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GEOGRAPHIC VARIATION OF DESICCATION RESISTANCE IN RHAGOLETIS ZEPHYRIA (DIPTERA: TEPHRITIDAE) IN THE PACIFIC NORTHWEST: AN ADAPTIVE RESPONSE TO LOCAL BIOCLIMATE

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By

Nathan Donald Roueché

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Master's Thesis

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3 June, 2022

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A Thesis

Presented to

The Faculty of

Western Washington University

In Partial Fulfillment

of the Requirements for the Degree

Master of Science

By

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ABSTRACT

Species with broad distributions exist in heterogenous landscapes and therefore must be able to maintain key physiological processes under a variety of abiotic conditions. This can lead to localized variation in phenotypes associated with environmental cues. Atmospheric water loss is a major source of physiological stress for terrestrial insects and one which is predicted to have major implications for biodiversity under future climate scenarios. Understanding which species exhibit adaptive variation can provide crucial insights into how individual species and thus ecological communities have evolved to cope with changing climate conditions as well as inform predictions as to how they may adapt to future climates. These adaptions can also introgress into non-native congeners via hybridization and allow introduced species to become increasingly invasive.

In this study I investigate variation in desiccation resistance of larval and early pupal *Rhagoletis zephyria*, a widespread endemic species within the Pacific Northwest. The region is characterized by mesic coastal conditions west of the Cascade Range and xeric steppe and pine forests to the east, of which both eastern and western biomes are home to *R. zephyria* and its obligate plant host, *Symphoricarpos albus*. Wild-collected larvae from across the region were subjected to desiccation treatment during the early pupal life stage, with desiccation resistance assessed via weight retention following exposure. Modeling with machine learning algorithms and regional bioclimate variables demonstrated that most of the regional variation in desiccation response could be predicted by regional bioclimate, with increased weight retention in areas with increased evapotranspiration and decreased winter precipitation. This prediction was constrained to areas deemed suitable to the host plant via species distribution modeling in MaxEnt. The

modeling identified likely regions of dramatic variation in desiccation resistance along localized bioclimate gradients, suggesting that the localized selection pressure on this response is very strong and/or that the response is plastic. While this study design does not allow distinction to be made between these two forms of variation in response to climate cues, the presence of adaptive variation in response to localized desiccation stress in the evolutionarily and economically important *Rhagoletis* genus is shown here for the first time.

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This thesis is the result of ongoing research of this study system and incorporates data collected by prior graduate students as well as my own, therefore first and foremost I thank my predecessors Jennifer Hill, Christa Kohnert and Weston Staubus. Without their hard work, dedication and scientific creativity this study would not have been feasible. My gratitude to these individuals is immense. I also thank my thesis committee members Dr. Merrill Peterson and Dr. Andy Bunn. These individuals served as academic mentors before they were committee members, and their shared expertise, wisdom and advice will continue to guide me for years to come. No aspect of this thesis would be possible without Dr. Dietmar Schwarz, whose unwavering support and patience as my committee chair has been without measure.

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INTRODUCTION

Organisms exist in heterogenous landscapes, and species with broad geographic distributions may experience a particularly high degree of environmental heterogeneity. Bioclimate conditions vary spatially and temporally, thus abiotic stress is not experienced equally by populations from disparate locations or separated by time. These spatiotemporal fluctuations can select for adaptively plastic phenotypes or local adaptations when the associated increase in fitness is great enough and/or the homogenizing effects of gene flow are overcome (reviewed in Kawecki & Ebert, 2004; Sommer, 2020). These phenotypic responses to environmental conditions can play important evolutionary and ecological roles such as *i*) increased realization of a species' fundamental niche or fundamental niche expansion (e.g. Svanbäck & Schluter, 2012); *ii*) population resiliency and/or rapid adaptation in the presence of changing conditions (e.g. Aitken et al., 2008; Kellermann et al., 2009, 2020); and *iii*) as a source of novel traits for closely related taxa via hybrid introgression (e.g. Lewontin & Birch, 1966; Hamilton & Miller, 2016). Instances of the latter case are particularly pronounced for alien invasive species (Schierenbeck & Ellstrand, 2009), as many introduced populations arrive in novel locales with depleted standing genetic variation (Nei et al., 1975; Lee, 2002) and often in environmental conditions previously not experienced in the species' evolution.

Continuously varying phenotypes often exhibit cogradient variation with the environmental condition exerting the selection pressure on a given trait, a phenomenon which has long been appreciated by naturalists (e.g. Bergman, 1847; reviewed in Conover et al., 2009). Less investigated but perhaps of greater prevalence and evolutionary significance is the opposite pattern, known as countergradient variation, wherein no phenotypic variation is observable under natural conditions due to the stabilizing effect of the underlying genetic variation or plasticity

resulting in phenotypic stasis under varying conditions (Levins, 1969; Conover & Schultz, 1995; Conover et al., 2009). Unlike cogradient variation, countergradient variation must be assessed experimentally in laboratory manipulations.

Phenotypic variation in response to environmental variation can be either due to local adaptation if the genetic traits are canalized and optimum phenotypes under one condition experience decreased fitness under alternate conditions (Williams, 1966, as cited in Kawecki & Ebert, 2004) or due to plasticity if one genotype can produce multiple phenotypes when exposed to varying environmental cues (West-Eberhard, 1989). Either can exhibit cogradient or countergradient patterns of variation, with the phenotypic response to varying environmental cues either shifting the population mean toward a new optimum (cogradient) or by compensating to maintain a stable phenotypic mean for a population under differing conditions (countergradient) (reviewed in Ghalambor et al., 2007). Countergradient variation is thought to exist primarily as an evolved means of compensating for spatially or temporally heterogenous environments (Conover & Schultz, 1995) and generally for traits which have an optimum condition regardless of environmental cues (Grether, 2005). In highly dynamic environments, countergradient plasticity can serve to maintain key physiological functions without being diluted by gene flow or bound by canalized responses selected for under alternate conditions, as the plastic response itself is the trait being selected for and inherited rather than a specific phenotype as in local adaptation. As such, this stabilizing plasticity in response to climate can be the result of adaptation to stressful environments.

A common abiotic stressor experienced by terrestrial organisms is atmospheric desiccation. Various physiological responses can facilitate the bodily retention of water in a dehydrating environment, known as desiccation resistance. Among animals, insects are

particularly prone to desiccation stress as they possess relatively small body sizes and thus high surface area to volume ratios which are inherently prone to desiccation (Chown et al., 2011; Gibbs, 2011; Tejeda et al., 2016). Furthermore, many species undergo complete metamorphosis wherein physiology, behavior, and exposure to the environment can vary dramatically across developmental stages and therefore experience and respond to desiccation differently. The bulk of research investigating how insect species respond and adapt to varying desiccation conditions has focused on adult stages (Chown et al., 2011); however larval stages are often more susceptible to atmospheric water loss than adults and may have reduced capabilities for mitigating this loss behaviorally (Woods & Harrison, 2001), particularly when life history dictates an obligate dependency on a fixed larval resource .

Desiccating conditions vary spatially in heterogenous landscapes, and the benefits of desiccation resistance come at costs to other physiological processes (e.g. Tejeda et al., 2016; Chown & Nicolson, 2004 as cited by Chown et al., 2011). Therefore many broadly distributed terrestrial insects exhibit phenotypic plasticity in desiccation resistance; however, the mechanisms employed in accomplishing this plasticity are far from universal and the responses and underlying traits can vary even between closely related species (Gibbs et al., 2003). This crucial role in niche occupancy and thus partitioning amongst similarly functioning ecological species makes the study of variation in desiccation resistance of paramount importance, particularly when adaptive and/or plastic responses to stress underlie the resiliency or susceptibility of individual species and populations to changing conditions. The importance of a species' response to desiccation stress can have both ecological impacts and significant economic consequences when the species in question effects agricultural systems (reviewed in Sharma, 2014), whether beneficial (i.e.: pollinators, natural enemy of pest species, etc.) or

detrimental to crop productivity (i.e.: native or nonnative pest species). As bioclimatic conditions continue to change due to anthropogenic influences, understanding how species have coped with varying conditions in their evolutionary pasts can allow inferences to be made as to how they may fare under uncertain and shifting future climate regimes and potentially maintain their necessary symbiotic relationships and functional community roles (Kellermann et al., 2020).

Many insects are internal parasites of plants during the larval stage and may only briefly be exposed to desiccating conditions outside of the relatively stable high humidity of the host environment. For any host-obligate organism, selection may favor adaptation to the range of abiotic conditions confronted by the exposed life stage in order to maximize the parasite's occupancy of the host's realized niche. As changing global conditions disrupt comparatively stable prior bioclimate regimes with increasingly frequent extreme events and shifting phenological cues (IPCC, 2007), the continued ability of some parasitic species to maintain their obligate symbioses may depend on their capacity for adaptation and/or plasticity in response to novel conditions (Aleuy & Kutz, 2020). While the role of the unique host environment in shaping the evolution of insect endoparasites has long been studied (e.g. Feder et al., 1988; reviewed in Harrison et al., 2022), the manner in which these species adapt to the external conditions occupied by the host has been largely uninvestigated. Host-parasite systems account for a staggering amount of biodiversity and often exhibit complex co-evolved traits and behaviors. As such, the ability or inability of populations of parasitic insect species to respond to changing bioclimatic regimes in the adaptive pursuit of their hosts will likely have important implications for ecosystem functionality and ultimately global human health in both the near and distant future (Hatcher et al., 2012; Preston et al., 2016).

The snowberry fly (*Rhagoletis zephyria* Snow, 1894 | Tephritidae) is a univoltine obligate parasite of the fruits of its host, the common snowberry (*Symphoricarpos albus* var. *laevigatus*, (Linnaeus) S.F. Blake 1914 | Caprifoliaceae), hereafter referred to as *S. albus*. *R. zephyria* will also infest *S. albus* var. *albus* in eastern North America where the fly has been introduced, as both subspecies of *S. albus* have been widely introduced beyond their historic endemic ranges. Adult fly eclosion exhibits synchronous phenology with the development of the host fruits (Bush, 1969), with courtship, copulation and oviposition all taking place on the developing fruit. Eggs are deposited beneath the outer membrane of the fruit and larval development takes place entirely within the flesh of the fruit, shielding the larvae from external desiccation stress. Larvae egress in late summer and early autumn and immediately seek shelter in the soil surface prior to pupariation. This process, referred to as the wandering larval stage, takes less than 24 hours. Sclerotization, the hardening of the puparium, takes place in the following 24-48 hours, with a brief nonmotile but unsclerotized transition from larvae to pupae known as the barreled stage existing between. Pupation occurs in the subsequent 5 to 7 days. Post-pupation individuals immediately enter a winter diapause during which metabolic activity is greatly reduced, subsequently emerging as adults the following summer in temporal synchrony with the developing host fruits. Due to the exposure of the malleable larval membrane and the unsclerotized membrane of the barreled stage, the vulnerable wandering larval and early pupal life stages are surmised to be the most vulnerable to atmospheric desiccation (Yee, 2013a, 2013b).

Phylogenetic analysis suggests *R. zephyria* is a comparatively recently diverged member of a clade of very closely related *Rhagoletis* flies known collectively as the "*Rhagoletis pomonella* species complex" (RP-SC) after the most prominent member of the clade, *Rhagoletis*

pomenella (Walsh 1867) (Berlocher, 2000; Feder et al., 2003; Xie et al., 2008). An agricultural pest of domestic apples (*Malus pumila* Mill. 1768 | Rosaceae), the evolutionary shift to this nonnative host plant by *R. pomonella* serves as the model system for sympatric speciation (Berlocher & Feder, 2002). The RP-SC originated in the highlands of central Mexico during the Pleistocene and was associated with fall-fruiting members of the genus *Crataegus* (Rosaceae) (Feder et al., 2003). The flies spread northward after glacial retreat and underwent numerous speciation events associated with shifts to novel host fruit species, resulting in five described species inhabiting eastern North America, an ancestral population of *R. pomonella* in central Mexico, and *R. zephyria* as the sole member of the RP-SC exclusively endemic to western North America (Bush, 1969; Feder et al., 2003; Xie et al., 2008). The endemic range of *R. zephyria* along the Pacific coast and intermountain west is a pronouncedly more heterogenous landscape, both geophysically and bioclimatically, than the comparatively gradual transitions of the overlapping ranges of the additional members of the RP-SC to the east, suggesting that *R. zephyria* may have had to develop physiological means for localized responses to spatially dynamic abiotic conditions.

An introduced population of apple-infesting *R. pomonella* was detected near Portland, Oregon, in 1979 and was soon determined to have established throughout the western portions of Oregon and neighboring Washington state (AliNiazee & Brunner, 1986; AliNiazee & Penrose, 1981). The region's biomes are starkly divided by the Cascade Range, with mesic coastal conditions to the west and xeric shrub steppe and pine forests to the east (Siler et al., 2013). The eastern foothills of the range in Washington are home to a globally significant commercial apple orchard industry worth US$2.25 billion in annual local economy (*National Agricultural Statistics Service*, 2016) and the prevention of apple-infesting *R. pomonella* from spreading into the region

is the focus of strict detection, prevention, and quarantine measures (WSDA, 2014). In addition to pest management strategies, the spread of the species appears to be curtailed at least in part by aridity (Yee et al., 2012). While the apple-infesting invasive, *R. pomonella*, has been largely confined to the temperate climates of the coastal lowlands (Yee et al., 2012; Hood et al., 2013; Wakie et al., 2019), its closely related endemic congener *R. zephyria* is found throughout the region in a broad range of habitats, as its obligate host *S. albus* is nearly ubiquitous in all communities in the region excluding the alpine/subalpine and desert basins. The two congeners are known to hybridize in regions of sympatry (Feder et al., 1999; Green et al., 2013) with subsequent unidirectional flow of *R. zephyria* genes introgressing into *R. pomonella* populations (Yee & Goughnour, 2011; Arcella et al., 2015). This introgression suggests the potential for traits conferring desiccation resistance, gained from *R. zephyria*, enabling *R. pomonella* to evolve the ability to establish and persist in the drier Inland Northwest.

Prior investigations carried out in the Schwarz lab at Western Washington University have examined evidence for adaptations shaped by selection under local conditions within the endemic *R. zephyria* population and the ability of such traits to introgress into the economically significant invasive apple-infesting *R. pomonella*. Using wild-reared flies collected from five field locations spanning an approximate longitudinal transect across the Cascade Range and subjecting emergent larvae and early pupae to desiccation treatment, Hill (2016) demonstrated that the proportion of initial weight retained (PWR) following desiccation was a significant predictor of adult fly eclosion in both species, and that PWR in *R. zephyria* varied by location along a gradient of seasonal temperature and precipitation norms. These findings demonstrated increasing PWR along a gradient of increasing summer temperature and decreasing precipitation, suggesting countergradient variation with aridity. Using similar collection and treatment

methods, Staubus (2021) showed that the desiccation resistance of F1 hybrids between the two species was intermediate to that of *R. zephyria* and *R. pomonella*, demonstrating that there is a genetic basis for phenotypic trait differences between the two species; however, was unable to determine if F1 individuals with paternal *R. zephyria* from mesic (Bellingham, WA) or xeric (Yakima, WA) source populations expressed differing levels of response. The findings of the studies of Hill (2016) and Staubus (2021) agreed upon two key points: *i*) *R. zephyria* possesses greater capacity for desiccation resistance than the invasive *R. pomonella* population, and *ii*) variation in this response exists within *R. zephyria* from differing source populations, albeit to a much lesser degree than the across-species variation seen between *R. pomonella* and *R. zephyria* (Hill, 2016; Staubus, 2021).

In this study I investigate the geographic variation of desiccation resistance in the endemic *Rhagoletis zephyria* in the Pacific Northwest. I expand upon the coarse patterns of countergradient variation with climate detected by Hill (2016) by increasing both the spatial coverage and depth of field collections, while greatly expanding the number and precision of bioclimatic predictors used in desiccation model fitting. I determine if observed regional variation in desiccation resistance can be explained by variation in local bioclimate and identify which, if any, abiotic conditions exert the strongest influence on the variation. Unlike the previous on this system, this study also estimates the natural geographic distribution of the host plant *S. albus* var. *laevigatus*, allowing for comparisons between the abiotic niche of the host and the phenotypic variation of the parasite. Such comparisons improve our understanding of how variation in desiccation resistance may allow *R. zephyria* to more fully exploit the realized niche of its regionally widespread host. Taken together, this study provides insights into how *R. zephyria* is able to occupy such a broad abiotic niche across varying bioclimate regimes in the

adaptive pursuit of *S. albus*, and highlights regions of geographically proximal desiccation response variation which could serve as informative source populations for future studies on this system.

MATERIALS AND METHODS

Addressing my questions regarding the geographic variation in desiccation resistance in *Rhagoletis zephyria* within its range in the study area and comparing this response to the abiotic niche of the host plant, *Symphoricarpos albus*, required a two-fold approach. To determine the geographic distribution of the host plant and thus the range of the host-obligate insect required the creation of a species distribution model from publicly available herbaria records and bioclimate predictor data. Illustrating the patterns of geographic variation in desiccation resistance in *R. zephyria* required field collections of larval flies from locations throughout the Pacific Northwest and controlled laboratory desiccation treatments to assess water weight retention, followed by model fitting with bioclimatic predictor variables.

As *R. zephyria* is an obligate fruit parasite of *S. albus* in the Pacific Northwest, an abiotic distribution model of the host *S. albus* is a baseline starting point for estimating a mechanistic distribution model of the parasite. Georeferenced herbarium records are widely available for this task and *S. albus* is an easily documented species, whereas records of occurrence for *R. zephyria* are scant and it is nearly morphologically indistinguishable from other members of the RP-SC (Yee et al., 2009, 2011). While *R. zephyria* may be absent in locations where its host plant is present, it can be said with fair certainty that anywhere *S. albus* cannot persist in the Pacific Northwest will not support a population of *R. zephyria.*

For the desiccation study on naturally occurring *R. zephyria* I employed a collection method and desiccation assay previously developed in the Schwarz lab for assessing desiccation response (described below). For statistical analysis I employed a suite of machine learning algorithms rather than linear models as my goal was detecting patterns in phenotypic variation rather than determining predictor coefficients. Physiological responses to bioclimate may be non-linear and potentially involve complex interactions between climate variables, a condition which can confound linear models but which machine learning algorithms have shown adept utility at detecting and incorporating into predictions. The benefit of this approach is capturing a potentially complex pattern, the cost is the loss of clearly interpretable quantitative relationships between response and predictors.

Species Distribution Model of the Host Plant, *Symphoricarpos albus*

To constrain the desiccation resistance prediction to areas inhabited by *Rhagoletis zephyria*, I created a climatological species distribution model (SDM) of the native distribution of its host plant *Symphoricarpos albus* var. *laevigatus*. I created the SDM using available herbaria records, downscaled bioclimatic data and MaxEnt distribution modeling software. MaxEnt (Phillips et al., 2006) has been widely used to model the distributions of a diverse range of species using bioclimatic predictors and provides accurate results when true absence data is unavailable, as is often the case with species occurrence records. Instead, MaxEnt incorporates randomly generated pseudo-absence or background points in lieu of documented absences. It is important to note that the interpretation of SDM results is limited to the influence of the type of predictors provided (Franklin, 2009), i.e. abiotic predictors will fail to accurately assess the role of biotic interactions on species distribution and annual climate means may fail to capture the

influence of monthly fluctuations and phenology. In this case, I was primarily interested in the role of regional bioclimate norms on the distribution of *S. albus* and selected a predictor data set designed for this type of analysis.

Herbarium records representing the documented presence of *S. albus* within the endemic range were acquired via multiple herbaria (summarized in Table 1, full records in Appendix Table 1). All records were passed through a series of selection criteria (detailed below and in Figure 1) prior to distribution model fitting. Many records did not distinguish between *S. albus* var. *laevigatus* and var. *albus* and those that did tended to be clustered geographically due to the efforts of individual collectors, therefore I used all *S. albus* records within the described approximate endemic range of *S. albus* var. *laevigatus*. Records lacking geographic coordinates or containing coordinates with unacceptably low resolution or reported accuracy (> 3 kilometers) were discarded from analysis. I defined unacceptably low resolution as coordinates which were only reported to the nearest tenth degree latitude or longitude. Most of the available records did not have accuracy reported and excluding such records, which tended to be clustered regionally by herbaria, would have likely resulted in a spatially biased model. Instead, I conducted records review to detect records with suspected errant locations. *S. albus* has been widely introduced outside of its endemic range as an ornamental landscaping shrub (Gilbert, 1995; McWilliams, 2000) and not all records indicated whether the documented presence was naturalized or under cultivation, a condition which would confound a model seeking to provide insight into the natural bioclimatic niche. In order to preclude this spurious influence, I removed all records falling outside a 200-kilometer buffered convex hull of points within the approximate endemic range in western North America (as *Symphoricarpos rivularis* (Suksd.) in Jones, 1940). While the inclusion of naturalized introduced populations into distribution modeling can provide

valuable information for determining a species' theoretical niche, in this instance I chose to omit these populations from my model as the inability to determine whether populations were naturalized or under cultivation and not in a state of positive population growth would be detrimental to my model and subsequent interpretation. Within the endemic range, I reviewed the location of presence records against satellite imagery base maps in ArcGIS Pro v.2.8.3 (Esri, 2021) and removed records likely to be individuals or populations of *S. albus* under cultivation or with spurious locations from further analysis. Examples of such records were those occurring in urban parks and gardens, locations in human altered landscapes far from naturally occurring records, coordinates associated with county or state centroids, coordinates located in bodies of water, etc. I then spatially thinned the records to remove duplicates and reduce sampling biases such as proximity to roads, varying human population densities and jurisdictional boundaries (Kramer-Schadt et al., 2013), with thinning parameters set to 10km, 25km, 50km and 100km using package spThin (Aiello-Lammens et al., 2015) in R (R Core Team, 2020). Selection of the optimum thinning distance was based on establishing a balance between number of points retained for modeling power and the removal of jurisdictional sampling bias, with emphasis on establishing equivalent record densities across the jurisdictional boundaries of states and nations.

I accessed downscaled raster data sets of bioclimatic predictors (Table 2) from ClimateNA (AdaptWest Project, 2015; Wang et al., 2016) representing the annual norms from 1980 to 2010 for North America at approximately 1km resolution. I excluded MAR (mean annual radiation) from analysis due to incomplete coverage in the endemic range of common snowberry while retaining all 26 remaining predictors. These raster layers were available in a Lambert Conformal Conic projection which would create a latitudinal bias in the placement of pseudo-absences in MaxEnt and distort the model, therefore I reprojected the data into an Albers

Equal Area projection with 1km pixel resolution via bilinear interpolation for continuous data. I extracted pixel values of all 26 bioclimatic predictors to the thinned presence points and assessed multicollinearity of potential modeling predictors via correlation matrices. While MaxEnt is robust to predictor multicollinearity, highly correlated variables can confound the interpretation of influence of specific conditions on the species' niche (reviewed in Dormann et al., 2013). As this is the primary process I am seeking to investigate, the assessment of predictor multicollinearity was relevant. Conversely, including multicollinear variables in the model fitting process can be beneficial when the model is projected into time or space outside of the training area where current collinearity may be reduced or absent or when direct causal relationships between individual predictors and target species physiology are ambiguous (Braunisch et al., 2013). As such I followed the recommended approach put forward in Braunisch et al. (2013) and reviewed collinear variables and retained those which, though collinear, represented distinct climate conditions (e.g., cooler temperatures and increased precipitation) and reducing collinear groups of similar predictors (e.g., degree days above zero and length of frost-free period) to a single variable.

Within MaxEnt, I used default settings whenever possible as these defaults have been established based on iterations of various species with established and well-documented ranges and for which true absence datasets have been used for validation (Philips, 2006; Phillips & Dudík, 2008). Using the defaults is the recommendation of the developers whenever expert knowledge of the focal species that would justify adjustment of parameters is not available (Phillips & Dudík, 2008). I incorporated linear, quadratic, product and hinge features into my model while excluding threshold features as these are the recommended default settings and the latter should only be used when physiological thresholds are known, of which no published

values are available for *S. albus*. Extrapolation to bioclimate conditions not found during training was prevented via multivariate environmental similarity surface (MESS) analysis (Elith et al., 2010) and the default species prevalence of 0.5 was retained. The maximum number of iterations was set to 500 with a convergence threshold of 0.00001. Ten-fold cross validation was performed with 10,000 background (pseudo-absence) points. Since I removed all presence records beyond a 200-kilometer buffered convex hull from analysis, I restricted the placement of background points to within the same extent by cropping the input bioclimate predictors with the convex hull. The placement of background points within this reduced area around the endemic range may provide a more accurate assessment of the bioclimatic conditions that have prevented the establishment of *S. albus* to regions which remain uncolonized due to the lack of suitable conditions rather than the species' dispersal limitations. For all analyses in MaxEnt I specified the output type as cloglog [cumulative(log(log(x)))] for ease of interpretation and selected maximum total sensitivity plus specificity (MaxTSS) as the threshold for binary suitable/unsuitable SDM. MaxTSS was selected as areas deemed unsuitable for *S. albus* and areas deemed suitable are equally important for addressing my questions (Manel et al., 2001; Jiménez-Valverde, 2014) . Overall SDM performance was assessed using the area under the curve (AUC) of the receiver operating condition (ROC), a threshold-independent measure of both sensitivity and specificity in classification of presence and pseudo-absence points (Hanley & McNeil, 1982; Fielding & Bell, 1997).

Rhagoletis zephyria **Desiccation Study**

Rhagoletis zephyria field collections of natural populations took place throughout Washington state and northern Oregon between 2015 and 2020 (Table 3). Ripened *Symphoricarpos albus* fruit was collected from 48 locations overall during mid-August through

late September each year so that *R. zephyria* larvae would be present in the fruit. Collections ranged in size from approximately 0.5 to 1.5 gallons depending on fruit abundance in each location. Collected fruit was transported to the Schwarz lab at Western Washington University in open 1 gallon Ziploc bags within coolers with lids kept ajar to allow air flow and to shield the fruit and the larvae within from sudden temperature fluctuations during transport. Fruit was spread across hardware cloth with 5mm mesh size suspended over plastic tubs, with one tub per collection site in the lab kept at ambient room temperature and humidity with a natural light cycle. Emergent larvae were collected from the tubs each morning, generally between 0800H and 1000H PDT. Motile larvae and larvae in the pre-barreled stage (characterized by being nonmotile yet lightly colored and malleable when gently prodded) were collected for treatment. *R. zephyria* larvae enter the barreled stage within ten hours of egressing from the host fruit and therefore, to limit the amount of exposure to ambient conditions treatment specimens experienced, hardened pupae were not collected and were excluded from treatment and analyses. Individual larvae were placed in pre-weighed 0.67mL microfuge tubes with two approximately 1mm diameter ventilation holes near the top of the tubes. Total pre-treatment weights of tubes containing larvae were recorded immediately prior to placement in desiccation treatment. All collection and initial weighing of larvae were conducted before 1200H PDT each day to minimize the exposure of larvae to ambient laboratory conditions following egression from the fruit. Collection continued daily for each location group until roughly 100 larvae were collected per site or until larval emergence was exhausted, depending on whichever occurred first.

Desiccation treatment took place within a constant temperature incubator set to 22˚ C and a 16:8 light:dark cycle during years 2014-15 and 14:10 during years 2017-2020. Larvae within their respective tubes were placed in an inner sealed chamber containing a saturated salt solution

of K_2CO_3 to maintain a constant relative humidity of 43%. Chambers were opened daily for the placement of new daily collections into treatment. Fluctuations in humidity were monitored via iButtons for the first few years of the experiment; fluctuations due to daily placement of new treatment groups were found to be small (5% increase) and to return to the target level (43%RH) within three hours. All puparia were kept in desiccation treatment for 8 days, at which point weight loss due to desiccation was determined to have been completed (Hill, 2016). On Day 8 of treatment, specimens were removed from treatment and the total post-treatment mass of tubes and puparia were measured and recorded in the laboratory. Specimens were immediately placed in a freezer after weighing and held at -20˚ C until dissection. The proportion of initial weight retained following desiccation treatment (PWR) was used to represent desiccation resistance, with higher PWR corresponding to higher levels of resistance and lower PWR representing low desiccation resistance. PWR was calculated as:

$$(\text{Final total weight} - \text{Tube weight}) \times (\text{Initial total weight} - \text{Tube weight})^{-1}$$

Due to the frequent parasitization of *R. zephyria* larvae by Hymenopteran parasitoids within the genera *Opius* (Braconidae) and *Utetes* (Braconidae) (Wharton & Marsh, 1978; AliNiazee, 1985; Forbes, 2008; Feder & Forbes, 2010), dissections of post-treatment pupae were performed to ensure that geographic patterns of desiccation resistance were not confounded by varying prevalence of parasitoids within collection sites. Dissected pupae were assigned to three classifications: *i*) non-parasitized, successfully developing pupae, *ii*) larval parasitoid present, and *iii*) pupae which contained unidentifiable contents or larvae which failed to pupariate, with both scenarios being considered a pupariation failure. It is important to note that pupariation failure does not preclude the presence of parasitoids, consequently only those specimens which were found to be successfully developing flies were used for analysis of desiccation resistance.

Failure to successfully pupariate could also be due to desiccation stress and is a definite source of possible bias, potentially leading to the underestimation of the effect of desiccation on certain populations in this study if large numbers of individuals failed to pupariate due to our treatment.

Following final desiccation treatment and dissections in 2020, 12 non-parasitized developing flies were randomly selected from each sample location group to provide equivalent sample sizes and allow assessment of potential spatial clustering of variances. The mean PWR was calculated for each of these groups and these group means were used for spatial analysis of desiccation resistance variation in response to local climate conditions and geographic proximity within the study area. ClimateNA bioclimate data were used as predictor variables (Wang et al., 2016). As in the *S. albus* distribution model, MAR was excluded due to incomplete coverage in the study area. All remaining annual bioclimate norm variables were included in analysis (Table 2).

Model fitting of PWR and bioclimate predictors was performed via four machine learning algorithms using the caret package (Kuhn, 2021) in R (R Core Team, 2020). The four candidate models assessed were *i*) neural networks (package "neuralnet"; Fritsch et al., 2019), *ii*) multivariate adaptive regression splines (package "earth"; Milborrow, 2021), *iii*) random forests (package "ranger"; Wright & Ziegler, 2017) and *iv*) generalized boosted regressions (package "gbm"; Greenwell et al., 2020). Each candidate algorithm was parameterized via a tuning grid (Appendix Table 5) with candidate model selected via comparison of RMSE, MAE and R-squared following tenfold cross-validation. Bioclimate variable importance on the final candidate model was assessed via contribution only. Due to the high degree of multicollinearity among predictors, assessing variable importance via permutation would invariably result in spurious patterns based on collinear clusters of predictors rather than actual influence on prediction and

was therefore not assessed. Permuting a comparatively non-influential variable with no correlates could receive a high importance value regardless of its actual predictive power. Spatial autocorrelation of mean PWR and model residuals was also assessed in the final candidate model via semivariogram to ensure that the model adequately accounted for the geographic patterns in desiccation resistance present in the response data, as significant spatial autocorrelation present in both the desiccation response and the model residuals would be indicative of a model which failed to adequately capture the variation in desiccation resistance.

RESULTS

Species Distribution Model of the Host Plant *Symphoricarpos albus*

4,236 georeferenced records of *Symphoricarpos albus* were accessed from five sources covering the endemic range of the subspecies *S. albus* var. *laevigatus*, with 1,442 of these records being used for distribution modeling of the species following review of record information and location data (summarized in Table 1). Following removal of records outside of a 200km buffered convex hull around recorded locations within the surmised endemic range and assessment of spatial thinning of records, 235 records at 50km thinning were retained for modeling in MaxEnt (Figure 2, individual records in Appendix Table 2) after visual review of point density along bureaucratic boundaries, with particular attention paid to balancing point density along the US/Canadian border (Appendix Figure 1). 17 of 26 candidate bioclimate predictors were retained (Table 2) following assessment of multicollinearity, with nine predictors dropped from distribution model fitting due to exhibiting correlation coefficients greater than 0.80 and being deemed as likely non-influential on the distribution of *S. albus* in comparison to the variables with which correlation was high (Figure 3).

Following tenfold cross-validation with 500 iterations each and ~10,211 pseudo-absence points, the average test AUC of the ROC for the replicate runs was 0.826 with standard deviation of 0.034 (Figure 4). Review of the jackknife plot for AUC showed annual heat moisture index (AHM), winter precipitation (PPT_wt) and average summer temperature (Tave_sm) as being the most influential bioclimate predictors of *S. albus* distribution (Figure 5), as was the case for jackknife analyses of training gain and test gain (Appendix Figures 2 & 3). The AHM response curve was skewed towards the lower limit encountered in the training area (Appendix Figures 4 & 5), suggesting summer evapotranspiration stress prevents *S. albus* occupancy in the more arid portions of the training area. PPT_wt and Hargreaves's climate moisture deficit (CMD) were the two most influential variables on the distribution model, respectively, according to variable importance analysis (Figure 6), with CMD having a much higher permutation value than the comparatively low value for PPT_wt. Permutation values are a measure of the degree of change imparted on the model when each predictor is randomized individually while all others held true, thus changes to CMD exerted a much stronger influence on the modeled bioclimate suitability than PPT_wt. These assessments of variable importance should both be interpreted with caution when any collinearity in predictors is present, as is the case here. Both variables have complete yet skewed response curves when all other variables are withheld (Appendix Figures 7 & 9), however the inclusion of all other variables results in a partial response curve centered on the lower boundary of the variable, indicating that the lower limit of *S. albus* for either condition may or may not be represented in the training area when measured in conjunction with additional bioclimate conditions (Appendix Figures 6 & 8).

Projection of the distribution model beyond the bounds of the training area to the rest of North America illustrates the regions around the Great Lakes and northern Appalachia through

coastal Atlantic Canada as being suitable habitat for *S. albus*, as well as high elevation regions of the Sierra Madre Occidental mountains of México (Figure 7). Using the returned maximum total training sensitivity – specificity threshold of 0.3787 further illustrates these suitable locations as binary suitable and unsuitable regions for the target species (Figure 8), although model uncertainty is at its highest in the eastern North American and Méxican locations (Figure 9).

Rhagoletis zephyria Desiccation Study

I collected and placed 3,762 egressing *R. zephyria* larvae from 57 locations in Washington and northern Oregon in desiccation treatment (Table 3). Nine location samples were removed from analysis due to inadequate numbers of individuals overall or inadequate numbers, of non-parasitized developing adult flies and four location samples were removed due to inconsistencies in treated specimen dissection protocols. Of the remaining 44 sampled locations mean PWR from the twelve randomly selected successfully developing adult flies ranged from a low of 0.666 (Birdsview, Skagit County, WA) to a high of 0.782 (Grand Coulee, Lincoln County, WA) (Figure 10). The values showed a general pattern of lower mean PWR west of the Cascade Range and higher PWR to the more arid east. Sample collections from locally drier portions of western Washington on or near Whidbey Island (Ebey's Landing, Port Townsend, and Coupeville) were more similar to values expressed by collections from the eastern foothills of the Cascades, as was the sample from Vancouver, WA. Within the samples from the eastern portion of the study area interregional trends illustrated a general tendency for PWR to vary inversely with elevation, as the samples collected from the Columbia Basin exhibited higher PWR than those from the foothills and montane forests. These variations in PWR among closely situated populations suggest a local response of desiccation resistance to bioclimate, as this

pattern was exhibited in both eastern and western portions of the study area when strong bioclimate gradients existed between collection locations.

Of the four parameterized candidate PWR models, a generalized boosted regressions model (GBM) with interaction depth of 1 (no interaction), shrinkage factor of 0.01 and 350 boosting iterations (Appendix Figure 10) was selected as the best-performing candidate model based on fit diagnostics following tenfold cross validation as this candidate displayed higher R-squared (0.573) and lower RMSE (0.0181) and MAE (0.0149) values than the other candidate models (Figure 11). The candidate GBM importance plot of variable contribution illustrates the strong reliance on Hargreave's climate moisture deficit (calculated as CMD = Reference Evaporation – Precipitation with minimum CMD = 0) and to a lesser extent winter precipitation in determining the geographic variation of mean PWR in the study area (Figure 12). This pattern represents countergradient variation between PWR and potential evapotranspiration, with decreased water weight loss associated with areas of higher moisture deficits and lower winter precipitation (Figure 13). Subsequent to these two leading predictors, Figure 10 demonstrates a steady decay in predictor importance. The model prediction within the host SDM illustrates an overall pattern of higher PWR east of the Cascade Range and lower to the west of the mountains, with additional localized variation within these two regions in response to geophysical features such as the Olympic and Blue Mountain ranges (Figure 14). The semivariogram of mean PWR values illustrated a relatively strong autocorrelational spatial relationship between geographically closer locations and near anticorrelation at the greatest distances in the study area, while the GBM model residuals showed complete spatial randomness (Figure 15) indicating that the model prediction left no remaining significant geographic variation in mean PWR.

DISCUSSION

The observed pattern of *R. zephyria* desiccation resistance strongly suggests that geographic variation of phenotypes associated with increased fitness exists within the study area and that this variation is largely associated with locally varying moisture and temperature regimes. This pattern exhibit countergradient variation with desiccation stress, possibly an evolved response to stabilize a required water content level for successful pupation and diapause in the presence of variable abiotic conditions. Pronounced variation in desiccation resistance in highly proximal locations associated with steep gradients in moisture deficits and precipitation is strongly suggestive of either local adaptation or plasticity in desiccation response for *R. zephyria*. Either instance represents an evolved trait which could have allowed *R. zephyria* to maximize its abiotic niche to match that of its widespread host and could potentially introgress and increase the invasivity of its closely related nonnative congener. Prior work with desiccation resistance in *R. zephyria* has shown that increased weight retention following desiccation stress is a significant predictor of successful adult eclosion (Hill, 2016; Staubus, 2021), which is a fair proxy for fitness. While the design of this present study does not allow determinations to be made as to whether the detected geographic variation in desiccation resistance is due to local adaptation, phenotypic plasticity or a combination of the two, expression studies suggest that variation in desiccation resistance is at least in part due to underlying genetic variation within two disparate populations in the study area (Staubus, 2021).

The amount of geographic variation in desiccation resistance explained by the candidate model and the heavy reliance of that model on a bioclimatic predictor representing potential evapotranspiration (Hargreave's climate moisture deficit) strongly suggests that the phenotypic variation detected in the treatment is a response to abiotic conditions with regional geographic

patterns and localized variation suggestive of adaptive desiccation resistance. One alternative explanation for the observed pattern is a combination of geographic isolation and genetic drift. While this may have been a possible, if unlikely, explanation, for a single phenotypic contrast of a "western" and an "eastern" phenotype divided by the Cascades, this scenario becomes even less plausible because this variation is also expressed at multiple localized scales such as within-region rain shadows and precipitation catchments with continuous and abundant host availability. In these situations, we would expect gene flow to homogenize any phenotypic variation unless it were maintained via natural selection on locally adapted alleles or via adaptive phenotypic plasticity mediated by geographically widespread alleles. One particularly pronounced local pattern is within the greater Skagit River basin in northern Puget Sound, WA, as PWR values range from near the highest values detected in the study to the lowest within a single catchment as the basin transitions from historic Oregon white oak (*Quercus garryana*) savannahs on Whidbey Island in the Olympic rain shadow to temperate rainforest in the upper basin near North Cascades National Park. Given the local abundance and highly continuous distribution of the host species illustrated in the SDM within the greater Skagit basin, it seems unlikely that gene flow would be sufficiently reduced in *R. zephyria* to allow seemingly adaptive phenotypic variation via stochastic mechanisms to arise. Studies on the dispersal behaviors of species within the *R. pomonella* group suggest that while adult *Rhagoletis* are not prone to long range dispersal flights, they do move about the landscape enough to allow the movement of genetic materials within a population (Roitberg & Prokopy, 1982; Feder et al., 1994). This steep gradient of predicted desiccation resistance within the greater Skagit Basin could prove more informative for future investigations of this system as potentially spurious variations between largely disjunct populations may confound studies of mechanisms of phenotypic adaptation.

The interpretation of the results and predictions of any model must incorporate careful reflection on what went into the model and what was left out as well as the modeling method used. In this instance, perhaps the most crucial caveat is to acknowledge the exclusion of the unidentifiable puparia following post-treatment dissection and those larvae which failed to pupariate. While the removal of these individuals from the candidate pool prior to random selection of individuals for analysis was an important step to remove the influence of varying rates of hymenopteran parasitization between the sampled populations, the removal of flies which failed to develop due to desiccation stress would have very likely provided a larger effect size from this assay. Screening post-treatment puparia for wasp presence via molecular methods rather than dissection and visual detections would preclude this caveat and should be considered in future investigations of physiological responses to bioclimate in this and/or closely related systems, particularly in the late larval and pupal stage. Additionally, any future work on this system in a common garden design should make accommodations to ensure that parasitoid species are excluded from the garden. With this caveat in mind, the geographic patterns of population level weight retention in those flies which were successfully developing at the time of dissection shows a clear relationship with winter precipitation and Hargreave's climate moisture deficit even with the reduced effect size from excluding those individuals which failed to develop under the desiccation treatment from consideration.

Both the boosted regression model and the random forest model supported Hargreave's climate deficit and winter precipitation as having the greatest importance (Appendix Figure 10). The greater explanatory power of the former may be due to the greater weight assigned to mean PWR values from locations which repeatedly had greater residual values during model fitting iterations (Elith et al., 2008). This increased predictive power in the boosted regression model

could also potentially be due to the increased tendency of boosted models to overfit predictions when compared to bagged models such as random forest (Maclin & Opitz, 1997). That the two algorithms detect similar patterns and responses to the same bioclimate provides a good measure of robustness, as 44 points is beneath the optimal conditions for performing regression-based modeling with cross-validation.

The SDM of the host plant *S. albus* illustrates the widespread but often disjunct distribution of the species within its native range along the Pacific coast and mountain west. This discontinuous distribution is present not only at the continental scale but to a reduced extent within the Pacific Northwest as well, with connectivity between western and eastern Washington and northern Oregon frequently impeded by the Cascade Mountains. *S. albus* predominantly exists in riparian zones, mid-successional communities and along the margins of historically disturbed sites in mesic systems and in climax communities in more arid Ponderosa pine-dominant communities (Alexander, 1988), however the spatial fidelity of available herbarium records precluded the meaningful use of topographic and community-characteristic predictors as these conditions can vary widely within the space of a kilometer when compared to bioclimate. Interpretation of my distribution model must incorporate the caveat that suitability is based on local bioclimate conditions only and that *S. albus* may be absent in a given location of suitable bioclimate if unsuitable topographic or community structure features are present. Even given this allowance, the broad abiotic niche occupied by *S. albus* is evident by its distribution across multiple biomes in the Pacific Northwest and presents a formidable adaptive hurdle for an insect species completely reliant on the plant in order to complete its life cycle.

An unexpected possibility was also suggested by the results of this study regarding the potential influence of the host plant physiology on *R. zephyria* desiccation resistance. A primary

ecological assumption of this study design was that the internal environment of the host-fruit would not vary between locations and therefore have no influence on any detected variation of *R. zephyria* phenotypes. While no variation in collected *S. albus* fruits were assessed, the strong similarity in the variable importance plot of the best performing desiccation resistance model and the SDM for the host highlight the potential for *S. albus* to exhibit its own phenotypic variation along evapotranspiration gradients in the study area. While trends in fruit abundance of individual host plants were evident during collection, with more robust crops in mesic conditions than arid locales, no readily observable difference in individual fruit quality were noted. Studies in other insect systems have shown reduced plant water content to result in increased desiccation resistance in insects feeding upon them (Appel & Rust, 1985; Woods & Harrison, 2001; Chown et al., 2011), a potential influence on this study worth assessing in a future investigation as these prior studies were carried out on species feeding externally on the host plants rather than internally as in this experiment. The use of larval *R. zephyria* collected from the wild is a shortcoming of this study design and prevents exclusion of the potential effects of variation within the host environment as well as possible epigenetic parental effects from natural flies and varying levels of parasitoid presence within the collections. While the potential adaptive response to desiccation stress in *Rhagoletis* species is investigated here for the first time, desiccation response experiments in other tephritids using lab-pure strains (Tejeda et al., 2016) as well as wild populations (Weldon et al., 2018) have shown that the ability to rapidly adapt to changing desiccation stress is present within the family. A study assessing the local population densities of two *Rhagoletis* species within Washington state found that Hargreave's climate moisture deficit was a strong predictor associated with population density in the endemic congener *R. indifferens* (Wakie et al., 2019), suggesting that variation in atmospheric desiccation

has a marked influence on native *Rhagoletis* species in the region. These possibilities highlight the need for controlled common garden or reciprocal transplant studies of lab-reared *R. zephyria* from disparate populations for a fuller understanding of gene-by-environment interactions and potential adaptative plasticity underlying the geographic variation in desiccation resistance detected in this study.

One of the current and looming consequences of anthropogenic climate change is a severe projected reduction in global biodiversity with the extinction rate of terrestrial insects anticipated to be significant (Wagner et al., 2021). While much of this loss is due to the conversion of natural landscapes and widespread use of agricultural insecticides (see Raven & Wagner, 2021, for a succinct review), the direct consequences of rapidly changing temperature and precipitation regimes are anticipated to outpace the ability of many insect species to adapt, particularly those with univoltine life histories and/or occupying higher trophic levels (Halsch et al., 2021). Growing evidence that some species already possess the genetic means for rapid adaptions in response to temperature or desiccation stress can inform as to which species and thus which natural communities may be most or least resilient to the changing global climate. Countergradient variation, whether due to adaptation or plasticity, is cryptic in natural conditions but can provide valuable insights about how a species may accommodate changing conditions. While the underlying mechanisms remain undetermined, the results of this study illustrate the ability of *R. zephyria* populations to respond adaptively to localized desiccation stress. That this adaptive response is present in a host-obligate species associated with a widespread generalist host suggests the possibility that *R. zephyria* evolved this response in adaptive pursuit of *S. albus* across varying bioclimatic regimes. While it has been widely established that many insect species possess the ability to genetically accommodate a range of desiccation conditions either

via canalized adaptation or phenotypic plasticity, it is suggested here for the first time within the *Rhagoletis pomonella* species complex, a clade of both scientific and economic importance.

Prior investigations have focused on the potential for introgression of desiccation resistance evolved in *R. zephyria* from east of the Cascades Range to introgress into the invasive *R. pomonella* population, as these eastern populations of the native species have shown a general trend for increased fitness in xeric conditions. This trend is generally true according to the findings presented here. However, the sampling coverage of *R. zephyria* populations from the increased number of locations throughout the study area illustrates that this variation exists at finer geographic scales, suggesting that *R. zephyria* appears to readily adapt to localized conditions without any major geographic barriers. While this study cannot determine whether this variation in response to local climate is due to local adaptation or phenotypic plasticity, it does suggest that hybrid introgression with *R. zephyria* in areas west of the Cascades Range currently colonized by apple-infesting *R. pomonella* may provide the genetic material necessary for adaptive desiccation resistance, the lack of which is currently surmised to constrain the nonnative agricultural pest to areas less arid than the commercial apple growing regions of the Pacific Northwest.

CONCLUSION

The findings of this study illustrate that desiccation stress response in emergent larval and early pupal *Rhagoletis zephyria* varies geographically within the study area and that this variation is largely in response to regional and local fluctuations of abiotic conditions representing moisture availability and potential evapotranspiration. This variation appears likely

to be adaptive as *i)* the retention of weight following desiccation stress during this life stage is a significant predictor of successful adult development and *ii)* the variation in desiccation response can be pronounced in connected nearby populations when steep bioclimate gradients are present. The potential confounding influences of parental effects and varying host-environment conditions should not be dismissed from interpretation of the results put forward in this study, as is also the case with the limitations of the study design for differentiating whether the variation described is local adaptation, phenotypic plasticity or combination of the two. Locally adaptive or plastic desiccation resistance is anticipated to be a key factor in the success of individual insect species and ecological communities to accommodate rapidly changing climates; the capacity for this variable response to localized desiccation stress in a member of the economically, ecologically and evolutionarily important *Rhagoletis pomonella* species complex is shown here for the first time.

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Table 1. Symphoricarpos albus presence records used for distribution modeling in MaxEnt with URL of database, date of access, total records accessed and those retained for modeling prior to spatial thinning.

Herbarium Name	URL:	Accessed	Total Records	Used Records
Consortium of California Herbaria	https://ucjeps.berkeley.edu/consortium/	12/31/2020	614	609
Consortium of Pacific Northwest Herbaria	https://www.pnwherbaria.org	1/7/2020	942	474
Oregon State University Herbarium	https://bpp.oregonstate.edu/herbarium/databases	12/31/2020	86	83
Rocky Mountain Herbarium	https://www.rockymountainherbarium.org/	12/31/2020	2,594	282
Total			**4,236**	**1,442**

Table 2. Abbreviations and bioclimate variable definitions from ClimateNA of 30-year bioclimate norms for the period 1981-2010, with dots representing inclusion in *S. albus* distribution model (Host SDM) and *R. zephyria* desiccation modeling (PWR Model).

Abbrv.	Variable Description	Host SDM	PWR Model
MAT	Mean annual temperature (°C)		●
MWMT	Mean temperature of the warmest month (°C)		●
MCMT	Mean temperature of the coldest month (°C)		●
TD	Temperature differential (MCMT - MWMT)	●	●
MAP	Mean annual precipitation (mm)		●
MSP	Mean summer (May to September) precipitation (mm)		●
AHM	Annual heat moisture index [(MAT+10)/(MAP/1000)]	●	●
SHM	Summer heat moisture index [(MWMT)/(MSP/1000)]	●	●
DD_0	Degree-days below 0°C (chilling degree days)	●	●
DD5	Degree-days above 5°C (growing degree days)	●	●
DD_18	Degree-days below 18°C	●	●
DD18	Degree-days above 18°C	●	●
NFFD	The number of frost-free days per year		●
bFFP	The Julian date on which the frost-free period begins		●
eFFP	The Julian date on which the frost-free period ends		●
FFP	Frost-free period length		●
PAS	Precipitation as snow (mm)	●	●
EMT	Extreme minimum temperature (°C) over 30 years	●	●
EXT	Extreme maximum temperature (°C) over 30 years	●	●
Eref	Hargreave's reference evaporation	●	●
CMD	Hargreave's climate moisture deficit (mm)	●	●
MAR	Mean annual solar radiation		
RH	Mean annual relative humidity (%)	●	●
Tave_wt	Winter (December to February) mean temperature (°C)	●	●
Tave_sm	Summer (June to August) mean temperature (°C)	●	●
PPT_wt	Winter (December to February) precipitation (mm)	●	●
PPT_sm	Summer (June to August) precipitation (mm)	●	●
Total		**17**	**26**

Table 3. *R. zephyria* collection locations with collection year, coordinates, mean proportion weight retained (PWR) and variance (Var.) from twelve randomly selected individuals.

Location	Collection Year	Latitude	Longitude	PWR	Var.
Bellingham	2018	48.7500	-122.4779	0.7170	0.0009
Birdsview	2020	48.5268	-121.9275	0.6660	0.0010
Blaine	2020	48.9949	-122.6414	0.6950	0.0035
Cascade River	2020	48.5260	-121.4274	0.6700	0.0018
Chehalis	2020	46.4743	-122.8820	0.7250	0.0010
Cle Elum 2015	2015	47.1956	-120.9393	0.7620	0.0006
Cle Elum 2018	2018	47.2038	-120.9822	0.7330	0.0029
Cle Elum 2019.1	2018	47.1968	-120.9467	0.7290	0.0028
Cle Elum 2019.2	2018	47.1941	-120.9471	0.7540	0.0016
Coupeville	2017	48.2328	-122.7625	0.7770	0.0035
Cusick Creek	2020	48.4491	-117.3251	0.7410	0.0007
Easton 2015	2015	47.2373	-121.1790	0.7730	0.0014
Easton 2018	2018	47.2347	-121.1756	0.7520	0.0005
Ebey's Landing	2017	48.2320	-122.7640	0.7480	0.0016
Ellensburg 2015	2015	46.9968	-120.5481	0.7690	0.0033
Ellensburg 2018	2018	47.0100	-120.5232	0.7450	0.0024
Elma	2020	47.0034	-123.4088	0.7270	0.0009
Gold Bar	2020	47.8576	-121.7040	0.7210	0.0021
Goldendale	2020	45.8412	-120.7993	0.7490	0.0031
Grand Coulee	2017	47.9170	-118.9003	0.7820	0.0029
Hood River	2018	45.6527	-121.5516	0.7320	0.0024
Humptulips	2020	47.2329	-123.9593	0.6950	0.0023
Issaquah	2018	47.5365	-122.0315	0.7270	0.0005
Kettle Valley	2017	48.8462	-118.5977	0.7680	0.0002
LaGrande	2018	45.3456	-118.1560	0.7330	0.0015
Leavenworth 2017	2017	47.5884	-120.7107	0.7400	0.0025
Leavenworth 2019	2019	47.5693	-120.6613	0.7390	0.0025
Metaline Falls	2020	48.8667	-117.3836	0.7460	0.0009
Nason Creek	2020	47.7740	-120.8169	0.7390	0.0021
Ozette	2018	48.2640	-124.3495	0.7310	0.0008
Pend Oreille	2017	48.6533	-117.4993	0.7640	0.0012
Pendleton	2018	45.5833	-118.5890	0.7330	0.0017
Port Townsend	2018	48.1462	-122.7629	0.7600	0.0018
Portland	2017	45.5102	-122.7180	0.7160	0.0021
Satus	2020	46.0289	-120.6102	0.7200	0.0023

Location	Collection Year	Latitude	Longitude	PWR	Var.
Semiahmoo	2020	48.9584	-122.8080	0.6740	0.0033
Snoqualmie	2018	47.4100	-121.4058	0.7140	0.0008
Steptoe Butte	2020	47.0372	-117.2930	0.7760	0.0012
Trout Lake	2020	45.9925	-121.4754	0.7120	0.0018
Umtanum	2018	46.8993	-120.6431	0.7390	0.0008
Vancouver	2018	45.7183	-122.6487	0.7540	0.0006
Whatcom	2017	48.7219	-122.5051	0.7090	0.0023
Winthrop	2017	48.4859	-120.1231	0.7460	0.0036
Yakima	2015	46.8240	-120.9308	0.7800	0.0010

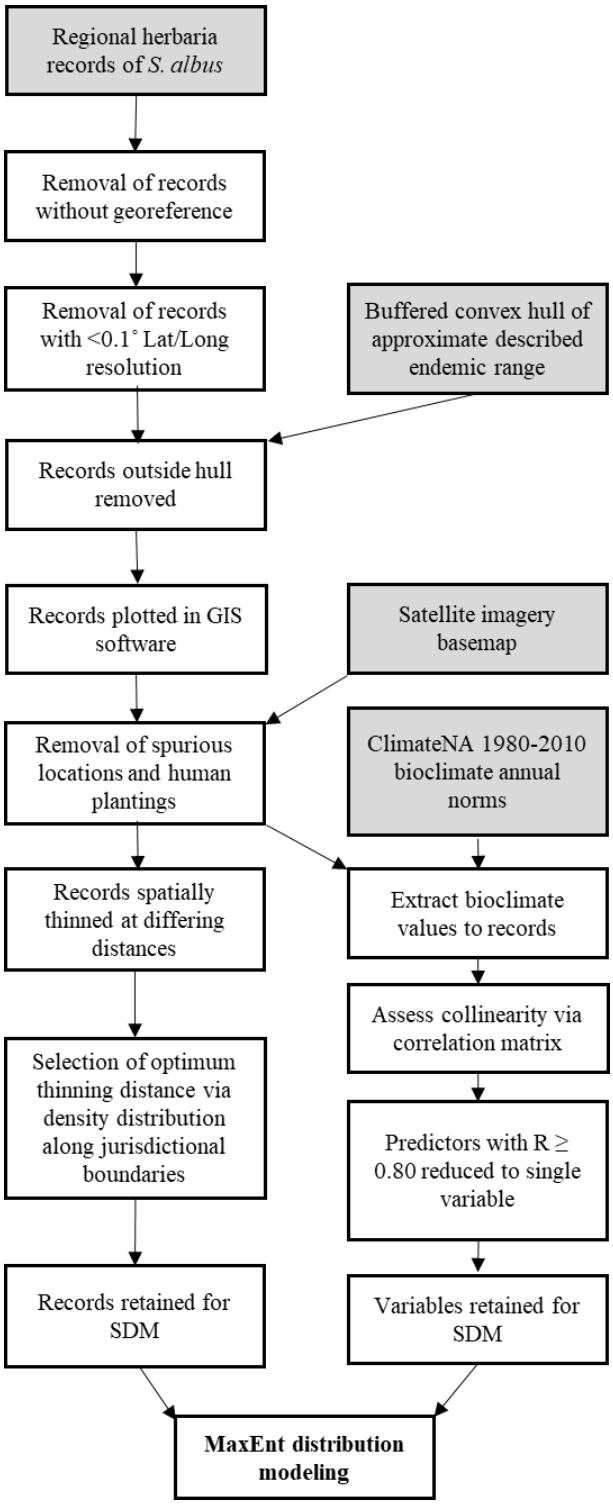


Figure 1. Flow diagram of *S. albus* herbaria record and bioclimate predictor selection prior to MaxEnt distribution modeling with processing steps in white boxes and inputs shown in gray.

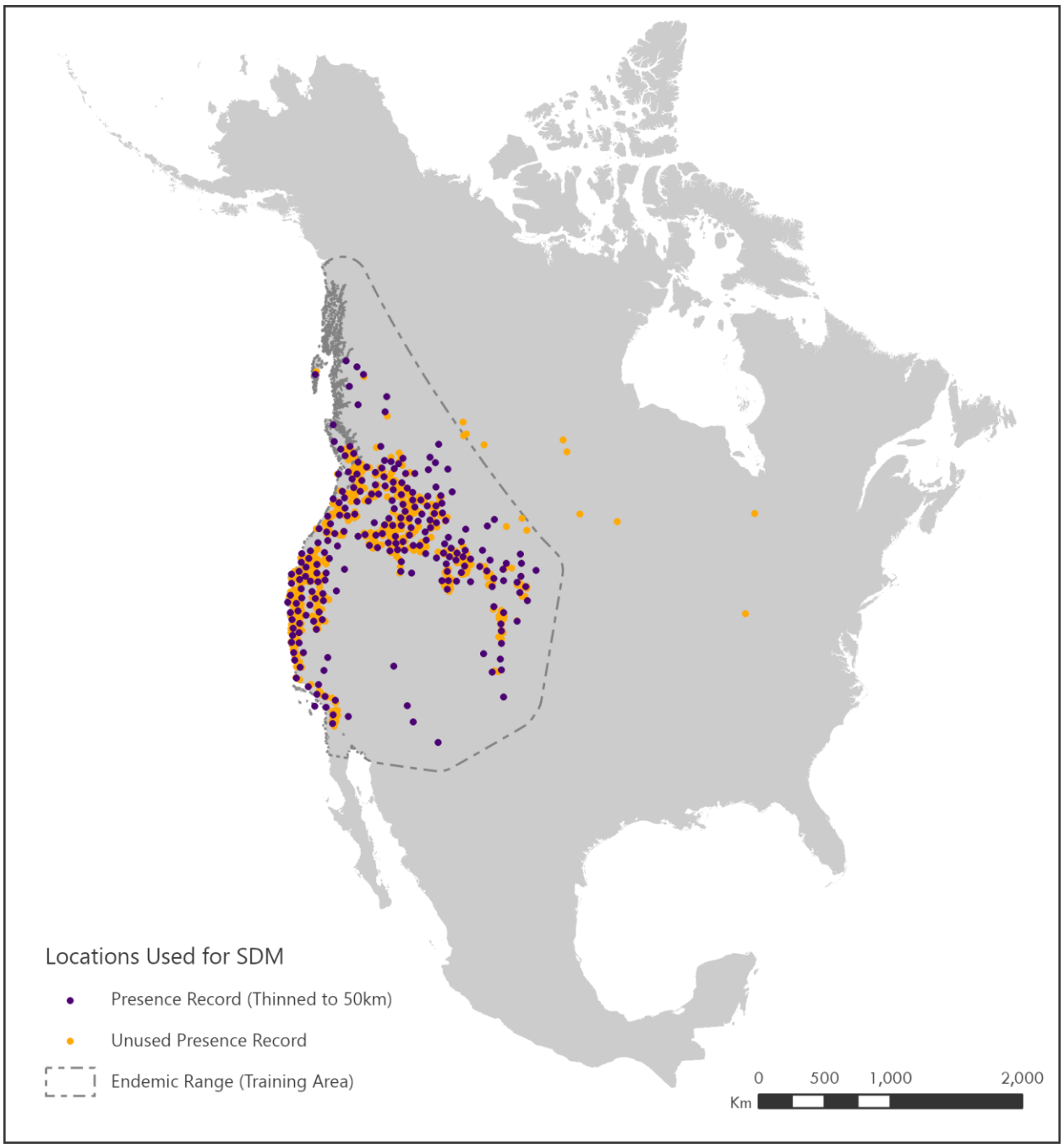


Figure 2. Herbarium records used in MaxEnt distribution models of *S. albus* with purple points representing those used in analysis following 50km thinning and within the training area; orange points illustrate georeferenced herbaria records omitted from analysis.

Figure 3. Correlation matrix of bioclimatic predictors used in *S. albus* SDM fitting; predictors exhibiting strong multicollinearity (≥0.80) were assessed for importance to the niche of the target species with those deemed likely non-informative removed from and those deemed likely ecologically informative retained (denoted by "+" in correlation matrix labels).

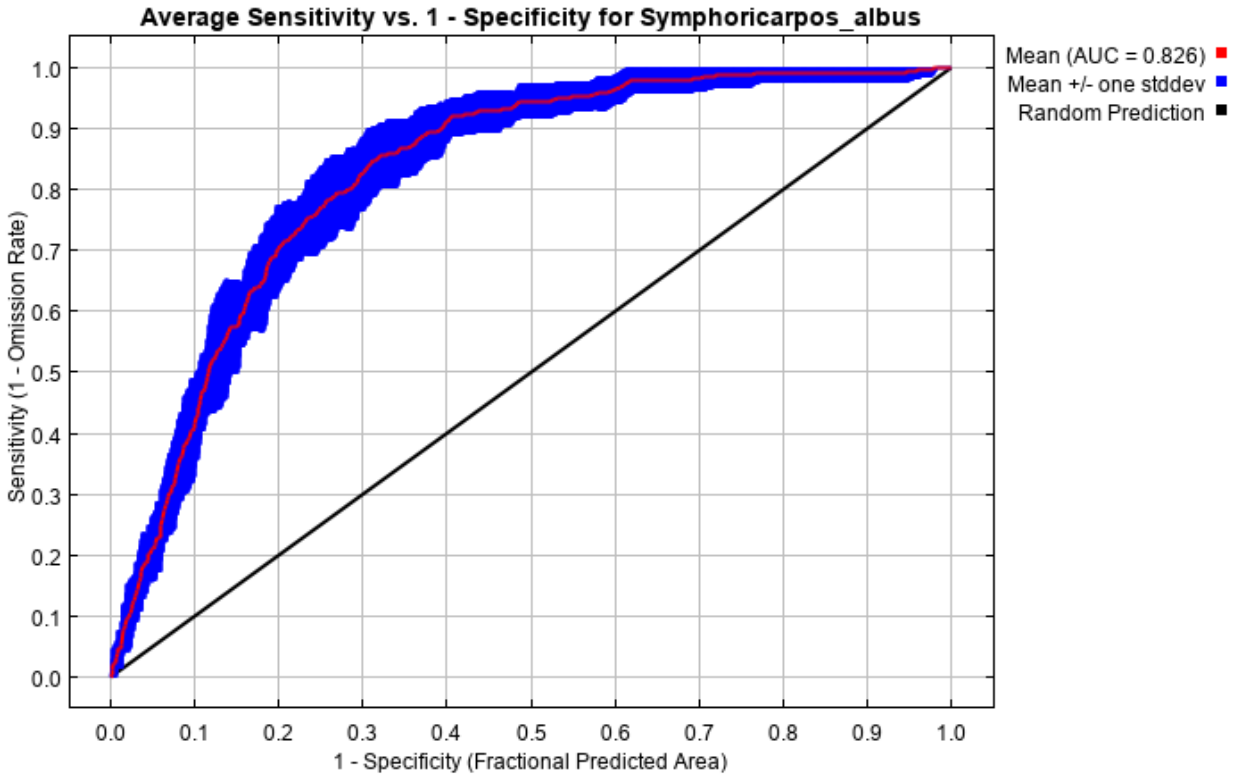


Figure 4. Area under the curve (AUC) of the receiver operating characteristic (ROC) for the MaxEnt model of *S. albus* illustrating the classification accuracy of occurrence and pseudo-absence points with sensitivity (true positive classification rate) and 1-specificity (false-positive classification rate); AUC represents overall classification accuracy of the model at all possible classification threshold values with MaxTSS (0.3787) being the 1-specificity value at which an asymptote to the mean curve possesses a slope of 1.0 (equalized commission and omission errors).

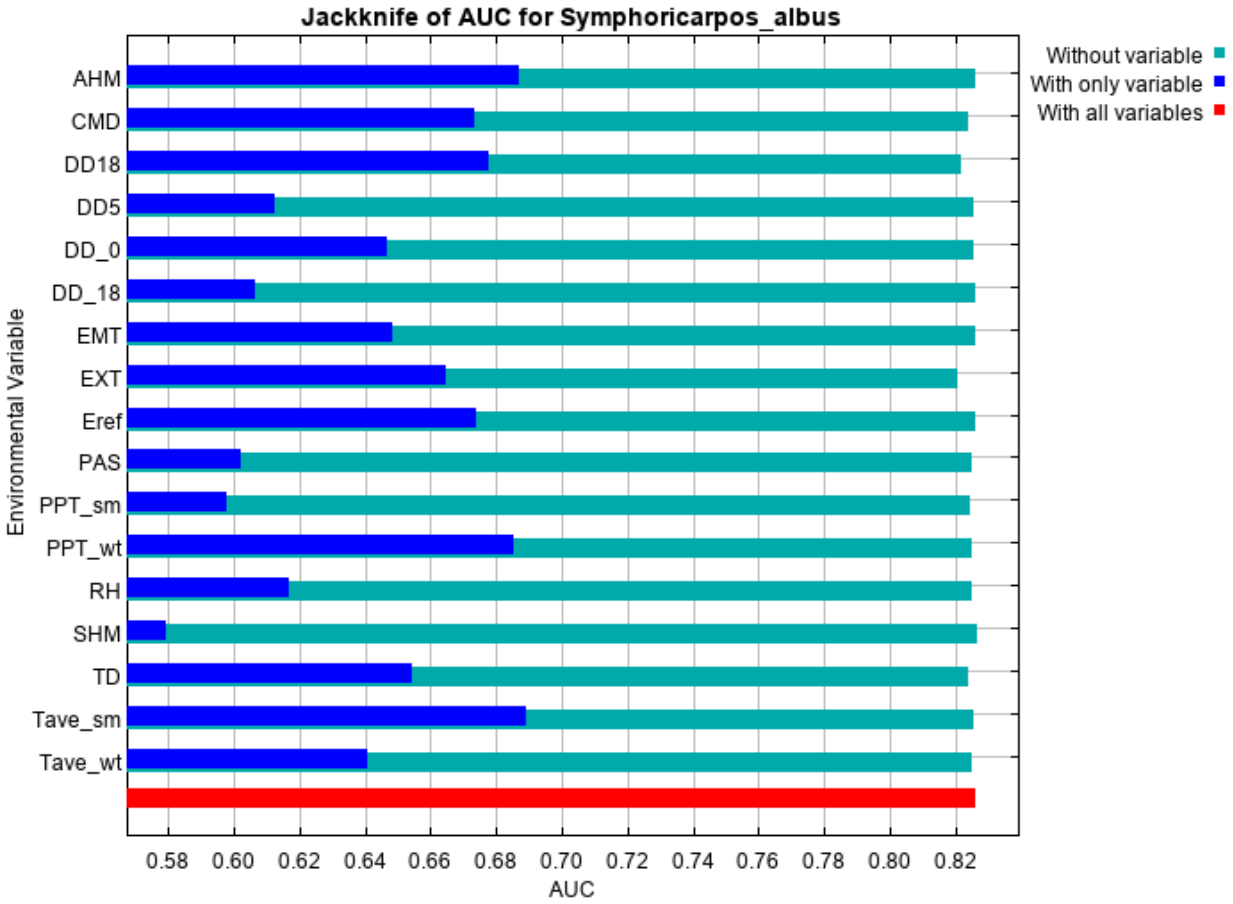


Figure 5. Jackknife plot of MaxEnt model of *S. albus* illustrating response of model AUC to each environmental variable individually (blue), the removal of each variable (green) and all variables in combination (red); high blue values represent strong influence of variable on AUC while lower green values represent the cost to classification accuracy if the variable is withheld.

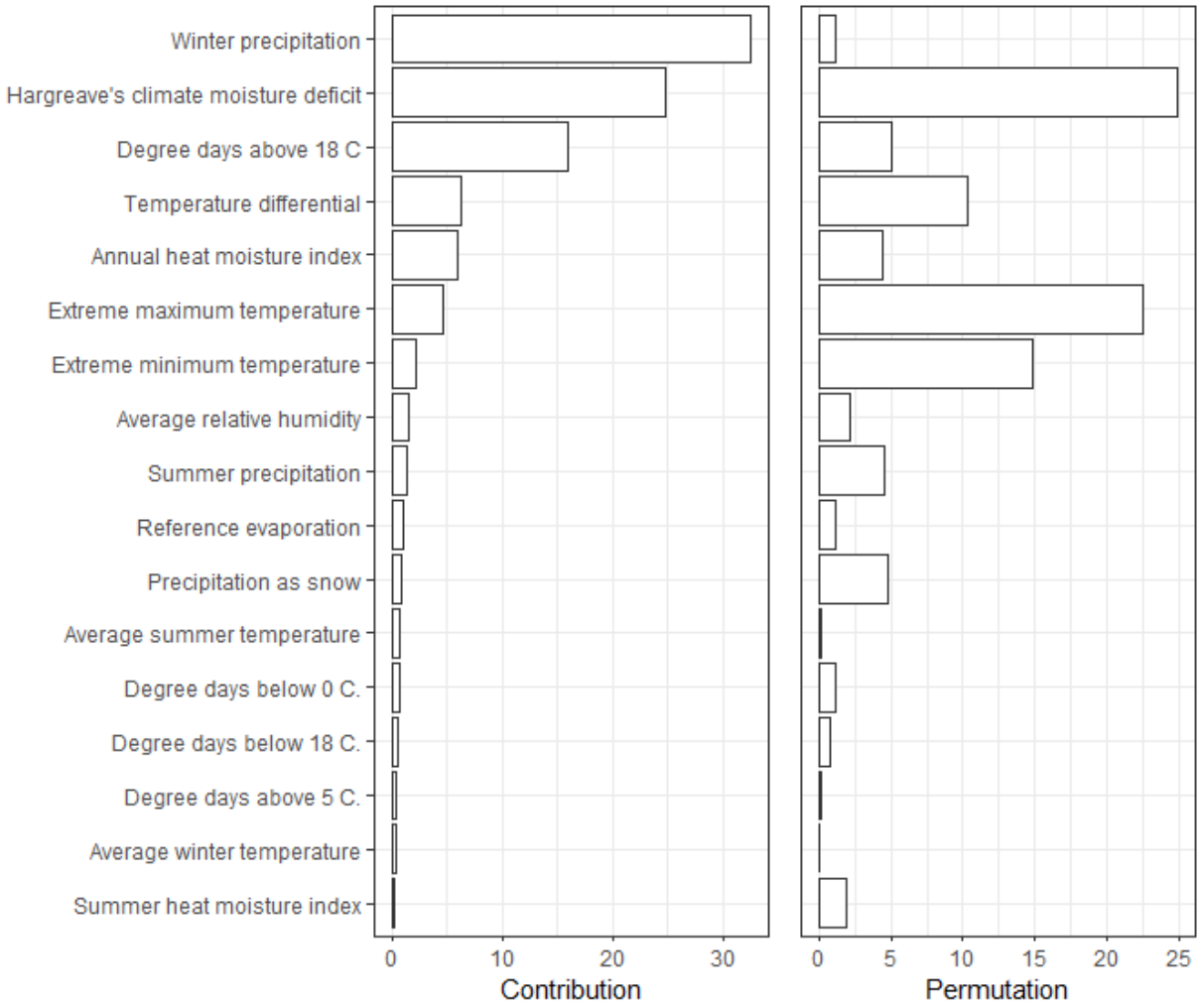


Figure 6. Variable importance plot for *S. albus* distribution model showing contribution (left) and permutation (right) values for each bioclimate predictor used in SDM fitting; both should be interpreted with caution due to effects of collinearity among climate variables however each shows general agreement on the importance of Hargreave's climate moisture deficit.

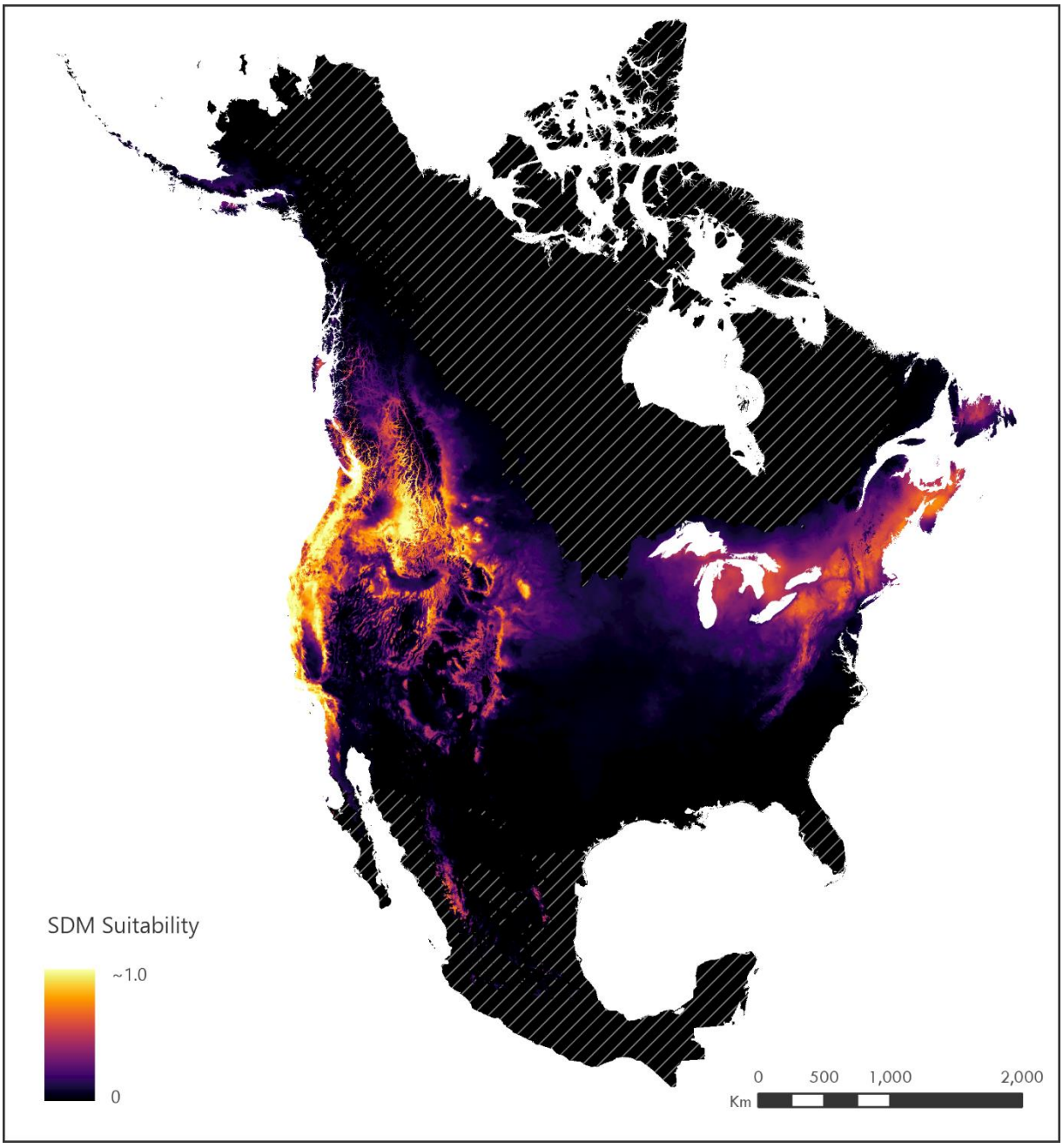


Figure 7. Distribution model prediction illustrating *S. albus* bioclimatic suitability with higher values representing higher suitability, lower values representing lower suitability and cross-hatched areas representing abiotic conditions outside the range encountered in model fitting via MESS analysis.

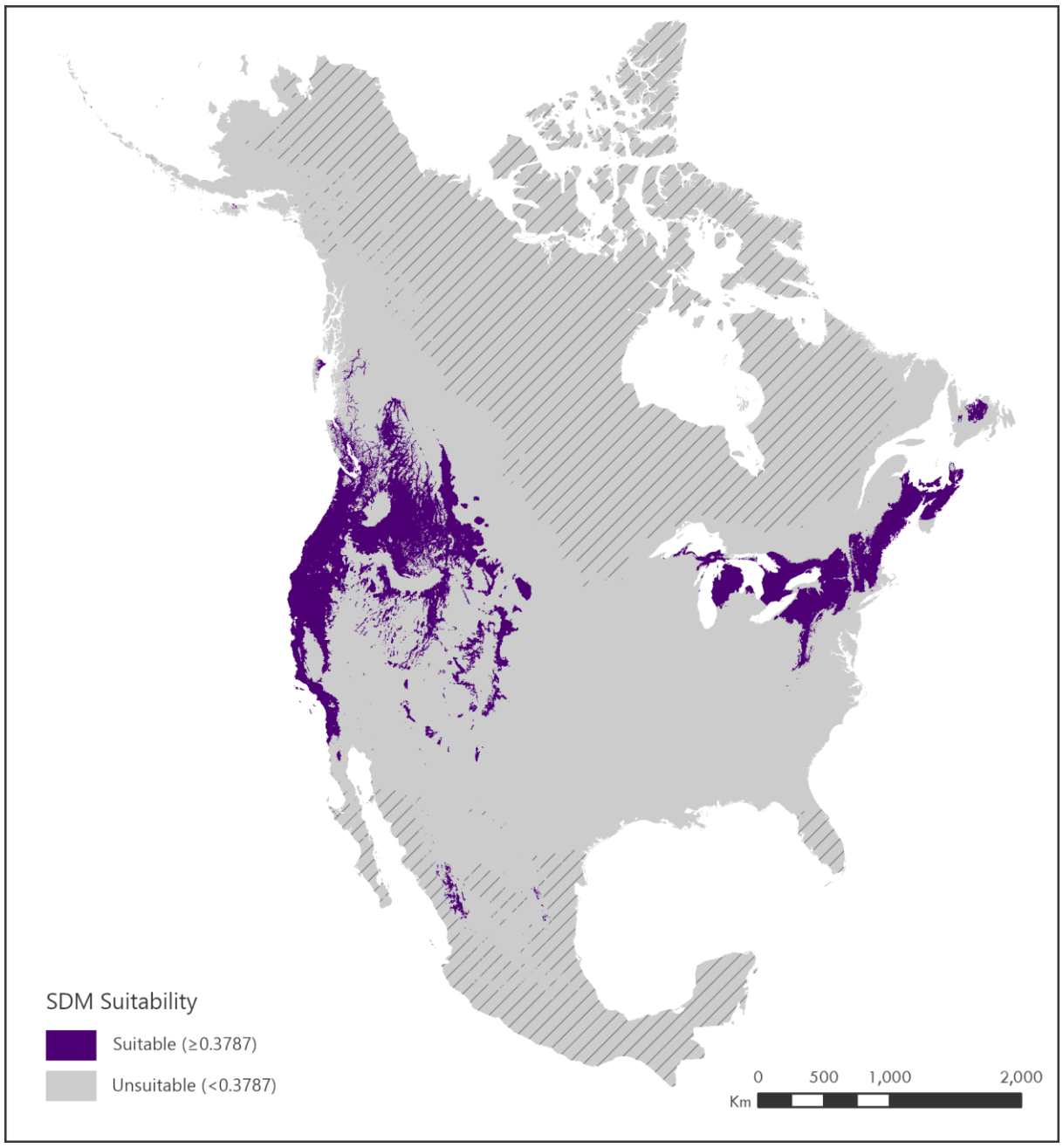


Figure 8. Binary climate suitability model for *S. albus* based on MaxTSS threshold of 0.3787 with dark areas representing suitable regions (≥0.3787), light areas representing unsuitability (<0.3787) and cross-hatched areas representing abiotic conditions outside the range encountered in model fitting via MESS analysis.

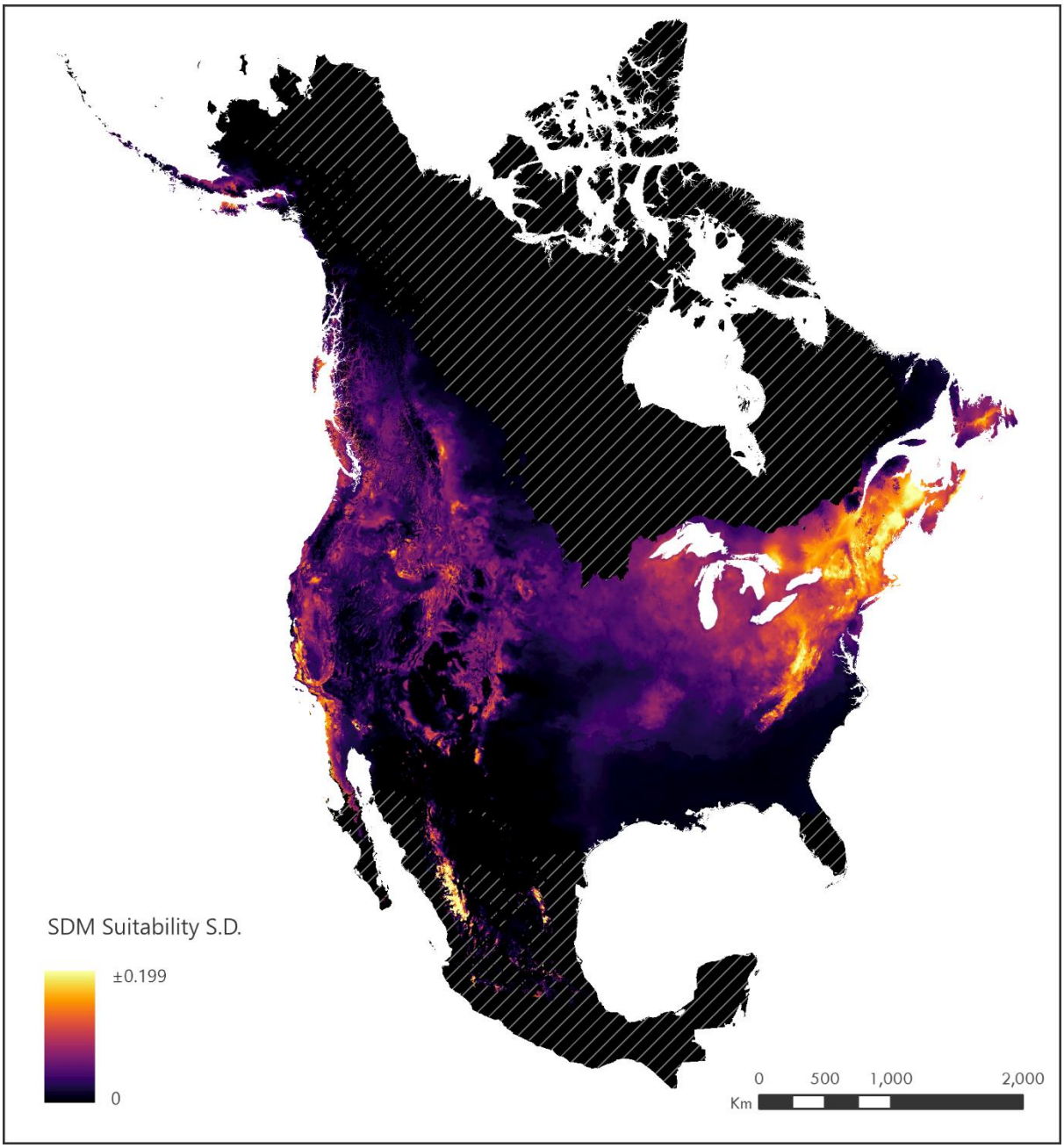


Figure 9. Standard deviation of *S. albus* distribution model with higher SD values depicting areas of higher model uncertainty, areas of less uncertainty with lower values and cross-hatched areas representing abiotic conditions outside the range encountered in model fitting via MESS analysis.

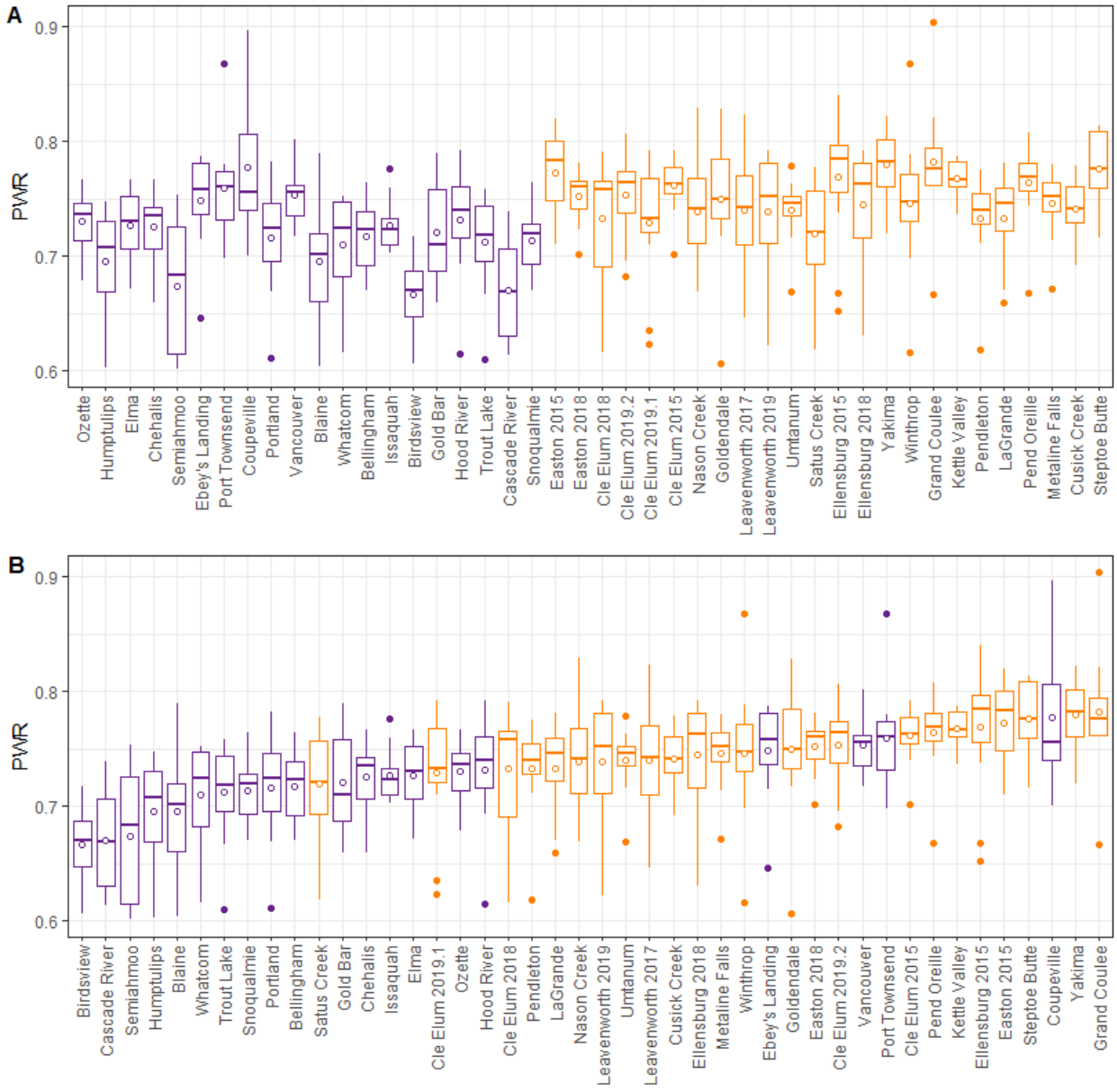


Figure 10. Distribution of PWR values for twelve randomly selected developing *R. zephyria* pupae ordered from left to right by A) decreasing longitude (east to west) and B) increasing mean PWR per location (purple represents locations west of Cascade divide and orange represents locations to the east).

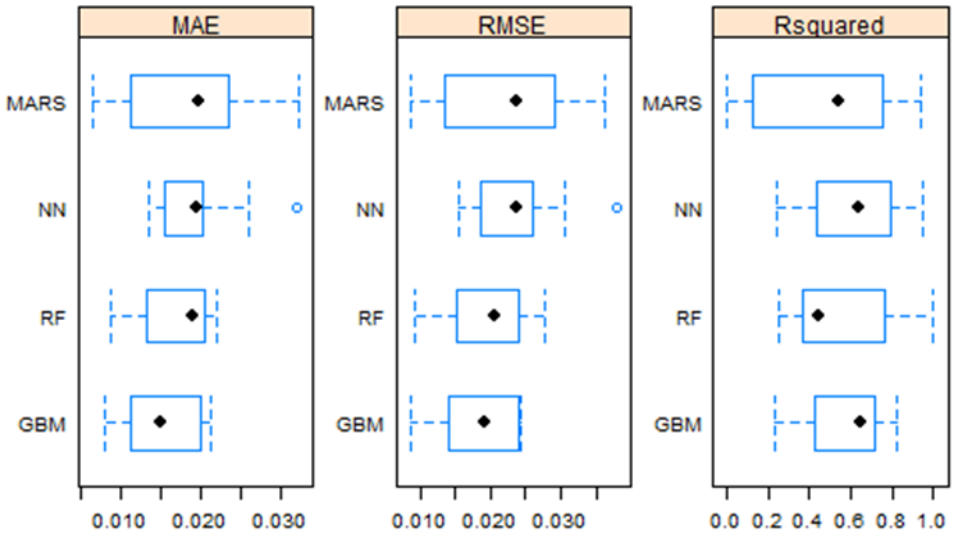


Figure 11. Candidate model performance diagnostics following tenfold cross-validation for multivariate adaptive regression splines (MARS), neural networks (NN), random forests (RF) and generalized boosted regressions (GBM); diagnostics are mean average error (MAE), root mean square error (RMSE) and adjusted R-squared (Rsquared); boxplots represent interquartile ranges with means illustrated by black dot.

