60		KingCo	yes
1.54730411042	981				und_50	und_60		KingCo	yes
0.74691182521	982				und_50	und_60		KingCo	yes
1.57045335543	983				und_50	und_60		KingCo	yes
0.14972794249	984				und_50	und_60		KingCo	yes
2.00592569545	985				und_50	und_60		KingCo	yes
11.09557564840	986				und_50	und_60		KingCo	yes
2.23647883422	987				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.10745167772	988				und_50	und_60		KingCo	yes
3.23110321195	989				und_50	und_60		KingCo	yes
0.65928604898	990				und_50	und_60		KingCo	yes
0.66445368070	991				und_50	und_60		KingCo	yes
0.32030116549	992				und_50	und_60		KingCo	yes
2.92742664443	993				und_50	und_60		KingCo	yes
4.03628709338	994				und_50	und_60		KingCo	yes
1.34253769054	995				und_50	und_60		KingCo	yes
1.29625698993	996				und_50	und_60		KingCo	yes
0.84607806574	997				und_50	und_60		KingCo	yes
0.08993409622	998				und_50	und_60		KingCo	yes
1.11705735193	999				und_50	und_60		KingCo	yes
8.88515695047	1000				und_50	und_60		KingCo	yes
0.64393590177	1001				und_50	und_60		KingCo	yes
0.24623244878	1002				und_50	und_60		KingCo	yes
1.52437590938	1003				und_50	und_60		KingCo	yes
10.23344013560	1004				und_50	und_60		KingCo	yes
1.82141875072	1005				und_50	und_60		KingCo	yes
4.44828508968	1006				und_50	und_60		KingCo	yes
0.40637212107	1007				und_50	und_60		KingCo	yes
1.14024175749	1008				und_50	und_60		KingCo	yes
0.73187173080	1009				und_50	und_60		KingCo	yes
0.32354192077	1010				und_50	und_60		KingCo	yes
0.80313411903	1011				und_50	und_60		KingCo	yes
0.32130707803	1012				und_50	und_60		KingCo	yes
0.30461528653	1013				und_50	und_60		KingCo	yes
3.86338890926	1014				und_50	und_60		KingCo	yes
0.11678334352	1015				und_50	und_60		KingCo	yes
5.61127987532	1016				und_50	und_60		KingCo	yes
0.21908345744	1017				und_50	und_60		KingCo	yes
2.60881402046	1018				und_50	und_60		KingCo	yes
3.47705979253	1019				und_50	und_60		KingCo	yes
1.57080105228	1020				und_50	und_60		KingCo	yes
17.39854463510	1021				und_50	und_60		KingCo	yes
0.12832649334	1022				und_50	und_60		KingCo	yes
3.19389076891	1023				und_50	und_60		KingCo	yes
3.12060376521	1024				und_50	und_60		KingCo	yes
12.24931667930	1025				und_50	und_60		KingCo	yes
0.20994437457	1026				und_50	und_60		KingCo	yes
0.45582238148	1027				und_50	und_60		KingCo	yes
0.29594701446	1028				und_50	und_60		KingCo	yes
0.82384602560	1029				und_50	und_60		KingCo	yes
0.80101014678	1030				und_50	und_60		KingCo	yes
0.02898261938	1031				und_50	und_60		KingCo	yes
2.68640185821	1032				und_50	und_60		KingCo	yes
2.78689291121	1033				und_50	und_60		KingCo	yes
37.96543052600	1034				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.27329644858	1035				und_50	und_60		KingCo	yes
7.89822802973	1036				und_50	und_60		KingCo	yes
0.29319944889	1037				und_50	und_60		KingCo	yes
0.58089749885	1038				und_50	und_60		KingCo	yes
11.67271333840	1039				und_50	und_60		KingCo	yes
2.85318122590	1040				und_50	und_60		KingCo	yes
0.09637699681	1041				und_50	und_60		KingCo	yes
39.62412705920	1042				und_50	und_60		KingCo	yes
26.39067089300	1043				und_50	und_60		KingCo	yes