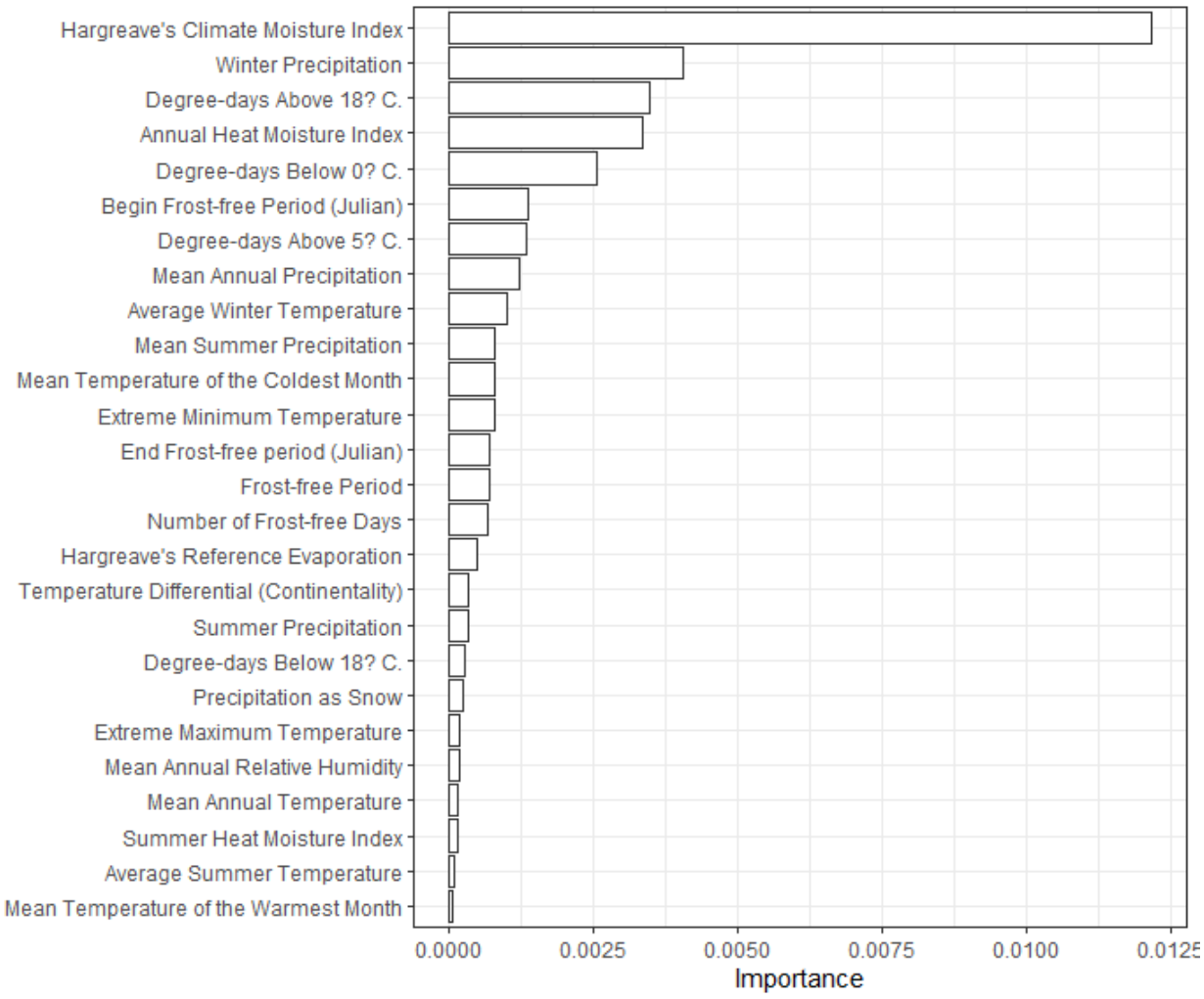


Figure 12. Variable importance plot for generalized boosted regression model (GBM) of mean PWR.

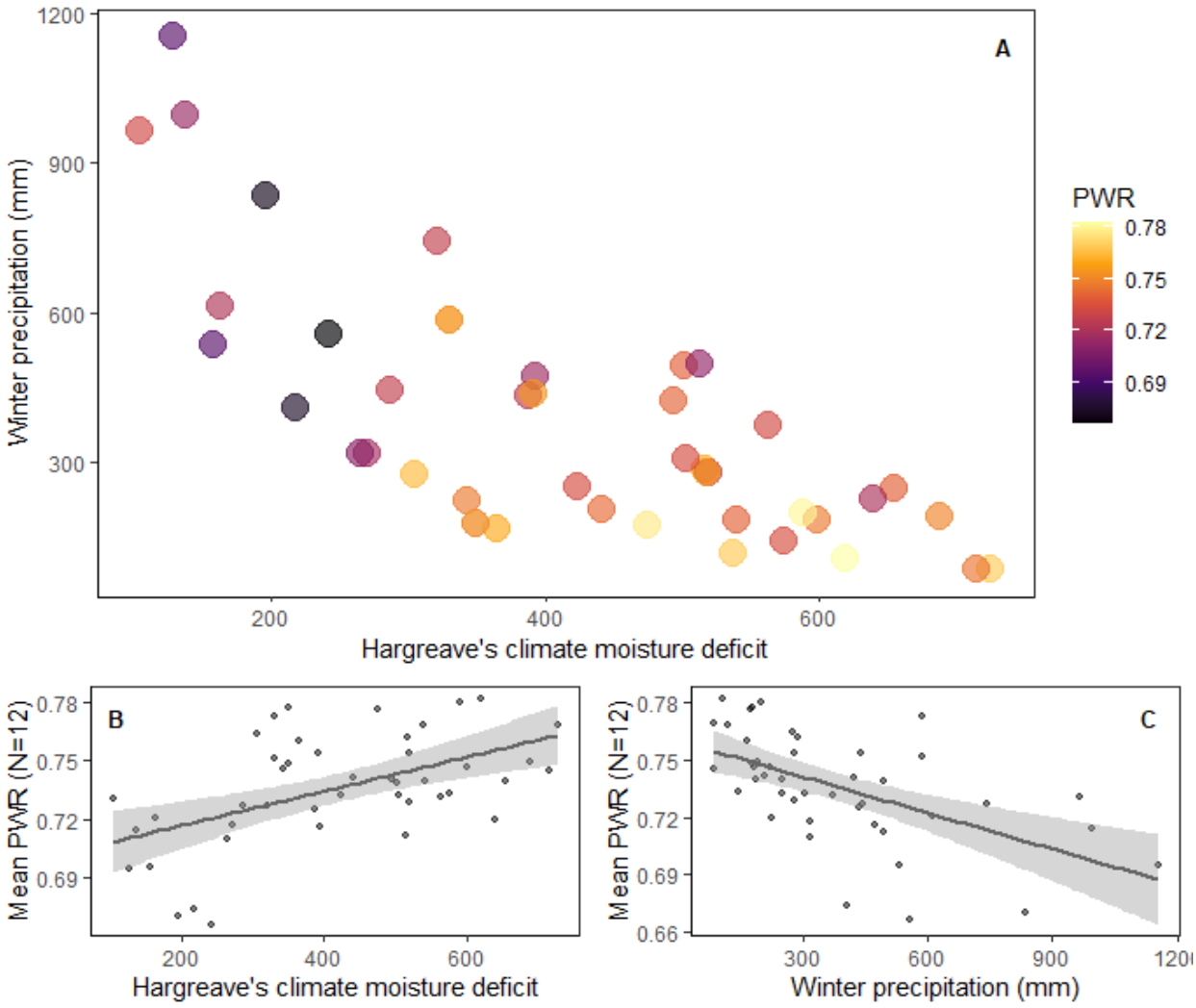


Figure 13. Relationship between mean PWR and two leading bioclimate variables from variable importance plot Hargreave's Climate Moisture Deficit (CMD) and Winter Precipitation (PPT_wt) with A) PWR shown via color along scatterplot of CMD and PPT_wt, B) PWR and CMD with positive linear trend and C) PWR and PPT_wt with negative linear trend (areas of gray shading in B and C represent standard errors).

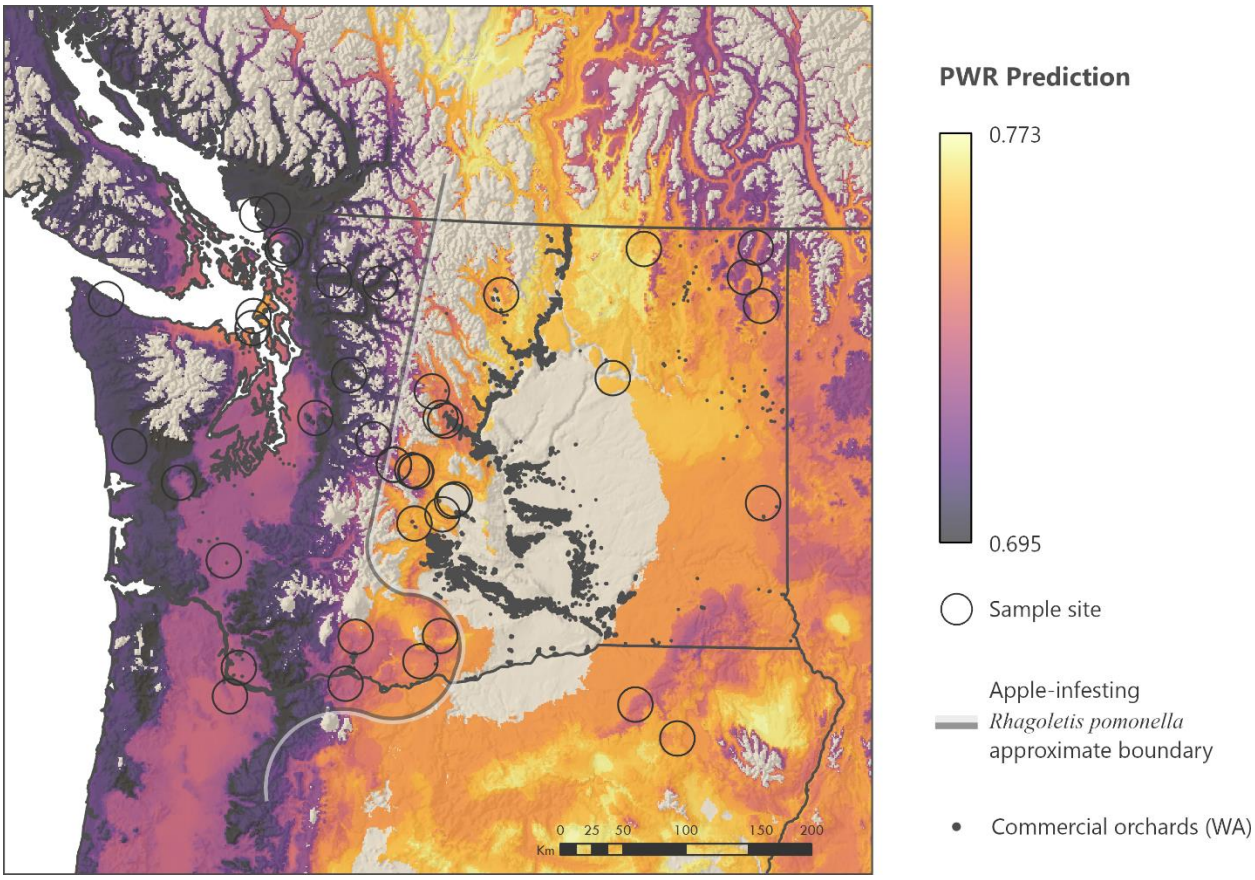


Figure 14. *R. zephyria* PWR prediction from tuned candidate generalized boosted regression model with prediction constrained by range of the host plant *S. albus* SDM (areas outside suitable bioclimate of *S. albus* shown in tan) with the distribution of Washington's commercial apple industry and the approximate eastern boundary of invasive R. pomonella colonization shown as double gray line.

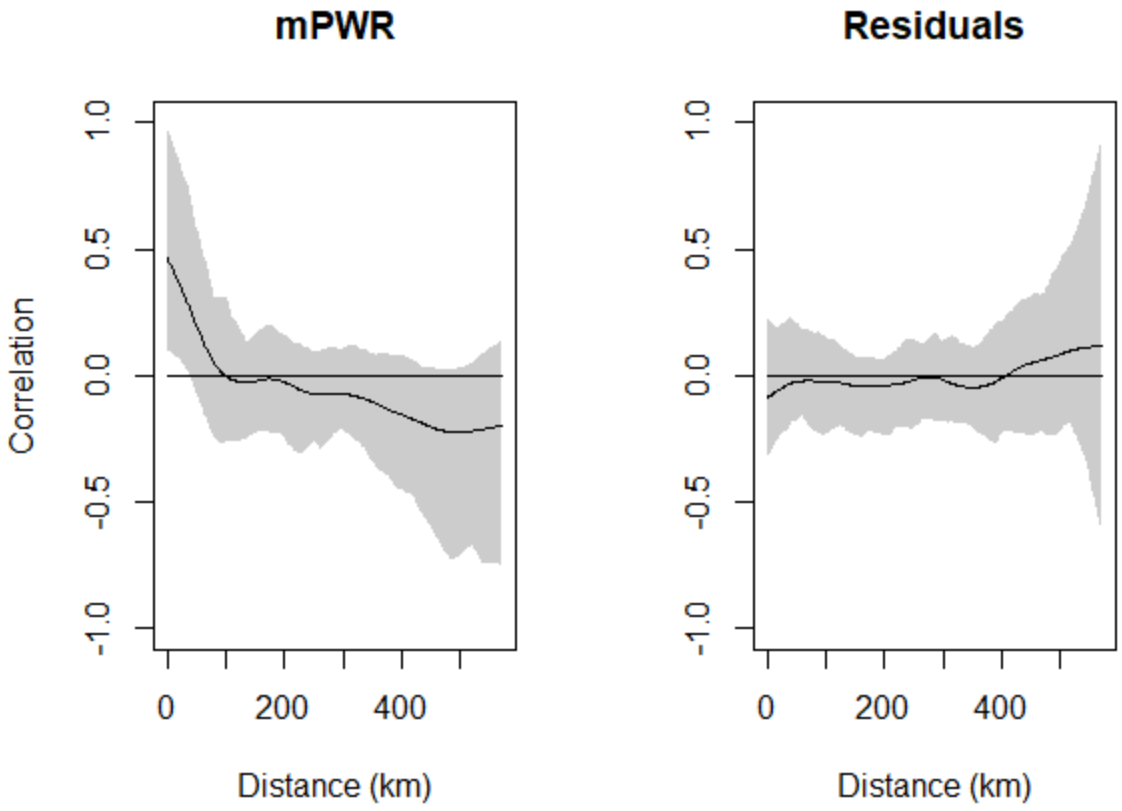
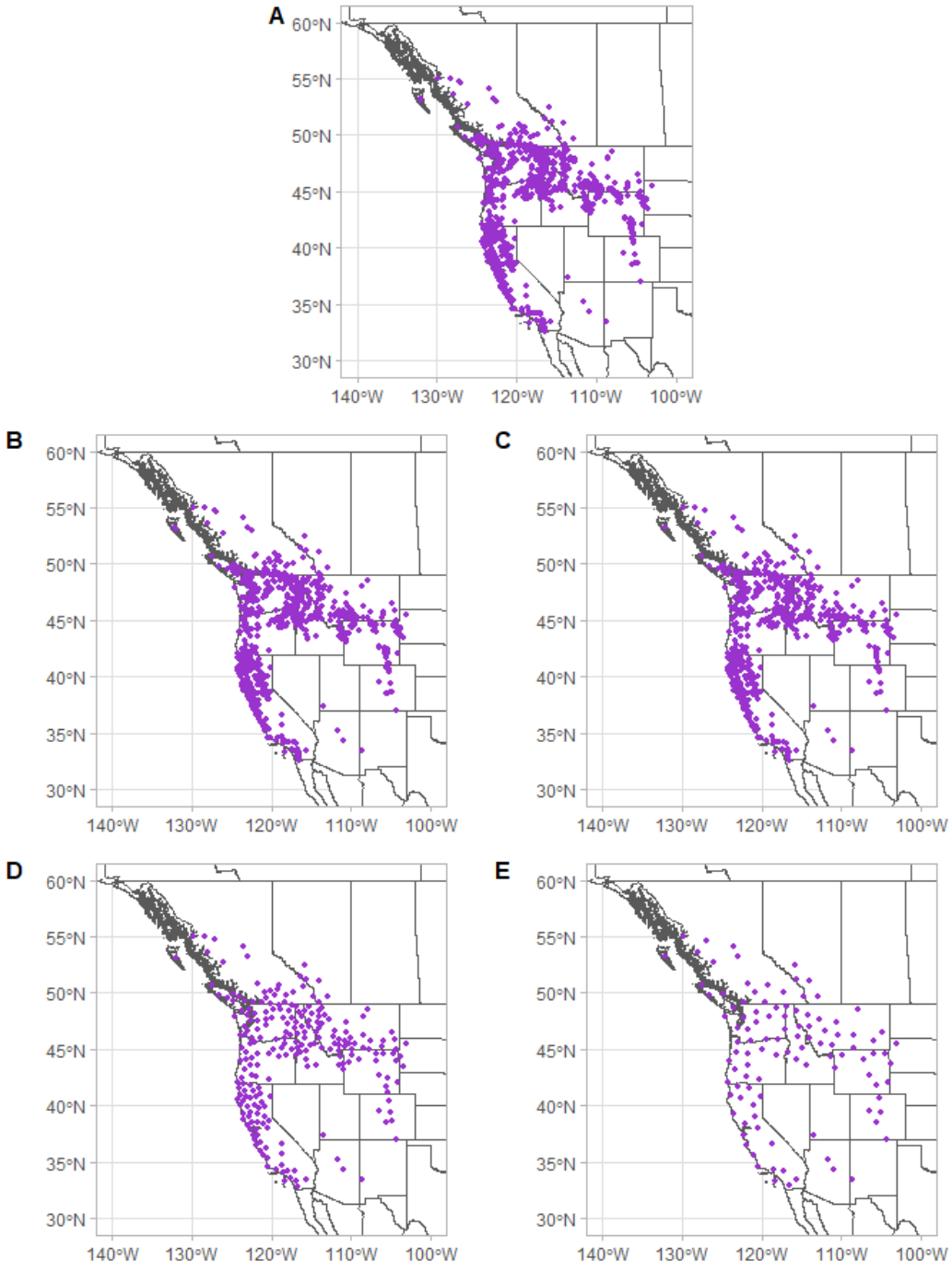
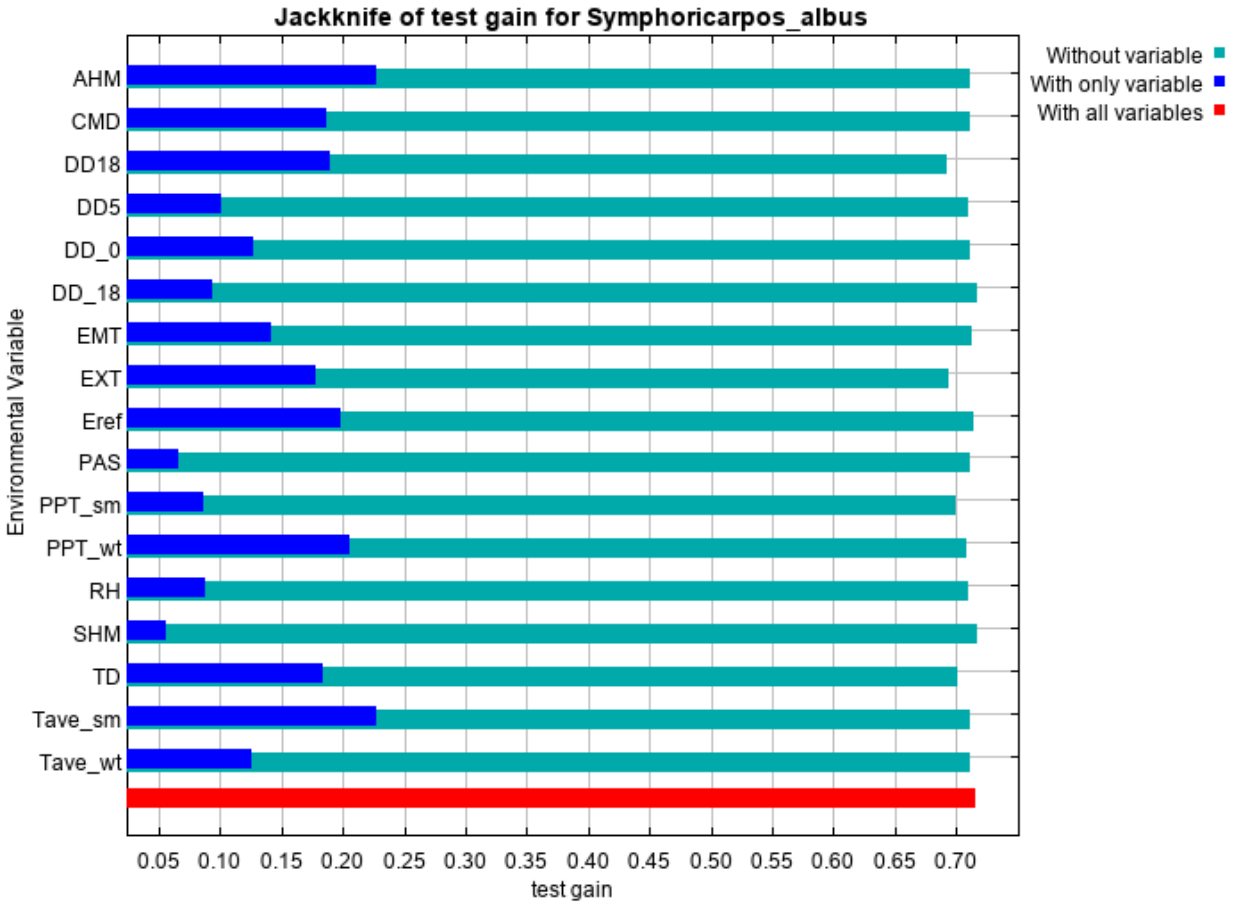


Figure 15. Moran's I test for spatial autocorrelation show autocorrelation in mean PWR values (left) within approximately 50km while candidate GBM prediction residuals show complete spatial randomness at all distances (95% confidence interval from 100 iterations).

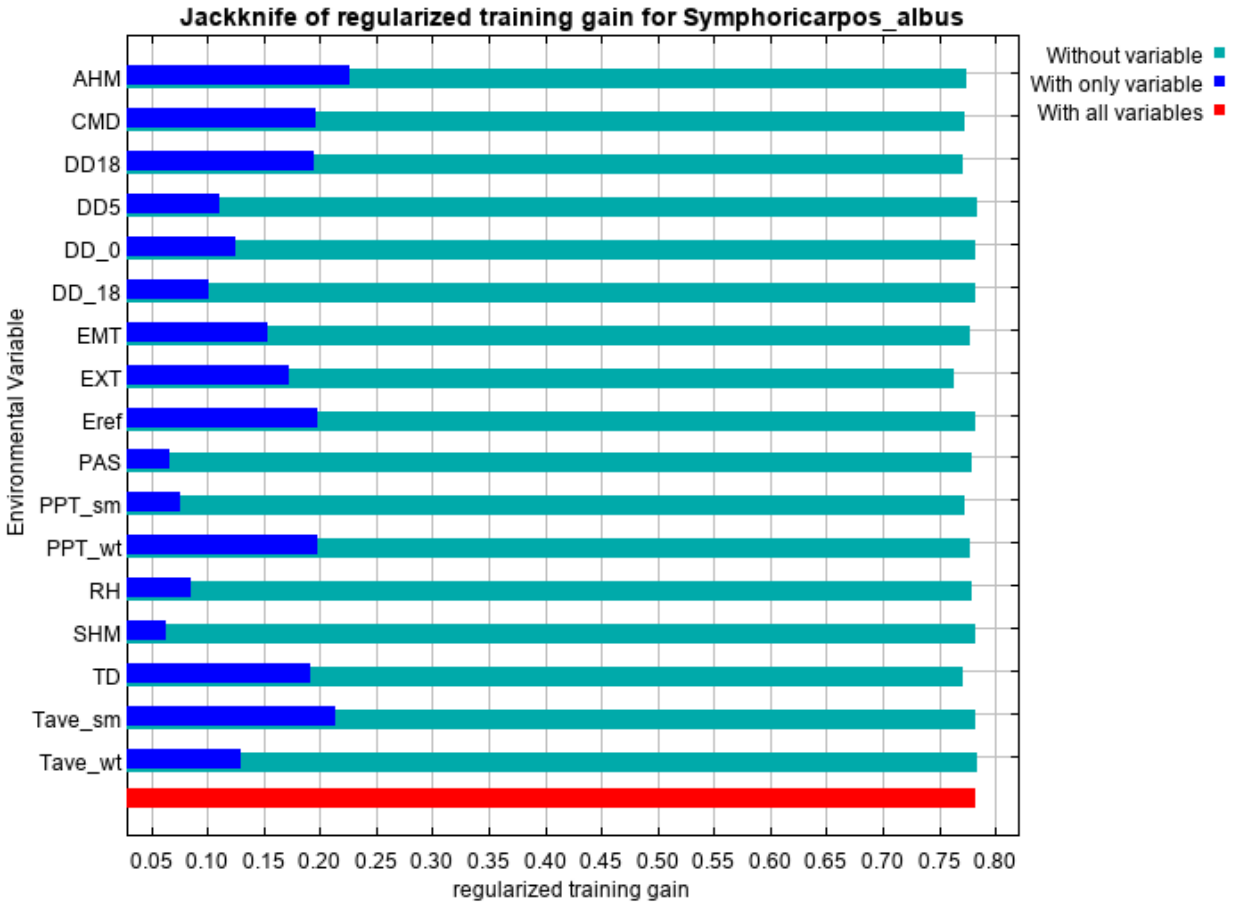
APPENDIX



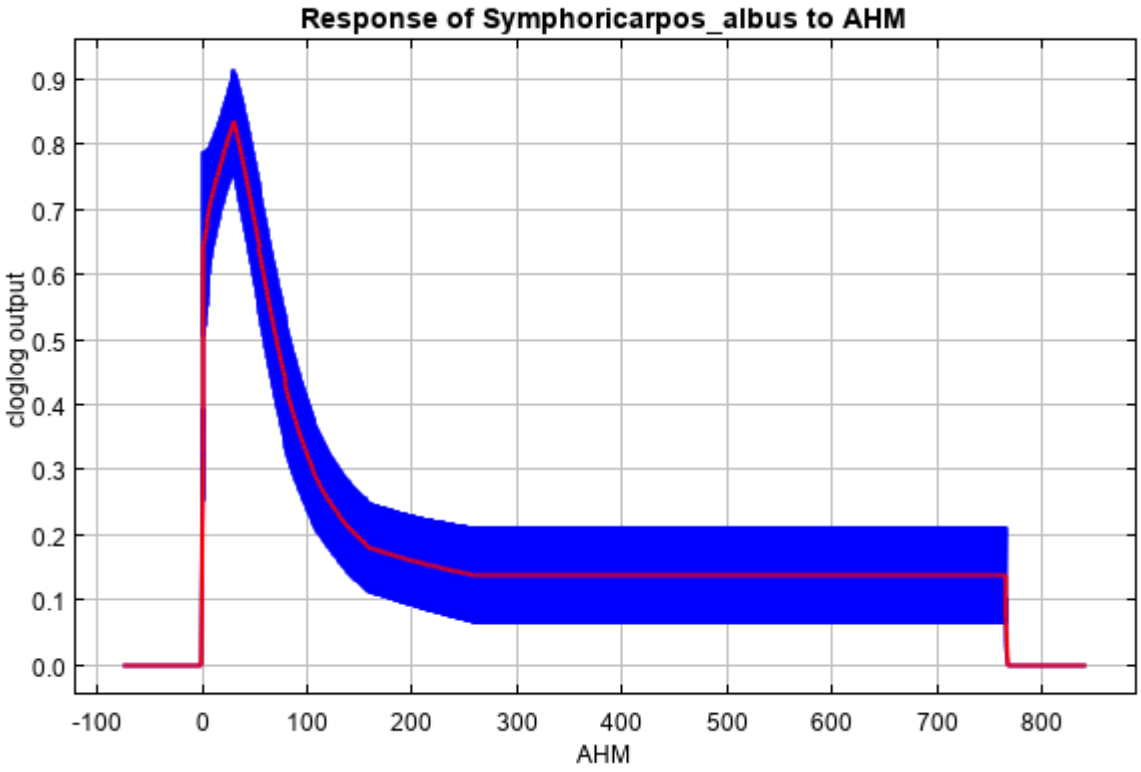
Appendix Figure 1. Filtered georeferenced herbaria records for *S. albus* (A) prior to spatial thinning and thinned to (B) 10km, (C) 25km, (D) 50km and (E) 100km.



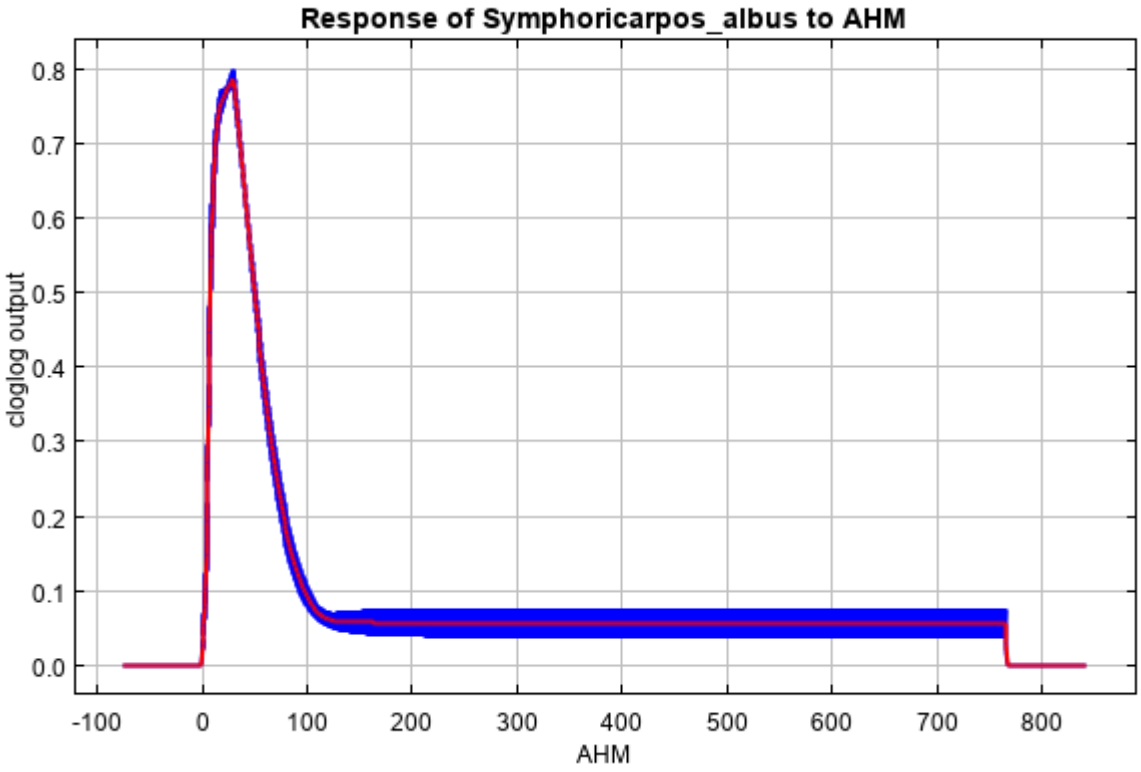
Appendix Figure 2. Jackknife plot of test gain for MaxEnt model of *S. albus*.



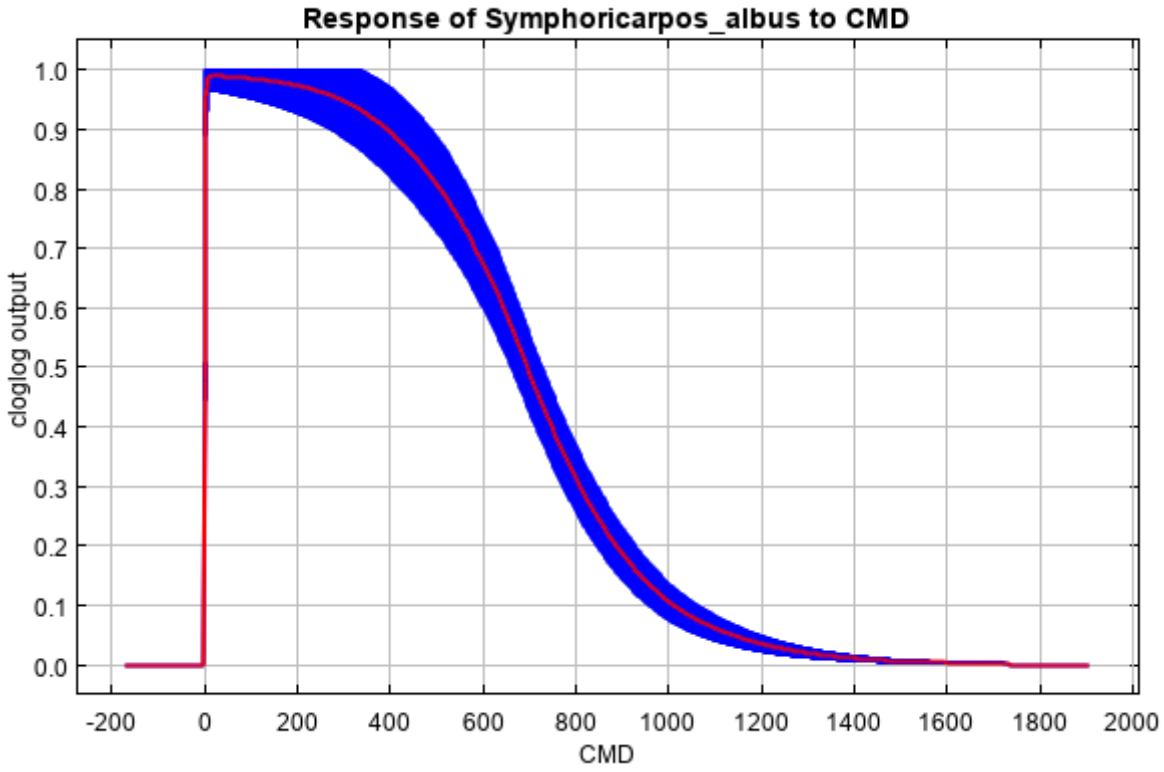
Appendix Figure 3. Jackknife plot of training gain for MaxEnt model of *S. albus*.



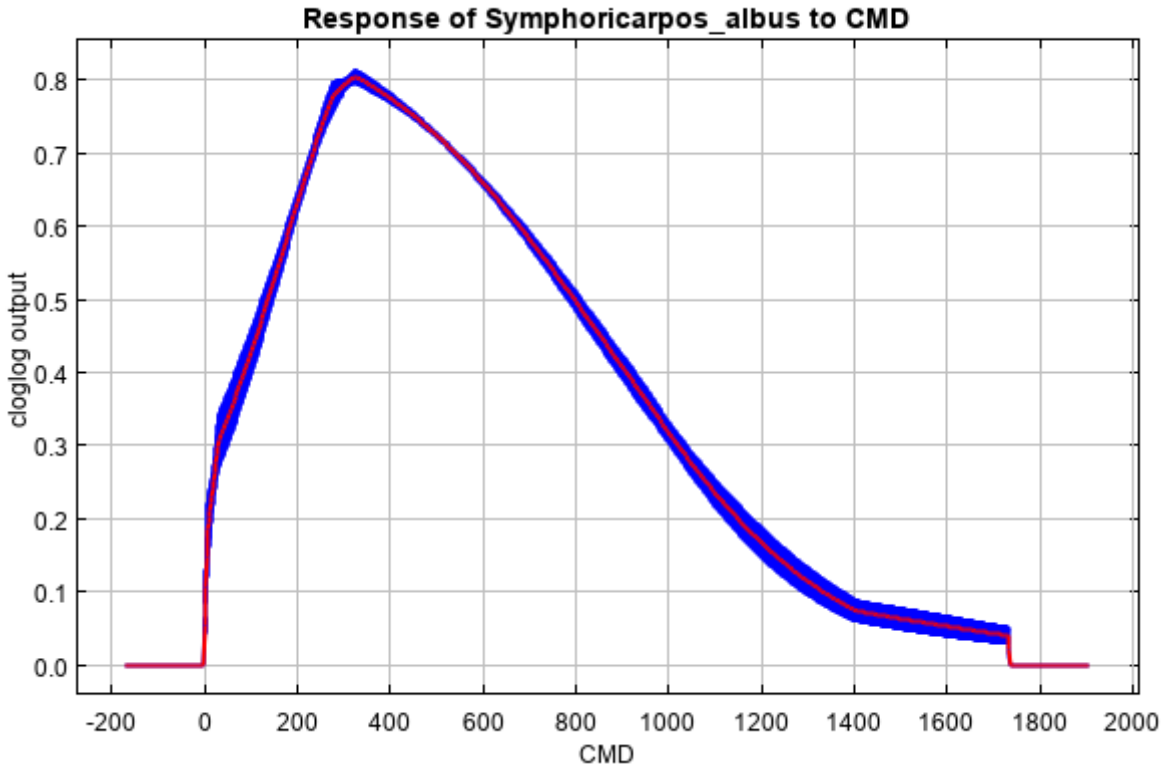
Appendix Figure 4. MaxEnt response curve for AHM (Annual Heat Moisture Index) when all other variables are included, curve represents 10-fold CV with mean response in red and SD in blue.



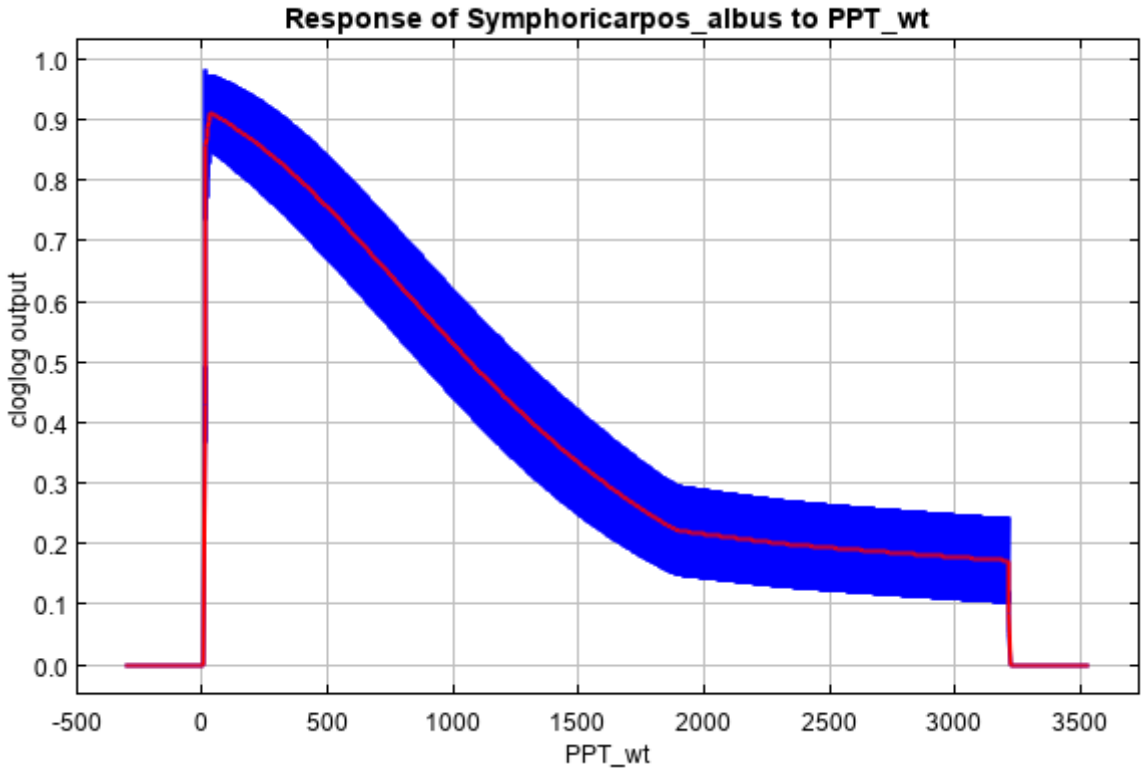
Appendix Figure 5. MaxEnt response curve for AHM (Annual Heat Moisture Index) when all other variables are withheld, curve represents 10-fold CV with mean response in red and SD in blue.



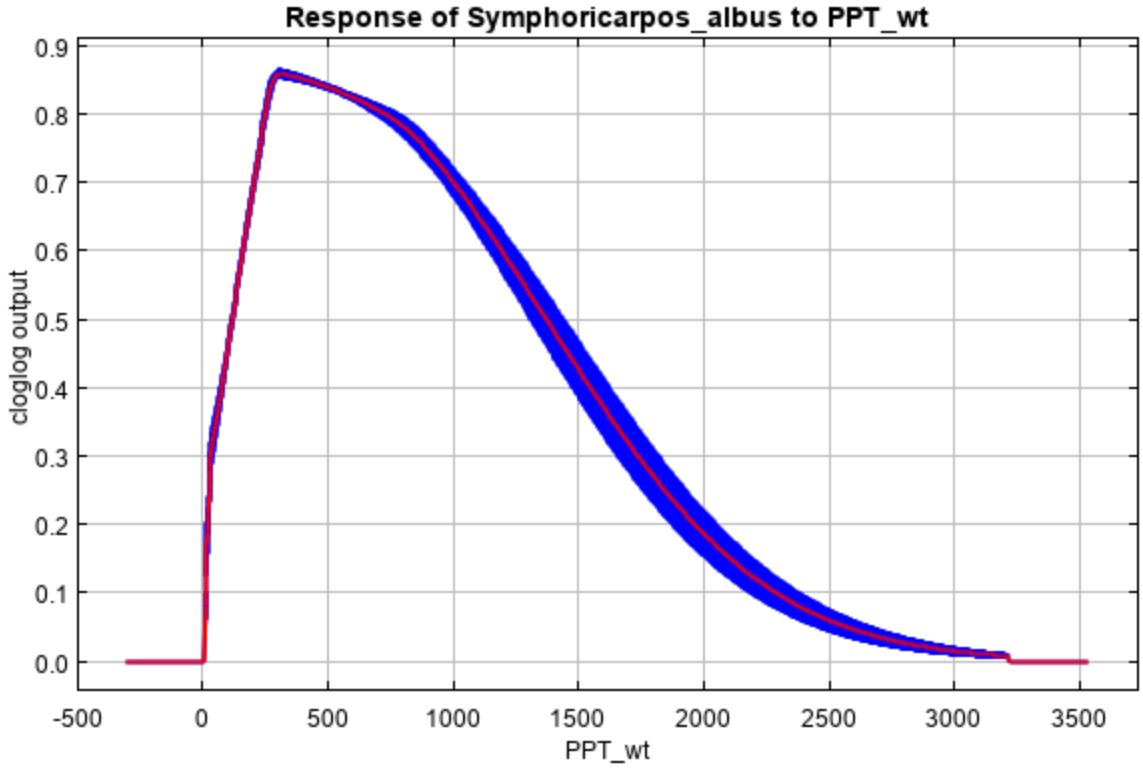
Appendix Figure 6. MaxEnt response curve for CMD (Hargreaves's climate moisture deficit) when all other variables are included, curve represents 10-fold CV with mean response in red and SD in blue.



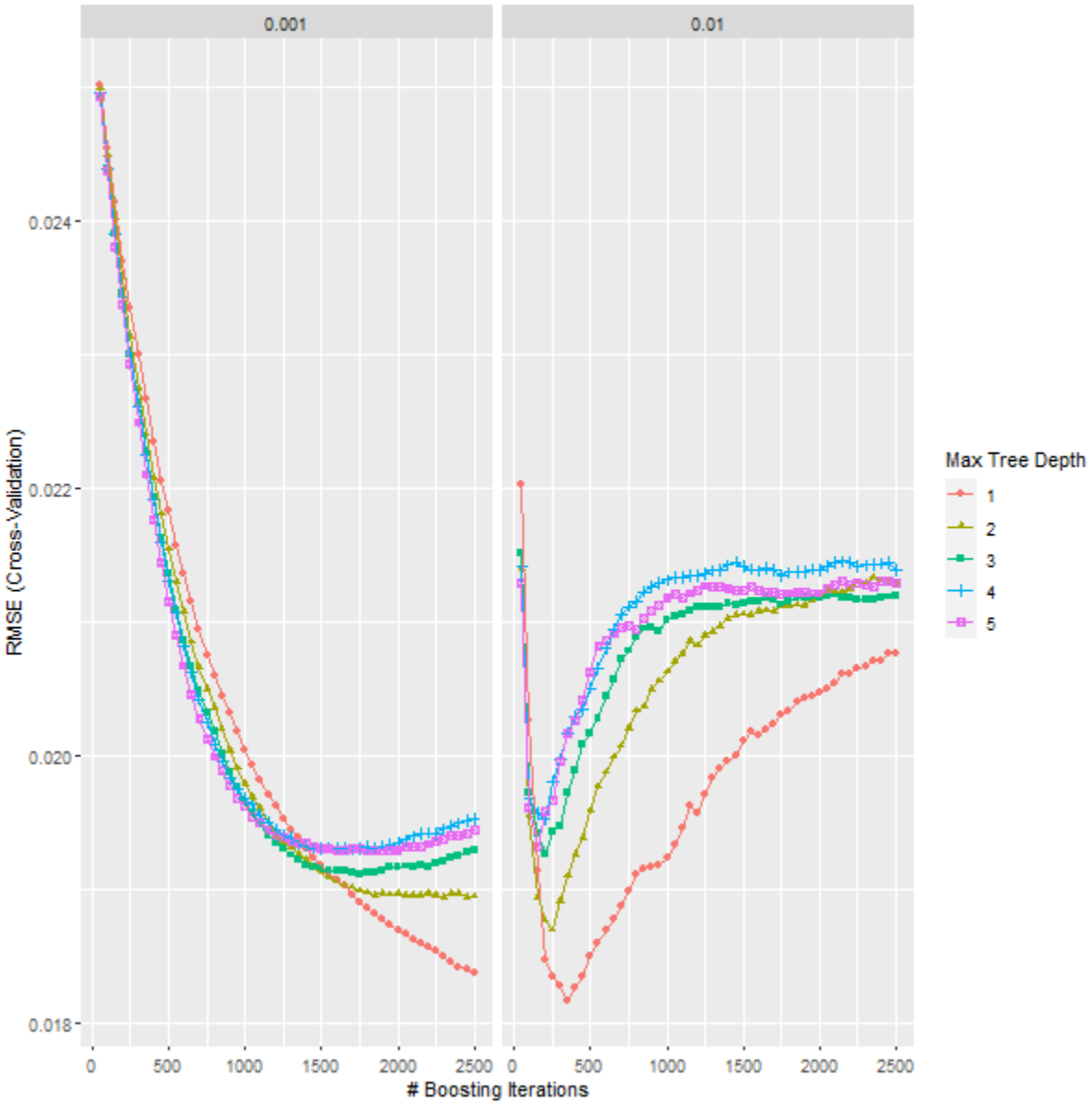
Appendix Figure 7. MaxEnt response curve for CMD (Hargreaves's climate moisture deficit) when all other variables are withheld, curve represents 10-fold CV with mean response in red and SD in blue.



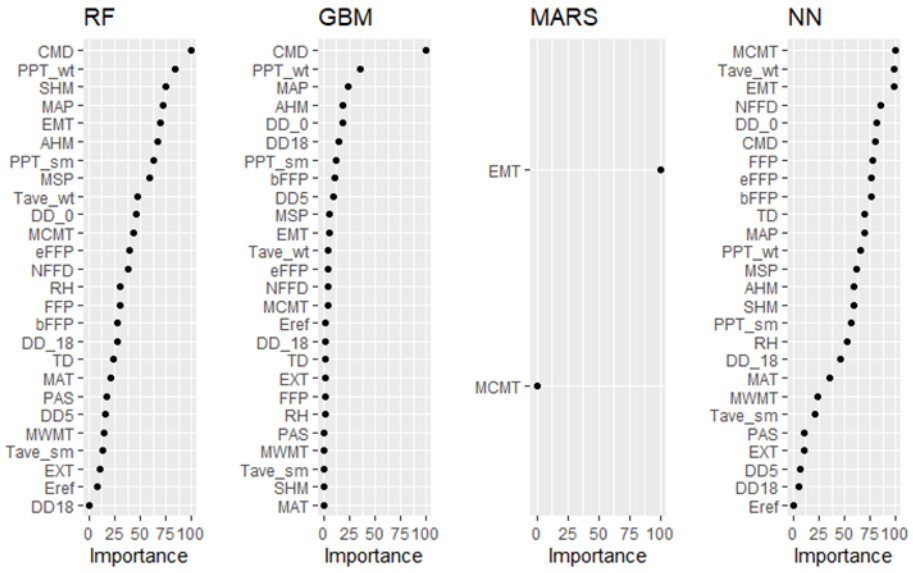
Appendix Figure 8. MaxEnt response curve for PPT_wt (winter precipitation) when all other variables are included, curve represents 10-fold CV with mean response in red and SD in blue.



Appendix Figure 9. MaxEnt response curve for PPT_wt (winter precipitation) when all other variables are withheld, curve represents 10-fold CV with mean response in red and SD in blue.



Appendix Figure 10. Parameterization of candidate gbm model of mPWR based on tuning grid with optimum model at shrinkage factor of 0.01, maximum tree depth of 1 and 350 boosting iterations assessed via RMSE; note that shrinkage factor of 0.001 may have achieved higher performance eventually with increasing boosting iterations yet at much greater computational cost.



Appendix Figure 11. Variable importance plot of the best performing model from each candidate algorithm following tenfold cross validation; candidate algorithms include random forests (RF), generalized boosted regressions (GBM), multivariate adaptive regression splines (MARS), and neural networks (NN). Legend for variable abbreviations in Table 2.

Appendix Table 1. Unfiltered georeferenced herbaria records for *S. albus* covering the endemic range of var. *laevigatus* with subspecies (when reported), geographic coordinates, collection year and source herbarium (CCH: Consortium California Herbaria, OSU: Oregon State University Herbarium, RMH: Rocky Mountain Herbarium, and CPNWH: Consortium of Pacific Northwest Herbaria).

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	37.92131	-122.58447		CCH
Symphoricarpos albus	*laevigatus*	41.99500	-122.62222		CCH
Symphoricarpos albus	*laevigatus*	34.20084	-118.09427		CCH
Symphoricarpos albus	*laevigatus*	37.59444	-121.88750	1900	CCH
Symphoricarpos albus	*laevigatus*	37.42500	-122.17360	1900	CCH
Symphoricarpos albus	*laevigatus*	37.37831	-122.19634	1901	CCH
Symphoricarpos albus	*laevigatus*	37.37831	-122.19634	1901	CCH
Symphoricarpos albus	*laevigatus*	36.23417	-121.54778	1901	CCH
Symphoricarpos albus	*laevigatus*	36.23417	-121.54778	1901	CCH
Symphoricarpos albus	*laevigatus*	37.41930	-122.35050	1901	CCH
Symphoricarpos albus	*laevigatus*	37.43523	-122.31983	1901	CCH
Symphoricarpos albus	*laevigatus*	38.50660	-122.73140	1902	CCH
Symphoricarpos albus	*laevigatus*	41.30975	-122.30933	1902	CCH
Symphoricarpos albus	*laevigatus*	37.31730	-122.14710	1903	CCH
Symphoricarpos albus	*laevigatus*	37.31730	-122.14710	1903	CCH
Symphoricarpos albus	*laevigatus*	39.29755	-123.56745	1903	CCH
Symphoricarpos albus	*laevigatus*	37.31730	-122.14710	1903	CCH
Symphoricarpos albus	*laevigatus*	41.20832	-122.26962	1903	CCH
Symphoricarpos albus	*laevigatus*	39.29755	-123.56745	1903	CCH
Symphoricarpos albus	*laevigatus*	33.10070	-116.64300	1903	CCH
Symphoricarpos albus	*laevigatus*	37.43112	-122.18517	1904	CCH
Symphoricarpos albus		37.21458	-122.06120	1904	CCH
Symphoricarpos albus	*laevigatus*	37.22020	-122.03440	1904	CCH
Symphoricarpos albus	*laevigatus*	37.20939	-122.05352	1904	CCH
Symphoricarpos albus	*laevigatus*	37.21910	-122.02120	1904	CCH
Symphoricarpos albus	*laevigatus*	37.20939	-122.05352	1904	CCH
Symphoricarpos albus	*laevigatus*	38.35189	-120.94175	1904	CCH
Symphoricarpos albus	*laevigatus*	38.35625	-120.93337	1904	CCH
Symphoricarpos albus	*laevigatus*	36.53797	-121.87575	1905	CCH
Symphoricarpos albus	*laevigatus*	39.27765	-122.94009	1905	CCH
Symphoricarpos albus	*laevigatus*	37.86350	-122.27300	1906	CCH
Symphoricarpos albus		37.41773	-122.25759	1906	CCH
Symphoricarpos albus	*laevigatus*	37.51310	-122.36430	1906	CCH
Symphoricarpos albus	*laevigatus*	37.41770	-122.25760	1906	CCH
Symphoricarpos albus	*laevigatus*	39.26483	-123.59047	1906	CCH
Symphoricarpos albus		37.87010	-122.26680	1906	CCH
Symphoricarpos albus	*laevigatus*	37.87010	-122.26680	1906	CCH
Symphoricarpos albus	*laevigatus*	37.39615	-122.16198	1907	CCH
Symphoricarpos albus		34.24080	-117.33810	1907	CCH
Symphoricarpos albus	*laevigatus*	36.54374	-121.89550	1907	CCH
Symphoricarpos albus	*laevigatus*	38.40222	-122.82278	1907	CCH
Symphoricarpos albus	*laevigatus*	37.51310	-122.36430	1907	CCH
Symphoricarpos albus	*laevigatus*	37.12653	-122.12055	1907	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	40.46972	-123.55785	1908	CCH
Symphoricarpos albus	*laevigatus*	41.62448	-122.96745	1908	CCH
Symphoricarpos albus	*laevigatus*	37.42174	-122.16246	1909	CCH
Symphoricarpos albus	*laevigatus*	37.92131	-122.58447	1909	CCH
Symphoricarpos albus	*laevigatus*	41.73234	-122.64111	1910	CCH
Symphoricarpos albus	*laevigatus*	37.94796	-122.55714	1912	CCH
Symphoricarpos albus	*laevigatus*	37.85748	-122.49155	1912	CCH
Symphoricarpos albus	*laevigatus*	39.85819	-120.85040	1912	CCH
Symphoricarpos albus	*laevigatus*	37.88587	-122.08977	1912	CCH
Symphoricarpos albus	*laevigatus*	41.30975	-122.30933	1912	CCH
Symphoricarpos albus	*laevigatus*	41.33150	-122.33620	1912	CCH
Symphoricarpos albus	*laevigatus*	40.80450	-122.28880	1912	CCH
Symphoricarpos albus	*laevigatus*	37.26740	-122.01460	1912	CCH
Symphoricarpos albus	*laevigatus*	37.26740	-122.01460	1912	CCH
Symphoricarpos albus	*laevigatus*	39.22944	-123.36361	1912	CCH
Symphoricarpos albus		39.93690	-120.94610	1913	CCH
Symphoricarpos albus	*laevigatus*	39.15028	-123.20667	1913	CCH
Symphoricarpos albus	*laevigatus*	39.93694	-120.94611	1913	CCH
Symphoricarpos albus	*laevigatus*	39.93690	-120.94610	1913	CCH
Symphoricarpos albus	*laevigatus*	38.76847	-123.52966	1913	CCH
Symphoricarpos albus	*laevigatus*	41.36618	-122.64798	1913	CCH
Symphoricarpos albus	*laevigatus*	40.54820	-124.09567	1914	CCH
Symphoricarpos albus	*laevigatus*	41.26528	-122.29028	1914	CCH
Symphoricarpos albus	*laevigatus*	40.53720	-124.06010	1915	CCH
Symphoricarpos albus		37.72350	-122.15900	1915	CCH
Symphoricarpos albus	*laevigatus*	37.87490	-121.95030	1916	CCH
Symphoricarpos albus	*laevigatus*	39.54563	-123.42262	1916	CCH
Symphoricarpos albus	*laevigatus*	39.16254	-122.61156	1916	CCH
Symphoricarpos albus	*laevigatus*	39.18389	-122.70444	1916	CCH
Symphoricarpos albus	*laevigatus*	39.18389	-122.70444	1916	CCH
Symphoricarpos albus	*laevigatus*	37.92594	-122.59426	1917	CCH
Symphoricarpos albus	*laevigatus*	37.76420	-121.97300	1917	CCH
Symphoricarpos albus	*laevigatus*	41.24677	-122.26138	1917	CCH
Symphoricarpos albus	*laevigatus*	38.65844	-122.62287	1918	CCH
Symphoricarpos albus	*laevigatus*	37.87332	-122.22277	1918	CCH
Symphoricarpos albus	*laevigatus*	38.01132	-122.70223	1918	CCH
Symphoricarpos albus	*mollis*	34.18985	-117.98683	1919	CCH
Symphoricarpos albus	*laevigatus*	37.94766	-120.46761	1919	CCH
Symphoricarpos albus	*laevigatus*	37.95233	-120.45893	1919	CCH
Symphoricarpos albus	*laevigatus*	37.95233	-120.45893	1919	CCH
Symphoricarpos albus	*laevigatus*	37.31925	-122.27388	1919	CCH
Symphoricarpos albus	*laevigatus*	38.01132	-122.70223	1919	CCH
Symphoricarpos albus	*laevigatus*	37.94596	-120.52921	1919	CCH
Symphoricarpos albus	*laevigatus*	39.68219	-123.48854	1919	CCH
Symphoricarpos albus	*laevigatus*	33.36337	-116.83613	1920	CCH
Symphoricarpos albus	*laevigatus*	40.25226	-121.16028	1920	CCH
Symphoricarpos albus	*laevigatus*	32.83589	-116.53068	1920	CCH
Symphoricarpos albus	*laevigatus*	37.94639	-120.52836	1920	CCH
Symphoricarpos albus	*laevigatus*	37.94639	-120.52836	1920	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	41.05041	-123.67422	1920	CCH
Symphoricarpos albus	*laevigatus*	34.18619	-117.02894	1921	CCH
Symphoricarpos albus	*laevigatus*	41.53531	-123.98028	1921	CCH
Symphoricarpos albus	*laevigatus*	37.82587	-122.20122	1921	CCH
Symphoricarpos albus	*laevigatus*	37.79130	-122.17426	1922	CCH
Symphoricarpos albus	*laevigatus*	38.06667	-122.73333	1922	CCH
Symphoricarpos albus	*laevigatus*	40.87562	-124.05293	1922	CCH
Symphoricarpos albus	*laevigatus*	37.87353	-122.23781	1922	CCH
Symphoricarpos albus	*laevigatus*	32.60640	-116.46900	1922	CCH
Symphoricarpos albus	*laevigatus*	37.86663	-122.22939	1923	CCH
Symphoricarpos albus	*laevigatus*	40.13972	-120.95000	1924	CCH
Symphoricarpos albus	*laevigatus*	40.13972	-120.95000	1924	CCH
Symphoricarpos albus	*laevigatus*	39.31160	-123.10360	1925	CCH
Symphoricarpos albus	*laevigatus*	37.31925	-122.27388	1925	CCH
Symphoricarpos albus	*laevigatus*	37.36700	-122.10036	1925	CCH
Symphoricarpos albus	*laevigatus*	33.03829	-116.56320	1925	CCH
Symphoricarpos albus	*laevigatus*	37.87353	-122.23781	1926	CCH
Symphoricarpos albus		35.56400	-121.08084	1926	CCH
Symphoricarpos albus	*laevigatus*	41.74943	-124.20798	1926	CCH
Symphoricarpos albus	*laevigatus*	40.44326	-123.68207	1926	CCH
Symphoricarpos albus	*laevigatus*	39.92870	-121.06970	1926	CCH
Symphoricarpos albus	*laevigatus*	40.85672	-122.88986	1926	CCH
Symphoricarpos albus	*laevigatus*	32.85842	-116.61040	1926	CCH
Symphoricarpos albus	*laevigatus*	37.31918	-122.33696	1926	CCH
Symphoricarpos albus	*laevigatus*	41.87145	-123.85042	1927	CCH
Symphoricarpos albus	*laevigatus*	41.84998	-122.57041	1927	CCH
Symphoricarpos albus	*laevigatus*	39.98067	-123.94526	1927	CCH
Symphoricarpos albus	*laevigatus*	40.80173	-124.16323	1928	CCH
Symphoricarpos albus	*laevigatus*	33.24170	-116.76300	1928	CCH
Symphoricarpos albus	*laevigatus*	33.24170	-116.76300	1928	CCH
Symphoricarpos albus	*laevigatus*	40.32150	-123.92200	1928	CCH
Symphoricarpos albus	*laevigatus*	41.42928	-123.18764	1928	CCH
Symphoricarpos albus	*laevigatus*	38.80763	-123.00753	1928	CCH
Symphoricarpos albus		34.10008	-118.50328	1929	CCH
Symphoricarpos albus	*laevigatus*	37.40436	-122.23369	1929	CCH
Symphoricarpos albus	*laevigatus*	36.15910	-121.54080	1929	CCH
Symphoricarpos albus	*laevigatus*	41.84556	-123.96833	1929	CCH
Symphoricarpos albus	*laevigatus*	37.40347	-122.25742	1930	CCH
Symphoricarpos albus	*laevigatus*	37.89101	-121.80003	1930	CCH
Symphoricarpos albus	*laevigatus*	37.89101	-121.80003	1930	CCH
Symphoricarpos albus	*laevigatus*	37.44056	-122.32350	1930	CCH
Symphoricarpos albus	*laevigatus*	35.82700	-121.19760	1930	CCH
Symphoricarpos albus	*laevigatus*	36.56249	-118.74963	1930	CCH
Symphoricarpos albus	*laevigatus*	37.94111	-121.93472	1930	CCH
Symphoricarpos albus	*laevigatus*	41.31095	-122.33587	1930	CCH
Symphoricarpos albus	*laevigatus*	41.31095	-122.33587	1930	CCH
Symphoricarpos albus	*laevigatus*	41.31242	-122.33972	1930	CCH
Symphoricarpos albus	*laevigatus*	40.24330	-124.12374	1930	CCH
Symphoricarpos albus	*laevigatus*	40.24330	-124.12374	1930	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	40.24360	-124.12400	1930	CCH
Symphoricarpos albus		37.87300	-122.24120	1931	CCH
Symphoricarpos albus	*laevigatus*	33.35473	-118.33426	1931	CCH
Symphoricarpos albus	*laevigatus*	37.89889	-121.99750	1931	CCH
Symphoricarpos albus	*laevigatus*	40.31419	-123.91518	1931	CCH
Symphoricarpos albus	*laevigatus*	37.85893	-121.89064	1931	CCH
Symphoricarpos albus	*laevigatus*	37.12080	-121.96890	1931	CCH
Symphoricarpos albus	*laevigatus*	39.30226	-121.02593	1931	CCH
Symphoricarpos albus	*laevigatus*	39.00357	-122.84300	1931	CCH
Symphoricarpos albus	*laevigatus*	38.80320	-123.05010	1931	CCH
Symphoricarpos albus	*laevigatus*	38.80320	-123.05010	1931	CCH
Symphoricarpos albus	*laevigatus*	39.16680	-123.61061	1931	CCH
Symphoricarpos albus	*laevigatus*	41.31108	-122.31155	1931	CCH
Symphoricarpos albus	*laevigatus*	41.31316	-122.30800	1931	CCH
Symphoricarpos albus	*laevigatus*	37.87645	-122.23793	1931	CCH
Symphoricarpos albus	*laevigatus*	37.32510	-121.64980	1931	CCH
Symphoricarpos albus	*laevigatus*	37.39880	-122.18950	1931	CCH
Symphoricarpos albus	*laevigatus*	37.40320	-122.19250	1931	CCH
Symphoricarpos albus	*laevigatus*	37.41419	-122.19009	1931	CCH
Symphoricarpos albus	*laevigatus*	37.82235	-122.16491	1931	CCH
Symphoricarpos albus	*laevigatus*	40.31994	-123.37318	1931	CCH
Symphoricarpos albus	*laevigatus*	37.50445	-121.53943	1931	CCH
Symphoricarpos albus	*laevigatus*	34.18699	-117.75469	1931	CCH
Symphoricarpos albus	*laevigatus*	37.87297	-122.24117	1931	CCH
Symphoricarpos albus	*laevigatus*	40.26971	-123.32121	1931	CCH
Symphoricarpos albus	*laevigatus*	37.74488	-122.03022	1932	CCH
Symphoricarpos albus	*laevigatus*	38.16330	-122.74790	1932	CCH
Symphoricarpos albus	*laevigatus*	38.24109	-122.96024	1932	CCH
Symphoricarpos albus	*laevigatus*	38.66241	-120.06046	1932	CCH
Symphoricarpos albus	*laevigatus*	40.35090	-123.92830	1932	CCH
Symphoricarpos albus	*laevigatus*	39.80740	-123.14840	1932	CCH
Symphoricarpos albus	*laevigatus*	34.05394	-116.96466	1932	CCH
Symphoricarpos albus	*laevigatus*	32.85283	-116.61585	1932	CCH
Symphoricarpos albus	*laevigatus*	37.96100	-122.29040	1933	CCH
Symphoricarpos albus	*laevigatus*	41.82432	-122.67085	1933	CCH
Symphoricarpos albus	*laevigatus*	41.82432	-122.67085	1933	CCH
Symphoricarpos albus	*laevigatus*	40.43994	-123.47580	1933	CCH
Symphoricarpos albus	*laevigatus*	38.57823	-122.61867	1933	CCH
Symphoricarpos albus	*laevigatus*	38.10057	-122.86287	1933	CCH
Symphoricarpos albus		37.87297	-122.24117	1933	CCH
Symphoricarpos albus		37.87353	-122.23781	1933	CCH
Symphoricarpos albus	*laevigatus*	37.87645	-122.23793	1933	CCH
Symphoricarpos albus	*laevigatus*	37.87645	-122.23793	1933	CCH
Symphoricarpos albus	*laevigatus*	37.87353	-122.23781	1933	CCH
Symphoricarpos albus	*laevigatus*	37.38333	-121.69167	1934	CCH
Symphoricarpos albus	*laevigatus*	34.18700	-118.38130	1934	CCH
Symphoricarpos albus	*laevigatus*	37.89300	-122.24540	1934	CCH
Symphoricarpos albus	*laevigatus*	32.99264	-116.56513	1934	CCH
Symphoricarpos albus	*laevigatus*	36.69870	-121.31104	1934	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	36.69870	-121.31104	1934	CCH
Symphoricarpos albus	*laevigatus*	40.35766	-123.98672	1934	CCH
Symphoricarpos albus	*laevigatus*	36.31085	-121.56833	1934	CCH
Symphoricarpos albus	*laevigatus*	33.04838	-116.63085	1934	CCH
Symphoricarpos albus	*laevigatus*	38.17159	-122.91205	1934	CCH
Symphoricarpos albus	*laevigatus*	37.42500	-122.17360	1935	CCH
Symphoricarpos albus	*laevigatus*	37.06190	-121.95340	1935	CCH
Symphoricarpos albus	*laevigatus*	32.84330	-116.48100	1935	CCH
Symphoricarpos albus	*laevigatus*	36.97530	-121.84460	1935	CCH
Symphoricarpos albus	*laevigatus*	36.97530	-121.84460	1935	CCH
Symphoricarpos albus		40.67690	-122.83060	1935	CCH
Symphoricarpos albus	*laevigatus*	36.97530	-121.84460	1935	CCH
Symphoricarpos albus	*laevigatus*	37.35400	-122.29040	1935	CCH
Symphoricarpos albus	*laevigatus*	32.99264	-116.56513	1935	CCH
Symphoricarpos albus	*laevigatus*	38.00930	-120.33090	1935	CCH
Symphoricarpos albus	*laevigatus*	37.18140	-121.87420	1935	CCH
Symphoricarpos albus	*laevigatus*	33.28809	-116.59418	1935	CCH
Symphoricarpos albus	*laevigatus*	38.88176	-122.72392	1935	CCH
Symphoricarpos albus	*laevigatus*	35.24520	-120.78030	1936	CCH
Symphoricarpos albus		37.93040	-122.28440	1936	CCH
Symphoricarpos albus	*laevigatus*	37.93040	-122.28440	1936	CCH
Symphoricarpos albus	*laevigatus*	39.46708	-123.72683	1936	CCH
Symphoricarpos albus	*laevigatus*	38.47440	-120.69560	1936	CCH
Symphoricarpos albus	*laevigatus*	38.47440	-120.69560	1936	CCH
Symphoricarpos albus	*laevigatus*	33.09181	-116.58387	1936	CCH
Symphoricarpos albus	*laevigatus*	33.04838	-116.63085	1936	CCH
Symphoricarpos albus	*laevigatus*	38.37370	-120.64170	1936	CCH
Symphoricarpos albus	*laevigatus*	36.83337	-121.73017	1936	CCH
Symphoricarpos albus	*laevigatus*	38.27233	-120.69412	1936	CCH
Symphoricarpos albus	*laevigatus*	35.53650	-120.80880	1937	CCH
Symphoricarpos albus	*laevigatus*	37.35610	-122.21140	1937	CCH
Symphoricarpos albus	*laevigatus*	35.33180	-120.44090	1937	CCH
Symphoricarpos albus	*laevigatus*	39.00440	-122.82830	1937	CCH
Symphoricarpos albus	*laevigatus*	37.40724	-122.21157	1937	CCH
Symphoricarpos albus	*laevigatus*	38.41690	-120.60390	1937	CCH
Symphoricarpos albus	*laevigatus*	41.06602	-122.93392	1937	CCH
Symphoricarpos albus	*laevigatus*	37.40407	-122.23662	1937	CCH
Symphoricarpos albus	*laevigatus*	38.97307	-122.83470	1937	CCH
Symphoricarpos albus	*laevigatus*	37.88019	-122.45784	1939	CCH
Symphoricarpos albus		37.38320	-122.16710	1939	CCH
Symphoricarpos albus	*laevigatus*	37.41920	-122.13924	1939	CCH
Symphoricarpos albus	*laevigatus*	37.41920	-122.13924	1939	CCH
Symphoricarpos albus	*laevigatus*	37.41920	-122.13924	1939	CCH
Symphoricarpos albus	*laevigatus*	39.94040	-120.94759	1939	CCH
Symphoricarpos albus	*laevigatus*	40.87680	-123.99260	1939	CCH
Symphoricarpos albus	*laevigatus*	40.87680	-123.99260	1939	CCH
Symphoricarpos albus	*laevigatus*	41.85029	-124.12297	1939	CCH
Symphoricarpos albus	*laevigatus*	33.28809	-116.59418	1940	CCH
Symphoricarpos albus		38.05809	-120.43032	1940	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	38.05809	-120.43032	1940	CCH
Symphoricarpos albus	*laevigatus*	32.99264	-116.56513	1940	CCH
Symphoricarpos albus	*laevigatus*	33.07866	-116.60196	1940	CCH
Symphoricarpos albus	*laevigatus*	37.87645	-122.23793	1941	CCH
Symphoricarpos albus		36.59704	-121.92354	1941	CCH
Symphoricarpos albus	*laevigatus*	36.59704	-121.92354	1941	CCH
Symphoricarpos albus	*laevigatus*	39.20497	-121.14858	1941	CCH
Symphoricarpos albus	*laevigatus*	38.88204	-122.72551	1942	CCH
Symphoricarpos albus	*laevigatus*	38.76925	-120.69828	1942	CCH
Symphoricarpos albus	*laevigatus*	37.87297	-122.24117	1943	CCH
Symphoricarpos albus	*laevigatus*	38.73641	-122.27028	1943	CCH
Symphoricarpos albus	*laevigatus*	40.56047	-123.23235	1943	CCH
Symphoricarpos albus	*laevigatus*	37.87645	-122.23793	1943	CCH
Symphoricarpos albus	*laevigatus*	37.87297	-122.24117	1943	CCH
Symphoricarpos albus		37.91367	-122.28488	1944	CCH
Symphoricarpos albus	*laevigatus*	37.91350	-122.28460	1944	CCH
Symphoricarpos albus	*laevigatus*	32.75442	-116.64844	1944	CCH
Symphoricarpos albus		38.73507	-120.63023	1944	CCH
Symphoricarpos albus		38.73507	-120.63023	1944	CCH
Symphoricarpos albus	*laevigatus*	32.85333	-116.57250	1944	CCH
Symphoricarpos albus		33.48333	-115.70000	1944	CCH
Symphoricarpos albus	*laevigatus*	33.14669	-116.60030	1946	CCH
Symphoricarpos albus	*laevigatus*	36.39393	-121.54102	1946	CCH
Symphoricarpos albus	*laevigatus*	34.56200	-120.14300	1946	CCH
Symphoricarpos albus	*laevigatus*	33.32485	-116.48823	1947	CCH
Symphoricarpos albus	*laevigatus*	39.02940	-123.39060	1948	CCH
Symphoricarpos albus	*laevigatus*	37.40375	-122.15691	1949	CCH
Symphoricarpos albus	*laevigatus*	37.35205	-122.17395	1949	CCH
Symphoricarpos albus	*laevigatus*	37.55954	-122.34198	1950	CCH
Symphoricarpos albus	*laevigatus*	35.53795	-120.83382	1950	CCH
Symphoricarpos albus	*laevigatus*	35.53795	-120.83382	1950	CCH
Symphoricarpos albus	*laevigatus*	39.97952	-120.93610	1950	CCH
Symphoricarpos albus	*laevigatus*	40.13637	-120.93502	1950	CCH
Symphoricarpos albus	*laevigatus*	37.00000	-121.80333	1950	CCH
Symphoricarpos albus		36.46997	-121.73310	1951	CCH
Symphoricarpos albus	*laevigatus*	32.99122	-116.58850	1951	CCH
Symphoricarpos albus	*laevigatus*	38.37332	-122.41842	1951	CCH
Symphoricarpos albus	*laevigatus*	38.61921	-122.83939	1952	CCH
Symphoricarpos albus	*laevigatus*	39.77667	-121.42733	1952	CCH
Symphoricarpos albus	*laevigatus*	37.12667	-121.97667	1953	CCH
Symphoricarpos albus	*laevigatus*	37.10833	-121.98500	1953	CCH
Symphoricarpos albus	*laevigatus*	38.98902	-123.07967	1953	CCH
Symphoricarpos albus	*laevigatus*	37.13000	-121.97833	1953	CCH
Symphoricarpos albus	*laevigatus*	37.25000	-122.11667	1953	CCH
Symphoricarpos albus	*laevigatus*	32.92889	-116.56383	1953	CCH
Symphoricarpos albus	*laevigatus*	37.15500	-122.16333	1953	CCH
Symphoricarpos albus	*laevigatus*	37.15500	-122.16333	1953	CCH
Symphoricarpos albus	*laevigatus*	37.15028	-122.15111	1953	CCH
Symphoricarpos albus		36.00500	-121.39400	1954	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	36.00500	-121.39400	1954	CCH
Symphoricarpos albus	*laevigatus*	36.00500	-121.39400	1954	CCH
Symphoricarpos albus	*laevigatus*	37.75320	-122.46190	1954	CCH
Symphoricarpos albus	*laevigatus*	37.77832	-122.51278	1954	CCH
Symphoricarpos albus	*laevigatus*	37.75320	-122.46190	1954	CCH
Symphoricarpos albus	*laevigatus*	36.53535	-121.75017	1955	CCH
Symphoricarpos albus	*laevigatus*	36.53535	-121.75017	1955	CCH
Symphoricarpos albus	*laevigatus*	39.15500	-123.64000	1955	CCH
Symphoricarpos albus	*laevigatus*	41.46058	-122.90886	1955	CCH
Symphoricarpos albus	*laevigatus*	36.41197	-121.59352	1955	CCH
Symphoricarpos albus	*laevigatus*	36.41197	-121.59352	1955	CCH
Symphoricarpos albus	*laevigatus*	36.41197	-121.59352	1955	CCH
Symphoricarpos albus	*laevigatus*	33.16976	-116.68424	1956	CCH
Symphoricarpos albus	*laevigatus*	36.26816	-121.54700	1956	CCH
Symphoricarpos albus	*laevigatus*	36.26816	-121.54700	1956	CCH
Symphoricarpos albus	*laevigatus*	41.27869	-123.57626	1956	CCH
Symphoricarpos albus	*laevigatus*	37.75770	-122.45990	1957	CCH
Symphoricarpos albus	*laevigatus*	37.75850	-122.45920	1957	CCH
Symphoricarpos albus	*laevigatus*	37.75850	-122.45920	1957	CCH
Symphoricarpos albus	*laevigatus*	37.75850	-122.45920	1957	CCH
Symphoricarpos albus	*laevigatus*	37.16130	-121.83490	1958	CCH
Symphoricarpos albus	*laevigatus*	37.16130	-121.83490	1958	CCH
Symphoricarpos albus	*laevigatus*	37.16760	-121.82770	1958	CCH
Symphoricarpos albus	*laevigatus*	37.16472	-121.82722	1958	CCH
Symphoricarpos albus	*laevigatus*	39.42605	-123.38634	1959	CCH
Symphoricarpos albus	*laevigatus*	40.13972	-120.95000	1959	CCH
Symphoricarpos albus	*laevigatus*	40.90401	-123.80746	1959	CCH
Symphoricarpos albus	*laevigatus*	40.92320	-123.79890	1959	CCH
Symphoricarpos albus	*laevigatus*	40.92320	-123.79890	1959	CCH
Symphoricarpos albus	*laevigatus*	34.35300	-119.31100	1960	CCH
Symphoricarpos albus	*laevigatus*	34.35300	-119.31100	1960	CCH
Symphoricarpos albus	*laevigatus*	37.68333	-122.43333	1961	CCH
Symphoricarpos albus	*laevigatus*	37.68333	-122.43333	1961	CCH
Symphoricarpos albus	*laevigatus*	40.13972	-120.95000	1961	CCH
Symphoricarpos albus	*laevigatus*	37.68996	-122.43706	1961	CCH
Symphoricarpos albus		33.06732	-116.58561	1961	CCH
Symphoricarpos albus	*laevigatus*	40.44159	-123.98282	1962	CCH
Symphoricarpos albus	*laevigatus*	38.01833	-122.77111	1962	CCH
Symphoricarpos albus	*laevigatus*	36.32742	-121.49202	1962	CCH
Symphoricarpos albus	*laevigatus*	36.32742	-121.49202	1962	CCH
Symphoricarpos albus	*laevigatus*	38.54905	-122.45232	1962	CCH
Symphoricarpos albus	*laevigatus*	36.18694	-120.69917	1963	CCH
Symphoricarpos albus	*laevigatus*	37.69111	-122.41933	1963	CCH
Symphoricarpos albus	*laevigatus*	37.67742	-122.41480	1963	CCH
Symphoricarpos albus	*laevigatus*	38.36840	-122.64780	1963	CCH
Symphoricarpos albus	*laevigatus*	37.69295	-122.43780	1964	CCH
Symphoricarpos albus	*laevigatus*	37.69720	-122.45080	1964	CCH
Symphoricarpos albus	*laevigatus*	37.41083	-122.22098	1964	CCH
Symphoricarpos albus	*laevigatus*	37.40833	-122.23333	1964	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	35.68383	-118.67874	1965	CCH
Symphoricarpos albus	*laevigatus*	35.68383	-118.67874	1965	CCH
Symphoricarpos albus	*laevigatus*	35.68383	-118.67874	1965	CCH
Symphoricarpos albus	*laevigatus*	37.86969	-122.43135	1967	CCH
Symphoricarpos albus	*laevigatus*	37.69433	-122.44191	1967	CCH
Symphoricarpos albus	*laevigatus*	39.04073	-120.81827	1967	CCH
Symphoricarpos albus	*laevigatus*	37.59246	-121.93233	1967	CCH
Symphoricarpos albus	*laevigatus*	37.59246	-121.93233	1967	CCH
Symphoricarpos albus	*laevigatus*	37.59246	-121.93233	1967	CCH
Symphoricarpos albus	*laevigatus*	40.00076	-120.97670	1968	CCH
Symphoricarpos albus		39.73000	-121.84611	1968	CCH
Symphoricarpos albus	*laevigatus*	34.30809	-118.32595	1968	CCH
Symphoricarpos albus	*laevigatus*	34.30622	-118.32725	1968	CCH
Symphoricarpos albus	*laevigatus*	34.35843	-118.44805	1968	CCH
Symphoricarpos albus	*laevigatus*	34.35833	-118.44667	1968	CCH
Symphoricarpos albus	*laevigatus*	38.50784	-122.35448	1969	CCH
Symphoricarpos albus	*laevigatus*	33.61750	-116.62350	1969	CCH
Symphoricarpos albus	*laevigatus*	33.61750	-116.62350	1969	CCH
Symphoricarpos albus	*laevigatus*	33.61750	-116.62350	1969	CCH
Symphoricarpos albus	*laevigatus*	39.86056	-120.85306	1969	CCH
Symphoricarpos albus	*laevigatus*	32.97064	-116.58236	1969	CCH
Symphoricarpos albus	*laevigatus*	41.37780	-123.49390	1970	CCH
Symphoricarpos albus	*laevigatus*	40.61944	-122.57250	1970	CCH
Symphoricarpos albus	*laevigatus*	37.03970	-121.81658	1970	CCH
Symphoricarpos albus	*laevigatus*	41.36563	-123.41453	1970	CCH
Symphoricarpos albus	*laevigatus*	38.60778	-120.73206	1970	CCH
Symphoricarpos albus	*laevigatus*	34.35800	-119.31700	1971	CCH
Symphoricarpos albus	*laevigatus*	40.85860	-123.99540	1971	CCH
Symphoricarpos albus	*laevigatus*	40.55037	-124.27449	1971	CCH
Symphoricarpos albus	*laevigatus*	40.55037	-124.27449	1971	CCH
Symphoricarpos albus	*laevigatus*	40.39220	-123.51520	1971	CCH
Symphoricarpos albus	*laevigatus*	32.80061	-116.49974	1971	CCH
Symphoricarpos albus	*laevigatus*	32.96981	-116.60999	1971	CCH
Symphoricarpos albus	*laevigatus*	40.94198	-123.16009	1971	CCH
Symphoricarpos albus	*laevigatus*	41.32491	-122.85515	1971	CCH
Symphoricarpos albus	*laevigatus*	41.02893	-123.15755	1971	CCH
Symphoricarpos albus	*laevigatus*	40.84450	-123.98230	1971	CCH
Symphoricarpos albus	*laevigatus*	36.52480	-121.81502	1972	CCH
Symphoricarpos albus	*laevigatus*	32.97500	-116.61667	1972	CCH
Symphoricarpos albus	*laevigatus*	41.93620	-123.14880	1972	CCH
Symphoricarpos albus	*laevigatus*	41.93620	-123.14880	1972	CCH
Symphoricarpos albus	*laevigatus*	41.91666	-122.55000	1973	CCH
Symphoricarpos albus	*laevigatus*	40.36420	-123.16610	1973	CCH
Symphoricarpos albus	*laevigatus*	32.90000	-116.63333	1973	CCH
Symphoricarpos albus	*laevigatus*	37.57355	-122.47204	1974	CCH
Symphoricarpos albus	*laevigatus*	37.34509	-122.19313	1974	CCH
Symphoricarpos albus	*laevigatus*	40.81037	-123.12022	1974	CCH
Symphoricarpos albus	*laevigatus*	37.07333	-121.98611	1975	CCH
Symphoricarpos albus	*laevigatus*	40.44480	-123.66050	1975	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	40.58287	-122.70426	1975	CCH
Symphoricarpos albus	*laevigatus*	41.60081	-123.51362	1975	CCH
Symphoricarpos albus	*laevigatus*	40.75020	-123.97300	1975	CCH
Symphoricarpos albus	*laevigatus*	37.73910	-122.45250	1975	CCH
Symphoricarpos albus	*laevigatus*	39.74750	-121.64694	1976	CCH
Symphoricarpos albus	*laevigatus*	38.75500	-122.73806	1976	CCH
Symphoricarpos albus	*laevigatus*	36.01333	-121.41278	1976	CCH
Symphoricarpos albus	*laevigatus*	37.40800	-122.22747	1977	CCH
Symphoricarpos albus	*laevigatus*	40.03250	-120.48028	1977	CCH
Symphoricarpos albus	*laevigatus*	41.79510	-123.37680	1977	CCH
Symphoricarpos albus	*laevigatus*	36.60068	-121.92095	1978	CCH
Symphoricarpos albus	*laevigatus*	37.40800	-122.22747	1978	CCH
Symphoricarpos albus	*laevigatus*	39.45075	-123.34786	1979	CCH
Symphoricarpos albus	*laevigatus*	40.33411	-123.38572	1979	CCH
Symphoricarpos albus	*laevigatus*	41.81336	-123.98567	1979	CCH
Symphoricarpos albus	*laevigatus*	40.74108	-123.75975	1979	CCH
Symphoricarpos albus	*laevigatus*	40.14033	-123.21989	1979	CCH
Symphoricarpos albus	*laevigatus*	39.13192	-123.51645	1979	CCH
Symphoricarpos albus	*laevigatus*	39.12120	-123.51690	1979	CCH
Symphoricarpos albus	*laevigatus*	39.78806	-121.54806	1979	CCH
Symphoricarpos albus	*laevigatus*	37.40800	-122.22747	1980	CCH
Symphoricarpos albus	*laevigatus*	41.20361	-123.51528	1980	CCH
Symphoricarpos albus	*laevigatus*	40.73917	-123.26278	1980	CCH
Symphoricarpos albus	*laevigatus*	39.94833	-122.98914	1980	CCH
Symphoricarpos albus	*laevigatus*	32.76409	-116.57253	1980	CCH
Symphoricarpos albus	*laevigatus*	38.92346	-123.29542	1981	CCH
Symphoricarpos albus	*laevigatus*	38.92230	-123.29460	1981	CCH
Symphoricarpos albus	*laevigatus*	39.43009	-123.27338	1981	CCH
Symphoricarpos albus	*laevigatus*	37.40464	-122.23743	1981	CCH
Symphoricarpos albus	*laevigatus*	39.22454	-121.78137	1981	CCH
Symphoricarpos albus	*laevigatus*	39.44594	-123.34205	1982	CCH
Symphoricarpos albus	*laevigatus*	39.43558	-123.35767	1982	CCH
Symphoricarpos albus	*laevigatus*	39.81831	-123.22977	1982	CCH
Symphoricarpos albus	*laevigatus*	39.81831	-123.22977	1982	CCH
Symphoricarpos albus	*laevigatus*	40.17445	-121.00808	1982	CCH
Symphoricarpos albus	*laevigatus*	41.97760	-123.51590	1982	CCH
Symphoricarpos albus	*laevigatus*	36.25100	-120.71580	1983	CCH
Symphoricarpos albus	*laevigatus*	39.79694	-121.73139	1983	CCH
Symphoricarpos albus	*laevigatus*	39.12770	-123.13022	1983	CCH
Symphoricarpos albus	*laevigatus*	39.22454	-121.78137	1983	CCH
Symphoricarpos albus	*laevigatus*	39.36871	-123.32510	1983	CCH
Symphoricarpos albus	*laevigatus*	37.08333	-122.25000	1984	CCH
Symphoricarpos albus	*laevigatus*	41.82667	-122.65694	1984	CCH
Symphoricarpos albus		40.07861	-120.92667	1985	CCH
Symphoricarpos albus	*laevigatus*	40.07861	-120.92667	1985	CCH
Symphoricarpos albus	*laevigatus*	40.07861	-120.92667	1985	CCH
Symphoricarpos albus	*laevigatus*	37.32382	-122.39331	1986	CCH
Symphoricarpos albus	*laevigatus*	39.70944	-121.76444	1987	CCH
Symphoricarpos albus	*laevigatus*	37.71361	-122.47806	1987	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	38.17770	-122.23550	1988	CCH
Symphoricarpos albus	*laevigatus*	40.98980	-123.77830	1989	CCH
Symphoricarpos albus	*laevigatus*	34.74020	-118.65080	1990	CCH
Symphoricarpos albus	*laevigatus*	38.64722	-121.19389	1990	CCH
Symphoricarpos albus	*laevigatus*	38.63944	-122.35028	1991	CCH
Symphoricarpos albus	*laevigatus*	36.53598	-121.90574	1991	CCH
Symphoricarpos albus	*laevigatus*	36.31499	-121.57207	1992	CCH
Symphoricarpos albus	*laevigatus*	36.31499	-121.57207	1992	CCH
Symphoricarpos albus		34.36900	-118.44300	1992	CCH
Symphoricarpos albus	*laevigatus*	34.36685	-118.44565	1992	CCH
Symphoricarpos albus	*laevigatus*	35.62361	-120.68028	1993	CCH
Symphoricarpos albus	*laevigatus*	34.35940	-118.45600	1993	CCH
Symphoricarpos albus	*laevigatus*	34.35940	-118.45600	1993	CCH
Symphoricarpos albus	*laevigatus*	34.35614	-118.44947	1993	CCH
Symphoricarpos albus	*laevigatus*	34.35614	-118.44947	1993	CCH
Symphoricarpos albus	*laevigatus*	37.87472	-122.59111	1993	CCH
Symphoricarpos albus	*laevigatus*	35.59749	-121.10976	1993	CCH
Symphoricarpos albus	*laevigatus*	35.61837	-121.06659	1993	CCH
Symphoricarpos albus	*laevigatus*	40.93944	-122.64917	1993	CCH
Symphoricarpos albus	*laevigatus*	38.44280	-122.53150	1994	CCH
Symphoricarpos albus		35.89450	-121.06400	1994	CCH
Symphoricarpos albus	*laevigatus*	35.89289	-121.06381	1994	CCH
Symphoricarpos albus	*albus*	36.06806	-121.32212	1994	CCH
Symphoricarpos albus	*albus*	36.08237	-121.28293	1994	CCH
Symphoricarpos albus	*laevigatus*	36.07030	-121.32150	1994	CCH
Symphoricarpos albus	*laevigatus*	41.30556	-121.78972	1994	CCH
Symphoricarpos albus	*laevigatus*	41.30490	-121.78050	1994	CCH
Symphoricarpos albus	*laevigatus*	41.30490	-121.78050	1994	CCH
Symphoricarpos albus	*laevigatus*	41.30490	-121.72330	1994	CCH
Symphoricarpos albus	*laevigatus*	33.57000	-117.50520	1994	CCH
Symphoricarpos albus	*laevigatus*	33.57000	-117.50520	1994	CCH
Symphoricarpos albus	*laevigatus*	33.56000	-117.51000	1994	CCH
Symphoricarpos albus		34.59280	-120.46930	1994	CCH
Symphoricarpos albus	*laevigatus*	33.44167	-116.98333	1995	CCH
Symphoricarpos albus	*laevigatus*	33.44167	-116.98333	1995	CCH
Symphoricarpos albus	*laevigatus*	35.97600	-121.34700	1995	CCH
Symphoricarpos albus		36.01340	-121.41970	1995	CCH
Symphoricarpos albus	*albus*	36.01081	-121.42097	1995	CCH
Symphoricarpos albus	*laevigatus*	40.91722	-121.71694	1995	CCH
Symphoricarpos albus		36.01340	-121.41970	1995	CCH
Symphoricarpos albus	*laevigatus*	34.03333	-116.96667	1996	CCH
Symphoricarpos albus	*laevigatus*	40.64180	-122.56930	1996	CCH
Symphoricarpos albus		34.05139	-116.96667	1996	CCH
Symphoricarpos albus	*laevigatus*	34.05000	-116.96667	1996	CCH
Symphoricarpos albus	*laevigatus*	40.10194	-122.04722	1997	CCH
Symphoricarpos albus	*laevigatus*	39.56667	-121.23333	1997	CCH
Symphoricarpos albus	*laevigatus*	35.39600	-120.71383	1997	CCH
Symphoricarpos albus	*laevigatus*	39.25722	-120.71000	1997	CCH
Symphoricarpos albus	*laevigatus*	40.10861	-121.56389	1997	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	40.10660	-121.56510	1997	CCH
Symphoricarpos albus	*laevigatus*	34.18222	-117.75361	1999	CCH
Symphoricarpos albus	*laevigatus*	34.18222	-117.75361	1999	CCH
Symphoricarpos albus		36.00946	-121.40523	1999	CCH
Symphoricarpos albus	*laevigatus*	35.30889	-120.49144	2000	CCH
Symphoricarpos albus	*laevigatus*	35.30890	-120.49140	2000	CCH
Symphoricarpos albus	*laevigatus*	39.23333	-122.70000	2001	CCH
Symphoricarpos albus	*laevigatus*	38.50333	-122.15111	2001	CCH
Symphoricarpos albus	*laevigatus*	39.23333	-122.70000	2001	CCH
Symphoricarpos albus	*laevigatus*	32.95528	-116.61028	2002	CCH
Symphoricarpos albus	*laevigatus*	32.95528	-116.61028	2002	CCH
Symphoricarpos albus	*laevigatus*	38.86167	-122.38028	2002	CCH
Symphoricarpos albus	*laevigatus*	38.86167	-122.38028	2002	CCH
Symphoricarpos albus	*laevigatus*	33.12150	-116.62460	2002	CCH
Symphoricarpos albus	*laevigatus*	33.12080	-116.61790	2002	CCH
Symphoricarpos albus	*laevigatus*	32.87306	-116.73778	2003	CCH
Symphoricarpos albus	*laevigatus*	37.97945	-122.13469	2003	CCH
Symphoricarpos albus	*laevigatus*	33.60694	-116.74278	2003	CCH
Symphoricarpos albus	*laevigatus*	41.11306	-121.45333	2004	CCH
Symphoricarpos albus	*laevigatus*	32.92861	-116.57250	2004	CCH
Symphoricarpos albus	*laevigatus*	32.87028	-116.73306	2004	CCH
Symphoricarpos albus	*laevigatus*	34.58000	-120.42667	2004	CCH
Symphoricarpos albus	*laevigatus*	33.26230	-116.80980	2004	CCH
Symphoricarpos albus	*laevigatus*	33.10170	-116.66100	2004	CCH
Symphoricarpos albus	*laevigatus*	32.86420	-116.62510	2004	CCH
Symphoricarpos albus	*laevigatus*	32.87500	-116.47778	2005	CCH
Symphoricarpos albus	*laevigatus*	33.22750	-116.78388	2005	CCH
Symphoricarpos albus	*laevigatus*	32.90718	-116.47294	2005	CCH
Symphoricarpos albus		34.54470	-119.21690	2005	CCH
Symphoricarpos albus	*laevigatus*	39.40639	-122.63583	2006	CCH
Symphoricarpos albus	*laevigatus*	39.40639	-122.63583	2006	CCH
Symphoricarpos albus	*laevigatus*	39.40639	-122.63583	2006	CCH
Symphoricarpos albus	*laevigatus*	33.02000	-116.55950	2006	CCH
Symphoricarpos albus	*laevigatus*	32.94230	-116.54990	2006	CCH
Symphoricarpos albus	*laevigatus*	38.64250	-120.24861	2006	CCH
Symphoricarpos albus	*laevigatus*	38.67500	-120.30889	2006	CCH
Symphoricarpos albus	*laevigatus*	38.64250	-120.24861	2006	CCH
Symphoricarpos albus	*laevigatus*	38.67500	-120.30889	2006	CCH
Symphoricarpos albus	*laevigatus*	32.95474	-116.59452	2006	CCH
Symphoricarpos albus	*laevigatus*	33.21050	-116.82900	2006	CCH
Symphoricarpos albus	*laevigatus*	32.96835	-116.57696	2006	CCH
Symphoricarpos albus	*laevigatus*	38.39000	-120.52528	2006	CCH
Symphoricarpos albus	*laevigatus*	34.17979	-117.88228	2006	CCH
Symphoricarpos albus	*laevigatus*	34.17981	-117.88225	2006	CCH
Symphoricarpos albus	*laevigatus*	38.58883	-122.12417	2007	CCH
Symphoricarpos albus	*laevigatus*	39.74722	-121.54111	2007	CCH
Symphoricarpos albus	*laevigatus*	39.74722	-121.54111	2007	CCH
Symphoricarpos albus	*laevigatus*	39.74722	-121.54111	2007	CCH
Symphoricarpos albus	*laevigatus*	33.01600	-116.61150	2007	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	32.94561	-116.57007	2007	CCH
Symphoricarpos albus	*laevigatus*	33.02760	-116.67430	2007	CCH
Symphoricarpos albus	*laevigatus*	33.07056	-116.60194	2007	CCH
Symphoricarpos albus	*laevigatus*	32.96083	-116.58083	2007	CCH
Symphoricarpos albus	*laevigatus*	32.96083	-116.58083	2007	CCH
Symphoricarpos albus	*laevigatus*	32.96083	-116.58083	2007	CCH
Symphoricarpos albus	*laevigatus*	32.96083	-116.58083	2007	CCH
Symphoricarpos albus		40.92369	-123.80550	2007	CCH
Symphoricarpos albus		40.92369	-123.80550	2007	CCH
Symphoricarpos albus	*laevigatus*	40.73680	-123.69380	2007	CCH
Symphoricarpos albus	*laevigatus*	33.01077	-116.63480	2007	CCH
Symphoricarpos albus	*laevigatus*	32.89638	-116.56891	2007	CCH
Symphoricarpos albus	*laevigatus*	32.89789	-116.55238	2007	CCH
Symphoricarpos albus	*laevigatus*	37.89000	-121.86000	2008	CCH
Symphoricarpos albus	*laevigatus*	32.89213	-116.54975	2008	CCH
Symphoricarpos albus	*laevigatus*	32.89213	-116.54975	2008	CCH
Symphoricarpos albus	*laevigatus*	33.19960	-116.74950	2009	CCH
Symphoricarpos albus	*laevigatus*	39.81111	-121.72278	2009	CCH
Symphoricarpos albus	*laevigatus*	39.81111	-121.72278	2009	CCH
Symphoricarpos albus	*laevigatus*	37.27764	-122.11167	2009	CCH
Symphoricarpos albus	*laevigatus*	33.19961	-116.74945	2009	CCH
Symphoricarpos albus	*laevigatus*	33.22050	-116.82710	2009	CCH
Symphoricarpos albus	*laevigatus*	32.98810	-116.68780	2009	CCH
Symphoricarpos albus	*laevigatus*	33.10660	-116.59470	2009	CCH
Symphoricarpos albus	*laevigatus*	33.10660	-116.59470	2009	CCH
Symphoricarpos albus	*laevigatus*	33.11827	-116.72196	2009	CCH
Symphoricarpos albus		39.02417	-122.45361	2010	CCH
Symphoricarpos albus	*laevigatus*	34.35833	-118.44667	2010	CCH
Symphoricarpos albus	*laevigatus*	34.35833	-118.44667	2010	CCH
Symphoricarpos albus		38.93000	-122.47194	2010	CCH
Symphoricarpos albus	*laevigatus*	33.38880	-116.91161	2010	CCH
Symphoricarpos albus	*laevigatus*	40.04472	-121.00306	2010	CCH
Symphoricarpos albus	*laevigatus*	40.04472	-121.00306	2010	CCH
Symphoricarpos albus	*laevigatus*	40.04472	-121.00306	2010	CCH
Symphoricarpos albus	*laevigatus*	40.82417	-121.93278	2010	CCH
Symphoricarpos albus	*laevigatus*	39.61250	-122.95250	2010	CCH
Symphoricarpos albus	*laevigatus*	33.08139	-116.59444	2011	CCH
Symphoricarpos albus	*laevigatus*	34.21222	-117.28750	2012	CCH
Symphoricarpos albus	*laevigatus*	34.21222	-117.28750	2012	CCH
Symphoricarpos albus	*laevigatus*	34.21222	-117.28750	2012	CCH
Symphoricarpos albus	*laevigatus*	34.21222	-117.28750	2012	CCH
Symphoricarpos albus	*laevigatus*	34.21222	-117.28750	2012	CCH
Symphoricarpos albus	*laevigatus*	34.21222	-117.28750	2012	CCH
Symphoricarpos albus	*laevigatus*	39.00778	-122.81278	2013	CCH
Symphoricarpos albus	*laevigatus*	33.12320	-116.77330	2013	CCH
Symphoricarpos albus	*laevigatus*	33.12323	-116.77329	2013	CCH
Symphoricarpos albus	*laevigatus*	33.12319	-116.77331	2013	CCH
Symphoricarpos albus	*laevigatus*	32.70119	-116.48452	2013	CCH
Symphoricarpos albus	*laevigatus*	38.51844	-121.68598	2013	CCH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	33.03513	-116.59562	2013	CCH
Symphoricarpos albus	*laevigatus*	38.43306	-120.46333	2014	CCH
Symphoricarpos albus		40.53518	-121.61729	2014	CCH
Symphoricarpos albus		40.77272	-120.16577	2015	CCH
Symphoricarpos albus	*laevigatus*	37.08463	-122.06162	2015	CCH
Symphoricarpos albus	*laevigatus*	36.84460	-121.53367	1861	CCH
Symphoricarpos albus	*laevigatus*	32.93455	-116.60420	1875	CCH
Symphoricarpos albus	*laevigatus*	37.78080	-122.22290	1878	CCH
Symphoricarpos albus	*laevigatus*	40.60038	-123.14075	1879	CCH
Symphoricarpos albus	*laevigatus*	40.60038	-123.14075	1880	CCH
Symphoricarpos albus		36.97412	-122.03080	1881	CCH
Symphoricarpos albus	*laevigatus*	36.96951	-122.03510	1881	CCH
Symphoricarpos albus	*laevigatus*	36.96951	-122.03510	1881	CCH
Symphoricarpos albus	*laevigatus*	38.32987	-121.99485	1884	CCH
Symphoricarpos albus	*laevigatus*	32.60847	-116.47465	1885	CCH
Symphoricarpos albus	*laevigatus*	37.97467	-122.12533	1887	CCH
Symphoricarpos albus	*laevigatus*	35.32633	-120.36072	1890	CCH
Symphoricarpos albus	*laevigatus*	37.22680	-121.97720	1892	CCH
Symphoricarpos albus	*laevigatus*	38.97462	-122.77016	1892	CCH
Symphoricarpos albus	*laevigatus*	38.43961	-120.85854	1892	CCH
Symphoricarpos albus		38.43961	-120.85854	1893	CCH
Symphoricarpos albus	*laevigatus*	41.58224	-121.59763	1893	CCH
Symphoricarpos albus	*laevigatus*	38.58683	-122.56251	1893	CCH
Symphoricarpos albus	*laevigatus*	37.41381	-122.19193	1893	CCH
Symphoricarpos albus	*laevigatus*	38.57561	-122.44994	1893	CCH
Symphoricarpos albus	*laevigatus*	39.45778	-123.72417	1894	CCH
Symphoricarpos albus	*laevigatus*	38.43380	-120.67243	1895	CCH
Symphoricarpos albus	*laevigatus*	37.40416	-122.15685	1895	CCH
Symphoricarpos albus		38.43380	-120.67243	1895	CCH
Symphoricarpos albus	*laevigatus*	37.41381	-122.19193	1895	CCH
Symphoricarpos albus	*laevigatus*	37.41381	-122.19193	1895	CCH
Symphoricarpos albus		38.41358	-120.65924	1895	CCH
Symphoricarpos albus	*laevigatus*	44.30675	-118.66811	1997	OSU
Symphoricarpos albus	*laevigatus*	44.05790	-123.08400	1971	OSU
Symphoricarpos albus	*laevigatus*	42.45955	-123.67322	1966	OSU
Symphoricarpos albus	*laevigatus*	42.47012	-122.08289	1916	OSU
Symphoricarpos albus	*laevigatus*	44.19059	-122.79816	1971	OSU
Symphoricarpos albus	*laevigatus*	45.61890	-123.11310	1955	OSU
Symphoricarpos albus	*laevigatus*	44.04530	-123.07440	1937	OSU
Symphoricarpos albus	*laevigatus*	44.21940	-123.20440	1935	OSU
Symphoricarpos albus	*laevigatus*	45.68360	-121.39610	1931	OSU
Symphoricarpos albus	*laevigatus*	42.37890	-122.21110	1930	OSU
Symphoricarpos albus	*laevigatus*	45.62190	-117.72220	1929	OSU
Symphoricarpos albus	*laevigatus*	42.12670	-121.92890	1928	OSU
Symphoricarpos albus	*laevigatus*	42.75110	-122.48780	1927	OSU
Symphoricarpos albus	*laevigatus*	44.38970	-118.94920	1925	OSU
Symphoricarpos albus	*laevigatus*	43.98280	-124.09860	1924	OSU
Symphoricarpos albus	*laevigatus*	45.55940	-116.83220	1923	OSU
Symphoricarpos albus	*laevigatus*	44.88080	-117.11360	1922	OSU