5.24027394198	1044				und_50	und_60		KingCo	yes
0.95532719367	1045				und_50	und_60		KingCo	yes
0.27411808884	1046				und_50	und_60		KingCo	yes
0.66994251291	1047				und_50	und_60		KingCo	yes
2.04196585830	1048				und_50	und_60		KingCo	yes
2.72747142017	1049				und_50	und_60		KingCo	yes
0.45220478966	1050				und_50	und_60		KingCo	yes
0.10329269011	1051				und_50	und_60		KingCo	yes
0.56630400941	1052				und_50	und_60		KingCo	yes
1.93562020661	1053				und_50	und_60		KingCo	yes
0.98519255495	1054				und_50	und_60		KingCo	yes
0.31878958692	1055				und_50	und_60		KingCo	yes
0.19936721175	1056				und_50	und_60		KingCo	yes
179.86937925600	1057				und_50	und_60		KingCo	yes
0.55873707558	1058				und_50	und_60		KingCo	yes
2.90312723140	1059				und_50	und_60		KingCo	yes
4.91220641500	1060				und_50	und_60		KingCo	yes
0.24711178533	1061				und_50	und_60		KingCo	yes
1.03343654256	1062				und_50	und_60		KingCo	yes
0.08546445851	1063				und_50	und_60		KingCo	yes
0.59938938734	1064				und_50	und_60		KingCo	yes
0.29951163940	1065				und_50	und_60		KingCo	yes
4.25186190585	1066				und_50	und_60		KingCo	yes
0.92799204847	1067				und_50	und_60		KingCo	yes
0.13940570219	1068				und_50	und_60		KingCo	yes
0.19309133049	1069				und_50	und_60		KingCo	yes
1.08748504520	1070				und_50	und_60		KingCo	yes
68.68989449640	1071				und_50	und_60		KingCo	yes
2.43458818053	1072				und_50	und_60		KingCo	yes
2.60110329933	1073				und_50	und_60		KingCo	yes
0.19336742998	1074				und_50	und_60		KingCo	yes
0.20622103205	1075				und_50	und_60		KingCo	yes
1.17036533445	1076				und_50	und_60		KingCo	yes
24.25705217870	1077				und_50	und_60		KingCo	yes
0.71833463326	1078				und_50	und_60		KingCo	yes
0.71866861068	1079				und_50	und_60		KingCo	yes
0.40161197630	1080				und_50	und_60		KingCo	yes
0.21563593736	1082				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
19.55003062010	1083		Y		und_50	und_60		KingCo	
0.06656150238	1084				und_50	und_60		KingCo	yes
1.76557739569	1085				und_50	und_60		KingCo	yes
0.09842412233	1087				und_50	und_60		KingCo	yes
11.06913671890	1088				und_50	und_60		KingCo	yes
0.08549658302	1089				und_50	und_60		KingCo	yes
0.29958985408	1090				und_50	und_60		KingCo	yes
1.13422449308	1091				und_50	und_60		KingCo	yes
8.91494885517	1092				und_50	und_60		KingCo	yes
1.41194064523	1093				und_50	und_60		KingCo	yes
1.08753222810	1094				und_50	und_60		KingCo	yes
2.81002870925	1095				und_50	und_60		KingCo	yes
0.21011507246	1096				und_50	und_60		KingCo	yes
2.29927395173	1097				und_50	und_60		KingCo	yes
0.14642917815	1098				und_50	und_60		KingCo	yes
7.36122980731	1099				und_50	und_60		KingCo	yes
1.25677856204	1100				und_50	und_60		KingCo	yes
1.18375744749	1101				und_50	und_60		KingCo	yes
0.09530983026	1102				und_50	und_60		KingCo	yes
1.57692035526	1103				und_50	und_60		KingCo	yes
0.28221583620	1104				und_50	und_60		KingCo	yes
7.27837859260	1105				und_50	und_60		KingCo	yes
0.08683810678	1106				und_50	und_60		KingCo	yes
1.57988752095	1107				und_50	und_60		KingCo	yes
1.28848774406	1108				und_50	und_60		KingCo	yes
0.74101961332	1109				und_50	und_60		KingCo	yes
0.07354221978	1110				und_50	und_60		KingCo	yes
0.82049734074	1111				und_50	und_60		KingCo	yes
0.23238459280	1112				und_50	und_60		KingCo	yes
7.22310195635	1113				und_50	und_60		KingCo	yes
0.12969998536	1114				und_50	und_60		KingCo	yes
0.32989598112	1115				und_50	und_60		KingCo	yes
6.93545713527	1116				und_50	und_60		KingCo	yes
2.84219775123	1117				und_50	und_60		KingCo	yes
0.62726500316	1118				und_50	und_60		KingCo	yes
0.14941166767	1119				und_50	und_60		KingCo	yes
0.21442016744	1120				und_50	und_60		KingCo	yes
20.93073130140	1121				und_50	und_60		KingCo	yes
6.24339776056	1122				und_50	und_60		KingCo	yes
0.19929058870	1123				und_50	und_60		KingCo	yes
37.03882866520	1124				und_50	und_60		KingCo	yes
3.02128691058	1125				und_50	und_60		KingCo	yes
0.08310730558	1126				und_50	und_60		KingCo	yes
3.57022196482	1127				und_50	und_60		KingCo	yes
10.41096713840	1128				und_50	und_60		KingCo	yes
30.23436309750	1129				und_50	und_60		KingCo	yes
0.18375876263	1130				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
36.64542306560	1131				und_50	und_60		KingCo	yes
0.42055127439	1132				und_50	und_60		KingCo	yes
0.44632229726	1133				und_50	und_60		KingCo	yes
3.94909239799	1134				und_50	und_60		KingCo	yes
0.69432444157	1135				und_50	und_60		KingCo	yes
0.13849473657	1136				und_50	und_60		KingCo	yes
0.07788681761	1137				und_50	und_60		KingCo	yes
0.80510334524	1138				und_50	und_60		KingCo	yes
12.97626262540	1139				und_50	und_60		KingCo	yes
26.70543067230	1140				und_50	und_60		KingCo	yes
7.71043588642	1141				und_50	und_60		KingCo	yes
0.76291192794	1142				und_50	und_60		KingCo	yes
15.63180356020	1143				und_50	und_60		KingCo	yes
0.16914836103	1144				und_50	und_60		KingCo	yes
0.87184581612	1145				und_50	und_60		KingCo	yes
0.87636935276	1146				und_50	und_60		KingCo	yes
0.37931194588	1147				und_50	und_60		KingCo	yes
0.51346598428	1148				und_50	und_60		KingCo	yes
0.14796099834	1149				und_50	und_60		KingCo	yes
0.16448191733	1150				und_50	und_60		KingCo	yes
0.16990690355	1151				und_50	und_60		KingCo	yes
0.16090491061	1152				und_50	und_60		KingCo	yes
0.16856854870	1153				und_50	und_60		KingCo	yes
0.15964366104	1154				und_50	und_60		KingCo	yes
0.17087129046	1155				und_50	und_60		KingCo	yes
0.17325913338	1156				und_50	und_60		KingCo	yes
0.16876574179	1157				und_50	und_60		KingCo	yes
1.61252770015	1158				und_50	und_60		KingCo	yes
0.39763695779	1159				und_50	und_60		KingCo	yes
0.17302449552	1160				und_50	und_60		KingCo	yes
0.16792572644	1161				und_50	und_60		KingCo	yes
0.16579407742	1162				und_50	und_60		KingCo	yes
0.17244799156	1163				und_50	und_60		KingCo	yes
0.17563843764	1164				und_50	und_60		KingCo	yes
0.17448948304	1165				und_50	und_60		KingCo	yes
0.17197403753	1166				und_50	und_60		KingCo	yes
0.17947884642	1167				und_50	und_60		KingCo	yes
0.47831212336	1168				und_50	und_60		KingCo	yes
0.52697079919	1169				und_50	und_60		KingCo	yes
0.77290448907	1170				und_50	und_60		KingCo	yes
1.07225885015	1171				und_50	und_60		KingCo	yes