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	44.41610	-118.95190	1922	OSU
Symphoricarpos albus	*laevigatus*	44.38970	-118.94920	1921	OSU
Symphoricarpos albus	*laevigatus*	42.05330	-124.26640	1919	OSU
Symphoricarpos albus	*laevigatus*	45.91750	-119.34140	1915	OSU
Symphoricarpos albus	*laevigatus*	45.70560	-121.52030	1911	OSU
Symphoricarpos albus	*laevigatus*	45.32470	-118.08670	1910	OSU
Symphoricarpos albus	*laevigatus*	45.47080	-122.67060	1903	OSU
Symphoricarpos albus	*laevigatus*	44.30000	-120.83330	1894	OSU
Symphoricarpos albus	*laevigatus*	45.47080	-122.67060		OSU
Symphoricarpos albus		44.63400	-123.30450	2016	OSU
Symphoricarpos albus	*laevigatus*	44.30439	-118.55180	2010	OSU
Symphoricarpos albus	*albus*	46.83605	-116.87706	2009	OSU
Symphoricarpos albus	*laevigatus*	44.65411	-120.25055	2007	OSU
Symphoricarpos albus	*albus*	43.59420	-114.41270	2006	OSU
Symphoricarpos albus		46.52333	-116.65000	2006	OSU
Symphoricarpos albus		45.92733	-123.15289	2006	OSU
Symphoricarpos albus		45.29305	-117.30825	2002	OSU
Symphoricarpos albus	*albus*	45.89047	-121.10349	2001	OSU
Symphoricarpos albus	*laevigatus*	45.90472	-117.05750	1999	OSU
Symphoricarpos albus		48.82472	-118.83278	1999	OSU
Symphoricarpos albus	*laevigatus*	44.71450	-123.26598	1997	OSU
Symphoricarpos albus	*laevigatus*	46.24278	-117.68944	1997	OSU
Symphoricarpos albus	*laevigatus*	48.00000	-123.90000	1996	OSU
Symphoricarpos albus		45.57317	-122.20034	1988	OSU
Symphoricarpos albus	*laevigatus*	45.30997	-123.41172	1985	OSU
Symphoricarpos albus		45.63408	-116.19232	1985	OSU
Symphoricarpos albus	*laevigatus*	44.60008	-123.24113	1980	OSU
Symphoricarpos albus	*laevigatus*	45.68530	-121.30588	1979	OSU
Symphoricarpos albus	*laevigatus*	44.60008	-123.24113	1979	OSU
Symphoricarpos albus	*laevigatus*	44.36000	-123.14000	1978	OSU
Symphoricarpos albus	*laevigatus*	44.40000	-123.30000	1972	OSU
Symphoricarpos albus	*laevigatus*	45.31466	-117.30211	1963	OSU
Symphoricarpos albus	*laevigatus*	45.28583	-117.30208	1962	OSU
Symphoricarpos albus	*laevigatus*	45.16575	-123.28958	1962	OSU
Symphoricarpos albus	*laevigatus*	45.34539	-117.28156	1962	OSU
Symphoricarpos albus	*laevigatus*	44.58609	-121.68476	1959	OSU
Symphoricarpos albus	*laevigatus*	45.05866	-117.31280	1957	OSU
Symphoricarpos albus	*laevigatus*	44.98436	-117.37165	1957	OSU
Symphoricarpos albus	*laevigatus*	44.98436	-117.37165	1957	OSU
Symphoricarpos albus	*laevigatus*	45.55279	-117.38637	1956	OSU
Symphoricarpos albus		45.64407	-122.01343	1952	OSU
Symphoricarpos albus	*laevigatus*	42.08940	-123.37686	1950	OSU
Symphoricarpos albus		46.97370	-122.23370	1948	OSU
Symphoricarpos albus	*laevigatus*	44.70891	-117.96261	1948	OSU
Symphoricarpos albus	*laevigatus*	44.24064	-121.86588	1946	OSU
Symphoricarpos albus	*laevigatus*	42.77747	-123.20155	1942	OSU
Symphoricarpos albus	*laevigatus*	42.11994	-122.45450	1940	OSU
Symphoricarpos albus	*laevigatus*	44.20416	-122.37416	1939	OSU
Symphoricarpos albus	*laevigatus*	44.31262	-121.62526	1938	OSU

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	42.56310	-121.86210	1931	OSU
Symphoricarpos albus	*laevigatus*	42.05590	-124.27020	1929	OSU
Symphoricarpos albus	*laevigatus*	42.03000	-123.61670	1919	OSU
Symphoricarpos albus	*laevigatus*	43.99450	-122.98270	1974	OSU
Symphoricarpos albus	*laevigatus*	45.05823	-123.64121	1964	OSU
Symphoricarpos albus	*laevigatus*	44.55788	-121.70788	1959	OSU
Symphoricarpos albus	*laevigatus*	44.25704	-121.81300	1956	OSU
Symphoricarpos albus	*laevigatus*	44.50440	-123.55000	1947	OSU
Symphoricarpos albus	*laevigatus*	44.63503	-123.29045	1947	OSU
Symphoricarpos albus	*laevigatus*	43.58580	-122.65190	1946	OSU
Symphoricarpos albus	*laevigatus*	45.67000	-121.88940	1937	OSU
Symphoricarpos albus	*laevigatus*	45.67000	-121.88940	1937	OSU
Symphoricarpos albus	*laevigatus*	44.03130	-123.85730	1936	OSU
Symphoricarpos albus	*laevigatus*	45.51080	-116.81375	1933	OSU
Symphoricarpos albus	*laevigatus*	43.98360	-123.09670	1931	OSU
Symphoricarpos albus	*laevigatus*	43.57440	-122.65580	1927	OSU
Symphoricarpos albus	*laevigatus*	42.01610	-123.55830	1919	OSU
Symphoricarpos albus	*laevigatus*	44.43750	-118.19170	1906	OSU
Symphoricarpos albus	*laevigatus*	45.54070	-122.66740	1903	OSU
Symphoricarpos albus	*laevigatus*	45.96920	-123.68420		OSU
Symphoricarpos albus	*albus*	33.42660	-108.70180	1921	RMH
Symphoricarpos albus	*albus*	34.30279	-110.89600	1927	RMH
Symphoricarpos albus	*albus*	35.19749	-111.65120	1923	RMH
Symphoricarpos albus	*albus*	37.00194	-104.36750	1990	RMH
Symphoricarpos albus	*laevigatus*	38.46890	-105.57850	1996	RMH
Symphoricarpos albus	*laevigatus*	38.56880	-105.44880	1995	RMH
Symphoricarpos albus	*laevigatus*	38.58520	-105.09570	1996	RMH
Symphoricarpos albus	*laevigatus*	38.70180	-104.85990	1996	RMH
Symphoricarpos albus	*laevigatus*	39.39590	-105.10120	1996	RMH
Symphoricarpos albus	*albus*	39.55630	-106.56120	2000	RMH
Symphoricarpos albus	*albus*	40.43070	-105.24020	2001	RMH
Symphoricarpos albus	*albus*	40.70510	-105.29570	2001	RMH
Symphoricarpos albus	*albus*	40.82130	-105.56230	2001	RMH
Symphoricarpos albus	*albus*	41.15350	-105.23960	1979	RMH
Symphoricarpos albus	*albus*	41.21100	-105.37330	1998	RMH
Symphoricarpos albus	*albus*	41.25400	-105.43060	1997	RMH
Symphoricarpos albus	*albus*	41.28280	-105.37330	1964	RMH
Symphoricarpos albus	*albus*	41.66190	-105.52790	1997	RMH
Symphoricarpos albus	*albus*	41.66190	-105.52790	1997	RMH
Symphoricarpos albus	*albus*	41.68990	-105.50720	2005	RMH
Symphoricarpos albus	*albus*	41.70570	-105.58570	1997	RMH
Symphoricarpos albus	*albus*	41.83480	-105.53790	1997	RMH
Symphoricarpos albus	*albus*	41.95120	-105.61550	1997	RMH
Symphoricarpos albus	*albus*	41.96580	-105.59610	1997	RMH
Symphoricarpos albus	*albus*	42.02400	-105.75130	1997	RMH
Symphoricarpos albus	*albus*	42.03720	-104.15520	2000	RMH
Symphoricarpos albus	*albus*	42.03970	-104.15900	2000	RMH
Symphoricarpos albus	*albus*	42.03990	-105.36070	1997	RMH
Symphoricarpos albus	*albus*	42.05450	-105.43820	1997	RMH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*albus*	42.06760	-105.57670	1997	RMH
Symphoricarpos albus	*albus*	42.12290	-105.62460	1997	RMH
Symphoricarpos albus	*albus*	42.19520	-105.81930	1997	RMH
Symphoricarpos albus	*albus*	42.20960	-105.64410	1997	RMH
Symphoricarpos albus	*albus*	42.22670	-105.35200	1997	RMH
Symphoricarpos albus	*albus*	42.22670	-105.46950	1997	RMH
Symphoricarpos albus	*albus*	42.31330	-105.52470	1998	RMH
Symphoricarpos albus	*albus*	42.38300	-105.68310	1997	RMH
Symphoricarpos albus	*albus*	42.41030	-105.43190	1998	RMH
Symphoricarpos albus	*albus*	42.44260	-105.45230	1998	RMH
Symphoricarpos albus	*albus*	42.45290	-105.66610	1998	RMH
Symphoricarpos albus	*albus*	42.54030	-106.45250	1997	RMH
Symphoricarpos albus	*albus*	42.54030	-106.45250	1997	RMH
Symphoricarpos albus	*albus*	42.55490	-105.70540	1982	RMH
Symphoricarpos albus	*albus*	42.71520	-106.41320	1997	RMH
Symphoricarpos albus	*albus*	42.71520	-106.39350	1997	RMH
Symphoricarpos albus	*laevigatus*	43.06190	-110.69060	1992	RMH
Symphoricarpos albus	*laevigatus*	43.16780	-110.86140	1992	RMH
Symphoricarpos albus	*laevigatus*	43.20410	-110.88620	1923	RMH
Symphoricarpos albus	*laevigatus*	43.28143	-110.58701	2006	RMH
Symphoricarpos albus	*laevigatus*	43.30110	-110.72470	1990	RMH
Symphoricarpos albus	*laevigatus*	43.32790	-110.80580	1991	RMH
Symphoricarpos albus	*laevigatus*	43.37170	-111.18090	1991	RMH
Symphoricarpos albus	*laevigatus*	43.38510	-110.88410	1991	RMH
Symphoricarpos albus	*laevigatus*	43.41390	-110.70440	1994	RMH
Symphoricarpos albus	*albus*	43.45190	-103.50930	1927	RMH
Symphoricarpos albus	*laevigatus*	43.45680	-110.70440	1994	RMH
Symphoricarpos albus	*laevigatus*	43.51860	-110.97420	1991	RMH
Symphoricarpos albus	*laevigatus*	43.53170	-111.28030	1991	RMH
Symphoricarpos albus	*laevigatus*	43.54600	-111.39920	1991	RMH
Symphoricarpos albus	*laevigatus*	43.54740	-110.85460	1991	RMH
Symphoricarpos albus	*laevigatus*	43.56180	-111.03390	1991	RMH
Symphoricarpos albus	*laevigatus*	43.57140	-111.31100	1991	RMH
Symphoricarpos albus	*laevigatus*	43.57140	-111.19140	1991	RMH
Symphoricarpos albus	*laevigatus*	43.60500	-110.83470	1991	RMH
Symphoricarpos albus	*laevigatus*	43.60500	-111.05380	1991	RMH
Symphoricarpos albus	*laevigatus*	43.62950	-111.23150	1991	RMH
Symphoricarpos albus	*laevigatus*	43.63380	-111.01400	1991	RMH
Symphoricarpos albus	*laevigatus*	43.64400	-111.55530	1991	RMH
Symphoricarpos albus	*albus*	43.67700	-111.01400	1991	RMH
Symphoricarpos albus	*albus*	43.69110	-104.05030	1982	RMH
Symphoricarpos albus	*laevigatus*	43.69140	-110.95420	1991	RMH
Symphoricarpos albus	*laevigatus*	43.71890	-111.31090	1992	RMH
Symphoricarpos albus		43.73010	-103.82170	1985	RMH
Symphoricarpos albus		43.73160	-103.84490	1985	RMH
Symphoricarpos albus		43.73280	-103.84070	1985	RMH
Symphoricarpos albus	*laevigatus*	43.76220	-110.91190	1991	RMH
Symphoricarpos albus	*laevigatus*	43.76340	-110.95420	1956	RMH
Symphoricarpos albus	*laevigatus*	43.86630	-110.58500	1950	RMH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	43.86630	-110.26340	1987	RMH
Symphoricarpos albus	*albus*	43.93397	-104.28382	2006	RMH
Symphoricarpos albus	*albus*	43.99150	-111.14960	1991	RMH
Symphoricarpos albus	*albus*	44.02540	-106.91840	1976	RMH
Symphoricarpos albus	*laevigatus*	44.04280	-108.98110	2001	RMH
Symphoricarpos albus	*albus*	44.08530	-107.28056	1980	RMH
Symphoricarpos albus	*laevigatus*	44.09300	-111.22410	1991	RMH
Symphoricarpos albus	*laevigatus*	44.10060	-111.16990	2002	RMH
Symphoricarpos albus	*albus*	44.11556	-107.26111	1973	RMH
Symphoricarpos albus	*laevigatus*	44.17960	-111.30460	1991	RMH
Symphoricarpos albus	*laevigatus*	44.19400	-111.40530	1992	RMH
Symphoricarpos albus	*laevigatus*	44.26620	-111.46570	1992	RMH
Symphoricarpos albus		44.27790	-103.69790	1956	RMH
Symphoricarpos albus	*albus*	44.31690	-106.95190	1979	RMH
Symphoricarpos albus	*albus*	44.32030	-104.12250	1982	RMH
Symphoricarpos albus	*laevigatus*	44.33830	-111.30460	1992	RMH
Symphoricarpos albus	*albus*	44.35000	-104.06170	1982	RMH
Symphoricarpos albus	*albus*	44.37750	-103.72870	1913	RMH
Symphoricarpos albus		44.37920	-103.81690	1956	RMH
Symphoricarpos albus	*albus*	44.37920	-104.08250	1984	RMH
Symphoricarpos albus	*albus*	44.39500	-104.18330	1984	RMH
Symphoricarpos albus	*laevigatus*	44.40380	-109.96640	1984	RMH
Symphoricarpos albus	*laevigatus*	44.41830	-109.74490	1984	RMH
Symphoricarpos albus	*laevigatus*	44.41830	-109.94630	1984	RMH
Symphoricarpos albus	*albus*	44.42000	-104.66890	1983	RMH
Symphoricarpos albus	*albus*	44.43861	-104.14310	1990	RMH
Symphoricarpos albus	*laevigatus*	44.44680	-116.84280	2000	RMH
Symphoricarpos albus	*laevigatus*	44.44972	-109.80830	1988	RMH
Symphoricarpos albus	*laevigatus*	44.46130	-116.90260	2000	RMH
Symphoricarpos albus	*laevigatus*	44.46180	-109.90600	1986	RMH
Symphoricarpos albus	*laevigatus*	44.46180	-109.88580	1986	RMH
Symphoricarpos albus	*laevigatus*	44.46180	-109.72470	1988	RMH
Symphoricarpos albus	*laevigatus*	44.46180	-109.72470	1997	RMH
Symphoricarpos albus	*laevigatus*	44.46583	-109.82890	1988	RMH
Symphoricarpos albus	*laevigatus*	44.46650	-111.22530	1992	RMH
Symphoricarpos albus	*laevigatus*	44.47630	-110.04700	1988	RMH
Symphoricarpos albus	*laevigatus*	44.47630	-109.88580	1997	RMH
Symphoricarpos albus	*laevigatus*	44.47630	-109.66430	1997	RMH
Symphoricarpos albus	*laevigatus*	44.49080	-109.92610	1986	RMH
Symphoricarpos albus	*laevigatus*	44.49080	-109.98650	1986	RMH
Symphoricarpos albus	*laevigatus*	44.50530	-109.94630	1981	RMH
Symphoricarpos albus	*laevigatus*	44.50530	-109.88580	1985	RMH
Symphoricarpos albus	*laevigatus*	44.50530	-109.82540	1986	RMH
Symphoricarpos albus	*laevigatus*	44.50530	-109.98650	1988	RMH
Symphoricarpos albus	*laevigatus*	44.50530	-109.96640	1988	RMH
Symphoricarpos albus	*laevigatus*	44.50530	-109.92610	1988	RMH
Symphoricarpos albus	*laevigatus*	44.50560	-116.94770	1999	RMH
Symphoricarpos albus	*laevigatus*	44.53460	-116.96800	1999	RMH
Symphoricarpos albus	*albus*	44.55083	-104.54861	1983	RMH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*albus*	44.55530	-105.97000	1978	RMH
Symphoricarpos albus	*laevigatus*	44.55850	-109.55670	1985	RMH
Symphoricarpos albus	*laevigatus*	44.56390	-116.78580	2000	RMH
Symphoricarpos albus	*albus*	44.57010	-106.91750	1985	RMH
Symphoricarpos albus	*albus*	44.57010	-106.91750	1985	RMH
Symphoricarpos albus	*albus*	44.58580	-107.54139	1980	RMH
Symphoricarpos albus	*albus*	44.59580	-104.40720	1983	RMH
Symphoricarpos albus	*albus*	44.59590	-104.71380	1934	RMH
Symphoricarpos albus	*albus*	44.60190	-109.73900	1986	RMH
Symphoricarpos albus	*laevigatus*	44.62180	-116.68460	2000	RMH
Symphoricarpos albus	*albus*	44.65820	-107.07950	1909	RMH
Symphoricarpos albus	*laevigatus*	44.67980	-116.60370	2000	RMH
Symphoricarpos albus	*albus*	44.68760	-107.20100	1931	RMH
Symphoricarpos albus	*laevigatus*	44.69390	-116.36080	1999	RMH
Symphoricarpos albus	*laevigatus*	44.69430	-116.68460	2000	RMH
Symphoricarpos albus	*albus*	44.71139	-118.56333	2002	RMH
Symphoricarpos albus	*albus*	44.75940	-109.47250	1985	RMH
Symphoricarpos albus	*laevigatus*	44.76630	-116.34050	1999	RMH
Symphoricarpos albus	*albus*	44.81833	-109.55220	1985	RMH
Symphoricarpos albus	*laevigatus*	44.82420	-116.62390	1999	RMH
Symphoricarpos albus	*albus*	44.83333	-118.86250	2002	RMH
Symphoricarpos albus	*albus*	44.83528	-118.86250	2002	RMH
Symphoricarpos albus	*laevigatus*	44.84461	-119.60364	2002	RMH
Symphoricarpos albus	*laevigatus*	44.84861	-109.73580	1988	RMH
Symphoricarpos albus	*laevigatus*	44.85250	-118.73083	2002	RMH
Symphoricarpos albus	*laevigatus*	44.86840	-115.68840	1999	RMH
Symphoricarpos albus	*laevigatus*	44.86944	-118.77583	2002	RMH
Symphoricarpos albus	*albus*	44.87333	-119.58083	2002	RMH
Symphoricarpos albus	*laevigatus*	44.91870	-107.73360	1996	RMH
Symphoricarpos albus	*laevigatus*	44.92556	-119.57028	2002	RMH
Symphoricarpos albus	*laevigatus*	44.93733	-119.51592	2002	RMH
Symphoricarpos albus	*laevigatus*	44.94347	-119.70686	2002	RMH
Symphoricarpos albus	*laevigatus*	44.94778	-119.70861	2002	RMH
Symphoricarpos albus	*albus*	44.96530	-109.82111	1985	RMH
Symphoricarpos albus	*laevigatus*	44.97333	-119.55667	2002	RMH
Symphoricarpos albus	*laevigatus*	44.97583	-107.69389	1996	RMH
Symphoricarpos albus	*laevigatus*	44.98694	-119.03028	2002	RMH
Symphoricarpos albus	*laevigatus*	44.99861	-119.40972	2002	RMH
Symphoricarpos albus	*laevigatus*	44.99867	-119.40983	2002	RMH
Symphoricarpos albus	*laevigatus*	44.99890	-116.19810	2000	RMH
Symphoricarpos albus	*laevigatus*	45.00250	-109.83220	2007	RMH
Symphoricarpos albus	*laevigatus*	45.00361	-119.86639	2002	RMH
Symphoricarpos albus	*laevigatus*	45.02417	-118.83139	2002	RMH
Symphoricarpos albus	*laevigatus*	45.03340	-112.59390	2013	RMH
Symphoricarpos albus	*laevigatus*	45.05114	-118.81014	2002	RMH
Symphoricarpos albus	*laevigatus*	45.05556	-119.28278	2002	RMH
Symphoricarpos albus	*albus*	45.07361	-119.19500	2002	RMH
Symphoricarpos albus	*laevigatus*	45.08040	-110.62710	1996	RMH
Symphoricarpos albus	*laevigatus*	45.10560	-110.09370	2008	RMH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	45.11490	-116.72830	1999	RMH
Symphoricarpos albus	*laevigatus*	45.11611	-119.41861	2002	RMH
Symphoricarpos albus	*laevigatus*	45.11744	-119.40550	2002	RMH
Symphoricarpos albus	*laevigatus*	45.14390	-116.70790	2000	RMH
Symphoricarpos albus	*laevigatus*	45.15840	-115.30100	1999	RMH
Symphoricarpos albus	*laevigatus*	45.16350	-108.40800	2008	RMH
Symphoricarpos albus	*laevigatus*	45.16997	-118.73900	2002	RMH
Symphoricarpos albus	*laevigatus*	45.17170	-109.30870	2007	RMH
Symphoricarpos albus	*albus*	45.19120	-109.63800	1994	RMH
Symphoricarpos albus	*laevigatus*	45.19490	-114.13768	2011	RMH
Symphoricarpos albus	*laevigatus*	45.20528	-119.29222	2002	RMH
Symphoricarpos albus	*laevigatus*	45.21930	-108.36660	2008	RMH
Symphoricarpos albus	*laevigatus*	45.21930	-108.36660	2008	RMH
Symphoricarpos albus	*laevigatus*	45.24320	-110.75230	2007	RMH
Symphoricarpos albus	*laevigatus*	45.25890	-110.76670	2007	RMH
Symphoricarpos albus	*laevigatus*	45.26550	-110.49620	2007	RMH
Symphoricarpos albus	*albus*	45.29200	-106.18270	2010	RMH
Symphoricarpos albus	*laevigatus*	45.29960	-110.56570	1990	RMH
Symphoricarpos albus	*laevigatus*	45.30616	-114.34010	2010	RMH
Symphoricarpos albus	*albus*	45.31020	-110.50380	1998	RMH
Symphoricarpos albus	*laevigatus*	45.33167	-118.64250	2001	RMH
Symphoricarpos albus	*laevigatus*	45.33167	-118.71667	2001	RMH
Symphoricarpos albus	*laevigatus*	45.35590	-111.52670	1993	RMH
Symphoricarpos albus	*laevigatus*	45.38180	-115.09150	2000	RMH
Symphoricarpos albus	*laevigatus*	45.38720	-114.10926	2010	RMH
Symphoricarpos albus	*laevigatus*	45.39060	-111.55510	2013	RMH
Symphoricarpos albus		45.39960	-111.21820	1990	RMH
Symphoricarpos albus	*laevigatus*	45.41710	-112.01290	2013	RMH
Symphoricarpos albus	*laevigatus*	45.42860	-109.93560	2008	RMH
Symphoricarpos albus	*laevigatus*	45.44192	-118.22806	2001	RMH
Symphoricarpos albus	*laevigatus*	45.45200	-111.85610	2012	RMH
Symphoricarpos albus	*albus*	45.46120	-105.98090	2010	RMH
Symphoricarpos albus	*albus*	45.46120	-105.98090	2010	RMH
Symphoricarpos albus	*laevigatus*	45.47800	-112.06660	2013	RMH
Symphoricarpos albus	*laevigatus*	45.50274	-114.46557	2010	RMH
Symphoricarpos albus	*laevigatus*	45.51261	-118.18081	2001	RMH
Symphoricarpos albus	*laevigatus*	45.51760	-111.11190	2007	RMH
Symphoricarpos albus	*albus*	45.53060	-111.01250	1998	RMH
Symphoricarpos albus	*laevigatus*	45.54520	-110.21040	1991	RMH
Symphoricarpos albus	*laevigatus*	45.54520	-110.93020	1999	RMH
Symphoricarpos albus	*albus*	45.54580	-103.05320	1912	RMH
Symphoricarpos albus	*laevigatus*	45.54660	-110.30820	2008	RMH
Symphoricarpos albus	*laevigatus*	45.56140	-113.86940	2010	RMH
Symphoricarpos albus	*albus*	45.56370	-111.07170	2007	RMH
Symphoricarpos albus	*albus*	45.57580	-105.95540	2010	RMH
Symphoricarpos albus	*albus*	45.58111	-118.31444	2001	RMH
Symphoricarpos albus	*laevigatus*	45.58264	-118.36983	2002	RMH
Symphoricarpos albus	*laevigatus*	45.59940	-110.50440	2007	RMH
Symphoricarpos albus	*laevigatus*	45.60056	-118.24250	2001	RMH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	45.63600	-111.91510	2013	RMH
Symphoricarpos albus	*laevigatus*	45.66833	-118.03778	2001	RMH
Symphoricarpos albus	*laevigatus*	45.68750	-118.20556	2001	RMH
Symphoricarpos albus	*albus*	45.70797	-118.10314	2002	RMH
Symphoricarpos albus	*albus*	45.71239	-118.10961	2002	RMH
Symphoricarpos albus	*laevigatus*	45.71667	-118.15750	2002	RMH
Symphoricarpos albus	*albus*	45.72130	-105.99280	2010	RMH
Symphoricarpos albus	*laevigatus*	45.72667	-118.18556	2001	RMH
Symphoricarpos albus	*laevigatus*	45.77167	-118.11361	2001	RMH
Symphoricarpos albus	*laevigatus*	45.77306	-117.91194	2001	RMH
Symphoricarpos albus	*laevigatus*	45.84417	-117.79006	2001	RMH
Symphoricarpos albus		45.85190	-109.93270	1945	RMH
Symphoricarpos albus	*laevigatus*	45.86578	-117.89244	2001	RMH
Symphoricarpos albus	*laevigatus*	45.91850	-117.77342	2001	RMH
Symphoricarpos albus	*laevigatus*	45.94167	-118.00111	2001	RMH
Symphoricarpos albus	*laevigatus*	45.94250	-117.62889	2001	RMH
Symphoricarpos albus	*laevigatus*	45.94278	-118.01667	2001	RMH
Symphoricarpos albus	*albus*	46.01325	-117.75842	2001	RMH
Symphoricarpos albus	*laevigatus*	46.02778	-117.90333	2001	RMH
Symphoricarpos albus	*albus*	46.07222	-117.46917	2002	RMH
Symphoricarpos albus	*laevigatus*	46.10111	-117.27056	2002	RMH
Symphoricarpos albus	*albus*	46.13244	-117.80900	2001	RMH
Symphoricarpos albus	*laevigatus*	46.13244	-117.80900	2001	RMH
Symphoricarpos albus	*albus*	46.13667	-117.42583	2001	RMH
Symphoricarpos albus	*albus*	46.20528	-117.57417	2001	RMH
Symphoricarpos albus		46.22370	-110.42180	2008	RMH
Symphoricarpos albus	*laevigatus*	46.25639	-117.44222	2002	RMH
Symphoricarpos albus		46.53590	-110.68970	2008	RMH
Symphoricarpos albus		47.40210	-110.56930	2008	RMH
Symphoricarpos albus		47.42360	-114.00360	1948	RMH
Symphoricarpos albus	*albus*	47.95960	-108.53740	2011	RMH
Symphoricarpos albus	*laevigatus*	47.97010	-108.55210	2011	RMH
Symphoricarpos albus	*laevigatus*	48.14180	-117.57330	1995	RMH
Symphoricarpos albus	*laevigatus*	48.28660	-117.83300	1995	RMH
Symphoricarpos albus	*laevigatus*	48.38180	-114.08320	1934	RMH
Symphoricarpos albus	*laevigatus*	48.43140	-117.59500	1995	RMH
Symphoricarpos albus	*laevigatus*	48.46030	-117.76810	1996	RMH
Symphoricarpos albus	*albus*	48.48260	-107.97610	2010	RMH
Symphoricarpos albus	*laevigatus*	48.50320	-118.24860	1996	RMH
Symphoricarpos albus	*laevigatus*	48.57610	-118.09270	1995	RMH
Symphoricarpos albus	*laevigatus*	48.61960	-117.87630	1996	RMH
Symphoricarpos albus	*laevigatus*	48.63400	-117.76810	1995	RMH
Symphoricarpos albus	*laevigatus*	48.63420	-118.37920	1996	RMH
Symphoricarpos albus	*laevigatus*	48.72150	-118.53700	1996	RMH
Symphoricarpos albus	*laevigatus*	48.72160	-117.76400	1995	RMH
Symphoricarpos albus	*laevigatus*	48.73590	-118.23040	1996	RMH
Symphoricarpos albus	*laevigatus*	48.75030	-117.64000	1995	RMH
Symphoricarpos albus	*laevigatus*	48.79390	-117.57370	1996	RMH
Symphoricarpos albus	*laevigatus*	48.82560	-117.87270	1995	RMH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus	*laevigatus*	48.86470	-118.03330	1996	RMH
Symphoricarpos albus	*laevigatus*	48.89330	-117.85800	1996	RMH
Symphoricarpos albus	*laevigatus*	48.92190	-118.53700	1996	RMH
Symphoricarpos albus	*laevigatus*	48.92190	-118.55890	1996	RMH
Symphoricarpos albus	*laevigatus*	48.92450	-117.48530	1995	RMH
Symphoricarpos albus	*laevigatus*	48.93630	-118.25230	1995	RMH
Symphoricarpos albus	*laevigatus*	48.95060	-118.01140	1995	RMH
Symphoricarpos albus	*laevigatus*	48.96490	-118.53700	1996	RMH
Symphoricarpos albus		49.30667	-119.63167	1990	CPNWH
Symphoricarpos albus		60.00000	-111.90000	1950	CPNWH
Symphoricarpos albus		56.50000	-130.50000	1979	CPNWH
Symphoricarpos albus		56.15000	-120.00000	1943	CPNWH
Symphoricarpos albus		56.10000	-129.25000	1981	CPNWH
Symphoricarpos albus		55.01667	-128.33333	1988	CPNWH
Symphoricarpos albus		54.99000	-129.85000	1973	CPNWH
Symphoricarpos albus		54.78000	-127.17000	1946	CPNWH
Symphoricarpos albus		54.70000	-127.00000	1974	CPNWH
Symphoricarpos albus		54.68556	-126.99639	2001	CPNWH
Symphoricarpos albus		54.65000	-101.83000	1951	CPNWH
Symphoricarpos albus		54.60000	-124.40000	1981	CPNWH
Symphoricarpos albus		54.60000	-124.40000	1981	CPNWH
Symphoricarpos albus		54.52000	-128.60000	1952	CPNWH
Symphoricarpos albus		54.50000	-127.00000	1974	CPNWH
Symphoricarpos albus		54.45000	-113.98333	1971	CPNWH
Symphoricarpos albus		54.20000	-123.50000	1974	CPNWH
Symphoricarpos albus		54.15000	-123.51667	1979	CPNWH
Symphoricarpos albus		54.10000	-124.50000	1974	CPNWH
Symphoricarpos albus		54.10000	-124.70000	1974	CPNWH
Symphoricarpos albus		54.10000	-124.70000	1974	CPNWH
Symphoricarpos albus		53.83000	-101.25000	1957	CPNWH
Symphoricarpos albus		53.83000	-101.25000	1956	CPNWH
Symphoricarpos albus		53.80000	-125.90000	1979	CPNWH
Symphoricarpos albus		53.77000	-112.80000	1939	CPNWH
Symphoricarpos albus		53.72000	-113.22000	1939	CPNWH
Symphoricarpos albus		53.59000	-127.96000	1958	CPNWH
Symphoricarpos albus		53.55000	-113.47000	1942	CPNWH
Symphoricarpos albus		53.35000	-110.86000	1949	CPNWH
Symphoricarpos albus		53.30000	-132.20000	1952	CPNWH
Symphoricarpos albus		53.25000	-132.08000	1957	CPNWH
Symphoricarpos albus		53.25000	-132.08000	1951	CPNWH
Symphoricarpos albus		53.17000	-122.94000	1949	CPNWH
Symphoricarpos albus		53.17000	-122.94000	1949	CPNWH
Symphoricarpos albus		53.05000	-132.03000	1957	CPNWH
Symphoricarpos albus		52.98000	-122.49000	1946	CPNWH
Symphoricarpos albus		52.77500	-126.09333	1992	CPNWH
Symphoricarpos albus		52.49000	-115.88000	1958	CPNWH
Symphoricarpos albus		52.00000	-121.80000	1997	CPNWH
Symphoricarpos albus		51.98105	5.74828	2010	CPNWH
Symphoricarpos albus		51.43955	-116.35026	1927	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		51.30000	-103.43000	1959	CPNWH
Symphoricarpos albus		51.18000	-115.57000	1949	CPNWH
Symphoricarpos albus		51.05000	-114.08333	1967	CPNWH
Symphoricarpos albus		50.95000	-119.63333	1988	CPNWH
Symphoricarpos albus		50.95000	-119.63333	1988	CPNWH
Symphoricarpos albus		50.90000	-120.58000	1939	CPNWH
Symphoricarpos albus		50.87000	-121.84000	1963	CPNWH
Symphoricarpos albus		50.87000	-121.74000	1958	CPNWH
Symphoricarpos albus		50.80000	-99.65000	1979	CPNWH
Symphoricarpos albus		50.75000	-119.23000	1966	CPNWH
Symphoricarpos albus		50.72500	-119.03333	1994	CPNWH
Symphoricarpos albus		50.72500	-127.42500	1981	CPNWH
Symphoricarpos albus		50.70000	-119.30000	1951	CPNWH
Symphoricarpos albus		50.69000	-122.13000	1958	CPNWH
Symphoricarpos albus		50.58623	-116.03466	2012	CPNWH
Symphoricarpos albus		50.50000	-119.50000	1952	CPNWH
Symphoricarpos albus		50.47000	-120.27000	1950	CPNWH
Symphoricarpos albus		50.36000	-119.35000	1961	CPNWH
Symphoricarpos albus		50.36000	-119.35000	1952	CPNWH
Symphoricarpos albus		50.27000	-119.27000	1913	CPNWH
Symphoricarpos albus		50.27000	-119.27000	1913	CPNWH
Symphoricarpos albus		50.23139	-118.83972	1984	CPNWH
Symphoricarpos albus		50.21667	-120.08333	1987	CPNWH
Symphoricarpos albus		50.20000	-121.60000	1950	CPNWH
Symphoricarpos albus		50.20000	-121.60000	1949	CPNWH
Symphoricarpos albus		50.20000	-121.60000	1949	CPNWH
Symphoricarpos albus		50.15833	-125.10000	1985	CPNWH
Symphoricarpos albus		50.13333	-119.50000	1987	CPNWH
Symphoricarpos albus		50.12000	-117.90000	1959	CPNWH
Symphoricarpos albus		50.11000	-120.79000	1937	CPNWH
Symphoricarpos albus		50.10000	-119.40000	1987	CPNWH
Symphoricarpos albus		50.02000	-117.29000	1975	CPNWH
Symphoricarpos albus		49.98000	-117.89000	1958	CPNWH
Symphoricarpos albus		49.98000	-124.76000	1911	CPNWH
Symphoricarpos albus		49.94000	-124.81000	1911	CPNWH
Symphoricarpos albus		49.90000	-119.50000	1925	CPNWH
Symphoricarpos albus		49.88333	-124.54167	1981	CPNWH
Symphoricarpos albus		49.85000	-119.52000	1959	CPNWH
Symphoricarpos albus		49.82000	-119.48000	1935	CPNWH
Symphoricarpos albus		49.80000	-118.20000	1957	CPNWH
Symphoricarpos albus		49.78000	-118.15000	1957	CPNWH
Symphoricarpos albus		49.75000	-126.49000	1965	CPNWH
Symphoricarpos albus		49.75000	-126.49000	1951	CPNWH
Symphoricarpos albus		49.75000	-126.49000	1941	CPNWH
Symphoricarpos albus		49.75000	-126.49000	1941	CPNWH
Symphoricarpos albus		49.65419	-99.24972	2009	CPNWH
Symphoricarpos albus		49.64444	-124.05000	1981	CPNWH
Symphoricarpos albus		49.63000	-114.69000	1960	CPNWH
Symphoricarpos albus		49.61669	-112.90087	1954	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		49.61667	-125.16667	1980	CPNWH
Symphoricarpos albus		49.60000	-119.70000	1974	CPNWH
Symphoricarpos albus		49.54600	-120.86400	2002	CPNWH
Symphoricarpos albus		49.54167	-120.90000	1981	CPNWH
Symphoricarpos albus		49.53333	-124.75000	1995	CPNWH
Symphoricarpos albus		49.53333	-124.75000	1995	CPNWH
Symphoricarpos albus		49.53333	-120.71667	1994	CPNWH
Symphoricarpos albus		49.53333	-124.81667	1985	CPNWH
Symphoricarpos albus		49.51667	-125.51667	1983	CPNWH
Symphoricarpos albus		49.50000	-115.16667	1965	CPNWH
Symphoricarpos albus		49.50000	-115.07000	1947	CPNWH
Symphoricarpos albus		49.50000	-117.29000	1937	CPNWH
Symphoricarpos albus		49.48000	-119.59000	1972	CPNWH
Symphoricarpos albus		49.48000	-119.59000	1937	CPNWH
Symphoricarpos albus		49.48000	-119.59000	1913	CPNWH
Symphoricarpos albus		49.47500	-123.84722	1981	CPNWH
Symphoricarpos albus		49.42000	-120.52000	1940	CPNWH
Symphoricarpos albus		49.40000	-118.00000	1996	CPNWH
Symphoricarpos albus		49.40000	-119.90000	1991	CPNWH
Symphoricarpos albus		49.40000	-119.70000	1979	CPNWH
Symphoricarpos albus		49.36667	-114.40000	1960	CPNWH
Symphoricarpos albus		49.30000	-123.20000	1997	CPNWH
Symphoricarpos albus		49.30000	-123.20000	1959	CPNWH
Symphoricarpos albus		49.30000	-123.10000	1956	CPNWH
Symphoricarpos albus		49.30000	-123.10000	1956	CPNWH
Symphoricarpos albus		49.30000	-123.10000	1956	CPNWH
Symphoricarpos albus		49.30000	-124.30000	1950	CPNWH
Symphoricarpos albus		49.29278	-124.08222	1995	CPNWH
Symphoricarpos albus		49.26000	-123.25000	1954	CPNWH
Symphoricarpos albus		49.25000	-121.95000	1974	CPNWH
Symphoricarpos albus		49.25000	-123.25000	1958	CPNWH
Symphoricarpos albus		49.25000	-123.25000	1956	CPNWH
Symphoricarpos albus		49.25000	-122.88000	1949	CPNWH
Symphoricarpos albus		49.25000	-124.80000	1914	CPNWH
Symphoricarpos albus		49.25000	-123.12000	1900	CPNWH
Symphoricarpos albus		49.21000	-95.31000	1951	CPNWH
Symphoricarpos albus		49.20000	-120.60000	1997	CPNWH
Symphoricarpos albus		49.20000	-117.30000	1988	CPNWH
Symphoricarpos albus		49.20000	-123.90000	1968	CPNWH
Symphoricarpos albus		49.20000	-122.70000	1958	CPNWH
Symphoricarpos albus		49.20000	-124.00000	1933	CPNWH
Symphoricarpos albus		49.18000	-119.55000	1951	CPNWH
Symphoricarpos albus		49.18000	-122.25000	1949	CPNWH
Symphoricarpos albus		49.18000	-122.25000	1949	CPNWH
Symphoricarpos albus		49.17000	-123.10000	1937	CPNWH
Symphoricarpos albus		49.17000	-123.10000	1923	CPNWH
Symphoricarpos albus		49.17000	-123.10000	1897	CPNWH
Symphoricarpos albus		49.17000	-123.10000	1897	CPNWH
Symphoricarpos albus		49.15000	-113.95000	1969	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		49.13333	-120.10000	1992	CPNWH
Symphoricarpos albus		49.12297	-118.24164	2012	CPNWH
Symphoricarpos albus		49.11667	-118.96667	1994	CPNWH
Symphoricarpos albus		49.11667	-121.16667	1988	CPNWH
Symphoricarpos albus		49.11000	-122.29000	1918	CPNWH
Symphoricarpos albus		49.10500	-119.66667	1990	CPNWH
Symphoricarpos albus		49.10000	-119.50000	1990	CPNWH
Symphoricarpos albus		49.10000	-123.10000	1974	CPNWH
Symphoricarpos albus		49.10000	-120.70000	1973	CPNWH
Symphoricarpos albus		49.10000	-123.10000	1971	CPNWH
Symphoricarpos albus		49.10000	-123.10000	1971	CPNWH
Symphoricarpos albus		49.10000	-113.86667	1969	CPNWH
Symphoricarpos albus		49.10000	-113.98333	1969	CPNWH
Symphoricarpos albus		49.10000	-124.10000	1957	CPNWH
Symphoricarpos albus		49.10000	-124.20000	1957	CPNWH
Symphoricarpos albus		49.10000	-124.10000	1956	CPNWH
Symphoricarpos albus		49.10000	-124.40000	1956	CPNWH
Symphoricarpos albus		49.10000	-120.90000	1951	CPNWH
Symphoricarpos albus		49.10000	-124.20000	1950	CPNWH
Symphoricarpos albus		49.10000	-124.10000	1950	CPNWH
Symphoricarpos albus		49.10000	-116.50000	1947	CPNWH
Symphoricarpos albus		49.10000	-116.50000	1947	CPNWH
Symphoricarpos albus		49.09000	-124.26000	1956	CPNWH
Symphoricarpos albus		49.08333	-113.83333	1969	CPNWH
Symphoricarpos albus		49.07000	-120.19000	1976	CPNWH
Symphoricarpos albus		49.07000	-120.78000	1957	CPNWH
Symphoricarpos albus		49.05000	-118.75000	1979	CPNWH
Symphoricarpos albus		49.03333	-113.91667	1969	CPNWH
Symphoricarpos albus		49.03333	-114.05000	1969	CPNWH
Symphoricarpos albus		49.02000	-123.05000	1987	CPNWH
Symphoricarpos albus		49.00000	-114.50000	1957	CPNWH
Symphoricarpos albus		49.00000	-120.80000	1951	CPNWH
Symphoricarpos albus		48.94611	-119.05028	1921	CPNWH
Symphoricarpos albus		48.91755	-117.86860	1958	CPNWH
Symphoricarpos albus		48.91667	-121.08333	2002	CPNWH
Symphoricarpos albus		48.90850	-117.86860	1958	CPNWH
Symphoricarpos albus		48.90000	-123.65000	1982	CPNWH
Symphoricarpos albus		48.90000	-123.50000	1970	CPNWH
Symphoricarpos albus		48.90000	-123.50000	1955	CPNWH
Symphoricarpos albus		48.90000	-123.50000	1950	CPNWH
Symphoricarpos albus		48.90000	-123.50000	1950	CPNWH
Symphoricarpos albus		48.89500	-105.16278	1936	CPNWH
Symphoricarpos albus		48.86611	-118.20167	1950	CPNWH
Symphoricarpos albus		48.85000	-123.29000	1957	CPNWH
Symphoricarpos albus		48.84030	-115.18330	1986	CPNWH
Symphoricarpos albus		48.82170	-118.82180	1999	CPNWH
Symphoricarpos albus		48.80000	-86.30000	1939	CPNWH
Symphoricarpos albus		48.79500	-122.61250	1950	CPNWH
Symphoricarpos albus		48.76000	-81.01000	1952	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		48.75972	-122.48694	1962	CPNWH
Symphoricarpos albus		48.75972	-122.48694	1962	CPNWH
Symphoricarpos albus		48.75370	-116.83810	1987	CPNWH
Symphoricarpos albus		48.75370	-116.83810	1987	CPNWH
Symphoricarpos albus		48.74340	-116.89000	2007	CPNWH
Symphoricarpos albus		48.72472	-122.68500	1950	CPNWH
Symphoricarpos albus		48.72069	-116.80302	1959	CPNWH
Symphoricarpos albus		48.70886	-113.85623	1947	CPNWH
Symphoricarpos albus		48.68164	-113.57538	1953	CPNWH
Symphoricarpos albus		48.67720	-113.81651	1957	CPNWH
Symphoricarpos albus		48.67472	-123.21056	1904	CPNWH
Symphoricarpos albus		48.64000	-118.21000	1999	CPNWH
Symphoricarpos albus		48.62657	-117.65025	1979	CPNWH
Symphoricarpos albus		48.61667	-123.43333	1989	CPNWH
Symphoricarpos albus		48.61641	-116.04883	1900	CPNWH
Symphoricarpos albus		48.61083	-118.05472	1946	CPNWH
Symphoricarpos albus		48.61083	-118.05472	1924	CPNWH
Symphoricarpos albus		48.60510	-118.13600	1953	CPNWH
Symphoricarpos albus		48.59540	-115.97150	1982	CPNWH
Symphoricarpos albus		48.59528	-116.99611	1956	CPNWH
Symphoricarpos albus		48.59520	-116.99716	1955	CPNWH
Symphoricarpos albus		48.59222	-123.03194	1996	CPNWH
Symphoricarpos albus		48.57967	-116.98843	1994	CPNWH
Symphoricarpos albus		48.56914	-113.93623	1948	CPNWH
Symphoricarpos albus		48.53760	-115.46140	1968	CPNWH
Symphoricarpos albus		48.53528	-123.00528	1928	CPNWH
Symphoricarpos albus		48.53528	-123.00528	1923	CPNWH
Symphoricarpos albus		48.53528	-123.00528	1909	CPNWH
Symphoricarpos albus		48.52000	-123.42000	1961	CPNWH
Symphoricarpos albus		48.51278	-122.61139	1922	CPNWH
Symphoricarpos albus		48.49987	-119.72558	1932	CPNWH
Symphoricarpos albus		48.49333	-122.84722	1971	CPNWH
Symphoricarpos albus		48.49083	-123.06667	1974	CPNWH
Symphoricarpos albus		48.48870	-118.77100	1999	CPNWH
Symphoricarpos albus		48.48028	-122.81944	1971	CPNWH
Symphoricarpos albus		48.47694	-122.83056	1971	CPNWH
Symphoricarpos albus		48.47694	-122.83056	1971	CPNWH
Symphoricarpos albus		48.47694	-122.83056	1971	CPNWH
Symphoricarpos albus		48.47500	-118.74750	1999	CPNWH
Symphoricarpos albus		48.46500	-115.76280	1989	CPNWH
Symphoricarpos albus		48.46447	-115.80896	1954	CPNWH
Symphoricarpos albus		48.46333	-115.88861	1900	CPNWH
Symphoricarpos albus		48.46000	-123.40000	1967	CPNWH
Symphoricarpos albus		48.46000	-123.55000	1963	CPNWH
Symphoricarpos albus		48.44643	-116.90515	1959	CPNWH
Symphoricarpos albus		48.44305	-122.90810	2005	CPNWH
Symphoricarpos albus		48.43730	-123.34280	2006	CPNWH
Symphoricarpos albus		48.43333	-123.51667	1991	CPNWH
Symphoricarpos albus		48.43333	-123.51667	1991	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		48.43333	-123.51667	1991	CPNWH
Symphoricarpos albus		48.43000	-123.37000	1939	CPNWH
Symphoricarpos albus		48.41972	-122.66306	1965	CPNWH
Symphoricarpos albus		48.41858	-114.57403	1913	CPNWH
Symphoricarpos albus		48.41111	-119.52639	1932	CPNWH
Symphoricarpos albus		48.40750	-122.67000	1967	CPNWH
Symphoricarpos albus		48.40583	-122.64500	1968	CPNWH
Symphoricarpos albus		48.40583	-122.64500	1936	CPNWH
Symphoricarpos albus		48.40000	-123.30000	1981	CPNWH
Symphoricarpos albus		48.40000	-123.30000	1981	CPNWH
Symphoricarpos albus		48.40000	-123.30000	1981	CPNWH
Symphoricarpos albus		48.40000	-123.40000	1968	CPNWH
Symphoricarpos albus		48.40000	-123.30000	1964	CPNWH
Symphoricarpos albus		48.39389	-122.64750	1937	CPNWH
Symphoricarpos albus		48.39389	-122.64750	1937	CPNWH
Symphoricarpos albus		48.39240	-113.97110	1976	CPNWH
Symphoricarpos albus		48.39194	-120.44972	1936	CPNWH
Symphoricarpos albus		48.38911	-116.84161	1959	CPNWH
Symphoricarpos albus		48.38833	-115.55500	1957	CPNWH
Symphoricarpos albus		48.38829	-115.55600	1900	CPNWH
Symphoricarpos albus		48.38787	-115.48840	1957	CPNWH
Symphoricarpos albus		48.37000	-123.73000	1965	CPNWH
Symphoricarpos albus		48.35611	-117.83639	1923	CPNWH
Symphoricarpos albus		48.35611	-117.83639	1923	CPNWH
Symphoricarpos albus		48.35568	-116.78759	1943	CPNWH
Symphoricarpos albus		48.34970	-116.81640	1972	CPNWH
Symphoricarpos albus		48.30944	-120.65528	1918	CPNWH
Symphoricarpos albus		48.29333	-122.64194	1935	CPNWH
Symphoricarpos albus		48.29278	-122.67500	1936	CPNWH
Symphoricarpos albus		48.29225	-116.55406	2016	CPNWH
Symphoricarpos albus		48.26750	-122.15789	1990	CPNWH
Symphoricarpos albus		48.24812	-116.29377	2007	CPNWH
Symphoricarpos albus		48.24812	-116.29377	2007	CPNWH
Symphoricarpos albus		48.21930	-122.12410	1990	CPNWH
Symphoricarpos albus		48.20132	-114.31537	1937	CPNWH
Symphoricarpos albus		48.20000	-89.60000	1980	CPNWH
Symphoricarpos albus		48.19949	-114.31331	1903	CPNWH
Symphoricarpos albus		48.19889	-122.12389	1990	CPNWH
Symphoricarpos albus		48.19889	-122.12389	1963	CPNWH
Symphoricarpos albus		48.19579	-114.31291	1937	CPNWH
Symphoricarpos albus		48.19579	-114.31291	1899	CPNWH
Symphoricarpos albus		48.19500	-106.63556	1900	CPNWH
Symphoricarpos albus		48.18920	-114.96770	2005	CPNWH
Symphoricarpos albus		48.18775	-122.26250	2009	CPNWH
Symphoricarpos albus		48.18775	-122.26250	2009	CPNWH
Symphoricarpos albus		48.18775	-122.26250	1990	CPNWH
Symphoricarpos albus		48.18417	-116.42833	1958	CPNWH
Symphoricarpos albus		48.18048	-116.43352	1958	CPNWH
Symphoricarpos albus		48.15780	-116.73060	1986	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		48.15780	-116.73060	1986	CPNWH
Symphoricarpos albus		48.15389	-118.16806	1946	CPNWH
Symphoricarpos albus		48.14444	-104.51639	1967	CPNWH
Symphoricarpos albus		48.10572	-122.34509	2003	CPNWH
Symphoricarpos albus		48.08023	-114.22151	1908	CPNWH
Symphoricarpos albus		48.06560	-113.24560	1969	CPNWH
Symphoricarpos albus		48.06329	-114.07261	1908	CPNWH
Symphoricarpos albus		48.05194	-122.17583	1930	CPNWH
Symphoricarpos albus		48.04502	-123.06306	1971	CPNWH
Symphoricarpos albus		48.04167	-122.40667	1923	CPNWH
Symphoricarpos albus		48.04000	-120.36000	1964	CPNWH
Symphoricarpos albus		48.01703	-117.45415	1991	CPNWH
Symphoricarpos albus		47.96625	-113.91106	1902	CPNWH
Symphoricarpos albus		47.95717	-114.03400	1952	CPNWH
Symphoricarpos albus		47.94634	-124.52951	1931	CPNWH
Symphoricarpos albus		47.92912	-113.84482	1908	CPNWH
Symphoricarpos albus		47.91306	-122.09694	1998	CPNWH
Symphoricarpos albus		47.90889	-124.63528	1937	CPNWH
Symphoricarpos albus		47.88310	-116.10520	1986	CPNWH
Symphoricarpos albus		47.88155	-116.11516	1986	CPNWH
Symphoricarpos albus		47.87717	-114.03150	1947	CPNWH
Symphoricarpos albus		47.87356	-114.03094	1955	CPNWH
Symphoricarpos albus		47.87356	-114.03094	1955	CPNWH
Symphoricarpos albus		47.87356	-114.03094	1948	CPNWH
Symphoricarpos albus		47.87111	-119.08917	1947	CPNWH
Symphoricarpos albus		47.86975	-117.20162	1923	CPNWH
Symphoricarpos albus		47.86420	-112.65840	1995	CPNWH
Symphoricarpos albus		47.86319	-117.12108	1932	CPNWH
Symphoricarpos albus		47.86153	-122.22220	2009	CPNWH
Symphoricarpos albus		47.84522	-114.21512	1908	CPNWH
Symphoricarpos albus		47.83444	-120.01139	1958	CPNWH
Symphoricarpos albus		47.82967	-113.41647	1972	CPNWH
Symphoricarpos albus		47.82083	-121.55389	1983	CPNWH
Symphoricarpos albus		47.80364	-117.42500	1903	CPNWH
Symphoricarpos albus		47.78893	-122.17072	2016	CPNWH
Symphoricarpos albus		47.78893	-122.17072	2016	CPNWH
Symphoricarpos albus		47.76671	-117.34426	1987	CPNWH
Symphoricarpos albus		47.76374	-122.18935	2009	CPNWH
Symphoricarpos albus		47.75861	-118.51861	1980	CPNWH
Symphoricarpos albus		47.72519	-116.49207	1964	CPNWH
Symphoricarpos albus		47.69333	-115.83972	1946	CPNWH
Symphoricarpos albus		47.69333	-115.83972	1946	CPNWH
Symphoricarpos albus		47.68469	-120.73644	1917	CPNWH
Symphoricarpos albus		47.67970	-117.22740	1986	CPNWH
Symphoricarpos albus		47.67611	-120.20722	1933	CPNWH
Symphoricarpos albus		47.67417	-122.12028	1940	CPNWH
Symphoricarpos albus		47.63587	-115.38213	1957	CPNWH
Symphoricarpos albus		47.62534	-120.66028	1972	CPNWH
Symphoricarpos albus		47.62230	-116.51350	1966	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		47.61745	-112.73282	1922	CPNWH
Symphoricarpos albus		47.61667	-116.68278	1997	CPNWH
Symphoricarpos albus		47.61362	-122.31010	1905	CPNWH
Symphoricarpos albus		47.60639	-122.33083	1929	CPNWH
Symphoricarpos albus		47.60253	-112.75852		CPNWH
Symphoricarpos albus		47.60227	-120.62018	1948	CPNWH
Symphoricarpos albus		47.59639	-120.66028	1931	CPNWH
Symphoricarpos albus		47.57694	-115.23861	1951	CPNWH
Symphoricarpos albus		47.57639	-122.40861	1908	CPNWH
Symphoricarpos albus		47.57361	-122.57944	1923	CPNWH
Symphoricarpos albus		47.55611	-122.54361	1923	CPNWH
Symphoricarpos albus		47.55000	-122.30500	1930	CPNWH
Symphoricarpos albus		47.54615	-120.29345	2005	CPNWH
Symphoricarpos albus		47.51464	-116.54950	2004	CPNWH
Symphoricarpos albus		47.50028	-111.30000	1892	CPNWH
Symphoricarpos albus		47.49767	-115.94794	2018	CPNWH
Symphoricarpos albus		47.49583	-121.78556	1918	CPNWH
Symphoricarpos albus		47.44450	-120.49452	1948	CPNWH
Symphoricarpos albus		47.42360	-114.00360	1948	CPNWH
Symphoricarpos albus		47.42132	-113.97649	1900	CPNWH
Symphoricarpos albus		47.40210	-110.56930	2008	CPNWH
Symphoricarpos albus		47.37821	-120.64671	1935	CPNWH
Symphoricarpos albus		47.37583	-122.41528	1983	CPNWH
Symphoricarpos albus		47.36423	-116.88750	1955	CPNWH
Symphoricarpos albus		47.36193	-116.88748	1955	CPNWH
Symphoricarpos albus		47.34700	-114.25590	1969	CPNWH
Symphoricarpos albus		47.34650	-116.42800	1996	CPNWH
Symphoricarpos albus		47.33611	-122.04500	1928	CPNWH
Symphoricarpos albus		47.32149	-117.49957	1977	CPNWH
Symphoricarpos albus		47.30028	-117.97444	1918	CPNWH
Symphoricarpos albus		47.30028	-117.97444	1918	CPNWH
Symphoricarpos albus		47.29438	-113.56786	1937	CPNWH
Symphoricarpos albus		47.29038	-120.69910	2006	CPNWH
Symphoricarpos albus		47.27048	-116.22578	2007	CPNWH
Symphoricarpos albus		47.25143	-120.87694	1964	CPNWH
Symphoricarpos albus		47.22278	-116.60667	1926	CPNWH
Symphoricarpos albus		47.18827	-113.70204	1901	CPNWH
Symphoricarpos albus		47.12000	-120.68000	1954	CPNWH
Symphoricarpos albus		47.09935	-120.84203	2008	CPNWH
Symphoricarpos albus		47.07531	-118.01333	1946	CPNWH
Symphoricarpos albus		47.06940	-116.88540	1995	CPNWH
Symphoricarpos albus		47.05730	-116.65950	1982	CPNWH
Symphoricarpos albus		47.03720	-121.03570	1937	CPNWH
Symphoricarpos albus		47.03229	-115.34883	2005	CPNWH
Symphoricarpos albus		47.03167	-116.57083	1956	CPNWH
Symphoricarpos albus		47.03032	-122.62275	2016	CPNWH
Symphoricarpos albus		47.02830	-113.39940	1971	CPNWH
Symphoricarpos albus		47.02830	-113.39940	1971	CPNWH
Symphoricarpos albus		47.01083	-116.25194	1994	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		47.00361	-123.40750	1953	CPNWH
Symphoricarpos albus		47.00361	-123.42873	1953	CPNWH
Symphoricarpos albus		47.00222	-123.00417	1992	CPNWH
Symphoricarpos albus		46.99950	-114.03010	1968	CPNWH
Symphoricarpos albus		46.99950	-114.03010	1967	CPNWH
Symphoricarpos albus		46.98993	-113.90094	1936	CPNWH
Symphoricarpos albus		46.98500	-114.03010	1968	CPNWH
Symphoricarpos albus		46.98500	-114.03010	1967	CPNWH
Symphoricarpos albus		46.98500	-114.03010	1967	CPNWH
Symphoricarpos albus		46.97812	-116.89770	2003	CPNWH
Symphoricarpos albus		46.95963	-116.32700	1941	CPNWH
Symphoricarpos albus		46.95963	-116.32700	1941	CPNWH
Symphoricarpos albus		46.95877	-123.63496	2016	CPNWH
Symphoricarpos albus		46.95423	-116.31223	2004	CPNWH
Symphoricarpos albus		46.94170	-113.94600	1961	CPNWH
Symphoricarpos albus		46.93127	-116.39250	1936	CPNWH
Symphoricarpos albus		46.91580	-122.85170	1983	CPNWH
Symphoricarpos albus		46.89122	-113.84516	1933	CPNWH
Symphoricarpos albus		46.88944	-123.06444	2004	CPNWH
Symphoricarpos albus		46.88333	-121.88333	1932	CPNWH
Symphoricarpos albus		46.88028	-117.36333	1922	CPNWH
Symphoricarpos albus		46.87750	-113.97444	1936	CPNWH
Symphoricarpos albus		46.87742	-113.97539	1980	CPNWH
Symphoricarpos albus		46.87742	-113.97539	1936	CPNWH
Symphoricarpos albus		46.87738	-113.97813	1936	CPNWH
Symphoricarpos albus		46.86770	-113.98511	1937	CPNWH
Symphoricarpos albus		46.86659	-113.98817	1937	CPNWH
Symphoricarpos albus		46.86640	-123.03740	2007	CPNWH
Symphoricarpos albus		46.86640	-123.03740	2007	CPNWH
Symphoricarpos albus		46.86250	-117.16583	1997	CPNWH
Symphoricarpos albus		46.85702	-117.05850	2011	CPNWH
Symphoricarpos albus		46.85702	-117.05850	2011	CPNWH
Symphoricarpos albus		46.85510	-113.98800	1967	CPNWH
Symphoricarpos albus		46.85242	-113.96344	1937	CPNWH
Symphoricarpos albus		46.83812	-116.88001	2008	CPNWH
Symphoricarpos albus		46.83605	-116.87706	2009	CPNWH
Symphoricarpos albus		46.83483	-116.87314	2008	CPNWH
Symphoricarpos albus		46.81000	-113.97300	1979	CPNWH
Symphoricarpos albus		46.80809	-117.22198	1988	CPNWH
Symphoricarpos albus		46.80343	-116.91795	1939	CPNWH
Symphoricarpos albus		46.80100	-116.52933	2003	CPNWH
Symphoricarpos albus		46.78351	-116.17987	1927	CPNWH
Symphoricarpos albus		46.77166	-116.97171	1936	CPNWH
Symphoricarpos albus		46.76580	-116.65180	1982	CPNWH
Symphoricarpos albus		46.76440	-121.67322	1919	CPNWH
Symphoricarpos albus		46.73239	-117.00017	1897	CPNWH
Symphoricarpos albus		46.73139	-117.17861	1950	CPNWH
Symphoricarpos albus		46.73139	-117.17861	1894	CPNWH
Symphoricarpos albus		46.73139	-117.17861	1892	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		46.71525	-115.15442	2005	CPNWH
Symphoricarpos albus		46.70244	-117.17861	1952	CPNWH
Symphoricarpos albus		46.68642	-116.93196	1955	CPNWH
Symphoricarpos albus		46.67459	-116.99917	1937	CPNWH
Symphoricarpos albus		46.67459	-116.99917	1937	CPNWH
Symphoricarpos albus		46.66222	-122.96278	1979	CPNWH
Symphoricarpos albus		46.62080	-116.92290	1955	CPNWH
Symphoricarpos albus		46.60428	-122.23332	2006	CPNWH
Symphoricarpos albus		46.59745	-112.02350	1915	CPNWH
Symphoricarpos albus		46.59278	-112.03528	1889	CPNWH
Symphoricarpos albus		46.55778	-118.17528	1988	CPNWH
Symphoricarpos albus		46.55083	-116.92444	1937	CPNWH
Symphoricarpos albus		46.53590	-110.68970	2008	CPNWH
Symphoricarpos albus		46.52333	-116.65000	2006	CPNWH
Symphoricarpos albus		46.51036	46.51036	2008	CPNWH
Symphoricarpos albus		46.50000	-119.71667	1971	CPNWH
Symphoricarpos albus		46.49935	-104.79464	1936	CPNWH
Symphoricarpos albus		46.49260	-114.35050	1959	CPNWH
Symphoricarpos albus		46.47804	-115.79905	1992	CPNWH
Symphoricarpos albus		46.40320	-116.75610	1993	CPNWH
Symphoricarpos albus		46.40320	-116.75610	1993	CPNWH
Symphoricarpos albus		46.34520	-115.31760	1986	CPNWH
Symphoricarpos albus		46.27210	-108.51920	1972	CPNWH
Symphoricarpos albus		46.24639	-123.90611	1924	CPNWH
Symphoricarpos albus		46.23955	-113.67401	1961	CPNWH
Symphoricarpos albus		46.23806	-117.89500	1925	CPNWH
Symphoricarpos albus		46.22707	-123.39972	1927	CPNWH
Symphoricarpos albus		46.22370	-110.42180	2008	CPNWH
Symphoricarpos albus		46.21083	-117.74500	1913	CPNWH
Symphoricarpos albus		46.20326	-123.25643	1971	CPNWH
Symphoricarpos albus		46.17200	-113.89960	1938	CPNWH
Symphoricarpos albus		46.15660	-116.65180	2002	CPNWH
Symphoricarpos albus		46.12100	-115.61012	2005	CPNWH
Symphoricarpos albus		46.09730	-117.11200	1983	CPNWH
Symphoricarpos albus		46.08972	-121.48306	1937	CPNWH
Symphoricarpos albus		46.08650	-112.21160	1934	CPNWH
Symphoricarpos albus		46.08586	-115.49341	2005	CPNWH
Symphoricarpos albus		46.07611	-118.28056	1994	CPNWH
Symphoricarpos albus		46.06750	-117.37556	1928	CPNWH
Symphoricarpos albus		46.06667	-118.27542	1995	CPNWH
Symphoricarpos albus		46.06167	-118.15333	1955	CPNWH
Symphoricarpos albus		46.05150	-122.49444	1971	CPNWH
Symphoricarpos albus		46.03576	-118.34194	1944	CPNWH
Symphoricarpos albus		46.02250	-115.89000	1963	CPNWH
Symphoricarpos albus		46.02250	-115.89000	1946	CPNWH
Symphoricarpos albus		46.02250	-115.89000	1946	CPNWH
Symphoricarpos albus		46.01873	-110.11351	1945	CPNWH
Symphoricarpos albus		45.98333	-118.06667	2002	CPNWH
Symphoricarpos albus		45.98150	-114.00860	1969	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		45.98150	-114.00860	1969	CPNWH
Symphoricarpos albus		45.96917	-123.68417	1951	CPNWH
Symphoricarpos albus		45.96441	-115.73835	1947	CPNWH
Symphoricarpos albus		45.94146	-121.37901	1912	CPNWH
Symphoricarpos albus		45.93277	-118.34503	1944	CPNWH
Symphoricarpos albus		45.93187	-111.49247	1905	CPNWH
Symphoricarpos albus		45.93187	-111.49247	1905	CPNWH
Symphoricarpos albus		45.88889	-104.55222	1937	CPNWH
Symphoricarpos albus		45.85190	-109.93270	1945	CPNWH
Symphoricarpos albus		45.83937	-111.03467	1905	CPNWH
Symphoricarpos albus		45.74908	-114.40981	1974	CPNWH
Symphoricarpos albus		45.73056	-107.60389	1936	CPNWH
Symphoricarpos albus		45.69972	-118.36389	1936	CPNWH
Symphoricarpos albus		45.69339	-110.83419	1957	CPNWH
Symphoricarpos albus		45.69035	-122.81616	1972	CPNWH
Symphoricarpos albus		45.64971	-122.00536	1919	CPNWH
Symphoricarpos albus		45.62572	-122.36361	2006	CPNWH
Symphoricarpos albus		45.62276	-123.11471	2011	CPNWH
Symphoricarpos albus		45.61779	-122.72218	2006	CPNWH
Symphoricarpos albus		45.61688	-122.89258	2009	CPNWH
Symphoricarpos albus		45.61593	-122.74649	2010	CPNWH
Symphoricarpos albus		45.60740	-105.95520	1972	CPNWH
Symphoricarpos albus		45.59310	-116.95420	2003	CPNWH
Symphoricarpos albus		45.57490	-116.97180	2003	CPNWH
Symphoricarpos albus		45.56990	-122.19640	1988	CPNWH
Symphoricarpos albus		45.54569	-110.91962	1895	CPNWH
Symphoricarpos albus		45.53730	-116.38240	1995	CPNWH
Symphoricarpos albus		45.52056	-109.44222	1922	CPNWH
Symphoricarpos albus		45.52056	-109.44222	1914	CPNWH
Symphoricarpos albus		45.51984	-123.11066	1926	CPNWH
Symphoricarpos albus		45.48197	-115.93128	1956	CPNWH
Symphoricarpos albus		45.47917	-109.72000	1923	CPNWH
Symphoricarpos albus		45.47500	-122.65300	2006	CPNWH
Symphoricarpos albus		45.45526	-122.92432	1979	CPNWH
Symphoricarpos albus		45.44687	-112.63474	1936	CPNWH
Symphoricarpos albus		45.44389	-105.40694	1948	CPNWH
Symphoricarpos albus		45.44139	-122.67167	2006	CPNWH
Symphoricarpos albus		45.42219	-116.39696	1954	CPNWH
Symphoricarpos albus		45.40099	-116.11639	2019	CPNWH
Symphoricarpos albus		45.39960	-111.21820	1990	CPNWH
Symphoricarpos albus		45.36880	-121.69780	1926	CPNWH
Symphoricarpos albus		45.32534	-111.44671	1897	CPNWH
Symphoricarpos albus		45.31740	-106.09790	1993	CPNWH
Symphoricarpos albus		45.29310	-117.30830	2002	CPNWH
Symphoricarpos albus		45.29305	-117.30825	2002	CPNWH
Symphoricarpos albus		45.29305	-117.30825	2002	CPNWH
Symphoricarpos albus		45.25280	-107.95880	1983	CPNWH
Symphoricarpos albus		45.21667	-123.30000	1992	CPNWH
Symphoricarpos albus		45.20137	-116.24396	2016	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		45.19055	-109.24577	1919	CPNWH
Symphoricarpos albus		45.18625	-119.01000	1969	CPNWH
Symphoricarpos albus		45.15155	-114.99616	2011	CPNWH
Symphoricarpos albus		45.14638	-114.92238	2011	CPNWH
Symphoricarpos albus		45.13803	-109.28227	1945	CPNWH
Symphoricarpos albus		45.10406	-114.85850	2011	CPNWH
Symphoricarpos albus		45.09898	-114.86298	2011	CPNWH
Symphoricarpos albus		45.09424	-114.23093	1946	CPNWH
Symphoricarpos albus		45.09389	-113.70259	2015	CPNWH
Symphoricarpos albus		45.09095	-114.86617	2011	CPNWH
Symphoricarpos albus		45.06790	-114.85069	2011	CPNWH
Symphoricarpos albus		45.00858	-104.41194	1948	CPNWH
Symphoricarpos albus		44.95694	-116.09528	2008	CPNWH
Symphoricarpos albus		44.91000	-116.94889	1950	CPNWH
Symphoricarpos albus		44.83490	-107.32410	1978	CPNWH
Symphoricarpos albus		44.81760	-111.58910	1950	CPNWH
Symphoricarpos albus		44.78603	-116.33543	1996	CPNWH
Symphoricarpos albus		44.70650	-116.54715	2011	CPNWH
Symphoricarpos albus		44.70650	-116.54715	2011	CPNWH
Symphoricarpos albus		44.67650	-123.11350	1960	CPNWH
Symphoricarpos albus		44.58772	-123.54923	1950	CPNWH
Symphoricarpos albus		44.56472	-123.26083	1912	CPNWH
Symphoricarpos albus		44.51775	-111.23966	1977	CPNWH
Symphoricarpos albus		44.46896	-119.04081	1946	CPNWH
Symphoricarpos albus		44.42498	-111.36875	1978	CPNWH
Symphoricarpos albus		44.42498	-111.36875	1978	CPNWH
Symphoricarpos albus		44.41417	-111.39306	1952	CPNWH
Symphoricarpos albus		44.33585	-116.22345	2007	CPNWH
Symphoricarpos albus		44.23038	-115.89860	2008	CPNWH
Symphoricarpos albus		44.19396	-111.40631	1977	CPNWH
Symphoricarpos albus		44.08361	-115.61972	1944	CPNWH
Symphoricarpos albus		44.05833	-123.08250	1971	CPNWH
Symphoricarpos albus		44.05358	-111.10156	1939	CPNWH
Symphoricarpos albus		43.75797	-115.57630	2013	CPNWH
Symphoricarpos albus		43.52944	-121.65056	1934	CPNWH
Symphoricarpos albus		43.45180	-115.38640	1954	CPNWH
Symphoricarpos albus		43.35750	-115.44778	1954	CPNWH
Symphoricarpos albus		43.16056	-123.36667	1942	CPNWH
Symphoricarpos albus		42.43920	-123.32720	1909	CPNWH
Symphoricarpos albus		42.27858	-83.73831	1989	CPNWH
Symphoricarpos albus		42.27250	-120.23483		CPNWH
Symphoricarpos albus		42.18065	-122.85375	2012	CPNWH
Symphoricarpos albus		42.08721	-123.37037	1949	CPNWH
Symphoricarpos albus		40.92369	-123.80550	2007	CPNWH
Symphoricarpos albus		37.40611	-113.53750	2006	CPNWH
Symphoricarpos albus		37.39550	-113.52220	2004	CPNWH
Symphoricarpos albus		45.53569	-122.82979	1976	CPNWH
Symphoricarpos albus		54.99000	-129.85000	1973	CPNWH
Symphoricarpos albus		48.63694	-118.20944	1999	CPNWH

Species	Subspecies	Latitude	Longitude	Year	Source
Symphoricarpos albus		48.51778	-118.83778	1999	CPNWH
Symphoricarpos albus		49.03333	-119.56583	1999	CPNWH

Appendix Table 2. Filtered and spatially thinned *S. albus* herbaria records used for distribution modeling with geographic coordinates, collection year, and source herbaria (records thinned to 50km).