1.77996520173	1172				und_50	und_60		KingCo	yes
0.23326477545	1173				und_50	und_60		KingCo	yes
0.93845347208	1174				und_50	und_60		KingCo	yes
2.43551027663	1175				und_50	und_60		KingCo	yes
2.53076161774	1176				und_50	und_60		KingCo	yes
0.15972403854	1177				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.85461186395	1178				und_50	und_60		KingCo	yes
0.20024335242	1179				und_50	und_60		KingCo	yes
0.76060951532	1180				und_50	und_60		KingCo	yes
3.09799469625	1181				und_50	und_60		KingCo	yes
0.51616748293	1182				und_50	und_60		KingCo	yes
0.23635725666	1183				und_50	und_60		KingCo	yes
1.86013726096	1184				und_50	und_60		KingCo	yes
1.42913737115	1185				und_50	und_60		KingCo	yes
2.86541178805	1186				und_50	und_60		KingCo	yes
1.82658040619	1187				und_50	und_60		KingCo	yes
0.88240682837	1188				und_50	und_60		KingCo	yes
4.72345315771	1189				und_50	und_60		KingCo	yes
0.77134007648	1190				und_50	und_60		KingCo	yes
2.10433964733	1191				und_50	und_60		KingCo	yes
0.35575730042	1193				und_50	und_60		KingCo	yes
1.72958414959	1194				und_50	und_60		KingCo	yes
0.52230419350	1195				und_50	und_60		KingCo	yes
0.06027186453	1196				und_50	und_60		KingCo	yes
0.73851268107	1197				und_50	und_60		KingCo	yes
2.06548274392	1198				und_50	und_60		KingCo	yes
2.88797566259	1200				und_50	und_60		KingCo	yes
8.06047228033	1201				und_50	und_60		KingCo	yes
11.62504327580	1202				und_50	und_60		KingCo	yes
1.10778472667	1203				und_50	und_60		KingCo	yes
0.79181066991	1204				und_50	und_60		KingCo	yes
0.70745114053	1205				und_50	und_60		KingCo	yes
0.55970880337	1206				und_50	und_60		KingCo	yes
0.26067292112	1207				und_50	und_60		KingCo	yes
0.78109024076	1208				und_50	und_60		KingCo	yes
0.88930597767	1209				und_50	und_60		KingCo	yes
0.45195764061	1210				und_50	und_60		KingCo	yes
0.88257408216	1211				und_50	und_60		KingCo	yes
0.59883738479	1212				und_50	und_60		KingCo	yes
0.83972110379	1213				und_50	und_60		KingCo	yes
1.51993339058	1214				und_50	und_60		KingCo	yes
20.06957232910	1215				und_50	und_60		KingCo	yes
0.78365331282	1216				und_50	und_60		KingCo	yes
3.30290317536	1217				und_50	und_60		KingCo	yes
0.37374331841	1218				und_50	und_60		KingCo	yes
0.56563211719	1219				und_50	und_60		KingCo	yes
0.09800602301	1220				und_50	und_60		KingCo	yes
17.76023483330	1221				und_50	und_60		KingCo	yes
0.25624162233	1222				und_50	und_60		KingCo	yes
0.35884748034	1223				und_50	und_60		KingCo	yes
0.63968316331	1224				und_50	und_60		KingCo	yes
0.18282209768	1225				und_50	und_60		KingCo	yes
42.78841995780	1226				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.63102602158	1227				und_50	und_60		KingCo	yes
2.11627320234	1228				und_50	und_60		KingCo	yes
2.87483198778	1229				und_50	und_60		KingCo	yes
0.38336686754	1230				und_50	und_60		KingCo	yes
0.98208843822	1231				und_50	und_60		KingCo	yes
1.48727818368	1232				und_50	und_60		KingCo	yes
15.91598387900	1233				und_50	und_60		KingCo	yes
1.38458384498	1234				und_50	und_60		KingCo	yes
0.08266810965	1235				und_50	und_60		KingCo	yes
0.24602142619	1236				und_50	und_60		KingCo	yes
0.04471930426	1237				und_50	und_60		KingCo	yes
0.49912222452	1238				und_50	und_60		KingCo	yes
3.30036959912	1239				und_50	und_60		KingCo	yes
0.11650917327	1240				und_50	und_60		KingCo	yes
0.30197440743	1241				und_50	und_60		KingCo	yes
83.06148354050	1242				und_50	und_60		KingCo	yes
1.07069881729	1243				und_50	und_60		KingCo	yes
12.39392598280	1244				und_50	und_60		KingCo	yes
1.69983914558	1245				und_50	und_60		KingCo	yes
16.71322359190	1247				und_50	und_60		KingCo	yes
245.01146096800	1248				und_50	und_60		KingCo	yes
5.08724636278	1249				und_50	und_60		KingCo	yes
0.36107539916	1250				und_50	und_60		KingCo	yes
2.20126913912	1251				und_50	und_60		KingCo	yes
9.91793416954	1252				und_50	und_60		KingCo	yes
0.98470698505	1253				und_50	und_60		KingCo	yes
0.28784845615	1254				und_50	und_60		KingCo	yes
12.67793627150	1255				und_50	und_60		KingCo	yes
76.57784311270	1256				und_50	und_60		KingCo	yes
20.64082490590	1257				und_50	und_60		KingCo	yes
9.36266723872	1258				und_50	und_60		KingCo	yes
0.45651794163	1259				und_50	und_60		KingCo	yes
1.34274407584	1260				und_50	und_60		KingCo	yes
11.10518074270	1261				und_50	und_60		KingCo	yes
0.46628196783	1262				und_50	und_60		KingCo	yes
0.67979010531	1263				und_50	und_60		KingCo	yes
5.93825911372	1264				und_50	und_60		KingCo	yes
1.51336707903	1265				und_50	und_60		KingCo	yes
0.17066726383	1266				und_50	und_60		KingCo	yes
0.07844957630	1267				und_50	und_60		KingCo	yes
1.37086094496	1268				und_50	und_60		KingCo	yes
3.66694874197	1269				und_50	und_60		KingCo	yes
0.04110578412	1270				und_50	und_60		KingCo	yes
2.02601317278	1271				und_50	und_60		KingCo	yes
1.52181201116	1272				und_50	und_60		KingCo	yes
9.60654975465	1273				und_50	und_60		KingCo	yes
0.74467404887	1274				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.07968887024	1275				und_50	und_60		KingCo	yes
0.07153753114	1276				und_50	und_60		KingCo	yes
0.39873830665	1277				und_50	und_60		KingCo	yes
0.22746443196	1278				und_50	und_60		KingCo	yes
0.37478517749	1279				und_50	und_60		KingCo	yes
0.21948954000	1280				und_50	und_60		KingCo	yes
0.56017421875	1281				und_50	und_60		KingCo	yes
2.72290993457	1282				und_50	und_60		KingCo	yes
0.35850943670	1283				und_50	und_60		KingCo	yes
0.15901539586	1284				und_50	und_60		KingCo	yes
0.38571553533	1285				und_50	und_60		KingCo	yes
0.14933825628	1286				und_50	und_60		KingCo	yes
5.78020253472	1287				und_50	und_60		KingCo	yes
4.92235853320	1288				und_50	und_60		KingCo	yes
0.23269167700	1289				und_50	und_60		KingCo	yes
0.02956048281	1290				und_50	und_60		KingCo	yes
0.25844879276	1291				und_50	und_60		KingCo	yes
3.68500531566	1292				und_50	und_60		KingCo	yes
0.04018634111	1293				und_50	und_60		KingCo	yes
2.32658934372	1294				und_50	und_60		KingCo	yes
0.98918307579	1295				und_50	und_60		KingCo	yes
0.86184224948	1296				und_50	und_60		KingCo	yes
0.09279720960	1297				und_50	und_60		KingCo	yes
0.83960472380	1298				und_50	und_60		KingCo	yes
0.89122745638	1299				und_50	und_60		KingCo	yes
1.50824093262	1300				und_50	und_60		KingCo	yes