Species	Latitude	Longitude	Year	Source
Symphoricarpos albus	33.48333	-115.70000	1944	CCH
Symphoricarpos albus	32.75442	-116.64844	1944	CCH
Symphoricarpos albus	33.26230	-116.80980	2004	CCH
Symphoricarpos albus	34.18619	-117.02894	1921	CCH
Symphoricarpos albus	33.56000	-117.51000	1994	CCH
Symphoricarpos albus	34.17981	-117.88225	2006	CCH
Symphoricarpos albus	33.35473	-118.33426	1931	CCH
Symphoricarpos albus	34.10008	-118.50328	1929	CCH
Symphoricarpos albus	34.74020	-118.65080	1990	CCH
Symphoricarpos albus	35.68383	-118.67874	1965	CCH
Symphoricarpos albus	36.56249	-118.74963	1930	CCH
Symphoricarpos albus	34.35800	-119.31700	1971	CCH
Symphoricarpos albus	40.77272	-120.16577	2015	CCH
Symphoricarpos albus	38.67500	-120.30889	2006	CCH
Symphoricarpos albus	34.58000	-120.42667	2004	CCH
Symphoricarpos albus	37.95233	-120.45893	1919	CCH
Symphoricarpos albus	35.30890	-120.49140	2000	CCH
Symphoricarpos albus	36.25100	-120.71580	1983	CCH
Symphoricarpos albus	39.04073	-120.81827	1967	CCH
Symphoricarpos albus	39.86056	-120.85306	1969	CCH
Symphoricarpos albus	38.35625	-120.93337	1904	CCH
Symphoricarpos albus	35.56400	-121.08084	1926	CCH
Symphoricarpos albus	40.25226	-121.16028	1920	CCH
Symphoricarpos albus	36.69870	-121.31104	1934	CCH
Symphoricarpos albus	36.00500	-121.39400	1954	CCH
Symphoricarpos albus	41.11306	-121.45333	2004	CCH
Symphoricarpos albus	39.74722	-121.54111	2007	CCH
Symphoricarpos albus	41.58224	-121.59763	1893	CCH
Symphoricarpos albus	37.32510	-121.64980	1931	CCH
Symphoricarpos albus	38.51844	-121.68598	2013	CCH
Symphoricarpos albus	39.22454	-121.78137	1981	CCH
Symphoricarpos albus	36.53797	-121.87575	1905	CCH
Symphoricarpos albus	37.85893	-121.89064	1931	CCH
Symphoricarpos albus	40.82417	-121.93278	2010	CCH
Symphoricarpos albus	36.96951	-122.03510	1881	CCH
Symphoricarpos albus	40.10194	-122.04722	1997	CCH
Symphoricarpos albus	37.40407	-122.23662	1937	CCH
Symphoricarpos albus	41.31242	-122.33972	1930	CCH

Species	Latitude	Longitude	Year	Source
Symphoricarpos albus	38.54905	-122.45232	1962	CCH
Symphoricarpos albus	40.64180	-122.56930	1996	CCH
Symphoricarpos albus	37.87472	-122.59111	1993	CCH
Symphoricarpos albus	39.40639	-122.63583	2006	CCH
Symphoricarpos albus	41.82432	-122.67085	1933	CCH
Symphoricarpos albus	38.97307	-122.83470	1937	CCH
Symphoricarpos albus	38.24109	-122.96024	1932	CCH
Symphoricarpos albus	39.94833	-122.98914	1980	CCH
Symphoricarpos albus	40.81037	-123.12022	1974	CCH
Symphoricarpos albus	41.36563	-123.41453	1970	CCH
Symphoricarpos albus	40.43994	-123.47580	1933	CCH
Symphoricarpos albus	41.97760	-123.51590	1982	CCH
Symphoricarpos albus	38.76847	-123.52966	1913	CCH
Symphoricarpos albus	39.26483	-123.59047	1906	CCH
Symphoricarpos albus	40.92369	-123.80550	2007	CCH
Symphoricarpos albus	39.98067	-123.94526	1927	CCH
Symphoricarpos albus	41.53531	-123.98028	1921	CCH
Symphoricarpos albus	40.55037	-124.27449	1971	CCH
Symphoricarpos albus	45.00858	-104.41194	1948	CPNWH
Symphoricarpos albus	45.88889	-104.55222	1937	CPNWH
Symphoricarpos albus	46.49935	-104.79464	1936	CPNWH
Symphoricarpos albus	45.73056	-107.60389	1936	CPNWH
Symphoricarpos albus	46.27210	-108.51920	1972	CPNWH
Symphoricarpos albus	45.52056	-109.44222	1922	CPNWH
Symphoricarpos albus	46.01873	-110.11351	1945	CPNWH
Symphoricarpos albus	45.69339	-110.83419	1957	CPNWH
Symphoricarpos albus	45.32534	-111.44671	1897	CPNWH
Symphoricarpos albus	45.93187	-111.49247	1905	CPNWH
Symphoricarpos albus	44.81760	-111.58910	1950	CPNWH
Symphoricarpos albus	46.59745	-112.02350	1915	CPNWH
Symphoricarpos albus	46.08650	-112.21160	1934	CPNWH
Symphoricarpos albus	47.61745	-112.73282	1922	CPNWH
Symphoricarpos albus	49.61669	-112.90087	1954	CPNWH
Symphoricarpos albus	48.06560	-113.24560	1969	CPNWH
Symphoricarpos albus	37.40611	-113.53750	2006	CPNWH
Symphoricarpos albus	47.29438	-113.56786	1937	CPNWH
Symphoricarpos albus	48.68164	-113.57538	1953	CPNWH
Symphoricarpos albus	45.09389	-113.70259	2015	CPNWH
Symphoricarpos albus	49.15000	-113.95000	1969	CPNWH
Symphoricarpos albus	46.86770	-113.98511	1937	CPNWH
Symphoricarpos albus	45.98150	-114.00860	1969	CPNWH
Symphoricarpos albus	47.87356	-114.03094	1955	CPNWH

Species	Latitude	Longitude	Year	Source
Symphoricarpos albus	51.05000	-114.08333	1967	CPNWH
Symphoricarpos albus	47.34700	-114.25590	1969	CPNWH
Symphoricarpos albus	46.49260	-114.35050	1959	CPNWH
Symphoricarpos albus	49.63000	-114.69000	1960	CPNWH
Symphoricarpos albus	48.18920	-114.96770	2005	CPNWH
Symphoricarpos albus	48.84030	-115.18330	1986	CPNWH
Symphoricarpos albus	47.57694	-115.23861	1951	CPNWH
Symphoricarpos albus	47.03229	-115.34883	2005	CPNWH
Symphoricarpos albus	43.45180	-115.38640	1954	CPNWH
Symphoricarpos albus	51.18000	-115.57000	1949	CPNWH
Symphoricarpos albus	44.08361	-115.61972	1944	CPNWH
Symphoricarpos albus	45.96441	-115.73835	1947	CPNWH
Symphoricarpos albus	48.46500	-115.76280	1989	CPNWH
Symphoricarpos albus	46.47804	-115.79905	1992	CPNWH
Symphoricarpos albus	52.49000	-115.88000	1958	CPNWH
Symphoricarpos albus	50.58623	-116.03466	2012	CPNWH
Symphoricarpos albus	47.88155	-116.11516	1986	CPNWH
Symphoricarpos albus	45.40099	-116.11639	2019	CPNWH
Symphoricarpos albus	47.01083	-116.25194	1994	CPNWH
Symphoricarpos albus	51.43955	-116.35026	1927	CPNWH
Symphoricarpos albus	48.29225	-116.55406	2016	CPNWH
Symphoricarpos albus	46.40320	-116.75610	1993	CPNWH
Symphoricarpos albus	48.75370	-116.83810	1987	CPNWH
Symphoricarpos albus	47.36193	-116.88748	1955	CPNWH
Symphoricarpos albus	45.59310	-116.95420	2003	CPNWH
Symphoricarpos albus	46.85702	-117.05850	2011	CPNWH
Symphoricarpos albus	50.02000	-117.29000	1975	CPNWH
Symphoricarpos albus	47.76671	-117.34426	1987	CPNWH
Symphoricarpos albus	48.35611	-117.83639	1923	CPNWH
Symphoricarpos albus	47.30028	-117.97444	1918	CPNWH
Symphoricarpos albus	46.55778	-118.17528	1988	CPNWH
Symphoricarpos albus	49.80000	-118.20000	1957	CPNWH
Symphoricarpos albus	49.12297	-118.24164	2012	CPNWH
Symphoricarpos albus	46.03576	-118.34194	1944	CPNWH
Symphoricarpos albus	47.75861	-118.51861	1980	CPNWH
Symphoricarpos albus	48.48870	-118.77100	1999	CPNWH
Symphoricarpos albus	50.72500	-119.03333	1994	CPNWH
Symphoricarpos albus	48.94611	-119.05028	1921	CPNWH
Symphoricarpos albus	50.27000	-119.27000	1913	CPNWH
Symphoricarpos albus	49.85000	-119.52000	1959	CPNWH
Symphoricarpos albus	48.49987	-119.72558	1932	CPNWH
Symphoricarpos albus	47.83444	-120.01139	1958	CPNWH

Species	Latitude	Longitude	Year	Source
Symphoricarpos albus	50.21667	-120.08333	1987	CPNWH
Symphoricarpos albus	49.07000	-120.19000	1976	CPNWH
Symphoricarpos albus	42.27250	-120.23483		CPNWH
Symphoricarpos albus	48.30944	-120.65528	1918	CPNWH
Symphoricarpos albus	47.62534	-120.66028	1972	CPNWH
Symphoricarpos albus	47.12000	-120.68000	1954	CPNWH
Symphoricarpos albus	49.53333	-120.71667	1994	CPNWH
Symphoricarpos albus	50.11000	-120.79000	1937	CPNWH
Symphoricarpos albus	49.11667	-121.16667	1988	CPNWH
Symphoricarpos albus	45.94146	-121.37901	1912	CPNWH
Symphoricarpos albus	43.52944	-121.65056	1934	CPNWH
Symphoricarpos albus	46.76440	-121.67322	1919	CPNWH
Symphoricarpos albus	50.87000	-121.74000	1958	CPNWH
Symphoricarpos albus	47.49583	-121.78556	1918	CPNWH
Symphoricarpos albus	48.19889	-122.12389	1990	CPNWH
Symphoricarpos albus	49.18000	-122.25000	1949	CPNWH
Symphoricarpos albus	46.05150	-122.49444	1971	CPNWH
Symphoricarpos albus	47.55611	-122.54361	1923	CPNWH
Symphoricarpos albus	48.47694	-122.83056	1971	CPNWH
Symphoricarpos albus	53.17000	-122.94000	1949	CPNWH
Symphoricarpos albus	46.66222	-122.96278	1979	CPNWH
Symphoricarpos albus	48.04502	-123.06306	1971	CPNWH
Symphoricarpos albus	44.05833	-123.08250	1971	CPNWH
Symphoricarpos albus	44.67650	-123.11350	1960	CPNWH
Symphoricarpos albus	49.25000	-123.25000	1958	CPNWH
Symphoricarpos albus	46.20326	-123.25643	1971	CPNWH
Symphoricarpos albus	43.16056	-123.36667	1942	CPNWH
Symphoricarpos albus	47.00361	-123.40750	1953	CPNWH
Symphoricarpos albus	54.15000	-123.51667	1979	CPNWH
Symphoricarpos albus	48.37000	-123.73000	1965	CPNWH
Symphoricarpos albus	46.24639	-123.90611	1924	CPNWH
Symphoricarpos albus	49.64444	-124.05000	1981	CPNWH
Symphoricarpos albus	47.94634	-124.52951	1931	CPNWH
Symphoricarpos albus	49.98000	-124.76000	1911	CPNWH
Symphoricarpos albus	49.25000	-124.80000	1914	CPNWH
Symphoricarpos albus	49.51667	-125.51667	1983	CPNWH
Symphoricarpos albus	52.77500	-126.09333	1992	CPNWH
Symphoricarpos albus	49.75000	-126.49000	1965	CPNWH
Symphoricarpos albus	54.78000	-127.17000	1946	CPNWH
Symphoricarpos albus	50.72500	-127.42500	1981	CPNWH
Symphoricarpos albus	53.59000	-127.96000	1958	CPNWH
Symphoricarpos albus	55.01667	-128.33333	1988	CPNWH

Species	Latitude	Longitude	Year	Source
Symphoricarpos albus	54.99000	-129.85000	1973	CPNWH
Symphoricarpos albus	53.05000	-132.03000	1957	CPNWH
Symphoricarpos albus	43.59420	-114.41270	2006	OSU
Symphoricarpos albus	44.98436	-117.37165	1957	OSU
Symphoricarpos albus	44.43750	-118.19170	1906	OSU
Symphoricarpos albus	44.38970	-118.94920	1925	OSU
Symphoricarpos albus	45.91750	-119.34140	1915	OSU
Symphoricarpos albus	44.65411	-120.25055	2007	OSU
Symphoricarpos albus	44.58609	-121.68476	1959	OSU
Symphoricarpos albus	42.56310	-121.86210	1931	OSU
Symphoricarpos albus	45.64407	-122.01343	1952	OSU
Symphoricarpos albus	44.20416	-122.37416	1939	OSU
Symphoricarpos albus	42.75110	-122.48780	1927	OSU
Symphoricarpos albus	43.57440	-122.65580	1927	OSU
Symphoricarpos albus	45.47080	-122.67060	1903	OSU
Symphoricarpos albus	45.05823	-123.64121	1964	OSU
Symphoricarpos albus	42.45955	-123.67322	1966	OSU
Symphoricarpos albus	44.03130	-123.85730	1936	OSU
Symphoricarpos albus	42.05590	-124.27020	1929	OSU
Symphoricarpos albus	45.54580	-103.05320	1912	RMH
Symphoricarpos albus	43.45190	-103.50930	1927	RMH
Symphoricarpos albus	44.37920	-103.81690	1956	RMH
Symphoricarpos albus	42.03720	-104.15520	2000	RMH
Symphoricarpos albus	43.93397	-104.28382	2006	RMH
Symphoricarpos albus	37.00194	-104.36750	1990	RMH
Symphoricarpos albus	44.59590	-104.71380	1934	RMH
Symphoricarpos albus	38.70180	-104.85990	1996	RMH
Symphoricarpos albus	39.39590	-105.10120	1996	RMH
Symphoricarpos albus	40.43070	-105.24020	2001	RMH
Symphoricarpos albus	41.21100	-105.37330	1998	RMH
Symphoricarpos albus	42.44260	-105.45230	1998	RMH
Symphoricarpos albus	41.66190	-105.52790	1997	RMH
Symphoricarpos albus	38.46890	-105.57850	1996	RMH
Symphoricarpos albus	44.55530	-105.97000	1978	RMH
Symphoricarpos albus	45.72130	-105.99280	2010	RMH
Symphoricarpos albus	45.29200	-106.18270	2010	RMH
Symphoricarpos albus	42.71520	-106.41320	1997	RMH
Symphoricarpos albus	39.55630	-106.56120	2000	RMH
Symphoricarpos albus	44.57010	-106.91750	1985	RMH
Symphoricarpos albus	44.02540	-106.91840	1976	RMH
Symphoricarpos albus	44.97583	-107.69389	1996	RMH
Symphoricarpos albus	48.48260	-107.97610	2010	RMH

Species	Latitude	Longitude	Year	Source
Symphoricarpos albus	45.16350	-108.40800	2008	RMH
Symphoricarpos albus	47.95960	-108.53740	2011	RMH
Symphoricarpos albus	33.42660	-108.70180	1921	RMH
Symphoricarpos albus	44.04280	-108.98110	2001	RMH
Symphoricarpos albus	44.96530	-109.82111	1985	RMH
Symphoricarpos albus	44.50530	-109.96640	1988	RMH
Symphoricarpos albus	45.54520	-110.21040	1991	RMH
Symphoricarpos albus	43.86630	-110.26340	1987	RMH
Symphoricarpos albus	47.40210	-110.56930	2008	RMH
Symphoricarpos albus	46.53590	-110.68970	2008	RMH
Symphoricarpos albus	45.24320	-110.75230	2007	RMH
Symphoricarpos albus	43.20410	-110.88620	1923	RMH
Symphoricarpos albus	34.30279	-110.89600	1927	RMH
Symphoricarpos albus	43.76340	-110.95420	1956	RMH
Symphoricarpos albus	44.33830	-111.30460	1992	RMH
Symphoricarpos albus	43.64400	-111.55530	1991	RMH
Symphoricarpos albus	35.19749	-111.65120	1923	RMH
Symphoricarpos albus	45.47800	-112.06660	2013	RMH
Symphoricarpos albus	45.03340	-112.59390	2013	RMH
Symphoricarpos albus	48.38180	-114.08320	1934	RMH
Symphoricarpos albus	45.50274	-114.46557	2010	RMH
Symphoricarpos albus	45.38180	-115.09150	2000	RMH
Symphoricarpos albus	44.86840	-115.68840	1999	RMH
Symphoricarpos albus	44.76630	-116.34050	1999	RMH
Symphoricarpos albus	45.14390	-116.70790	2000	RMH
Symphoricarpos albus	44.53460	-116.96800	1999	RMH
Symphoricarpos albus	48.92450	-117.48530	1995	RMH
Symphoricarpos albus	46.20528	-117.57417	2001	RMH
Symphoricarpos albus	45.44192	-118.22806	2001	RMH
Symphoricarpos albus	45.16997	-118.73900	2002	RMH
Symphoricarpos albus	44.94778	-119.70861	2002	RMH

Appendix Table 3. *R. zephyria* samples with sample identifier, collection location, weight of empty tube, pre- and post-treatment weights of tube containing the specimens, beginning and end dates of specimen desiccation treatment, PWR, and development status following dissection (P: developing pupa, F: development failure, W: parasitic wasp present; all weights in milligrams).

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
BHL001	Bellingham	0.46780	9/9/18	0.47197	9/17/18	0.47070	0.6954	P
BHL002	Bellingham	0.42262	9/9/18	0.42851	9/17/18	0.42657	0.6706	P
BHL003	Bellingham	0.42316	9/9/18	0.42747	9/17/18	0.42617	0.6984	P
BHL007	Bellingham	0.41949	9/9/18	0.42400	9/17/18	0.42095	0.3237	F
BHL008	Bellingham	0.42282	9/9/18	0.42641	9/17/18	0.42469	0.5209	W
BHL009	Bellingham	0.46796	9/9/18	0.47302	9/17/18	0.47166	0.7312	P
BHL010	Bellingham	0.42269	9/9/18	0.42889	9/17/18	0.42576	0.4952	W
BHL011	Bellingham	0.46825	9/9/18	0.47393	9/17/18	0.47110	0.5018	W
BHL012	Bellingham	0.42274	9/9/18	0.42743	9/17/18	0.42533	0.5522	W
BHL013	Bellingham	0.42264	9/9/18	0.42879	9/17/18	0.42640	0.6114	F
BHL014	Bellingham	0.42227	9/9/18	0.42887	9/17/18	0.42576	0.5288	W
BHL015	Bellingham	0.42221	9/9/18	0.42579	9/17/18	0.42360	0.3883	F
BHL016	Bellingham	0.45607	9/9/18	0.45982	9/17/18	0.45808	0.5360	W
BHL017	Bellingham	0.42085	9/9/18	0.42731	9/17/18	0.42448	0.5619	W
BHL018	Bellingham	0.42231	9/9/18	0.42563	9/17/18	0.42342	0.3343	W
BHL019	Bellingham	0.42293	9/9/18	0.42966	9/17/18	0.42665	0.5527	W
BHL020	Bellingham	0.46773	9/9/18	0.47381	9/17/18	0.47126	0.5806	W
BHL021	Bellingham	0.42689	9/9/18	0.43225	9/17/18	0.43070	0.7108	P
BHL023	Bellingham	0.42111	9/9/18	0.42557	9/17/18	0.42347	0.5291	W
BHL024	Bellingham	0.42684	9/9/18	0.43310	9/17/18	0.43013	0.5256	W
BHL025	Bellingham	0.42219	9/10/18	0.43124	9/18/18	0.42802	0.6442	P
BHL026	Bellingham	0.41922	9/10/18	0.42571	9/18/18	0.42355	0.6672	P
BHL027	Bellingham	0.42099	9/10/18	0.42623	9/18/18	0.42338	0.4561	W
BHL028	Bellingham	0.41816	9/10/18	0.42402	9/18/18	0.42152	0.5734	W
BHL029	Bellingham	0.41852	9/10/18	0.42429	9/18/18	0.42234	0.6620	W
BHL030	Bellingham	0.42067	9/10/18	0.42524	9/18/18	0.42319	0.5514	W
BHL031	Bellingham	0.42125	9/10/18	0.42703	9/18/18	0.42432	0.5311	W
BHL032	Bellingham	0.46767	9/10/18	0.47351	9/18/18	0.47070	0.5188	W
BHL033	Bellingham	0.42248	9/10/18	0.42818	9/18/18	0.42630	0.6702	W
BHL034	Bellingham	0.45587	9/10/18	0.46072	9/18/18	0.45851	0.5443	W
BHL035	Bellingham	0.44405	9/10/18	0.44996	9/18/18	0.44706	0.5093	W
BHL036	Bellingham	0.42242	9/10/18	0.42743	9/18/18	0.42516	0.5469	W
BHL037	Bellingham	0.45532	9/10/18	0.45934	9/18/18	0.45733	0.5000	W
BHL038	Bellingham	0.42261	9/10/18	0.43148	9/18/18	0.42905	0.7260	P
BHL039	Bellingham	0.42269	9/10/18	0.42965	9/18/18	0.42786	0.7428	P
BHL040	Bellingham	0.42273	9/10/18	0.42868	9/18/18	0.42615	0.5748	W
BHL041	Bellingham	0.46800	9/10/18	0.47584	9/18/18	0.47337	0.6849	P
BHL042	Bellingham	0.41823	9/10/18	0.42177	9/18/18	0.42012	0.5339	W
BHL043	Bellingham	0.42627	9/10/18	0.43093	9/18/18	0.42878	0.5386	W
BHL044	Bellingham	0.46737	9/10/18	0.47280	9/18/18	0.47137	0.7366	P
BHL045	Bellingham	0.41922	9/10/18	0.42439	9/18/18	0.42185	0.5087	W
BHL046	Bellingham	0.42133	9/10/18	0.42617	9/18/18	0.42392	0.5351	W
BHL047	Bellingham	0.42670	9/10/18	0.43124	9/18/18	0.42921	0.5529	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
BHL048	Bellingham	0.45598	9/10/18	0.46037	9/18/18	0.45837	0.5444	W
BHL049	Bellingham	0.42216	9/10/18	0.42743	9/18/18	0.42609	0.7457	P
BHL050	Bellingham	0.45571	9/10/18	0.46089	9/18/18	0.45825	0.4903	F
BHL051	Bellingham	0.42106	9/10/18	0.42607	9/18/18	0.42489	0.7645	P
BHL052	Bellingham	0.41816	9/10/18	0.42420	9/18/18	0.42169	0.5844	F
BHL053	Bellingham	0.41821	9/10/18	0.42619	9/18/18	0.42416	0.7456	P
BHL054	Bellingham	0.42087	9/10/18	0.42884	9/18/18	0.42689	0.7553	P
BHL055	Bellingham	0.42797	9/10/18	0.43363	9/18/18	0.43077	0.4947	W
BHL056	Bellingham	0.42527	9/10/18	0.43019	9/18/18	0.42797	0.5488	W
BHL057	Bellingham	0.46760	9/10/18	0.47424	9/18/18	0.47253	0.7425	P
BHL058	Bellingham	0.42775	9/10/18	0.43222	9/18/18	0.43005	0.5145	F
BHL059	Bellingham	0.41920	9/10/18	0.42675	9/18/18	0.42400	0.6358	F
BHL060	Bellingham	0.42224	9/10/18	0.42739	9/18/18	0.42627	0.7825	P
BHL061	Bellingham	0.45579	9/10/18	0.45971	9/18/18	0.45792	0.5434	F
BHL062	Bellingham	0.45570	9/10/18	0.45956	9/18/18	0.45780	0.5440	W
BHL063	Bellingham	0.42246	9/10/18	0.42778	9/18/18	0.42524	0.5226	W
BHL064	Bellingham	0.42255	9/10/18	0.42873	9/18/18	0.42652	0.6424	P
BHL065	Bellingham	0.42195	9/10/18	0.42667	9/18/18	0.42398	0.4301	W
BHL066	Bellingham	0.42133	9/10/18	0.42546	9/18/18	0.42289	0.3777	F
BHL067	Bellingham	0.46755	9/10/18	0.47380	9/18/18	0.47093	0.5408	W
BHL068	Bellingham	0.42061	9/10/18	0.42567	9/18/18	0.42358	0.5870	W
BHL069	Bellingham	0.42143	9/10/18	0.42771	9/18/18	0.42485	0.5446	W
BHL070	Bellingham	0.42241	9/10/18	0.42818	9/18/18	0.42594	0.6118	W
BHL071	Bellingham	0.45580	9/10/18	0.45978	9/18/18	0.45784	0.5126	W
BHL072	Bellingham	0.46800	9/10/18	0.47097	9/18/18	0.46921	0.4074	F
BHL073	Bellingham	0.42139	9/10/18	0.42678	9/18/18	0.42442	0.5622	W
BHL074	Bellingham	0.42073	9/10/18	0.42357	9/18/18	0.42220	0.5176	W
BHL075	Bellingham	0.42583	9/10/18	0.43072	9/18/18	0.42800	0.4438	F
BHL076	Bellingham	0.41838	9/10/18	0.42408	9/18/18	0.42222	0.6737	P
BHL077	Bellingham	0.42265	9/10/18	0.42740	9/18/18	0.42528	0.5537	F
BHL078	Bellingham	0.44416	9/11/18	0.45286	9/19/18	0.44999	0.6701	P
BHL079	Bellingham	0.42214	9/11/18	0.42943	9/19/18	0.42728	0.7051	P
BHL080	Bellingham	0.42111	9/11/18	0.42841	9/19/18	0.42626	0.7055	P
BHL081	Bellingham	0.42119	9/11/18	0.42815	9/19/18	0.42457	0.4856	W
BHL082	Bellingham	0.41835	9/11/18	0.42820	9/19/18	0.42531	0.7066	P
BHL083	Bellingham	0.45566	9/11/18	0.46085	9/19/18	0.45842	0.5318	W
BHL084	Bellingham	0.42221	9/11/18	0.42997	9/19/18	0.42801	0.7474	P
BHL085	Bellingham	0.42676	9/11/18	0.43384	9/19/18	0.43159	0.6822	P
BHL086	Bellingham	0.42270	9/11/18	0.42892	9/19/18	0.42719	0.7219	P
BHL087	Bellingham	0.41888	9/11/18	0.42653	9/19/18	0.42406	0.6771	P
BHL088	Bellingham	0.42247	9/11/18	0.42849	9/19/18	0.42658	0.6827	P
BHL089	Bellingham	0.45556	9/11/18	0.46212	9/19/18	0.45892	0.5122	W
BHL090	Bellingham	0.44382	9/11/18	0.44970	9/19/18	0.44664	0.4796	W
BHL091	Bellingham	0.41947	9/11/18	0.42539	9/19/18	0.42254	0.5186	W
BHL092	Bellingham	0.42668	9/11/18	0.43240	9/19/18	0.43080	0.7203	P
BHL093	Bellingham	0.42247	9/11/18	0.43152	9/19/18	0.42887	0.7072	P
BHL094	Bellingham	0.41822	9/11/18	0.42355	9/19/18	0.42111	0.5422	W
BHL095	Bellingham	0.42814	9/11/18	0.43444	9/19/18	0.43261	0.7095	P
BHL096	Bellingham	0.42813	9/11/18	0.43445	9/19/18	0.43159	0.5475	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
BHL097	Bellingham	0.42778	9/11/18	0.43327	9/19/18	0.43068	0.5282	W
BHL098	Bellingham	0.42068	9/11/18	0.42608	9/19/18	0.42333	0.4907	W
BHL099	Bellingham	0.44364	9/11/18	0.44808	9/19/18	0.44623	0.5833	W
BHL100	Bellingham	0.41804	9/11/18	0.42379	9/19/18	0.42071	0.4643	W
Q0359	Birdsview	0.47156	8/30/20	0.47700	9/7/20	0.47340	0.3382	F
Q0360	Birdsview	0.47340	8/30/20	0.47722	9/7/20	0.47477	0.3586	F
Q0361	Birdsview	0.47265	8/30/20	0.47786	9/7/20	0.47481	0.4146	W
Q0362	Birdsview	0.47553	8/30/20	0.47994	9/7/20	0.47705	0.3447	W
Q0363	Birdsview	0.47497	8/30/20	0.48284	9/7/20	0.48044	0.6950	P
Q0364	Birdsview	0.47320	8/30/20	0.47739	9/7/20	0.47450	0.3103	F
Q0365	Birdsview	0.46991	8/30/20	0.47428	9/7/20	0.47198	0.4737	W
Q0366	Birdsview	0.47237	8/30/20	0.47602	9/7/20	0.47488	0.6877	P
Q0367	Birdsview	0.46581	8/30/20	0.46977	9/7/20	0.46660	0.1995	F
Q0368	Birdsview	0.47544	8/30/20	0.47845	9/7/20	0.47628	0.2791	F
Q0369	Birdsview	0.47589	8/30/20	0.47823	9/7/20	0.47662	0.3120	F
Q0370	Birdsview	0.47669	8/30/20	0.48192	9/7/20	0.47970	0.5755	W
Q0371	Birdsview	0.47302	8/30/20	0.47800	9/7/20	0.47591	0.5803	W
Q0372	Birdsview	0.47049	8/30/20	0.47436	9/7/20	0.47201	0.3928	F
Q0418	Birdsview	0.46624	8/31/20	0.46989	9/8/20	0.46801	0.4849	W
Q0419	Birdsview	0.47170	8/31/20	0.47701	9/8/20	0.47322	0.2863	F
Q0420	Birdsview	0.47307	8/31/20	0.47808	9/8/20	0.47538	0.4611	W
Q0421	Birdsview	0.47564	8/31/20	0.47892	9/8/20	0.47676	0.3415	F
Q0480	Birdsview	0.47544	9/1/20	0.48068	9/9/20	0.47707	0.3111	W
Q0481	Birdsview	0.46817	9/1/20	0.47452	9/9/20	0.47046	0.3606	F
Q0482	Birdsview	0.46843	9/1/20	0.47241	9/9/20	0.47046	0.5101	W
Q0483	Birdsview	0.46848	9/1/20	0.47280	9/9/20	0.47023	0.4051	F
Q0484	Birdsview	0.46815	9/1/20	0.47074	9/9/20	0.46911	0.3707	F
Q0485	Birdsview	0.47260	9/1/20	0.47732	9/9/20	0.47497	0.5021	W
Q0486	Birdsview	0.47049	9/1/20	0.47484	9/9/20	0.47237	0.4322	W
Q0487	Birdsview	0.47107	9/1/20	0.47386	9/9/20	0.47199	0.3297	F
Q0488	Birdsview	0.47649	9/1/20	0.48069	9/9/20	0.47931	0.6714	P
Q0663	Birdsview	0.46576	9/3/20	0.47192	9/11/20	0.46997	0.6834	P
Q0664	Birdsview	0.47456	9/3/20	0.47983	9/11/20	0.47834	0.7173	P
Q0665	Birdsview	0.47806	9/3/20	0.48119	9/11/20	0.48014	0.6645	P
Q0666	Birdsview	0.47260	9/3/20	0.47999	9/11/20	0.47638	0.5115	W
Q0667	Birdsview	0.46819	9/3/20	0.47208	9/11/20	0.47023	0.5244	W
Q0668	Birdsview	0.47162	9/3/20	0.47555	9/11/20	0.47376	0.5445	W
Q0669	Birdsview	0.47523	9/3/20	0.47992	9/11/20	0.47837	0.6695	P
Q0670	Birdsview	0.46750	9/3/20	0.47189	9/11/20	0.47030	0.6378	P
Q0671	Birdsview	0.47540	9/3/20	0.48027	9/11/20	0.47904	0.7474	P
Q0672	Birdsview	0.47297	9/3/20	0.47692	9/11/20	0.47504	0.5241	W
Q0673	Birdsview	0.47269	9/3/20	0.47589	9/11/20	0.47372	0.3219	F
Q0674	Birdsview	0.47241	9/3/20	0.47579	9/11/20	0.47418	0.5237	W
Q0821	Birdsview	0.47811	9/6/20	0.48142	9/14/20	0.47942	0.3958	W
Q0822	Birdsview	0.47813	9/6/20	0.48303	9/14/20	0.48058	0.5000	W
Q0823	Birdsview	0.47774	9/6/20	0.48252	9/14/20	0.48082	0.6444	P
Q0824	Birdsview	0.47375	9/6/20	0.47723	9/14/20	0.47614	0.6868	P
Q0825	Birdsview	0.47347	9/6/20	0.47900	9/14/20	0.47719	0.6727	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q0826	Birdsview	0.47936	9/6/20	0.48244	9/14/20	0.48086	0.4870	W
Q0827	Birdsview	0.47810	9/6/20	0.48074	9/14/20	0.47948	0.5227	W
Q0828	Birdsview	0.48591	9/6/20	0.49173	9/14/20	0.48724	0.2285	F
Q0829	Birdsview	0.47836	9/6/20	0.48198	9/14/20	0.47972	0.3757	F
Q0830	Birdsview	0.47343	9/6/20	0.47779	9/14/20	0.47570	0.5206	W
Q0831	Birdsview	0.47877	9/6/20	0.48394	9/14/20	0.48178	0.5822	P
Q0877	Birdsview	0.47825	9/4/20	0.48262	9/12/20	0.47987	0.3707	F
Q0878	Birdsview	0.48616	9/4/20	0.49156	9/12/20	0.48897	0.5204	W
Q0879	Birdsview	0.48059	9/4/20	0.48521	9/12/20	0.48212	0.3312	F
Q0880	Birdsview	0.47617	9/4/20	0.48111	9/12/20	0.47953	0.6802	P
Q0881	Birdsview	0.47649	9/4/20	0.48169	9/12/20	0.47857	0.4000	W
Q0882	Birdsview	0.47926	9/4/20	0.48435	9/12/20	0.48074	0.2908	F
Q0883	Birdsview	0.47849	9/4/20	0.48408	9/12/20	0.48164	0.5635	W
Q0884	Birdsview	0.47878	9/4/20	0.48349	9/12/20	0.48008	0.2760	F
Q0885	Birdsview	0.48165	9/4/20	0.48431	9/12/20	0.48249	0.3158	F
Q0886	Birdsview	0.47874	9/4/20	0.48345	9/12/20	0.48110	0.5011	W
Q0887	Birdsview	0.47844	9/4/20	0.48386	9/12/20	0.48099	0.4705	W
Q0888	Birdsview	0.47857	9/4/20	0.48275	9/12/20	0.47989	0.3158	F
Q0889	Birdsview	0.47634	9/4/20	0.48094	9/12/20	0.47862	0.4957	W
Q0890	Birdsview	0.47786	9/4/20	0.48200	9/12/20	0.47920	0.3237	W
Q0891	Birdsview	0.47844	9/4/20	0.48112	9/12/20	0.47924	0.2985	F
Q0892	Birdsview	0.47845	9/4/20	0.48140	9/12/20	0.47926	0.2746	F
Q0893	Birdsview	0.47824	9/4/20	0.48402	9/12/20	0.48139	0.5450	W
Q0894	Birdsview	0.47969	9/4/20	0.48266	9/12/20	0.48052	0.2795	F
Q0895	Birdsview	0.48161	9/4/20	0.48505	9/12/20	0.48385	0.6512	P
Q0920	Birdsview	0.48468	9/5/20	0.49186	9/13/20	0.48831	0.5056	W
Q0921	Birdsview	0.47939	9/5/20	0.48442	9/13/20	0.48171	0.4612	W
Q0922	Birdsview	0.47836	9/5/20	0.48599	9/13/20	0.48373	0.7038	P
Q0923	Birdsview	0.47823	9/5/20	0.48298	9/13/20	0.48022	0.4189	W
Q0924	Birdsview	0.47819	9/5/20	0.48308	9/13/20	0.48037	0.4458	W
Q0925	Birdsview	0.47495	9/5/20	0.48067	9/13/20	0.47842	0.6066	W
Q0926	Birdsview	0.48025	9/5/20	0.48550	9/13/20	0.48248	0.4248	W
Q0927	Birdsview	0.47991	9/5/20	0.48342	9/13/20	0.48164	0.4929	W
Q0928	Birdsview	0.47967	9/5/20	0.48465	9/13/20	0.48281	0.6305	P
Q0929	Birdsview	0.48594	9/5/20	0.49031	9/13/20	0.48884	0.6636	P
Q0930	Birdsview	0.47950	9/5/20	0.48353	9/13/20	0.48171	0.5484	W
Q0931	Birdsview	0.47657	9/5/20	0.48018	9/13/20	0.47837	0.4986	W
Q1124	Birdsview	0.47874	9/7/20	0.48093	9/15/20	0.47942	0.3105	F
Q1125	Birdsview	0.48048	9/7/20	0.48668	9/15/20	0.48347	0.4823	W
Q1127	Birdsview	0.47641	9/7/20	0.48086	9/15/20	0.47914	0.6135	P
Q1128	Birdsview	0.47539	9/7/20	0.47999	9/15/20	0.47681	0.3087	F
Q1130	Birdsview	0.47960	9/7/20	0.48448	9/15/20	0.48218	0.5287	W
Q1131	Birdsview	0.47642	9/7/20	0.48126	9/15/20	0.47873	0.4773	W
Q1132	Birdsview	0.47337	9/7/20	0.47603	9/15/20	0.47442	0.3947	W
Q1201	Birdsview	0.48057	9/8/20	0.48480	9/16/20	0.48274	0.5130	W
Q1202	Birdsview	0.47802	9/8/20	0.48137	9/16/20	0.47912	0.3284	F
Q1203	Birdsview	0.47875	9/8/20	0.48121	9/16/20	0.47949	0.3008	F
Q1204	Birdsview	0.47587	9/8/20	0.48133	9/16/20	0.47943	0.6520	P
Q1205	Birdsview	0.48005	9/8/20	0.48391	9/16/20	0.48239	0.6062	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q1206	Birdsview	0.47947	9/8/20	0.48461	9/16/20	0.48171	0.4358	W
Q1207	Birdsview	0.47944	9/8/20	0.48411	9/16/20	0.48161	0.4647	P
Q0120	Blaine	0.47436	8/26/20	0.47964	9/3/20	0.47712	0.5227	W
Q0121	Blaine	0.46958	8/26/20	0.47528	9/3/20	0.47192	0.4105	F
Q0237	Blaine	0.47109	8/28/20	0.47742	9/5/20	0.47422	0.4945	W
Q0238	Blaine	0.47509	8/28/20	0.48062	9/5/20	0.47775	0.4810	W
Q0239	Blaine	0.47544	8/28/20	0.48252	9/5/20	0.47900	0.5028	W
Q0240	Blaine	0.46818	8/28/20	0.47378	9/5/20	0.47116	0.5321	W
Q0264	Blaine	0.47241	8/29/20	0.47645	9/6/20	0.47377	0.3366	F
Q0341	Blaine	0.47122	8/30/20	0.47750	9/7/20	0.47516	0.6274	P
Q0342	Blaine	0.46895	8/30/20	0.47508	9/7/20	0.47328	0.7064	P
Q0343	Blaine	0.47034	8/30/20	0.47324	9/7/20	0.47191	0.5414	W
Q0344	Blaine	0.47006	8/30/20	0.47356	9/7/20	0.47255	0.7114	P
Q0345	Blaine	0.47345	8/30/20	0.47740	9/7/20	0.47615	0.6835	P
Q0346	Blaine	0.47393	8/30/20	0.47500	9/7/20	0.47445	0.4860	F
Q0403	Blaine	0.47154	8/31/20	0.48105	9/8/20	0.47833	0.7140	P
Q0404	Blaine	0.47298	8/31/20	0.47814	9/8/20	0.47521	0.4322	W
Q0468	Blaine	0.47139	9/1/20	0.47866	9/9/20	0.47505	0.5034	W
Q0469	Blaine	0.46574	9/1/20	0.46804	9/9/20	0.46660	0.3739	F
Q0470	Blaine	0.47343	9/1/20	0.47736	9/9/20	0.47549	0.5242	W
Q0471	Blaine	0.47157	9/1/20	0.47637	9/9/20	0.47323	0.3458	F
Q0473	Blaine	0.47302	9/1/20	0.47714	9/9/20	0.47551	0.6044	P
Q0755	Blaine	0.47701	9/3/20	0.48468	9/11/20	0.47991	0.3781	W
Q0756	Blaine	0.47913	9/3/20	0.48262	9/11/20	0.48035	0.3496	F
Q0757	Blaine	0.47436	9/3/20	0.48212	9/11/20	0.47819	0.4936	P
Q0759	Blaine	0.47894	9/3/20	0.48382	9/11/20	0.48126	0.4754	W
Q0797	Blaine	0.47842	9/4/20	0.48491	9/12/20	0.48297	0.7011	P
Q0798	Blaine	0.48132	9/4/20	0.49030	9/12/20	0.48798	0.7416	P
Q0799	Blaine	0.47615	9/4/20	0.48549	9/12/20	0.48343	0.7794	P
Q0800	Blaine	0.47874	9/4/20	0.48518	9/12/20	0.48237	0.5637	W
Q0801	Blaine	0.47653	9/4/20	0.48200	9/12/20	0.47935	0.5155	W
Q0802	Blaine	0.47629	9/4/20	0.48188	9/12/20	0.47975	0.6190	P
Q0803	Blaine	0.47387	9/4/20	0.47736	9/12/20	0.47637	0.7163	P
Q0804	Blaine	0.47894	9/4/20	0.48409	9/12/20	0.48238	0.6680	P
Q0817	Blaine	0.47264	9/6/20	0.47904	9/14/20	0.47576	0.4875	W
Q0818	Blaine	0.48584	9/6/20	0.49126	9/14/20	0.48928	0.6347	P
Q0819	Blaine	0.47440	9/6/20	0.48301	9/14/20	0.48120	0.7898	P
Q0820	Blaine	0.47635	9/6/20	0.48186	9/14/20	0.47959	0.5880	P
Q0975	Blaine	0.47305	9/5/20	0.47763	9/13/20	0.47550	0.5349	W
Q0976	Blaine	0.48555	9/5/20	0.49358	9/13/20	0.48886	0.4122	F
Q0977	Blaine	0.47515	9/5/20	0.47978	9/13/20	0.47731	0.4665	W
Q0978	Blaine	0.47473	9/5/20	0.47961	9/13/20	0.47816	0.7029	P
Q0979	Blaine	0.47889	9/5/20	0.48563	9/13/20	0.48214	0.4822	W
Q0980	Blaine	0.47866	9/5/20	0.48255	9/13/20	0.48132	0.6838	P
Q0981	Blaine	0.47578	9/5/20	0.48228	9/13/20	0.47921	0.5277	W
Q0982	Blaine	0.47922	9/5/20	0.48566	9/13/20	0.48158	0.3665	F
Q0983	Blaine	0.47900	9/5/20	0.48703	9/13/20	0.48471	0.7111	P
Q1197	Blaine	0.47373	9/7/20	0.47507	9/15/20	0.47431	0.4328	F

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q1198	Blaine	0.47923	9/7/20	0.48351	9/15/20	0.48161	0.5561	W
Q1199	Blaine	0.47870	9/7/20	0.48621	9/15/20	0.48397	0.7017	P
Q1200	Blaine	0.47926	9/7/20	0.48634	9/15/20	0.48467	0.7641	P
Q1239	Blaine	0.47627	9/8/20	0.47992	9/16/20	0.47820	0.5288	W
Q1240	Blaine	0.47899	9/8/20	0.48359	9/16/20	0.48187	0.6261	P
Q1241	Blaine	0.48562	9/8/20	0.48968	9/16/20	0.48723	0.3966	F
Q1242	Blaine	0.47975	9/8/20	0.48673	9/16/20	0.48234	0.3711	F
Q1301	Blaine	0.47937	9/9/20	0.48403	9/17/20	0.48124	0.4013	F
Q1302	Blaine	0.47954	9/9/20	0.48487	9/17/20	0.48224	0.5066	W
Q1349	Blaine	0.47883	9/11/20	0.48312	9/19/20	0.48107	0.5221	W
Q1350	Blaine	0.47616	9/11/20	0.48037	9/19/20	0.47824	0.4941	W
Q1351	Blaine	0.47232	9/11/20	0.47563	9/19/20	0.47428	0.5921	F
Q1526	Blaine	0.47405	9/14/20	0.47815	9/22/20	0.47614	0.5098	W
Q1527	Blaine	0.47981	9/14/20	0.48203	9/22/20	0.48096	0.5180	W
Q1620	Blaine	0.47887	9/21/20	0.48231	9/29/20	0.48132	0.7122	P
Q1623	Blaine	0.47357	9/24/20	0.47851	10/2/20	0.47525	0.3401	W
Q1624	Blaine	0.48588	9/24/20	0.49070	10/2/20	0.48902	0.6515	P
Q1625	Blaine	0.47841	9/24/20	0.48407	10/2/20	0.48030	0.3339	F
Q1626	Blaine	0.47709	9/24/20	0.48242	10/2/20	0.47907	0.3715	F
Q1627	Blaine	0.47956	9/25/20	0.48457	10/3/20	0.48169	0.4251	F
Q1628	Blaine	0.48591	9/25/20	0.49084	10/3/20	0.48874	0.5740	W
Q1630	Blaine	0.47319	9/25/20	0.47699	10/3/20	0.47460	0.3711	F
Q1631	Blaine	0.47671	9/25/20	0.48241	10/3/20	0.48073	0.7053	P
Q1632	Blaine	0.47844	9/25/20	0.48452	10/3/20	0.48170	0.5362	P
Q1633	Blaine	0.47930	9/25/20	0.48411	10/3/20	0.48169	0.4969	W
Q1634	Blaine	0.47926	9/25/20	0.48421	10/3/20	0.48097	0.3455	F
Q1635	Blaine	0.47937	9/26/20	0.48532	10/4/20	0.48180	0.4084	F
Q1636	Blaine	0.47641	9/26/20	0.48200	10/4/20	0.47873	0.4150	W
Q1637	Blaine	0.47977	9/26/20	0.48463	10/4/20	0.48182	0.4218	W
Q1638	Blaine	0.48549	9/26/20	0.49034	10/4/20	0.48874	0.6701	P
Q1639	Blaine	0.47901	9/26/20	0.48365	10/4/20	0.48045	0.3103	F
Q1640	Blaine	0.47312	9/26/20	0.47921	10/4/20	0.47535	0.3662	F
Q1641	Blaine	0.47355	9/27/20	0.47936	10/5/20	0.47571	0.3718	F
Q1642	Blaine	0.48546	9/27/20	0.48865	10/5/20	0.48635	0.2790	F
Q1643	Blaine	0.48584	9/27/20	0.49096	10/5/20	0.48780	0.3828	F
Q1644	Blaine	0.47841	9/27/20	0.48422	10/5/20	0.48069	0.3924	F
Q1645	Blaine	0.47883	9/27/20	0.48330	10/5/20	0.48028	0.3244	F
Q1646	Blaine	0.47871	9/27/20	0.48289	10/5/20	0.48072	0.4809	W
Q1647	Blaine	0.47709	9/27/20	0.48162	10/5/20	0.47977	0.5916	F
Q1648	Blaine	0.47386	9/27/20	0.47757	10/5/20	0.47519	0.3585	F
Q1649	Blaine	0.47915	9/27/20	0.48465	10/5/20	0.48146	0.4200	F
Q1651	Blaine	0.47671	9/28/20	0.48112	10/6/20	0.47902	0.5238	F
Q1659	Blaine	0.47919	9/29/20	0.48471	10/7/20	0.48127	0.3768	F
Q1660	Blaine	0.47991	9/29/20	0.48497	10/7/20	0.48269	0.5494	W
Q1661	Blaine	0.47972	9/29/20	0.48823	10/7/20	0.48544	0.6722	P
Q1662	Blaine	0.47930	9/29/20	0.48289	10/7/20	0.48080	0.4178	W
Q1663	Blaine	0.47446	9/29/20	0.47929	10/7/20	0.47618	0.3561	F
Q1664	Blaine	0.47625	9/29/20	0.48066	10/7/20	0.47755	0.2948	F
Q1665	Blaine	0.47775	9/29/20	0.48400	10/7/20	0.48114	0.5424	W

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Q1666	Blaine	0.47868	9/29/20	0.48211	10/7/20	0.47979	0.3236	F
Q0353	Cascade River	0.47550	8/30/20	0.47954	9/7/20	0.47840	0.7178	P
Q0354	Cascade River	0.47379	8/30/20	0.47875	9/7/20	0.47622	0.4899	W
Q0355	Cascade River	0.47051	8/30/20	0.47380	9/7/20	0.47164	0.3435	F
Q0356	Cascade River	0.47128	8/30/20	0.47701	9/7/20	0.47533	0.7068	P
Q0357	Cascade River	0.47245	8/30/20	0.47746	9/7/20	0.47434	0.3772	F
Q0409	Cascade River	0.47187	8/31/20	0.47768	9/8/20	0.47389	0.3477	F
Q0411	Cascade River	0.47238	8/31/20	0.47579	9/8/20	0.47341	0.3021	F
Q0412	Cascade River	0.47222	8/31/20	0.47693	9/8/20	0.47445	0.4735	W
Q0724	Cascade River	0.46856	9/3/20	0.47296	9/11/20	0.47135	0.6341	P
Q0725	Cascade River	0.47540	9/3/20	0.48015	9/11/20	0.47762	0.4674	W
Q0726	Cascade River	0.47212	9/3/20	0.47969	9/11/20	0.47754	0.7160	P
Q0727	Cascade River	0.47412	9/3/20	0.47846	9/11/20	0.47613	0.4631	W
Q0728	Cascade River	0.46857	9/3/20	0.47316	9/11/20	0.47076	0.4771	W
Q0729	Cascade River	0.47413	9/3/20	0.48072	9/11/20	0.47725	0.4734	W
Q0730	Cascade River	0.47397	9/3/20	0.47847	9/11/20	0.47691	0.6533	P
Q0731	Cascade River	0.47529	9/3/20	0.48325	9/11/20	0.48063	0.6709	P
Q0732	Cascade River	0.47163	9/3/20	0.47637	9/11/20	0.47400	0.5000	W
Q0896	Cascade River	0.47479	9/4/20	0.47820	9/12/20	0.47717	0.6979	P
Q0897	Cascade River	0.48149	9/4/20	0.48673	9/12/20	0.48404	0.4866	W
Q0898	Cascade River	0.48578	9/4/20	0.48857	9/12/20	0.48697	0.4265	W
Q0899	Cascade River	0.47558	9/4/20	0.48031	9/12/20	0.47780	0.4693	W
Q0900	Cascade River	0.47936	9/4/20	0.48323	9/12/20	0.48208	0.7028	P
Q0901	Cascade River	0.48009	9/4/20	0.48661	9/12/20	0.48461	0.6933	P
Q0902	Cascade River	0.47957	9/4/20	0.48558	9/12/20	0.48374	0.6938	P
Q0903	Cascade River	0.48555	9/4/20	0.48896	9/12/20	0.48807	0.7390	P
Q0904	Cascade River	0.47610	9/4/20	0.48166	9/12/20	0.47995	0.6924	P
Q0905	Cascade River	0.48023	9/4/20	0.48714	9/12/20	0.48505	0.6975	P
Q0906	Cascade River	0.47759	9/4/20	0.48461	9/12/20	0.48112	0.5028	W
Q0907	Cascade River	0.47641	9/4/20	0.48310	9/12/20	0.48105	0.6936	P
Q0908	Cascade River	0.47936	9/4/20	0.48162	9/12/20	0.48003	0.2965	F
Q0909	Cascade River	0.47800	9/4/20	0.48066	9/12/20	0.47921	0.4549	W
Q0910	Cascade River	0.47726	9/4/20	0.48171	9/12/20	0.47923	0.4427	W
Q0911	Cascade River	0.47825	9/4/20	0.48247	9/12/20	0.47985	0.3791	F
Q0912	Cascade River	0.47703	9/4/20	0.48232	9/12/20	0.47966	0.4972	W
Q0913	Cascade River	0.47534	9/4/20	0.47877	9/12/20	0.47647	0.3294	F
Q0914	Cascade River	0.47854	9/4/20	0.48443	9/12/20	0.48171	0.5382	W
Q0915	Cascade River	0.47853	9/4/20	0.48336	9/12/20	0.48178	0.6729	P
Q0916	Cascade River	0.47928	9/4/20	0.48357	9/12/20	0.48087	0.3706	W
Q0917	Cascade River	0.47948	9/4/20	0.48219	9/12/20	0.48079	0.4834	W
Q0955	Cascade River	0.47892	9/5/20	0.48511	9/13/20	0.48387	0.7997	P
Q0956	Cascade River	0.47270	9/5/20	0.47814	9/13/20	0.47460	0.3493	F
Q0957	Cascade River	0.47550	9/5/20	0.48301	9/13/20	0.48011	0.6138	P
Q0958	Cascade River	0.47674	9/5/20	0.48209	9/13/20	0.47945	0.5065	W
Q0959	Cascade River	0.48532	9/5/20	0.49288	9/13/20	0.49064	0.7037	P
Q0960	Cascade River	0.47856	9/5/20	0.48559	9/13/20	0.48388	0.7568	P
Q0961	Cascade River	0.47249	9/5/20	0.48101	9/13/20	0.47833	0.6854	P
Q0962	Cascade River	0.47688	9/5/20	0.48110	9/13/20	0.47988	0.7109	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q0963	Cascade River	0.47601	9/5/20	0.48031	9/13/20	0.47845	0.5674	W
Q0964	Cascade River	0.47921	9/5/20	0.48594	9/13/20	0.48186	0.3938	W
Q0965	Cascade River	0.48031	9/5/20	0.48551	9/13/20	0.48345	0.6038	W
Q0967	Cascade River	0.47969	9/5/20	0.48197	9/13/20	0.48092	0.5395	W
Q0968	Cascade River	0.48476	9/5/20	0.48751	9/13/20	0.48658	0.6618	P
Q0969	Cascade River	0.47856	9/5/20	0.48224	9/13/20	0.48020	0.4457	W
Q1056	Cascade River	0.47850	9/6/20	0.48603	9/14/20	0.48346	0.6587	P
Q1057	Cascade River	0.47822	9/6/20	0.48447	9/14/20	0.48294	0.7552	P
Q1058	Cascade River	0.48020	9/6/20	0.48491	9/14/20	0.48325	0.6476	P
Q1060	Cascade River	0.47828	9/6/20	0.48347	9/14/20	0.48174	0.6667	P
Q1061	Cascade River	0.48499	9/6/20	0.48818	9/14/20	0.48640	0.4420	W
Q1062	Cascade River	0.47479	9/6/20	0.48023	9/14/20	0.47744	0.4871	W
Q1063	Cascade River	0.48137	9/6/20	0.48641	9/14/20	0.48387	0.4960	W
Q1064	Cascade River	0.47366	9/6/20	0.47858	9/14/20	0.47704	0.6870	P
Q1065	Cascade River	0.47672	9/6/20	0.48234	9/14/20	0.48059	0.6886	P
Q1066	Cascade River	0.48006	9/6/20	0.48359	9/14/20	0.48184	0.5042	W
Q1067	Cascade River	0.48018	9/6/20	0.48427	9/14/20	0.48290	0.6650	W
Q1068	Cascade River	0.47814	9/6/20	0.48227	9/14/20	0.48025	0.5109	P
Q1069	Cascade River	0.47911	9/6/20	0.48475	9/14/20	0.48209	0.5284	W
Q1070	Cascade River	0.47943	9/6/20	0.48486	9/14/20	0.48326	0.7053	P
Q1071	Cascade River	0.47444	9/6/20	0.48055	9/14/20	0.47758	0.5139	P
Q1208	Cascade River	0.47702	9/8/20	0.48007	9/16/20	0.47797	0.3115	F
Q1209	Cascade River	0.48298	9/8/20	0.49166	9/16/20	0.48624	0.3756	F
Q1210	Cascade River	0.47871	9/8/20	0.48465	9/16/20	0.48115	0.4108	W
Q1212	Cascade River	0.47975	9/8/20	0.48770	9/16/20	0.48488	0.6453	P
Q1213	Cascade River	0.47912	9/8/20	0.48457	9/16/20	0.48154	0.4440	W
Q1214	Cascade River	0.48533	9/8/20	0.49281	9/16/20	0.49005	0.6310	P
Q1215	Cascade River	0.47946	9/8/20	0.48295	9/16/20	0.48107	0.4613	W
Q1216	Cascade River	0.47630	9/8/20	0.48014	9/16/20	0.47784	0.4010	F
Q1217	Cascade River	0.47831	9/8/20	0.48318	9/16/20	0.48006	0.3593	F
Q1218	Cascade River	0.47476	9/8/20	0.47887	9/16/20	0.47623	0.3577	F
Q1219	Cascade River	0.48188	9/8/20	0.48644	9/16/20	0.48379	0.4189	F
Q1220	Cascade River	0.48003	9/8/20	0.48467	9/16/20	0.48153	0.3233	F
Q1221	Cascade River	0.47554	9/8/20	0.47687	9/16/20	0.47589	0.2632	F
Q1222	Cascade River	0.48054	9/8/20	0.48519	9/16/20	0.48280	0.4860	W
Q1223	Cascade River	0.47873	9/8/20	0.48517	9/16/20	0.48209	0.5217	W
Q1224	Cascade River	0.47617	9/8/20	0.47999	9/16/20	0.47748	0.3429	F
Q1225	Cascade River	0.47943	9/8/20	0.48455	9/16/20	0.48124	0.3535	F
Q1226	Cascade River	0.47948	9/8/20	0.48552	9/16/20	0.48179	0.3825	F
Q1227	Cascade River	0.47547	9/8/20	0.47960	9/16/20	0.47713	0.4019	F
Q1228	Cascade River	0.47881	9/8/20	0.48380	9/16/20	0.48097	0.4329	W
Q1229	Cascade River	0.47656	9/8/20	0.48056	9/16/20	0.47792	0.3400	F
Q1341	Cascade River	0.47959	9/11/20	0.48815	9/19/20	0.48564	0.7068	P
Q1342	Cascade River	0.47870	9/11/20	0.48584	9/19/20	0.48410	0.7563	P
Q1343	Cascade River	0.47993	9/11/20	0.48425	9/19/20	0.48243	0.5787	P
Q1344	Cascade River	0.47256	9/11/20	0.47783	9/19/20	0.47519	0.4991	W
Q1345	Cascade River	0.47790	9/11/20	0.48165	9/19/20	0.48025	0.6267	P
Q1346	Cascade River	0.47596	9/11/20	0.48004	9/19/20	0.47852	0.6275	P
Q1347	Cascade River	0.48087	9/11/20	0.48620	9/19/20	0.48464	0.7073	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q1348	Cascade River	0.48587	9/11/20	0.48951	9/19/20	0.48719	0.3626	F
Q0737	Chehalis	0.47545	9/3/20	0.48064	9/11/20	0.47787	0.4663	W
Q0738	Chehalis	0.47319	9/3/20	0.47685	9/11/20	0.47506	0.5109	W
Q0739	Chehalis	0.47145	9/3/20	0.47461	9/11/20	0.47283	0.4367	F
Q0740	Chehalis	0.47249	9/3/20	0.47643	9/11/20	0.47377	0.3249	F
Q0741	Chehalis	0.46878	9/3/20	0.47302	9/11/20	0.47102	0.5283	W
Q0742	Chehalis	0.47027	9/3/20	0.47351	9/11/20	0.47169	0.4383	F
Q0743	Chehalis	0.46864	9/3/20	0.47289	9/11/20	0.47022	0.3718	F
Q0744	Chehalis	0.46819	9/3/20	0.47165	9/11/20	0.47004	0.5347	W
Q0745	Chehalis	0.47334	9/3/20	0.47609	9/11/20	0.47459	0.4545	W
Q0746	Chehalis	0.47187	9/3/20	0.47570	9/11/20	0.47384	0.5144	W
Q0748	Chehalis	0.47568	9/3/20	0.48005	9/11/20	0.47797	0.5240	W
Q0782	Chehalis	0.47848	9/4/20	0.48328	9/12/20	0.48081	0.4854	W
Q0783	Chehalis	0.47481	9/4/20	0.47879	9/12/20	0.47682	0.5050	W
Q0784	Chehalis	0.47588	9/4/20	0.47936	9/12/20	0.47776	0.5402	W
Q0785	Chehalis	0.47851	9/4/20	0.48261	9/12/20	0.48072	0.5390	W
Q0786	Chehalis	0.47933	9/4/20	0.48832	9/12/20	0.48066	0.1479	F
Q0787	Chehalis	0.47645	9/4/20	0.48049	9/12/20	0.47858	0.5272	W
Q0918	Chehalis	0.47912	9/4/20	0.48326	9/12/20	0.48134	0.5362	W
Q0919	Chehalis	0.48031	9/4/20	0.48489	9/12/20	0.48278	0.5393	W
Q0984	Chehalis	0.47385	9/5/20	0.47865	9/13/20	0.47642	0.5354	W
Q0985	Chehalis	0.47821	9/5/20	0.48369	9/13/20	0.48115	0.5365	W
Q0986	Chehalis	0.47791	9/5/20	0.48618	9/13/20	0.48271	0.5804	W
Q0987	Chehalis	0.47870	9/5/20	0.48412	9/13/20	0.48272	0.7417	P
Q0988	Chehalis	0.47529	9/5/20	0.47926	9/13/20	0.47786	0.6474	P
Q0989	Chehalis	0.47986	9/5/20	0.48383	9/13/20	0.48271	0.7179	W
Q0990	Chehalis	0.48123	9/5/20	0.48504	9/13/20	0.48308	0.4856	W
Q0991	Chehalis	0.48547	9/5/20	0.48814	9/13/20	0.48634	0.3258	F
Q0992	Chehalis	0.47809	9/5/20	0.48204	9/13/20	0.48011	0.5114	W
Q0993	Chehalis	0.47993	9/5/20	0.48206	9/13/20	0.48062	0.3239	F
Q0994	Chehalis	0.48573	9/5/20	0.48935	9/13/20	0.48788	0.5939	W
Q0995	Chehalis	0.47888	9/5/20	0.48263	9/13/20	0.48106	0.5813	W
Q1180	Chehalis	0.47258	9/7/20	0.47753	9/15/20	0.47449	0.3859	F
Q1181	Chehalis	0.47816	9/7/20	0.48256	9/15/20	0.48047	0.5250	W
Q1182	Chehalis	0.47528	9/7/20	0.48060	9/15/20	0.47808	0.5263	W
Q1183	Chehalis	0.48491	9/7/20	0.48925	9/15/20	0.48745	0.5853	W
Q1184	Chehalis	0.47486	9/7/20	0.47821	9/15/20	0.47667	0.5403	W
Q1185	Chehalis	0.47567	9/7/20	0.48207	9/15/20	0.48052	0.7578	P
Q1186	Chehalis	0.47945	9/7/20	0.48689	9/15/20	0.48496	0.7406	P
Q1187	Chehalis	0.48065	9/7/20	0.48645	9/15/20	0.48507	0.7621	P
Q1230	Chehalis	0.47818	9/8/20	0.48118	9/16/20	0.47919	0.3367	F
Q1231	Chehalis	0.47692	9/8/20	0.48105	9/16/20	0.47884	0.4649	W
Q1232	Chehalis	0.48143	9/8/20	0.48702	9/16/20	0.48355	0.3792	F
Q1233	Chehalis	0.47531	9/8/20	0.47796	9/16/20	0.47634	0.3887	F
Q1234	Chehalis	0.47982	9/8/20	0.48366	9/16/20	0.48174	0.5000	W
Q1261	Chehalis	0.47632	9/8/20	0.48010	9/16/20	0.47825	0.5106	W
Q1262	Chehalis	0.47933	9/8/20	0.48404	9/16/20	0.48183	0.5308	W
Q1263	Chehalis	0.47714	9/8/20	0.48120	9/16/20	0.47942	0.5616	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q1264	Chehalis	0.47839	9/8/20	0.48321	9/16/20	0.48060	0.4585	F
Q1265	Chehalis	0.47837	9/8/20	0.48288	9/16/20	0.48045	0.4612	W
Q1266	Chehalis	0.48574	9/8/20	0.49008	9/16/20	0.48722	0.3410	F
Q1267	Chehalis	0.47397	9/8/20	0.47785	9/16/20	0.47545	0.3814	F
Q1268	Chehalis	0.48048	9/8/20	0.48485	9/16/20	0.48365	0.7254	F
Q1269	Chehalis	0.47865	9/8/20	0.48303	9/16/20	0.48102	0.5411	W
Q1270	Chehalis	0.47672	9/8/20	0.48225	9/16/20	0.47990	0.5750	F
Q1271	Chehalis	0.48668	9/8/20	0.49296	9/16/20	0.49128	0.7325	P
Q1272	Chehalis	0.47357	9/8/20	0.47712	9/16/20	0.47512	0.4366	F
Q1273	Chehalis	0.47923	9/8/20	0.48423	9/16/20	0.48101	0.3560	W
Q1274	Chehalis	0.47891	9/8/20	0.48402	9/16/20	0.48174	0.5538	W
Q1275	Chehalis	0.47864	9/8/20	0.48305	9/16/20	0.48015	0.3424	F
Q1276	Chehalis	0.47907	9/8/20	0.48361	9/16/20	0.48078	0.3767	F
Q1277	Chehalis	0.47686	9/8/20	0.48173	9/16/20	0.47864	0.3655	W
Q1303	Chehalis	0.47903	9/9/20	0.48461	9/17/20	0.48140	0.4247	F
Q1304	Chehalis	0.47988	9/9/20	0.48414	9/17/20	0.48228	0.5634	W
Q1305	Chehalis	0.47629	9/9/20	0.48041	9/17/20	0.47906	0.6723	P
Q1306	Chehalis	0.47948	9/9/20	0.48456	9/17/20	0.48283	0.6594	P
Q1307	Chehalis	0.47290	9/9/20	0.47815	9/17/20	0.47554	0.5029	P
Q1308	Chehalis	0.47896	9/9/20	0.48308	9/17/20	0.48116	0.5340	W
Q1309	Chehalis	0.47355	9/9/20	0.47953	9/17/20	0.47655	0.5017	W
Q1310	Chehalis	0.47390	9/9/20	0.47856	9/17/20	0.47665	0.5901	W
Q1311	Chehalis	0.47897	9/9/20	0.48401	9/17/20	0.48089	0.3810	F
Q1312	Chehalis	0.48021	9/9/20	0.48552	9/17/20	0.48304	0.5330	W
Q1313	Chehalis	0.47641	9/9/20	0.48114	9/17/20	0.47890	0.5264	W
Q1314	Chehalis	0.47902	9/9/20	0.48600	9/17/20	0.48399	0.7120	P
Q1315	Chehalis	0.48570	9/9/20	0.48966	9/17/20	0.48750	0.4545	W
Q1316	Chehalis	0.48119	9/9/20	0.48690	9/17/20	0.48548	0.7513	P
Q1317	Chehalis	0.47855	9/9/20	0.48352	9/17/20	0.48233	0.7606	P
Q1318	Chehalis	0.48109	9/9/20	0.48561	9/17/20	0.48355	0.5442	W
Q1319	Chehalis	0.47897	9/9/20	0.48355	9/17/20	0.48142	0.5349	W
Q1320	Chehalis	0.47955	9/9/20	0.48374	9/17/20	0.48115	0.3819	F
Q1321	Chehalis	0.48574	9/9/20	0.49082	9/17/20	0.48867	0.5768	W
Q1322	Chehalis	0.47352	9/9/20	0.47626	9/17/20	0.47454	0.3723	F
Q1323	Chehalis	0.47910	9/9/20	0.48468	9/17/20	0.48108	0.3548	F
Q1352	Chehalis	0.47297	9/11/20	0.47666	9/19/20	0.47553	0.6938	P
Q1353	Chehalis	0.47843	9/11/20	0.48185	9/19/20	0.48086	0.7105	P
Q1354	Chehalis	0.48497	9/11/20	0.48846	9/19/20	0.48686	0.5415	W
Q1355	Chehalis	0.48251	9/11/20	0.48676	9/19/20	0.48400	0.3506	F
Q1356	Chehalis	0.47886	9/11/20	0.48468	9/19/20	0.48316	0.7388	P
Q1357	Chehalis	0.47811	9/11/20	0.48288	9/19/20	0.48138	0.6855	P
Q1358	Chehalis	0.48500	9/11/20	0.49163	9/19/20	0.48993	0.7436	P
Q1359	Chehalis	0.47941	9/11/20	0.48299	9/19/20	0.48121	0.5028	W
Q1360	Chehalis	0.47724	9/11/20	0.48317	9/19/20	0.48065	0.5750	P
Q1361	Chehalis	0.47751	9/11/20	0.48148	9/19/20	0.47946	0.4912	W
Q1362	Chehalis	0.47639	9/11/20	0.48017	9/19/20	0.47830	0.5053	W
Q1363	Chehalis	0.47764	9/11/20	0.48270	9/19/20	0.48057	0.5791	W
Q1364	Chehalis	0.47932	9/11/20	0.48577	9/19/20	0.48426	0.7659	P
Q1365	Chehalis	0.47861	9/11/20	0.48199	9/19/20	0.48011	0.4438	F

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Q1366	Chehalis	0.48541	9/11/20	0.49019	9/19/20	0.48749	0.4351	F
Q1367	Chehalis	0.47889	9/11/20	0.48199	9/19/20	0.48049	0.5161	W
Q1368	Chehalis	0.47835	9/11/20	0.48269	9/19/20	0.48025	0.4378	F
Q1461	Chehalis	0.47873	9/12/20	0.48390	9/20/20	0.48147	0.5300	W
Q1462	Chehalis	0.48001	9/12/20	0.48540	9/20/20	0.48331	0.6122	W
Q1463	Chehalis	0.47844	9/12/20	0.48414	9/20/20	0.48097	0.4439	F
Q1464	Chehalis	0.47788	9/12/20	0.48615	9/20/20	0.48078	0.3507	F
Q1465	Chehalis	0.47634	9/12/20	0.48021	9/20/20	0.47767	0.3437	F
Q1466	Chehalis	0.47364	9/12/20	0.47857	9/20/20	0.47628	0.5355	W
Q1467	Chehalis	0.48516	9/12/20	0.48914	9/20/20	0.48706	0.4774	W
Q1468	Chehalis	0.47834	9/12/20	0.48317	9/20/20	0.48094	0.5383	W
Q1469	Chehalis	0.47880	9/12/20	0.48321	9/20/20	0.48112	0.5261	W
Q1470	Chehalis	0.47878	9/12/20	0.48300	9/20/20	0.48098	0.5213	W
Q1471	Chehalis	0.47908	9/12/20	0.48534	9/20/20	0.48350	0.7061	P
Q1472	Chehalis	0.47986	9/12/20	0.48382	9/20/20	0.48194	0.5253	W
Q1473	Chehalis	0.48048	9/12/20	0.48382	9/20/20	0.48280	0.6946	P
Q1474	Chehalis	0.47551	9/12/20	0.47906	9/20/20	0.47811	0.7324	P
Q1475	Chehalis	0.47955	9/12/20	0.48557	9/20/20	0.48285	0.5482	W
Q1476	Chehalis	0.47389	9/12/20	0.47724	9/20/20	0.47593	0.6090	W
Q1477	Chehalis	0.47989	9/12/20	0.48390	9/20/20	0.48287	0.7431	P
Q1478	Chehalis	0.48556	9/12/20	0.48797	9/20/20	0.48694	0.5726	W
Q1479	Chehalis	0.47885	9/12/20	0.48659	9/20/20	0.48446	0.7248	P
Q1480	Chehalis	0.48153	9/12/20	0.48584	9/20/20	0.48373	0.5104	W
Q1481	Chehalis	0.47860	9/12/20	0.48266	9/20/20	0.48082	0.5468	W
F1	Cle Elum 2015	0.42392	9/7/15	0.43017	9/15/15	0.42897	0.8080	P
F10	Cle Elum 2015	0.42884	9/9/15	0.43190	9/17/15	0.43003	0.3889	
F100	Cle Elum 2015	0.42436	9/18/15	0.42950	9/26/15	0.42699	0.5117	
F11	Cle Elum 2015	0.42148	9/9/15	0.42651	9/17/15	0.42467	0.6342	W
F12	Cle Elum 2015	0.41851	9/10/15	0.42492	9/18/15	0.42278	0.6661	W
F13	Cle Elum 2015	0.42286	9/10/15	0.42996	9/18/15	0.42828	0.7634	P
F14	Cle Elum 2015	0.42211	9/10/15	0.42772	9/18/15	0.42563	0.6275	W
F15	Cle Elum 2015	0.42648	9/10/15	0.43522	9/18/15	0.43329	0.7792	P
F16	Cle Elum 2015	0.41907	9/10/15	0.42479	9/18/15	0.42312	0.7080	W
F17	Cle Elum 2015	0.42130	9/10/15	0.42555	9/18/15	0.42402	0.6400	F
F18	Cle Elum 2015	0.41974	9/10/15	0.42196	9/18/15	0.42066	0.4144	F
F19	Cle Elum 2015	0.41871	9/10/15	0.42300	9/18/15	0.42115	0.5688	W
F2	Cle Elum 2015	0.42769	9/7/15	0.43206	9/15/15	0.42936	0.3822	F
F20	Cle Elum 2015	0.42811	9/10/15	0.43393	9/18/15	0.43279	0.8041	W
F21	Cle Elum 2015	0.42049	9/10/15	0.42596	9/18/15	0.42370	0.5868	
F22	Cle Elum 2015	0.42275	9/11/15	0.42925	9/19/15	0.42623	0.5354	W
F23	Cle Elum 2015	0.41916	9/11/15	0.42377	9/19/15	0.42265	0.7570	P
F24	Cle Elum 2015	0.42308	9/11/15	0.42877	9/19/15	0.42645	0.5923	W
F25	Cle Elum 2015	0.42627	9/11/15	0.43029	9/19/15	0.42956	0.8184	P
F26	Cle Elum 2015	0.41925	9/11/15	0.42347	9/19/15	0.42179	0.6019	P
F27	Cle Elum 2015	0.42316	9/11/15	0.42858	9/19/15	0.42667	0.6476	W
F28	Cle Elum 2015	0.42007	9/11/15	0.42395	9/19/15	0.42237	0.5928	W
F29	Cle Elum 2015	0.42308	9/11/15	0.42967	9/19/15	0.42828	0.7891	P
F3	Cle Elum 2015	0.42615	9/7/15	0.43199	9/19/15	0.42987	0.6370	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
F30	Cle Elum 2015	0.41933	9/11/15	0.42520	9/19/15	0.42321	0.6610	W
F31	Cle Elum 2015	0.41834	9/11/15	0.42216	9/19/15	0.41996	0.4241	
F32	Cle Elum 2015	0.42079	9/12/15	0.42933	9/20/15	0.42740	0.7740	P
F33	Cle Elum 2015	0.42616	9/12/15	0.43073	9/20/15	0.42905	0.6324	W
F34	Cle Elum 2015	0.42837	9/12/15	0.43315	9/20/15	0.43106	0.5628	W
F35	Cle Elum 2015	0.42095	9/12/15	0.42973	9/20/15	0.42765	0.7631	P
F36	Cle Elum 2015	0.42432	9/12/15	0.42940	9/20/15	0.42726	0.5787	W
F37	Cle Elum 2015	0.42638	9/12/15	0.43268	9/20/15	0.43114	0.7556	P
F38	Cle Elum 2015	0.42050	9/12/15	0.42442	9/20/15	0.42217	0.4260	
F39	Cle Elum 2015	0.42311	9/12/15	0.42881	9/20/15	0.42563	0.4421	
F4	Cle Elum 2015	0.41834	9/9/15	0.42389	9/17/15	0.42143	0.5568	
F40	Cle Elum 2015	0.41906	9/12/15	0.42523	9/20/15	0.42380	0.7682	
F41	Cle Elum 2015	0.42427	9/12/15	0.42940	9/20/15	0.42757	0.6433	W
F42	Cle Elum 2015	0.42408	9/12/15	0.43078	9/20/15	0.42936	0.7881	P
F43	Cle Elum 2015	0.41849	9/12/15	0.42516	9/20/15	0.42357	0.7616	P
F44	Cle Elum 2015	0.42678	9/15/15	0.43244	9/23/15	0.42997	0.5636	
F45	Cle Elum 2015	0.42305	9/15/15	0.43041	9/23/15	0.42558	0.3438	
F46	Cle Elum 2015	0.41941	9/15/15	0.42450	9/23/15	0.42307	0.7191	P
F47	Cle Elum 2015	0.41904	9/15/15	0.42610	9/23/15	0.42436	0.7535	P
F48	Cle Elum 2015	0.42123	9/15/15	0.42639	9/23/15	0.42485	0.7016	P
F49	Cle Elum 2015	0.42047	9/15/15	0.42648	9/23/15	0.42244	0.3278	
F5	Cle Elum 2015	0.41886	9/9/15	0.42384	9/17/15	0.42308	0.8474	P
F50	Cle Elum 2015	0.42287	9/15/15	0.42845	9/23/15	0.42483	0.3513	
F51	Cle Elum 2015	0.42446	9/15/15	0.43031	9/23/15	0.42831	0.6581	P
F52	Cle Elum 2015	0.41826	9/15/15	0.42311	9/23/15	0.42092	0.5485	
F53	Cle Elum 2015	0.42787	9/15/15	0.43382	9/23/15	0.43262	0.7983	
F54	Cle Elum 2015	0.42423	9/15/15	0.43094	9/23/15	0.42916	0.7347	P
F55	Cle Elum 2015	0.42293	9/15/15	0.42821	9/23/15	0.42593	0.5682	
F56	Cle Elum 2015	0.42816	9/15/15	0.43323	9/23/15	0.43192	0.7416	P
F57	Cle Elum 2015	0.42114	9/16/15	0.42689	9/24/15	0.42471	0.6209	F
F58	Cle Elum 2015	0.41851	9/16/15	0.42196	9/24/15	0.42087	0.6841	P
F59	Cle Elum 2015	0.41946	9/16/15	0.42655	9/24/15	0.42436	0.6911	P
F6	Cle Elum 2015	0.42089	9/9/15	0.42787	9/17/15	0.42640	0.7894	W
F60	Cle Elum 2015	0.42297	9/16/15	0.42815	9/24/15	0.42571	0.5290	W
F61	Cle Elum 2015	0.42827	9/16/15	0.43360	9/24/15	0.43144	0.5947	
F62	Cle Elum 2015	0.42292	9/16/15	0.42840	9/24/15	0.42614	0.5876	
F63	Cle Elum 2015	0.42411	9/16/15	0.42979	9/24/15	0.42955	0.9577	P
F64	Cle Elum 2015	0.41925	9/16/15	0.42377	9/24/15	0.42113	0.4159	F
F65	Cle Elum 2015	0.42058	9/16/15	0.42663	9/24/15	0.42361	0.5008	W
F66	Cle Elum 2015	0.41945	9/16/15	0.42364	9/24/15	0.42162	0.5179	P
F67	Cle Elum 2015	0.42247	9/16/15	0.42802	9/24/15	0.42510	0.4739	W
F68	Cle Elum 2015	0.42294	9/16/15	0.42996	9/24/15	0.42809	0.7336	P
F69	Cle Elum 2015	0.42408	9/16/15	0.43049	9/24/15	0.42893	0.7566	P
F7	Cle Elum 2015	0.42752	9/9/15	0.43334	9/17/15	0.43102	0.6014	W
F70	Cle Elum 2015	0.42761	9/16/15	0.43250	9/24/15	0.42942	0.3701	F
F71	Cle Elum 2015	0.42320	9/16/15	0.43036	9/24/15	0.42809	0.6830	P
F72	Cle Elum 2015	0.42434	9/16/15	0.43003	9/24/15	0.42883	0.7891	P
F73	Cle Elum 2015	0.42636	9/17/15	0.43172	9/25/15	0.42938	0.5634	W
F74	Cle Elum 2015	0.42763	9/17/15	0.43417	9/25/15	0.43261	0.7615	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
F75	Cle Elum 2015	0.42637	9/17/15	0.43253	9/25/15	0.43093	0.7403	F
F76	Cle Elum 2015	0.42486	9/17/15	0.42918	9/25/15	0.42814	0.7593	P
F77	Cle Elum 2015	0.42054	9/17/15	0.42681	9/25/15	0.42528	0.7560	P
F78	Cle Elum 2015	0.42391	9/17/15	0.43075	9/25/15	0.42883	0.7193	P
F79	Cle Elum 2015	0.42634	9/17/15	0.43065	9/25/15	0.42965	0.7680	P
F8	Cle Elum 2015	0.41910	9/9/15	0.42556	9/17/15	0.42319	0.6331	W
F80	Cle Elum 2015	0.42459	9/17/15	0.43073	9/25/15	0.42891	0.7036	P
F81	Cle Elum 2015	0.42429	9/17/15	0.42955	9/25/15	0.42736	0.5837	P
F82	Cle Elum 2015	0.42438	9/17/15	0.43144	9/25/15	0.42943	0.7153	P
F83	Cle Elum 2015	0.42424	9/17/15	0.43102	9/25/15	0.42926	0.7404	P
F84	Cle Elum 2015	0.42485	9/17/15	0.42798	9/25/15	0.42716	0.7380	W
F85	Cle Elum 2015	0.41900	9/17/15	0.42471	9/25/15	0.42312	0.7215	F
F86	Cle Elum 2015	0.42327	9/17/15	0.42835	9/25/15	0.42675	0.6850	F
F87	Cle Elum 2015	0.42078	9/17/15	0.42700	9/25/15	0.42516	0.7042	P
F88	Cle Elum 2015	0.42701	9/17/15	0.43207	9/25/15	0.42987	0.5652	W
F89	Cle Elum 2015	0.42639	9/18/15	0.43089	9/26/15	0.42913	0.6089	
F9	Cle Elum 2015	0.42277	9/9/15	0.42866	9/17/15	0.42743	0.7912	P
F90	Cle Elum 2015	0.42444	9/18/15	0.42857	9/26/15	0.42762	0.7700	
F91	Cle Elum 2015	0.42447	9/18/15	0.42934	9/26/15	0.42727	0.5749	
F92	Cle Elum 2015	0.41915	9/18/15	0.42164	9/26/15	0.42054	0.5582	
F93	Cle Elum 2015	0.42660	9/18/15	0.43212	9/26/15	0.43016	0.6449	
F94	Cle Elum 2015	0.41827	9/18/15	0.42514	9/26/15	0.42341	0.7482	P
F95	Cle Elum 2015	0.42408	9/18/15	0.42797	9/26/15	0.42702	0.7558	P
F96	Cle Elum 2015	0.42455	9/18/15	0.43021	9/26/15	0.42638	0.3233	F
F98	Cle Elum 2015	0.41926	9/18/15	0.42442	9/26/15	0.42289	0.7035	P
F99	Cle Elum 2015	0.42621	9/18/15	0.43115	9/26/15	0.42888	0.5405	W
Y187	Cle Elum 2019.1	0.42232	9/8/19	0.42719	9/16/19	0.42444	0.4353	F
Y188	Cle Elum 2019.1	0.42322	9/8/19	0.42819	9/16/19	0.42623	0.6056	W
Y189	Cle Elum 2019.1	0.42733	9/8/19	0.43094	9/16/19	0.42947	0.5928	W
Y190	Cle Elum 2019.1	0.46882	9/8/19	0.47383	9/16/19	0.47164	0.5629	W
Y191	Cle Elum 2019.1	0.45645	9/8/19	0.46087	9/16/19	0.45896	0.5679	W
Y192	Cle Elum 2019.1	0.42854	9/8/19	0.43661	9/16/19	0.43427	0.7100	P
Y193	Cle Elum 2019.1	0.42344	9/8/19	0.42736	9/16/19	0.42523	0.4566	W
Y194	Cle Elum 2019.1	0.44494	9/8/19	0.45234	9/16/19	0.44964	0.6351	P
Y211	Cle Elum 2019.1	0.41909	9/9/19	0.42543	9/17/19	0.42271	0.5710	W
Y212	Cle Elum 2019.1	0.42217	9/9/19	0.42745	9/17/19	0.42534	0.6004	
Y213	Cle Elum 2019.1	0.42265	9/9/19	0.42782	9/17/19	0.42548	0.5474	W
Y214	Cle Elum 2019.1	0.41917	9/9/19	0.42487	9/17/19	0.42264	0.6088	W
Y260	Cle Elum 2019.1	0.41984	9/10/19	0.42603	9/18/19	0.42488	0.8142	P
Y261	Cle Elum 2019.1	0.42210	9/10/19	0.42720	9/18/19	0.42421	0.4137	F
Y262	Cle Elum 2019.1	0.42167	9/10/19	0.42702	9/18/19	0.42457	0.5421	W
Y263	Cle Elum 2019.1	0.42181	9/10/19	0.42663	9/18/19	0.42380	0.4129	F
Y264	Cle Elum 2019.1	0.46849	9/10/19	0.47372	9/18/19	0.47220	0.7094	P
Y265	Cle Elum 2019.1	0.42301	9/10/19	0.42651	9/18/19	0.42449	0.4229	F
Y266	Cle Elum 2019.1	0.42143	9/10/19	0.42800	9/18/19	0.42530	0.5890	W
Y267	Cle Elum 2019.1	0.42156	9/10/19	0.42698	9/18/19	0.42461	0.5627	W
Y431	Cle Elum 2019.1	0.42339	9/12/19	0.42876	9/20/19	0.42640	0.5605	W
Y432	Cle Elum 2019.1	0.42348	9/12/19	0.42779	9/20/19	0.42578	0.5336	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Y433	Cle Elum 2019.1	0.41927	9/12/19	0.42564	9/20/19	0.42431	0.7912	P
Y434	Cle Elum 2019.1	0.46891	9/12/19	0.47433	9/20/19	0.47095	0.3764	
Y435	Cle Elum 2019.1	0.42188	9/12/19	0.42582	9/20/19	0.42408	0.5584	W
Y436	Cle Elum 2019.1	0.42658	9/12/19	0.43201	9/20/19	0.42972	0.5783	W
Y437	Cle Elum 2019.1	0.44465	9/12/19	0.44949	9/20/19	0.44714	0.5145	W
Y438	Cle Elum 2019.1	0.42881	9/12/19	0.43302	9/20/19	0.43118	0.5629	W
Y439	Cle Elum 2019.1	0.42150	9/12/19	0.42812	9/20/19	0.42602	0.6828	W
Y440	Cle Elum 2019.1	0.41984	9/12/19	0.42741	9/20/19	0.42557	0.7569	P
Y441	Cle Elum 2019.1	0.42194	9/12/19	0.42816	9/20/19	0.42435	0.3875	F
Y474	Cle Elum 2019.1	0.42893	9/13/19	0.43379	9/21/19	0.43087	0.3992	F
Y475	Cle Elum 2019.1	0.42304	9/13/19	0.43038	9/21/19	0.42682	0.5150	F
Y476	Cle Elum 2019.1	0.46872	9/13/19	0.47464	9/21/19	0.47221	0.5895	W
Y477	Cle Elum 2019.1	0.41891	9/13/19	0.42666	9/21/19	0.42480	0.7600	P
Y478	Cle Elum 2019.1	0.42672	9/13/19	0.43151	9/21/19	0.42987	0.6576	W
Y479	Cle Elum 2019.1	0.42875	9/13/19	0.43591	9/21/19	0.43394	0.7249	P
Y480	Cle Elum 2019.1	0.41893	9/13/19	0.42504	9/21/19	0.42249	0.5827	W
Y481	Cle Elum 2019.1	0.45665	9/13/19	0.46451	9/21/19	0.46189	0.6667	P
Y482	Cle Elum 2019.1	0.45663	9/13/19	0.46090	9/21/19	0.45904	0.5644	W
Y483	Cle Elum 2019.1	0.42333	9/13/19	0.43000	9/21/19	0.42749	0.6237	P
Y519	Cle Elum 2019.1	0.42294	9/14/19	0.42668	9/22/19	0.42428	0.3583	F
Y520	Cle Elum 2019.1	0.41977	9/14/19	0.42568	9/22/19	0.42412	0.7360	P
Y521	Cle Elum 2019.1	0.42335	9/14/19	0.42947	9/22/19	0.42792	0.7467	P
Y522	Cle Elum 2019.1	0.42142	9/14/19	0.42659	9/22/19	0.42531	0.7524	P
Y523	Cle Elum 2019.1	0.42908	9/14/19	0.43369	9/22/19	0.43171	0.5705	W
Y524	Cle Elum 2019.1	0.42176	9/14/19	0.42800	9/22/19	0.42406	0.3686	F
Y525	Cle Elum 2019.1	0.42317	9/14/19	0.43069	9/22/19	0.42894	0.7673	P
Y526	Cle Elum 2019.1	0.42326	9/14/19	0.42668	9/22/19	0.42540	0.6257	W
Y527	Cle Elum 2019.1	0.45655	9/14/19	0.46437	9/22/19	0.46233	0.7391	P
Y536	Cle Elum 2019.1	0.42292	9/15/19	0.42916	9/23/19	0.42779	0.7804	
Y537	Cle Elum 2019.1	0.42338	9/15/19	0.42989	9/23/19	0.42567	0.3518	
Y538	Cle Elum 2019.1	0.42851	9/15/19	0.43560	9/23/19	0.43292	0.6220	
Y539	Cle Elum 2019.1	0.42003	9/15/19	0.42682	9/23/19	0.42404	0.5906	
Y540	Cle Elum 2019.1	0.42717	9/15/19	0.43172	9/23/19	0.42981	0.5802	
Y541	Cle Elum 2019.1	0.42284	9/15/19	0.42787	9/23/19	0.42552	0.5328	
Y542	Cle Elum 2019.1	0.42886	9/15/19	0.43285	9/23/19	0.43106	0.5514	
Y571	Cle Elum 2019.1	0.41847	9/16/19	0.42539	9/24/19	0.42265	0.6040	W
Y572	Cle Elum 2019.1	0.42249	9/16/19	0.42805	9/24/19	0.42514	0.4766	W
Y573	Cle Elum 2019.1	0.41863	9/16/19	0.42591	9/24/19	0.42171	0.4231	
Y574	Cle Elum 2019.1	0.42065	9/16/19	0.42516	9/24/19	0.42426	0.8004	P
Y575	Cle Elum 2019.1	0.42258	9/16/19	0.42901	9/24/19	0.42735	0.7418	P
Y675	Cle Elum 2019.1	0.42783	9/18/19	0.43257	9/26/19	0.43106	0.6814	
Y676	Cle Elum 2019.1	0.42243	9/18/19	0.42766	9/26/19	0.42659	0.7954	
Y677	Cle Elum 2019.1	0.42208	9/18/19	0.42651	9/26/19	0.42535	0.7381	
Y678	Cle Elum 2019.1	0.42749	9/18/19	0.42988	9/26/19	0.42928	0.7490	
Y679	Cle Elum 2019.1	0.42283	9/18/19	0.42641	9/26/19	0.42440	0.4385	
Y680	Cle Elum 2019.1	0.41843	9/18/19	0.42161	9/26/19	0.42110	0.8396	
Y681	Cle Elum 2019.1	0.42227	9/18/19	0.42892	9/26/19	0.42734	0.7624	
Y682	Cle Elum 2019.1	0.42230	9/18/19	0.42875	9/26/19	0.42738	0.7876	
Y683	Cle Elum 2019.1	0.42223	9/18/19	0.42584	9/26/19	0.42369	0.4044	

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Y684	Cle Elum 2019.1	0.42837	9/18/19	0.43648	9/26/19	0.43096	0.3194	
Y685	Cle Elum 2019.1	0.42506	9/18/19	0.43073	9/26/19	0.42929	0.7460	
Y686	Cle Elum 2019.1	0.42307	9/18/19	0.42524	9/26/19	0.42447	0.6452	
Y689	Cle Elum 2019.1	0.45611	9/18/19	0.45992	9/26/19	0.45855	0.6404	W
Y690	Cle Elum 2019.1	0.42268	9/18/19	0.42887	9/26/19	0.42744	0.7690	P
Y691	Cle Elum 2019.1	0.41845	9/18/19	0.42265	9/26/19	0.41994	0.3548	F
Y695	Cle Elum 2019.1	0.42217	9/19/19	0.42628	9/27/19	0.42362	0.3528	F
Y696	Cle Elum 2019.1	0.42280	9/19/19	0.42929	9/27/19	0.42754	0.7304	P
Y697	Cle Elum 2019.1	0.42157	9/19/19	0.42912	9/27/19	0.42702	0.7219	P
Y698	Cle Elum 2019.1	0.42861	9/19/19	0.43402	9/27/19	0.43145	0.5250	W
Y728	Cle Elum 2019.1	0.45582	9/20/19	0.46015	9/28/19	0.45929	0.8014	
Y729	Cle Elum 2019.1	0.42183	9/20/19	0.42586	9/28/19	0.42352	0.4194	
Y730	Cle Elum 2019.1	0.42591	9/20/19	0.43292	9/28/19	0.42871	0.3994	
Y731	Cle Elum 2019.1	0.42085	9/20/19	0.42664	9/28/19	0.42524	0.7582	
Y732	Cle Elum 2019.1	0.42273	9/20/19	0.42832	9/28/19	0.42468	0.3488	
Y733	Cle Elum 2019.1	0.42119	9/20/19	0.42567	9/28/19	0.42469	0.7813	
Y734	Cle Elum 2019.1	0.42320	9/20/19	0.42923	9/28/19	0.42544	0.3715	
Y735	Cle Elum 2019.1	0.42271	9/20/19	0.42726	9/28/19	0.42545	0.6022	
Y736	Cle Elum 2019.1	0.41856	9/20/19	0.42319	9/28/19	0.42049	0.4168	
Y737	Cle Elum 2019.1	0.42306	9/20/19	0.43001	9/28/19	0.42813	0.7295	
Y738	Cle Elum 2019.1	0.42143	9/20/19	0.42517	9/28/19	0.42442	0.7995	
Y739	Cle Elum 2019.1	0.41813	9/20/19	0.42033	9/28/19	0.42027	0.9727	
Y796	Cle Elum 2019.1	0.41913	9/22/19	0.42567	9/30/19	0.42403	0.7492	
Y797	Cle Elum 2019.1	0.44371	9/22/19	0.44680	9/30/19	0.44595	0.7249	P
Y825	Cle Elum 2019.1	0.41855	9/23/19	0.42436	10/1/19	0.42088	0.4010	F
Y826	Cle Elum 2019.1	0.42206	9/23/19	0.42716	10/1/19	0.42603	0.7784	P
Y827	Cle Elum 2019.1	0.42207	9/23/19	0.42593	10/1/19	0.42457	0.6477	
Y828	Cle Elum 2019.1	0.42241	9/23/19	0.42499	10/1/19	0.42331	0.3488	F
Y858	Cle Elum 2019.1	0.33357	9/24/19	0.33961	10/2/19	0.33807	0.7450	P
Y859	Cle Elum 2019.1	0.41881	9/24/19	0.42339	10/2/19	0.42058	0.3865	F
Y215	Cle Elum 2019.2	0.41972	9/9/19	0.42418	9/17/19	0.42229	0.5762	
Y216	Cle Elum 2019.2	0.42623	9/9/19	0.43050	9/17/19	0.42844	0.5176	W
Y217	Cle Elum 2019.2	0.42736	9/9/19	0.43209	9/17/19	0.43066	0.6977	W
Y218	Cle Elum 2019.2	0.42629	9/9/19	0.43161	9/17/19	0.42975	0.6504	W
Y219	Cle Elum 2019.2	0.42184	9/9/19	0.42787	9/17/19	0.42622	0.7264	P
Y220	Cle Elum 2019.2	0.42309	9/9/19	0.42707	9/17/19	0.42519	0.5276	
Y221	Cle Elum 2019.2	0.42162	9/9/19	0.42520	9/17/19	0.42355	0.5391	W
Y222	Cle Elum 2019.2	0.41889	9/9/19	0.42496	9/17/19	0.42302	0.6804	W
Y223	Cle Elum 2019.2	0.42189	9/9/19	0.42587	9/17/19	0.42415	0.5678	W
Y224	Cle Elum 2019.2	0.42867	9/9/19	0.43450	9/17/19	0.43162	0.5060	W
Y225	Cle Elum 2019.2	0.42739	9/9/19	0.43275	9/17/19	0.43056	0.5914	W
Y227	Cle Elum 2019.2	0.46879	9/9/19	0.47195	9/17/19	0.47068	0.5981	W
Y228	Cle Elum 2019.2	0.42192	9/9/19	0.42707	9/17/19	0.42497	0.5922	W
Y268	Cle Elum 2019.2	0.41978	9/10/19	0.42550	9/18/19	0.42356	0.6608	W
Y269	Cle Elum 2019.2	0.42320	9/10/19	0.42926	9/18/19	0.42777	0.7541	P
Y270	Cle Elum 2019.2	0.41993	9/10/19	0.42441	9/18/19	0.42259	0.5938	W
Y271	Cle Elum 2019.2	0.41963	9/10/19	0.42477	9/18/19	0.42258	0.5739	
Y272	Cle Elum 2019.2	0.41965	9/10/19	0.42471	9/18/19	0.42258	0.5791	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Y273	Cle Elum 2019.2	0.42277	9/10/19	0.42643	9/18/19	0.42556	0.7623	W
Y274	Cle Elum 2019.2	0.42314	9/10/19	0.42821	9/18/19	0.42599	0.5621	W
Y303	Cle Elum 2019.2	0.42331	9/11/19	0.43055	9/19/19	0.42761	0.5939	F
Y304	Cle Elum 2019.2	0.42346	9/11/19	0.43057	9/19/19	0.42760	0.5823	W
Y305	Cle Elum 2019.2	0.44475	9/11/19	0.45005	9/19/19	0.44676	0.3792	F
Y306	Cle Elum 2019.2	0.42323	9/11/19	0.42989	9/19/19	0.42690	0.5511	W
Y307	Cle Elum 2019.2	0.41972	9/11/19	0.42504	9/19/19	0.42269	0.5583	W
Y308	Cle Elum 2019.2	0.42882	9/11/19	0.43124	9/19/19	0.42977	0.3926	F
Y309	Cle Elum 2019.2	0.42210	9/11/19	0.42736	9/19/19	0.42521	0.5913	W
Y310	Cle Elum 2019.2	0.42346	9/11/19	0.42856	9/19/19	0.42636	0.5686	W
Y311	Cle Elum 2019.2	0.41884	9/11/19	0.42388	9/19/19	0.42181	0.5893	W
Y312	Cle Elum 2019.2	0.45651	9/11/19	0.46132	9/19/19	0.45925	0.5696	W
Y313	Cle Elum 2019.2	0.42211	9/11/19	0.42516	9/19/19	0.42389	0.5836	W
Y423	Cle Elum 2019.2	0.42210	9/12/19	0.42775	9/20/19	0.42537	0.5788	W
Y424	Cle Elum 2019.2	0.46882	9/12/19	0.47684	9/20/19	0.47224	0.4264	F
Y425	Cle Elum 2019.2	0.44482	9/12/19	0.44926	9/20/19	0.44713	0.5203	W
Y426	Cle Elum 2019.2	0.46871	9/12/19	0.47633	9/20/19	0.47406	0.7021	P
Y427	Cle Elum 2019.2	0.42330	9/12/19	0.43021	9/20/19	0.42816	0.7033	P
Y428	Cle Elum 2019.2	0.42762	9/12/19	0.43144	9/20/19	0.42902	0.3665	F
Y429	Cle Elum 2019.2	0.42891	9/12/19	0.43262	9/20/19	0.43085	0.5229	W
Y430	Cle Elum 2019.2	0.42288	9/12/19	0.42884	9/20/19	0.42566	0.4664	W
Y456	Cle Elum 2019.2	0.42311	9/13/19	0.42841	9/21/19	0.42703	0.7396	P
Y457	Cle Elum 2019.2	0.42177	9/13/19	0.42556	9/21/19	0.42447	0.7124	P
Y458	Cle Elum 2019.2	0.41912	9/13/19	0.42424	9/21/19	0.42197	0.5566	W
Y459	Cle Elum 2019.2	0.42015	9/13/19	0.42614	9/21/19	0.42369	0.5910	W
Y460	Cle Elum 2019.2	0.42298	9/13/19	0.42806	9/21/19	0.42574	0.5433	W
Y461	Cle Elum 2019.2	0.45655	9/13/19	0.46033	9/21/19	0.45874	0.5794	W
Y462	Cle Elum 2019.2	0.42623	9/13/19	0.43050	9/21/19	0.42841	0.5105	W
Y463	Cle Elum 2019.2	0.45656	9/13/19	0.46032	9/21/19	0.45842	0.4947	W
Y464	Cle Elum 2019.2	0.45664	9/13/19	0.46188	9/21/19	0.45966	0.5763	W
Y465	Cle Elum 2019.2	0.42220	9/13/19	0.42767	9/21/19	0.42529	0.5649	W
Y466	Cle Elum 2019.2	0.42742	9/13/19	0.43348	9/21/19	0.43162	0.6931	P
Y467	Cle Elum 2019.2	0.42273	9/13/19	0.42855	9/21/19	0.42632	0.6168	W
Y468	Cle Elum 2019.2	0.41910	9/13/19	0.42272	9/21/19	0.42190	0.7735	P
Y469	Cle Elum 2019.2	0.45655	9/13/19	0.46250	9/21/19	0.45983	0.5513	W
Y470	Cle Elum 2019.2	0.42230	9/13/19	0.42949	9/21/19	0.42747	0.7191	P
Y471	Cle Elum 2019.2	0.46870	9/13/19	0.47623	9/21/19	0.47453	0.7742	P
Y472	Cle Elum 2019.2	0.41981	9/13/19	0.42204	9/21/19	0.42121	0.6278	W
Y473	Cle Elum 2019.2	0.42197	9/13/19	0.42654	9/21/19	0.42463	0.5821	W
Y498	Cle Elum 2019.2	0.42009	9/14/19	0.42631	9/22/19	0.42453	0.7138	P
Y499	Cle Elum 2019.2	0.41924	9/14/19	0.42366	9/22/19	0.42255	0.7489	P
Y500	Cle Elum 2019.2	0.41929	9/14/19	0.42429	9/22/19	0.42270	0.6820	P
Y501	Cle Elum 2019.2	0.42356	9/14/19	0.43078	9/22/19	0.42730	0.5180	W
Y502	Cle Elum 2019.2	0.42337	9/14/19	0.43056	9/22/19	0.42915	0.8039	P
Y503	Cle Elum 2019.2	0.41979	9/14/19	0.42400	9/22/19	0.42247	0.6366	W
Y504	Cle Elum 2019.2	0.42154	9/14/19	0.43011	9/22/19	0.42756	0.7025	P
Y505	Cle Elum 2019.2	0.42219	9/14/19	0.42586	9/22/19	0.42417	0.5395	W
Y506	Cle Elum 2019.2	0.46875	9/14/19	0.47372	9/22/19	0.47060	0.3722	F
Y507	Cle Elum 2019.2	0.42664	9/14/19	0.43301	9/22/19	0.43150	0.7630	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Y508	Cle Elum 2019.2	0.42326	9/14/19	0.42752	9/22/19	0.42569	0.5704	W
Y509	Cle Elum 2019.2	0.41972	9/14/19	0.42470	9/22/19	0.42215	0.4880	F
Y510	Cle Elum 2019.2	0.42888	9/14/19	0.43480	9/22/19	0.43263	0.6334	W
Y511	Cle Elum 2019.2	0.42163	9/14/19	0.42579	9/22/19	0.42382	0.5264	W
Y512	Cle Elum 2019.2	0.42331	9/14/19	0.42744	9/22/19	0.42566	0.5690	W
Y513	Cle Elum 2019.2	0.42308	9/14/19	0.42917	9/22/19	0.42687	0.6223	W
Y514	Cle Elum 2019.2	0.42757	9/14/19	0.43184	9/22/19	0.42989	0.5433	W
Y516	Cle Elum 2019.2	0.46901	9/14/19	0.47472	9/22/19	0.47308	0.7128	P
Y543	Cle Elum 2019.2	0.45670	9/15/19	0.46205	9/23/19	0.45920	0.4673	
Y544	Cle Elum 2019.2	0.46862	9/15/19	0.47069	9/23/19	0.46982	0.5797	
Y545	Cle Elum 2019.2	0.42209	9/15/19	0.42633	9/23/19	0.42443	0.5519	
Y546	Cle Elum 2019.2	0.46882	9/15/19	0.47332	9/23/19	0.47076	0.4311	
Y547	Cle Elum 2019.2	0.45650	9/15/19	0.46345	9/23/19	0.45935	0.4101	
Y548	Cle Elum 2019.2	0.42636	9/15/19	0.43080	9/23/19	0.42871	0.5293	
Y549	Cle Elum 2019.2	0.41906	9/15/19	0.42512	9/23/19	0.42115	0.3449	
Y550	Cle Elum 2019.2	0.42294	9/15/19	0.42795	9/23/19	0.42591	0.5928	
Y551	Cle Elum 2019.2	0.45656	9/15/19	0.46174	9/23/19	0.45844	0.3629	
Y552	Cle Elum 2019.2	0.42225	9/15/19	0.42794	9/23/19	0.42675	0.7909	
Y553	Cle Elum 2019.2	0.42300	9/15/19	0.42965	9/23/19	0.42821	0.7835	
Y554	Cle Elum 2019.2	0.42172	9/15/19	0.42729	9/23/19	0.42455	0.5081	
Y555	Cle Elum 2019.2	0.41918	9/15/19	0.42366	9/23/19	0.42221	0.6763	
Y556	Cle Elum 2019.2	0.42757	9/15/19	0.43136	9/23/19	0.43018	0.6887	
Y557	Cle Elum 2019.2	0.42289	9/15/19	0.42667	9/23/19	0.42492	0.5370	
Y558	Cle Elum 2019.2	0.45652	9/15/19	0.46060	9/23/19	0.45798	0.3578	
Y559	Cle Elum 2019.2	0.41900	9/15/19	0.42362	9/23/19	0.42133	0.5043	
Y560	Cle Elum 2019.2	0.42104	9/15/19	0.42802	9/23/19	0.42645	0.7751	
Y561	Cle Elum 2019.2	0.46820	9/15/19	0.47297	9/23/19	0.47078	0.5409	
Y562	Cle Elum 2019.2	0.41897	9/15/19	0.42360	9/23/19	0.42076	0.3866	
Y576	Cle Elum 2019.2	0.42269	9/16/19	0.42862	9/24/19	0.42730	0.7774	P
Y577	Cle Elum 2019.2	0.44397	9/16/19	0.44903	9/24/19	0.44686	0.5711	F
Y578	Cle Elum 2019.2	0.42770	9/16/19	0.43078	9/24/19	0.43001	0.7500	P
Y579	Cle Elum 2019.2	0.41808	9/16/19	0.42309	9/24/19	0.42014	0.4112	F
Y580	Cle Elum 2019.2	0.41830	9/16/19	0.42253	9/24/19	0.42154	0.7660	P
Y581	Cle Elum 2019.2	0.42269	9/16/19	0.42702	9/24/19	0.42625	0.8222	P
Y582	Cle Elum 2019.2	0.41908	9/16/19	0.42449	9/24/19	0.42284	0.6950	P
Y583	Cle Elum 2019.2	0.41806	9/16/19	0.42221	9/24/19	0.42149	0.8265	P
Y584	Cle Elum 2019.2	0.45603	9/16/19	0.45930	9/24/19	0.45736	0.4067	F
Y585	Cle Elum 2019.2	0.42309	9/16/19	0.42704	9/24/19	0.42550	0.6101	W
Y586	Cle Elum 2019.2	0.45581	9/16/19	0.46015	9/24/19	0.45784	0.4677	F
Y587	Cle Elum 2019.2	0.42265	9/16/19	0.42733	9/24/19	0.42450	0.3953	F
Y588	Cle Elum 2019.2	0.41882	9/16/19	0.42377	9/24/19	0.42131	0.5030	W
Y589	Cle Elum 2019.2	0.42112	9/16/19	0.42459	9/24/19	0.42380	0.7723	F
Y590	Cle Elum 2019.2	0.42149	9/16/19	0.42505	9/24/19	0.42318	0.4747	W
Y591	Cle Elum 2019.2	0.42085	9/16/19	0.42625	9/24/19	0.42377	0.5407	W
Y592	Cle Elum 2019.2	0.46774	9/16/19	0.47205	9/24/19	0.47042	0.6218	W
Y593	Cle Elum 2019.2	0.42111	9/16/19	0.42443	9/24/19	0.42330	0.6596	W
Y594	Cle Elum 2019.2	0.42272	9/16/19	0.42851	9/24/19	0.42717	0.7686	P
Y595	Cle Elum 2019.2	0.42274	9/16/19	0.42880	9/24/19	0.42608	0.5512	W
Y611	Cle Elum 2019.2	0.42247	9/17/19	0.42681	9/25/19	0.42404	0.3618	F

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Y612	Cle Elum 2019.2	0.42193	9/17/19	0.42596	9/25/19	0.42380	0.4640	W
Y613	Cle Elum 2019.2	0.41808	9/17/19	0.42081	9/25/19	0.41949	0.5165	W
Y614	Cle Elum 2019.2	0.42161	9/17/19	0.42796	9/25/19	0.42650	0.7701	P
Y615	Cle Elum 2019.2	0.42312	9/17/19	0.42708	9/25/19	0.42454	0.3586	F
Y616	Cle Elum 2019.2	0.42330	9/17/19	0.42754	9/25/19	0.42566	0.5566	W
Y617	Cle Elum 2019.2	0.42818	9/17/19	0.43384	9/25/19	0.43141	0.5707	W
Y618	Cle Elum 2019.2	0.46822	9/17/19	0.47227	9/25/19	0.47102	0.6914	P
Y619	Cle Elum 2019.2	0.41847	9/17/19	0.42324	9/25/19	0.42027	0.3774	F
Y620	Cle Elum 2019.2	0.42122	9/17/19	0.42678	9/25/19	0.42391	0.4838	F
Y621	Cle Elum 2019.2	0.41902	9/17/19	0.42385	9/25/19	0.42073	0.3540	F
Y636	Cle Elum 2019.2	0.42638	9/9/19	0.43101	9/17/19	0.42814	0.3801	
Y709	Cle Elum 2019.2	0.42243	9/20/19	0.42704	9/28/19	0.42478	0.5098	W
Y710	Cle Elum 2019.2	0.45618	9/20/19	0.45883	9/28/19	0.45762	0.5434	W
Y711	Cle Elum 2019.2	0.42840	9/20/19	0.43148	9/28/19	0.43018	0.5779	W
Y712	Cle Elum 2019.2	0.41855	9/20/19	0.42211	9/28/19	0.42030	0.4916	W
Y713	Cle Elum 2019.2	0.42127	9/20/19	0.42694	9/28/19	0.42584	0.8060	P
Y714	Cle Elum 2019.2	0.42293	9/20/19	0.42793	9/28/19	0.42667	0.7480	P
Y715	Cle Elum 2019.2	0.42225	9/20/19	0.42568	9/28/19	0.42407	0.5306	W
Y716	Cle Elum 2019.2	0.42266	9/20/19	0.42570	9/28/19	0.42442	0.5789	W
Y717	Cle Elum 2019.2	0.46815	9/20/19	0.47093	9/28/19	0.46944	0.4640	F
Y718	Cle Elum 2019.2	0.41827	9/20/19	0.42126	9/28/19	0.41989	0.5418	W
Y719	Cle Elum 2019.2	0.42829	9/20/19	0.43370	9/28/19	0.43252	0.7819	P
Y720	Cle Elum 2019.2	0.42249	9/20/19	0.42746	9/28/19	0.42542	0.5895	W
Y721	Cle Elum 2019.2	0.42106	9/20/19	0.42503	9/28/19	0.42201	0.2393	F
Y722	Cle Elum 2019.2	0.42270	9/20/19	0.42583	9/28/19	0.42470	0.6390	W
Y723	Cle Elum 2019.2	0.45582	9/20/19	0.45901	9/28/19	0.45831	0.7806	P
Y724	Cle Elum 2019.2	0.41862	9/20/19	0.42207	9/28/19	0.42107	0.7101	W
Y725	Cle Elum 2019.2	0.42222	9/20/19	0.42394	9/28/19	0.42356	0.7791	W
Y726	Cle Elum 2019.2	0.42267	9/20/19	0.42791	9/28/19	0.42671	0.7710	P
Y860	Cle Elum 2019.2	0.42167	9/24/19	0.42823	10/2/19	0.42416	0.3796	F
CELA001	Cle Elum 2018	0.42099	9/12/18	0.42707	9/20/18	0.42302	0.3339	F
CELA002	Cle Elum 2018	0.42248	9/13/18	0.42896	9/21/18	0.42745	0.7670	P
CELA003	Cle Elum 2018	0.42262	9/13/18	0.42777	9/21/18	0.42640	0.7340	P
CELA004	Cle Elum 2018	0.42242	9/13/18	0.42782	9/21/18	0.42603	0.6685	P
CELA005	Cle Elum 2018	0.42148	9/13/18	0.42750	9/21/18	0.42598	0.7475	P
CELA006	Cle Elum 2018	0.46759	9/19/18	0.47411	9/27/18	0.47040	0.4310	F
CELA007	Cle Elum 2018	0.46800	9/20/18	0.47297	9/28/18	0.46990	0.3823	F
CELA008	Cle Elum 2018	0.42528	9/21/18	0.42723	9/29/18	0.42597	0.3538	F
CELA009	Cle Elum 2018	0.42236	9/21/18	0.42734	9/29/18	0.42617	0.7651	P
CELA010	Cle Elum 2018	0.42076	9/21/18	0.42941	9/29/18	0.42729	0.7549	P
CELA011	Cle Elum 2018	0.42204	9/24/18	0.42877	10/2/18	0.42707	0.7474	P
CELA012	Cle Elum 2018	0.42100	9/24/18	0.42630	10/2/18	0.42503	0.7604	P
CELA013	Cle Elum 2018	0.41804	9/24/18	0.42408	10/2/18	0.42266	0.7649	P
CELA014	Cle Elum 2018	0.42202	9/26/18	0.42607	10/4/18	0.42498	0.7309	F
CELA015	Cle Elum 2018	0.42375	9/27/18	0.42777	10/5/18	0.42537	0.4030	F
CELB001	Cle Elum 2018	0.42244	9/12/18	0.42844	9/20/18	0.42617	0.6217	W
CELB002	Cle Elum 2018	0.41817	9/13/18	0.42418	9/21/18	0.42279	0.7687	P
CELB003	Cle Elum 2018	0.42219	9/13/18	0.43073	9/21/18	0.42862	0.7529	P

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CELB004	Cle Elum 2018	0.46724	9/13/18	0.47438	9/21/18	0.47262	0.7535	P
CELB005	Cle Elum 2018	0.42107	9/13/18	0.42561	9/21/18	0.42466	0.7907	P
CELB006	Cle Elum 2018	0.46748	9/13/18	0.47631	9/21/18	0.47427	0.7690	P
CELB007	Cle Elum 2018	0.42223	9/13/18	0.42729	9/21/18	0.42605	0.7549	P
CELB008	Cle Elum 2018	0.42243	9/13/18	0.42780	9/21/18	0.42678	0.8101	P
CELB009	Cle Elum 2018	0.42035	9/15/18	0.42444	9/23/18	0.42195	0.3912	F
CELB010	Cle Elum 2018	0.42231	9/15/18	0.42948	9/23/18	0.42479	0.3459	F
CELB011	Cle Elum 2018	0.46778	9/15/18	0.47372	9/23/18	0.47000	0.3737	F
CELB012	Cle Elum 2018	0.44342	9/15/18	0.44819	9/23/18	0.44703	0.7568	P
CELB013	Cle Elum 2018	0.46768	9/15/18	0.47863	9/23/18	0.47559	0.7224	P
CELB014	Cle Elum 2018	0.41783	9/15/18	0.42687	9/23/18	0.42476	0.7666	P
CELB015	Cle Elum 2018	0.42208	9/15/18	0.42846	9/23/18	0.42623	0.6505	P
CELB016	Cle Elum 2018	0.45587	9/16/18	0.46456	9/24/18	0.46224	0.7330	P
CELB017	Cle Elum 2018	0.42073	9/16/18	0.42697	9/24/18	0.42293	0.3526	F
CELB018	Cle Elum 2018	0.42521	9/16/18	0.43113	9/24/18	0.42974	0.7652	P
CELB019	Cle Elum 2018	0.46752	9/16/18	0.47265	9/24/18	0.47091	0.6608	P
CELB020	Cle Elum 2018	0.42241	9/16/18	0.43059	9/24/18	0.42862	0.7592	P
CELB021	Cle Elum 2018	0.45561	9/16/18	0.46116	9/24/18	0.45978	0.7514	P
CELB022	Cle Elum 2018	0.46747	9/16/18	0.47452	9/24/18	0.47001	0.3603	F
CELB023	Cle Elum 2018	0.42252	9/16/18	0.42978	9/24/18	0.42747	0.6818	P
CELB024	Cle Elum 2018	0.42240	9/16/18	0.42927	9/24/18	0.42724	0.7045	P
CELB025	Cle Elum 2018	0.45567	9/17/18	0.46208	9/25/18	0.46003	0.6802	P
CELB026	Cle Elum 2018	0.45559	9/17/18	0.46053	9/25/18	0.45737	0.3603	F
CELB027	Cle Elum 2018	0.42237	9/17/18	0.42727	9/25/18	0.42416	0.3653	F
CELB028	Cle Elum 2018	0.42112	9/17/18	0.42820	9/25/18	0.42619	0.7161	P
CELB029	Cle Elum 2018	0.46802	9/17/18	0.47403	9/25/18	0.47224	0.7022	P
CELB030	Cle Elum 2018	0.45565	9/17/18	0.45883	9/25/18	0.45723	0.4969	W
CELB031	Cle Elum 2018	0.46721	9/17/18	0.47195	9/25/18	0.47053	0.7004	P
CELB032	Cle Elum 2018	0.46825	9/17/18	0.47468	9/25/18	0.47256	0.6703	P
CELB033	Cle Elum 2018	0.42230	9/17/18	0.42778	9/25/18	0.42422	0.3504	F
CELB034	Cle Elum 2018	0.42806	9/17/18	0.43598	9/25/18	0.43323	0.6528	P
CELB035	Cle Elum 2018	0.42116	9/17/18	0.42605	9/25/18	0.42426	0.6339	P
CELB036	Cle Elum 2018	0.42806	9/17/18	0.43601	9/25/18	0.43296	0.6164	P
CELB037	Cle Elum 2018	0.42273	9/17/18	0.43077	9/25/18	0.42726	0.5634	P
CELB038	Cle Elum 2018	0.44420	9/18/18	0.45119	9/26/18	0.44815	0.5651	W
CELB039	Cle Elum 2018	0.42404	9/18/18	0.43097	9/26/18	0.42886	0.6955	P
CELB040	Cle Elum 2018	0.42387	9/18/18	0.43223	9/26/18	0.43014	0.7500	P
CELB041	Cle Elum 2018	0.42843	9/18/18	0.43571	9/26/18	0.43408	0.7761	P
CELB042	Cle Elum 2018	0.42593	9/19/18	0.43328	9/27/18	0.43153	0.7619	P
CELB043	Cle Elum 2018	0.42394	9/19/18	0.42865	9/27/18	0.42579	0.3928	P
CELB044	Cle Elum 2018	0.42856	9/20/18	0.43501	9/28/18	0.43352	0.7690	P
CELB045	Cle Elum 2018	0.42797	9/20/18	0.43340	9/28/18	0.43091	0.5414	P
CELB046	Cle Elum 2018	0.42240	9/20/18	0.42565	9/28/18	0.42365	0.3846	F
CELB047	Cle Elum 2018	0.42351	9/20/18	0.42956	9/28/18	0.42792	0.7289	P
CELB048	Cle Elum 2018	0.44361	9/20/18	0.45085	9/28/18	0.44834	0.6533	P
CELB049	Cle Elum 2018	0.44396	9/20/18	0.45254	9/28/18	0.44992	0.6946	P
CELB050	Cle Elum 2018	0.42344	9/21/18	0.42776	9/29/18	0.42515	0.3958	F
CELB051	Cle Elum 2018	0.42371	9/21/18	0.43167	9/29/18	0.42993	0.7814	P
CELB052	Cle Elum 2018	0.42140	9/21/18	0.42890	9/29/18	0.42718	0.7707	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
CELB053	Cle Elum 2018	0.44395	9/23/18	0.45028	10/1/18	0.44867	0.7457	P
CELB054	Cle Elum 2018	0.42250	9/25/18	0.42766	10/3/18	0.42480	0.4457	P
CELB055	Cle Elum 2018	0.42367	9/25/18	0.42982	10/3/18	0.42801	0.7057	P
CELB056	Cle Elum 2018	0.44447	9/25/18	0.45231	10/3/18	0.45056	0.7768	P
CELB057	Cle Elum 2018	0.45592	9/25/18	0.46129	10/3/18	0.45816	0.4171	F
CELB058	Cle Elum 2018	0.42271	9/25/18	0.43034	10/3/18	0.42815	0.7130	P
CELB059	Cle Elum 2018	0.42247	9/28/18	0.42741	10/6/18	0.42441	0.3927	F
SCL001	Coupeville	0.42601	8/30/17	0.43251	9/7/17	0.42882	0.4323	
SCL002	Coupeville	0.41842	8/30/17	0.42576	9/7/17	0.42372	0.7221	
SCL003	Coupeville	0.42723	8/30/17	0.43257	9/7/17	0.43098	0.7022	P
SCL004	Coupeville	0.41945	8/30/17	0.42694	9/7/17	0.42239	0.3925	
SCL005	Coupeville	0.42711	8/30/17	0.43359	9/7/17	0.43216	0.7793	
SCL006	Coupeville	0.42033	8/30/17	0.42569	9/7/17	0.42346	0.5840	
SCL007	Coupeville	0.41710	8/30/17	0.42411	9/7/17	0.42218	0.7247	
SCL008	Coupeville	0.42250	8/30/17	0.42980	9/7/17	0.42588	0.4630	
SCL009	Coupeville	0.41823	8/30/17	0.42464	9/7/17	0.42322	0.7785	
SCL010	Coupeville	0.42255	8/30/17	0.43045	9/7/17	0.42829	0.7266	P
SCL011	Coupeville	0.41840	8/30/17	0.42357	9/7/17	0.42211	0.7176	
SCL012	Coupeville	0.42318	8/30/17	0.43039	9/7/17	0.42895	0.8003	P
SCL013	Coupeville	0.41871	8/30/17	0.42290	9/7/17	0.42189	0.7589	
SCL014	Coupeville	0.42056	8/30/17	0.42424	9/7/17	0.42386	0.8967	P
SCL015	Coupeville	0.42395	8/30/17	0.42953	9/7/17	0.42817	0.7563	P
SCL017	Coupeville	0.43052	8/30/17	0.43850	9/7/17	0.43634	0.7293	
SCL018	Coupeville	0.41986	8/30/17	0.42316	9/7/17	0.42207	0.6697	
SCL019	Coupeville	0.41719	8/30/17	0.42229	9/7/17	0.41933	0.4196	
SCL020	Coupeville	0.41955	8/30/17	0.42501	9/7/17	0.42389	0.7949	
SCL021	Coupeville	0.42416	8/30/17	0.42779	9/7/17	0.42552	0.3747	
SCL022	Coupeville	0.43035	8/30/17	0.43401	9/7/17	0.43305	0.7377	
SCL023	Coupeville	0.41791	8/31/17	0.42636	9/8/17	0.42438	0.7657	P
SCL024	Coupeville	0.42079	8/31/17	0.42884	9/8/17	0.42679	0.7453	
SCL025	Coupeville	0.41913	8/31/17	0.42347	9/8/17	0.42255	0.7880	
SCL026	Coupeville	0.41755	8/31/17	0.42345	9/8/17	0.42210	0.7712	
SCL027	Coupeville	0.42660	8/31/17	0.43609	9/8/17	0.43341	0.7176	
SCL028	Coupeville	0.41914	8/31/17	0.42538	9/8/17	0.42398	0.7756	
SCL029	Coupeville	0.42603	8/31/17	0.43371	9/8/17	0.43153	0.7161	P
SCL031	Coupeville	0.42375	8/31/17	0.43024	9/8/17	0.42854	0.7381	
SCL032	Coupeville	0.42402	8/31/17	0.43022	9/8/17	0.42869	0.7532	
SCL033	Coupeville	0.42746	8/31/17	0.43459	9/8/17	0.43128	0.5358	P
SCL034	Coupeville	0.42098	8/31/17	0.42488	9/8/17	0.42392	0.7538	
SCL035	Coupeville	0.42236	8/31/17	0.42787	9/8/17	0.42650	0.7514	P
SCL036	Coupeville	0.43001	8/31/17	0.43394	9/8/17	0.43247	0.6260	
SCL037	Coupeville	0.42006	8/31/17	0.42622	9/8/17	0.42462	0.7403	P
SCL038	Coupeville	0.41827	9/1/17	0.42519	9/9/17	0.42294	0.6749	
SCL039	Coupeville	0.42013	9/1/17	0.42372	9/9/17	0.42272	0.7214	
SCL040	Coupeville	0.41710	9/1/17	0.42336	9/9/17	0.42171	0.7364	P
SCL041	Coupeville	0.43085	9/1/17	0.43686	9/9/17	0.43515	0.7155	
SCL042	Coupeville	0.42966	9/1/17	0.43712	9/9/17	0.43499	0.7145	
SCL043	Coupeville	0.42748	9/1/17	0.43608	9/9/17	0.43364	0.7163	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
SCL044	Coupeville	0.43076	9/1/17	0.43619	9/9/17	0.43456	0.6998	
SCL045	Coupeville	0.41853	9/1/17	0.42332	9/9/17	0.42117	0.5511	
SCL046	Coupeville	0.41836	9/1/17	0.42193	9/9/17	0.41936	0.2801	
SCL047	Coupeville	0.42293	9/1/17	0.42963	9/9/17	0.42767	0.7075	
SCL048	Coupeville	0.41901	9/1/17	0.42612	9/9/17	0.42445	0.7651	P
SCL049	Coupeville	0.43099	9/1/17	0.43763	9/9/17	0.43553	0.6837	
SCL050	Coupeville	0.42000	9/1/17	0.42630	9/9/17	0.42478	0.7587	
SCL051	Coupeville	0.41801	9/1/17	0.42092	9/9/17	0.41980	0.6151	
SCL052	Coupeville	0.42769	9/1/17	0.43099	9/9/17	0.42899	0.3939	
SCL053	Coupeville	0.42724	9/1/17	0.43231	9/9/17	0.43098	0.7377	
SCL054	Coupeville	0.41794	9/1/17	0.42106	9/9/17	0.42026	0.7436	
SCL055	Coupeville	0.42619	9/1/17	0.43113	9/9/17	0.42966	0.7024	
SCL056	Coupeville	0.42046	9/1/17	0.42799	9/9/17	0.42594	0.7278	P
SCL057	Coupeville	0.42603	9/1/17	0.43159	9/9/17	0.42966	0.6529	
SCL058	Coupeville	0.42981	9/1/17	0.43702	9/9/17	0.43550	0.7892	
SCL059	Coupeville	0.42609	9/1/17	0.43168	9/9/17	0.43018	0.7317	P
SCL060	Coupeville	0.41827	9/1/17	0.42489	9/9/17	0.42061	0.3535	
SCL061	Coupeville	0.41809	9/1/17	0.42668	9/9/17	0.42138	0.3830	
SCL062	Coupeville	0.42988	9/1/17	0.43472	9/9/17	0.43348	0.7438	
SCL063	Coupeville	0.42343	9/1/17	0.43026	9/9/17	0.42830	0.7130	
SCL064	Coupeville	0.41879	9/1/17	0.42378	9/9/17	0.42252	0.7475	
SCL065	Coupeville	0.41857	9/1/17	0.42136	9/9/17	0.41992	0.4839	
SCL066	Coupeville	0.42534	9/1/17	0.43061	9/9/17	0.42737	0.3852	
SCL067	Coupeville	0.42064	9/1/17	0.42741	9/9/17	0.42538	0.7001	P
SCL068	Coupeville	0.42338	9/1/17	0.42900	9/9/17	0.42793	0.8096	
SCL069	Coupeville	0.41859	9/1/17	0.42459	9/9/17	0.42308	0.7483	
SCL070	Coupeville	0.41984	9/1/17	0.42635	9/9/17	0.42442	0.7035	
SCL071	Coupeville	0.41993	9/1/17	0.42360	9/9/17	0.42280	0.7820	
SCL072	Coupeville	0.42361	9/1/17	0.42806	9/9/17	0.42679	0.7146	
SCL073	Coupeville	0.41832	9/1/17	0.42211	9/9/17	0.42116	0.7493	
SCL074	Coupeville	0.42727	9/1/17	0.43429	9/9/17	0.43236	0.7251	
SCL075	Coupeville	0.41726	9/1/17	0.42211	9/9/17	0.42049	0.6660	
SCL076	Coupeville	0.41893	9/1/17	0.42429	9/9/17	0.42359	0.8694	P
SCL077	Coupeville	0.41885	9/1/17	0.42212	9/9/17	0.42136	0.7676	
SCL078	Coupeville	0.41634	9/1/17	0.42156	9/9/17	0.42005	0.7107	
SCL079	Coupeville	0.42554	9/1/17	0.42825	9/9/17	0.42797	0.8967	
SCL080	Coupeville	0.41825	9/1/17	0.42354	9/9/17	0.42261	0.8242	P
SCL081	Coupeville	0.41829	9/1/17	0.42739	9/9/17	0.42675	0.9297	
SCL082	Coupeville	0.42303	9/1/17	0.43380	9/9/17	0.43138	0.7753	
SCL083	Coupeville	0.41948	9/1/17	0.42388	9/9/17	0.42278	0.7500	P
SCL084	Coupeville	0.41797	9/1/17	0.42284	9/9/17	0.42281	0.9938	P
SCL085	Coupeville	0.41857	9/1/17	0.42241	9/9/17	0.42151	0.7656	
SCL087	Coupeville	0.42002	9/1/17	0.42369	9/9/17	0.42201	0.5422	
SCL088	Coupeville	0.42393	9/1/17	0.42690	9/9/17	0.42519	0.4242	
SCL089	Coupeville	0.41932	9/1/17	0.42343	9/9/17	0.42099	0.4063	
SCL090	Coupeville	0.41835	9/1/17	0.41906	9/9/17	0.41901	0.9296	
SCL091	Coupeville	0.42240	9/1/17	0.42679	9/9/17	0.42566	0.7426	
SCL092	Coupeville	0.41864	9/2/17	0.42430	9/10/17	0.42272	0.7208	P
SCL093	Coupeville	0.41886	9/2/17	0.42504	9/10/17	0.42341	0.7362	

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
SCL094	Coupeville	0.41858	9/2/17	0.42508	9/10/17	0.42358	0.7692	
SCL095	Coupeville	0.42241	9/2/17	0.42940	9/10/17	0.42769	0.7554	P
SCL096	Coupeville	0.42199	9/2/17	0.42951	9/10/17	0.42733	0.7101	
SCL097	Coupeville	0.42561	9/2/17	0.43198	9/10/17	0.43014	0.7111	
SCL098	Coupeville	0.42389	9/2/17	0.42977	9/10/17	0.42816	0.7262	
SCL099	Coupeville	0.41895	9/2/17	0.42547	9/10/17	0.42370	0.7285	
SCL100	Coupeville	0.42036	9/2/17	0.42626	9/10/17	0.42471	0.7373	P
Q0001	Cusick Creek	0.41812	8/25/20	0.42610	9/2/20	0.42388	0.7218	P
Q0002	Cusick Creek	0.42343	8/25/20	0.42774	9/2/20	0.42590	0.5731	W
Q0003	Cusick Creek	0.42471	8/25/20	0.43263	9/2/20	0.43055	0.7374	P
Q0004	Cusick Creek	0.42233	8/25/20	0.42613	9/2/20	0.42451	0.5737	W
Q0005	Cusick Creek	0.42595	8/25/20	0.43160	9/2/20	0.42877	0.4991	W
Q0006	Cusick Creek	0.42020	8/25/20	0.42499	9/2/20	0.42275	0.5324	W
Q0007	Cusick Creek	0.42372	8/25/20	0.42817	9/2/20	0.42633	0.5865	W
Q0008	Cusick Creek	0.42212	8/25/20	0.42637	9/2/20	0.42388	0.4141	W
Q0009	Cusick Creek	0.41917	8/25/20	0.42492	9/2/20	0.42352	0.7565	P
Q0010	Cusick Creek	0.42276	8/25/20	0.43014	9/2/20	0.42866	0.7995	P
Q0011	Cusick Creek	0.41741	8/25/20	0.42498	9/2/20	0.42322	0.7675	P
Q0012	Cusick Creek	0.41850	8/25/20	0.42362	9/2/20	0.42160	0.6055	W
Q0013	Cusick Creek	0.42143	8/25/20	0.42586	9/2/20	0.42396	0.5711	W
Q0014	Cusick Creek	0.42600	8/25/20	0.43111	9/2/20	0.42785	0.3620	F
Q0016	Cusick Creek	0.42240	8/25/20	0.42876	9/2/20	0.42490	0.3931	F
Q0017	Cusick Creek	0.42409	8/25/20	0.42777	9/2/20	0.42652	0.6603	W
Q0018	Cusick Creek	0.41892	8/25/20	0.42059	9/2/20	0.42030	0.8263	F
Q0019	Cusick Creek	0.41738	8/25/20	0.42196	9/2/20	0.41988	0.5459	W
Q0062	Cusick Creek	0.46817	8/26/20	0.47614	9/3/20	0.47422	0.7591	P
Q0063	Cusick Creek	0.47259	8/26/20	0.47761	9/3/20	0.47553	0.5857	W
Q0064	Cusick Creek	0.47238	8/26/20	0.47766	9/3/20	0.47597	0.6799	P
Q0065	Cusick Creek	0.47050	8/26/20	0.47825	9/3/20	0.47586	0.6916	P
Q0066	Cusick Creek	0.47196	8/26/20	0.47759	9/3/20	0.47615	0.7442	P
Q0068	Cusick Creek	0.47210	8/26/20	0.47857	9/3/20	0.47669	0.7094	P
Q0069	Cusick Creek	0.47181	8/26/20	0.47903	9/3/20	0.47442	0.3615	F
Q0070	Cusick Creek	0.47161	8/26/20	0.47519	9/3/20	0.47367	0.5754	W
Q0071	Cusick Creek	0.47287	8/26/20	0.47699	9/3/20	0.47478	0.4636	F
Q0192	Cusick Creek	0.47243	8/28/20	0.47729	9/5/20	0.47520	0.5700	W
Q0193	Cusick Creek	0.47194	8/28/20	0.47720	9/5/20	0.47487	0.5570	W
Q0194	Cusick Creek	0.46826	8/28/20	0.47241	9/5/20	0.47052	0.5446	W
Q0195	Cusick Creek	0.46812	8/28/20	0.47398	9/5/20	0.47234	0.7201	P
Q0196	Cusick Creek	0.46767	8/28/20	0.47393	9/5/20	0.46990	0.3562	F
Q0197	Cusick Creek	0.46819	8/28/20	0.47311	9/5/20	0.47089	0.5488	W
Q0198	Cusick Creek	0.47304	8/28/20	0.47889	9/5/20	0.47712	0.6974	P
Q0199	Cusick Creek	0.46609	8/28/20	0.47224	9/5/20	0.47087	0.7772	P
Q0301	Cusick Creek	0.47206	8/29/20	0.47708	9/6/20	0.47441	0.4681	W
Q0302	Cusick Creek	0.47148	8/29/20	0.47832	9/6/20	0.47652	0.7368	P
Q0303	Cusick Creek	0.47120	8/29/20	0.47559	9/6/20	0.47371	0.5718	W
Q0304	Cusick Creek	0.47254	8/29/20	0.47747	9/6/20	0.47519	0.5375	W
Q0305	Cusick Creek	0.47275	8/29/20	0.47920	9/6/20	0.47770	0.7674	P
Q0306	Cusick Creek	0.46817	8/29/20	0.47443	9/6/20	0.47297	0.7668	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q0307	Cusick Creek	0.47013	8/29/20	0.47468	9/6/20	0.47328	0.6923	P
Q0308	Cusick Creek	0.46565	8/29/20	0.47287	9/6/20	0.47097	0.7368	P
Q0309	Cusick Creek	0.47172	8/29/20	0.48016	9/6/20	0.47802	0.7464	P
Q0310	Cusick Creek	0.47062	8/29/20	0.47504	9/6/20	0.47400	0.7647	P
Q0311	Cusick Creek	0.47254	8/29/20	0.47804	9/6/20	0.47618	0.6618	P
Q0312	Cusick Creek	0.47292	8/29/20	0.47696	9/6/20	0.47501	0.5173	W
Q0313	Cusick Creek	0.47489	8/29/20	0.48072	9/6/20	0.47919	0.7376	P
Q0315	Cusick Creek	0.47456	8/29/20	0.48057	9/6/20	0.47744	0.4792	F
Q0316	Cusick Creek	0.47682	8/29/20	0.48093	9/6/20	0.47912	0.5596	W
Q0331	Cusick Creek	0.47429	8/30/20	0.48221	9/7/20	0.47981	0.6970	P
Q0332	Cusick Creek	0.47494	8/30/20	0.48055	9/7/20	0.47800	0.5455	W
Q0333	Cusick Creek	0.47208	8/30/20	0.47657	9/7/20	0.47542	0.7439	P
Q0334	Cusick Creek	0.46784	8/30/20	0.47429	9/7/20	0.47290	0.7845	P
Q0335	Cusick Creek	0.47368	8/30/20	0.48059	9/7/20	0.47885	0.7482	P
Q0336	Cusick Creek	0.46796	8/30/20	0.47346	9/7/20	0.47209	0.7509	P
Q0337	Cusick Creek	0.47106	8/30/20	0.47615	9/7/20	0.47494	0.7623	P
Q0381	Cusick Creek	0.46855	8/31/20	0.47522	9/8/20	0.47367	0.7676	P
Q0382	Cusick Creek	0.47246	8/31/20	0.47840	9/8/20	0.47631	0.6481	W
Q0383	Cusick Creek	0.46904	8/31/20	0.47437	9/8/20	0.47288	0.7205	P
Q0384	Cusick Creek	0.47372	8/31/20	0.47868	9/8/20	0.47740	0.7419	P
Q0385	Cusick Creek	0.47516	8/31/20	0.47998	9/8/20	0.47794	0.5768	W
Q0386	Cusick Creek	0.47329	8/31/20	0.47861	9/8/20	0.47657	0.6165	W
Q0387	Cusick Creek	0.47268	8/31/20	0.47766	9/8/20	0.47543	0.5522	W
Q0388	Cusick Creek	0.47216	8/31/20	0.47759	9/8/20	0.47639	0.7790	P
Q0425	Cusick Creek	0.47490	9/1/20	0.48154	9/9/20	0.47994	0.7590	P
Q0426	Cusick Creek	0.47335	9/1/20	0.48119	9/9/20	0.47909	0.7321	P
Q0427	Cusick Creek	0.47166	9/1/20	0.47796	9/9/20	0.47592	0.6762	P
Q0428	Cusick Creek	0.47324	9/1/20	0.47768	9/9/20	0.47583	0.5833	W
Q0429	Cusick Creek	0.47066	9/1/20	0.47454	9/9/20	0.47281	0.5541	W
Q0430	Cusick Creek	0.47062	9/1/20	0.47445	9/9/20	0.47339	0.7232	P
Q0431	Cusick Creek	0.47640	9/1/20	0.48261	9/9/20	0.48099	0.7391	P
Q0432	Cusick Creek	0.47523	9/1/20	0.48241	9/9/20	0.48071	0.7632	P
Q0433	Cusick Creek	0.47180	9/1/20	0.48151	9/9/20	0.47909	0.7508	P
Q0434	Cusick Creek	0.47623	9/1/20	0.48166	9/9/20	0.48043	0.7735	P
Q0435	Cusick Creek	0.47204	9/1/20	0.47817	9/9/20	0.47559	0.5791	W
Q0436	Cusick Creek	0.46805	9/1/20	0.47296	9/9/20	0.47173	0.7495	P
Q0437	Cusick Creek	0.47296	9/1/20	0.47756	9/9/20	0.47646	0.7609	P
Q0438	Cusick Creek	0.47069	9/1/20	0.47668	9/9/20	0.47396	0.5459	W
Q0439	Cusick Creek	0.46808	9/1/20	0.47354	9/9/20	0.47088	0.5128	W
Q0440	Cusick Creek	0.47165	9/1/20	0.47763	9/9/20	0.47378	0.3562	F
Q0441	Cusick Creek	0.47542	9/1/20	0.48230	9/9/20	0.48086	0.7907	P
Q0442	Cusick Creek	0.47213	9/1/20	0.47835	9/9/20	0.47452	0.3842	F
Q0443	Cusick Creek	0.46828	9/1/20	0.47377	9/9/20	0.47235	0.7413	P
Q0444	Cusick Creek	0.46756	9/1/20	0.47653	9/9/20	0.47063	0.3423	F
Q0445	Cusick Creek	0.47257	9/1/20	0.47870	9/9/20	0.47722	0.7586	P
Q0619	Cusick Creek	0.47177	9/3/20	0.47803	9/11/20	0.47656	0.7652	P
Q0620	Cusick Creek	0.46576	9/3/20	0.46950	9/11/20	0.46866	0.7754	P
Q0621	Cusick Creek	0.47733	9/3/20	0.47999	9/11/20	0.47929	0.7368	P
Q0622	Cusick Creek	0.47598	9/3/20	0.48080	9/11/20	0.47973	0.7780	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q0623	Cusick Creek	0.47283	9/3/20	0.47607	9/11/20	0.47463	0.5556	W
Q0624	Cusick Creek	0.47062	9/3/20	0.47433	9/11/20	0.47202	0.3774	F
Q0625	Cusick Creek	0.47675	9/3/20	0.48166	9/11/20	0.48062	0.7882	P
Q0626	Cusick Creek	0.47333	9/3/20	0.47898	9/11/20	0.47773	0.7788	P
Q0627	Cusick Creek	0.47103	9/3/20	0.47416	9/11/20	0.47324	0.7061	P
Q0628	Cusick Creek	0.47455	9/3/20	0.47966	9/11/20	0.47735	0.5479	W
Q0630	Cusick Creek	0.47390	9/3/20	0.47768	9/11/20	0.47560	0.4497	F
Q0631	Cusick Creek	0.47204	9/3/20	0.47889	9/11/20	0.47725	0.7606	P
Q0632	Cusick Creek	0.46808	9/3/20	0.47192	9/11/20	0.46919	0.2891	F
Q0633	Cusick Creek	0.47263	9/3/20	0.47623	9/11/20	0.47469	0.5722	W
I1	Easton 2015	0.42650	9/7/15	0.43198	9/15/15	0.42863	0.3887	
I10	Easton 2015	0.42752	9/9/15	0.43203	9/17/15	0.43049	0.6585	W
I11	Easton 2015	0.42069	9/9/15	0.42630	9/17/15	0.42415	0.6168	W
I12	Easton 2015	0.41868	9/9/15	0.42396	9/17/15	0.42143	0.5208	
I13	Easton 2015	0.42781	9/9/15	0.43196	9/17/15	0.43052	0.6530	W
I14	Easton 2015	0.42652	9/9/15	0.43370	9/17/15	0.43201	0.7646	P
I15	Easton 2015	0.42080	9/10/15	0.42515	9/18/15	0.42344	0.6069	
I16	Easton 2015	0.41842	9/10/15	0.42424	9/18/15	0.42207	0.6271	W
I17	Easton 2015	0.41894	9/10/15	0.42415	9/18/15	0.42317	0.8119	P
I18	Easton 2015	0.41899	9/10/15	0.42614	9/18/15	0.42364	0.6503	W
I19	Easton 2015	0.42806	9/10/15	0.43526	9/18/15	0.43404	0.8306	P
I2	Easton 2015	0.42612	9/7/15	0.43083	9/15/15	0.42887	0.5839	
I20	Easton 2015	0.42081	9/10/15	0.42781	9/18/15	0.42509	0.6114	W
I21	Easton 2015	0.42299	9/10/15	0.42875	9/18/15	0.42509	0.3646	F
I22	Easton 2015	0.41914	9/10/15	0.42436	9/18/15	0.42217	0.5805	W
I23	Easton 2015	0.42482	9/10/15	0.43023	9/18/15	0.42917	0.8041	P
I24	Easton 2015	0.41713	9/10/15	0.42217	9/18/15	0.42106	0.7798	P
I25	Easton 2015	0.41895	9/10/15	0.42492	9/18/15	0.42372	0.7990	P
I26	Easton 2015	0.41877	9/11/15	0.42379	9/19/15	0.42160	0.5637	W
I27	Easton 2015	0.41931	9/11/15	0.42666	9/19/15	0.42462	0.7224	P
I28	Easton 2015	0.42316	9/11/15	0.43022	9/19/15	0.42838	0.7394	
I29	Easton 2015	0.41949	9/11/15	0.42619	9/19/15	0.42489	0.8060	P
I3	Easton 2015	0.42712	9/7/15	0.43202	9/15/15	0.43110	0.8122	
I30	Easton 2015	0.42330	9/11/15	0.42827	9/19/15	0.42725	0.7948	
I31	Easton 2015	0.42447	9/11/15	0.43162	9/19/15	0.43002	0.7762	P
I32	Easton 2015	0.42050	9/11/15	0.42537	9/19/15	0.42282	0.4764	
I33	Easton 2015	0.42115	9/11/15	0.42830	9/19/15	0.42673	0.7804	P
I34	Easton 2015	0.41887	9/11/15	0.42560	9/19/15	0.42429	0.8053	P
I35	Easton 2015	0.42086	9/11/15	0.42705	9/19/15	0.42463	0.6090	W
I36	Easton 2015	0.41942	9/11/15	0.42698	9/19/15	0.42535	0.7844	P
I37	Easton 2015	0.41828	9/11/15	0.42563	9/19/15	0.42263	0.5918	W
I38	Easton 2015	0.41879	9/11/15	0.42550	9/19/15	0.42405	0.7839	P
I39	Easton 2015	0.42336	9/11/15	0.42951	9/19/15	0.42713	0.6130	W
I4	Easton 2015	0.42285	9/7/15	0.42731	9/15/15	0.42635	0.7848	P
I40	Easton 2015	0.42070	9/11/15	0.42732	9/19/15	0.42592	0.7885	P
I41	Easton 2015	0.42814	9/11/15	0.43488	9/19/15	0.43260	0.6617	W
I42	Easton 2015	0.42765	9/12/15	0.43449	9/20/15	0.43317	0.8070	
I43	Easton 2015	0.41926	9/12/15	0.42500	9/20/15	0.42339	0.7195	P

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I44	Easton 2015	0.42220	9/12/15	0.42902	9/20/15	0.42769	0.8050	P
I45	Easton 2015	0.42407	9/12/15	0.43169	9/20/15	0.42996	0.7730	
I46	Easton 2015	0.42280	9/12/15	0.42876	9/20/15	0.42729	0.7534	P
I47	Easton 2015	0.42346	9/12/15	0.43115	9/20/15	0.42829	0.6281	
I48	Easton 2015	0.41912	9/12/15	0.42527	9/20/15	0.42416	0.8195	P
I49	Easton 2015	0.41875	9/12/15	0.42492	9/20/15	0.42339	0.7520	P
I5	Easton 2015	0.42099	9/7/15	0.42561	9/15/15	0.42290	0.4134	
I50	Easton 2015	0.41735	9/12/15	0.42494	9/20/15	0.42324	0.7760	P
I51	Easton 2015	0.41966	9/12/15	0.42497	9/20/15	0.42376	0.7721	P
I52	Easton 2015	0.42442	9/15/15	0.43294	9/23/15	0.43123	0.7993	
I53	Easton 2015	0.42800	9/15/15	0.43193	9/23/15	0.43086	0.7277	P
I54	Easton 2015	0.42290	9/15/15	0.43162	9/23/15	0.42849	0.6411	
I55	Easton 2015	0.42603	9/15/15	0.43388	9/23/15	0.43160	0.7096	P
I56	Easton 2015	0.43051	9/15/15	0.43609	9/23/15	0.43351	0.5376	
I57	Easton 2015	0.42365	9/15/15	0.42946	9/23/15	0.42632	0.4596	
I58	Easton 2015	0.42765	9/15/15	0.43474	9/23/15	0.43036	0.3822	
I59	Easton 2015	0.42253	9/15/15	0.42693	9/23/15	0.42446	0.4386	
I6	Easton 2015	0.42072	9/9/15	0.42750	9/17/15	0.42658	0.8643	P
I60	Easton 2015	0.42431	9/15/15	0.42940	9/23/15	0.42635	0.4008	
I61	Easton 2015	0.42412	9/15/15	0.43029	9/23/15	0.42843	0.6985	
I62	Easton 2015	0.42753	9/15/15	0.43449	9/23/15	0.43255	0.7213	P
I63	Easton 2015	0.41937	9/15/15	0.42564	9/23/15	0.42378	0.7033	
I64	Easton 2015	0.42808	9/15/15	0.43338	9/23/15	0.43025	0.4094	
I65	Easton 2015	0.41916	9/15/15	0.42531	9/23/15	0.42164	0.4033	
I66	Easton 2015	0.42341	9/15/15	0.42877	9/23/15	0.42607	0.4963	
I67	Easton 2015	0.42352	9/16/15	0.42883	9/24/15	0.42618	0.5009	
I68	Easton 2015	0.42165	9/16/15	0.42558	9/24/15	0.42372	0.5267	
I69	Easton 2015	0.42104	9/16/15	0.42612	9/24/15	0.42290	0.3661	P
I7	Easton 2015	0.42811	9/9/15	0.43148	9/17/15	0.43040	0.6795	W
I70	Easton 2015	0.42627	9/16/15	0.42773	9/24/15	0.42685	0.3973	
I71	Easton 2015	0.42088	9/16/15	0.42392	9/24/15	0.42177	0.2928	
I72	Easton 2015	0.42298	9/16/15	0.42962	9/24/15	0.42576	0.4187	P
I73	Easton 2015	0.42141	9/16/15	0.42734	9/24/15	0.42368	0.3828	
I74	Easton 2015	0.42379	9/16/15	0.43063	9/24/15	0.42664	0.4167	
I75	Easton 2015	0.42316	9/16/15	0.42703	9/24/15	0.42489	0.4470	
I76	Easton 2015	0.41933	9/16/15	0.42554	9/24/15	0.42223	0.4670	
I77	Easton 2015	0.42708	9/16/15	0.43168	9/24/15	0.42857	0.3239	
I78	Easton 2015	0.42690	9/16/15	0.43353	9/24/15	0.42919	0.3454	
I8	Easton 2015	0.41880	9/9/15	0.42410	9/17/15	0.42216	0.6340	W
I80	Easton 2015	0.42429	9/16/15	0.42954	9/24/15	0.42661	0.4419	P
I81	Easton 2015	0.42465	9/17/15	0.43031	9/25/15	0.42689	0.3958	P
I82	Easton 2015	0.42773	9/17/15	0.43030	9/25/15	0.42959	0.7237	P
I83	Easton 2015	0.42663	9/17/15	0.43126	9/25/15	0.42958	0.6371	P
I84	Easton 2015	0.42479	9/17/15	0.43229	9/25/15	0.43071	0.7893	P
I85	Easton 2015	0.42462	9/17/15	0.43044	9/25/15	0.42922	0.7904	P
I86	Easton 2015	0.42801	9/17/15	0.43198	9/25/15	0.43105	0.7657	P
I87	Easton 2015	0.42448	9/17/15	0.43078	9/25/15	0.42888	0.6984	
I88	Easton 2015	0.42131	9/17/15	0.42727	9/25/15	0.42581	0.7550	P
I89	Easton 2015	0.42411	9/17/15	0.42883	9/25/15	0.42766	0.7521	P

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I9	Easton 2015	0.42707	9/9/15	0.43156	9/17/15	0.43058	0.7817	P
I90	Easton 2015	0.42121	9/17/15	0.42651	9/25/15	0.42507	0.7283	P
I91	Easton 2015	0.42417	9/17/15	0.42772	9/25/15	0.42686	0.7577	P
I92	Easton 2015	0.42748	9/17/15	0.43143	9/25/15	0.42907	0.4025	F
I93	Easton 2015	0.42111	9/18/15	0.42709	9/26/15	0.42595	0.8094	P
I94	Easton 2015	0.42447	9/18/15	0.42703	9/26/15	0.42641	0.7578	
I95	Easton 2015	0.42605	9/18/15	0.43202	9/26/15	0.42850	0.4104	
I96	Easton 2015	0.42448	9/18/15	0.42991	9/26/15	0.42655	0.3812	
I97	Easton 2015	0.42418	9/18/15	0.42821	9/26/15	0.42685	0.6625	
I98	Easton 2015	0.42683	9/18/15	0.43080	9/26/15	0.42977	0.7406	
EAL001	Easton 2018	0.42395	9/10/18	0.42879	9/18/18	0.42662	0.5517	W
EAL002	Easton 2018	0.42209	9/10/18	0.42967	9/18/18	0.42746	0.7084	P
EAL003	Easton 2018	0.42762	9/10/18	0.43312	9/18/18	0.43095	0.6055	F
EAL004	Easton 2018	0.42136	9/10/18	0.42554	9/18/18	0.42362	0.5407	W
EAL005	Easton 2018	0.42415	9/10/18	0.43047	9/18/18	0.42775	0.5696	W
EAL006	Easton 2018	0.42541	9/10/18	0.43138	9/18/18	0.42879	0.5662	W
EAL007	Easton 2018	0.41885	9/10/18	0.42349	9/18/18	0.42243	0.7716	P
EAL008	Easton 2018	0.42413	9/10/18	0.43024	9/18/18	0.42879	0.7627	P
EAL009	Easton 2018	0.42466	9/10/18	0.42999	9/18/18	0.42746	0.5253	W
EAL010	Easton 2018	0.42299	9/10/18	0.42960	9/18/18	0.42776	0.7216	P
EAL011	Easton 2018	0.42437	9/10/18	0.43018	9/18/18	0.42724	0.4940	W
EAL012	Easton 2018	0.42224	9/10/18	0.42796	9/18/18	0.42547	0.5647	W
EAL013	Easton 2018	0.42072	9/10/18	0.42603	9/18/18	0.42365	0.5518	W
EAL014	Easton 2018	0.45585	9/10/18	0.46251	9/18/18	0.46096	0.7673	P
EAL015	Easton 2018	0.42229	9/10/18	0.42808	9/18/18	0.42658	0.7409	P
EAL016	Easton 2018	0.46746	9/10/18	0.47411	9/18/18	0.47239	0.7414	P
EAL017	Easton 2018	0.42435	9/10/18	0.42969	9/18/18	0.42732	0.5562	W
EAL018	Easton 2018	0.42372	9/10/18	0.42981	9/18/18	0.42742	0.6076	W
EAL019	Easton 2018	0.42100	9/10/18	0.42611	9/18/18	0.42482	0.7476	P
EAL020	Easton 2018	0.42156	9/10/18	0.42602	9/18/18	0.42498	0.7668	P
EAL021	Easton 2018	0.42330	9/10/18	0.42840	9/18/18	0.42586	0.5020	W
EAL022	Easton 2018	0.44323	9/10/18	0.44817	9/18/18	0.44594	0.5486	W
EAL023	Easton 2018	0.42159	9/10/18	0.42691	9/18/18	0.42527	0.6917	P
EAL024	Easton 2018	0.42505	9/10/18	0.42895	9/18/18	0.42694	0.4846	W
EAL025	Easton 2018	0.45587	9/11/18	0.46064	9/19/18	0.45840	0.5304	W
EAL026	Easton 2018	0.46798	9/11/18	0.47321	9/19/18	0.47086	0.5507	W
EAL027	Easton 2018	0.42106	9/11/18	0.42410	9/19/18	0.42299	0.6349	W
EAL028	Easton 2018	0.45588	9/11/18	0.46286	9/19/18	0.46077	0.7006	P
EAL029	Easton 2018	0.46769	9/11/18	0.47370	9/19/18	0.47209	0.7321	P
EAL030	Easton 2018	0.42226	9/11/18	0.42772	9/19/18	0.42609	0.7015	P
EAL031	Easton 2018	0.42265	9/11/18	0.43023	9/19/18	0.42777	0.6755	W
EAL032	Easton 2018	0.45582	9/11/18	0.46116	9/19/18	0.45851	0.5037	W
EAL033	Easton 2018	0.41897	9/11/18	0.42539	9/19/18	0.42374	0.7430	P
EAL034	Easton 2018	0.42149	9/11/18	0.42752	9/19/18	0.42466	0.5257	W
EAL035	Easton 2018	0.42171	9/11/18	0.42712	9/19/18	0.42451	0.5176	W
EAL036	Easton 2018	0.42665	9/11/18	0.43071	9/19/18	0.42877	0.5222	W
EAL037	Easton 2018	0.32074	9/11/18	0.42856	9/19/18	0.42549	0.9715	F
EAL038	Easton 2018	0.42101	9/11/18	0.42692	9/19/18	0.42415	0.5313	W

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EAL039	Easton 2018	0.42048	9/11/18	0.42718	9/19/18	0.42572	0.7821	P
EAL040	Easton 2018	0.42155	9/11/18	0.42826	9/19/18	0.42678	0.7794	P
EAL041	Easton 2018	0.42103	9/11/18	0.42836	9/19/18	0.42547	0.6057	P
EAL042	Easton 2018	0.45566	9/11/18	0.46136	9/19/18	0.45905	0.5947	W
EAL043	Easton 2018	0.41816	9/11/18	0.42226	9/19/18	0.42132	0.7707	P
EAL044	Easton 2018	0.42133	9/12/18	0.42818	9/20/18	0.42643	0.7445	P
EAL045	Easton 2018	0.46743	9/12/18	0.47478	9/20/18	0.47303	0.7619	P
EAL046	Easton 2018	0.42804	9/12/18	0.43655	9/20/18	0.43412	0.7145	P
EAL047	Easton 2018	0.42283	9/12/18	0.43144	9/20/18	0.42890	0.7050	P
EAL048	Easton 2018	0.42308	9/12/18	0.43085	9/20/18	0.42870	0.7233	P
EAL049	Easton 2018	0.42530	9/12/18	0.43127	9/20/18	0.42969	0.7353	P
EAL050	Easton 2018	0.42050	9/12/18	0.43004	9/20/18	0.42719	0.7013	P
EAL051	Easton 2018	0.46760	9/12/18	0.47391	9/20/18	0.47203	0.7021	F
EAL052	Easton 2018	0.41893	9/12/18	0.42312	9/20/18	0.42220	0.7804	P
EAL053	Easton 2018	0.42803	9/12/18	0.43567	9/20/18	0.43345	0.7094	P
EAL054	Easton 2018	0.41872	9/12/18	0.42490	9/20/18	0.42231	0.5809	W
EAL055	Easton 2018	0.45565	9/12/18	0.46219	9/20/18	0.45914	0.5336	W
EAL056	Easton 2018	0.46747	9/12/18	0.47495	9/20/18	0.47322	0.7687	P
EAL057	Easton 2018	0.42282	9/12/18	0.42804	9/20/18	0.42658	0.7203	P
EAL058	Easton 2018	0.42063	9/12/18	0.42617	9/20/18	0.42388	0.5866	W
EAL059	Easton 2018	0.45585	9/12/18	0.46351	9/20/18	0.46055	0.6136	W
EAL060	Easton 2018	0.41896	9/12/18	0.42428	9/20/18	0.42209	0.5883	W
EAL061	Easton 2018	0.42240	9/12/18	0.43060	9/20/18	0.42802	0.6854	P
EAL062	Easton 2018	0.41928	9/12/18	0.42445	9/20/18	0.42185	0.4971	W
EAL063	Easton 2018	0.42209	9/12/18	0.42901	9/20/18	0.42713	0.7283	P
EAL064	Easton 2018	0.42662	9/12/18	0.43231	9/20/18	0.43096	0.7627	P
EAL065	Easton 2018	0.42763	9/12/18	0.43536	9/20/18	0.43335	0.7400	P
EAL066	Easton 2018	0.41898	9/13/18	0.42691	9/21/18	0.42503	0.7629	P
EAL067	Easton 2018	0.42247	9/13/18	0.42896	9/21/18	0.42740	0.7596	P
EAL068	Easton 2018	0.42755	9/13/18	0.43533	9/21/18	0.43377	0.7995	P
EAL069	Easton 2018	0.42781	9/13/18	0.43673	9/21/18	0.43480	0.7836	P
EAL070	Easton 2018	0.42770	9/13/18	0.43384	9/21/18	0.43252	0.7850	P
EAL071	Easton 2018	0.45584	9/13/18	0.46205	9/21/18	0.46046	0.7440	P
EAL072	Easton 2018	0.42790	9/13/18	0.43188	9/21/18	0.43026	0.5930	W
EAL073	Easton 2018	0.42376	9/13/18	0.43027	9/21/18	0.42855	0.7358	P
EAL074	Easton 2018	0.41928	9/13/18	0.42867	9/21/18	0.42635	0.7529	P
EAL075	Easton 2018	0.44366	9/13/18	0.45272	9/21/18	0.45049	0.7539	P
EAL076	Easton 2018	0.42299	9/13/18	0.42863	9/21/18	0.42618	0.5656	W
EAL077	Easton 2018	0.42139	9/13/18	0.42730	9/21/18	0.42463	0.5482	W
EAL078	Easton 2018	0.42566	9/13/18	0.43134	9/21/18	0.43006	0.7746	P
EAL079	Easton 2018	0.42168	9/13/18	0.43052	9/21/18	0.42833	0.7523	P
EAL080	Easton 2018	0.41947	9/13/18	0.42469	9/21/18	0.42276	0.6303	W
EAL081	Easton 2018	0.42805	9/13/18	0.43600	9/21/18	0.43397	0.7447	P
EAL082	Easton 2018	0.42351	9/13/18	0.42940	9/21/18	0.42684	0.5654	W
EAL083	Easton 2018	0.42407	9/13/18	0.42907	9/21/18	0.42700	0.5860	W
EAL084	Easton 2018	0.41922	9/13/18	0.42587	9/21/18	0.42441	0.7805	P
EAL085	Easton 2018	0.42303	9/13/18	0.42905	9/21/18	0.42756	0.7525	P
EAL086	Easton 2018	0.42144	9/13/18	0.42788	9/21/18	0.42567	0.6568	W
EAL087	Easton 2018	0.45593	9/13/18	0.46425	9/21/18	0.46223	0.7572	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
EAL088	Easton 2018	0.42566	9/13/18	0.43375	9/21/18	0.43175	0.7528	P
EAL089	Easton 2018	0.42814	9/13/18	0.43659	9/21/18	0.43455	0.7586	P
EAL090	Easton 2018	0.45575	9/13/18	0.46097	9/21/18	0.45869	0.5632	W
EAL091	Easton 2018	0.46758	9/13/18	0.47304	9/21/18	0.47099	0.6245	W
EAL092	Easton 2018	0.42266	9/13/18	0.42927	9/21/18	0.42783	0.7821	P
EAL093	Easton 2018	0.42237	9/13/18	0.42998	9/21/18	0.42820	0.7661	P
EAL094	Easton 2018	0.42704	9/13/18	0.43273	9/21/18	0.43038	0.5870	W
EAL095	Easton 2018	0.46776	9/14/18	0.47376	9/22/18	0.47200	0.7067	P
EAL096	Easton 2018	0.45595	9/14/18	0.46505	9/22/18	0.46267	0.7385	P
EAL097	Easton 2018	0.46817	9/14/18	0.47566	9/22/18	0.47390	0.7650	P
EAL098	Easton 2018	0.42350	9/14/18	0.43051	9/22/18	0.42887	0.7660	P
EAL099	Easton 2018	0.42862	9/14/18	0.43536	9/22/18	0.43384	0.7745	P
EAL100	Easton 2018	0.42355	9/14/18	0.42956	9/22/18	0.42813	0.7621	P
WIL001	Ebey's Landing	0.41859	8/29/17	0.42564	9/6/17	0.42385	0.7461	P
WIL002	Ebey's Landing	0.42808	8/29/17	0.43223	9/6/17	0.43052	0.5880	
WIL003	Ebey's Landing	0.42052	8/29/17	0.42562	9/6/17	0.42434	0.7490	
WIL004	Ebey's Landing	0.41887	8/29/17	0.42290	9/6/17	0.42081	0.4814	
WIL005	Ebey's Landing	0.42766	8/29/17	0.43090	9/6/17	0.43026	0.8025	
WIL006	Ebey's Landing	0.42396	8/29/17	0.42657	9/6/17	0.42625	0.8774	
WIL007	Ebey's Landing	0.41930	8/30/17	0.42625	9/7/17	0.42458	0.7597	
WIL008	Ebey's Landing	0.42464	8/30/17	0.42894	9/7/17	0.42795	0.7698	
WIL009	Ebey's Landing	0.42085	8/30/17	0.42603	9/7/17	0.42372	0.5541	
WIL010	Ebey's Landing	0.42495	8/30/17	0.42908	9/7/17	0.42803	0.7458	
WIL011	Ebey's Landing	0.41800	8/30/17	0.42185	9/7/17	0.42005	0.5325	
WIL012	Ebey's Landing	0.41840	8/30/17	0.42194	9/7/17	0.42059	0.6186	W
WIL013	Ebey's Landing	0.41819	8/31/17	0.42280	9/8/17	0.42149	0.7158	
WIL014	Ebey's Landing	0.42414	8/31/17	0.42897	9/8/17	0.42772	0.7412	
WIL015	Ebey's Landing	0.42782	8/31/17	0.43203	9/8/17	0.43098	0.7506	
WIL016	Ebey's Landing	0.42756	8/31/17	0.43215	9/8/17	0.43013	0.5599	
WIL017	Ebey's Landing	0.41908	8/31/17	0.42172	9/8/17	0.42059	0.5720	
WIL018	Ebey's Landing	0.41713	8/31/17	0.42197	9/8/17	0.41974	0.5393	W
WIL019	Ebey's Landing	0.41647	8/31/17	0.41984	9/8/17	0.41891	0.7240	
WIL020	Ebey's Landing	0.42318	8/31/17	0.42687	9/8/17	0.42512	0.5257	
WIL021	Ebey's Landing	0.43053	8/31/17	0.43533	9/8/17	0.43309	0.5333	
WIL022	Ebey's Landing	0.42314	8/31/17	0.42573	9/8/17	0.42464	0.5792	
WIL023	Ebey's Landing	0.42417	8/31/17	0.42969	9/8/17	0.42840	0.7663	
WIL024	Ebey's Landing	0.42107	8/31/17	0.42563	9/8/17	0.42363	0.5614	
WIL027	Ebey's Landing	0.42000	8/31/17	0.43242	9/8/17	0.42297	0.2391	P
WIL029	Ebey's Landing	0.42134	9/1/17	0.42698	9/9/17	0.42544	0.7270	
WIL030	Ebey's Landing	0.42054	9/1/17	0.42419	9/9/17	0.42325	0.7425	
WIL031	Ebey's Landing	0.41800	9/1/17	0.42215	9/9/17	0.42047	0.5952	W
WIL032	Ebey's Landing	0.41961	9/1/17	0.42644	9/9/17	0.42467	0.7408	
WIL033	Ebey's Landing	0.41759	9/1/17	0.42085	9/9/17	0.41999	0.7362	
WIL034	Ebey's Landing	0.42627	9/1/17	0.43154	9/9/17	0.42907	0.5313	
WIL035	Ebey's Landing	0.41963	9/1/17	0.42455	9/9/17	0.42231	0.5447	W
WIL036	Ebey's Landing	0.41864	9/1/17	0.42425	9/9/17	0.42280	0.7415	P
WIL037	Ebey's Landing	0.42044	9/1/17	0.42479	9/9/17	0.42304	0.5977	
WIL038	Ebey's Landing	0.42043	9/1/17	0.42417	9/9/17	0.42261	0.5829	

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
WIL039	Ebey's Landing	0.41677	9/1/17	0.41768	9/9/17	0.41712	0.3846	
WIL040	Ebey's Landing	0.41807	9/1/17	0.42447	9/9/17	0.42267	0.7187	P
WIL041	Ebey's Landing	0.43021	9/1/17	0.43630	9/9/17	0.43489	0.7685	
WIL042	Ebey's Landing	0.42688	9/1/17	0.43445	9/9/17	0.43260	0.7556	P
WIL043	Ebey's Landing	0.42113	9/1/17	0.42444	9/9/17	0.42354	0.7281	
WIL044	Ebey's Landing	0.42393	9/1/17	0.42959	9/9/17	0.42859	0.8233	
WIL045	Ebey's Landing	0.42430	9/1/17	0.42686	9/9/17	0.42575	0.5664	
WIL046	Ebey's Landing	0.41866	9/1/17	0.42208	9/9/17	0.42042	0.5146	W
WIL047	Ebey's Landing	0.42048	9/1/17	0.42300	9/9/17	0.42200	0.6032	
WIL048	Ebey's Landing	0.41828	9/2/17	0.42207	9/10/17	0.42099	0.7150	P
WIL049	Ebey's Landing	0.41772	9/2/17	0.42205	9/10/17	0.42113	0.7875	P
WIL050	Ebey's Landing	0.42682	9/2/17	0.43049	9/10/17	0.42961	0.7602	P
WIL051	Ebey's Landing	0.42211	9/2/17	0.42531	9/10/17	0.42384	0.5406	
WIL052	Ebey's Landing	0.41982	9/2/17	0.42369	9/10/17	0.42232	0.6460	P
WIL053	Ebey's Landing	0.42197	9/2/17	0.42535	9/10/17	0.42407	0.6213	
WIL054	Ebey's Landing	0.42634	9/2/17	0.42771	9/10/17	0.42712	0.5693	W
WIL055	Ebey's Landing	0.42992	9/2/17	0.43368	9/10/17	0.43287	0.7846	P
WIL056	Ebey's Landing	0.42048	9/2/17	0.42616	9/10/17	0.42491	0.7799	P
WIL057	Ebey's Landing	0.42978	9/2/17	0.43309	9/10/17	0.43234	0.7734	
WIL058	Ebey's Landing	0.41872	9/2/17	0.42305	9/10/17	0.42194	0.7436	
WIL059	Ebey's Landing	0.41818	9/2/17	0.42253	9/10/17	0.42115	0.6828	
WIL060	Ebey's Landing	0.42215	9/2/17	0.42673	9/10/17	0.42545	0.7205	
WIL061	Ebey's Landing	0.41977	9/2/17	0.42365	9/10/17	0.42216	0.6160	
WIL062	Ebey's Landing	0.43073	9/2/17	0.43477	9/10/17	0.43394	0.7946	
WIL063	Ebey's Landing	0.41672	9/2/17	0.42145	9/10/17	0.42009	0.7125	
WIL064	Ebey's Landing	0.43048	9/2/17	0.43357	9/10/17	0.43244	0.6343	W
WIL065	Ebey's Landing	0.42260	9/2/17	0.42523	9/10/17	0.42419	0.6046	
WIL066	Ebey's Landing	0.42201	9/2/17	0.42503	9/10/17	0.42376	0.5795	W
WIL067	Ebey's Landing	0.41737	9/3/17	0.42196	9/11/17	0.41913	0.3834	
WIL068	Ebey's Landing	0.42059	9/3/17	0.42334	9/11/17	0.42217	0.5745	
WIL069	Ebey's Landing	0.41638	9/3/17	0.41984	9/11/17	0.41882	0.7052	
WIL070	Ebey's Landing	0.42221	9/3/17	0.42637	9/11/17	0.42462	0.5793	W
WIL071	Ebey's Landing	0.42773	9/3/17	0.43206	9/11/17	0.43102	0.7598	
WIL072	Ebey's Landing	0.42769	9/3/17	0.43122	9/11/17	0.42893	0.3513	
WIL073	Ebey's Landing	0.41984	9/3/17	0.42291	9/11/17	0.42201	0.7068	
WIL074	Ebey's Landing	0.41900	9/3/17	0.42200	9/11/17	0.42129	0.7633	
WIL075	Ebey's Landing	0.41833	9/3/17	0.42264	9/11/17	0.42169	0.7796	
WIL076	Ebey's Landing	0.42340	9/3/17	0.42814	9/11/17	0.42596	0.5401	
WIL077	Ebey's Landing	0.41839	9/3/17	0.42161	9/11/17	0.42045	0.6398	
WIL078	Ebey's Landing	0.41829	9/3/17	0.42419	9/11/17	0.42265	0.7390	
WIL079	Ebey's Landing	0.42089	9/3/17	0.42771	9/11/17	0.42615	0.7713	
WIL080	Ebey's Landing	0.41973	9/3/17	0.42329	9/11/17	0.42216	0.6826	
WIL081	Ebey's Landing	0.41853	9/3/17	0.42349	9/11/17	0.42241	0.7823	P
WIL082	Ebey's Landing	0.42701	9/4/17	0.43529	9/12/17	0.43323	0.7512	
WIL083	Ebey's Landing	0.41940	9/4/17	0.42364	9/12/17	0.42236	0.6981	
WIL084	Ebey's Landing	0.42052	9/4/17	0.42478	9/12/17	0.42291	0.5610	
WIL085	Ebey's Landing	0.41804	9/4/17	0.42325	9/12/17	0.42201	0.7620	
WIL086	Ebey's Landing	0.41884	9/4/17	0.42253	9/12/17	0.42109	0.6098	
WIL087	Ebey's Landing	0.42212	9/4/17	0.42723	9/12/17	0.42580	0.7202	

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WIL088	Ebey's Landing	0.43020	9/4/17	0.43590	9/12/17	0.43369	0.6123	W
WIL089	Ebey's Landing	0.42227	9/4/17	0.42537	9/12/17	0.42442	0.6935	
WIL090	Ebey's Landing	0.41843	9/4/17	0.42306	9/12/17	0.42101	0.5572	
WIL091	Ebey's Landing	0.42392	9/4/17	0.42895	9/12/17	0.42776	0.7634	
WIL092	Ebey's Landing	0.42234	9/4/17	0.42570	9/12/17	0.42425	0.5685	
WIL093	Ebey's Landing	0.42805	9/4/17	0.43049	9/12/17	0.42961	0.6393	W
WIL094	Ebey's Landing	0.42031	9/4/17	0.42461	9/12/17	0.42270	0.5558	W
WIL095	Ebey's Landing	0.41830	9/4/17	0.42260	9/12/17	0.42151	0.7465	
WIL096	Ebey's Landing	0.41848	9/4/17	0.42168	9/12/17	0.42003	0.4844	
WIL097	Ebey's Landing	0.42176	9/4/17	0.42612	9/12/17	0.42503	0.7500	
WIL098	Ebey's Landing	0.41903	9/4/17	0.42202	9/12/17	0.42159	0.8562	
WIL099	Ebey's Landing	0.41887	9/4/17	0.42091	9/12/17	0.41991	0.5098	
WIL100	Ebey's Landing	0.42783	9/4/17	0.43162	9/12/17	0.42929	0.3852	
E1	Ellensburg 2015	0.42800	9/7/15	0.43372	9/15/15	0.43272	0.8252	P
E10	Ellensburg 2015	0.42644	9/9/15	0.43209	9/17/15	0.43084	0.7788	P
E11	Ellensburg 2015	0.41989	9/9/15	0.42380	9/17/15	0.42287	0.7621	P
E12	Ellensburg 2015	0.42427	9/9/15	0.43051	9/17/15	0.42919	0.7885	
E13	Ellensburg 2015	0.42817	9/9/15	0.43246	9/17/15	0.43129	0.7273	P
E14	Ellensburg 2015	0.42627	9/9/15	0.43381	9/17/15	0.43254	0.8316	P
E15	Ellensburg 2015	0.42837	9/10/15	0.43480	9/18/15	0.43295	0.7123	
E16	Ellensburg 2015	0.41881	9/10/15	0.42511	9/18/15	0.42407	0.8349	
E17	Ellensburg 2015	0.42265	9/10/15	0.42802	9/18/15	0.42690	0.7914	P
E18	Ellensburg 2015	0.41885	9/10/15	0.42405	9/18/15	0.42307	0.8115	P
E19	Ellensburg 2015	0.41701	9/10/15	0.42049	9/18/15	0.41881	0.5172	F
E2	Ellensburg 2015	0.42387	9/7/15	0.43212	9/15/15	0.42713	0.3952	
E20	Ellensburg 2015	0.43071	9/10/15	0.43549	9/18/15	0.43365	0.6151	W
E21	Ellensburg 2015	0.41842	9/10/15	0.42529	9/18/15	0.42349	0.7380	P
E22	Ellensburg 2015	0.41876	9/10/15	0.42157	9/18/15	0.42065	0.6726	F
E23	Ellensburg 2015	0.42648	9/10/15	0.43087	9/18/15	0.42798	0.3417	F
E24	Ellensburg 2015	0.42049	9/11/15	0.42722	9/19/15	0.42571	0.7756	P
E25	Ellensburg 2015	0.42419	9/11/15	0.43206	9/19/15	0.43032	0.7789	P
E26	Ellensburg 2015	0.42817	9/11/15	0.43498	9/19/15	0.43096	0.4097	
E27	Ellensburg 2015	0.42291	9/11/15	0.42846	9/19/15	0.42692	0.7225	
E28	Ellensburg 2015	0.42132	9/11/15	0.42918	9/19/15	0.42731	0.7621	P
E29	Ellensburg 2015	0.42801	9/11/15	0.43455	9/19/15	0.43328	0.8058	P
E3	Ellensburg 2015	0.43069	9/7/15	0.43871	9/15/15	0.43737	0.8329	P
E30	Ellensburg 2015	0.42135	9/11/15	0.42625	9/19/15	0.42470	0.6837	
E31	Ellensburg 2015	0.42310	9/12/15	0.43024	9/20/15	0.42829	0.7269	P
E32	Ellensburg 2015	0.41934	9/12/15	0.42301	9/20/15	0.42119	0.5041	
E33	Ellensburg 2015	0.42109	9/12/15	0.42935	9/20/15	0.42762	0.7906	P
E34	Ellensburg 2015	0.42285	9/12/15	0.42697	9/20/15	0.42570	0.6917	
E35	Ellensburg 2015	0.41963	9/12/15	0.42709	9/20/15	0.42535	0.7668	P
E36	Ellensburg 2015	0.41714	9/15/15	0.42296	9/23/15	0.42173	0.7887	P
E37	Ellensburg 2015	0.42607	9/15/15	0.43127	9/23/15	0.42801	0.3731	
E38	Ellensburg 2015	0.42759	9/15/15	0.43441	9/23/15	0.43193	0.6364	
E39	Ellensburg 2015	0.41942	9/15/15	0.42584	9/23/15	0.42361	0.6526	P
E4	Ellensburg 2015	0.42252	9/7/15	0.42845	9/15/15	0.42729	0.8044	P
E40	Ellensburg 2015	0.43077	9/15/15	0.43789	9/23/15	0.43617	0.7584	P

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E41	Ellensburg 2015	0.42092	9/16/15	0.42534	9/24/15	0.42387	0.6674	P
E42	Ellensburg 2015	0.42748	9/16/15	0.43159	9/24/15	0.42943	0.4745	
E43	Ellensburg 2015	0.42089	9/16/15	0.42482	9/24/15	0.42338	0.6336	
E44	Ellensburg 2015	0.42622	9/16/15	0.43112	9/24/15	0.42781	0.3245	
E45	Ellensburg 2015	0.42629	9/16/15	0.43146	9/24/15	0.42984	0.6867	P
E46	Ellensburg 2015	0.42595	9/16/15	0.43170	9/24/15	0.42992	0.6904	P
E47	Ellensburg 2015	0.42633	9/16/15	0.43001	9/24/15	0.42975	0.9293	
E48	Ellensburg 2015	0.42143	9/17/15	0.42478	9/25/15	0.42340	0.5881	
E49	Ellensburg 2015	0.42471	9/17/15	0.43011	9/25/15	0.42874	0.7463	P
E5	Ellensburg 2015	0.42628	9/7/15	0.43299	9/15/15	0.43175	0.8152	P
E50	Ellensburg 2015	0.42301	9/17/15	0.42983	9/25/15	0.42549	0.3636	
E51	Ellensburg 2015	0.42108	9/18/15	0.42756	9/26/15	0.42652	0.8395	P
E52	Ellensburg 2015	0.42332	9/18/15	0.42992	9/26/15	0.42867	0.8106	
E53	Ellensburg 2015	0.42413	9/18/15	0.42921	9/26/15	0.42816	0.7933	P
E55	Ellensburg 2015	0.42649	9/18/15	0.43403	9/26/15	0.43248	0.7944	P
E56	Ellensburg 2015	0.42407	9/20/15	0.42991	9/28/15	0.42889	0.8253	P
E57	Ellensburg 2015	0.42063	9/20/15	0.42724	9/28/15	0.42343	0.4236	
E58	Ellensburg 2015	0.42768	9/20/15	0.43235	9/28/15	0.42964	0.4197	
E59	Ellensburg 2015	0.42427	9/20/15	0.43008	9/28/15	0.42900	0.8141	P
E6	Ellensburg 2015	0.42411	9/8/15	0.43163	9/16/15	0.43027	0.8191	P
E60	Ellensburg 2015	0.42774	9/20/15	0.43285	9/28/15	0.43200	0.8337	P
E61	Ellensburg 2015	0.42283	9/20/15	0.42838	9/28/15	0.42734	0.8126	P
E7	Ellensburg 2015	0.41722	9/8/15	0.42333	9/16/15	0.41977	0.4173	
E8	Ellensburg 2015	0.43060	9/8/15	0.43611	9/16/15	0.43265	0.3721	
E9	Ellensburg 2015	0.42727	9/8/15	0.43103	9/16/15	0.43041	0.8351	P
EBL001	Ellensburg 2018	0.42219	9/11/18	0.42983	9/19/18	0.42767	0.7173	P
EBL002	Ellensburg 2018	0.42220	9/11/18	0.42850	9/19/18	0.42695	0.7540	P
EBL003	Ellensburg 2018	0.42251	9/11/18	0.42848	9/19/18	0.42584	0.5578	W
EBL004	Ellensburg 2018	0.46729	9/11/18	0.47132	9/19/18	0.46957	0.5658	W
EBL005	Ellensburg 2018	0.42047	9/11/18	0.42624	9/19/18	0.42360	0.5425	W
EBL006	Ellensburg 2018	0.42675	9/11/18	0.43305	9/19/18	0.43001	0.5175	W
EBL007	Ellensburg 2018	0.42118	9/11/18	0.42710	9/19/18	0.42421	0.5118	W
EBL008	Ellensburg 2018	0.42219	9/11/18	0.42781	9/19/18	0.42500	0.5000	W
EBL009	Ellensburg 2018	0.42538	9/11/18	0.43244	9/19/18	0.42920	0.5411	W
EBL010	Ellensburg 2018	0.42262	9/11/18	0.43213	9/19/18	0.42960	0.7340	P
EBL011	Ellensburg 2018	0.41813	9/11/18	0.42396	9/19/18	0.42132	0.5472	W
EBL012	Ellensburg 2018	0.46858	9/11/18	0.47228	9/19/18	0.47026	0.4541	F
EBL013	Ellensburg 2018	0.45549	9/11/18	0.46155	9/19/18	0.45872	0.5330	W
EBL014	Ellensburg 2018	0.41806	9/11/18	0.42594	9/19/18	0.42218	0.5228	W
EBL015	Ellensburg 2018	0.45545	9/11/18	0.46085	9/19/18	0.45810	0.4907	W
EBL016	Ellensburg 2018	0.42177	9/11/18	0.42681	9/19/18	0.42464	0.5694	W
EBL017	Ellensburg 2018	0.42290	9/11/18	0.42971	9/19/18	0.42693	0.5918	W
EBL018	Ellensburg 2018	0.41789	9/11/18	0.42569	9/19/18	0.42335	0.7000	P
EBL019	Ellensburg 2018	0.42780	9/11/18	0.43291	9/19/18	0.43042	0.5127	W
EBL020	Ellensburg 2018	0.44339	9/11/18	0.44836	9/19/18	0.44543	0.4105	F
EBL021	Ellensburg 2018	0.42235	9/12/18	0.43032	9/20/18	0.42797	0.7051	P
EBL022	Ellensburg 2018	0.41799	9/12/18	0.42538	9/20/18	0.42278	0.6482	W
EBL023	Ellensburg 2018	0.42077	9/12/18	0.42649	9/20/18	0.42399	0.5629	W

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EBL024	Ellensburg 2018	0.42114	9/12/18	0.42703	9/20/18	0.42509	0.6706	F
EBL025	Ellensburg 2018	0.46772	9/12/18	0.47554	9/20/18	0.47381	0.7788	P
EBL026	Ellensburg 2018	0.42226	9/12/18	0.43083	9/20/18	0.42877	0.7596	P
EBL027	Ellensburg 2018	0.45565	9/12/18	0.46055	9/20/18	0.45812	0.5041	W
EBL028	Ellensburg 2018	0.45560	9/12/18	0.46164	9/20/18	0.45925	0.6043	W
EBL029	Ellensburg 2018	0.42239	9/13/18	0.42964	9/21/18	0.42792	0.7628	P
EBL030	Ellensburg 2018	0.42783	9/13/18	0.43587	9/21/18	0.43443	0.8209	P
EBL031	Ellensburg 2018	0.44340	9/13/18	0.45135	9/21/18	0.44958	0.7774	P
EBL032	Ellensburg 2018	0.46781	9/13/18	0.47400	9/21/18	0.47171	0.6300	W
EBL033	Ellensburg 2018	0.42383	9/13/18	0.43069	9/21/18	0.42917	0.7784	P
EBL034	Ellensburg 2018	0.41884	9/13/18	0.42579	9/21/18	0.42446	0.8086	P
EBL035	Ellensburg 2018	0.42136	9/13/18	0.42656	9/21/18	0.42424	0.5538	P
EBL036	Ellensburg 2018	0.42237	9/13/18	0.42832	9/21/18	0.42584	0.5832	W
EBL037	Ellensburg 2018	0.42828	9/13/18	0.43217	9/21/18	0.43069	0.6195	W
EBL038	Ellensburg 2018	0.42121	9/13/18	0.42552	9/21/18	0.42405	0.6589	P
EBL039	Ellensburg 2018	0.42346	9/13/18	0.42975	9/21/18	0.42819	0.7520	P
EBL040	Ellensburg 2018	0.42233	9/13/18	0.42851	9/21/18	0.42595	0.5858	W
EBL041	Ellensburg 2018	0.42262	9/13/18	0.42827	9/21/18	0.42602	0.6018	W
EBL042	Ellensburg 2018	0.42337	9/13/18	0.43478	9/21/18	0.43233	0.7853	P
EBL043	Ellensburg 2018	0.42262	9/13/18	0.42843	9/21/18	0.42595	0.5731	W
EBL044	Ellensburg 2018	0.42271	9/13/18	0.42801	9/21/18	0.42572	0.5679	W
EBL045	Ellensburg 2018	0.42277	9/13/18	0.42779	9/21/18	0.42556	0.5558	W
EBL046	Ellensburg 2018	0.42668	9/13/18	0.43294	9/21/18	0.43013	0.5511	W
EBL047	Ellensburg 2018	0.42205	9/13/18	0.42955	9/21/18	0.42763	0.7440	P
EBL048	Ellensburg 2018	0.42227	9/13/18	0.42843	9/21/18	0.42532	0.4951	W
EBL049	Ellensburg 2018	0.44414	9/13/18	0.45068	9/21/18	0.44902	0.7462	P
EBL050	Ellensburg 2018	0.42812	9/13/18	0.43335	9/21/18	0.43206	0.7533	P
EBL051	Ellensburg 2018	0.45565	9/13/18	0.46243	9/21/18	0.46069	0.7434	P
EBL052	Ellensburg 2018	0.42248	9/13/18	0.43054	9/21/18	0.42886	0.7916	P
EBL053	Ellensburg 2018	0.44428	9/13/18	0.44954	9/21/18	0.44843	0.7890	P
EBL054	Ellensburg 2018	0.44365	9/13/18	0.45007	9/21/18	0.44700	0.5218	W
EBL055	Ellensburg 2018	0.42664	9/13/18	0.43220	9/21/18	0.42985	0.5773	W
EBL056	Ellensburg 2018	0.42237	9/13/18	0.42930	9/21/18	0.42652	0.5988	W
EBL057	Ellensburg 2018	0.42267	9/13/18	0.42802	9/21/18	0.42600	0.6224	W
EBL058	Ellensburg 2018	0.46822	9/13/18	0.47409	9/21/18	0.47275	0.7717	P
EBL059	Ellensburg 2018	0.42546	9/13/18	0.43110	9/21/18	0.42860	0.5567	W
EBL060	Ellensburg 2018	0.44459	9/13/18	0.44792	9/21/18	0.44669	0.6306	P
EBL061	Ellensburg 2018	0.42363	9/14/18	0.43098	9/22/18	0.42911	0.7456	P
EBL062	Ellensburg 2018	0.42804	9/14/18	0.43478	9/22/18	0.43151	0.5148	W
EBL063	Ellensburg 2018	0.42595	9/14/18	0.43291	9/22/18	0.43130	0.7687	P
EBL064	Ellensburg 2018	0.42291	9/14/18	0.42739	9/22/18	0.42629	0.7545	P
EBL065	Ellensburg 2018	0.42275	9/14/18	0.42855	9/22/18	0.42567	0.5034	W
EBL066	Ellensburg 2018	0.44443	9/14/18	0.44889	9/22/18	0.44788	0.7735	P
EBL067	Ellensburg 2018	0.42835	9/14/18	0.43373	9/22/18	0.43152	0.5892	W
EBL068	Ellensburg 2018	0.42118	9/14/18	0.42840	9/22/18	0.42643	0.7271	P
EBL069	Ellensburg 2018	0.42424	9/14/18	0.42933	9/22/18	0.42770	0.6798	W
EBL071	Ellensburg 2018	0.42808	9/14/18	0.43272	9/22/18	0.43159	0.7565	P
EBL072	Ellensburg 2018	0.42256	9/14/18	0.42860	9/22/18	0.42723	0.7732	W
EBL073	Ellensburg 2018	0.42116	9/14/18	0.42593	9/22/18	0.42378	0.5493	W