0.43524036128	1301				und_50	und_60		KingCo	yes
10.11551901520	1302				und_50	und_60		KingCo	yes
0.41731971663	1303			NO	und_50	und_60		KingCo	
0.47668131801	1304				und_50	und_60		KingCo	yes
6.58692774923	1305				und_50	und_60		KingCo	yes
0.26279552743	1306				und_50	und_60		KingCo	yes
0.20551192450	1307				und_50	und_60		KingCo	yes
1.40818821625	1308				und_50	und_60		KingCo	yes
0.32210770733	1309				und_50	und_60		KingCo	yes
0.87922954890	1311				und_50	und_60		KingCo	yes
0.47370438275	1312				und_50	und_60		KingCo	yes
0.44859640510	1313				und_50	und_60		KingCo	yes
87.41819865770	1314				und_50	und_60		KingCo	yes
9.74382478105	1315				und_50	und_60		KingCo	yes
0.91031641428	1316				und_50	und_60		KingCo	yes
1.10729862833	1317				und_50	und_60		KingCo	yes
0.43696508681	1318				und_50	und_60		KingCo	yes
0.48678132274	1319				und_50	und_60		KingCo	yes
1.28674708678	1320				und_50	und_60		KingCo	yes
0.07876982854	1321				und_50	und_60		KingCo	yes
1.42698518739	1322				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.19409925749	1323				und_50	und_60		KingCo	yes
0.21234123336	1324				und_50	und_60		KingCo	yes
0.32416777850	1325				und_50	und_60		KingCo	yes
0.38496526946	1326				und_50	und_60		KingCo	yes
2.04329360222	1327				und_50	und_60		KingCo	yes
0.60377357094	1328				und_50	und_60		KingCo	yes
349.33584565600	1329				und_50	und_60		KingCo	yes
1.26288411286	1330				und_50	und_60		KingCo	yes
0.65363929235	1331				und_50	und_60		KingCo	yes
7.65297398459	1332				und_50	und_60		KingCo	yes
2.31590264592	1333				und_50	und_60		KingCo	yes
1.03971667341	1334				und_50	und_60		KingCo	yes
1.21684298166	1335				und_50	und_60		KingCo	yes
1.12464315169	1336				und_50	und_60		KingCo	yes
2.92274225106	1337				und_50	und_60		KingCo	yes
0.93614076088	1338				und_50	und_60		KingCo	yes
2.45645363134	1340				und_50	und_60		KingCo	yes
0.72759121284	1341				und_50	und_60		KingCo	yes
2.86987529069	1342				und_50	und_60		KingCo	yes
0.52804307234	1343				und_50	und_60		KingCo	yes
5.23749211633	1344				und_50	und_60		KingCo	yes
1.68021699725	1345				und_50	und_60		KingCo	yes
3.99701767232	1346				und_50	und_60		KingCo	yes
1.41854884312	1347				und_50	und_60		KingCo	yes
0.55733997819	1348				und_50	und_60		KingCo	yes
0.51041467659	1349				und_50	und_60		KingCo	yes
8.43236232797	1350				und_50	und_60		KingCo	yes
8.92519239856	1351				und_50	und_60		KingCo	yes
0.13313140481	1352				und_50	und_60		KingCo	yes
0.18706841397	1353				und_50	und_60		KingCo	yes
12.86169675390	1354				und_50	und_60		KingCo	yes
11.42413759230	1355				und_50	und_60		KingCo	yes
8.40336016658	1356				und_50	und_60		KingCo	yes
7.17505259814	1357				und_50	und_60		KingCo	yes
70.31034634010	1358				und_50	und_60		KingCo	yes
1.30248300232	1359				und_50	und_60		KingCo	yes
0.56543727100	1360				und_50	und_60		KingCo	yes
0.12495542872	1361				und_50	und_60		KingCo	yes
0.37469893380	1362				und_50	und_60		KingCo	yes
0.50869640955	1363				und_50	und_60		KingCo	yes
3.18320400798	1364				und_50	und_60		KingCo	yes
9.33173519384	1365				und_50	und_60		KingCo	yes