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EBL074	Ellensburg 2018	0.42149	9/14/18	0.42813	9/22/18	0.42534	0.5798	W
EBL075	Ellensburg 2018	0.42806	9/14/18	0.43631	9/22/18	0.43389	0.7067	P
EBL076	Ellensburg 2018	0.42338	9/14/18	0.42841	9/22/18	0.42608	0.5368	W
EBL077	Ellensburg 2018	0.46832	9/14/18	0.47499	9/22/18	0.47218	0.5787	W
EBL078	Ellensburg 2018	0.42810	9/14/18	0.43540	9/22/18	0.43093	0.3877	F
EBL079	Ellensburg 2018	0.42706	9/14/18	0.43366	9/22/18	0.43233	0.7985	P
EBL080	Ellensburg 2018	0.42362	9/14/18	0.43002	9/22/18	0.42730	0.5750	W
EBL081	Ellensburg 2018	0.42719	9/14/18	0.43214	9/22/18	0.42996	0.5596	W
EBL082	Ellensburg 2018	0.42701	9/14/18	0.43323	9/22/18	0.43154	0.7283	P
EBL083	Ellensburg 2018	0.42787	9/14/18	0.43268	9/22/18	0.43080	0.6091	W
EBL084	Ellensburg 2018	0.42157	9/14/18	0.42481	9/22/18	0.42390	0.7191	W
EBL085	Ellensburg 2018	0.42238	9/14/18	0.42773	9/22/18	0.42694	0.8523	P
EBL087	Ellensburg 2018	0.42280	9/14/18	0.42690	9/22/18	0.42547	0.6512	W
EBL088	Ellensburg 2018	0.44435	9/14/18	0.45132	9/22/18	0.44986	0.7905	P
EBL101	Ellensburg 2018	0.42961	9/17/18	0.43507	9/25/18	0.43231	0.4945	W
EBL102	Ellensburg 2018	0.44435	9/17/18	0.45239	9/25/18	0.45005	0.7090	P
EBL103	Ellensburg 2018	0.42289	9/17/18	0.43106	9/25/18	0.42861	0.7001	P
EBL104	Ellensburg 2018	0.42377	9/17/18	0.43318	9/25/18	0.43067	0.7333	P
EBL105	Ellensburg 2018	0.42282	9/17/18	0.43096	9/25/18	0.42857	0.7064	P
EBL106	Ellensburg 2018	0.44426	9/17/18	0.45109	9/25/18	0.44914	0.7145	P
EBL107	Ellensburg 2018	0.42322	9/17/18	0.42928	9/25/18	0.42757	0.7178	P
EBL108	Ellensburg 2018	0.42328	9/17/18	0.42820	9/25/18	0.42572	0.4959	W
EBL109	Ellensburg 2018	0.42412	9/17/18	0.42919	9/25/18	0.42682	0.5325	W
EBL110	Ellensburg 2018	0.42336	9/17/18	0.43171	9/25/18	0.42798	0.5533	W
EBL111	Ellensburg 2018	0.42427	9/17/18	0.43161	9/25/18	0.42950	0.7125	P
EBL112	Ellensburg 2018	0.42281	9/17/18	0.42975	9/25/18	0.42798	0.7450	P
Q0422	Elma	0.47122	8/31/20	0.47755	9/8/20	0.47599	0.7536	P
Q0423	Elma	0.46702	8/31/20	0.47102	9/8/20	0.46895	0.4825	W
Q0462	Elma	0.47346	9/1/20	0.47821	9/9/20	0.47598	0.5305	W
Q0463	Elma	0.47085	9/1/20	0.47519	9/9/20	0.47334	0.5737	W
Q0464	Elma	0.47293	9/1/20	0.47722	9/9/20	0.47518	0.5245	W
Q0465	Elma	0.46582	9/1/20	0.47017	9/9/20	0.46810	0.5241	W
Q0466	Elma	0.47114	9/1/20	0.47579	9/9/20	0.47406	0.6280	W
Q0467	Elma	0.47293	9/1/20	0.47772	9/9/20	0.47555	0.5470	W
Q0749	Elma	0.47088	9/3/20	0.47515	9/11/20	0.47342	0.5948	W
Q0752	Elma	0.46777	9/3/20	0.47343	9/11/20	0.47102	0.5742	W
Q0753	Elma	0.46985	9/3/20	0.47500	9/11/20	0.47279	0.5709	W
Q0754	Elma	0.47058	9/3/20	0.47583	9/11/20	0.47270	0.4038	F
Q0788	Elma	0.47912	9/4/20	0.48600	9/12/20	0.48282	0.5378	W
Q0789	Elma	0.48063	9/4/20	0.48583	9/12/20	0.48322	0.4981	W
Q0790	Elma	0.47937	9/4/20	0.48318	9/12/20	0.48083	0.3832	F
Q0791	Elma	0.47938	9/4/20	0.48693	9/12/20	0.48501	0.7457	P
Q0792	Elma	0.47704	9/4/20	0.48120	9/12/20	0.47919	0.5168	W
Q0813	Elma	0.47583	9/6/20	0.48147	9/14/20	0.48011	0.7589	P
Q0814	Elma	0.47408	9/6/20	0.48138	9/14/20	0.47867	0.6288	W
Q1010	Elma	0.47858	9/5/20	0.48354	9/13/20	0.48131	0.5504	W
Q1011	Elma	0.47838	9/5/20	0.48498	9/13/20	0.48191	0.5348	W
Q1012	Elma	0.47287	9/5/20	0.47784	9/13/20	0.47532	0.4930	W

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Q1013	Elma	0.47977	9/5/20	0.48546	9/13/20	0.48190	0.3743	F
Q1014	Elma	0.47461	9/5/20	0.47935	9/13/20	0.47693	0.4895	F
Q1174	Elma	0.47858	9/7/20	0.48300	9/15/20	0.48097	0.5407	W
Q1175	Elma	0.47571	9/7/20	0.48116	9/15/20	0.47852	0.5156	W
Q1176	Elma	0.47943	9/7/20	0.48299	9/15/20	0.48080	0.3848	F
Q1177	Elma	0.48613	9/7/20	0.49052	9/15/20	0.48802	0.4305	F
Q1178	Elma	0.47599	9/7/20	0.48248	9/15/20	0.47878	0.4299	F
Q1179	Elma	0.47287	9/7/20	0.47825	9/15/20	0.47506	0.4071	F
Q1251	Elma	0.47879	9/9/20	0.48446	9/17/20	0.48202	0.5697	W
Q1252	Elma	0.47534	9/9/20	0.48284	9/17/20	0.47868	0.4453	F
Q1253	Elma	0.47314	9/9/20	0.47688	9/17/20	0.47510	0.5241	F
Q1254	Elma	0.47941	9/9/20	0.48668	9/17/20	0.48265	0.4457	F
Q1255	Elma	0.47922	9/9/20	0.48688	9/17/20	0.48270	0.4543	F
Q1256	Elma	0.48057	9/9/20	0.48578	9/17/20	0.48256	0.3820	F
Q1257	Elma	0.47436	9/9/20	0.47915	9/17/20	0.47725	0.6033	F
Q1258	Elma	0.47630	9/9/20	0.48187	9/17/20	0.47894	0.4740	F
Q1278	Elma	0.48566	9/8/20	0.49174	9/16/20	0.48809	0.3997	F
Q1279	Elma	0.47915	9/8/20	0.48676	9/16/20	0.48262	0.4560	F
Q1280	Elma	0.47528	9/8/20	0.48105	9/16/20	0.47771	0.4211	F
Q1281	Elma	0.47961	9/8/20	0.48210	9/16/20	0.48125	0.6586	F
Q1282	Elma	0.47837	9/8/20	0.48267	9/16/20	0.48075	0.5535	F
Q1283	Elma	0.47803	9/8/20	0.48284	9/16/20	0.48033	0.4782	F
Q1284	Elma	0.47877	9/8/20	0.48388	9/16/20	0.48155	0.5440	F
Q1285	Elma	0.47638	9/8/20	0.48245	9/16/20	0.47867	0.3773	F
Q1286	Elma	0.48040	9/8/20	0.48531	9/16/20	0.48237	0.4012	F
Q1287	Elma	0.47949	9/8/20	0.48743	9/16/20	0.48283	0.4207	F
Q1288	Elma	0.47845	9/8/20	0.48363	9/16/20	0.48161	0.6100	F
Q1289	Elma	0.47951	9/8/20	0.48395	9/16/20	0.48237	0.6441	W
Q1333	Elma	0.48187	9/10/20	0.48490	9/18/20	0.48312	0.4125	F
Q1334	Elma	0.47351	9/10/20	0.47963	9/18/20	0.47641	0.4739	F
Q1335	Elma	0.47814	9/10/20	0.48638	9/18/20	0.48379	0.6857	P
Q1336	Elma	0.47626	9/10/20	0.48107	9/18/20	0.47824	0.4116	F
Q1337	Elma	0.47596	9/10/20	0.48123	9/18/20	0.47796	0.3795	F
Q1338	Elma	0.47860	9/10/20	0.48356	9/18/20	0.48060	0.4032	F
Q1339	Elma	0.47918	9/10/20	0.48446	9/18/20	0.48153	0.4451	F
Q1340	Elma	0.47476	9/10/20	0.48009	9/18/20	0.47836	0.6754	F
Q1391	Elma	0.47739	9/11/20	0.48473	9/19/20	0.48276	0.7316	P
Q1392	Elma	0.47870	9/11/20	0.48434	9/19/20	0.48085	0.3812	F
Q1393	Elma	0.47956	9/11/20	0.48611	9/19/20	0.48216	0.3969	F
Q1394	Elma	0.47941	9/11/20	0.48731	9/19/20	0.48471	0.6709	P
Q1395	Elma	0.47944	9/11/20	0.48389	9/19/20	0.48167	0.5011	W
Q1396	Elma	0.47537	9/11/20	0.47902	9/19/20	0.47743	0.5644	W
Q1397	Elma	0.47907	9/11/20	0.48555	9/19/20	0.48156	0.3843	F
Q1398	Elma	0.47679	9/11/20	0.48218	9/19/20	0.47876	0.3655	F
Q1399	Elma	0.47876	9/11/20	0.48250	9/19/20	0.48104	0.6096	F
Q1400	Elma	0.48063	9/11/20	0.48685	9/19/20	0.48328	0.4260	F
Q1401	Elma	0.47794	9/11/20	0.48043	9/19/20	0.47944	0.6024	F
Q1439	Elma	0.47894	9/12/20	0.48520	9/20/20	0.48131	0.3786	F
Q1440	Elma	0.47909	9/12/20	0.48487	9/20/20	0.48239	0.5709	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q1441	Elma	0.47516	9/12/20	0.47989	9/20/20	0.47774	0.5455	W
Q1442	Elma	0.47869	9/12/20	0.48185	9/20/20	0.48028	0.5032	W
Q1443	Elma	0.47928	9/12/20	0.48452	9/20/20	0.48299	0.7080	P
Q1444	Elma	0.47884	9/12/20	0.48498	9/20/20	0.48124	0.3909	F
Q1516	Elma	0.47916	9/13/20	0.48276	9/21/20	0.48175	0.7194	P
Q1517	Elma	0.47954	9/13/20	0.48206	9/21/20	0.48111	0.6230	W
Q1518	Elma	0.47243	9/13/20	0.47605	9/21/20	0.47496	0.6989	P
Q1519	Elma	0.47443	9/13/20	0.48155	9/21/20	0.47765	0.4522	W
Q1543	Elma	0.47985	9/14/20	0.48560	9/22/20	0.48426	0.7670	P
Q1544	Elma	0.47547	9/14/20	0.47920	9/22/20	0.47819	0.7292	P
Q1545	Elma	0.47881	9/14/20	0.48239	9/22/20	0.48150	0.7514	P
Q1619	Elma	0.47923	9/21/20	0.48137	9/29/20	0.48051	0.5981	F
Q1622	Elma	0.48169	9/23/20	0.48698	10/2/20	0.48380	0.3989	F
Q0102	Gold Bar	0.47266	8/26/20	0.47740	9/3/20	0.47639	0.7869	P
Q0103	Gold Bar	0.47317	8/26/20	0.47881	9/3/20	0.47717	0.7092	P
Q0104	Gold Bar	0.47419	8/26/20	0.48046	9/3/20	0.47903	0.7719	P
Q0105	Gold Bar	0.46794	8/26/20	0.47345	9/3/20	0.47031	0.4301	W
Q0106	Gold Bar	0.47164	8/26/20	0.47702	9/3/20	0.47589	0.7900	P
Q0108	Gold Bar	0.47508	8/26/20	0.47935	9/3/20	0.47757	0.5831	W
Q0109	Gold Bar	0.47240	8/26/20	0.47657	9/3/20	0.47473	0.5588	W
Q0110	Gold Bar	0.47061	8/26/20	0.47492	9/3/20	0.47282	0.5128	W
Q0111	Gold Bar	0.47265	8/26/20	0.47571	9/3/20	0.47406	0.4608	W
Q0112	Gold Bar	0.46841	8/26/20	0.47415	9/3/20	0.47244	0.7021	P
Q0113	Gold Bar	0.47347	8/26/20	0.47756	9/3/20	0.47628	0.6870	P
Q0114	Gold Bar	0.46762	8/26/20	0.47065	9/3/20	0.46919	0.5182	W
Q0115	Gold Bar	0.47251	8/26/20	0.47640	9/3/20	0.47385	0.3445	F
Q0116	Gold Bar	0.46854	8/26/20	0.47338	9/3/20	0.47024	0.3512	F
Q0117	Gold Bar	0.46914	8/26/20	0.47155	9/3/20	0.46986	0.2988	F
Q0118	Gold Bar	0.47533	8/26/20	0.47868	9/3/20	0.47724	0.5701	W
Q0119	Gold Bar	0.47258	8/26/20	0.47633	9/3/20	0.47468	0.5600	W
Q0241	Gold Bar	0.47073	8/28/20	0.47485	9/5/20	0.47276	0.4927	W
Q0242	Gold Bar	0.47281	8/28/20	0.47870	9/5/20	0.47559	0.4720	P
Q0243	Gold Bar	0.47088	8/28/20	0.47414	9/5/20	0.47243	0.4755	W
Q0244	Gold Bar	0.47168	8/28/20	0.47513	9/5/20	0.47330	0.4696	W
Q0245	Gold Bar	0.47264	8/28/20	0.47907	9/5/20	0.47592	0.5101	W
Q0246	Gold Bar	0.46788	8/28/20	0.47260	9/5/20	0.47135	0.7352	P
Q0247	Gold Bar	0.46956	8/28/20	0.47136	9/5/20	0.47066	0.6111	W
Q0248	Gold Bar	0.47276	8/28/20	0.47691	9/5/20	0.47463	0.4506	W
Q0249	Gold Bar	0.47208	8/28/20	0.47598	9/5/20	0.47405	0.5051	W
Q0254	Gold Bar	0.46636	8/29/20	0.47115	9/6/20	0.46916	0.5846	P
Q0255	Gold Bar	0.47401	8/29/20	0.48378	9/6/20	0.47993	0.6059	P
Q0256	Gold Bar	0.46576	8/29/20	0.46991	9/6/20	0.46826	0.6024	P
Q0257	Gold Bar	0.47200	8/29/20	0.47680	9/6/20	0.47447	0.5146	W
Q0258	Gold Bar	0.47235	8/29/20	0.47707	9/6/20	0.47481	0.5212	W
Q0259	Gold Bar	0.47087	8/29/20	0.47592	9/6/20	0.47284	0.3901	F
Q0260	Gold Bar	0.47286	8/29/20	0.47587	9/6/20	0.47408	0.4053	F
Q0261	Gold Bar	0.47060	8/29/20	0.47550	9/6/20	0.47417	0.7286	P
Q0262	Gold Bar	0.47536	8/29/20	0.47863	9/6/20	0.47666	0.3976	F

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Q0263	Gold Bar	0.47420	8/29/20	0.47990	9/6/20	0.47870	0.7895	P
Q0338	Gold Bar	0.46698	8/30/20	0.47039	9/7/20	0.46866	0.4927	W
Q0339	Gold Bar	0.47399	8/30/20	0.48021	9/7/20	0.47666	0.4293	W
Q0340	Gold Bar	0.46753	8/30/20	0.47371	9/7/20	0.47197	0.7184	P
Q0389	Gold Bar	0.46807	8/31/20	0.47455	9/8/20	0.47283	0.7346	P
Q0390	Gold Bar	0.47333	8/31/20	0.47895	9/8/20	0.47756	0.7527	P
Q0391	Gold Bar	0.47498	8/31/20	0.47956	9/8/20	0.47744	0.5371	W
Q0392	Gold Bar	0.47540	8/31/20	0.48168	9/8/20	0.47848	0.4904	W
Q0393	Gold Bar	0.46556	8/31/20	0.47000	9/8/20	0.46761	0.4617	W
Q0394	Gold Bar	0.47275	8/31/20	0.47767	9/8/20	0.47592	0.6443	P
Q0395	Gold Bar	0.47422	8/31/20	0.47932	9/8/20	0.47683	0.5118	W
Q0396	Gold Bar	0.47186	8/31/20	0.47659	9/8/20	0.47406	0.4651	W
Q0397	Gold Bar	0.47344	8/31/20	0.47632	9/8/20	0.47542	0.6875	P
Q0398	Gold Bar	0.47388	8/31/20	0.47635	9/8/20	0.47481	0.3765	F
Q0399	Gold Bar	0.46928	8/31/20	0.47238	9/8/20	0.47058	0.4194	W
Q0400	Gold Bar	0.47113	8/31/20	0.47499	9/8/20	0.47263	0.3886	W
Q0401	Gold Bar	0.46832	8/31/20	0.47085	9/8/20	0.46915	0.3281	F
Q0402	Gold Bar	0.47349	8/31/20	0.47874	9/8/20	0.47646	0.5657	W
Q0472	Gold Bar	0.47220	9/1/20	0.47655	9/9/20	0.47441	0.5080	W
Q0474	Gold Bar	0.46805	9/1/20	0.47136	9/9/20	0.47042	0.7160	W
Q0475	Gold Bar	0.47201	9/1/20	0.47732	9/9/20	0.47546	0.6497	P
Q0476	Gold Bar	0.47613	9/1/20	0.48118	9/9/20	0.47939	0.6455	P
Q0477	Gold Bar	0.46817	9/1/20	0.47373	9/9/20	0.47085	0.4820	W
Q0478	Gold Bar	0.47631	9/1/20	0.47901	9/9/20	0.47765	0.4963	W
Q0479	Gold Bar	0.46896	9/1/20	0.47321	9/9/20	0.47078	0.4282	F
Q0675	Gold Bar	0.46839	9/3/20	0.47218	9/11/20	0.47021	0.4802	W
Q0676	Gold Bar	0.47312	9/3/20	0.47927	9/11/20	0.47759	0.7268	P
Q0677	Gold Bar	0.47129	9/3/20	0.47798	9/11/20	0.47620	0.7339	P
Q0678	Gold Bar	0.47292	9/3/20	0.47740	9/11/20	0.47457	0.3683	F
Q0679	Gold Bar	0.47321	9/3/20	0.47826	9/11/20	0.47588	0.5287	W
Q0680	Gold Bar	0.47134	9/3/20	0.47526	9/11/20	0.47356	0.5663	W
Q0681	Gold Bar	0.47034	9/3/20	0.47526	9/11/20	0.47295	0.5305	W
Q0682	Gold Bar	0.47455	9/3/20	0.47924	9/11/20	0.47764	0.6588	P
Q0683	Gold Bar	0.47294	9/3/20	0.47713	9/11/20	0.47459	0.3938	F
Q0684	Gold Bar	0.46775	9/3/20	0.47239	9/11/20	0.47085	0.6681	P
Q0685	Gold Bar	0.47195	9/3/20	0.47864	9/11/20	0.47690	0.7399	P
Q0686	Gold Bar	0.47378	9/3/20	0.47907	9/11/20	0.47662	0.5369	W
Q0687	Gold Bar	0.47409	9/3/20	0.47984	9/11/20	0.47825	0.7235	P
Q0758	Gold Bar	0.48007	9/3/20	0.48455	9/11/20	0.48157	0.3348	F
Q1112	Gold Bar	0.47895	9/7/20	0.48460	9/15/20	0.48271	0.6655	P
Q1113	Gold Bar	0.48142	9/7/20	0.48460	9/15/20	0.48285	0.4497	W
Q1114	Gold Bar	0.48062	9/7/20	0.48558	9/15/20	0.48414	0.7097	P
Q1115	Gold Bar	0.47912	9/7/20	0.48490	9/15/20	0.48338	0.7370	P
Q1116	Gold Bar	0.47872	9/7/20	0.48377	9/15/20	0.48108	0.4673	W
Q1117	Gold Bar	0.47677	9/7/20	0.47930	9/15/20	0.47759	0.3241	F
Q1118	Gold Bar	0.47626	9/7/20	0.48190	9/15/20	0.48008	0.6773	P
Q1119	Gold Bar	0.47901	9/7/20	0.48318	9/15/20	0.48118	0.5204	W
Q1120	Gold Bar	0.48010	9/7/20	0.48430	9/15/20	0.48168	0.3762	F
Q1121	Gold Bar	0.48007	9/7/20	0.48434	9/15/20	0.48204	0.4614	W

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Q1122	Gold Bar	0.48011	9/7/20	0.48634	9/15/20	0.48467	0.7319	P
Q1123	Gold Bar	0.47298	9/7/20	0.47794	9/15/20	0.47502	0.4113	W
Q1369	Gold Bar	0.47844	9/11/20	0.48236	9/19/20	0.47985	0.3597	F
Q1370	Gold Bar	0.47486	9/11/20	0.48145	9/19/20	0.47941	0.6904	P
Q1371	Gold Bar	0.47968	9/11/20	0.48267	9/19/20	0.48112	0.4816	W
Q1372	Gold Bar	0.47947	9/11/20	0.48357	9/19/20	0.48166	0.5341	W
Q1373	Gold Bar	0.47842	9/11/20	0.48347	9/19/20	0.48084	0.4792	W
Q1374	Gold Bar	0.48502	9/11/20	0.48841	9/19/20	0.48654	0.4484	F
Q1375	Gold Bar	0.47850	9/11/20	0.48421	9/19/20	0.48074	0.3923	F
Q1376	Gold Bar	0.47962	9/11/20	0.48279	9/19/20	0.48090	0.4038	F
Q1377	Gold Bar	0.47909	9/11/20	0.48481	9/19/20	0.48306	0.6941	P
Q1421	Gold Bar	0.47479	9/12/20	0.47977	9/20/20	0.47656	0.3554	F
Q1422	Gold Bar	0.47869	9/12/20	0.48262	9/20/20	0.48132	0.6692	P
Q1423	Gold Bar	0.47281	9/12/20	0.47854	9/20/20	0.47510	0.3997	W
Q1483	Gold Bar	0.48254	9/12/20	0.48543	9/20/20	0.48372	0.4083	P
Q1484	Gold Bar	0.47614	9/12/20	0.48011	9/20/20	0.47913	0.7531	P
Q0547	Goldendale	0.47216	9/2/20	0.47787	9/10/20	0.47539	0.5657	W
Q0548	Goldendale	0.46576	9/2/20	0.46997	9/10/20	0.46811	0.5582	P
Q0549	Goldendale	0.47257	9/2/20	0.47801	9/10/20	0.47483	0.4154	W
Q0550	Goldendale	0.47196	9/2/20	0.47600	9/10/20	0.47359	0.4035	F
Q0551	Goldendale	0.46585	9/2/20	0.47075	9/10/20	0.46924	0.6918	P
Q0552	Goldendale	0.46853	9/2/20	0.47334	9/10/20	0.47099	0.5114	P
Q0553	Goldendale	0.46619	9/2/20	0.47336	9/10/20	0.47155	0.7476	P
Q0554	Goldendale	0.46937	9/2/20	0.47278	9/10/20	0.47051	0.3343	F
Q0555	Goldendale	0.46984	9/2/20	0.47213	9/10/20	0.47097	0.4934	W
Q0556	Goldendale	0.46917	9/2/20	0.47288	9/10/20	0.47099	0.4906	W
Q0557	Goldendale	0.46807	9/2/20	0.47070	9/10/20	0.46882	0.2852	F
Q0558	Goldendale	0.46572	9/2/20	0.47017	9/10/20	0.46784	0.4764	W
Q0559	Goldendale	0.47149	9/2/20	0.47744	9/10/20	0.47490	0.5731	W
Q0560	Goldendale	0.46549	9/2/20	0.46912	9/10/20	0.46740	0.5262	W
Q0561	Goldendale	0.47103	9/2/20	0.47563	9/10/20	0.47348	0.5326	W
Q0562	Goldendale	0.47223	9/2/20	0.47859	9/10/20	0.47694	0.7406	P
Q0563	Goldendale	0.47715	9/2/20	0.48109	9/10/20	0.47973	0.6548	P
Q0564	Goldendale	0.47421	9/2/20	0.47856	9/10/20	0.47631	0.4828	W
Q0565	Goldendale	0.47390	9/2/20	0.47677	9/10/20	0.47464	0.2578	F
Q0566	Goldendale	0.46852	9/2/20	0.47185	9/10/20	0.46998	0.4384	W
Q0567	Goldendale	0.47372	9/2/20	0.47674	9/10/20	0.47453	0.2682	F
Q0568	Goldendale	0.47203	9/2/20	0.47510	9/10/20	0.47294	0.2964	F
Q0569	Goldendale	0.47306	9/2/20	0.47875	9/10/20	0.47624	0.5589	W
Q0570	Goldendale	0.47541	9/2/20	0.47932	9/10/20	0.47778	0.6061	P
Q0571	Goldendale	0.47228	9/2/20	0.47616	9/10/20	0.47386	0.4072	W
Q0572	Goldendale	0.47082	9/2/20	0.47866	9/10/20	0.47600	0.6607	P
Q0573	Goldendale	0.47537	9/2/20	0.47833	9/10/20	0.47628	0.3074	F
Q0574	Goldendale	0.47196	9/2/20	0.47731	9/10/20	0.47543	0.6486	P
Q0575	Goldendale	0.48078	9/2/20	0.48779	9/10/20	0.48600	0.7447	P
Q0576	Goldendale	0.46811	9/2/20	0.47094	9/10/20	0.46905	0.3322	F
Q0577	Goldendale	0.46804	9/2/20	0.47461	9/10/20	0.47185	0.5799	P
Q0578	Goldendale	0.47154	9/2/20	0.47382	9/10/20	0.47212	0.2544	F

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Q0579	Goldendale	0.47180	9/2/20	0.47963	9/10/20	0.47683	0.6424	P
Q0580	Goldendale	0.46805	9/2/20	0.47033	9/10/20	0.46869	0.2807	F
Q0581	Goldendale	0.46606	9/2/20	0.46927	9/10/20	0.46693	0.2710	F
Q0708	Goldendale	0.47322	9/3/20	0.47777	9/11/20	0.47609	0.6308	W
Q0709	Goldendale	0.47232	9/3/20	0.47795	9/11/20	0.47645	0.7336	P
Q0711	Goldendale	0.46834	9/3/20	0.46961	9/11/20	0.46879	0.3543	F
Q0712	Goldendale	0.47393	9/3/20	0.47491	9/11/20	0.47431	0.3878	F
Q0713	Goldendale	0.46813	9/3/20	0.47201	9/11/20	0.47012	0.5129	W
Q0714	Goldendale	0.47717	9/3/20	0.48101	9/11/20	0.47923	0.5365	W
Q0715	Goldendale	0.46575	9/3/20	0.46895	9/11/20	0.46754	0.5594	W
Q0716	Goldendale	0.46759	9/3/20	0.47209	9/11/20	0.47018	0.5756	W
Q0717	Goldendale	0.47339	9/3/20	0.47789	9/11/20	0.47683	0.7644	P
Q0718	Goldendale	0.47248	9/3/20	0.47922	9/11/20	0.47780	0.7893	P
Q0720	Goldendale	0.47582	9/3/20	0.47981	9/11/20	0.47807	0.5639	W
Q0721	Goldendale	0.47571	9/3/20	0.47957	9/11/20	0.47879	0.7979	P
Q0793	Goldendale	0.47971	9/4/20	0.48393	9/12/20	0.48200	0.5427	W
Q0794	Goldendale	0.47830	9/4/20	0.48279	9/12/20	0.48087	0.5724	W
Q0795	Goldendale	0.47518	9/4/20	0.47961	9/12/20	0.47670	0.3431	F
Q0796	Goldendale	0.48499	9/4/20	0.48597	9/12/20	0.48536	0.3776	F
Q1022	Goldendale	0.47943	9/5/20	0.48525	9/13/20	0.48287	0.5911	W
Q1023	Goldendale	0.48025	9/5/20	0.48476	9/13/20	0.48298	0.6053	W
Q1024	Goldendale	0.47439	9/5/20	0.47784	9/13/20	0.47691	0.7304	P
Q1025	Goldendale	0.47635	9/5/20	0.48096	9/13/20	0.47859	0.4859	W
Q1026	Goldendale	0.47850	9/5/20	0.48351	9/13/20	0.48233	0.7645	P
Q1149	Goldendale	0.47435	9/7/20	0.48026	9/15/20	0.47774	0.5736	W
Q1150	Goldendale	0.47858	9/7/20	0.48486	9/15/20	0.48347	0.7787	P
Q1151	Goldendale	0.47949	9/7/20	0.48424	9/15/20	0.48173	0.4716	W
Q1152	Goldendale	0.47616	9/7/20	0.48084	9/15/20	0.47981	0.7799	P
Q1153	Goldendale	0.47493	9/7/20	0.48020	9/15/20	0.47753	0.4934	W
Q1154	Goldendale	0.47639	9/7/20	0.48209	9/15/20	0.47876	0.4158	F
Q1155	Goldendale	0.48057	9/7/20	0.48780	9/15/20	0.48547	0.6777	P
Q1156	Goldendale	0.47827	9/7/20	0.48548	9/15/20	0.48371	0.7545	P
Q1157	Goldendale	0.47953	9/7/20	0.48522	9/15/20	0.48381	0.7522	P
Q1158	Goldendale	0.47956	9/7/20	0.48427	9/15/20	0.48309	0.7495	P
Q1159	Goldendale	0.47562	9/7/20	0.48139	9/15/20	0.47823	0.4523	F
Q1160	Goldendale	0.47919	9/7/20	0.48180	9/15/20	0.48095	0.6743	P
Q1161	Goldendale	0.47316	9/7/20	0.47790	9/15/20	0.47497	0.3819	F
Q1162	Goldendale	0.47647	9/7/20	0.48090	9/15/20	0.47983	0.7585	P
Q1163	Goldendale	0.48572	9/7/20	0.49126	9/15/20	0.48824	0.4549	F
Q1164	Goldendale	0.47464	9/7/20	0.48012	9/15/20	0.47858	0.7190	W
Q1165	Goldendale	0.47915	9/7/20	0.48491	9/15/20	0.48215	0.5208	W
Q1166	Goldendale	0.47647	9/7/20	0.48183	9/15/20	0.47851	0.3806	F
Q1167	Goldendale	0.47827	9/7/20	0.48180	9/15/20	0.48060	0.6601	P
Q1168	Goldendale	0.47730	9/7/20	0.48141	9/15/20	0.47979	0.6058	W
Q1169	Goldendale	0.48033	9/7/20	0.48463	9/15/20	0.48377	0.8000	P
Q1415	Goldendale	0.47834	9/11/20	0.48366	9/19/20	0.48220	0.7256	P
Q1416	Goldendale	0.47881	9/11/20	0.48565	9/19/20	0.48155	0.4006	F
Q1417	Goldendale	0.47905	9/11/20	0.48502	9/19/20	0.48320	0.6951	P
Q1418	Goldendale	0.47918	9/11/20	0.48478	9/19/20	0.48323	0.7232	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q1419	Goldendale	0.47634	9/11/20	0.48227	9/19/20	0.47946	0.5261	W
Q1420	Goldendale	0.47865	9/11/20	0.48226	9/19/20	0.48124	0.7175	P
Q1424	Goldendale	0.48035	9/12/20	0.48632	9/20/20	0.48486	0.7554	P
Q1425	Goldendale	0.47574	9/12/20	0.47973	9/20/20	0.47855	0.7043	P
Q1426	Goldendale	0.48012	9/12/20	0.48620	9/20/20	0.48467	0.7484	P
Q1427	Goldendale	0.47936	9/12/20	0.48378	9/20/20	0.48251	0.7127	P
Q1428	Goldendale	0.48661	9/12/20	0.49437	9/20/20	0.48944	0.3647	F
Q1429	Goldendale	0.47667	9/12/20	0.48075	9/20/20	0.47966	0.7328	P
Q1430	Goldendale	0.47957	9/12/20	0.48572	9/20/20	0.48376	0.6813	P
Q1431	Goldendale	0.47743	9/12/20	0.48378	9/20/20	0.48224	0.7575	P
Q1432	Goldendale	0.47880	9/12/20	0.48546	9/20/20	0.48135	0.3829	F
Q1433	Goldendale	0.47337	9/12/20	0.47643	9/20/20	0.47530	0.6307	P
Q1434	Goldendale	0.47958	9/12/20	0.48497	9/20/20	0.48178	0.4082	F
Q1435	Goldendale	0.48143	9/12/20	0.48569	9/20/20	0.48457	0.7371	P
Q1436	Goldendale	0.47833	9/12/20	0.48265	9/20/20	0.48110	0.6412	P
Q1437	Goldendale	0.47874	9/12/20	0.48372	9/20/20	0.48098	0.4498	F
Q1438	Goldendale	0.47906	9/12/20	0.48515	9/20/20	0.48228	0.5287	W
Q1495	Goldendale	0.48038	9/12/20	0.48599	9/20/20	0.48449	0.7326	P
Q1496	Goldendale	0.47877	9/12/20	0.48290	9/20/20	0.48097	0.5327	W
Q1497	Goldendale	0.47894	9/12/20	0.48456	9/20/20	0.48301	0.7242	P
Q1498	Goldendale	0.47654	9/12/20	0.48095	9/20/20	0.48058	0.9161	P
Q1499	Goldendale	0.47636	9/12/20	0.48275	9/20/20	0.48165	0.8279	P
Q1500	Goldendale	0.47976	9/12/20	0.48442	9/20/20	0.48270	0.6309	P
Q1501	Goldendale	0.47492	9/12/20	0.47930	9/20/20	0.47814	0.7352	P
CDL001	Grand Coulee	0.43060	8/25/17	0.43222	9/2/17	0.43119	0.3642	
CDL002	Grand Coulee	0.42190	8/28/17	0.42747	9/5/17	0.42638	0.8043	P
CDL003	Grand Coulee	0.41887	8/28/17	0.42489	9/5/17	0.42160	0.4535	
CDL004	Grand Coulee	0.42094	8/29/17	0.42705	9/6/17	0.42571	0.7807	
CDL005	Grand Coulee	0.41919	8/30/17	0.42923	9/7/17	0.42683	0.7610	P
CDL006	Grand Coulee	0.32516	8/31/17	0.33020	9/8/17	0.32874	0.7103	
CDL007	Grand Coulee	0.41667	8/31/17	0.42535	9/8/17	0.42338	0.7730	P
CDL008	Grand Coulee	0.41769	8/31/17	0.42735	9/8/17	0.42284	0.5331	
CDL009	Grand Coulee	0.44356	9/2/17	0.45202	9/10/17	0.44967	0.7222	
CDL010	Grand Coulee	0.42278	9/2/17	0.42895	9/10/17	0.42784	0.8201	P
CDL011	Grand Coulee	0.41786	9/2/17	0.42452	9/10/17	0.42236	0.6757	
CDL012	Grand Coulee	0.43005	9/2/17	0.43555	9/10/17	0.43456	0.8200	
CDL013	Grand Coulee	0.41920	9/2/17	0.42803	9/10/17	0.42591	0.7599	
CDL014	Grand Coulee	0.41919	9/2/17	0.42793	9/10/17	0.42667	0.8558	
CDL015	Grand Coulee	0.41870	9/2/17	0.42470	9/10/17	0.42412	0.9033	P
CDL016	Grand Coulee	0.42806	9/2/17	0.43241	9/10/17	0.43081	0.6322	
CDL017	Grand Coulee	0.42033	9/2/17	0.42499	9/10/17	0.42416	0.8219	
CDL018	Grand Coulee	0.42000	9/2/17	0.42812	9/10/17	0.42602	0.7414	
CDL019	Grand Coulee	0.42300	9/2/17	0.42674	9/10/17	0.42588	0.7701	
CDL020	Grand Coulee	0.41911	9/3/17	0.42154	9/11/17	0.42129	0.8971	
CDL021	Grand Coulee	0.42418	9/3/17	0.42983	9/11/17	0.42619	0.3558	
CDL022	Grand Coulee	0.41923	9/3/17	0.42503	9/11/17	0.42380	0.7879	P
CDL023	Grand Coulee	0.41959	9/3/17	0.42253	9/11/17	0.42155	0.6667	P
CDL024	Grand Coulee	0.42255	9/3/17	0.42738	9/11/17	0.42637	0.7909	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
CDL025	Grand Coulee	0.42381	9/4/17	0.42957	9/12/17	0.42853	0.8194	
CDL026	Grand Coulee	0.42225	9/4/17	0.42959	9/12/17	0.42796	0.7779	
CDL027	Grand Coulee	0.41935	9/4/17	0.42522	9/12/17	0.42389	0.7734	P
CDL028	Grand Coulee	0.42638	9/4/17	0.42990	9/12/17	0.42912	0.7784	P
CDL029	Grand Coulee	0.42237	9/4/17	0.42809	9/12/17	0.42673	0.7622	P
CDL030	Grand Coulee	0.43015	9/4/17	0.43684	9/12/17	0.43413	0.5949	
CDL031	Grand Coulee	0.41848	9/5/17	0.42475	9/13/17	0.42287	0.7002	
CDL032	Grand Coulee	0.41866	9/5/17	0.42565	9/13/17	0.42398	0.7611	
CDL033	Grand Coulee	0.41710	9/7/17	0.42098	9/15/17	0.42005	0.7603	P
CDL034	Grand Coulee	0.42696	9/7/17	0.43114	9/15/17	0.43009	0.7488	
CDL035	Grand Coulee	0.42410	9/7/17	0.42934	9/15/17	0.42826	0.7939	
CDL036	Grand Coulee	0.41916	9/7/17	0.42195	9/15/17	0.42086	0.6093	
CDL037	Grand Coulee	0.41936	9/8/17	0.42204	9/16/17	0.42122	0.6940	
CDL038	Grand Coulee	0.42390	9/9/17	0.42931	9/17/17	0.42608	0.4030	
CDL039	Grand Coulee	0.41865	9/12/17	0.42476	9/20/17	0.42337	0.7725	
CDL040	Grand Coulee	0.41852	9/13/17	0.42410	9/21/17	0.42268	0.7455	
CDL041	Grand Coulee	0.42532	9/14/17	0.42781	9/22/17	0.42746	0.8594	
CDL042	Grand Coulee	0.42802	9/14/17	0.43245	9/22/17	0.43163	0.8149	
CDL043	Grand Coulee	0.42391	9/15/17	0.42961	9/23/17	0.42752	0.6333	
HRL001	Hood River	0.42304	8/14/18	0.42934	8/22/18	0.42758	0.7206	P
HRL002	Hood River	0.41865	8/14/18	0.42335	8/22/18	0.42218	0.7511	P
HRL003	Hood River	0.42261	8/14/18	0.42870	8/22/18	0.42836	0.9442	P
HRL004	Hood River	0.42492	8/14/18	0.43146	8/22/18	0.42994	0.7676	P
HRL005	Hood River	0.41842	8/14/18	0.42572	8/22/18	0.42281	0.6014	W
HRL006	Hood River	0.41975	8/14/18	0.42678	8/22/18	0.42552	0.8208	P
HRL007	Hood River	0.42142	8/14/18	0.42769	8/22/18	0.42616	0.7560	P
HRL008	Hood River	0.42386	8/14/18	0.42878	8/22/18	0.42760	0.7602	P
HRL009	Hood River	0.42373	8/14/18	0.43000	8/22/18	0.42775	0.6411	P
HRL010	Hood River	0.41958	8/14/18	0.42727	8/22/18	0.42532	0.7464	P
HRL011	Hood River	0.42752	8/14/18	0.43421	8/22/18	0.43281	0.7907	P
HRL012	Hood River	0.41818	8/14/18	0.42358	8/22/18	0.42216	0.7370	P
HRL013	Hood River	0.42570	8/14/18	0.43330	8/22/18	0.43146	0.7579	P
HRL014	Hood River	0.41876	8/14/18	0.42502	8/22/18	0.42339	0.7396	P
HRL015	Hood River	0.42034	8/14/18	0.42756	8/22/18	0.42602	0.7867	P
HRL016	Hood River	0.42348	8/14/18	0.42941	8/22/18	0.42694	0.5835	W
HRL017	Hood River	0.41627	8/14/18	0.42098	8/22/18	0.41968	0.7240	P
HRL018	Hood River	0.42051	8/14/18	0.42571	8/22/18	0.42330	0.5365	W
HRL019	Hood River	0.42322	8/14/18	0.43139	8/22/18	0.42970	0.7931	P
HRL020	Hood River	0.42240	8/14/18	0.43026	8/22/18	0.42837	0.7595	P
HRL021	Hood River	0.41835	8/14/18	0.42545	8/22/18	0.42101	0.3746	F
HRL022	Hood River	0.42338	8/14/18	0.42880	8/22/18	0.42752	0.7638	P
HRL023	Hood River	0.42552	8/14/18	0.43063	8/22/18	0.42929	0.7378	P
HRL024	Hood River	0.42233	8/14/18	0.42686	8/22/18	0.42574	0.7528	P
HRL025	Hood River	0.42607	8/14/18	0.43426	8/22/18	0.43214	0.7411	P
HRL026	Hood River	0.42621	8/14/18	0.43378	8/22/18	0.43174	0.7305	P
HRL027	Hood River	0.42490	8/14/18	0.43021	8/22/18	0.42801	0.5857	W
HRL028	Hood River	0.42323	8/14/18	0.42840	8/22/18	0.42706	0.7408	P
HRL029	Hood River	0.42704	8/14/18	0.43380	8/22/18	0.43217	0.7589	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
HRL030	Hood River	0.41945	8/14/18	0.42540	8/22/18	0.42334	0.6538	W
HRL031	Hood River	0.42627	8/14/18	0.43296	8/22/18	0.43140	0.7668	P
HRL032	Hood River	0.42024	8/14/18	0.42783	8/22/18	0.42592	0.7484	P
HRL033	Hood River	0.42516	8/14/18	0.42688	8/22/18	0.42584	0.3953	F
HRL034	Hood River	0.41722	8/14/18	0.42223	8/22/18	0.42117	0.7884	P
HRL035	Hood River	0.42766	8/14/18	0.43184	8/22/18	0.42948	0.4354	F
HRL036	Hood River	0.42522	8/14/18	0.42798	8/22/18	0.42720	0.7174	P
HRL037	Hood River	0.41990	8/14/18	0.42487	8/22/18	0.42357	0.7384	P
HRL038	Hood River	0.42303	8/14/18	0.42883	8/22/18	0.42652	0.6017	P
HRL039	Hood River	0.42005	8/14/18	0.42397	8/22/18	0.42292	0.7321	P
HRL040	Hood River	0.42151	8/14/18	0.42841	8/22/18	0.42672	0.7551	P
HRL041	Hood River	0.42548	8/14/18	0.43081	8/22/18	0.42936	0.7280	P
HRL042	Hood River	0.42104	8/14/18	0.42591	8/22/18	0.42396	0.5996	W
HRL043	Hood River	0.41757	8/14/18	0.42218	8/22/18	0.42084	0.7093	P
HRL044	Hood River	0.41593	8/14/18	0.42220	8/22/18	0.41827	0.3732	F
HRL045	Hood River	0.42533	8/14/18	0.43132	8/22/18	0.42764	0.3856	F
HRL046	Hood River	0.41976	8/14/18	0.42563	8/22/18	0.42320	0.5860	W
HRL047	Hood River	0.42215	8/14/18	0.42443	8/22/18	0.42283	0.2982	
HRL048	Hood River	0.42560	8/14/18	0.42953	8/22/18	0.42863	0.7710	P
HRL049	Hood River	0.41992	8/14/18	0.42619	8/22/18	0.42475	0.7703	P
HRL050	Hood River	0.42307	8/14/18	0.42723	8/22/18	0.42470	0.3918	F
HRL051	Hood River	0.41994	8/14/18	0.42365	8/22/18	0.42200	0.5553	W
HRL052	Hood River	0.42331	8/14/18	0.42801	8/22/18	0.42700	0.7851	P
HRL053	Hood River	0.42522	8/14/18	0.43065	8/22/18	0.42919	0.7311	P
HRL054	Hood River	0.42371	8/14/18	0.42965	8/22/18	0.42827	0.7677	P
HRL055	Hood River	0.42327	8/14/18	0.42818	8/22/18	0.42682	0.7230	P
HRL056	Hood River	0.42345	8/14/18	0.42836	8/22/18	0.42704	0.7312	P
HRL057	Hood River	0.42732	8/14/18	0.43148	8/22/18	0.42970	0.5721	W
HRL058	Hood River	0.41819	8/14/18	0.42327	8/22/18	0.42203	0.7559	P
HRL059	Hood River	0.42705	8/14/18	0.43079	8/22/18	0.42917	0.5668	P
HRL060	Hood River	0.41989	8/14/18	0.42441	8/22/18	0.42291	0.6681	P
HRL061	Hood River	0.42338	8/14/18	0.42725	8/22/18	0.42607	0.6951	P
HRL062	Hood River	0.42346	8/14/18	0.42486	8/22/18	0.42384	0.2714	F
HRL063	Hood River	0.42616	8/14/18	0.43087	8/22/18	0.43018	0.8535	P
HRL064	Hood River	0.42188	8/14/18	0.42671	8/22/18	0.42541	0.7308	P
HRL065	Hood River	0.42128	8/14/18	0.42680	8/22/18	0.42384	0.4638	F
HRL066	Hood River	0.42342	8/14/18	0.42654	8/22/18	0.42440	0.3141	F
HRL067	Hood River	0.42398	8/14/18	0.42939	8/22/18	0.42724	0.6026	W
HRL068	Hood River	0.42075	8/14/18	0.42500	8/22/18	0.42390	0.7412	P
HRL069	Hood River	0.42425	8/14/18	0.42779	8/22/18	0.42668	0.6864	P
HRL070	Hood River	0.42670	8/15/18	0.43378	8/23/18	0.43164	0.6977	P
HRL071	Hood River	0.42611	8/15/18	0.43066	8/23/18	0.42959	0.7648	P
HRL072	Hood River	0.42390	8/15/18	0.43020	8/23/18	0.42870	0.7619	P
HRL073	Hood River	0.42642	8/15/18	0.43245	8/23/18	0.43029	0.6418	P
HRL074	Hood River	0.41813	8/15/18	0.42324	8/23/18	0.42199	0.7554	P
HRL075	Hood River	0.42625	8/15/18	0.43200	8/23/18	0.43063	0.7617	P
HRL076	Hood River	0.41998	8/15/18	0.42600	8/23/18	0.42369	0.6163	W
HRL077	Hood River	0.42360	8/15/18	0.42758	8/23/18	0.42651	0.7312	P
HRL078	Hood River	0.42320	8/15/18	0.42957	8/23/18	0.42740	0.6593	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
HRL079	Hood River	0.42312	8/15/18	0.43021	8/23/18	0.42847	0.7546	P
HRL080	Hood River	0.42579	8/15/18	0.43299	8/23/18	0.43201	0.8639	P
HRL081	Hood River	0.42543	8/15/18	0.43126	8/23/18	0.42985	0.7581	P
HRL082	Hood River	0.42496	8/15/18	0.43235	8/23/18	0.43038	0.7334	P
HRL083	Hood River	0.42130	8/15/18	0.42717	8/23/18	0.42567	0.7445	P
HRL084	Hood River	0.42688	8/15/18	0.43287	8/23/18	0.43232	0.9082	P
HRL085	Hood River	0.42551	8/15/18	0.43125	8/23/18	0.42977	0.7422	P
HRL086	Hood River	0.42322	8/15/18	0.43114	8/23/18	0.42947	0.7891	P
HRL087	Hood River	0.42324	8/15/18	0.42820	8/23/18	0.42720	0.7984	P
HRL088	Hood River	0.42731	8/15/18	0.43308	8/23/18	0.43057	0.5650	W
HRL089	Hood River	0.42033	8/15/18	0.42911	8/23/18	0.42723	0.7859	P
HRL090	Hood River	0.42343	8/15/18	0.42922	8/23/18	0.42766	0.7306	P
HRL091	Hood River	0.42201	8/15/18	0.42768	8/23/18	0.42434	0.4109	F
HRL092	Hood River	0.43116	8/15/18	0.43715	8/23/18	0.43571	0.7596	P
HRL093	Hood River	0.41905	8/15/18	0.42367	8/23/18	0.42255	0.7576	P
HRL094	Hood River	0.42308	8/15/18	0.42974	8/23/18	0.42825	0.7763	P
HRL095	Hood River	0.42303	8/15/18	0.42978	8/23/18	0.42829	0.7793	P
HRL096	Hood River	0.42606	8/15/18	0.43289	8/23/18	0.43165	0.8184	P
HRL097	Hood River	0.41631	8/15/18	0.42283	8/23/18	0.42147	0.7914	P
HRL098	Hood River	0.41851	8/15/18	0.42460	8/23/18	0.42103	0.4138	F
HRL099	Hood River	0.42650	8/15/18	0.43152	8/23/18	0.43040	0.7769	P
HRL100	Hood River	0.42388	8/15/18	0.43014	8/23/18	0.42837	0.7173	P
HRL101	Hood River	0.42377	8/15/18	0.42903	8/23/18	0.42755	0.7186	P
HRL102	Hood River	0.42364	8/15/18	0.42883	8/23/18	0.42675	0.5992	P
HRL103	Hood River	0.42310	8/15/18	0.42782	8/23/18	0.42682	0.7881	P
HRL104	Hood River	0.42361	8/15/18	0.42987	8/23/18	0.42819	0.7316	P
HRL105	Hood River	0.42535	8/15/18	0.43013	8/23/18	0.42910	0.7845	P
HRL106	Hood River	0.42606	8/15/18	0.43056	8/23/18	0.42885	0.6200	W
HRL107	Hood River	0.42343	8/15/18	0.42715	8/23/18	0.42621	0.7473	P
HRL108	Hood River	0.42535	8/15/18	0.42972	8/23/18	0.42790	0.5835	W
HRL109	Hood River	0.42330	8/15/18	0.42772	8/23/18	0.42586	0.5792	W
HRL110	Hood River	0.42779	8/15/18	0.43423	8/23/18	0.43246	0.7252	P
HRL111	Hood River	0.42308	8/15/18	0.42953	8/23/18	0.42923	0.9535	P
HRL112	Hood River	0.42109	8/15/18	0.42684	8/23/18	0.42545	0.7583	P
HRL113	Hood River	0.42324	8/15/18	0.42776	8/23/18	0.42671	0.7677	P
HRL114	Hood River	0.42070	8/15/18	0.42427	8/23/18	0.42414	0.9636	P
HRL115	Hood River	0.42089	8/15/18	0.42827	8/23/18	0.42662	0.7764	P
HRL116	Hood River	0.41789	8/15/18	0.42155	8/23/18	0.42094	0.8333	P
HRL117	Hood River	0.42731	8/15/18	0.43103	8/23/18	0.42967	0.6344	W
HRL118	Hood River	0.42037	8/15/18	0.42531	8/23/18	0.42438	0.8117	P
HRL119	Hood River	0.42059	8/15/18	0.42465	8/23/18	0.42299	0.5911	W
HRL120	Hood River	0.41857	8/15/18	0.42156	8/23/18	0.42077	0.7358	P
HRL121	Hood River	0.41878	8/15/18	0.42196	8/23/18	0.42101	0.7013	P
HRL122	Hood River	0.42246	8/15/18	0.42655	8/23/18	0.42646	0.9780	P
HRL123	Hood River	0.42398	8/15/18	0.42887	8/23/18	0.42718	0.6544	P
HRL124	Hood River	0.41799	8/15/18	0.42517	8/23/18	0.42330	0.7396	P
HRL125	Hood River	0.42637	8/16/18	0.43250	8/24/18	0.43092	0.7423	P
HRL126	Hood River	0.41838	8/16/18	0.42476	8/24/18	0.42309	0.7382	P
HRL127	Hood River	0.42520	8/16/18	0.43154	8/24/18	0.42929	0.6451	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
HRL128	Hood River	0.42224	8/16/18	0.42913	8/24/18	0.42628	0.5864	W
HRL129	Hood River	0.42334	8/16/18	0.42956	8/24/18	0.42799	0.7476	P
HRL130	Hood River	0.41777	8/16/18	0.42317	8/24/18	0.42140	0.6722	P
HRL131	Hood River	0.42321	8/16/18	0.42775	8/24/18	0.42495	0.3833	F
HRL132	Hood River	0.42712	8/16/18	0.43204	8/24/18	0.43066	0.7195	P
HRL133	Hood River	0.41857	8/16/18	0.42393	8/24/18	0.42245	0.7239	P
HRL134	Hood River	0.42019	8/16/18	0.42308	8/24/18	0.42136	0.4048	F
HRL135	Hood River	0.41696	8/16/18	0.42299	8/24/18	0.42153	0.7579	P
HRL136	Hood River	0.44365	8/16/18	0.45170	8/24/18	0.44985	0.7702	P
HRL137	Hood River	0.42177	8/16/18	0.42776	8/24/18	0.42603	0.7112	P
HRL138	Hood River	0.42311	8/16/18	0.42889	8/24/18	0.42735	0.7336	P
HRL139	Hood River	0.41862	8/16/18	0.42568	8/24/18	0.42378	0.7309	P
HRL140	Hood River	0.42438	8/16/18	0.42936	8/24/18	0.42803	0.7329	P
HRL141	Hood River	0.41989	8/16/18	0.42707	8/24/18	0.42537	0.7632	P
HRL142	Hood River	0.42211	8/16/18	0.42848	8/24/18	0.42688	0.7488	P
HRL143	Hood River	0.42743	8/16/18	0.43384	8/24/18	0.43187	0.6927	P
HRL144	Hood River	0.44403	8/16/18	0.44935	8/24/18	0.44692	0.5432	W
HRL145	Hood River	0.42378	8/16/18	0.42847	8/24/18	0.42632	0.5416	W
HRL146	Hood River	0.42237	8/16/18	0.42820	8/24/18	0.42650	0.7084	P
HRL147	Hood River	0.42803	8/16/18	0.43480	8/24/18	0.43313	0.7533	P
HRL148	Hood River	0.42690	8/16/18	0.43207	8/24/18	0.42950	0.5029	W
HRL149	Hood River	0.42533	8/16/18	0.42964	8/24/18	0.42767	0.5429	W
HRL150	Hood River	0.42406	8/16/18	0.42982	8/24/18	0.42826	0.7292	P
HRL151	Hood River	0.42231	8/16/18	0.42593	8/24/18	0.42506	0.7597	P
HRL152	Hood River	0.42594	8/16/18	0.43513	8/24/18	0.43187	0.6453	F
HRL153	Hood River	0.41998	8/16/18	0.42579	8/24/18	0.42236	0.4096	F
HRL154	Hood River	0.44396	8/16/18	0.45292	8/24/18	0.45095	0.7801	P
HRL155	Hood River	0.42348	8/16/18	0.42823	8/24/18	0.42693	0.7263	P
HRL156	Hood River	0.42297	8/16/18	0.42846	8/24/18	0.42707	0.7468	P
HRL157	Hood River	0.42130	8/16/18	0.42820	8/24/18	0.42651	0.7551	P
HRL158	Hood River	0.42309	8/16/18	0.42884	8/24/18	0.42750	0.7670	P
HRL159	Hood River	0.42344	8/16/18	0.43169	8/24/18	0.43025	0.8255	P
HRL160	Hood River	0.42304	8/16/18	0.42578	8/24/18	0.42392	0.3212	F
HRL161	Hood River	0.44265	8/16/18	0.44771	8/24/18	0.44615	0.6917	P
HRL162	Hood River	0.42139	8/16/18	0.42544	8/24/18	0.42442	0.7481	P
HRL163	Hood River	0.44797	8/16/18	0.45136	8/24/18	0.44980	0.5398	F
HRL164	Hood River	0.42144	8/16/18	0.42687	8/24/18	0.42543	0.7348	P
HRL165	Hood River	0.42156	8/16/18	0.42669	8/24/18	0.42546	0.7602	P
HRL166	Hood River	0.42118	8/16/18	0.42667	8/24/18	0.42431	0.5701	W
HRL167	Hood River	0.42310	8/16/18	0.42736	8/24/18	0.42508	0.4648	F
HRL168	Hood River	0.42352	8/16/18	0.42594	8/24/18	0.42430	0.3223	F
HRL169	Hood River	0.42297	8/16/18	0.42794	8/24/18	0.42667	0.7445	P
HRL170	Hood River	0.42474	8/16/18	0.42974	8/24/18	0.42838	0.7280	P
HRL171	Hood River	0.42516	8/16/18	0.43230	8/24/18	0.43059	0.7605	P
HRL172	Hood River	0.41882	8/16/18	0.42410	8/24/18	0.42300	0.7917	P
HRL173	Hood River	0.42131	8/16/18	0.42396	8/24/18	0.42265	0.5057	W
HRL174	Hood River	0.42419	8/17/18	0.42958	8/25/18	0.42614	0.3618	F
HRL175	Hood River	0.42308	8/17/18	0.42918	8/25/18	0.42655	0.5689	W
HRL176	Hood River	0.42517	8/17/18	0.42831	8/25/18	0.42710	0.6146	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
HRL177	Hood River	0.42012	8/17/18	0.42683	8/25/18	0.42456	0.6617	P
HRL178	Hood River	0.42366	8/17/18	0.43092	8/25/18	0.42919	0.7617	P
HRL179	Hood River	0.41996	8/17/18	0.42522	8/25/18	0.42384	0.7376	P
HRL180	Hood River	0.42717	8/17/18	0.43257	8/25/18	0.43120	0.7463	P
HRL181	Hood River	0.41809	8/17/18	0.42540	8/25/18	0.42375	0.7743	P
HRL182	Hood River	0.42325	8/17/18	0.43086	8/25/18	0.42874	0.7214	P
HRL183	Hood River	0.42364	8/17/18	0.43166	8/25/18	0.42955	0.7369	P
HRL184	Hood River	0.42706	8/17/18	0.43116	8/25/18	0.43012	0.7463	P
HRL185	Hood River	0.41945	8/17/18	0.42590	8/25/18	0.42407	0.7163	P
HRL186	Hood River	0.42700	8/17/18	0.43243	8/25/18	0.43102	0.7403	P
HRL187	Hood River	0.42292	8/17/18	0.42835	8/25/18	0.42585	0.5396	F
HRL188	Hood River	0.42543	8/17/18	0.43021	8/25/18	0.42891	0.7280	P
HRL189	Hood River	0.42279	8/17/18	0.42926	8/25/18	0.42737	0.7079	P
HRL190	Hood River	0.42370	8/17/18	0.42881	8/25/18	0.42711	0.6673	P
HRL191	Hood River	0.41867	8/17/18	0.42438	8/25/18	0.42310	0.7758	P
HRL192	Hood River	0.41842	8/17/18	0.42249	8/25/18	0.42052	0.5160	W
HRL193	Hood River	0.42270	8/17/18	0.42732	8/25/18	0.42550	0.6061	W
HRL194	Hood River	0.42912	8/17/18	0.43607	8/25/18	0.43432	0.7482	P
HRL195	Hood River	0.42335	8/17/18	0.42707	8/25/18	0.42629	0.7903	P
HRL196	Hood River	0.42247	8/17/18	0.42772	8/25/18	0.42627	0.7238	P
HRL197	Hood River	0.42339	8/17/18	0.42787	8/25/18	0.42600	0.5826	W
HRL198	Hood River	0.44363	8/17/18	0.44981	8/25/18	0.44873	0.8252	P
HRL199	Hood River	0.42324	8/17/18	0.42733	8/25/18	0.42609	0.6968	P
HRL200	Hood River	0.42019	8/17/18	0.42767	8/25/18	0.42494	0.6350	P
HRL201	Hood River	0.42159	8/17/18	0.42580	8/25/18	0.42377	0.5178	W
HRL202	Hood River	0.41895	8/17/18	0.42504	8/25/18	0.42376	0.7898	P
HRL203	Hood River	0.41803	8/17/18	0.42091	8/25/18	0.42019	0.7500	P
HRL204	Hood River	0.42898	8/17/18	0.43388	8/25/18	0.43172	0.5592	W
HRL205	Hood River	0.42208	8/17/18	0.42498	8/25/18	0.42373	0.5690	W
HRL206	Hood River	0.41767	8/17/18	0.42207	8/25/18	0.42120	0.8023	P
HRL207	Hood River	0.41948	8/17/18	0.42444	8/25/18	0.42307	0.7238	P
HRL208	Hood River	0.42546	8/17/18	0.43158	8/25/18	0.43019	0.7729	P
HRL209	Hood River	0.42213	8/17/18	0.42596	8/25/18	0.42449	0.6162	W
HRL210	Hood River	0.42316	8/17/18	0.42530	8/25/18	0.42396	0.3738	
HRL211	Hood River	0.42211	8/17/18	0.42492	8/25/18	0.42300	0.3167	
HRL212	Hood River	0.42307	8/17/18	0.42991	8/25/18	0.42824	0.7558	P
HRL213	Hood River	0.42530	8/17/18	0.42874	8/25/18	0.42787	0.7471	P
HRL214	Hood River	0.42283	8/17/18	0.42651	8/25/18	0.42499	0.5870	W
HRL215	Hood River	0.41789	8/17/18	0.41945	8/25/18	0.41876	0.5577	F
HRL217	Hood River	0.42164	8/18/18	0.42896	8/26/18	0.42680	0.7049	P
HRL218	Hood River	0.42354	8/18/18	0.42898	8/26/18	0.42731	0.6930	P
HRL219	Hood River	0.42331	8/18/18	0.42930	8/26/18	0.42753	0.7045	P
HRL220	Hood River	0.42402	8/18/18	0.42994	8/26/18	0.42835	0.7314	P
HRL221	Hood River	0.42395	8/18/18	0.43233	8/26/18	0.42998	0.7196	P
HRL222	Hood River	0.42383	8/18/18	0.43183	8/26/18	0.42975	0.7400	P
HRL223	Hood River	0.44273	8/18/18	0.45157	8/26/18	0.44901	0.7104	P
HRL224	Hood River	0.42383	8/18/18	0.42923	8/26/18	0.42687	0.5630	P
HRL227	Hood River	0.44334	8/18/18	0.44790	8/26/18	0.44674	0.7456	P
HRL228	Hood River	0.42176	8/18/18	0.42740	8/26/18	0.42614	0.7766	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
HRL229	Hood River	0.42339	8/18/18	0.42952	8/26/18	0.42811	0.7700	P
HRL230	Hood River	0.42089	8/18/18	0.42447	8/26/18	0.42334	0.6844	P
HRL231	Hood River	0.44285	8/18/18	0.44625	8/26/18	0.44494	0.6147	P
HRL232	Hood River	0.42198	8/18/18	0.42527	8/26/18	0.42408	0.6383	P
HRL233	Hood River	0.42486	8/18/18	0.42741	8/26/18	0.42585	0.3882	F
HRL234	Hood River	0.42508	8/18/18	0.42887	8/26/18	0.42664	0.4116	F
HRL235	Hood River	0.42485	8/18/18	0.42873	8/26/18	0.42760	0.7088	P
HRL236	Hood River	0.44291	8/18/18	0.44843	8/26/18	0.44597	0.5543	W
HRL237	Hood River	0.42315	8/18/18	0.42613	8/26/18	0.42509	0.6510	P
HRL238	Hood River	0.42544	8/18/18	0.42889	8/26/18	0.42716	0.4986	W
HRL240	Hood River	0.41895	8/18/18	0.42112	8/26/18	0.41985	0.4147	W
HRL241	Hood River	0.42263	8/18/18	0.42643	8/26/18	0.42538	0.7237	P
HRL242	Hood River	0.42343	8/18/18	0.42708	8/26/18	0.42450	0.2934	F
HRL243	Hood River	0.42156	8/18/18	0.42594	8/26/18	0.42404	0.5662	W
HRL244	Hood River	0.42126	8/18/18	0.42527	8/26/18	0.42416	0.7232	P
HRL245	Hood River	0.44281	8/18/18	0.44775	8/26/18	0.44568	0.5810	W
HRL246	Hood River	0.42129	8/18/18	0.42471	8/26/18	0.42404	0.8041	P
Q0722	Humptulips	0.47134	9/3/20	0.47515	9/11/20	0.47316	0.4777	W
Q0723	Humptulips	0.47084	9/3/20	0.47591	9/11/20	0.47353	0.5306	W
Q0815	Humptulips	0.47903	9/6/20	0.48364	9/14/20	0.48088	0.4013	F
Q0816	Humptulips	0.47902	9/6/20	0.48381	9/14/20	0.48164	0.5470	W
Q0855	Humptulips	0.47949	9/4/20	0.48644	9/12/20	0.48299	0.5036	W
Q0856	Humptulips	0.47698	9/4/20	0.48585	9/12/20	0.48349	0.7339	P
Q0857	Humptulips	0.47907	9/4/20	0.48356	9/12/20	0.48134	0.5056	W
Q0858	Humptulips	0.47920	9/4/20	0.48551	9/12/20	0.48160	0.3810	F
Q0859	Humptulips	0.47845	9/4/20	0.48319	9/12/20	0.48049	0.4304	F
Q1015	Humptulips	0.47826	9/5/20	0.48402	9/13/20	0.48029	0.3524	F
Q1016	Humptulips	0.47900	9/5/20	0.48516	9/13/20	0.48323	0.6867	P
Q1017	Humptulips	0.47839	9/5/20	0.48352	9/13/20	0.48029	0.3704	F
Q1018	Humptulips	0.47975	9/5/20	0.48938	9/13/20	0.48156	0.1880	F
Q1019	Humptulips	0.47341	9/5/20	0.47731	9/13/20	0.47549	0.5333	W
Q1020	Humptulips	0.48046	9/5/20	0.48330	9/13/20	0.48190	0.5070	W
Q1021	Humptulips	0.48169	9/5/20	0.48520	9/13/20	0.48358	0.5385	W
Q1170	Humptulips	0.47754	9/7/20	0.48349	9/15/20	0.48065	0.5227	W
Q1171	Humptulips	0.47561	9/7/20	0.47888	9/15/20	0.47744	0.5596	F
Q1172	Humptulips	0.48025	9/7/20	0.48340	9/15/20	0.48191	0.5270	W
Q1173	Humptulips	0.47911	9/7/20	0.48460	9/15/20	0.48126	0.3916	F
Q1235	Humptulips	0.47964	9/8/20	0.48502	9/16/20	0.48155	0.3550	F
Q1236	Humptulips	0.47671	9/8/20	0.48220	9/16/20	0.47858	0.3406	F
Q1237	Humptulips	0.48076	9/8/20	0.48404	9/16/20	0.48208	0.4024	F
Q1238	Humptulips	0.47864	9/8/20	0.48426	9/16/20	0.48072	0.3701	F
Q1290	Humptulips	0.47903	9/8/20	0.48289	9/16/20	0.48022	0.3083	F
Q1324	Humptulips	0.47738	9/10/20	0.48339	9/18/20	0.48055	0.5275	W
Q1325	Humptulips	0.47985	9/10/20	0.48625	9/18/20	0.48320	0.5234	W
Q1326	Humptulips	0.47833	9/10/20	0.48209	9/18/20	0.48038	0.5452	W
Q1327	Humptulips	0.47772	9/10/20	0.48296	9/18/20	0.48025	0.4828	W
Q1328	Humptulips	0.48008	9/10/20	0.48764	9/18/20	0.48569	0.7421	P
Q1329	Humptulips	0.47889	9/10/20	0.48361	9/18/20	0.48141	0.5339	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q1330	Humptulips	0.47530	9/10/20	0.48131	9/18/20	0.47838	0.5125	W
Q1331	Humptulips	0.47496	9/10/20	0.47941	9/18/20	0.47652	0.3506	F
Q1332	Humptulips	0.47885	9/10/20	0.48438	9/18/20	0.48152	0.4828	W
Q1384	Humptulips	0.47653	9/11/20	0.48147	9/19/20	0.47913	0.5263	W
Q1385	Humptulips	0.47522	9/11/20	0.48116	9/19/20	0.47824	0.5084	W
Q1386	Humptulips	0.48012	9/11/20	0.48477	9/19/20	0.48266	0.5462	W
Q1387	Humptulips	0.47879	9/11/20	0.48222	9/19/20	0.48012	0.3878	W
Q1388	Humptulips	0.48029	9/11/20	0.48402	9/19/20	0.48254	0.6032	P
Q1389	Humptulips	0.47852	9/11/20	0.48298	9/19/20	0.48020	0.3767	F
Q1390	Humptulips	0.47855	9/11/20	0.48351	9/19/20	0.48120	0.5343	W
Q1445	Humptulips	0.47891	9/12/20	0.48729	9/20/20	0.48412	0.6217	P
Q1446	Humptulips	0.47892	9/12/20	0.48497	9/20/20	0.48186	0.4860	W
Q1447	Humptulips	0.48154	9/12/20	0.48740	9/20/20	0.48479	0.5546	W
Q1448	Humptulips	0.47866	9/12/20	0.48345	9/20/20	0.48089	0.4656	W
Q1487	Humptulips	0.48535	9/12/20	0.48889	9/20/20	0.48769	0.6610	P
Q1508	Humptulips	0.47932	9/13/20	0.48225	9/21/20	0.48100	0.5734	W
Q1509	Humptulips	0.48015	9/13/20	0.48433	9/21/20	0.48163	0.3541	F
Q1510	Humptulips	0.47464	9/13/20	0.48174	9/21/20	0.47935	0.6634	P
Q1511	Humptulips	0.47871	9/13/20	0.48408	9/21/20	0.48253	0.7114	P
Q1512	Humptulips	0.47620	9/13/20	0.48288	9/21/20	0.48082	0.6916	P
Q1513	Humptulips	0.48027	9/13/20	0.48306	9/21/20	0.48133	0.3799	F
Q1514	Humptulips	0.47433	9/13/20	0.47964	9/21/20	0.47632	0.3748	F
Q1515	Humptulips	0.48016	9/13/20	0.48435	9/21/20	0.48249	0.5561	W
Q1536	Humptulips	0.47936	9/14/20	0.48933	9/22/20	0.48605	0.6710	P
Q1537	Humptulips	0.47841	9/14/20	0.48272	9/22/20	0.48055	0.4965	W
Q1538	Humptulips	0.47653	9/14/20	0.48330	9/22/20	0.48143	0.7238	P
Q1539	Humptulips	0.47850	9/14/20	0.48635	9/22/20	0.48423	0.7299	P
Q1540	Humptulips	0.47418	9/14/20	0.47780	9/22/20	0.47610	0.5304	W
Q1541	Humptulips	0.47975	9/14/20	0.48441	9/22/20	0.48227	0.5408	P
Q1542	Humptulips	0.47905	9/14/20	0.48150	9/22/20	0.47989	0.3429	F
Q1612	Humptulips	0.47649	9/20/20	0.48481	9/28/20	0.48271	0.7476	P
Q1613	Humptulips	0.47946	9/20/20	0.48427	9/28/20	0.48295	0.7256	P
Q1614	Humptulips	0.48126	9/20/20	0.48477	9/28/20	0.48252	0.3590	F
Q1615	Humptulips	0.48108	9/20/20	0.48632	9/28/20	0.48301	0.3683	F
Q1616	Humptulips	0.48054	9/20/20	0.48614	9/28/20	0.48276	0.3964	F
Q1617	Humptulips	0.47923	9/20/20	0.48435	9/28/20	0.48137	0.4180	F
IQL001	Issaquah	0.41932	9/8/18	0.42222	9/16/18	0.42120	0.6483	W
IQL002	Issaquah	0.42152	9/8/18	0.42562	9/16/18	0.42374	0.5415	W
IQL003	Issaquah	0.42761	9/8/18	0.43164	9/16/18	0.42995	0.5806	W
IQL004	Issaquah	0.42160	9/8/18	0.42454	9/16/18	0.42256	0.3265	F
IQL005	Issaquah	0.42199	9/8/18	0.42694	9/16/18	0.42572	0.7535	P
IQL006	Issaquah	0.42190	9/8/18	0.42595	9/16/18	0.42418	0.5630	W
IQL007	Issaquah	0.42756	9/8/18	0.43286	9/16/18	0.43134	0.7132	P
IQL008	Issaquah	0.42490	9/8/18	0.43122	9/16/18	0.42953	0.7326	P
IQL009	Issaquah	0.42174	9/8/18	0.42577	9/16/18	0.42403	0.5682	W
IQL010	Issaquah	0.44832	9/8/18	0.45121	9/16/18	0.44973	0.4879	W
IQL011	Issaquah	0.42516	9/8/18	0.42879	9/16/18	0.42743	0.6253	F
IQL012	Issaquah	0.42166	9/8/18	0.42636	9/16/18	0.42421	0.5426	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
IQL013	Issaquah	0.45016	9/8/18	0.45487	9/16/18	0.45366	0.7431	P
IQL014	Issaquah	0.42284	9/8/18	0.42792	9/16/18	0.42565	0.5531	W
IQL015	Issaquah	0.42177	9/8/18	0.42726	9/16/18	0.42571	0.7177	P
IQL016	Issaquah	0.42163	9/8/18	0.42706	9/16/18	0.42557	0.7256	P
IQL017	Issaquah	0.42133	9/8/18	0.42614	9/16/18	0.42393	0.5405	W
IQL018	Issaquah	0.42208	9/8/18	0.42701	9/16/18	0.42541	0.6755	P
IQL019	Issaquah	0.42385	9/8/18	0.42876	9/16/18	0.42659	0.5580	W
IQL020	Issaquah	0.42356	9/8/18	0.42620	9/16/18	0.42496	0.5303	F
IQL021	Issaquah	0.42388	9/8/18	0.42752	9/16/18	0.42583	0.5357	W
IQL022	Issaquah	0.42145	9/8/18	0.42645	9/16/18	0.42421	0.5520	W
IQL023	Issaquah	0.42386	9/8/18	0.42929	9/16/18	0.42675	0.5322	W
IQL024	Issaquah	0.42333	9/8/18	0.42433	9/16/18	0.42353	0.2000	
IQL025	Issaquah	0.41926	9/9/18	0.42281	9/17/18	0.42061	0.3803	F
IQL026	Issaquah	0.42374	9/9/18	0.42752	9/17/18	0.42648	0.7249	P
IQL027	Issaquah	0.42534	9/9/18	0.43227	9/17/18	0.43028	0.7128	P
IQL028	Issaquah	0.42135	9/9/18	0.42570	9/17/18	0.42377	0.5563	W
IQL029	Issaquah	0.45009	9/9/18	0.45415	9/17/18	0.45224	0.5296	W
IQL030	Issaquah	0.42202	9/9/18	0.42592	9/17/18	0.42412	0.5385	W
IQL031	Issaquah	0.44312	9/9/18	0.44580	9/17/18	0.44442	0.4851	W
IQL032	Issaquah	0.42385	9/9/18	0.43013	9/17/18	0.42826	0.7022	P
IQL033	Issaquah	0.46742	9/9/18	0.47289	9/17/18	0.47025	0.5174	W
IQL034	Issaquah	0.42251	9/9/18	0.42473	9/17/18	0.42366	0.5180	W
IQL035	Issaquah	0.42220	9/9/18	0.42740	9/17/18	0.42508	0.5538	W
IQL036	Issaquah	0.45574	9/9/18	0.46251	9/17/18	0.45994	0.6204	W
IQL037	Issaquah	0.46764	9/9/18	0.47268	9/17/18	0.47057	0.5813	W
IQL038	Issaquah	0.42762	9/9/18	0.43176	9/17/18	0.42963	0.4855	W
IQL039	Issaquah	0.41844	9/9/18	0.42261	9/17/18	0.42070	0.5420	W
IQL040	Issaquah	0.45048	9/9/18	0.45506	9/17/18	0.45372	0.7074	P
IQL041	Issaquah	0.42527	9/9/18	0.42826	9/17/18	0.42673	0.4883	W
IQL042	Issaquah	0.41819	9/10/18	0.42248	9/18/18	0.42062	0.5664	W
IQL043	Issaquah	0.44331	9/10/18	0.44834	9/18/18	0.44667	0.6680	P
IQL044	Issaquah	0.46757	9/10/18	0.47365	9/18/18	0.47221	0.7632	P
IQL045	Issaquah	0.41820	9/10/18	0.42160	9/18/18	0.41994	0.5118	W
IQL046	Issaquah	0.42224	9/10/18	0.42796	9/18/18	0.42587	0.6346	W
IQL047	Issaquah	0.41816	9/10/18	0.42475	9/18/18	0.42297	0.7299	P
IQL048	Issaquah	0.42084	9/10/18	0.42552	9/18/18	0.42346	0.5598	W
IQL049	Issaquah	0.42289	9/10/18	0.42817	9/18/18	0.42574	0.5398	W
IQL050	Issaquah	0.46760	9/10/18	0.47388	9/18/18	0.47099	0.5398	W
IQL051	Issaquah	0.46750	9/10/18	0.47239	9/18/18	0.46998	0.5072	W
IQL052	Issaquah	0.42395	9/10/18	0.42875	9/18/18	0.42658	0.5479	W
IQL053	Issaquah	0.45562	9/10/18	0.46053	9/18/18	0.45929	0.7475	P
IQL054	Issaquah	0.42255	9/10/18	0.42753	9/18/18	0.42623	0.7390	P
IQL055	Issaquah	0.42233	9/10/18	0.42693	9/18/18	0.42497	0.5739	W
IQL056	Issaquah	0.46767	9/10/18	0.47147	9/18/18	0.46976	0.5500	W
IQL057	Issaquah	0.46792	9/10/18	0.47237	9/18/18	0.47031	0.5371	W
IQL058	Issaquah	0.46769	9/10/18	0.47114	9/18/18	0.46895	0.3652	F
IQL059	Issaquah	0.42256	9/10/18	0.42737	9/18/18	0.42549	0.6091	W
IQL060	Issaquah	0.42504	9/10/18	0.42977	9/18/18	0.42851	0.7336	P
IQL061	Issaquah	0.45593	9/10/18	0.46082	9/18/18	0.45962	0.7546	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
IQL062	Issaquah	0.42126	9/10/18	0.42781	9/18/18	0.42605	0.7313	P
IQL063	Issaquah	0.42656	9/10/18	0.43130	9/18/18	0.43007	0.7405	P
IQL064	Issaquah	0.42269	9/10/18	0.42549	9/18/18	0.42421	0.5429	W
IQL065	Issaquah	0.42285	9/10/18	0.42693	9/18/18	0.42519	0.5735	W
IQL066	Issaquah	0.42781	9/10/18	0.43345	9/18/18	0.43219	0.7766	P
IQL067	Issaquah	0.42257	9/10/18	0.42634	9/18/18	0.42531	0.7268	P
IQL068	Issaquah	0.42840	9/10/18	0.43104	9/18/18	0.43001	0.6098	W
IQL069	Issaquah	0.42517	9/11/18	0.43113	9/19/18	0.42934	0.6997	P
IQL070	Issaquah	0.42169	9/11/18	0.42633	9/19/18	0.42412	0.5237	W
IQL071	Issaquah	0.41937	9/11/18	0.42527	9/19/18	0.42271	0.5661	W
IQL072	Issaquah	0.46799	9/11/18	0.47398	9/19/18	0.47125	0.5442	W
IQL073	Issaquah	0.46801	9/11/18	0.47190	9/19/18	0.47091	0.7455	P
IQL074	Issaquah	0.42175	9/11/18	0.42637	9/19/18	0.42432	0.5563	W
IQL075	Issaquah	0.46770	9/11/18	0.47454	9/19/18	0.47077	0.4488	F
IQL076	Issaquah	0.42156	9/11/18	0.42664	9/19/18	0.42517	0.7106	P
IQL077	Issaquah	0.42264	9/11/18	0.42921	9/19/18	0.42738	0.7215	P
IQL078	Issaquah	0.42261	9/11/18	0.42810	9/19/18	0.42649	0.7067	P
IQL079	Issaquah	0.41830	9/11/18	0.42271	9/19/18	0.42076	0.5578	W
IQL080	Issaquah	0.42557	9/11/18	0.42897	9/19/18	0.42748	0.5618	W
IQL081	Issaquah	0.42580	9/11/18	0.43296	9/19/18	0.42979	0.5573	W
IQL082	Issaquah	0.42251	9/11/18	0.42629	9/19/18	0.42526	0.7275	P
IQL083	Issaquah	0.42098	9/11/18	0.42627	9/19/18	0.42386	0.5444	W
IQL084	Issaquah	0.42298	9/11/18	0.42780	9/19/18	0.42656	0.7427	P
IQL085	Issaquah	0.46802	9/11/18	0.47387	9/19/18	0.47207	0.6923	P
IQL086	Issaquah	0.46800	9/11/18	0.47264	9/19/18	0.47077	0.5970	F
IQL087	Issaquah	0.45592	9/11/18	0.46274	9/19/18	0.46110	0.7595	P
IQL088	Issaquah	0.41811	9/11/18	0.42292	9/19/18	0.42067	0.5322	W
IQL089	Issaquah	0.41840	9/11/18	0.42247	9/19/18	0.42129	0.7101	P
IQL090	Issaquah	0.42820	9/11/18	0.43303	9/19/18	0.43175	0.7350	P
IQL091	Issaquah	0.42119	9/11/18	0.42617	9/19/18	0.42492	0.7490	P
IQL092	Issaquah	0.42125	9/11/18	0.42438	9/19/18	0.42353	0.7284	P
IQL093	Issaquah	0.42267	9/11/18	0.42623	9/19/18	0.42515	0.6966	P
IQL094	Issaquah	0.42811	9/11/18	0.43293	9/19/18	0.43072	0.5415	W
IQL095	Issaquah	0.41817	9/11/18	0.42178	9/19/18	0.42025	0.5762	W
IQL096	Issaquah	0.42063	9/11/18	0.42590	9/19/18	0.42447	0.7287	P
IQL097	Issaquah	0.42237	9/11/18	0.42856	9/19/18	0.42621	0.6204	W
IQL098	Issaquah	0.42568	9/11/18	0.43064	9/19/18	0.42904	0.6774	P
IQL099	Issaquah	0.41915	9/11/18	0.42428	9/19/18	0.42207	0.5692	W
IQL100	Issaquah	0.42114	9/11/18	0.42667	9/19/18	0.42395	0.5081	W
KVL001	Kettle Valley	0.42286	8/3/17	0.42784	8/11/17	0.42684	0.7992	
KVL002	Kettle Valley	0.42758	8/3/17	0.42917	8/11/17	0.42813	0.3459	
KVL003	Kettle Valley	0.41765	8/3/17	0.42409	8/11/17	0.42170	0.6289	
KVL004	Kettle Valley	0.42391	8/3/17	0.42900	8/11/17	0.42571	0.3536	
KVL005	Kettle Valley	0.42269	8/3/17	0.42725	8/11/17	0.42551	0.6184	
KVL006	Kettle Valley	0.42131	8/3/17	0.42318	8/11/17	0.42181	0.2674	
KVL007	Kettle Valley	0.42136	8/3/17	0.42214	8/11/17	0.42163	0.3462	
KVL008	Kettle Valley	0.42243	8/3/17	0.42911	8/11/17	0.42499	0.3832	
KVL009	Kettle Valley	0.41835	8/4/17	0.42374	8/12/17	0.42256	0.7811	

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
KVL010	Kettle Valley	0.42335	8/4/17	0.42500	8/12/17	0.42394	0.3576	
KVL011	Kettle Valley	0.42766	8/6/17	0.43173	8/14/17	0.43042	0.6781	
KVL012	Kettle Valley	0.41758	8/6/17	0.42077	8/14/17	0.41982	0.7022	
KVL013	Kettle Valley	0.41837	8/6/17	0.42337	8/14/17	0.42239	0.8040	
KVL014	Kettle Valley	0.42406	8/6/17	0.43154	8/14/17	0.42981	0.7687	
KVL015	Kettle Valley	0.42859	8/6/17	0.43414	8/14/17	0.43300	0.7946	
KVL016	Kettle Valley	0.41905	8/7/17	0.42614	8/15/17	0.42468	0.7941	
KVL017	Kettle Valley	0.41882	8/7/17	0.42279	8/15/17	0.42189	0.7733	
KVL018	Kettle Valley	0.42414	8/7/17	0.42876	8/15/17	0.42779	0.7900	
KVL019	Kettle Valley	0.42858	8/7/17	0.43566	8/15/17	0.43435	0.8150	
KVL024	Kettle Valley	0.42340	8/8/17	0.42904	8/16/17	0.42651	0.5514	
KVL025	Kettle Valley	0.42055	8/8/17	0.42652	8/16/17	0.42509	0.7605	
KVL026	Kettle Valley	0.41801	8/8/17	0.42665	8/16/17	0.42432	0.7303	
KVL027	Kettle Valley	0.43001	8/8/17	0.43637	8/16/17	0.43480	0.7531	
KVL028	Kettle Valley	0.41981	8/8/17	0.42717	8/16/17	0.42522	0.7351	
KVL031	Kettle Valley	0.42395	8/9/17	0.42977	8/17/17	0.42860	0.7990	
KVL032	Kettle Valley	0.41775	8/9/17	0.42409	8/17/17	0.42154	0.5978	
KVL033	Kettle Valley	0.42104	8/9/17	0.42663	8/17/17	0.42303	0.3560	
KVL034	Kettle Valley	0.41861	8/9/17	0.42428	8/17/17	0.42311	0.7937	
KVL035	Kettle Valley	0.41836	8/9/17	0.42590	8/17/17	0.42421	0.7759	
KVL036	Kettle Valley	0.42337	8/9/17	0.42898	8/17/17	0.42767	0.7665	
KVL037	Kettle Valley	0.42591	8/9/17	0.43124	8/17/17	0.43005	0.7767	
KVL038	Kettle Valley	0.42559	8/9/17	0.43080	8/17/17	0.42970	0.7889	
KVL039	Kettle Valley	0.43134	8/9/17	0.43679	8/17/17	0.43456	0.5908	
KVL040	Kettle Valley	0.42504	8/9/17	0.43116	8/17/17	0.42975	0.7696	
KVL041	Kettle Valley	0.41715	8/9/17	0.42310	8/17/17	0.42197	0.8101	
KVL042	Kettle Valley	0.41768	8/9/17	0.42541	8/17/17	0.42373	0.7827	
KVL044	Kettle Valley	0.41986	8/10/17	0.42840	8/18/17	0.42630	0.7541	
KVL045	Kettle Valley	0.42037	8/10/17	0.42583	8/18/17	0.42460	0.7747	
KVL046	Kettle Valley	0.41702	8/10/17	0.42488	8/18/17	0.42308	0.7710	
KVL047	Kettle Valley	0.41833	8/10/17	0.42474	8/18/17	0.42357	0.8175	
KVL048	Kettle Valley	0.42587	8/10/17	0.43165	8/18/17	0.43028	0.7630	
KVL049	Kettle Valley	0.41927	8/10/17	0.42377	8/18/17	0.42297	0.8222	
KVL050	Kettle Valley	0.41843	8/10/17	0.42613	8/18/17	0.42444	0.7805	
KVL051	Kettle Valley	0.42097	8/10/17	0.42772	8/18/17	0.42634	0.7956	
KVL052	Kettle Valley	0.42767	8/10/17	0.43454	8/18/17	0.43241	0.6900	
KVL053	Kettle Valley	0.41973	8/10/17	0.42613	8/18/17	0.42470	0.7766	
KVL054	Kettle Valley	0.42561	8/10/17	0.43116	8/18/17	0.42985	0.7640	
KVL055	Kettle Valley	0.41880	8/10/17	0.42640	8/18/17	0.42464	0.7684	
KVL056	Kettle Valley	0.41815	8/10/17	0.42368	8/18/17	0.42240	0.7685	
KVL057	Kettle Valley	0.42073	8/10/17	0.42415	8/18/17	0.42299	0.6608	
KVL058	Kettle Valley	0.41954	8/10/17	0.42486	8/18/17	0.42369	0.7801	
KVL059	Kettle Valley	0.41860	8/10/17	0.42501	8/18/17	0.42230	0.5772	
KVL060	Kettle Valley	0.41896	8/10/17	0.42541	8/18/17	0.42400	0.7814	
KVL061	Kettle Valley	0.42113	8/10/17	0.42553	8/18/17	0.42448	0.7614	
KVL062	Kettle Valley	0.43044	8/10/17	0.43685	8/18/17	0.43544	0.7800	
KVL063	Kettle Valley	0.41979	8/10/17	0.42525	8/18/17	0.42406	0.7821	
KVL064	Kettle Valley	0.42268	8/10/17	0.42618	8/18/17	0.42519	0.7171	
KVL065	Kettle Valley	0.42014	8/10/17	0.42510	8/18/17	0.42391	0.7601	