0.56705680728	1366				und_50	und_60		KingCo	yes
0.20629096706	1367				und_50	und_60		KingCo	yes
27.79865869860	1368				und_50	und_60		KingCo	yes
0.06894518208	1369				und_50	und_60		KingCo	yes
0.52347906881	1370				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
0.23669003501	1371				und_50	und_60		KingCo	yes
13.75155597740	1372				und_50	und_60		KingCo	yes
1.67252900181	1373				und_50	und_60		KingCo	yes
32.04227958880	1374				und_50	und_60		KingCo	yes
0.10966009168	1375				und_50	und_60		KingCo	yes
0.09528999885	1376				und_50	und_60		KingCo	yes
0.24792797951	1377				und_50	und_60		KingCo	yes
281.80226446100	1378				und_50	und_60		KingCo	yes
0.88520326159	1379				und_50	und_60		KingCo	yes
0.37186033144	1380				und_50	und_60		KingCo	yes
17.76051870440	1381				und_50	und_60		KingCo	yes
17.03550182590	1382				und_50	und_60		KingCo	yes
1.82363635603	1383				und_50	und_60		KingCo	yes
2.83965565829	1384				und_50	und_60		KingCo	yes
13.16483328910	1385				und_50	und_60		KingCo	yes
0.32353502411	1386				und_50	und_60		KingCo	yes
0.25873682134	1387				und_50	und_60		KingCo	yes
0.15319096620	1388				und_50	und_60		KingCo	yes
1.59664668618	1389				und_50	und_60		KingCo	yes
0.44606145403	1390				und_50	und_60		KingCo	yes
0.90373045469	1391				und_50	und_60		KingCo	yes
3.42009812443	1392				und_50	und_60		KingCo	yes
14.43812208810	1393				und_50	und_60		KingCo	yes
5.41907217186	1394		Y		und_50	und_60		KingCo	
0.21417261823	1396				und_50	und_60		KingCo	yes
17.78716976630	1397				und_50	und_60		KingCo	yes
0.98849301610	1398				und_50	und_60		KingCo	yes
0.90497433999	1399				und_50	und_60		KingCo	yes
3.20555516787	1400				und_50	und_60		KingCo	yes
0.91608965321	1401				und_50	und_60		KingCo	yes
1.65412125660	1402				und_50	und_60		KingCo	yes
0.53331934559	1403				und_50	und_60		KingCo	yes
2.97370019700	1404				und_50	und_60		KingCo	yes
1.08966951245	1405				und_50	und_60		KingCo	yes
0.57261274951	1406				und_50	und_60		KingCo	yes
0.16057861542	1407				und_50	und_60		KingCo	yes
0.14880538754	1408				und_50	und_60		KingCo	yes
0.31323603019	1409				und_50	und_60		KingCo	yes
0.36900751091	1410				und_50	und_60		KingCo	yes
2.43818950628	1411				und_50	und_60		KingCo	yes
0.97639841009	1412				und_50	und_60		KingCo	yes
0.85322482467	1413				und_50	und_60		KingCo	yes
0.22759902276	1414				und_50	und_60		KingCo	yes
1.52762971160	1415				und_50	und_60		KingCo	yes
12.26430710370	1416				und_50	und_60		KingCo	yes
0.98627827149	1417				und_50	und_60		KingCo	yes
0.50143696367	1418				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
9.03812814351	1419				und_50	und_60		KingCo	yes
0.08350815599	1420				und_50	und_60		KingCo	yes
1.52925632432	1421				und_50	und_60		KingCo	yes
2.82362150927	1422				und_50	und_60		KingCo	yes
4.31339549199	1423				und_50	und_60	Yes	KingCo	yes
2.00345341626	1424				und_50	und_60		KingCo	yes
1.06038236384	1425				und_50	und_60		KingCo	yes
0.28892993988	1426				und_50	und_60		KingCo	yes
1.43638805713	1427				und_50	und_60		KingCo	yes
0.91385382174	1428				und_50	und_60		KingCo	yes