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
KVL066	Kettle Valley	0.42028	8/10/17	0.42454	8/18/17	0.42335	0.7207	
KVL067	Kettle Valley	0.42379	8/10/17	0.42940	8/18/17	0.42702	0.5758	
KVL068	Kettle Valley	0.41726	8/10/17	0.42033	8/18/17	0.41928	0.6580	
KVL069	Kettle Valley	0.42305	8/10/17	0.43158	8/18/17	0.42971	0.7808	
KVL070	Kettle Valley	0.41756	8/11/17	0.42620	8/19/17	0.42426	0.7755	
KVL071	Kettle Valley	0.42355	8/11/17	0.43042	8/19/17	0.42841	0.7074	
KVL072	Kettle Valley	0.42100	8/11/17	0.42968	8/19/17	0.42776	0.7788	
KVL073	Kettle Valley	0.41928	8/11/17	0.42443	8/19/17	0.42347	0.8136	
KVL074	Kettle Valley	0.42593	8/11/17	0.43154	8/19/17	0.42894	0.5365	
KVL075	Kettle Valley	0.42372	8/11/17	0.42846	8/19/17	0.42643	0.5717	
KVL076	Kettle Valley	0.41846	8/11/17	0.42605	8/19/17	0.42422	0.7589	
KVL077	Kettle Valley	0.41785	8/11/17	0.42279	8/19/17	0.42126	0.6903	
KVL078	Kettle Valley	0.42411	8/11/17	0.42959	8/19/17	0.42838	0.7792	
KVL079	Kettle Valley	0.43091	8/11/17	0.43717	8/19/17	0.43571	0.7668	
KVL080	Kettle Valley	0.42120	8/11/17	0.42834	8/19/17	0.42662	0.7591	
KVL081	Kettle Valley	0.42739	8/11/17	0.43162	8/19/17	0.42998	0.6123	
KVL082	Kettle Valley	0.42200	8/11/17	0.42875	8/19/17	0.42728	0.7822	P
KVL083	Kettle Valley	0.41950	8/11/17	0.42767	8/19/17	0.42577	0.7674	P
KVL084	Kettle Valley	0.42394	8/11/17	0.42940	8/19/17	0.42822	0.7839	
KVL085	Kettle Valley	0.42396	8/11/17	0.42756	8/19/17	0.42659	0.7306	
KVL086	Kettle Valley	0.42658	8/11/17	0.43283	8/19/17	0.43126	0.7488	
KVL087	Kettle Valley	0.41945	8/11/17	0.42245	8/19/17	0.42167	0.7400	
KVL088	Kettle Valley	0.41821	8/11/17	0.42624	8/19/17	0.42451	0.7846	P
KVL089	Kettle Valley	0.41922	8/11/17	0.42493	8/19/17	0.42236	0.5499	
KVL090	Kettle Valley	0.43021	8/11/17	0.43971	8/19/17	0.43751	0.7684	
KVL091	Kettle Valley	0.42283	8/11/17	0.42948	8/19/17	0.42783	0.7519	P
KVL092	Kettle Valley	0.42191	8/12/17	0.42782	8/20/17	0.42626	0.7360	P
KVL093	Kettle Valley	0.42491	8/12/17	0.43115	8/20/17	0.42968	0.7644	P
KVL094	Kettle Valley	0.41882	8/12/17	0.42694	8/20/17	0.42501	0.7623	P
KVL095	Kettle Valley	0.42652	8/12/17	0.43254	8/20/17	0.43120	0.7774	P
KVL096	Kettle Valley	0.42473	8/12/17	0.43426	8/20/17	0.43193	0.7555	P
KVL097	Kettle Valley	0.41833	8/12/17	0.42233	8/20/17	0.42148	0.7875	P
KVL098	Kettle Valley	0.41851	8/12/17	0.42617	8/20/17	0.42450	0.7820	P
KVL099	Kettle Valley	0.41803	8/12/17	0.42342	8/20/17	0.42215	0.7644	P
KVL100	Kettle Valley	0.42354	8/12/17	0.42860	8/20/17	0.42668	0.6206	W
LGL001	LaGrande	0.41846	8/14/18	0.42552	8/22/18	0.42361	0.7295	P
LGL002	LaGrande	0.42599	8/14/18	0.43358	8/22/18	0.43181	0.7668	P
LGL003	LaGrande	0.41691	8/15/18	0.42073	8/23/18	0.41982	0.7618	P
LGL004	LaGrande	0.41941	8/15/18	0.42300	8/23/18	0.42213	0.7577	P
LGL005	LaGrande	0.42590	8/15/18	0.43138	8/23/18	0.42819	0.4179	F
LGL006	LaGrande	0.42570	8/15/18	0.42863	8/23/18	0.42672	0.3481	F
LGL007	LaGrande	0.42405	8/16/18	0.42907	8/24/18	0.42757	0.7012	P
LGL008	LaGrande	0.42001	8/16/18	0.42636	8/24/18	0.42476	0.7480	P
LGL009	LaGrande	0.42302	8/16/18	0.42545	8/24/18	0.42399	0.3992	P
LGL010	LaGrande	0.42584	8/18/18	0.42883	8/26/18	0.42781	0.6589	P
LGL011	LaGrande	0.42779	8/18/18	0.43321	8/26/18	0.43174	0.7288	P
LGL012	LaGrande	0.41992	8/19/18	0.42290	8/27/18	0.42200	0.6980	P
LGL013	LaGrande	0.42034	8/19/18	0.42319	8/27/18	0.42225	0.6702	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
LGL014	LaGrande	0.42342	8/20/18	0.42898	8/28/18	0.42756	0.7446	P
LGL015	LaGrande	0.42276	8/20/18	0.42768	8/28/18	0.42646	0.7520	P
LGL016	LaGrande	0.41810	8/21/18	0.42252	8/29/18	0.42155	0.7805	P
LGL017	LaGrande	0.41847	8/21/18	0.42192	8/29/18	0.42073	0.6551	P
LVL001	Leavenworth 2017	0.42140	8/31/17	0.42254	9/8/17	0.42167	0.2368	
LVL002	Leavenworth 2017	0.42578	8/31/17	0.43276	9/8/17	0.43245	0.9556	
LVL003	Leavenworth 2017	0.41801	8/31/17	0.42365	9/8/17	0.42016	0.3812	
LVL004	Leavenworth 2017	0.41955	8/31/17	0.42215	9/8/17	0.42160	0.7885	
LVL005	Leavenworth 2017	0.41778	8/31/17	0.42390	9/8/17	0.42137	0.5866	
LVL006	Leavenworth 2017	0.41645	8/31/17	0.42140	9/8/17	0.41813	0.3394	
LVL007	Leavenworth 2017	0.42631	8/31/17	0.42862	9/8/17	0.42851	0.9524	
LVL008	Leavenworth 2017	0.42416	8/31/17	0.42827	9/8/17	0.42802	0.9392	
LVL009	Leavenworth 2017	0.42447	8/31/17	0.43038	9/8/17	0.42877	0.7276	
LVL010	Leavenworth 2017	0.41846	8/31/17	0.42175	9/8/17	0.42035	0.5745	
LVL011	Leavenworth 2017	0.41842	8/31/17	0.42418	9/8/17	0.42174	0.5764	
LVL012	Leavenworth 2017	0.41855	8/31/17	0.42391	9/8/17	0.42347	0.9179	
LVL013	Leavenworth 2017	0.41803	8/31/17	0.42568	9/8/17	0.42387	0.7634	
LVL014	Leavenworth 2017	0.42278	8/31/17	0.42616	9/8/17	0.42583	0.9024	
LVL015	Leavenworth 2017	0.41912	8/31/17	0.42350	9/8/17	0.42066	0.3516	
LVL016	Leavenworth 2017	0.41825	8/31/17	0.42179	9/8/17	0.42054	0.6469	
LVL017	Leavenworth 2017	0.41826	8/31/17	0.42317	9/8/17	0.42110	0.5784	W
LVL018	Leavenworth 2017	0.42026	9/1/17	0.42585	9/9/17	0.42441	0.7424	P
LVL019	Leavenworth 2017	0.41936	9/1/17	0.42498	9/9/17	0.42341	0.7206	
LVL020	Leavenworth 2017	0.42286	9/1/17	0.42783	9/9/17	0.42641	0.7143	P
LVL021	Leavenworth 2017	0.41792	9/1/17	0.42330	9/9/17	0.42095	0.5632	
LVL022	Leavenworth 2017	0.41991	9/1/17	0.42342	9/9/17	0.42302	0.8860	
LVL023	Leavenworth 2017	0.42421	9/1/17	0.42731	9/9/17	0.42655	0.7548	
LVL024	Leavenworth 2017	0.41760	9/1/17	0.42130	9/9/17	0.41955	0.5270	
LVL025	Leavenworth 2017	0.43007	9/2/17	0.43635	9/10/17	0.43506	0.7946	P
LVL026	Leavenworth 2017	0.42012	9/2/17	0.42638	9/10/17	0.42447	0.6949	
LVL027	Leavenworth 2017	0.41783	9/2/17	0.42283	9/10/17	0.42171	0.7760	
LVL028	Leavenworth 2017	0.41721	9/2/17	0.42255	9/10/17	0.41908	0.3502	
LVL029	Leavenworth 2017	0.42222	9/2/17	0.42765	9/10/17	0.42530	0.5672	
LVL030	Leavenworth 2017	0.42399	9/2/17	0.42829	9/10/17	0.42642	0.5651	
LVL031	Leavenworth 2017	0.42109	9/2/17	0.42612	9/10/17	0.42501	0.7793	
LVL032	Leavenworth 2017	0.41998	9/2/17	0.42333	9/10/17	0.42204	0.6149	
LVL033	Leavenworth 2017	0.42061	9/2/17	0.42441	9/10/17	0.42346	0.7500	
LVL034	Leavenworth 2017	0.41866	9/2/17	0.42176	9/10/17	0.41978	0.3613	
LVL035	Leavenworth 2017	0.41738	9/2/17	0.42108	9/10/17	0.41958	0.5946	
LVL036	Leavenworth 2017	0.41619	9/2/17	0.41629	9/10/17	0.41626	0.7000	
LVL038	Leavenworth 2017	0.42284	9/3/17	0.42658	9/11/17	0.42414	0.3476	
LVL039	Leavenworth 2017	0.41992	9/3/17	0.42301	9/11/17	0.42123	0.4239	
LVL040	Leavenworth 2017	0.43021	9/3/17	0.43385	9/11/17	0.43242	0.6071	
LVL041	Leavenworth 2017	0.42711	9/3/17	0.43147	9/11/17	0.42942	0.5298	
LVL042	Leavenworth 2017	0.41708	9/3/17	0.42179	9/11/17	0.41991	0.6008	
LVL043	Leavenworth 2017	0.42753	9/3/17	0.43115	9/11/17	0.43030	0.7652	P
LVL044	Leavenworth 2017	0.42072	9/3/17	0.42548	9/11/17	0.42429	0.7500	
LVL045	Leavenworth 2017	0.42182	9/3/17	0.42406	9/11/17	0.42322	0.6250	

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LVL046	Leavenworth 2017	0.42186	9/3/17	0.42652	9/11/17	0.42444	0.5536	
LVL047	Leavenworth 2017	0.41719	9/3/17	0.42018	9/11/17	0.41954	0.7860	
LVL048	Leavenworth 2017	0.41911	9/3/17	0.42401	9/11/17	0.42181	0.5510	
LVL049	Leavenworth 2017	0.42748	9/3/17	0.43381	9/11/17	0.43244	0.7836	
LVL050	Leavenworth 2017	0.42036	9/3/17	0.42428	9/11/17	0.42176	0.3571	
LVL051	Leavenworth 2017	0.41935	9/3/17	0.42537	9/11/17	0.42398	0.7691	
LVL052	Leavenworth 2017	0.41778	9/3/17	0.42073	9/11/17	0.41947	0.5729	F
LVL053	Leavenworth 2017	0.42371	9/3/17	0.42712	9/11/17	0.42615	0.7155	
LVL054	Leavenworth 2017	0.41883	9/3/17	0.42081	9/11/17	0.41950	0.3384	
LVL055	Leavenworth 2017	0.41972	9/3/17	0.42530	9/11/17	0.42270	0.5341	P
LVL056	Leavenworth 2017	0.41851	9/3/17	0.42244	9/11/17	0.42081	0.5852	
LVL057	Leavenworth 2017	0.42209	9/3/17	0.42668	9/11/17	0.42572	0.7908	
LVL058	Leavenworth 2017	0.41845	9/4/17	0.42211	9/12/17	0.42111	0.7268	
LVL059	Leavenworth 2017	0.42238	9/4/17	0.42406	9/12/17	0.42307	0.4107	
LVL060	Leavenworth 2017	0.42122	9/4/17	0.42354	9/12/17	0.42256	0.5776	
LVL061	Leavenworth 2017	0.42808	9/4/17	0.43322	9/12/17	0.43096	0.5603	
LVL062	Leavenworth 2017	0.41695	9/4/17	0.42074	9/12/17	0.41931	0.6227	
LVL063	Leavenworth 2017	0.42007	9/4/17	0.42465	9/12/17	0.42344	0.7358	
LVL064	Leavenworth 2017	0.42739	9/4/17	0.43019	9/12/17	0.42839	0.3571	
LVL065	Leavenworth 2017	0.41638	9/4/17	0.42182	9/12/17	0.42020	0.7022	
LVL066	Leavenworth 2017	0.41988	9/4/17	0.42269	9/12/17	0.42192	0.7260	
LVL067	Leavenworth 2017	0.42216	9/4/17	0.42593	9/12/17	0.42500	0.7533	
LVL068	Leavenworth 2017	0.42416	9/4/17	0.42886	9/12/17	0.42803	0.8234	P
LVL069	Leavenworth 2017	0.42628	9/5/17	0.43109	9/13/17	0.42955	0.6798	P
LVL070	Leavenworth 2017	0.43026	9/5/17	0.43285	9/13/17	0.43188	0.6255	
LVL071	Leavenworth 2017	0.42966	9/5/17	0.43319	9/13/17	0.43201	0.6657	
LVL072	Leavenworth 2017	0.42193	9/5/17	0.42646	9/13/17	0.42436	0.5364	W
LVL073	Leavenworth 2017	0.41853	9/5/17	0.42097	9/13/17	0.42008	0.6352	
LVL074	Leavenworth 2017	0.42991	9/5/17	0.43668	9/13/17	0.43428	0.6455	P
LVL075	Leavenworth 2017	0.42373	9/5/17	0.42669	9/13/17	0.42572	0.6723	
LVL076	Leavenworth 2017	0.41874	9/5/17	0.42567	9/13/17	0.42415	0.7807	P
LVL077	Leavenworth 2017	0.41709	9/5/17	0.41986	9/13/17	0.41912	0.7329	P
LVL078	Leavenworth 2017	0.41658	9/5/17	0.41957	9/13/17	0.41772	0.3813	
LVL079	Leavenworth 2017	0.42635	9/5/17	0.42955	9/13/17	0.42857	0.6938	
LVL080	Leavenworth 2017	0.41983	9/5/17	0.42212	9/13/17	0.42104	0.5284	W
LVL081	Leavenworth 2017	0.42231	9/5/17	0.42481	9/13/17	0.42332	0.4040	
LVL082	Leavenworth 2017	0.42255	9/5/17	0.42628	9/13/17	0.42525	0.7239	
LVL083	Leavenworth 2017	0.42697	9/6/17	0.43190	9/14/17	0.43041	0.6978	P
LVL084	Leavenworth 2017	0.41881	9/6/17	0.42163	9/14/17	0.42025	0.5106	
LVL085	Leavenworth 2017	0.42107	9/6/17	0.42466	9/14/17	0.42374	0.7437	
LVL086	Leavenworth 2017	0.41922	9/6/17	0.42465	9/14/17	0.42337	0.7643	
LVL087	Leavenworth 2017	0.41737	9/6/17	0.41933	9/14/17	0.41848	0.5663	
LVL088	Leavenworth 2017	0.43048	9/6/17	0.43155	9/14/17	0.43089	0.3832	
LVL089	Leavenworth 2017	0.42248	9/6/17	0.42770	9/14/17	0.42585	0.6456	
LVL090	Leavenworth 2017	0.42057	9/6/17	0.42253	9/14/17	0.42165	0.5510	
LVL091	Leavenworth 2017	0.41919	9/6/17	0.42584	9/14/17	0.42412	0.7414	P
LVL092	Leavenworth 2017	0.42049	9/6/17	0.42577	9/14/17	0.42397	0.6591	
LVL093	Leavenworth 2017	0.43009	9/6/17	0.43344	9/14/17	0.43207	0.5910	
LVL094	Leavenworth 2017	0.42205	9/6/17	0.42326	9/14/17	0.42319	0.9421	

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LVL095	Leavenworth 2017	0.42275	9/6/17	0.42950	9/14/17	0.42792	0.7659	P
LVL096	Leavenworth 2017	0.42282	9/6/17	0.42596	9/14/17	0.42383	0.3217	
LVL097	Leavenworth 2017	0.42738	9/6/17	0.43012	9/14/17	0.42947	0.7628	
LVL098	Leavenworth 2017	0.42240	9/6/17	0.42560	9/14/17	0.42482	0.7562	
LVL099	Leavenworth 2017	0.41603	9/7/17	0.41879	9/15/17	0.41758	0.5616	
LVL100	Leavenworth 2017	0.41780	9/7/17	0.42236	9/15/17	0.42036	0.5614	
Y140	Leavenworth 2019	0.42458	9/5/19	0.43064	9/13/19	0.42773	0.5198	W
Y141	Leavenworth 2019	0.42184	9/5/19	0.42724	9/13/19	0.42550	0.6778	F
Y142	Leavenworth 2019	0.42634	9/6/19	0.42862	9/14/19	0.42742	0.4737	F
Y143	Leavenworth 2019	0.41875	9/6/19	0.42451	9/14/19	0.42220	0.5990	
Y144	Leavenworth 2019	0.41895	9/6/19	0.42573	9/14/19	0.42317	0.6224	P
Y145	Leavenworth 2019	0.42190	9/6/19	0.42738	9/14/19	0.42482	0.5328	W
Y146	Leavenworth 2019	0.42625	9/6/19	0.43165	9/14/19	0.42949	0.6000	W
Y147	Leavenworth 2019	0.42313	9/6/19	0.42806	9/14/19	0.42638	0.6592	W
Y148	Leavenworth 2019	0.41904	9/6/19	0.42491	9/14/19	0.42264	0.6133	
Y149	Leavenworth 2019	0.42308	9/6/19	0.42773	9/14/19	0.42633	0.6989	P
Y150	Leavenworth 2019	0.41913	9/6/19	0.42327	9/14/19	0.42145	0.5604	W
Y151	Leavenworth 2019	0.42422	9/6/19	0.42950	9/14/19	0.42773	0.6648	W
Y153	Leavenworth 2019	0.42310	9/7/19	0.42712	9/15/19	0.42530	0.5473	W
Y154	Leavenworth 2019	0.42308	9/7/19	0.42969	9/15/19	0.42669	0.5461	P
Y155	Leavenworth 2019	0.42294	9/7/19	0.42680	9/15/19	0.42447	0.3964	F
Y156	Leavenworth 2019	0.42881	9/7/19	0.43452	9/15/19	0.43202	0.5622	W
Y157	Leavenworth 2019	0.42239	9/7/19	0.42500	9/15/19	0.42422	0.7011	P
Y158	Leavenworth 2019	0.42013	9/7/19	0.42413	9/15/19	0.42216	0.5075	W
Y159	Leavenworth 2019	0.42157	9/7/19	0.42694	9/15/19	0.42471	0.5847	
Y160	Leavenworth 2019	0.42749	9/7/19	0.43570	9/15/19	0.43359	0.7430	P
Y161	Leavenworth 2019	0.42737	9/7/19	0.43222	9/15/19	0.43027	0.5979	W
Y162	Leavenworth 2019	0.42626	9/7/19	0.43089	9/15/19	0.42967	0.7365	P
Y163	Leavenworth 2019	0.42643	9/7/19	0.43470	9/15/19	0.43092	0.5429	W
Y164	Leavenworth 2019	0.41904	9/7/19	0.42192	9/15/19	0.42071	0.5799	W
Y165	Leavenworth 2019	0.45673	9/7/19	0.46309	9/15/19	0.46054	0.5991	W
Y166	Leavenworth 2019	0.42335	9/8/19	0.42893	9/16/19	0.42579	0.4373	F
Y167	Leavenworth 2019	0.41979	9/8/19	0.42542	9/16/19	0.42229	0.4440	F
Y168	Leavenworth 2019	0.41929	9/8/19	0.42489	9/16/19	0.42291	0.6464	W
Y169	Leavenworth 2019	0.42149	9/8/19	0.42566	9/16/19	0.42412	0.6307	W
Y170	Leavenworth 2019	0.42340	9/8/19	0.42575	9/16/19	0.42447	0.4553	F
Y171	Leavenworth 2019	0.41993	9/8/19	0.42576	9/16/19	0.42317	0.5557	W
Y172	Leavenworth 2019	0.42908	9/8/19	0.43494	9/16/19	0.43253	0.5887	W
Y173	Leavenworth 2019	0.44458	9/8/19	0.44993	9/16/19	0.44746	0.5383	W
Y174	Leavenworth 2019	0.42325	9/8/19	0.42812	9/16/19	0.42570	0.5031	W
Y175	Leavenworth 2019	0.42265	9/8/19	0.42650	9/16/19	0.42385	0.3117	F
Y176	Leavenworth 2019	0.46863	9/8/19	0.47073	9/16/19	0.46925	0.2952	F
Y177	Leavenworth 2019	0.42362	9/8/19	0.42618	9/16/19	0.42506	0.5625	W
Y178	Leavenworth 2019	0.45645	9/8/19	0.46208	9/16/19	0.46085	0.7815	P
Y179	Leavenworth 2019	0.44498	9/8/19	0.45120	9/16/19	0.44985	0.7830	P
Y180	Leavenworth 2019	0.42856	9/8/19	0.43342	9/16/19	0.43139	0.5823	W
Y196	Leavenworth 2019	0.46878	9/9/19	0.47366	9/17/19	0.47135	0.5266	W
Y197	Leavenworth 2019	0.42325	9/9/19	0.42757	9/17/19	0.42477	0.3519	F

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Y198	Leavenworth 2019	0.42863	9/9/19	0.43352	9/17/19	0.43007	0.2945	F
Y199	Leavenworth 2019	0.41928	9/9/19	0.42394	9/17/19	0.42297	0.7918	P
Y200	Leavenworth 2019	0.41868	9/9/19	0.42534	9/17/19	0.42309	0.6622	W
Y201	Leavenworth 2019	0.42175	9/9/19	0.42905	9/17/19	0.42754	0.7932	
Y202	Leavenworth 2019	0.42297	9/9/19	0.42821	9/17/19	0.42670	0.7120	P
Y203	Leavenworth 2019	0.41971	9/9/19	0.42431	9/17/19	0.42237	0.5783	W
Y204	Leavenworth 2019	0.42225	9/9/19	0.42761	9/17/19	0.42438	0.3974	W
Y205	Leavenworth 2019	0.42655	9/9/19	0.43106	9/17/19	0.42816	0.3570	F
Y206	Leavenworth 2019	0.42159	9/9/19	0.42592	9/17/19	0.42342	0.4226	W
Y230	Leavenworth 2019	0.42282	9/10/19	0.42995	9/18/19	0.42815	0.7475	P
Y231	Leavenworth 2019	0.42197	9/10/19	0.42659	9/18/19	0.42461	0.5714	W
Y232	Leavenworth 2019	0.41873	9/10/19	0.42569	9/18/19	0.42277	0.5805	W
Y233	Leavenworth 2019	0.42311	9/10/19	0.42537	9/18/19	0.42425	0.5044	W
Y234	Leavenworth 2019	0.45658	9/10/19	0.46222	9/18/19	0.45993	0.5940	W
Y235	Leavenworth 2019	0.42326	9/10/19	0.42656	9/18/19	0.42536	0.6364	F
Y236	Leavenworth 2019	0.42178	9/10/19	0.42721	9/18/19	0.42484	0.5635	P
Y237	Leavenworth 2019	0.42871	9/10/19	0.43373	9/18/19	0.43117	0.4900	F
Y238	Leavenworth 2019	0.46850	9/10/19	0.47300	9/18/19	0.47158	0.6844	P
Y239	Leavenworth 2019	0.42179	9/10/19	0.42740	9/18/19	0.42381	0.3601	F
Y240	Leavenworth 2019	0.42438	9/10/19	0.42992	9/18/19	0.42770	0.5993	W
Y241	Leavenworth 2019	0.42150	9/10/19	0.42742	9/18/19	0.42516	0.6182	W
Y242	Leavenworth 2019	0.42324	9/10/19	0.43045	9/18/19	0.42876	0.7656	P
Y243	Leavenworth 2019	0.42219	9/10/19	0.44277	9/18/19	0.42527	0.1496	
Y244	Leavenworth 2019	0.42227	9/10/19	0.42812	9/18/19	0.42568	0.5829	W
Y245	Leavenworth 2019	0.46868	9/10/19	0.47401	9/18/19	0.47298	0.8068	P
Y246	Leavenworth 2019	0.45653	9/10/19	0.46000	9/18/19	0.45837	0.5303	W
Y247	Leavenworth 2019	0.42355	9/10/19	0.42983	9/18/19	0.42597	0.3854	F
Y248	Leavenworth 2019	0.42154	9/10/19	0.42464	9/18/19	0.42339	0.5968	W
Y249	Leavenworth 2019	0.42718	9/10/19	0.43258	9/18/19	0.42887	0.3130	F
Y250	Leavenworth 2019	0.42137	9/10/19	0.42353	9/18/19	0.42203	0.3056	F
Y251	Leavenworth 2019	0.42208	9/10/19	0.42750	9/18/19	0.42581	0.6882	P
Y252	Leavenworth 2019	0.42203	9/10/19	0.42747	9/18/19	0.42622	0.7702	P
Y253	Leavenworth 2019	0.42158	9/10/19	0.42668	9/18/19	0.42463	0.5980	W
Y254	Leavenworth 2019	0.46838	9/10/19	0.47096	9/18/19	0.46993	0.6008	W
Y255	Leavenworth 2019	0.42183	9/10/19	0.42704	9/18/19	0.42558	0.7198	F
Y256	Leavenworth 2019	0.41874	9/10/19	0.42382	9/18/19	0.42255	0.7500	P
Y257	Leavenworth 2019	0.41909	9/10/19	0.42484	9/18/19	0.42320	0.7148	
Y275	Leavenworth 2019	0.42354	9/11/19	0.42958	9/19/19	0.42703	0.5778	W
Y276	Leavenworth 2019	0.42293	9/11/19	0.42756	9/19/19	0.42572	0.6026	W
Y277	Leavenworth 2019	0.41961	9/11/19	0.42518	9/19/19	0.42288	0.5871	W
Y278	Leavenworth 2019	0.41969	9/11/19	0.42469	9/19/19	0.42217	0.4960	W
Y279	Leavenworth 2019	0.41904	9/11/19	0.42086	9/19/19	0.41976	0.3956	F
Y280	Leavenworth 2019	0.42181	9/11/19	0.42743	9/19/19	0.42428	0.4395	W
Y281	Leavenworth 2019	0.46884	9/11/19	0.47541	9/19/19	0.47367	0.7352	P
Y282	Leavenworth 2019	0.42164	9/11/19	0.42761	9/19/19	0.42498	0.5595	W
Y283	Leavenworth 2019	0.41879	9/11/19	0.42407	9/19/19	0.42274	0.7481	P
Y284	Leavenworth 2019	0.41902	9/11/19	0.42546	9/19/19	0.42281	0.5885	W
Y285	Leavenworth 2019	0.41865	9/11/19	0.42301	9/19/19	0.42019	0.3532	F
Y286	Leavenworth 2019	0.42720	9/11/19	0.43368	9/19/19	0.43108	0.5988	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Y287	Leavenworth 2019	0.42846	9/11/19	0.43284	9/19/19	0.43083	0.5411	W
Y288	Leavenworth 2019	0.41894	9/11/19	0.42424	9/19/19	0.42278	0.7245	P
Y289	Leavenworth 2019	0.42319	9/11/19	0.42780	9/19/19	0.42663	0.7462	P
Y290	Leavenworth 2019	0.42900	9/11/19	0.43586	9/19/19	0.43361	0.6720	W
Y291	Leavenworth 2019	0.42327	9/11/19	0.43041	9/19/19	0.42787	0.6443	W
Y292	Leavenworth 2019	0.42314	9/11/19	0.42893	9/19/19	0.42753	0.7582	P
Y293	Leavenworth 2019	0.42289	9/11/19	0.42801	9/19/19	0.42651	0.7070	P
Y294	Leavenworth 2019	0.42355	9/11/19	0.42944	9/19/19	0.42823	0.7946	P
Y295	Leavenworth 2019	0.45657	9/11/19	0.46221	9/19/19	0.45878	0.3918	F
Y296	Leavenworth 2019	0.42859	9/11/19	0.43445	9/19/19	0.43067	0.3549	F
Y297	Leavenworth 2019	0.46893	9/11/19	0.47618	9/19/19	0.47197	0.4193	F
Y298	Leavenworth 2019	0.42324	9/11/19	0.42742	9/19/19	0.42551	0.5431	W
Y299	Leavenworth 2019	0.42282	9/11/19	0.42843	9/19/19	0.42587	0.5437	W
Y447	Leavenworth 2019	0.42742	9/12/19	0.43398	9/20/19	0.43236	0.7530	P
Y448	Leavenworth 2019	0.45664	9/12/19	0.46238	9/20/19	0.46087	0.7369	P
Y449	Leavenworth 2019	0.42306	9/12/19	0.42881	9/20/19	0.42637	0.5757	W
Y727	Leavenworth 2019	0.42075	9/20/19	0.42632	9/28/19	0.42510	0.7810	P
Q0200	Metaline Falls	0.47361	8/28/20	0.47818	9/5/20	0.47687	0.7133	P
Q0201	Metaline Falls	0.46808	8/28/20	0.47181	9/5/20	0.46963	0.4155	W
Q0202	Metaline Falls	0.46793	8/28/20	0.47172	9/5/20	0.46904	0.2929	F
Q0250	Metaline Falls	0.47527	8/29/20	0.48110	9/6/20	0.47865	0.5798	W
Q0251	Metaline Falls	0.46786	8/29/20	0.47369	9/6/20	0.47217	0.7393	P
Q0252	Metaline Falls	0.46818	8/29/20	0.47317	9/6/20	0.47104	0.5731	W
Q0253	Metaline Falls	0.47544	8/29/20	0.48338	9/6/20	0.48111	0.7141	P
Q0323	Metaline Falls	0.47085	8/30/20	0.47644	9/7/20	0.47417	0.5939	W
Q0324	Metaline Falls	0.47282	8/30/20	0.47824	9/7/20	0.47600	0.5867	W
Q0325	Metaline Falls	0.47592	8/30/20	0.48017	9/7/20	0.47844	0.5929	W
Q0326	Metaline Falls	0.47513	8/30/20	0.47995	9/7/20	0.47789	0.5726	W
Q0327	Metaline Falls	0.47030	8/30/20	0.47484	9/7/20	0.47277	0.5441	W
Q0328	Metaline Falls	0.47162	8/30/20	0.47812	9/7/20	0.47549	0.5954	W
Q0329	Metaline Falls	0.46683	8/30/20	0.47152	9/7/20	0.46969	0.6098	W
Q0330	Metaline Falls	0.46798	8/30/20	0.47370	9/7/20	0.47153	0.6206	W
Q0373	Metaline Falls	0.46781	8/31/20	0.47415	9/8/20	0.47175	0.6215	W
Q0374	Metaline Falls	0.47303	8/31/20	0.47854	9/8/20	0.47612	0.5608	W
Q0375	Metaline Falls	0.46936	8/31/20	0.47380	9/8/20	0.47205	0.6059	W
Q0376	Metaline Falls	0.47181	8/31/20	0.47803	9/8/20	0.47555	0.6013	W
Q0377	Metaline Falls	0.47328	8/31/20	0.47658	9/8/20	0.47521	0.5848	W
Q0378	Metaline Falls	0.47357	8/31/20	0.47753	9/8/20	0.47516	0.4015	F
Q0379	Metaline Falls	0.47356	8/31/20	0.47732	9/8/20	0.47520	0.4362	F
Q0380	Metaline Falls	0.47276	8/31/20	0.47767	9/8/20	0.47537	0.5316	W
Q0446	Metaline Falls	0.47079	9/1/20	0.47473	9/9/20	0.47291	0.5381	W
Q0447	Metaline Falls	0.47076	9/1/20	0.47668	9/9/20	0.47412	0.5676	W
Q0448	Metaline Falls	0.47218	9/1/20	0.47483	9/9/20	0.47396	0.6717	P
Q0449	Metaline Falls	0.47526	9/1/20	0.48117	9/9/20	0.47854	0.5550	W
Q0450	Metaline Falls	0.46558	9/1/20	0.47057	9/9/20	0.46852	0.5892	W
Q0451	Metaline Falls	0.47392	9/1/20	0.47900	9/9/20	0.47682	0.5709	W
Q0452	Metaline Falls	0.46782	9/1/20	0.47357	9/9/20	0.47212	0.7478	P
Q0453	Metaline Falls	0.46813	9/1/20	0.47406	9/9/20	0.47146	0.5616	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q0634	Metaline Falls	0.46833	9/3/20	0.47317	9/11/20	0.47106	0.5640	W
Q0635	Metaline Falls	0.47047	9/3/20	0.47524	9/11/20	0.47222	0.3669	F
Q0636	Metaline Falls	0.47395	9/3/20	0.48016	9/11/20	0.47741	0.5572	W
Q0637	Metaline Falls	0.46800	9/3/20	0.47468	9/11/20	0.47172	0.5569	W
Q0638	Metaline Falls	0.46908	9/3/20	0.47459	9/11/20	0.47327	0.7604	P
Q0639	Metaline Falls	0.47065	9/3/20	0.47453	9/11/20	0.47284	0.5644	W
Q0640	Metaline Falls	0.47322	9/3/20	0.47811	9/11/20	0.47587	0.5419	W
Q0641	Metaline Falls	0.47467	9/3/20	0.48138	9/11/20	0.47974	0.7556	P
Q0642	Metaline Falls	0.47208	9/3/20	0.47773	9/11/20	0.47646	0.7752	P
Q0643	Metaline Falls	0.47569	9/3/20	0.48058	9/11/20	0.47952	0.7832	P
Q0644	Metaline Falls	0.47698	9/3/20	0.48103	9/11/20	0.47861	0.4025	F
Q0645	Metaline Falls	0.47252	9/3/20	0.47693	9/11/20	0.47509	0.5828	W
Q0646	Metaline Falls	0.46883	9/3/20	0.47350	9/11/20	0.47171	0.6167	P
Q0647	Metaline Falls	0.46809	9/3/20	0.47231	9/11/20	0.47061	0.5972	W
Q0648	Metaline Falls	0.47119	9/3/20	0.47620	9/11/20	0.47401	0.5629	W
Q0649	Metaline Falls	0.47557	9/3/20	0.47972	9/11/20	0.47774	0.5229	W
Q0650	Metaline Falls	0.47540	9/3/20	0.47908	9/11/20	0.47736	0.5326	W
Q0652	Metaline Falls	0.46808	9/3/20	0.47344	9/11/20	0.47155	0.6474	W
Q0653	Metaline Falls	0.47194	9/3/20	0.47612	9/11/20	0.47515	0.7679	P
Q0778	Metaline Falls	0.47480	9/4/20	0.48155	9/12/20	0.47848	0.5452	W
Q0779	Metaline Falls	0.47955	9/4/20	0.48375	9/12/20	0.48194	0.5690	W
Q0780	Metaline Falls	0.47958	9/4/20	0.48608	9/12/20	0.48429	0.7246	F
Q0861	Metaline Falls	0.48037	9/4/20	0.48977	9/12/20	0.48736	0.7436	P
Q0862	Metaline Falls	0.47626	9/4/20	0.48315	9/12/20	0.48025	0.5791	W
Q0863	Metaline Falls	0.47927	9/4/20	0.48494	9/12/20	0.48271	0.6067	W
Q0864	Metaline Falls	0.47897	9/4/20	0.48456	9/12/20	0.48197	0.5367	W
Q0865	Metaline Falls	0.47486	9/4/20	0.47950	9/12/20	0.47730	0.5259	W
Q0866	Metaline Falls	0.47778	9/4/20	0.48355	9/12/20	0.48170	0.6794	P
Q0867	Metaline Falls	0.47802	9/4/20	0.48218	9/12/20	0.48009	0.4976	W
Q0868	Metaline Falls	0.47860	9/4/20	0.48374	9/12/20	0.48155	0.5739	W
Q0869	Metaline Falls	0.47836	9/4/20	0.48284	9/12/20	0.48093	0.5737	W
Q0870	Metaline Falls	0.47690	9/4/20	0.48173	9/12/20	0.47959	0.5569	W
Q0871	Metaline Falls	0.47832	9/4/20	0.48272	9/12/20	0.48061	0.5205	W
Q0872	Metaline Falls	0.48533	9/4/20	0.48934	9/12/20	0.48819	0.7132	P
Q0873	Metaline Falls	0.47834	9/4/20	0.48320	9/12/20	0.48114	0.5761	W
Q0874	Metaline Falls	0.47857	9/4/20	0.48455	9/12/20	0.48197	0.5686	W
Q0875	Metaline Falls	0.47478	9/4/20	0.48008	9/12/20	0.47880	0.7585	P
Q0876	Metaline Falls	0.47495	9/4/20	0.48038	9/12/20	0.47890	0.7274	P
Q0932	Metaline Falls	0.47460	9/5/20	0.48148	9/13/20	0.47914	0.6599	W
Q0933	Metaline Falls	0.47690	9/5/20	0.47961	9/13/20	0.47839	0.5498	W
Q0934	Metaline Falls	0.47896	9/5/20	0.48225	9/13/20	0.48096	0.6079	W
Q0935	Metaline Falls	0.47667	9/5/20	0.48321	9/13/20	0.48122	0.6957	P
Q0936	Metaline Falls	0.47774	9/5/20	0.48440	9/13/20	0.48176	0.6036	W
Q0937	Metaline Falls	0.47607	9/5/20	0.48379	9/13/20	0.48180	0.7422	P
Q0938	Metaline Falls	0.48546	9/5/20	0.49076	9/13/20	0.48881	0.6321	W
Q0939	Metaline Falls	0.47947	9/5/20	0.48496	9/13/20	0.48353	0.7395	P
Q0940	Metaline Falls	0.48031	9/5/20	0.48788	9/13/20	0.48614	0.7701	P
Q0941	Metaline Falls	0.47873	9/5/20	0.48469	9/13/20	0.48215	0.5738	W
Q0942	Metaline Falls	0.47479	9/5/20	0.48048	9/13/20	0.47832	0.6204	W

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Q0943	Metaline Falls	0.47821	9/5/20	0.48323	9/13/20	0.48099	0.5538	W
Q0944	Metaline Falls	0.47840	9/5/20	0.48109	9/13/20	0.48014	0.6468	W
Q1072	Metaline Falls	0.47826	9/6/20	0.48278	9/14/20	0.48085	0.5730	W
Q1073	Metaline Falls	0.48571	9/6/20	0.49461	9/14/20	0.49239	0.7506	P
Q1074	Metaline Falls	0.47425	9/6/20	0.48001	9/14/20	0.47853	0.7431	P
Q1075	Metaline Falls	0.47868	9/6/20	0.48326	9/14/20	0.48136	0.5852	W
Q1076	Metaline Falls	0.47648	9/6/20	0.48405	9/14/20	0.48222	0.7583	P
Q1077	Metaline Falls	0.47877	9/6/20	0.48535	9/14/20	0.48247	0.5623	W
Q1078	Metaline Falls	0.47865	9/6/20	0.48519	9/14/20	0.48375	0.7798	P
Q1079	Metaline Falls	0.48587	9/6/20	0.48922	9/14/20	0.48767	0.5373	W
Q1080	Metaline Falls	0.47987	9/6/20	0.48422	9/14/20	0.48237	0.5747	W
Q1081	Metaline Falls	0.47705	9/6/20	0.48061	9/14/20	0.47899	0.5449	W
Q1082	Metaline Falls	0.47860	9/6/20	0.48478	9/14/20	0.48341	0.7783	P
Q1083	Metaline Falls	0.48142	9/6/20	0.48613	9/14/20	0.48424	0.5987	W
Q1084	Metaline Falls	0.47652	9/6/20	0.48259	9/14/20	0.48001	0.5750	W
Q1085	Metaline Falls	0.47888	9/6/20	0.48484	9/14/20	0.48225	0.5654	W
Q1086	Metaline Falls	0.47592	9/6/20	0.48126	9/14/20	0.47902	0.5805	W
Q1087	Metaline Falls	0.48611	9/6/20	0.49297	9/14/20	0.49015	0.5889	W
Q1088	Metaline Falls	0.47233	9/6/20	0.47639	9/14/20	0.47503	0.6650	W
Q1089	Metaline Falls	0.47685	9/6/20	0.48165	9/14/20	0.48048	0.7563	P
Q1090	Metaline Falls	0.47673	9/6/20	0.48267	9/14/20	0.48016	0.5774	W
Q1091	Metaline Falls	0.47704	9/6/20	0.48188	9/14/20	0.47873	0.3492	F
Q1092	Metaline Falls	0.48014	9/6/20	0.48453	9/14/20	0.48194	0.4100	F
Q0025	Nason Creek	0.42102	8/25/20	0.42561	9/2/20	0.42354	0.5490	W
Q0026	Nason Creek	0.42272	8/25/20	0.42521	9/2/20	0.42421	0.5984	F
Q0027	Nason Creek	0.42318	8/25/20	0.42974	9/2/20	0.42831	0.7820	P
Q0028	Nason Creek	0.41791	8/25/20	0.42141	9/2/20	0.42081	0.8286	P
Q0029	Nason Creek	0.42736	8/25/20	0.43135	9/2/20	0.42897	0.4035	F
Q0030	Nason Creek	0.41861	8/25/20	0.42285	9/2/20	0.42041	0.4245	F
Q0031	Nason Creek	0.46601	8/25/20	0.47112	9/2/20	0.46886	0.5577	W
Q0032	Nason Creek	0.47444	8/25/20	0.48028	9/2/20	0.47843	0.6832	P
Q0033	Nason Creek	0.47236	8/25/20	0.47962	9/2/20	0.47802	0.7796	P
Q0034	Nason Creek	0.47593	8/25/20	0.47993	9/2/20	0.47763	0.4250	F
Q0035	Nason Creek	0.47254	8/25/20	0.47853	9/2/20	0.47696	0.7379	P
Q0036	Nason Creek	0.47685	8/25/20	0.48111	9/2/20	0.47963	0.6526	P
Q0037	Nason Creek	0.47452	8/25/20	0.47856	9/2/20	0.47634	0.4505	F
Q0038	Nason Creek	0.47523	8/25/20	0.47893	9/2/20	0.47672	0.4027	F
Q0039	Nason Creek	0.47165	8/25/20	0.47603	9/2/20	0.47489	0.7397	P
Q0040	Nason Creek	0.47428	8/25/20	0.47928	9/2/20	0.47611	0.3660	F
Q0041	Nason Creek	0.47678	8/25/20	0.48153	9/2/20	0.47870	0.4042	F
Q0042	Nason Creek	0.47071	8/25/20	0.47640	9/2/20	0.47494	0.7434	P
Q0043	Nason Creek	0.46835	8/25/20	0.47278	9/2/20	0.47018	0.4131	W
Q0044	Nason Creek	0.47328	8/25/20	0.47781	9/2/20	0.47661	0.7351	P
Q0045	Nason Creek	0.47248	8/25/20	0.47933	9/2/20	0.47769	0.7606	P
Q0046	Nason Creek	0.46561	8/25/20	0.47025	9/2/20	0.46730	0.3642	F
Q0047	Nason Creek	0.47050	8/25/20	0.47577	9/2/20	0.47351	0.5712	W
Q0048	Nason Creek	0.47236	8/25/20	0.47949	9/2/20	0.47763	0.7391	P
Q0049	Nason Creek	0.47511	8/25/20	0.48038	9/2/20	0.47740	0.4345	F

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q0050	Nason Creek	0.47133	8/25/20	0.47789	9/2/20	0.47641	0.7744	P
Q0051	Nason Creek	0.47253	8/25/20	0.47607	9/2/20	0.47445	0.5424	W
Q0052	Nason Creek	0.47098	8/25/20	0.47619	9/2/20	0.47501	0.7735	P
Q0053	Nason Creek	0.47724	8/25/20	0.48093	9/2/20	0.47863	0.3767	F
Q0054	Nason Creek	0.47281	8/25/20	0.47945	9/2/20	0.47720	0.6611	P
Q0055	Nason Creek	0.47278	8/25/20	0.47734	9/2/20	0.47532	0.5570	W
Q0056	Nason Creek	0.47090	8/25/20	0.47594	9/2/20	0.47520	0.8532	P
Q0057	Nason Creek	0.47456	8/25/20	0.47958	9/2/20	0.47734	0.5538	W
Q0058	Nason Creek	0.47197	8/25/20	0.47656	9/2/20	0.47473	0.6013	W
Q0059	Nason Creek	0.46841	8/25/20	0.47310	9/2/20	0.47107	0.5672	W
Q0060	Nason Creek	0.47519	8/25/20	0.47999	9/2/20	0.47782	0.5479	W
Q0079	Nason Creek	0.46953	8/26/20	0.47581	9/3/20	0.47427	0.7548	P
Q0080	Nason Creek	0.47166	8/26/20	0.47662	9/3/20	0.47345	0.3609	F
Q0081	Nason Creek	0.47217	8/26/20	0.47681	9/3/20	0.47663	0.9612	P
Q0082	Nason Creek	0.47267	8/26/20	0.47819	9/3/20	0.47632	0.6612	P
Q0083	Nason Creek	0.46975	8/26/20	0.47637	9/3/20	0.47349	0.5650	W
Q0084	Nason Creek	0.47231	8/26/20	0.47787	9/3/20	0.47540	0.5558	W
Q0085	Nason Creek	0.46826	8/26/20	0.47555	9/3/20	0.47339	0.7037	P
Q0086	Nason Creek	0.46915	8/26/20	0.47493	9/3/20	0.47256	0.5900	W
Q0087	Nason Creek	0.46942	8/26/20	0.47316	9/3/20	0.47159	0.5802	W
Q0088	Nason Creek	0.47200	8/26/20	0.47882	9/3/20	0.47664	0.6804	P
Q0090	Nason Creek	0.47157	8/26/20	0.47854	9/3/20	0.47671	0.7374	P
Q0091	Nason Creek	0.47427	8/26/20	0.47959	9/3/20	0.47810	0.7199	P
Q0092	Nason Creek	0.47252	8/26/20	0.47886	9/3/20	0.47681	0.6767	P
Q0093	Nason Creek	0.46797	8/26/20	0.47119	9/3/20	0.46973	0.5466	W
Q0094	Nason Creek	0.46797	8/26/20	0.47508	9/3/20	0.47325	0.7426	P
Q0095	Nason Creek	0.46814	8/26/20	0.47572	9/3/20	0.47222	0.5383	P
Q0097	Nason Creek	0.47557	8/26/20	0.48209	9/3/20	0.48019	0.7086	P
Q0098	Nason Creek	0.47518	8/26/20	0.48193	9/3/20	0.48003	0.7185	P
Q0099	Nason Creek	0.47162	8/26/20	0.47540	9/3/20	0.47388	0.5979	W
Q0100	Nason Creek	0.47544	8/26/20	0.48198	9/3/20	0.48002	0.7003	P
Q0101	Nason Creek	0.47168	8/26/20	0.47800	9/3/20	0.47645	0.7547	P
Q0208	Nason Creek	0.47220	8/28/20	0.47714	9/5/20	0.47466	0.4980	W
Q0209	Nason Creek	0.47261	8/28/20	0.47883	9/5/20	0.47613	0.5659	W
Q0210	Nason Creek	0.47126	8/28/20	0.47706	9/5/20	0.47502	0.6483	W
Q0211	Nason Creek	0.47120	8/28/20	0.47736	9/5/20	0.47484	0.5909	W
Q0212	Nason Creek	0.46832	8/28/20	0.47358	9/5/20	0.47184	0.6692	P
Q0213	Nason Creek	0.47158	8/28/20	0.47566	9/5/20	0.47451	0.7181	P
Q0214	Nason Creek	0.47110	8/28/20	0.47600	9/5/20	0.47363	0.5163	W
Q0215	Nason Creek	0.46825	8/28/20	0.47629	9/5/20	0.47393	0.7065	P
Q0216	Nason Creek	0.47055	8/28/20	0.47593	9/5/20	0.47340	0.5297	W
Q0217	Nason Creek	0.46903	8/28/20	0.47652	9/5/20	0.47328	0.5674	W
Q0218	Nason Creek	0.47560	8/28/20	0.48122	9/5/20	0.47979	0.7456	P
Q0219	Nason Creek	0.47194	8/28/20	0.47806	9/5/20	0.47621	0.6977	P
Q0220	Nason Creek	0.47161	8/28/20	0.47686	9/5/20	0.47446	0.5429	P
Q0221	Nason Creek	0.46866	8/28/20	0.47648	9/5/20	0.47438	0.7315	P
Q0222	Nason Creek	0.47257	8/28/20	0.48034	9/5/20	0.47831	0.7387	P
Q0223	Nason Creek	0.46818	8/28/20	0.47376	9/5/20	0.47103	0.5108	W
Q0224	Nason Creek	0.47168	8/28/20	0.47720	9/5/20	0.47453	0.5163	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q0225	Nason Creek	0.47567	8/28/20	0.48083	9/5/20	0.47829	0.5078	W
Q0226	Nason Creek	0.46818	8/28/20	0.47617	9/5/20	0.47419	0.7522	P
Q0227	Nason Creek	0.47320	8/28/20	0.47954	9/5/20	0.47805	0.7650	P
Q0228	Nason Creek	0.47237	8/28/20	0.48208	9/5/20	0.47531	0.3028	F
Q0229	Nason Creek	0.47075	8/28/20	0.47669	9/5/20	0.47268	0.3249	W
Q0230	Nason Creek	0.47300	8/28/20	0.47767	9/5/20	0.47552	0.5396	W
Q0231	Nason Creek	0.46779	8/28/20	0.47340	9/5/20	0.47076	0.5294	W
Q0232	Nason Creek	0.47262	8/28/20	0.47886	9/5/20	0.47617	0.5689	W
Q0233	Nason Creek	0.47544	8/28/20	0.48055	9/5/20	0.47931	0.7573	P
Q0234	Nason Creek	0.47257	8/28/20	0.47815	9/5/20	0.47667	0.7348	P
Q0235	Nason Creek	0.47343	8/28/20	0.47905	9/5/20	0.47743	0.7117	P
Q0236	Nason Creek	0.47247	8/28/20	0.48006	9/5/20	0.47826	0.7628	P
Q0265	Nason Creek	0.47156	8/29/20	0.47531	9/6/20	0.47442	0.7627	P
Q0266	Nason Creek	0.47200	8/29/20	0.47820	9/6/20	0.47550	0.5645	W
Q0267	Nason Creek	0.47172	8/29/20	0.47776	9/6/20	0.47644	0.7815	P
Q0268	Nason Creek	0.46580	8/29/20	0.47020	9/6/20	0.46909	0.7477	P
Q0269	Nason Creek	0.47254	8/29/20	0.47849	9/6/20	0.47580	0.5479	W
Q0270	Nason Creek	0.46971	8/29/20	0.47519	9/6/20	0.47273	0.5511	W
Q0271	Nason Creek	0.47226	8/29/20	0.47895	9/6/20	0.47741	0.7698	P
Q0272	Nason Creek	0.47344	8/29/20	0.47934	9/6/20	0.47786	0.7492	P
Q0273	Nason Creek	0.46538	8/29/20	0.47007	9/6/20	0.46871	0.7100	P
Q0274	Nason Creek	0.47072	8/29/20	0.47774	9/6/20	0.47590	0.7379	P
Q0275	Nason Creek	0.47202	8/29/20	0.47734	9/6/20	0.47487	0.5357	W
Q0276	Nason Creek	0.47016	8/29/20	0.47613	9/6/20	0.47461	0.7454	P
Q0277	Nason Creek	0.47612	8/29/20	0.47916	9/6/20	0.47796	0.6053	W
Q0278	Nason Creek	0.46773	8/29/20	0.47307	9/6/20	0.47162	0.7285	P
Q0279	Nason Creek	0.46876	8/29/20	0.47490	9/6/20	0.47330	0.7394	P
Q0280	Nason Creek	0.46809	8/29/20	0.47278	9/6/20	0.47144	0.7143	P
Q0281	Nason Creek	0.47218	8/29/20	0.47740	9/6/20	0.47506	0.5517	W
Q0282	Nason Creek	0.47084	8/29/20	0.47601	9/6/20	0.47464	0.7350	P
Q0283	Nason Creek	0.47497	8/29/20	0.48126	9/6/20	0.47832	0.5326	W
Q0284	Nason Creek	0.47390	8/29/20	0.48084	9/6/20	0.47726	0.4841	W
Q0285	Nason Creek	0.47577	8/29/20	0.48063	9/6/20	0.47863	0.5885	W
Q0286	Nason Creek	0.46815	8/29/20	0.47220	9/6/20	0.47033	0.5383	W
Q0287	Nason Creek	0.46983	8/29/20	0.47578	9/6/20	0.47293	0.5210	W
Q0288	Nason Creek	0.46544	8/29/20	0.47129	9/6/20	0.46961	0.7128	P
Q0289	Nason Creek	0.47531	8/29/20	0.48127	9/6/20	0.47637	0.1779	F
Q0290	Nason Creek	0.46843	8/29/20	0.47508	9/6/20	0.47082	0.3594	F
Q0291	Nason Creek	0.47106	8/29/20	0.47669	9/6/20	0.47522	0.7389	P
Q0292	Nason Creek	0.46556	8/29/20	0.47135	9/6/20	0.46893	0.5820	W
Q0293	Nason Creek	0.47532	8/29/20	0.48200	9/6/20	0.48045	0.7680	P
Q0294	Nason Creek	0.47520	8/29/20	0.47732	9/6/20	0.47731	0.9953	P
Q0295	Nason Creek	0.47220	8/29/20	0.47823	9/6/20	0.47671	0.7479	P
Q0296	Nason Creek	0.47269	8/29/20	0.47749	9/6/20	0.47491	0.4625	F
Q0297	Nason Creek	0.46763	8/29/20	0.47383	9/6/20	0.47069	0.4935	W
Q0298	Nason Creek	0.47299	8/29/20	0.47671	9/6/20	0.47497	0.5323	W
Q0299	Nason Creek	0.46635	8/29/20	0.47090	9/6/20	0.46852	0.4769	P
Q0300	Nason Creek	0.47277	8/29/20	0.47677	9/6/20	0.47542	0.6625	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
OZL001	Ozette	0.44304	9/7/18	0.44869	9/15/18	0.44724	0.7434	P
OZL002	Ozette	0.41895	9/7/18	0.42302	9/15/18	0.42167	0.6683	P
OZL003	Ozette	0.42404	9/7/18	0.42863	9/15/18	0.42736	0.7233	P
OZL004	Ozette	0.42311	9/7/18	0.42570	9/15/18	0.42445	0.5174	P
OZL005	Ozette	0.42105	9/7/18	0.42715	9/15/18	0.42534	0.7033	P
OZL006	Ozette	0.42518	9/7/18	0.42978	9/15/18	0.42717	0.4326	F
OZL007	Ozette	0.42516	9/8/18	0.42986	9/16/18	0.42847	0.7043	P
OZL008	Ozette	0.42184	9/8/18	0.42731	9/16/18	0.42582	0.7276	P
OZL009	Ozette	0.42343	9/8/18	0.42880	9/16/18	0.42745	0.7486	P
OZL010	Ozette	0.45021	9/8/18	0.45615	9/16/18	0.45459	0.7374	P
OZL011	Ozette	0.45036	9/8/18	0.45513	9/16/18	0.45395	0.7526	P
OZL012	Ozette	0.42397	9/8/18	0.42770	9/16/18	0.42598	0.5389	W
OZL013	Ozette	0.41906	9/8/18	0.42296	9/16/18	0.42186	0.7179	P
OZL014	Ozette	0.42357	9/8/18	0.42758	9/16/18	0.42645	0.7182	P
OZL015	Ozette	0.42482	9/8/18	0.42911	9/16/18	0.42799	0.7389	P
OZL016	Ozette	0.42740	9/8/18	0.43275	9/16/18	0.43107	0.6860	P
OZL017	Ozette	0.42538	9/8/18	0.42874	9/16/18	0.42792	0.7560	P
OZL018	Ozette	0.42330	9/8/18	0.42717	9/16/18	0.42621	0.7519	P
OZL019	Ozette	0.44281	9/9/18	0.44824	9/17/18	0.44621	0.6262	P
OZL020	Ozette	0.42153	9/9/18	0.42598	9/17/18	0.42397	0.5483	W
OZL021	Ozette	0.42188	9/9/18	0.42692	9/17/18	0.42538	0.6944	P
OZL022	Ozette	0.42166	9/9/18	0.42518	9/17/18	0.42318	0.4318	P
OZL023	Ozette	0.42561	9/9/18	0.43229	9/17/18	0.43035	0.7096	P
OZL024	Ozette	0.42503	9/9/18	0.42926	9/17/18	0.42797	0.6950	P
OZL025	Ozette	0.42328	9/9/18	0.42568	9/17/18	0.42461	0.5542	W
OZL026	Ozette	0.42324	9/10/18	0.42642	9/18/18	0.42542	0.6855	P
OZL027	Ozette	0.41898	9/10/18	0.42197	9/18/18	0.42001	0.3445	F
OZL028	Ozette	0.42321	9/10/18	0.42732	9/18/18	0.42658	0.8200	P
OZL029	Ozette	0.42314	9/10/18	0.42724	9/18/18	0.42609	0.7195	P
OZL030	Ozette	0.42159	9/10/18	0.42738	9/18/18	0.42606	0.7720	P
OZL031	Ozette	0.42402	9/11/18	0.42913	9/19/18	0.42787	0.7534	P
OZL033	Ozette	0.41822	9/11/18	0.42309	9/19/18	0.42182	0.7392	P
OZL034	Ozette	0.46840	9/11/18	0.47132	9/19/18	0.47048	0.7123	P
OZL035	Ozette	0.45562	9/11/18	0.46167	9/19/18	0.45933	0.6132	W
OZL036	Ozette	0.42145	9/11/18	0.42535	9/19/18	0.42425	0.7179	P
OZL037	Ozette	0.41818	9/11/18	0.42059	9/19/18	0.41955	0.5685	F
OZL038	Ozette	0.42233	9/11/18	0.42514	9/19/18	0.42450	0.7722	P
OZL039	Ozette	0.42248	9/12/18	0.42629	9/20/18	0.42395	0.3858	F
OZL040	Ozette	0.45611	9/12/18	0.46302	9/20/18	0.45871	0.3763	F
OZL041	Ozette	0.41808	9/12/18	0.42042	9/20/18	0.41976	0.7179	P
OZL042	Ozette	0.42794	9/12/18	0.43359	9/20/18	0.43214	0.7434	P
OZL043	Ozette	0.41858	9/12/18	0.42428	9/20/18	0.42296	0.7684	P
OZL044	Ozette	0.42546	9/12/18	0.42929	9/20/18	0.42816	0.7050	P
OZL045	Ozette	0.42292	9/12/18	0.42755	9/20/18	0.42633	0.7365	P
OZL046	Ozette	0.45622	9/12/18	0.46073	9/20/18	0.45934	0.6918	P
OZL047	Ozette	0.42270	9/12/18	0.42541	9/20/18	0.42390	0.4428	F
OZL048	Ozette	0.42273	9/12/18	0.42569	9/20/18	0.42386	0.3818	F
OZL049	Ozette	0.42239	9/12/18	0.42579	9/20/18	0.42474	0.6912	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
OZL050	Ozette	0.42126	9/12/18	0.42607	9/20/18	0.42492	0.7609	P
OZL051	Ozette	0.42353	9/13/18	0.42757	9/21/18	0.42555	0.5000	W
OZL052	Ozette	0.42571	9/13/18	0.42930	9/21/18	0.42716	0.4039	F
OZL053	Ozette	0.42093	9/13/18	0.42390	9/21/18	0.42206	0.3805	F
OZL054	Ozette	0.42134	9/13/18	0.42502	9/21/18	0.42352	0.5924	W
OZL055	Ozette	0.42107	9/13/18	0.42533	9/21/18	0.42425	0.7465	P
OZL056	Ozette	0.44439	9/13/18	0.44792	9/21/18	0.44711	0.7705	P
OZL057	Ozette	0.44431	9/13/18	0.44695	9/21/18	0.44637	0.7803	P
OZL058	Ozette	0.42384	9/13/18	0.42832	9/21/18	0.42699	0.7031	P
OZL059	Ozette	0.42218	9/13/18	0.42456	9/21/18	0.42323	0.4412	F
OZL060	Ozette	0.42048	9/13/18	0.42473	9/21/18	0.42307	0.6094	W
OZL061	Ozette	0.42344	9/14/18	0.42638	9/22/18	0.42467	0.4184	F
OZL062	Ozette	0.42688	9/14/18	0.42977	9/22/18	0.42922	0.8097	P
OZL063	Ozette	0.42535	9/14/18	0.42747	9/22/18	0.42624	0.4198	F
OZL064	Ozette	0.42144	9/14/18	0.42591	9/22/18	0.42492	0.7785	P
OZL065	Ozette	0.45613	9/14/18	0.46007	9/22/18	0.45915	0.7665	P
OZL066	Ozette	0.42242	9/14/18	0.42666	9/22/18	0.42576	0.7877	P
OZL067	Ozette	0.42656	9/14/18	0.43132	9/22/18	0.42882	0.4748	F
OZL068	Ozette	0.44423	9/14/18	0.44812	9/22/18	0.44734	0.7995	P
OZL069	Ozette	0.42370	9/14/18	0.42708	9/22/18	0.42636	0.7870	P
OZL070	Ozette	0.42288	9/14/18	0.42985	9/22/18	0.42835	0.7848	P
OZL071	Ozette	0.42283	9/14/18	0.42694	9/22/18	0.42602	0.7762	P
OZL072	Ozette	0.42391	9/14/18	0.42935	9/22/18	0.42803	0.7574	P
OZL073	Ozette	0.42712	9/14/18	0.43069	9/22/18	0.42950	0.6667	P
OZL074	Ozette	0.44404	9/14/18	0.44896	9/22/18	0.44766	0.7358	P
OZL075	Ozette	0.41947	9/14/18	0.42462	9/22/18	0.42342	0.7670	P
OZL076	Ozette	0.42827	9/15/18	0.43148	9/23/18	0.43067	0.7477	P
OZL077	Ozette	0.42267	9/15/18	0.42675	9/23/18	0.42577	0.7598	P
OZL078	Ozette	0.42057	9/15/18	0.42433	9/23/18	0.42261	0.5426	W
OZL079	Ozette	0.45552	9/15/18	0.46005	9/23/18	0.45863	0.6865	P
OZL080	Ozette	0.42771	9/15/18	0.43115	9/23/18	0.42903	0.3837	F
OZL081	Ozette	0.42105	9/15/18	0.42540	9/23/18	0.42447	0.7862	P
OZL082	Ozette	0.46836	9/16/18	0.47223	9/24/18	0.47120	0.7339	P
OZL083	Ozette	0.42372	9/16/18	0.42715	9/24/18	0.42631	0.7551	P
OZL084	Ozette	0.42651	9/16/18	0.43007	9/24/18	0.42920	0.7556	P
OZL085	Ozette	0.42263	9/16/18	0.42651	9/24/18	0.42561	0.7680	P
OZL086	Ozette	0.42299	9/16/18	0.42636	9/24/18	0.42550	0.7448	P
OZL087	Ozette	0.42113	9/16/18	0.42461	9/24/18	0.42368	0.7328	P
OZL088	Ozette	0.42405	9/16/18	0.42797	9/24/18	0.42685	0.7143	P
OZL089	Ozette	0.45594	9/16/18	0.46080	9/24/18	0.45955	0.7428	P
OZL090	Ozette	0.42382	9/16/18	0.42833	9/24/18	0.42703	0.7118	P
OZL092	Ozette	0.42636	9/16/18	0.43142	9/24/18	0.43001	0.7213	P
OZL093	Ozette	0.42744	9/16/18	0.43112	9/24/18	0.43032	0.7826	P
OZL094	Ozette	0.42873	9/17/18	0.43315	9/25/18	0.43193	0.7240	P
OZL095	Ozette	0.42229	9/17/18	0.42591	9/25/18	0.42354	0.3453	F
OZL096	Ozette	0.44402	9/17/18	0.44786	9/25/18	0.44683	0.7318	P
OZL097	Ozette	0.42102	9/17/18	0.42376	9/25/18	0.42278	0.6423	P
OZL098	Ozette	0.42355	9/17/18	0.42944	9/25/18	0.42755	0.6791	P
OZL099	Ozette	0.42574	9/17/18	0.43007	9/25/18	0.42873	0.6905	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
OZL100	Ozette	0.42323	9/17/18	0.42621	9/25/18	0.42414	0.3054	F
CBL001	Pend Oreille	0.42052	8/25/17	0.42511	9/2/17	0.42239	0.4074	
CBL002	Pend Oreille	0.42393	8/25/17	0.42915	9/2/17	0.42590	0.3774	
CBL003	Pend Oreille	0.41971	8/25/17	0.42711	9/2/17	0.42531	0.7568	P
CBL004	Pend Oreille	0.41675	8/25/17	0.42152	9/2/17	0.41880	0.4298	W
CBL005	Pend Oreille	0.42058	8/25/17	0.42513	9/2/17	0.42297	0.5253	W
CBL006	Pend Oreille	0.42397	8/25/17	0.42801	9/2/17	0.42667	0.6683	P
CBL007	Pend Oreille	0.41848	8/25/17	0.42307	9/5/17	0.42193	0.7516	P
CBL008	Pend Oreille	0.42387	8/25/17	0.42521	9/5/17	0.42419	0.2388	
CBL009	Pend Oreille	0.43084	8/25/17	0.43486	9/5/17	0.43228	0.3582	
CBL010	Pend Oreille	0.41825	8/25/17	0.42156	9/5/17	0.42108	0.8550	W
CBL011	Pend Oreille	0.41889	8/25/17	0.42387	9/5/17	0.42270	0.7651	P
CBL012	Pend Oreille	0.43090	8/28/17	0.43487	9/5/17	0.43390	0.7557	P
CBL013	Pend Oreille	0.41649	8/28/17	0.41927	9/5/17	0.41739	0.3237	
CBL014	Pend Oreille	0.41683	8/28/17	0.42192	9/5/17	0.41978	0.5796	W
CBL015	Pend Oreille	0.42710	8/28/17	0.42965	9/5/17	0.42868	0.6196	W
CBL016	Pend Oreille	0.42403	8/28/17	0.42662	9/5/17	0.42506	0.3977	
CBL017	Pend Oreille	0.42232	8/28/17	0.42535	9/5/17	0.42443	0.6964	
CBL018	Pend Oreille	0.42756	8/28/17	0.43084	9/5/17	0.43036	0.8537	
CBL019	Pend Oreille	0.42081	8/29/17	0.42438	9/6/17	0.42277	0.5490	W
CBL020	Pend Oreille	0.42988	8/29/17	0.43530	9/6/17	0.43293	0.5627	W
CBL022	Pend Oreille	0.41955	8/29/17	0.42534	9/6/17	0.42174	0.3782	
CBL023	Pend Oreille	0.41650	8/29/17	0.41906	9/6/17	0.41823	0.6758	W
CBL024	Pend Oreille	0.42401	8/29/17	0.42906	9/6/17	0.42719	0.6297	W
CBL025	Pend Oreille	0.42602	8/29/17	0.42988	9/6/17	0.42937	0.8679	
CBL026	Pend Oreille	0.42559	8/29/17	0.43004	9/6/17	0.42762	0.4562	
CBL027	Pend Oreille	0.42273	8/29/17	0.42501	9/6/17	0.42461	0.8246	
CBL028	Pend Oreille	0.41844	8/29/17	0.42077	9/6/17	0.41995	0.6481	W
CBL029	Pend Oreille	0.42041	8/30/17	0.42530	9/7/17	0.42436	0.8078	P
CBL030	Pend Oreille	0.41871	8/30/17	0.42686	9/7/17	0.42505	0.7779	P
CBL031	Pend Oreille	0.42222	8/30/17	0.42658	9/7/17	0.42557	0.7683	P
CBL032	Pend Oreille	0.41982	8/30/17	0.42501	9/7/17	0.42166	0.3545	
CBL033	Pend Oreille	0.41870	8/30/17	0.42492	9/7/17	0.42361	0.7894	P
CBL034	Pend Oreille	0.41889	8/30/17	0.42276	9/7/17	0.42274	0.9948	
CBL035	Pend Oreille	0.41834	8/30/17	0.42375	9/7/17	0.42249	0.7671	
CBL036	Pend Oreille	0.41770	8/30/17	0.41867	9/7/17	0.41806	0.3711	
CBL037	Pend Oreille	0.42770	8/30/17	0.43074	9/7/17	0.42944	0.5724	W
CBL038	Pend Oreille	0.41971	8/30/17	0.42502	9/7/17	0.42300	0.6196	W
CBL039	Pend Oreille	0.41847	8/30/17	0.42349	9/7/17	0.42090	0.4841	W
CBL041	Pend Oreille	0.42198	8/30/17	0.42521	9/7/17	0.42401	0.6285	W
CBL042	Pend Oreille	0.41887	8/30/17	0.42130	9/7/17	0.42074	0.7695	P
CBL043	Pend Oreille	0.42036	8/30/17	0.42279	9/7/17	0.42170	0.5514	
CBL044	Pend Oreille	0.41859	8/30/17	0.42015	9/7/17	0.41914	0.3526	
CBL045	Pend Oreille	0.41913	9/1/17	0.42575	9/9/17	0.42278	0.5514	
CBL046	Pend Oreille	0.42638	9/1/17	0.43154	9/9/17	0.42934	0.5736	
CBL047	Pend Oreille	0.42224	9/1/17	0.43071	9/9/17	0.42872	0.7651	
CBL048	Pend Oreille	0.42051	9/1/17	0.42694	9/9/17	0.42305	0.3950	
CBL049	Pend Oreille	0.42089	9/1/17	0.42477	9/9/17	0.42311	0.5722	

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
CBL050	Pend Oreille	0.42351	9/1/17	0.42754	9/9/17	0.42505	0.3821	
CBL051	Pend Oreille	0.42558	9/1/17	0.43233	9/9/17	0.43130	0.8474	
CBL052	Pend Oreille	0.41653	9/1/17	0.42222	9/9/17	0.42001	0.6116	
CBL053	Pend Oreille	0.41841	9/1/17	0.42344	9/9/17	0.42138	0.5905	
CBL054	Pend Oreille	0.42420	9/1/17	0.42911	9/9/17	0.42711	0.5927	
CBL055	Pend Oreille	0.41943	9/1/17	0.42628	9/9/17	0.42355	0.6015	
CBL056	Pend Oreille	0.41628	9/1/17	0.42144	9/9/17	0.41934	0.5930	
CBL057	Pend Oreille	0.41673	9/1/17	0.42008	9/9/17	0.41898	0.6716	
CBL058	Pend Oreille	0.42368	9/1/17	0.42647	9/9/17	0.42477	0.3907	
CBL059	Pend Oreille	0.41872	9/1/17	0.42074	9/9/17	0.41980	0.5347	
CBL060	Pend Oreille	0.41833	9/1/17	0.42236	9/9/17	0.42165	0.8238	
CBL061	Pend Oreille	0.41796	9/1/17	0.42104	9/9/17	0.41995	0.6461	
CBL062	Pend Oreille	0.42272	9/1/17	0.42802	9/9/17	0.42558	0.5396	
CBL063	Pend Oreille	0.41779	9/1/17	0.42146	9/9/17	0.42080	0.8202	
CBL064	Pend Oreille	0.42019	9/1/17	0.42223	9/9/17	0.42123	0.5098	
CBL065	Pend Oreille	0.41871	9/1/17	0.42140	9/9/17	0.41962	0.3383	
CBL066	Pend Oreille	0.42249	9/1/17	0.42974	9/9/17	0.42652	0.5559	
CBL067	Pend Oreille	0.41711	9/1/17	0.41978	9/9/17	0.41857	0.5468	
CBL068	Pend Oreille	0.41899	9/1/17	0.42159	9/9/17	0.42107	0.8000	
CBL069	Pend Oreille	0.41783	9/2/17	0.42365	9/10/17	0.42128	0.5928	
CBL070	Pend Oreille	0.41981	9/2/17	0.42214	9/10/17	0.42106	0.5365	
CBL071	Pend Oreille	0.42135	9/2/17	0.42288	9/10/17	0.42190	0.3595	
CBL072	Pend Oreille	0.43012	9/2/17	0.43554	9/10/17	0.43332	0.5904	
CBL073	Pend Oreille	0.42894	9/2/17	0.43239	9/10/17	0.43160	0.7710	
CBL074	Pend Oreille	0.41975	9/2/17	0.42598	9/10/17	0.42463	0.7833	
CBL075	Pend Oreille	0.42186	9/2/17	0.42639	9/10/17	0.42523	0.7439	P
CBL076	Pend Oreille	0.41841	9/2/17	0.42352	9/10/17	0.42158	0.6204	
CBL077	Pend Oreille	0.41787	9/2/17	0.42560	9/10/17	0.42398	0.7904	P
CBL078	Pend Oreille	0.41751	9/2/17	0.42210	9/10/17	0.42010	0.5643	
CBL079	Pend Oreille	0.42730	9/2/17	0.43025	9/10/17	0.42849	0.4034	
CBL080	Pend Oreille	0.42735	9/2/17	0.43066	9/10/17	0.42922	0.5650	
CBL081	Pend Oreille	0.42994	9/2/17	0.43627	9/10/17	0.43240	0.3886	
CBL082	Pend Oreille	0.42272	9/2/17	0.42576	9/10/17	0.42507	0.7730	
CBL083	Pend Oreille	0.42069	9/2/17	0.42705	9/10/17	0.42477	0.6415	
CBL084	Pend Oreille	0.42084	9/2/17	0.42847	9/10/17	0.42675	0.7746	P
CBL085	Pend Oreille	0.42051	9/2/17	0.42457	9/10/17	0.42277	0.5567	
CBL086	Pend Oreille	0.42086	9/2/17	0.42471	9/10/17	0.42395	0.8026	
CBL087	Pend Oreille	0.42036	9/2/17	0.42378	9/10/17	0.42297	0.7632	
CBL088	Pend Oreille	0.41846	9/2/17	0.42260	9/10/17	0.42078	0.5604	
CBL089	Pend Oreille	0.42213	9/2/17	0.42758	9/10/17	0.42557	0.6312	
CBL090	Pend Oreille	0.42297	9/2/17	0.42895	9/10/17	0.42755	0.7659	
CBL091	Pend Oreille	0.42380	9/2/17	0.42930	9/10/17	0.42811	0.7836	
CBL092	Pend Oreille	0.42702	9/2/17	0.43212	9/10/17	0.43101	0.7824	
CBL093	Pend Oreille	0.41868	9/2/17	0.42293	9/10/17	0.42201	0.7835	
CBL094	Pend Oreille	0.42218	9/2/17	0.42821	9/10/17	0.42673	0.7546	
CBL095	Pend Oreille	0.42183	9/2/17	0.42587	9/10/17	0.42496	0.7748	
CBL096	Pend Oreille	0.41978	9/2/17	0.42276	9/10/17	0.42157	0.6007	
CBL097	Pend Oreille	0.41844	9/2/17	0.42173	9/10/17	0.42034	0.5775	
CBL098	Pend Oreille	0.41748	9/2/17	0.41985	9/10/17	0.41843	0.4008	