2.58418875990	1429				und_50	und_60		KingCo	yes
1.42565017720	1430				und_50	und_60		KingCo	yes
0.24790122719	1431				und_50	und_60		KingCo	yes
0.47668310778	1432				und_50	und_60		KingCo	yes
1.17152525339	1433				und_50	und_60		KingCo	yes
0.71607021838	1434				und_50	und_60		KingCo	yes
6.05369702207	1435				und_50	und_60		KingCo	yes
0.46070172119	1436				und_50	und_60		KingCo	yes
0.23713779471	1437				und_50	und_60		KingCo	yes
1.65406768294	1439				und_50	und_60		KingCo	yes
0.31760602445	1440				und_50	und_60		KingCo	yes
0.38178723643	1441				und_50	und_60		KingCo	yes
48.02885405750	1442				und_50	und_60		KingCo	yes
0.28434372274	1443				und_50	und_60		KingCo	yes
0.15688376951	1444				und_50	und_60		KingCo	yes
0.95979472222	1445				und_50	und_60		KingCo	yes
25.62691404070	1446				und_50	und_60		KingCo	yes
10.95890395100	1447				und_50	und_60		KingCo	yes
9.97321272856	1448				und_50	und_60		KingCo	yes
1.12679024076	1449				und_50	und_60		KingCo	yes
17.34735276950	1450				und_50	und_60		KingCo	yes
6.46094535354	1451				und_50	und_60		KingCo	yes
1.98660928576	1452				und_50	und_60		KingCo	yes
80.86100547650	1453				und_50	und_60		KingCo	yes
0.11423482768	1454				und_50	und_60		KingCo	yes
3.47020045512	1455				und_50	und_60		KingCo	yes
1.38981675792	1456				und_50	und_60		KingCo	yes
15.21103605070	1457				und_50	und_60		KingCo	yes
1.15955953670	1458				und_50	und_60		KingCo	yes
3.35105445234	1459				und_50	und_60		KingCo	yes
0.47381314466	1460				und_50	und_60		KingCo	yes
1.86452706325	1461				und_50	und_60		KingCo	yes
0.95771933526	1462				und_50	und_60		KingCo	yes
0.18700496743	1463				und_50	und_60		KingCo	yes
4.11392171287	1464				und_50	und_60		KingCo	yes
2.04809704904	1465				und_50	und_60		KingCo	yes
8.28179853751	1466				und_50	und_60		KingCo	yes

ACRE	ID	BOG	FORESTED	TIA_OK	TREEUNDER5	TREEUND60	APD?	COUNTY	PHASE1_OK
10.64111247140	1467				und_50	und_60		KingCo	yes
28.32239378850	1468				und_50	und_60		KingCo	yes
0.14445827781	1469				und_50	und_60		KingCo	yes
31.36312201990	1470				und_50	und_60		KingCo	yes
12.55005472950	1471				und_50	und_60		KingCo	yes
1.64509060793	1472				und_50	und_60		KingCo	yes
0.48748336562	1473				und_50	und_60		KingCo	yes
0.81642874742	1474				und_50	und_60		KingCo	yes
19.43756620180	1475					und_60		SnoCo	yes
0.64743137913	1476					und_60		SnoCo	yes
0.12272560864	1477					und_60		SnoCo	yes
9.09846825385	1478					und_60		SnoCo	yes
1.12871191546	1479					und_60		SnoCo	yes
0.60289898445	1480					und_60		SnoCo	yes
0.35373730960	1481				und_50	und_60		KingCo	yes
0.09026716526	1482					und_60		SnoCo	yes
0.62968489210	1483				und_50	und_60		KingCo	yes
0.06302109820	1484					und_60		SnoCo	yes
0.09195703871	1485					und_60		SnoCo	yes
0.93117778467	1486					und_60		SnoCo	yes
10.31169666780	1487					und_60		SnoCo	yes
1.11674253759	1488					und_60		SnoCo	yes
0.14569912305	1489					und_60		SnoCo	yes
3.72346037850	1490					und_60		SnoCo	yes
1.63247219510	1491					und_60		SnoCo	yes
5.59359619404	1492					und_60		SnoCo	yes
8.26892749326	1493					und_60		SnoCo	yes
101.22296996200	1494					und_60		SnoCo	yes