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
CBL099	Pend Oreille	0.41845	9/2/17	0.42068	9/10/17	0.41961	0.5202	
CBL100	Pend Oreille	0.42561	9/2/17	0.42903	9/10/17	0.42765	0.5965	
PDL001	Pendleton	0.42358	8/14/18	0.43234	8/22/18	0.43019	0.7546	P
PDL002	Pendleton	0.42684	8/14/18	0.43335	8/22/18	0.43179	0.7604	P
PDL003	Pendleton	0.41978	8/14/18	0.42797	8/22/18	0.42572	0.7253	P
PDL004	Pendleton	0.42352	8/14/18	0.43140	8/22/18	0.42959	0.7703	P
PDL005	Pendleton	0.42003	8/14/18	0.42860	8/22/18	0.42650	0.7550	P
PDL006	Pendleton	0.42345	8/14/18	0.43113	8/22/18	0.42920	0.7487	P
PDL007	Pendleton	0.42030	8/14/18	0.42946	8/22/18	0.42673	0.7020	P
PDL008	Pendleton	0.42036	8/14/18	0.42588	8/22/18	0.42453	0.7554	P
PDL009	Pendleton	0.42347	8/14/18	0.42916	8/22/18	0.42781	0.7627	P
PDL010	Pendleton	0.42543	8/14/18	0.43069	8/22/18	0.42955	0.7833	P
PDL011	Pendleton	0.42188	8/14/18	0.43184	8/22/18	0.42966	0.7811	P
PDL012	Pendleton	0.42272	8/14/18	0.42881	8/22/18	0.42742	0.7718	P
PDL013	Pendleton	0.42117	8/14/18	0.42679	8/22/18	0.42440	0.5747	W
PDL014	Pendleton	0.42593	8/14/18	0.43323	8/22/18	0.43136	0.7438	P
PDL015	Pendleton	0.42501	8/14/18	0.43108	8/22/18	0.42956	0.7496	P
PDL016	Pendleton	0.41762	8/14/18	0.42634	8/22/18	0.42424	0.7592	P
PDL017	Pendleton	0.42072	8/14/18	0.42954	8/22/18	0.42606	0.6054	P
PDL018	Pendleton	0.42473	8/14/18	0.43209	8/22/18	0.43036	0.7649	P
PDL019	Pendleton	0.41808	8/14/18	0.42387	8/22/18	0.42265	0.7893	P
PDL020	Pendleton	0.42154	8/14/18	0.42887	8/22/18	0.42706	0.7531	P
PDL021	Pendleton	0.42697	8/14/18	0.43322	8/22/18	0.43169	0.7552	P
PDL022	Pendleton	0.42318	8/14/18	0.43042	8/22/18	0.42881	0.7776	P
PDL023	Pendleton	0.42361	8/14/18	0.42956	8/22/18	0.42820	0.7714	P
PDL024	Pendleton	0.42188	8/14/18	0.42934	8/22/18	0.42458	0.3619	F
PDL025	Pendleton	0.42242	8/14/18	0.42916	8/22/18	0.42737	0.7344	P
PDL026	Pendleton	0.42520	8/14/18	0.43349	8/22/18	0.43097	0.6960	F
PDL027	Pendleton	0.41770	8/14/18	0.42418	8/22/18	0.42254	0.7469	P
PDL028	Pendleton	0.42282	8/14/18	0.42761	8/22/18	0.42592	0.6472	W
PDL029	Pendleton	0.42163	8/14/18	0.42905	8/22/18	0.42726	0.7588	P
PDL030	Pendleton	0.41957	8/14/18	0.42352	8/22/18	0.42244	0.7266	P
PDL031	Pendleton	0.42304	8/14/18	0.42941	8/22/18	0.42804	0.7849	P
PDL032	Pendleton	0.41908	8/15/18	0.42622	8/23/18	0.42442	0.7479	P
PDL033	Pendleton	0.42321	8/15/18	0.43238	8/23/18	0.43045	0.7895	P
PDL034	Pendleton	0.42565	8/15/18	0.43270	8/23/18	0.43119	0.7858	P
PDL035	Pendleton	0.41785	8/15/18	0.42706	8/23/18	0.42471	0.7448	P
PDL036	Pendleton	0.42590	8/15/18	0.43440	8/23/18	0.43251	0.7776	P
PDL037	Pendleton	0.41843	8/15/18	0.42701	8/23/18	0.42465	0.7249	P
PDL038	Pendleton	0.42344	8/15/18	0.43063	8/23/18	0.42900	0.7733	P
PDL039	Pendleton	0.41995	8/15/18	0.42704	8/23/18	0.42548	0.7800	P
PDL040	Pendleton	0.41907	8/15/18	0.42495	8/23/18	0.42328	0.7160	P
PDL041	Pendleton	0.42216	8/15/18	0.43102	8/23/18	0.42900	0.7720	P
PDL042	Pendleton	0.42055	8/15/18	0.42478	8/23/18	0.42203	0.3499	F
PDL043	Pendleton	0.42571	8/15/18	0.43463	8/23/18	0.43268	0.7814	P
PDL044	Pendleton	0.41894	8/15/18	0.42645	8/23/18	0.42447	0.7364	P
PDL045	Pendleton	0.42383	8/15/18	0.42921	8/23/18	0.42783	0.7435	P
PDL046	Pendleton	0.42298	8/15/18	0.42974	8/23/18	0.42809	0.7559	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
PDL047	Pendleton	0.42223	8/15/18	0.42897	8/23/18	0.42732	0.7552	P
PDL048	Pendleton	0.42559	8/15/18	0.43253	8/23/18	0.42938	0.5461	F
PDL049	Pendleton	0.41934	8/15/18	0.42588	8/23/18	0.42431	0.7599	P
PDL050	Pendleton	0.42316	8/15/18	0.43016	8/23/18	0.42816	0.7143	P
PDL051	Pendleton	0.42339	8/15/18	0.42783	8/23/18	0.42608	0.6059	W
PDL052	Pendleton	0.42543	8/15/18	0.43009	8/23/18	0.42892	0.7489	P
PDL053	Pendleton	0.42338	8/15/18	0.42949	8/23/18	0.42799	0.7545	P
PDL054	Pendleton	0.42564	8/15/18	0.43222	8/23/18	0.43081	0.7857	P
PDL055	Pendleton	0.41800	8/15/18	0.42146	8/23/18	0.42057	0.7428	P
PDL056	Pendleton	0.41751	8/15/18	0.42193	8/23/18	0.42107	0.8054	P
PDL057	Pendleton	0.42025	8/15/18	0.42698	8/23/18	0.42476	0.6701	P
PDL058	Pendleton	0.41787	8/15/18	0.42105	8/23/18	0.41901	0.3585	F
PDL059	Pendleton	0.42144	8/15/18	0.42846	8/23/18	0.42643	0.7108	P
PDL060	Pendleton	0.42292	8/15/18	0.43023	8/23/18	0.42811	0.7100	P
PDL061	Pendleton	0.42365	8/15/18	0.42880	8/23/18	0.42758	0.7631	P
PDL062	Pendleton	0.42027	8/15/18	0.42690	8/23/18	0.42509	0.7270	P
PDL063	Pendleton	0.41941	8/15/18	0.42637	8/23/18	0.42488	0.7859	P
PDL064	Pendleton	0.42357	8/15/18	0.42800	8/23/18	0.42666	0.6975	P
PDL065	Pendleton	0.41860	8/15/18	0.42428	8/23/18	0.42305	0.7835	P
PDL066	Pendleton	0.42018	8/15/18	0.42344	8/23/18	0.42192	0.5337	F
PDL067	Pendleton	0.42378	8/15/18	0.43052	8/23/18	0.42908	0.7864	P
PDL068	Pendleton	0.42433	8/15/18	0.42911	8/23/18	0.42805	0.7782	P
PDL069	Pendleton	0.42316	8/15/18	0.42731	8/23/18	0.42633	0.7639	P
PDL070	Pendleton	0.41886	8/15/18	0.42300	8/23/18	0.42186	0.7246	P
PDL071	Pendleton	0.42344	8/15/18	0.42995	8/23/18	0.42854	0.7834	P
PDL072	Pendleton	0.42608	8/15/18	0.43025	8/23/18	0.42922	0.7530	P
PDL073	Pendleton	0.42343	8/15/18	0.43053	8/23/18	0.42877	0.7521	P
PDL074	Pendleton	0.42182	8/15/18	0.42402	8/23/18	0.42265	0.3773	F
PDL075	Pendleton	0.42727	8/16/18	0.43767	8/24/18	0.43495	0.7385	P
PDL076	Pendleton	0.41985	8/16/18	0.42660	8/24/18	0.42494	0.7541	P
PDL077	Pendleton	0.42403	8/16/18	0.43165	8/24/18	0.42957	0.7270	P
PDL078	Pendleton	0.42587	8/16/18	0.43277	8/24/18	0.43084	0.7203	P
PDL079	Pendleton	0.42237	8/16/18	0.42826	8/24/18	0.42566	0.5586	P
PDL080	Pendleton	0.42177	8/16/18	0.43143	8/24/18	0.42869	0.7164	P
PDL081	Pendleton	0.42183	8/16/18	0.43016	8/24/18	0.42836	0.7839	P
PDL082	Pendleton	0.42815	8/16/18	0.43423	8/24/18	0.43276	0.7582	P
PDL083	Pendleton	0.42576	8/16/18	0.43416	8/24/18	0.43197	0.7393	P
PDL084	Pendleton	0.42627	8/16/18	0.43543	8/24/18	0.43305	0.7402	P
PDL085	Pendleton	0.42437	8/16/18	0.43279	8/24/18	0.43065	0.7458	P
PDL086	Pendleton	0.44379	8/16/18	0.45016	8/24/18	0.44850	0.7394	P
PDL087	Pendleton	0.42436	8/16/18	0.43235	8/24/18	0.43048	0.7660	P
PDL088	Pendleton	0.42324	8/16/18	0.43270	8/24/18	0.43030	0.7463	P
PDL089	Pendleton	0.42348	8/16/18	0.43242	8/24/18	0.43036	0.7696	P
PDL090	Pendleton	0.41925	8/16/18	0.42614	8/24/18	0.42434	0.7388	P
PDL091	Pendleton	0.44368	8/16/18	0.45078	8/24/18	0.44909	0.7620	P
PDL092	Pendleton	0.42406	8/16/18	0.43257	8/24/18	0.43033	0.7362	P
PDL093	Pendleton	0.44386	8/16/18	0.44966	8/24/18	0.44817	0.7431	P
PDL094	Pendleton	0.42418	8/16/18	0.43188	8/24/18	0.42981	0.7312	P
PDL095	Pendleton	0.42566	8/16/18	0.43192	8/24/18	0.43019	0.7236	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
PDL096	Pendleton	0.44382	8/16/18	0.45017	8/24/18	0.44849	0.7354	P
PDL097	Pendleton	0.42567	8/16/18	0.43217	8/24/18	0.43070	0.7738	P
PDL098	Pendleton	0.42189	8/16/18	0.42831	8/24/18	0.42634	0.6931	P
PDL099	Pendleton	0.42201	8/16/18	0.42667	8/24/18	0.42536	0.7189	P
PDL100	Pendleton	0.42425	8/16/18	0.43048	8/24/18	0.42894	0.7528	P
PDL101	Pendleton	0.44367	8/16/18	0.44668	8/24/18	0.44582	0.7143	P
PDL102	Pendleton	0.42422	8/16/18	0.43093	8/24/18	0.42928	0.7541	P
PDL103	Pendleton	0.42562	8/16/18	0.43396	8/24/18	0.43209	0.7758	P
PDL104	Pendleton	0.42542	8/16/18	0.43246	8/24/18	0.43079	0.7628	P
PDL105	Pendleton	0.42213	8/16/18	0.42791	8/24/18	0.42639	0.7370	P
PDL106	Pendleton	0.42584	8/16/18	0.43292	8/24/18	0.43123	0.7613	P
PDL107	Pendleton	0.42490	8/16/18	0.43086	8/24/18	0.42943	0.7601	P
PDL108	Pendleton	0.42468	8/16/18	0.42805	8/24/18	0.42672	0.6053	P
PDL109	Pendleton	0.42344	8/16/18	0.42849	8/24/18	0.42712	0.7287	P
PDL110	Pendleton	0.42508	8/16/18	0.43375	8/24/18	0.43184	0.7797	P
PDL111	Pendleton	0.42537	8/16/18	0.43051	8/24/18	0.42910	0.7257	P
PDL112	Pendleton	0.42342	8/16/18	0.42712	8/24/18	0.42579	0.6405	P
PDL113	Pendleton	0.42759	8/16/18	0.43202	8/24/18	0.42906	0.3318	F
PDL114	Pendleton	0.42328	8/16/18	0.42989	8/24/18	0.42819	0.7428	P
PDL115	Pendleton	0.42311	8/16/18	0.43097	8/24/18	0.42926	0.7824	P
PDL116	Pendleton	0.42746	8/16/18	0.43252	8/24/18	0.43122	0.7431	P
PDL117	Pendleton	0.42311	8/16/18	0.43049	8/24/18	0.42858	0.7412	P
PDL118	Pendleton	0.44279	8/16/18	0.44763	8/24/18	0.44462	0.3781	F
PDL119	Pendleton	0.42769	8/17/18	0.43406	8/25/18	0.43244	0.7457	P
PDL120	Pendleton	0.42717	8/17/18	0.43542	8/25/18	0.43309	0.7176	P
PDL121	Pendleton	0.44305	8/17/18	0.44968	8/25/18	0.44804	0.7526	P
PDL122	Pendleton	0.42330	8/17/18	0.43229	8/25/18	0.42947	0.6863	P
PDL123	Pendleton	0.42194	8/17/18	0.43065	8/25/18	0.42856	0.7600	P
PDL124	Pendleton	0.44301	8/17/18	0.44757	8/25/18	0.44639	0.7412	P
PDL125	Pendleton	0.42199	8/17/18	0.42960	8/25/18	0.42738	0.7083	P
PDL126	Pendleton	0.44250	8/17/18	0.44904	8/25/18	0.44714	0.7095	P
PDL127	Pendleton	0.42387	8/17/18	0.42986	8/25/18	0.42832	0.7429	P
PDL128	Pendleton	0.42548	8/17/18	0.43279	8/25/18	0.43076	0.7223	P
PDL129	Pendleton	0.44997	8/17/18	0.45732	8/25/18	0.45510	0.6980	P
PDL130	Pendleton	0.42467	8/17/18	0.43124	8/25/18	0.42918	0.6865	P
PDL131	Pendleton	0.42110	8/17/18	0.42891	8/25/18	0.42690	0.7426	P
PDL132	Pendleton	0.42340	8/17/18	0.42979	8/25/18	0.42801	0.7214	P
PDL133	Pendleton	0.42726	8/17/18	0.43627	8/25/18	0.43424	0.7747	P
PDL134	Pendleton	0.42470	8/17/18	0.43123	8/25/18	0.42971	0.7672	P
PDL135	Pendleton	0.41902	8/17/18	0.42649	8/25/18	0.42484	0.7791	P
PDL136	Pendleton	0.42164	8/17/18	0.42926	8/25/18	0.42726	0.7375	P
PDL137	Pendleton	0.42164	8/17/18	0.42846	8/25/18	0.42654	0.7185	P
PDL138	Pendleton	0.42326	8/17/18	0.42959	8/25/18	0.42745	0.6619	P
PDL139	Pendleton	0.42500	8/17/18	0.42930	8/25/18	0.42803	0.7047	P
PDL140	Pendleton	0.44993	8/17/18	0.45682	8/25/18	0.45525	0.7721	P
PDL141	Pendleton	0.42131	8/17/18	0.43076	8/25/18	0.42804	0.7122	P
PDL142	Pendleton	0.42358	8/17/18	0.42974	8/25/18	0.42815	0.7419	P
PDL143	Pendleton	0.44331	8/17/18	0.45011	8/25/18	0.44826	0.7279	P
PDL144	Pendleton	0.42018	8/17/18	0.42534	8/25/18	0.42383	0.7074	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
PDL145	Pendleton	0.42499	8/17/18	0.42864	8/25/18	0.42755	0.7014	P
PDL146	Pendleton	0.42353	8/17/18	0.42987	8/25/18	0.42590	0.3738	F
PDL147	Pendleton	0.42226	8/17/18	0.42579	8/25/18	0.42458	0.6572	P
PDL148	Pendleton	0.42366	8/17/18	0.43030	8/25/18	0.42852	0.7319	P
PDL149	Pendleton	0.42557	8/17/18	0.42861	8/25/18	0.42773	0.7105	P
PDL150	Pendleton	0.42396	8/17/18	0.43071	8/25/18	0.42885	0.7244	P
PDL151	Pendleton	0.42332	8/17/18	0.42834	8/25/18	0.42714	0.7610	P
PDL152	Pendleton	0.42078	8/17/18	0.42782	8/25/18	0.42603	0.7457	P
PDL153	Pendleton	0.42350	8/17/18	0.43087	8/25/18	0.42904	0.7517	P
PDL154	Pendleton	0.42275	8/17/18	0.42711	8/25/18	0.42575	0.6881	P
PDL155	Pendleton	0.42702	8/17/18	0.43179	8/25/18	0.42893	0.4004	F
PDL156	Pendleton	0.42633	8/17/18	0.43372	8/25/18	0.43190	0.7537	P
PDL157	Pendleton	0.42148	8/17/18	0.42749	8/25/18	0.42341	0.3211	F
PDL158	Pendleton	0.42306	8/17/18	0.42969	8/25/18	0.42792	0.7330	P
PDL159	Pendleton	0.42133	8/18/18	0.42985	8/26/18	0.42796	0.7782	P
PDL160	Pendleton	0.42177	8/18/18	0.43015	8/26/18	0.42772	0.7100	P
PDL161	Pendleton	0.42728	8/18/18	0.43546	8/26/18	0.43328	0.7335	P
PDL162	Pendleton	0.42139	8/18/18	0.43019	8/26/18	0.42797	0.7477	P
PDL163	Pendleton	0.41879	8/18/18	0.42800	8/26/18	0.42550	0.7286	P
PDL164	Pendleton	0.41855	8/18/18	0.42479	8/26/18	0.42301	0.7147	P
PDL165	Pendleton	0.42724	8/18/18	0.43543	8/26/18	0.43337	0.7485	P
PDL166	Pendleton	0.42042	8/18/18	0.42802	8/26/18	0.42595	0.7276	P
PDL167	Pendleton	0.42382	8/18/18	0.43309	8/26/18	0.43054	0.7249	P
PDL168	Pendleton	0.44325	8/18/18	0.45287	8/26/18	0.45000	0.7017	P
PDL169	Pendleton	0.44301	8/18/18	0.45095	8/26/18	0.44897	0.7506	P
PDL170	Pendleton	0.42427	8/18/18	0.43171	8/26/18	0.42956	0.7110	P
PDL171	Pendleton	0.42519	8/18/18	0.43172	8/26/18	0.43001	0.7381	P
PDL172	Pendleton	0.42144	8/18/18	0.42877	8/26/18	0.42698	0.7558	P
PDL173	Pendleton	0.42297	8/18/18	0.42963	8/26/18	0.42796	0.7492	P
PDL174	Pendleton	0.42334	8/18/18	0.42969	8/26/18	0.42825	0.7732	P
PDL175	Pendleton	0.44335	8/18/18	0.44974	8/26/18	0.44828	0.7715	P
PDL176	Pendleton	0.42158	8/18/18	0.42920	8/26/18	0.42722	0.7402	P
PDL177	Pendleton	0.42532	8/18/18	0.43000	8/26/18	0.42873	0.7286	P
PDL178	Pendleton	0.42320	8/18/18	0.42889	8/26/18	0.42746	0.7487	P
PDL179	Pendleton	0.42323	8/18/18	0.42715	8/26/18	0.42595	0.6939	P
PDL180	Pendleton	0.42317	8/18/18	0.42871	8/26/18	0.42719	0.7256	P
PDL181	Pendleton	0.42265	8/18/18	0.42677	8/26/18	0.42561	0.7184	P
PDL182	Pendleton	0.44271	8/18/18	0.44766	8/26/18	0.44577	0.6182	P
PDL183	Pendleton	0.42327	8/18/18	0.42698	8/26/18	0.42453	0.3396	F
PDL184	Pendleton	0.42527	8/18/18	0.42901	8/26/18	0.42794	0.7139	P
PDL185	Pendleton	0.44289	8/18/18	0.44958	8/26/18	0.44789	0.7474	P
PDL186	Pendleton	0.42357	8/18/18	0.43202	8/26/18	0.43001	0.7621	P
PDL187	Pendleton	0.42161	8/18/18	0.42701	8/26/18	0.42559	0.7370	P
PDL188	Pendleton	0.42134	8/18/18	0.42851	8/26/18	0.42679	0.7601	P
PDL189	Pendleton	0.42252	8/18/18	0.42989	8/26/18	0.42507	0.3460	F
PDL190	Pendleton	0.42390	8/18/18	0.43055	8/26/18	0.42882	0.7398	P
PDL191	Pendleton	0.42381	8/18/18	0.43081	8/26/18	0.42920	0.7700	P
PDL192	Pendleton	0.41865	8/18/18	0.42575	8/26/18	0.42291	0.6000	P
PDL193	Pendleton	0.42720	8/18/18	0.43446	8/26/18	0.43268	0.7548	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
PDL195	Pendleton	0.42327	8/18/18	0.43109	8/26/18	0.42910	0.7455	P
PTL001	Port Townsend	0.42364	9/7/18	0.42661	9/15/18	0.42549	0.6229	W
PTL002	Port Townsend	0.42323	9/7/18	0.43130	9/15/18	0.42906	0.7224	P
PTL003	Port Townsend	0.42188	9/7/18	0.42828	9/15/18	0.42683	0.7734	P
PTL004	Port Townsend	0.42554	9/7/18	0.43165	9/15/18	0.43028	0.7758	P
PTL005	Port Townsend	0.42163	9/7/18	0.42652	9/15/18	0.42440	0.5665	W
PTL006	Port Townsend	0.42513	9/7/18	0.42919	9/15/18	0.42822	0.7611	P
PTL007	Port Townsend	0.41818	9/7/18	0.42340	9/15/18	0.42094	0.5287	W
PTL008	Port Townsend	0.44316	9/7/18	0.44859	9/15/18	0.44728	0.7587	P
PTL009	Port Townsend	0.45042	9/8/18	0.45686	9/16/18	0.45523	0.7469	P
PTL010	Port Townsend	0.42353	9/8/18	0.42939	9/16/18	0.42646	0.5000	F
PTL011	Port Townsend	0.42521	9/8/18	0.43392	9/16/18	0.43138	0.7084	P
PTL012	Port Townsend	0.42153	9/9/18	0.43127	9/17/18	0.42881	0.7474	P
PTL013	Port Townsend	0.44313	9/9/18	0.45045	9/17/18	0.44877	0.7705	P
PTL014	Port Townsend	0.44230	9/9/18	0.44749	9/17/18	0.44478	0.4780	F
PTL015	Port Townsend	0.45018	9/9/18	0.45880	9/17/18	0.45657	0.7413	P
PTL016	Port Townsend	0.42554	9/9/18	0.43321	9/17/18	0.43152	0.7797	P
PTL017	Port Townsend	0.42420	9/10/18	0.43020	9/18/18	0.42748	0.5467	W
PTL018	Port Townsend	0.44847	9/10/18	0.45429	9/18/18	0.45175	0.5636	W
PTL019	Port Townsend	0.42502	9/11/18	0.43102	9/19/18	0.42965	0.7717	P
PTL020	Port Townsend	0.42177	9/12/18	0.42582	9/20/18	0.42455	0.6864	F
PTL021	Port Townsend	0.42391	9/13/18	0.43046	9/21/18	0.42897	0.7725	P
PTL022	Port Townsend	0.42509	9/13/18	0.43010	9/21/18	0.42803	0.5868	W
PTL023	Port Townsend	0.42377	9/13/18	0.42855	9/21/18	0.42761	0.8033	P
PTL024	Port Townsend	0.41932	9/14/18	0.42258	9/22/18	0.42178	0.7546	P
PTL025	Port Townsend	0.45042	9/15/18	0.45560	9/23/18	0.45446	0.7799	P
PTL026	Port Townsend	0.42573	9/16/18	0.42851	9/24/18	0.42777	0.7338	P
PTL027	Port Townsend	0.42499	9/16/18	0.42910	9/24/18	0.42804	0.7421	P
PTL028	Port Townsend	0.44305	9/16/18	0.45099	9/24/18	0.44849	0.6851	P
PTL029	Port Townsend	0.44330	9/17/18	0.45056	9/25/18	0.44897	0.7810	P
PTL030	Port Townsend	0.42167	9/17/18	0.42853	9/25/18	0.42538	0.5408	W
PTL031	Port Townsend	0.42161	9/17/18	0.42943	9/25/18	0.42607	0.5703	W
PTL032	Port Townsend	0.42389	9/18/18	0.42853	9/26/18	0.42740	0.7565	P
PTL033	Port Townsend	0.42301	9/18/18	0.42666	9/26/18	0.42542	0.6603	F
PTL034	Port Townsend	0.46839	9/19/18	0.47488	9/27/18	0.47202	0.5593	F
PTL035	Port Townsend	0.41831	9/20/18	0.42252	9/28/18	0.42140	0.7340	P
PTL036	Port Townsend	0.42284	9/20/18	0.42972	9/28/18	0.42764	0.6977	P
PTL037	Port Townsend	0.42251	9/22/18	0.42710	9/29/18	0.42649	0.8671	P
PTL038	Port Townsend	0.42134	9/22/18	0.42465	9/30/18	0.42392	0.7795	P
PTL039	Port Townsend	0.45616	9/23/18	0.45939	10/1/18	0.45873	0.7957	P
PTL040	Port Townsend	0.46808	9/23/18	0.47167	10/1/18	0.47069	0.7270	P
PTL041	Port Townsend	0.42137	9/23/18	0.42597	10/1/18	0.42496	0.7804	P
PTL042	Port Townsend	0.42125	9/24/18	0.42648	10/2/18	0.42532	0.7782	P
PTL043	Port Townsend	0.42273	10/3/18	0.42466	10/11/18	0.42370	0.5026	F
POL001	Portland	0.41929	8/12/17	0.42501	8/20/17	0.42219	0.5070	W
POL002	Portland	0.41924	8/12/17	0.42462	8/20/17	0.42178	0.4721	W
POL003	Portland	0.42720	8/13/17	0.43238	8/21/17	0.42979	0.5000	W
POL004	Portland	0.41880	8/13/17	0.42274	8/21/17	0.42083	0.5152	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
POL005	Portland	0.42259	8/13/17	0.42747	8/21/17	0.42499	0.4918	W
POL006	Portland	0.42333	8/13/17	0.42909	8/21/17	0.42766	0.7517	P
POL007	Portland	0.41913	8/13/17	0.42527	8/21/17	0.42288	0.6107	P
POL008	Portland	0.41853	8/13/17	0.42256	8/21/17	0.42076	0.5533	W
POL009	Portland	0.42289	8/13/17	0.42813	8/21/17	0.42668	0.7233	P
POL010	Portland	0.41918	8/13/17	0.42409	8/21/17	0.42178	0.5295	W
POL011	Portland	0.42348	8/14/17	0.42768	8/22/17	0.42580	0.5524	W
POL012	Portland	0.42027	8/14/17	0.42683	8/22/17	0.42374	0.5290	W
POL013	Portland	0.42069	8/14/17	0.42755	8/22/17	0.42417	0.5073	W
POL014	Portland	0.41899	8/14/17	0.42407	8/22/17	0.42103	0.4016	W
POL015	Portland	0.42299	8/14/17	0.42693	8/22/17	0.42519	0.5584	W
POL016	Portland	0.41879	8/14/17	0.42340	8/22/17	0.42202	0.7007	P
POL017	Portland	0.42398	8/14/17	0.42952	8/22/17	0.42813	0.7491	P
POL018	Portland	0.41902	8/14/17	0.42426	8/22/17	0.42178	0.5267	W
POL019	Portland	0.41959	8/14/17	0.42442	8/22/17	0.42203	0.5052	W
POL020	Portland	0.41872	8/14/17	0.42506	8/22/17	0.42296	0.6688	P
POL021	Portland	0.42427	8/14/17	0.42968	8/22/17	0.42804	0.6969	P
POL022	Portland	0.41942	8/14/17	0.42378	8/22/17	0.42172	0.5275	W
POL023	Portland	0.41887	8/14/17	0.42420	8/22/17	0.42166	0.5235	W
POL024	Portland	0.42279	8/14/17	0.42517	8/22/17	0.42401	0.5126	W
POL025	Portland	0.43056	8/15/16	0.43642	8/23/17	0.43382	0.5563	W
POL026	Portland	0.42115	8/15/16	0.42719	8/23/17	0.42533	0.6921	P
POL027	Portland	0.41925	8/15/16	0.42501	8/23/17	0.42222	0.5156	W
POL028	Portland	0.42379	8/15/16	0.43011	8/23/17	0.42698	0.5047	W
POL029	Portland	0.42329	8/15/16	0.42945	8/23/17	0.42811	0.7825	P
POL030	Portland	0.41830	8/15/16	0.42380	8/23/17	0.42258	0.7782	
POL031	Portland	0.41691	8/15/16	0.42197	8/23/17	0.41948	0.5079	
POL032	Portland	0.41931	8/15/16	0.42290	8/23/17	0.42147	0.6017	
POL033	Portland	0.42112	8/15/16	0.42586	8/23/17	0.42493	0.8038	
POL034	Portland	0.41850	8/15/16	0.42336	8/23/17	0.42107	0.5288	
POL035	Portland	0.41914	8/15/16	0.42332	8/23/17	0.42144	0.5502	
POL036	Portland	0.41961	8/15/16	0.42517	8/23/17	0.42355	0.7086	
POL037	Portland	0.41871	8/15/16	0.42401	8/23/17	0.42148	0.5226	
POL038	Portland	0.42420	8/15/16	0.43057	8/23/17	0.42727	0.4819	
POL039	Portland	0.42833	8/15/16	0.43383	8/23/17	0.43112	0.5073	
POL040	Portland	0.41796	8/15/16	0.42183	8/23/17	0.41991	0.5039	
POL041	Portland	0.42242	8/15/16	0.42555	8/23/17	0.42419	0.5655	
POL042	Portland	0.41869	8/15/16	0.42250	8/23/17	0.42075	0.5407	
POL043	Portland	0.41868	8/15/16	0.42274	8/23/17	0.42117	0.6133	
POL044	Portland	0.42356	8/16/17	0.42900	8/24/17	0.42749	0.7224	
POL045	Portland	0.42418	8/16/17	0.42984	8/24/17	0.42698	0.4947	
POL046	Portland	0.42441	8/16/17	0.43041	8/24/17	0.42859	0.6967	
POL047	Portland	0.42037	8/16/17	0.42572	8/24/17	0.42306	0.5028	
POL048	Portland	0.42083	8/16/17	0.42602	8/24/17	0.42356	0.5260	
POL049	Portland	0.41711	8/16/17	0.42063	8/24/17	0.41959	0.7045	
POL050	Portland	0.42715	8/16/17	0.43424	8/24/17	0.43243	0.7447	P
POL051	Portland	0.42429	8/16/17	0.42753	8/24/17	0.42585	0.4815	
POL052	Portland	0.43077	8/16/17	0.43551	8/24/17	0.43314	0.5000	
POL053	Portland	0.42360	8/16/17	0.42818	8/24/17	0.42692	0.7249	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
POL054	Portland	0.41833	8/16/17	0.42213	8/24/17	0.41965	0.3474	
POL055	Portland	0.42424	8/16/17	0.42728	8/24/17	0.42572	0.4868	
POL056	Portland	0.42834	8/16/17	0.43273	8/24/17	0.43106	0.6196	
POL057	Portland	0.41905	8/16/17	0.42348	8/24/17	0.42145	0.5418	
POL058	Portland	0.42441	8/16/17	0.42879	8/24/17	0.42671	0.5251	
POL059	Portland	0.42246	8/16/17	0.42740	8/24/17	0.42506	0.5263	
POL060	Portland	0.41811	8/16/17	0.42381	8/24/17	0.42095	0.4982	
POL061	Portland	0.41808	8/16/17	0.42198	8/24/17	0.42053	0.6282	
POL062	Portland	0.41867	8/16/17	0.42442	8/24/17	0.42173	0.5322	
POL063	Portland	0.41995	8/17/17	0.42600	8/25/17	0.42316	0.5306	
POL064	Portland	0.42474	8/17/17	0.43026	8/25/17	0.42702	0.4130	
POL065	Portland	0.41849	8/17/17	0.42450	8/25/17	0.42220	0.6173	
POL066	Portland	0.42723	8/17/17	0.43380	8/25/17	0.43014	0.4429	
POL067	Portland	0.42061	8/17/17	0.42390	8/25/17	0.42226	0.5015	
POL068	Portland	0.42269	8/17/17	0.42758	8/25/17	0.42457	0.3845	
POL069	Portland	0.41666	8/17/17	0.42366	8/25/17	0.42187	0.7443	P
POL070	Portland	0.42723	8/17/17	0.42941	8/25/17	0.42785	0.2844	
POL071	Portland	0.41919	8/17/17	0.42495	8/25/17	0.42222	0.5260	
POL072	Portland	0.42373	8/17/17	0.42997	8/25/17	0.42729	0.5705	
POL073	Portland	0.41966	8/17/17	0.42293	8/25/17	0.42093	0.3884	
POL074	Portland	0.42193	8/17/17	0.42643	8/25/17	0.42351	0.3511	
POL075	Portland	0.41841	8/17/17	0.42225	8/25/17	0.42023	0.4740	
POL076	Portland	0.41803	8/18/17	0.42336	8/26/17	0.41993	0.3565	
POL077	Portland	0.42994	8/18/17	0.43766	8/26/17	0.43558	0.7306	
POL078	Portland	0.41794	8/18/17	0.42107	8/26/17	0.41913	0.3802	
POL079	Portland	0.42252	8/18/17	0.42816	8/26/17	0.42537	0.5053	
POL080	Portland	0.42768	8/18/17	0.43365	8/26/17	0.42968	0.3350	
POL081	Portland	0.41672	8/18/17	0.42117	8/26/17	0.41836	0.3685	
POL082	Portland	0.42648	8/18/17	0.43491	8/26/17	0.43279	0.7485	
POL083	Portland	0.41905	8/18/17	0.42608	8/26/17	0.42189	0.4040	
POL084	Portland	0.42743	8/18/17	0.43368	8/26/17	0.43070	0.5232	
POL085	Portland	0.42591	8/18/17	0.43136	8/26/17	0.42787	0.3596	
POL086	Portland	0.42443	8/18/17	0.42703	8/26/17	0.42539	0.3692	
Q0582	Satus	0.47246	9/2/20	0.47793	9/10/20	0.47626	0.6947	P
Q0583	Satus	0.47303	9/2/20	0.47818	9/10/20	0.47611	0.5981	W
Q0584	Satus	0.47272	9/2/20	0.47624	9/10/20	0.47470	0.5625	W
Q0585	Satus	0.47195	9/2/20	0.47660	9/10/20	0.47474	0.6000	P
Q0586	Satus	0.46930	9/2/20	0.47355	9/10/20	0.47168	0.5600	W
Q0587	Satus	0.46945	9/2/20	0.47333	9/10/20	0.47041	0.2474	F
Q0588	Satus	0.47368	9/2/20	0.47668	9/10/20	0.47445	0.2567	F
Q0589	Satus	0.47095	9/2/20	0.47640	9/10/20	0.47276	0.3321	F
Q0590	Satus	0.47525	9/2/20	0.47867	9/10/20	0.47625	0.2924	F
Q0591	Satus	0.47035	9/2/20	0.47631	9/10/20	0.47417	0.6409	P
Q0592	Satus	0.47192	9/2/20	0.47562	9/10/20	0.47395	0.5486	W
Q0593	Satus	0.46965	9/2/20	0.47369	9/10/20	0.47112	0.3639	F
Q0594	Satus	0.46823	9/2/20	0.47323	9/10/20	0.47131	0.6160	P
Q0595	Satus	0.47287	9/2/20	0.47745	9/10/20	0.47504	0.4738	W
Q0596	Satus	0.47664	9/2/20	0.48306	9/10/20	0.47984	0.4984	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q0597	Satus	0.47188	9/2/20	0.47692	9/10/20	0.47451	0.5218	P
Q0598	Satus	0.46823	9/2/20	0.47278	9/10/20	0.47062	0.5253	P
Q0599	Satus	0.47272	9/2/20	0.47593	9/10/20	0.47376	0.3240	F
Q0600	Satus	0.46787	9/2/20	0.47221	9/10/20	0.47075	0.6636	P
Q0601	Satus	0.47011	9/2/20	0.47538	9/10/20	0.47271	0.4934	W
Q0602	Satus	0.47131	9/2/20	0.47626	9/10/20	0.47534	0.8141	P
Q0603	Satus	0.47121	9/2/20	0.47534	9/10/20	0.47432	0.7530	P
Q0604	Satus	0.47237	9/2/20	0.47865	9/10/20	0.47632	0.6290	P
Q0605	Satus	0.47465	9/2/20	0.47944	9/10/20	0.47819	0.7390	P
Q0606	Satus	0.47429	9/2/20	0.47941	9/10/20	0.47755	0.6367	P
Q0607	Satus	0.47008	9/2/20	0.47521	9/10/20	0.47319	0.6062	P
Q0608	Satus	0.47309	9/2/20	0.47797	9/10/20	0.47594	0.5840	P
Q0609	Satus	0.46819	9/2/20	0.47342	9/10/20	0.47116	0.5679	W
Q0610	Satus	0.46882	9/2/20	0.47726	9/10/20	0.47438	0.6588	P
Q0611	Satus	0.47277	9/2/20	0.48009	9/10/20	0.47767	0.6694	W
Q0612	Satus	0.47210	9/2/20	0.47708	9/10/20	0.47586	0.7550	P
Q0613	Satus	0.47558	9/2/20	0.48061	9/10/20	0.47767	0.4155	W
Q0614	Satus	0.47123	9/2/20	0.47611	9/10/20	0.47400	0.5676	W
Q0615	Satus	0.47280	9/2/20	0.47903	9/10/20	0.47625	0.5538	W
Q0616	Satus	0.47695	9/2/20	0.48353	9/10/20	0.47912	0.3298	F
Q0617	Satus	0.47580	9/2/20	0.48073	9/10/20	0.47909	0.6673	P
Q0618	Satus	0.47468	9/2/20	0.47918	9/10/20	0.47725	0.5711	P
Q0688	Satus	0.47023	9/3/20	0.47602	9/11/20	0.47356	0.5751	W
Q0689	Satus	0.47221	9/3/20	0.47803	9/11/20	0.47525	0.5223	W
Q0690	Satus	0.47046	9/3/20	0.47526	9/11/20	0.47422	0.7833	P
Q0691	Satus	0.47701	9/3/20	0.48130	9/11/20	0.47942	0.5618	W
Q0692	Satus	0.47535	9/3/20	0.48262	9/11/20	0.48111	0.7923	P
Q0693	Satus	0.47211	9/3/20	0.47867	9/11/20	0.47727	0.7866	P
Q0694	Satus	0.47054	9/3/20	0.47534	9/11/20	0.47387	0.6938	P
Q0695	Satus	0.46577	9/3/20	0.47146	9/11/20	0.46904	0.5747	W
Q0696	Satus	0.47118	9/3/20	0.47571	9/11/20	0.47425	0.6777	W
Q0697	Satus	0.47541	9/3/20	0.48005	9/11/20	0.47789	0.5345	W
Q0698	Satus	0.47138	9/3/20	0.47649	9/11/20	0.47535	0.7769	P
Q0699	Satus	0.47171	9/3/20	0.47567	9/11/20	0.47491	0.8081	P
Q0700	Satus	0.47424	9/3/20	0.47851	9/11/20	0.47767	0.8033	P
Q0701	Satus	0.47287	9/3/20	0.47704	9/11/20	0.47521	0.5612	W
Q0702	Satus	0.46733	9/3/20	0.47123	9/11/20	0.47022	0.7410	P
Q0703	Satus	0.47089	9/3/20	0.47511	9/11/20	0.47414	0.7701	P
Q0704	Satus	0.47257	9/3/20	0.47671	9/11/20	0.47472	0.5193	W
Q0705	Satus	0.47238	9/3/20	0.47722	9/11/20	0.47585	0.7169	P
Q0706	Satus	0.47052	9/3/20	0.47330	9/11/20	0.47152	0.3597	W
Q0707	Satus	0.47508	9/3/20	0.47827	9/11/20	0.47737	0.7179	P
Q0805	Satus	0.47672	9/4/20	0.48061	9/12/20	0.47947	0.7069	P
Q0806	Satus	0.48064	9/4/20	0.48538	9/12/20	0.48326	0.5527	W
Q0807	Satus	0.47636	9/4/20	0.48013	9/12/20	0.47839	0.5385	W
Q0808	Satus	0.47865	9/4/20	0.48273	9/12/20	0.48121	0.6275	W
Q0809	Satus	0.47983	9/4/20	0.48595	9/12/20	0.48442	0.7500	P
Q0810	Satus	0.47632	9/4/20	0.48152	9/12/20	0.48034	0.7731	P
Q0811	Satus	0.47783	9/4/20	0.48227	9/12/20	0.48045	0.5901	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q0812	Satus	0.47924	9/4/20	0.48650	9/12/20	0.48503	0.7975	P
Q1027	Satus	0.47602	9/5/20	0.48169	9/13/20	0.47916	0.5538	W
Q1028	Satus	0.47514	9/5/20	0.48183	9/13/20	0.47889	0.5605	W
Q1029	Satus	0.47865	9/5/20	0.48520	9/13/20	0.48372	0.7740	P
Q1030	Satus	0.47322	9/5/20	0.47809	9/13/20	0.47675	0.7248	P
Q1031	Satus	0.48598	9/5/20	0.49055	9/13/20	0.48849	0.5492	W
Q1032	Satus	0.47608	9/5/20	0.48297	9/13/20	0.48098	0.7112	P
Q1033	Satus	0.48596	9/5/20	0.49134	9/13/20	0.48984	0.7212	P
Q1034	Satus	0.47299	9/5/20	0.47691	9/13/20	0.47504	0.5230	W
Q1035	Satus	0.47388	9/5/20	0.47830	9/13/20	0.47702	0.7104	P
Q1036	Satus	0.47930	9/5/20	0.48513	9/13/20	0.48231	0.5163	W
Q1037	Satus	0.47692	9/5/20	0.48141	9/13/20	0.48035	0.7639	P
Q1038	Satus	0.47436	9/5/20	0.47831	9/13/20	0.47651	0.5443	W
Q1039	Satus	0.47910	9/5/20	0.48434	9/13/20	0.48305	0.7538	P
Q1040	Satus	0.47947	9/5/20	0.48418	9/13/20	0.48199	0.5350	W
Q1041	Satus	0.47985	9/5/20	0.48507	9/13/20	0.48289	0.5824	W
Q1042	Satus	0.48640	9/5/20	0.49228	9/13/20	0.49071	0.7330	P
Q1043	Satus	0.47813	9/5/20	0.48294	9/13/20	0.48060	0.5135	W
Q1093	Satus	0.47921	9/7/20	0.48461	9/15/20	0.48221	0.5556	W
Q1094	Satus	0.47653	9/7/20	0.48500	9/15/20	0.48271	0.7296	P
Q1095	Satus	0.47911	9/7/20	0.48428	9/15/20	0.48198	0.5551	W
Q1096	Satus	0.47858	9/7/20	0.48434	9/15/20	0.48214	0.6181	P
Q1097	Satus	0.47823	9/7/20	0.48413	9/15/20	0.48032	0.3542	F
Q1098	Satus	0.47470	9/7/20	0.48156	9/15/20	0.47799	0.4796	W
Q1099	Satus	0.47883	9/7/20	0.48464	9/15/20	0.48196	0.5387	W
Q1100	Satus	0.47261	9/7/20	0.47957	9/15/20	0.47779	0.7443	P
Q1101	Satus	0.47878	9/7/20	0.48372	9/15/20	0.48125	0.5000	W
Q1102	Satus	0.47598	9/7/20	0.48152	9/15/20	0.47902	0.5487	W
Q1103	Satus	0.47791	9/7/20	0.48462	9/15/20	0.48265	0.7064	P
Q1104	Satus	0.47981	9/7/20	0.48471	9/15/20	0.48235	0.5184	W
Q1105	Satus	0.47574	9/7/20	0.48324	9/15/20	0.48112	0.7173	P
Q1106	Satus	0.48132	9/7/20	0.48650	9/15/20	0.48418	0.5521	W
Q1107	Satus	0.48527	9/7/20	0.49093	9/15/20	0.48897	0.6537	W
Q1108	Satus	0.47814	9/7/20	0.48266	9/15/20	0.48060	0.5442	W
Q1109	Satus	0.47976	9/7/20	0.48430	9/15/20	0.48230	0.5595	W
Q1110	Satus	0.47837	9/7/20	0.48171	9/15/20	0.48088	0.7515	P
Q1488	Satus	0.48035	9/12/20	0.48804	9/20/20	0.48606	0.7425	P
Q1489	Satus	0.47986	9/12/20	0.48462	9/20/20	0.48313	0.6870	P
Q1490	Satus	0.47934	9/12/20	0.48580	9/20/20	0.48422	0.7554	P
Q1491	Satus	0.47816	9/12/20	0.48403	9/20/20	0.48250	0.7394	P
Q1492	Satus	0.47988	9/12/20	0.48551	9/20/20	0.48430	0.7851	P
Q1493	Satus	0.48571	9/12/20	0.48984	9/20/20	0.48873	0.7312	P
Q1494	Satus	0.48216	9/12/20	0.48568	9/20/20	0.48402	0.5284	W
Q0122	Semiahmoo	0.47191	8/26/20	0.47777	9/3/20	0.47522	0.5648	P
Q0206	Semiahmoo	0.47257	8/28/20	0.47815	9/5/20	0.47407	0.2688	F
Q0207	Semiahmoo	0.47099	8/28/20	0.47701	9/5/20	0.47427	0.5449	W
Q0317	Semiahmoo	0.47040	8/29/20	0.47567	9/6/20	0.47296	0.4858	W
Q0318	Semiahmoo	0.47070	8/29/20	0.47544	9/6/20	0.47385	0.6646	P

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Q0319	Semiahmoo	0.47224	8/29/20	0.47452	9/6/20	0.47289	0.2851	F
Q0347	Semiahmoo	0.47549	8/30/20	0.48007	9/7/20	0.47699	0.3275	F
Q0348	Semiahmoo	0.47299	8/30/20	0.48013	9/7/20	0.47804	0.7073	P
Q0349	Semiahmoo	0.47241	8/30/20	0.47791	9/7/20	0.47428	0.3400	F
Q0350	Semiahmoo	0.46819	8/30/20	0.47066	9/7/20	0.46911	0.3725	F
Q0351	Semiahmoo	0.46817	8/30/20	0.47170	9/7/20	0.46966	0.4221	F
Q0352	Semiahmoo	0.47123	8/30/20	0.47651	9/7/20	0.47320	0.3731	F
Q0405	Semiahmoo	0.46675	8/31/20	0.47115	9/8/20	0.46836	0.3659	F
Q0406	Semiahmoo	0.47620	8/31/20	0.48188	9/8/20	0.47804	0.3239	F
Q0407	Semiahmoo	0.47128	8/31/20	0.47615	9/8/20	0.47392	0.5421	W
Q0408	Semiahmoo	0.47241	8/31/20	0.47855	9/8/20	0.47568	0.5326	W
Q0760	Semiahmoo	0.47297	9/3/20	0.47685	9/11/20	0.47593	0.7629	P
Q0761	Semiahmoo	0.47504	9/3/20	0.48072	9/11/20	0.47822	0.5599	P
Q0762	Semiahmoo	0.47732	9/3/20	0.48308	9/11/20	0.47994	0.4549	P
Q0763	Semiahmoo	0.47952	9/3/20	0.48520	9/11/20	0.48360	0.7183	P
Q0764	Semiahmoo	0.47763	9/3/20	0.48460	9/11/20	0.48272	0.7303	P
Q0765	Semiahmoo	0.47708	9/3/20	0.48566	9/11/20	0.48268	0.6527	W
Q0766	Semiahmoo	0.47611	9/3/20	0.48263	9/11/20	0.48042	0.6610	P
Q0767	Semiahmoo	0.47919	9/3/20	0.48352	9/11/20	0.48148	0.5289	W
Q0769	Semiahmoo	0.47905	9/3/20	0.48384	9/11/20	0.48160	0.5324	W
Q0770	Semiahmoo	0.47617	9/3/20	0.47721	9/11/20	0.47663	0.4423	F
Q0771	Semiahmoo	0.47774	9/3/20	0.48269	9/11/20	0.48033	0.5232	W
Q0772	Semiahmoo	0.47904	9/3/20	0.48439	9/11/20	0.48168	0.4935	W
Q0773	Semiahmoo	0.47879	9/3/20	0.48208	9/11/20	0.48012	0.4043	W
Q0774	Semiahmoo	0.47959	9/3/20	0.48554	9/11/20	0.48279	0.5378	W
Q0775	Semiahmoo	0.47838	9/3/20	0.48424	9/11/20	0.48137	0.5102	W
Q0843	Semiahmoo	0.47915	9/4/20	0.48309	9/12/20	0.48046	0.3325	F
Q0844	Semiahmoo	0.47863	9/4/20	0.48374	9/12/20	0.48233	0.7241	P
Q0845	Semiahmoo	0.47848	9/4/20	0.48354	9/12/20	0.48155	0.6067	P
Q0846	Semiahmoo	0.47986	9/4/20	0.48461	9/12/20	0.48332	0.7284	P
Q0847	Semiahmoo	0.47274	9/4/20	0.47785	9/12/20	0.47544	0.5284	W
Q0848	Semiahmoo	0.47868	9/4/20	0.48342	9/12/20	0.48102	0.4937	W
Q0849	Semiahmoo	0.47994	9/4/20	0.48355	9/12/20	0.48177	0.5069	W
Q0850	Semiahmoo	0.47913	9/4/20	0.48421	9/12/20	0.48147	0.4606	W
Q0851	Semiahmoo	0.47408	9/4/20	0.48019	9/12/20	0.47716	0.5041	W
Q0852	Semiahmoo	0.47442	9/4/20	0.47878	9/12/20	0.47603	0.3693	F
Q0853	Semiahmoo	0.47884	9/4/20	0.48331	9/12/20	0.48078	0.4340	F
Q0854	Semiahmoo	0.47863	9/4/20	0.48294	9/12/20	0.48033	0.3944	F
Q0945	Semiahmoo	0.48521	9/5/20	0.49206	9/13/20	0.48764	0.3547	F
Q0946	Semiahmoo	0.48600	9/5/20	0.49013	9/13/20	0.48811	0.5109	W
Q0948	Semiahmoo	0.47967	9/5/20	0.48525	9/13/20	0.48383	0.7455	P
Q0949	Semiahmoo	0.47469	9/5/20	0.47755	9/13/20	0.47636	0.5839	W
Q0950	Semiahmoo	0.47350	9/5/20	0.48102	9/13/20	0.47916	0.7527	P
Q0952	Semiahmoo	0.47877	9/5/20	0.48131	9/13/20	0.48033	0.6142	W
Q0953	Semiahmoo	0.47614	9/5/20	0.48116	9/13/20	0.47859	0.4880	W
Q0954	Semiahmoo	0.48036	9/5/20	0.48519	9/13/20	0.48374	0.6998	P
Q1044	Semiahmoo	0.47859	9/6/20	0.48197	9/14/20	0.48101	0.7160	P
Q1045	Semiahmoo	0.48159	9/6/20	0.48706	9/14/20	0.48435	0.5046	W
Q1046	Semiahmoo	0.47866	9/6/20	0.48184	9/14/20	0.48025	0.5000	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q1047	Semiahmoo	0.47923	9/6/20	0.48386	9/14/20	0.48168	0.5292	W
Q1048	Semiahmoo	0.47698	9/6/20	0.48127	9/14/20	0.47956	0.6014	P
Q1049	Semiahmoo	0.47806	9/6/20	0.48328	9/14/20	0.48053	0.4732	W
Q1050	Semiahmoo	0.47892	9/6/20	0.48431	9/14/20	0.48252	0.6679	P
Q1051	Semiahmoo	0.47646	9/6/20	0.48201	9/14/20	0.47856	0.3784	F
Q1188	Semiahmoo	0.48003	9/7/20	0.48497	9/15/20	0.48305	0.6113	P
Q1189	Semiahmoo	0.48620	9/7/20	0.48989	9/15/20	0.48765	0.3930	F
Q1190	Semiahmoo	0.47805	9/7/20	0.47983	9/15/20	0.47873	0.3820	F
Q1191	Semiahmoo	0.47659	9/7/20	0.48026	9/15/20	0.47789	0.3542	F
Q1192	Semiahmoo	0.47498	9/7/20	0.47968	9/15/20	0.47744	0.5234	P
Q1193	Semiahmoo	0.47918	9/7/20	0.48332	9/15/20	0.48116	0.4783	F
Q1194	Semiahmoo	0.47892	9/7/20	0.48203	9/15/20	0.48090	0.6367	P
Q1195	Semiahmoo	0.47848	9/7/20	0.48566	9/15/20	0.48302	0.6323	P
Q1196	Semiahmoo	0.48062	9/7/20	0.48338	9/15/20	0.48231	0.6123	F
Q1378	Semiahmoo	0.47976	9/11/20	0.48378	9/19/20	0.48215	0.5945	P
Q1379	Semiahmoo	0.47839	9/11/20	0.48287	9/19/20	0.47994	0.3460	F
Q1380	Semiahmoo	0.47988	9/11/20	0.48663	9/19/20	0.48454	0.6904	P
Q1381	Semiahmoo	0.47982	9/11/20	0.48413	9/19/20	0.48127	0.3364	F
Q1382	Semiahmoo	0.47901	9/11/20	0.48356	9/19/20	0.48229	0.7209	P
Q1383	Semiahmoo	0.47933	9/11/20	0.48322	9/19/20	0.48093	0.4113	F
Q1485	Semiahmoo	0.48190	9/12/20	0.48510	9/20/20	0.48290	0.3125	F
Q1486	Semiahmoo	0.47996	9/12/20	0.48360	9/20/20	0.48165	0.4643	W
Q1502	Semiahmoo	0.47928	9/13/20	0.48362	9/21/20	0.48247	0.7350	P
Q1503	Semiahmoo	0.47684	9/13/20	0.48155	9/21/20	0.47897	0.4522	F
Q1504	Semiahmoo	0.47982	9/13/20	0.48431	9/21/20	0.48158	0.3920	F
Q1505	Semiahmoo	0.47703	9/13/20	0.48194	9/21/20	0.47963	0.5295	W
Q1506	Semiahmoo	0.48027	9/13/20	0.48473	9/21/20	0.48166	0.3117	F
Q1507	Semiahmoo	0.48066	9/13/20	0.48543	9/21/20	0.48431	0.7652	P
Q1528	Semiahmoo	0.47831	9/14/20	0.48072	9/22/20	0.47935	0.4315	W
Q1529	Semiahmoo	0.47567	9/14/20	0.47920	9/22/20	0.47736	0.4788	W
Q1530	Semiahmoo	0.47868	9/14/20	0.48276	9/22/20	0.48119	0.6152	P
Q1531	Semiahmoo	0.48163	9/14/20	0.48462	9/22/20	0.48270	0.3579	F
Q1532	Semiahmoo	0.47873	9/14/20	0.48218	9/22/20	0.47978	0.3043	F
Q1533	Semiahmoo	0.48532	9/14/20	0.48894	9/22/20	0.48681	0.4116	F
Q1534	Semiahmoo	0.47893	9/14/20	0.48349	9/22/20	0.48215	0.7061	P
Q1535	Semiahmoo	0.47591	9/14/20	0.47921	9/22/20	0.47709	0.3576	F
Q1618	Semiahmoo	0.47804	9/20/20	0.48370	9/28/20	0.48230	0.7527	P
Q1621	Semiahmoo	0.47840	9/22/20	0.48211	9/30/20	0.47944	0.2803	F
SNL001	Snoqualmie	0.42199	9/9/18	0.42698	9/17/18	0.42505	0.6132	W
SNL002	Snoqualmie	0.42478	9/9/18	0.43001	9/17/18	0.42855	0.7208	P
SNL003	Snoqualmie	0.42357	9/9/18	0.42947	9/17/18	0.42790	0.7339	P
SNL004	Snoqualmie	0.42257	9/9/18	0.42733	9/17/18	0.42586	0.6912	P
SNL005	Snoqualmie	0.42716	9/9/18	0.43350	9/17/18	0.43068	0.5552	W
SNL006	Snoqualmie	0.42409	9/9/18	0.42869	9/17/18	0.42645	0.5130	W
SNL007	Snoqualmie	0.42338	9/9/18	0.42772	9/17/18	0.42558	0.5069	W
SNL008	Snoqualmie	0.42328	9/9/18	0.42751	9/17/18	0.42529	0.4752	W
SNL009	Snoqualmie	0.42384	9/9/18	0.42908	9/17/18	0.42763	0.7233	P
SNL010	Snoqualmie	0.42259	9/9/18	0.42868	9/17/18	0.42606	0.5698	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
SNL011	Snoqualmie	0.45046	9/9/18	0.45482	9/17/18	0.45265	0.5023	W
SNL012	Snoqualmie	0.42359	9/9/18	0.42825	9/17/18	0.42579	0.4721	F
SNL013	Snoqualmie	0.42262	9/9/18	0.42698	9/17/18	0.42495	0.5344	W
SNL014	Snoqualmie	0.42504	9/9/18	0.42985	9/17/18	0.42755	0.5218	W
SNL015	Snoqualmie	0.45067	9/9/18	0.45507	9/17/18	0.45369	0.6864	P
SNL016	Snoqualmie	0.42709	9/10/18	0.43158	9/18/18	0.42907	0.4410	W
SNL017	Snoqualmie	0.42125	9/10/18	0.42857	9/18/18	0.42516	0.5342	W
SNL018	Snoqualmie	0.42538	9/10/18	0.43208	9/18/18	0.42906	0.5493	W
SNL019	Snoqualmie	0.42278	9/10/18	0.43015	9/18/18	0.42821	0.7368	P
SNL020	Snoqualmie	0.44336	9/10/18	0.44983	9/18/18	0.44705	0.5703	W
SNL021	Snoqualmie	0.42558	9/10/18	0.42979	9/18/18	0.42850	0.6936	P
SNL022	Snoqualmie	0.42279	9/10/18	0.42719	9/18/18	0.42431	0.3455	F
SNL023	Snoqualmie	0.44354	9/10/18	0.45089	9/18/18	0.44743	0.5293	W
SNL024	Snoqualmie	0.42711	9/10/18	0.43446	9/18/18	0.43259	0.7456	P
SNL025	Snoqualmie	0.44239	9/10/18	0.45011	9/18/18	0.44818	0.7500	P
SNL026	Snoqualmie	0.42499	9/10/18	0.43133	9/18/18	0.42924	0.6703	P
SNL027	Snoqualmie	0.42403	9/10/18	0.42943	9/18/18	0.42603	0.3704	F
SNL028	Snoqualmie	0.45033	9/10/18	0.45586	9/18/18	0.45326	0.5298	W
SNL029	Snoqualmie	0.42300	9/10/18	0.42805	9/18/18	0.42576	0.5465	W
SNL030	Snoqualmie	0.42301	9/11/18	0.42759	9/19/18	0.42517	0.4716	W
SNL031	Snoqualmie	0.42245	9/11/18	0.42893	9/19/18	0.42597	0.5432	W
SNL032	Snoqualmie	0.42157	9/11/18	0.42605	9/19/18	0.42350	0.4308	W
SNL033	Snoqualmie	0.45576	9/11/18	0.45816	9/19/18	0.45696	0.5000	W
SNL034	Snoqualmie	0.45584	9/11/18	0.46060	9/19/18	0.45743	0.3340	F
SNL035	Snoqualmie	0.41817	9/11/18	0.42257	9/19/18	0.41966	0.3386	F
SNL036	Snoqualmie	0.44325	9/11/18	0.44816	9/19/18	0.44608	0.5764	W
SNL037	Snoqualmie	0.46757	9/11/18	0.47201	9/19/18	0.46962	0.4617	W
SNL038	Snoqualmie	0.45568	9/11/18	0.46038	9/19/18	0.45814	0.5234	W
SNL039	Snoqualmie	0.45008	9/11/18	0.45653	9/19/18	0.45470	0.7163	P
SNL040	Snoqualmie	0.46785	9/11/18	0.47205	9/19/18	0.47001	0.5143	W
SNL041	Snoqualmie	0.46761	9/11/18	0.47422	9/19/18	0.47234	0.7156	P
SNL042	Snoqualmie	0.41782	9/11/18	0.42450	9/19/18	0.42136	0.5299	W
SNL043	Snoqualmie	0.46779	9/11/18	0.47247	9/19/18	0.47042	0.5620	W
SNL044	Snoqualmie	0.42549	9/12/18	0.43100	9/20/18	0.42835	0.5191	W
SNL045	Snoqualmie	0.46802	9/12/18	0.47371	9/20/18	0.47062	0.4569	W
SNL046	Snoqualmie	0.42249	9/12/18	0.42780	9/20/18	0.42524	0.5179	W
SNL047	Snoqualmie	0.44323	9/12/18	0.44857	9/20/18	0.44591	0.5019	W
SNL048	Snoqualmie	0.42534	9/12/18	0.43023	9/20/18	0.42774	0.4908	W
SNL049	Snoqualmie	0.42214	9/12/18	0.42484	9/20/18	0.42325	0.4111	F
SNL050	Snoqualmie	0.46765	9/12/18	0.47403	9/20/18	0.47228	0.7257	P
SNL051	Snoqualmie	0.46788	9/12/18	0.47302	9/20/18	0.46966	0.3463	F
SNL052	Snoqualmie	0.42082	9/12/18	0.42662	9/20/18	0.42487	0.6983	P
SNL053	Snoqualmie	0.44345	9/12/18	0.44877	9/20/18	0.44628	0.5320	W
SNL054	Snoqualmie	0.42358	9/12/18	0.42952	9/20/18	0.42666	0.5185	W
SNL055	Snoqualmie	0.46754	9/12/18	0.47370	9/20/18	0.47029	0.4464	W
SNL056	Snoqualmie	0.46744	9/12/18	0.47388	9/20/18	0.47088	0.5342	W
SNL057	Snoqualmie	0.42156	9/12/18	0.42606	9/20/18	0.42324	0.3733	F
SNL058	Snoqualmie	0.45595	9/12/18	0.46015	9/20/18	0.45812	0.5167	W
SNL059	Snoqualmie	0.41825	9/12/18	0.42277	9/20/18	0.42159	0.7389	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
SNL060	Snoqualmie	0.42792	9/12/18	0.43428	9/20/18	0.43258	0.7327	P
SNL061	Snoqualmie	0.41841	9/12/18	0.42383	9/20/18	0.42031	0.3506	F
SNL062	Snoqualmie	0.42168	9/12/18	0.42335	9/20/18	0.42226	0.3473	F
SNL063	Snoqualmie	0.42242	9/12/18	0.42737	9/20/18	0.42414	0.3475	F
SNL064	Snoqualmie	0.42087	9/12/18	0.42879	9/20/18	0.42657	0.7197	P
SNL065	Snoqualmie	0.45558	9/12/18	0.46046	9/20/18	0.45744	0.3811	F
SNL066	Snoqualmie	0.42223	9/12/18	0.42732	9/20/18	0.42556	0.6542	P
SNL067	Snoqualmie	0.42238	9/13/18	0.42938	9/21/18	0.42505	0.3814	F
SNL068	Snoqualmie	0.42764	9/13/18	0.43264	9/21/18	0.43037	0.5460	W
SNL069	Snoqualmie	0.42269	9/13/18	0.42664	9/21/18	0.42410	0.3570	F
SNL070	Snoqualmie	0.42130	9/13/18	0.42714	9/21/18	0.42343	0.3647	F
SNL071	Snoqualmie	0.42558	9/13/18	0.42876	9/21/18	0.42728	0.5346	W
SNL072	Snoqualmie	0.42805	9/13/18	0.43240	9/21/18	0.43128	0.7425	P
SNL073	Snoqualmie	0.46725	9/13/18	0.47237	9/21/18	0.46991	0.5195	W
SNL074	Snoqualmie	0.42645	9/13/18	0.43232	9/21/18	0.42937	0.4974	W
SNL075	Snoqualmie	0.45568	9/13/18	0.45970	9/21/18	0.45799	0.5746	W
SNL076	Snoqualmie	0.41840	9/13/18	0.42411	9/21/18	0.42268	0.7496	P
SNL077	Snoqualmie	0.42623	9/13/18	0.43165	9/21/18	0.43015	0.7232	P
SNL078	Snoqualmie	0.46779	9/13/18	0.47297	9/21/18	0.47147	0.7104	P
SNL079	Snoqualmie	0.41795	9/13/18	0.42377	9/21/18	0.42108	0.5378	SAMPLE PT FOUND
SNL080	Snoqualmie	0.42220	9/13/18	0.42707	9/21/18	0.42478	0.5298	W
SNL081	Snoqualmie	0.42836	9/13/18	0.43332	9/21/18	0.43117	0.5665	W
SNL082	Snoqualmie	0.41903	9/13/18	0.42258	9/21/18	0.42119	0.6085	W
SNL083	Snoqualmie	0.42227	9/13/18	0.42737	9/21/18	0.42528	0.5902	W
SNL084	Snoqualmie	0.46776	9/13/18	0.47271	9/21/18	0.47069	0.5919	W
SNL085	Snoqualmie	0.41920	9/13/18	0.42375	9/21/18	0.42165	0.5385	W
SNL086	Snoqualmie	0.42035	9/14/18	0.42435	9/22/18	0.42315	0.7000	P
SNL087	Snoqualmie	0.42210	9/14/18	0.42833	9/22/18	0.42553	0.5506	W
SNL088	Snoqualmie	0.41926	9/14/18	0.42718	9/22/18	0.42446	0.6566	P
SNL089	Snoqualmie	0.42069	9/14/18	0.42766	9/22/18	0.42457	0.5567	W
SNL090	Snoqualmie	0.42796	9/14/18	0.43604	9/22/18	0.43415	0.7661	P
SNL091	Snoqualmie	0.42218	9/14/18	0.42882	9/22/18	0.42603	0.5798	W
SNL092	Snoqualmie	0.41817	9/14/18	0.42433	9/22/18	0.42267	0.7305	P
SNL093	Snoqualmie	0.42129	9/14/18	0.43039	9/22/18	0.42822	0.7615	P
SNL094	Snoqualmie	0.42166	9/14/18	0.43072	9/22/18	0.42858	0.7638	P
SNL095	Snoqualmie	0.46746	9/14/18	0.47347	9/22/18	0.47201	0.7571	P
SNL096	Snoqualmie	0.41877	9/14/18	0.42416	9/22/18	0.42242	0.6772	P
SNL097	Snoqualmie	0.46822	9/14/18	0.47322	9/22/18	0.47063	0.4820	W
SNL098	Snoqualmie	0.42767	9/14/18	0.43420	9/22/18	0.43256	0.7489	P
SNL099	Snoqualmie	0.45559	9/14/18	0.46114	9/22/18	0.45959	0.7207	P
SNL100	Snoqualmie	0.44420	9/14/18	0.44952	9/22/18	0.44806	0.7256	P
Q0074	Steptoe Butte	0.47054	8/26/20	0.47665	9/3/20	0.47514	0.7529	P
Q0075	Steptoe Butte	0.46601	8/26/20	0.47237	9/3/20	0.47082	0.7563	P
Q0076	Steptoe Butte	0.46795	8/26/20	0.47279	9/3/20	0.47162	0.7583	P
Q0203	Steptoe Butte	0.47406	8/28/20	0.48004	9/5/20	0.47851	0.7441	P
Q0204	Steptoe Butte	0.47283	8/28/20	0.48042	9/5/20	0.47832	0.7233	P
Q0205	Steptoe Butte	0.47519	8/28/20	0.48267	9/5/20	0.48080	0.7500	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q0320	Steptoe Butte	0.47252	8/29/20	0.47864	9/6/20	0.47731	0.7827	P
Q0321	Steptoe Butte	0.47084	8/29/20	0.47823	9/6/20	0.47699	0.8322	P
Q0322	Steptoe Butte	0.47014	8/29/20	0.47707	9/6/20	0.47510	0.7157	P
Q0358	Steptoe Butte	0.47038	8/30/20	0.47378	9/7/20	0.47174	0.4000	F
Q0457	Steptoe Butte	0.47237	9/1/20	0.47688	9/9/20	0.47585	0.7716	P
Q0458	Steptoe Butte	0.47294	9/1/20	0.47589	9/9/20	0.47521	0.7695	P
Q0459	Steptoe Butte	0.46915	9/1/20	0.47220	9/9/20	0.47068	0.5016	F
Q0460	Steptoe Butte	0.46825	9/1/20	0.47620	9/9/20	0.47470	0.8113	P
Q0461	Steptoe Butte	0.46768	9/1/20	0.47420	9/9/20	0.47291	0.8021	P
Q0661	Steptoe Butte	0.47207	9/3/20	0.47545	9/11/20	0.47482	0.8136	P
Q0662	Steptoe Butte	0.46766	9/3/20	0.47406	9/11/20	0.47283	0.8078	P
Q0777	Steptoe Butte	0.47927	9/4/20	0.48342	9/12/20	0.48243	0.7614	P
Q0970	Steptoe Butte	0.47345	9/5/20	0.47876	9/13/20	0.47775	0.8098	P
Q0971	Steptoe Butte	0.47676	9/5/20	0.48032	9/13/20	0.47922	0.6910	P
Q1052	Steptoe Butte	0.48005	9/6/20	0.48587	9/14/20	0.48452	0.7680	P
Q1053	Steptoe Butte	0.47486	9/6/20	0.48072	9/14/20	0.47833	0.5922	P
Q1054	Steptoe Butte	0.47953	9/6/20	0.48427	9/14/20	0.48327	0.7890	P
Q1111	Steptoe Butte	0.47948	9/7/20	0.48526	9/15/20	0.48411	0.8010	P
Q0733	Trout Lake	0.47225	9/3/20	0.47796	9/11/20	0.47521	0.5184	W
Q0735	Trout Lake	0.47302	9/3/20	0.47964	9/11/20	0.47769	0.7054	P
Q0736	Trout Lake	0.47223	9/3/20	0.47794	9/11/20	0.47516	0.5131	W
Q0832	Trout Lake	0.47846	9/6/20	0.48493	9/14/20	0.48215	0.5703	W
Q0833	Trout Lake	0.47886	9/6/20	0.48754	9/14/20	0.48514	0.7235	P
Q0834	Trout Lake	0.48632	9/6/20	0.49304	9/14/20	0.48973	0.5074	W
Q0835	Trout Lake	0.47988	9/6/20	0.48688	9/14/20	0.48460	0.6743	P
Q0836	Trout Lake	0.47856	9/4/20	0.48409	9/12/20	0.48148	0.5280	W
Q0837	Trout Lake	0.47818	9/4/20	0.48324	9/12/20	0.48003	0.3656	F
Q0838	Trout Lake	0.47919	9/4/20	0.48474	9/12/20	0.48210	0.5243	W
Q0839	Trout Lake	0.47718	9/4/20	0.48263	9/12/20	0.47953	0.4312	W
Q0840	Trout Lake	0.47887	9/4/20	0.48374	9/12/20	0.48140	0.5195	W
Q0841	Trout Lake	0.47837	9/4/20	0.48665	9/12/20	0.48389	0.6667	P
Q0842	Trout Lake	0.47567	9/4/20	0.48300	9/12/20	0.47952	0.5252	W
Q0996	Trout Lake	0.47648	9/5/20	0.48265	9/13/20	0.48072	0.6872	P
Q0997	Trout Lake	0.47533	9/5/20	0.48322	9/13/20	0.48095	0.7123	P
Q0998	Trout Lake	0.47859	9/5/20	0.48526	9/13/20	0.48299	0.6597	P
Q0999	Trout Lake	0.47885	9/5/20	0.48494	9/13/20	0.48347	0.7586	P
Q1000	Trout Lake	0.47716	9/5/20	0.48387	9/13/20	0.48201	0.7228	P
Q1001	Trout Lake	0.47891	9/5/20	0.48738	9/13/20	0.48450	0.6600	P
Q1002	Trout Lake	0.47859	9/5/20	0.48417	9/13/20	0.48153	0.5269	W
Q1003	Trout Lake	0.47519	9/5/20	0.48298	9/13/20	0.48092	0.7356	P
Q1004	Trout Lake	0.47585	9/5/20	0.48453	9/13/20	0.48248	0.7638	P
Q1005	Trout Lake	0.48521	9/5/20	0.49041	9/13/20	0.48894	0.7173	P
Q1006	Trout Lake	0.47595	9/5/20	0.48084	9/13/20	0.47839	0.4990	W
Q1007	Trout Lake	0.48503	9/5/20	0.49071	9/13/20	0.48907	0.7113	P
Q1008	Trout Lake	0.47884	9/5/20	0.48836	9/13/20	0.48525	0.6733	P
Q1009	Trout Lake	0.47874	9/5/20	0.48433	9/13/20	0.48208	0.5975	W
Q1141	Trout Lake	0.47403	9/7/20	0.48198	9/15/20	0.47853	0.5660	W
Q1142	Trout Lake	0.47538	9/7/20	0.48253	9/15/20	0.48048	0.7133	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q1143	Trout Lake	0.47966	9/7/20	0.48602	9/15/20	0.48421	0.7154	P
Q1144	Trout Lake	0.47490	9/7/20	0.48477	9/15/20	0.48219	0.7386	P
Q1145	Trout Lake	0.47917	9/7/20	0.48547	9/15/20	0.48252	0.5317	W
Q1146	Trout Lake	0.47813	9/7/20	0.48452	9/15/20	0.48250	0.6839	P
Q1147	Trout Lake	0.47427	9/7/20	0.48016	9/15/20	0.47701	0.4652	F
Q1148	Trout Lake	0.48040	9/7/20	0.48696	9/15/20	0.48283	0.3704	F
Q1243	Trout Lake	0.47745	9/8/20	0.48245	9/16/20	0.47976	0.4620	F
Q1244	Trout Lake	0.47971	9/8/20	0.48588	9/16/20	0.48417	0.7229	P
Q1245	Trout Lake	0.47806	9/8/20	0.48495	9/16/20	0.48274	0.6792	P
Q1246	Trout Lake	0.47847	9/8/20	0.48416	9/16/20	0.48288	0.7750	W
Q1247	Trout Lake	0.47577	9/8/20	0.48152	9/16/20	0.47776	0.3461	F
Q1248	Trout Lake	0.47914	9/8/20	0.48593	9/16/20	0.48160	0.3623	W
Q1259	Trout Lake	0.47949	9/9/20	0.48646	9/17/20	0.48489	0.7747	P
Q1260	Trout Lake	0.47613	9/9/20	0.48231	9/17/20	0.47942	0.5324	W
Q1291	Trout Lake	0.47906	9/9/20	0.48536	9/17/20	0.48244	0.5365	W
Q1292	Trout Lake	0.47715	9/9/20	0.48293	9/17/20	0.48118	0.6972	P
Q1293	Trout Lake	0.47937	9/9/20	0.48631	9/17/20	0.48422	0.6988	P
Q1294	Trout Lake	0.47842	9/9/20	0.48699	9/17/20	0.48477	0.7410	P
Q1295	Trout Lake	0.47855	9/9/20	0.48490	9/17/20	0.48334	0.7543	P
Q1296	Trout Lake	0.48578	9/9/20	0.49278	9/17/20	0.49075	0.7100	P
Q1297	Trout Lake	0.47948	9/9/20	0.48512	9/17/20	0.48253	0.5408	W
Q1298	Trout Lake	0.47908	9/9/20	0.48467	9/17/20	0.48312	0.7227	P
Q1299	Trout Lake	0.47865	9/9/20	0.48545	9/17/20	0.48355	0.7206	P
Q1300	Trout Lake	0.47689	9/9/20	0.48249	9/17/20	0.48066	0.6732	P
Q1402	Trout Lake	0.48562	9/11/20	0.49300	9/19/20	0.49060	0.6748	P
Q1403	Trout Lake	0.47676	9/11/20	0.48252	9/19/20	0.48104	0.7431	P
Q1404	Trout Lake	0.48554	9/11/20	0.49175	9/19/20	0.48871	0.5105	W
Q1405	Trout Lake	0.47834	9/11/20	0.48600	9/19/20	0.48407	0.7480	P
Q1406	Trout Lake	0.47963	9/11/20	0.48798	9/19/20	0.48259	0.3545	F
Q1407	Trout Lake	0.47295	9/11/20	0.48054	9/19/20	0.47839	0.7167	P
Q1408	Trout Lake	0.47882	9/11/20	0.48268	9/19/20	0.48082	0.5181	W
Q1409	Trout Lake	0.47352	9/11/20	0.48053	9/19/20	0.47856	0.7190	P
Q1410	Trout Lake	0.47919	9/11/20	0.48544	9/19/20	0.48345	0.6816	P
Q1411	Trout Lake	0.48032	9/11/20	0.48559	9/19/20	0.48436	0.7666	P
Q1412	Trout Lake	0.48049	9/11/20	0.48644	9/19/20	0.48330	0.4723	W
Q1413	Trout Lake	0.47901	9/11/20	0.48297	9/19/20	0.48049	0.3737	F
Q1414	Trout Lake	0.47998	9/11/20	0.48384	9/19/20	0.48256	0.6684	P
Q1449	Trout Lake	0.47885	9/12/20	0.48484	9/20/20	0.48326	0.7362	P
Q1450	Trout Lake	0.47940	9/12/20	0.49006	9/20/20	0.48649	0.6651	P
Q1451	Trout Lake	0.48524	9/12/20	0.49121	9/20/20	0.48888	0.6097	P
Q1452	Trout Lake	0.47623	9/12/20	0.48309	9/20/20	0.48131	0.7405	P
Q1453	Trout Lake	0.47884	9/12/20	0.48501	9/20/20	0.48307	0.6856	P
Q1454	Trout Lake	0.47876	9/12/20	0.48369	9/20/20	0.48249	0.7566	P
Q1455	Trout Lake	0.47935	9/12/20	0.48468	9/20/20	0.48306	0.6961	P
Q1456	Trout Lake	0.48171	9/12/20	0.48966	9/20/20	0.48754	0.7333	P
Q1457	Trout Lake	0.47907	9/12/20	0.48485	9/20/20	0.48338	0.7457	P
Q1458	Trout Lake	0.47953	9/12/20	0.48226	9/20/20	0.48046	0.3407	F
Q1459	Trout Lake	0.47935	9/12/20	0.48656	9/20/20	0.48460	0.7282	P
Q1520	Trout Lake	0.47836	9/13/20	0.48500	9/21/20	0.48315	0.7214	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
Q1521	Trout Lake	0.47883	9/13/20	0.48556	9/21/20	0.48367	0.7192	P
Q1522	Trout Lake	0.47479	9/13/20	0.48009	9/21/20	0.47880	0.7566	P
Q1523	Trout Lake	0.47391	9/13/20	0.47911	9/21/20	0.47668	0.5327	W
Q1524	Trout Lake	0.47356	9/13/20	0.47912	9/21/20	0.47654	0.5360	W
Q1525	Trout Lake	0.47992	9/13/20	0.48393	9/21/20	0.48295	0.7556	P
Q1547	Trout Lake	0.47871	9/14/20	0.48293	9/22/20	0.48141	0.6398	P
Q1548	Trout Lake	0.47914	9/14/20	0.48547	9/22/20	0.48369	0.7188	P
Q1549	Trout Lake	0.47900	9/14/20	0.48555	9/22/20	0.48370	0.7176	P
Q1550	Trout Lake	0.47582	9/14/20	0.47875	9/22/20	0.47783	0.6860	P
UML001	Umtanum	0.42895	9/8/18	0.43801	9/16/18	0.43607	0.7859	P
UML002	Umtanum	0.42469	9/8/18	0.43244	9/16/18	0.43015	0.7045	P
UML003	Umtanum	0.42382	9/8/18	0.43020	9/16/18	0.42832	0.7053	P
UML004	Umtanum	0.44330	9/8/18	0.45034	9/16/18	0.44846	0.7330	P
UML005	Umtanum	0.42420	9/8/18	0.43208	9/16/18	0.43012	0.7513	P
UML006	Umtanum	0.42146	9/8/18	0.43040	9/16/18	0.42808	0.7405	P
UML007	Umtanum	0.42165	9/8/18	0.42958	9/16/18	0.42772	0.7654	P
UML008	Umtanum	0.44280	9/8/18	0.44855	9/16/18	0.44716	0.7583	P
UML009	Umtanum	0.42770	9/8/18	0.43560	9/16/18	0.43424	0.8278	P
UML010	Umtanum	0.42210	9/8/18	0.42967	9/16/18	0.42810	0.7926	P
UML011	Umtanum	0.42170	9/8/18	0.42870	9/16/18	0.42694	0.7486	P
UML012	Umtanum	0.44345	9/8/18	0.44910	9/16/18	0.44771	0.7540	P
UML013	Umtanum	0.42195	9/8/18	0.42835	9/16/18	0.42675	0.7500	P
UML014	Umtanum	0.42387	9/8/18	0.43045	9/16/18	0.42894	0.7705	P
UML015	Umtanum	0.42529	9/8/18	0.43241	9/16/18	0.42968	0.6166	W
UML016	Umtanum	0.42713	9/8/18	0.43262	9/16/18	0.43148	0.7923	P
UML017	Umtanum	0.42756	9/8/18	0.43588	9/16/18	0.43352	0.7163	P
UML018	Umtanum	0.42327	9/8/18	0.42947	9/16/18	0.42662	0.5403	W
UML019	Umtanum	0.42499	9/8/18	0.43206	9/16/18	0.43028	0.7482	P
UML020	Umtanum	0.42158	9/8/18	0.42964	9/16/18	0.42762	0.7494	P
UML021	Umtanum	0.42738	9/8/18	0.43392	9/16/18	0.43207	0.7171	P
UML022	Umtanum	0.42148	9/8/18	0.42844	9/16/18	0.42666	0.7443	P
UML023	Umtanum	0.42359	9/8/18	0.42909	9/16/18	0.42652	0.5327	W
UML024	Umtanum	0.42596	9/8/18	0.43013	9/16/18	0.42832	0.5659	W
UML025	Umtanum	0.44258	9/8/18	0.44934	9/16/18	0.44757	0.7382	P
UML026	Umtanum	0.42504	9/8/18	0.43034	9/16/18	0.42903	0.7528	P
UML027	Umtanum	0.42506	9/8/18	0.42954	9/16/18	0.42857	0.7835	P
UML028	Umtanum	0.42305	9/8/18	0.42967	9/16/18	0.42782	0.7205	P
UML029	Umtanum	0.42591	9/8/18	0.43025	9/16/18	0.42864	0.6290	W
UML030	Umtanum	0.45080	9/8/18	0.45796	9/16/18	0.45615	0.7472	P
UML031	Umtanum	0.42762	9/8/18	0.43284	9/16/18	0.43153	0.7490	P
UML032	Umtanum	0.42391	9/8/18	0.42924	9/16/18	0.42802	0.7711	P
UML033	Umtanum	0.42270	9/8/18	0.42854	9/16/18	0.42689	0.7175	P
UML034	Umtanum	0.46746	9/8/18	0.47253	9/16/18	0.47157	0.8107	P
UML035	Umtanum	0.45594	9/8/18	0.46037	9/16/18	0.45938	0.7765	P
UML036	Umtanum	0.46770	9/9/18	0.47385	9/17/18	0.47240	0.7642	P
UML037	Umtanum	0.42379	9/9/18	0.42691	9/17/18	0.42515	0.4359	F
UML038	Umtanum	0.45574	9/9/18	0.46242	9/17/18	0.46073	0.7470	P
UML039	Umtanum	0.42249	9/9/18	0.43129	9/17/18	0.42922	0.7648	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
UML040	Umtanum	0.41926	9/9/18	0.42546	9/17/18	0.42203	0.4468	F
UML041	Umtanum	0.45582	9/9/18	0.46071	9/17/18	0.45983	0.8200	P
UML042	Umtanum	0.46790	9/9/18	0.47540	9/17/18	0.47342	0.7360	P
UML043	Umtanum	0.42128	9/9/18	0.42728	9/17/18	0.42477	0.5817	W
UML044	Umtanum	0.45594	9/9/18	0.46392	9/17/18	0.46166	0.7168	P
UML045	Umtanum	0.41816	9/9/18	0.42541	9/17/18	0.42251	0.6000	W
UML046	Umtanum	0.42249	9/9/18	0.42941	9/17/18	0.42745	0.7168	P
UML047	Umtanum	0.41938	9/9/18	0.42308	9/17/18	0.42228	0.7838	P
UML048	Umtanum	0.42140	9/9/18	0.42695	9/17/18	0.42482	0.6162	W
UML049	Umtanum	0.45579	9/9/18	0.46297	9/17/18	0.46161	0.8106	P
UML050	Umtanum	0.46808	9/9/18	0.47582	9/17/18	0.47403	0.7687	P
UML051	Umtanum	0.42113	9/9/18	0.42747	9/17/18	0.42489	0.5931	P
UML052	Umtanum	0.41793	9/9/18	0.42428	9/17/18	0.42292	0.7858	P
UML053	Umtanum	0.42260	9/9/18	0.42917	9/17/18	0.42664	0.6149	W
UML054	Umtanum	0.42220	9/9/18	0.42825	9/17/18	0.42705	0.8017	P
UML055	Umtanum	0.45575	9/9/18	0.46067	9/17/18	0.45945	0.7520	P
UML056	Umtanum	0.41839	9/9/18	0.42274	9/17/18	0.42168	0.7563	P
UML057	Umtanum	0.46769	9/9/18	0.47411	9/17/18	0.47247	0.7445	P
UML058	Umtanum	0.42227	9/9/18	0.42832	9/17/18	0.42719	0.8133	P
UML059	Umtanum	0.42245	9/9/18	0.42851	9/17/18	0.42712	0.7706	P
UML060	Umtanum	0.46771	9/9/18	0.47323	9/17/18	0.47185	0.7500	P
UML061	Umtanum	0.45592	9/9/18	0.46224	9/17/18	0.45956	0.5759	W
UML062	Umtanum	0.45590	9/9/18	0.46209	9/17/18	0.46034	0.7173	P
UML063	Umtanum	0.42299	9/9/18	0.42871	9/17/18	0.42706	0.7115	P
UML064	Umtanum	0.42510	9/9/18	0.42945	9/17/18	0.42833	0.7425	P
UML065	Umtanum	0.45596	9/9/18	0.46013	9/17/18	0.45831	0.5635	W
UML066	Umtanum	0.42069	9/9/18	0.42875	9/17/18	0.42698	0.7804	P
UML067	Umtanum	0.42240	9/9/18	0.42903	9/17/18	0.42724	0.7300	P
UML068	Umtanum	0.42235	9/9/18	0.42836	9/17/18	0.42685	0.7488	P
UML069	Umtanum	0.42105	9/9/18	0.42910	9/17/18	0.42705	0.7453	P
UML070	Umtanum	0.42390	9/9/18	0.42897	9/17/18	0.42768	0.7456	P
UML071	Umtanum	0.46775	9/9/18	0.47419	9/17/18	0.47284	0.7904	P
UML072	Umtanum	0.46794	9/9/18	0.47385	9/17/18	0.47189	0.6684	P
UML073	Umtanum	0.42231	9/9/18	0.42914	9/17/18	0.42648	0.6105	P
UML074	Umtanum	0.45587	9/9/18	0.46246	9/17/18	0.45815	0.3460	F
UML075	Umtanum	0.42231	9/10/18	0.43212	9/18/18	0.42966	0.7492	P
UML076	Umtanum	0.45568	9/10/18	0.46104	9/18/18	0.45956	0.7239	P
UML077	Umtanum	0.42039	9/10/18	0.42733	9/18/18	0.42562	0.7536	P
UML078	Umtanum	0.45570	9/10/18	0.46266	9/18/18	0.46077	0.7284	P
UML079	Umtanum	0.42817	9/10/18	0.43481	9/18/18	0.43295	0.7199	P
UML080	Umtanum	0.42243	9/10/18	0.42901	9/18/18	0.42729	0.7386	P
UML081	Umtanum	0.42182	9/10/18	0.42908	9/18/18	0.42709	0.7259	P
UML082	Umtanum	0.41834	9/10/18	0.42572	9/18/18	0.42387	0.7493	P
UML083	Umtanum	0.42135	9/10/18	0.42853	9/18/18	0.42661	0.7326	P
UML084	Umtanum	0.44367	9/10/18	0.45283	9/18/18	0.45068	0.7653	P
UML085	Umtanum	0.42772	9/10/18	0.43528	9/18/18	0.43321	0.7262	P
UML086	Umtanum	0.45567	9/10/18	0.46268	9/18/18	0.46018	0.6434	W
UML087	Umtanum	0.42242	9/10/18	0.42976	9/18/18	0.42631	0.5300	W
UML088	Umtanum	0.42154	9/10/18	0.43068	9/18/18	0.42820	0.7287	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
UML089	Umtanum	0.46758	9/10/18	0.47367	9/18/18	0.47224	0.7652	P
UML090	Umtanum	0.46779	9/10/18	0.47421	9/18/18	0.47223	0.6916	P
UML091	Umtanum	0.46737	9/10/18	0.47343	9/18/18	0.47070	0.5495	W
UML092	Umtanum	0.42253	9/10/18	0.42995	9/18/18	0.42819	0.7628	P
UML093	Umtanum	0.42758	9/10/18	0.43467	9/18/18	0.43309	0.7772	P
UML094	Umtanum	0.42151	9/10/18	0.42985	9/18/18	0.42755	0.7242	P
UML095	Umtanum	0.41826	9/10/18	0.42608	9/18/18	0.42426	0.7673	W
UML096	Umtanum	0.42804	9/10/18	0.43420	9/18/18	0.43259	0.7386	P
UML097	Umtanum	0.46752	9/10/18	0.47401	9/18/18	0.47206	0.6995	P
UML098	Umtanum	0.42216	9/10/18	0.42786	9/18/18	0.42653	0.7667	P
UML099	Umtanum	0.41796	9/10/18	0.42459	9/18/18	0.42312	0.7783	P
UML100	Umtanum	0.41822	9/10/18	0.42471	9/18/18	0.42321	0.7689	P
VWL001	Vancouver	0.42751	8/14/18	0.43305	8/22/18	0.43174	0.7635	P
VWL002	Vancouver	0.42335	8/14/18	0.42897	8/22/18	0.42754	0.7456	P
VWL003	Vancouver	0.42034	8/14/18	0.42525	8/22/18	0.42346	0.6354	W
VWL004	Vancouver	0.42543	8/14/18	0.43036	8/22/18	0.42920	0.7647	P
VWL005	Vancouver	0.42308	8/14/18	0.42776	8/22/18	0.42566	0.5513	F
VWL006	Vancouver	0.42304	8/14/18	0.42880	8/22/18	0.42737	0.7517	P
VWL007	Vancouver	0.42567	8/14/18	0.43100	8/22/18	0.42979	0.7730	P
VWL008	Vancouver	0.41793	8/14/18	0.42235	8/22/18	0.42047	0.5747	W
VWL009	Vancouver	0.42525	8/14/18	0.43021	8/22/18	0.42784	0.5222	W
VWL010	Vancouver	0.42543	8/14/18	0.43019	8/22/18	0.42795	0.5294	W
VWL011	Vancouver	0.42725	8/14/18	0.43364	8/22/18	0.43209	0.7574	P
VWL012	Vancouver	0.42013	8/14/18	0.42720	8/22/18	0.42560	0.7737	P
VWL013	Vancouver	0.42559	8/14/18	0.43050	8/22/18	0.42829	0.5499	W
VWL014	Vancouver	0.41794	8/14/18	0.42464	8/22/18	0.42305	0.7627	P
VWL015	Vancouver	0.42332	8/14/18	0.42718	8/22/18	0.42533	0.5207	W
VWL016	Vancouver	0.42725	8/14/18	0.43169	8/22/18	0.42995	0.6081	P
VWL017	Vancouver	0.42712	8/14/18	0.43414	8/22/18	0.43226	0.7322	P
VWL018	Vancouver	0.42347	8/14/18	0.42874	8/22/18	0.42624	0.5256	W
VWL019	Vancouver	0.42493	8/14/18	0.42959	8/22/18	0.42747	0.5451	W
VWL020	Vancouver	0.42547	8/14/18	0.42968	8/22/18	0.42778	0.5487	W
VWL021	Vancouver	0.42907	8/14/18	0.43334	8/22/18	0.43218	0.7283	P
VWL022	Vancouver	0.41968	8/14/18	0.42523	8/22/18	0.42391	0.7622	P
VWL023	Vancouver	0.42358	8/14/18	0.42607	8/22/18	0.42528	0.6827	W
VWL024	Vancouver	0.42308	8/14/18	0.42853	8/22/18	0.42602	0.5394	W
VWL025	Vancouver	0.41964	8/14/18	0.42495	8/22/18	0.42266	0.5687	W
VWL026	Vancouver	0.42017	8/14/18	0.42529	8/22/18	0.42310	0.5723	P
VWL027	Vancouver	0.42970	8/14/18	0.43429	8/22/18	0.43319	0.7603	W
VWL028	Vancouver	0.42551	8/14/18	0.43085	8/22/18	0.42859	0.5768	W
VWL029	Vancouver	0.42322	8/14/18	0.42760	8/22/18	0.42563	0.5502	W
VWL030	Vancouver	0.41834	8/14/18	0.42300	8/22/18	0.42175	0.7318	P
VWL031	Vancouver	0.43024	8/14/18	0.43266	8/22/18	0.43193	0.6983	P
VWL032	Vancouver	0.42396	8/14/18	0.42788	8/22/18	0.42615	0.5587	W
VWL033	Vancouver	0.42355	8/14/18	0.42851	8/22/18	0.42597	0.4879	W
VWL034	Vancouver	0.42586	8/14/18	0.43007	8/22/18	0.42894	0.7316	P
VWL035	Vancouver	0.41991	8/14/18	0.42366	8/22/18	0.42265	0.7307	P
VWL036	Vancouver	0.41828	8/14/18	0.42149	8/22/18	0.41996	0.5234	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
VWL037	Vancouver	0.41993	8/14/18	0.42321	8/22/18	0.42162	0.5152	W
VWL038	Vancouver	0.42273	8/14/18	0.42474	8/22/18	0.42369	0.4776	F
VWL039	Vancouver	0.42488	8/14/18	0.42827	8/22/18	0.42692	0.6018	W
VWL040	Vancouver	0.42318	8/14/18	0.42697	8/22/18	0.42514	0.5172	W
VWL041	Vancouver	0.41897	8/14/18	0.42304	8/22/18	0.42095	0.4865	W
VWL042	Vancouver	0.42308	8/14/18	0.42589	8/22/18	0.42521	0.7580	P
VWL043	Vancouver	0.42494	8/14/18	0.42890	8/22/18	0.42702	0.5253	W
VWL044	Vancouver	0.42380	8/14/18	0.42762	8/22/18	0.42620	0.6283	W
VWL045	Vancouver	0.42303	8/14/18	0.42650	8/22/18	0.42488	0.5331	W
VWL046	Vancouver	0.41993	8/14/18	0.42371	8/22/18	0.42272	0.7381	P
VWL047	Vancouver	0.42558	8/14/18	0.42891	8/22/18	0.42722	0.4925	W
VWL048	Vancouver	0.42546	8/14/18	0.42881	8/22/18	0.42785	0.7134	P
VWL050	Vancouver	0.42570	8/14/18	0.42923	8/22/18	0.42748	0.5042	W
VWL051	Vancouver	0.42185	8/14/18	0.42469	8/22/18	0.42382	0.6937	W
VWL052	Vancouver	0.41707	8/15/18	0.42275	8/23/18	0.42040	0.5863	W
VWL053	Vancouver	0.42330	8/15/18	0.42599	8/23/18	0.42493	0.6059	W
VWL054	Vancouver	0.42037	8/15/18	0.42554	8/23/18	0.42443	0.7853	P
VWL055	Vancouver	0.42582	8/15/18	0.42993	8/23/18	0.42815	0.5669	W
VWL056	Vancouver	0.42542	8/15/18	0.43048	8/23/18	0.42907	0.7213	P
VWL057	Vancouver	0.42051	8/15/18	0.42758	8/23/18	0.42605	0.7836	P
VWL058	Vancouver	0.42313	8/15/18	0.42897	8/23/18	0.42756	0.7586	P
VWL059	Vancouver	0.42708	8/15/18	0.43327	8/23/18	0.43092	0.6204	W
VWL060	Vancouver	0.42981	8/15/18	0.43238	8/23/18	0.43201	0.8560	W
VWL061	Vancouver	0.42363	8/15/18	0.42995	8/23/18	0.42684	0.5079	W
VWL062	Vancouver	0.41783	8/15/18	0.42251	8/23/18	0.42081	0.6368	W
VWL063	Vancouver	0.41786	8/15/18	0.42227	8/23/18	0.42049	0.5964	W
VWL064	Vancouver	0.41816	8/15/18	0.42414	8/23/18	0.42186	0.6187	F
VWL065	Vancouver	0.42357	8/15/18	0.42804	8/23/18	0.42709	0.7875	P
VWL066	Vancouver	0.42712	8/15/18	0.43139	8/23/18	0.42972	0.6089	W
VWL067	Vancouver	0.42664	8/15/18	0.43007	8/23/18	0.42924	0.7580	P
VWL068	Vancouver	0.42588	8/15/18	0.42941	8/23/18	0.42784	0.5552	W
VWL069	Vancouver	0.42638	8/15/18	0.43277	8/23/18	0.43139	0.7840	P
VWL070	Vancouver	0.42527	8/15/18	0.43040	8/23/18	0.42934	0.7934	P
VWL071	Vancouver	0.42041	8/15/18	0.42543	8/23/18	0.42426	0.7669	P
VWL072	Vancouver	0.42161	8/15/18	0.42967	8/23/18	0.42779	0.7667	P
VWL074	Vancouver	0.42740	8/15/18	0.43103	8/23/18	0.42876	0.3747	F
VWL075	Vancouver	0.42182	8/15/18	0.42646	8/23/18	0.42448	0.5733	W
VWL076	Vancouver	0.42581	8/15/18	0.42942	8/23/18	0.42851	0.7479	P
VWL077	Vancouver	0.41797	8/15/18	0.42201	8/23/18	0.41994	0.4876	F
VWL078	Vancouver	0.42022	8/15/18	0.42460	8/23/18	0.42278	0.5845	W
VWL079	Vancouver	0.43032	8/15/18	0.43664	8/23/18	0.43522	0.7753	P
VWL080	Vancouver	0.42384	8/15/18	0.42770	8/23/18	0.42614	0.5959	W
VWL081	Vancouver	0.42669	8/15/18	0.43238	8/23/18	0.42938	0.4728	F
VWL082	Vancouver	0.42368	8/15/18	0.42773	8/23/18	0.42668	0.7407	P
VWL083	Vancouver	0.42333	8/15/18	0.42877	8/23/18	0.42723	0.7169	P
VWL084	Vancouver	0.42446	8/15/18	0.42902	8/23/18	0.42796	0.7675	P
VWL085	Vancouver	0.42379	8/15/18	0.42760	8/23/18	0.42598	0.5748	W
VWL086	Vancouver	0.41827	8/15/18	0.42143	8/23/18	0.41998	0.5411	P
VWL087	Vancouver	0.42008	8/15/18	0.42471	8/23/18	0.42271	0.5680	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
VWL088	Vancouver	0.42346	8/15/18	0.42759	8/23/18	0.42677	0.8015	P
VWL090	Vancouver	0.42412	8/15/18	0.42748	8/23/18	0.42616	0.6071	W
VWL091	Vancouver	0.42619	8/15/18	0.42875	8/23/18	0.42723	0.4062	F
VWL092	Vancouver	0.42374	8/15/18	0.42752	8/23/18	0.42670	0.7831	P
VWL093	Vancouver	0.41855	8/15/18	0.42235	8/23/18	0.42155	0.7895	P
VWL094	Vancouver	0.42606	8/15/18	0.42853	8/23/18	0.42744	0.5587	W
VWL095	Vancouver	0.42388	8/16/18	0.42978	8/24/18	0.42835	0.7576	P
VWL096	Vancouver	0.42384	8/16/18	0.42707	8/24/18	0.42554	0.5263	W
VWL097	Vancouver	0.42334	8/16/18	0.42834	8/24/18	0.42577	0.4860	W
VWL098	Vancouver	0.41640	8/16/18	0.42007	8/24/18	0.41868	0.6213	W
VWL099	Vancouver	0.42205	8/16/18	0.42672	8/24/18	0.42468	0.5632	W
VWL100	Vancouver	0.42448	8/16/18	0.42934	8/24/18	0.42714	0.5473	W
VWL101	Vancouver	0.42055	8/16/18	0.42540	8/24/18	0.42431	0.7753	P
VWL102	Vancouver	0.42406	8/16/18	0.42819	8/24/18	0.42636	0.5569	W
VWL103	Vancouver	0.41848	8/16/18	0.42380	8/24/18	0.42255	0.7650	P
VWL104	Vancouver	0.42507	8/16/18	0.42745	8/24/18	0.42588	0.3403	W
VWL105	Vancouver	0.42598	8/16/18	0.43018	8/24/18	0.42809	0.5024	W
VWL106	Vancouver	0.42194	8/16/18	0.42707	8/24/18	0.42444	0.4873	W
VWL107	Vancouver	0.42775	8/16/18	0.43290	8/24/18	0.43152	0.7320	P
VWL108	Vancouver	0.44875	8/16/18	0.45584	8/24/18	0.45416	0.7630	P
VWL109	Vancouver	0.42545	8/16/18	0.43008	8/24/18	0.42884	0.7322	P
VWL110	Vancouver	0.42416	8/16/18	0.42888	8/24/18	0.42664	0.5254	W
VWL111	Vancouver	0.42237	8/16/18	0.42591	8/24/18	0.42445	0.5876	W
VWL112	Vancouver	0.44381	8/16/18	0.44972	8/24/18	0.44820	0.7428	P
VWL113	Vancouver	0.44885	8/16/18	0.45343	8/24/18	0.45216	0.7227	P
VWL114	Vancouver	0.42791	8/16/18	0.43455	8/24/18	0.43272	0.7244	P
VWL115	Vancouver	0.42240	8/16/18	0.42684	8/24/18	0.42480	0.5405	W
VWL116	Vancouver	0.42209	8/16/18	0.42606	8/24/18	0.42511	0.7607	P
VWL117	Vancouver	0.42428	8/16/18	0.42941	8/24/18	0.42678	0.4873	W
VWL118	Vancouver	0.44405	8/16/18	0.44836	8/24/18	0.44715	0.7193	P
VWL119	Vancouver	0.42173	8/16/18	0.42748	8/24/18	0.42495	0.5600	W
VWL120	Vancouver	0.45104	8/16/18	0.45743	8/24/18	0.45585	0.7527	P
VWL121	Vancouver	0.42351	8/16/18	0.42857	8/24/18	0.42633	0.5573	W
VWL122	Vancouver	0.41693	8/16/18	0.42294	8/24/18	0.42173	0.7987	P
VWL123	Vancouver	0.42391	8/16/18	0.42892	8/24/18	0.42769	0.7545	P
VWL124	Vancouver	0.42403	8/16/18	0.42784	8/24/18	0.42554	0.3963	F
VWL125	Vancouver	0.42439	8/16/18	0.42892	8/24/18	0.42682	0.5364	W
VWL126	Vancouver	0.42498	8/16/18	0.42751	8/24/18	0.42637	0.5494	W
VWL127	Vancouver	0.42676	8/16/18	0.43071	8/24/18	0.42870	0.4911	W
VWL128	Vancouver	0.42169	8/16/18	0.42499	8/24/18	0.42315	0.4424	W
VWL129	Vancouver	0.44305	8/16/18	0.44675	8/24/18	0.44492	0.5054	W
VWL130	Vancouver	0.44282	8/16/18	0.44694	8/24/18	0.44587	0.7403	P
VWL131	Vancouver	0.42718	8/16/18	0.42966	8/24/18	0.42839	0.4879	W
VWL132	Vancouver	0.42482	8/16/18	0.42968	8/24/18	0.42716	0.4815	W
VWL133	Vancouver	0.42296	8/16/18	0.42511	8/24/18	0.42365	0.3209	F
VWL135	Vancouver	0.45004	8/16/18	0.45216	8/24/18	0.45106	0.4811	W
VWL136	Vancouver	0.42380	8/16/18	0.42744	8/24/18	0.42644	0.7253	P
VWL137	Vancouver	0.42200	8/16/18	0.42420	8/24/18	0.42277	0.3500	F
VWL138	Vancouver	0.42733	8/16/18	0.42914	8/24/18	0.42805	0.3978	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
VWL139	Vancouver	0.42388	8/17/18	0.42923	8/25/18	0.42606	0.4075	F
VWL140	Vancouver	0.42490	8/17/18	0.43051	8/25/18	0.42928	0.7807	P
VWL141	Vancouver	0.42500	8/17/18	0.42903	8/25/18	0.42733	0.5782	W
VWL142	Vancouver	0.42734	8/17/18	0.43056	8/25/18	0.42953	0.6801	P
VWL143	Vancouver	0.41825	8/17/18	0.42455	8/25/18	0.42306	0.7635	P
VWL144	Vancouver	0.42562	8/17/18	0.42871	8/25/18	0.42753	0.6181	P
VWL145	Vancouver	0.42274	8/17/18	0.42961	8/25/18	0.42787	0.7467	P
VWL146	Vancouver	0.41845	8/17/18	0.42391	8/25/18	0.42150	0.5586	W
VWL147	Vancouver	0.45117	8/17/18	0.45816	8/25/18	0.45661	0.7783	P
VWL148	Vancouver	0.42202	8/17/18	0.42589	8/25/18	0.42472	0.6977	P
VWL149	Vancouver	0.42379	8/17/18	0.42827	8/25/18	0.42620	0.5379	W
VWL150	Vancouver	0.42608	8/17/18	0.42986	8/25/18	0.42874	0.7037	P
VWL151	Vancouver	0.42483	8/17/18	0.43024	8/25/18	0.42786	0.5601	W
VWL152	Vancouver	0.42327	8/17/18	0.42788	8/25/18	0.42667	0.7375	P
VWL153	Vancouver	0.42524	8/17/18	0.43017	8/25/18	0.42887	0.7363	P
VWL154	Vancouver	0.41984	8/17/18	0.42334	8/25/18	0.42255	0.7743	P
VWL155	Vancouver	0.42388	8/17/18	0.42803	8/25/18	0.42628	0.5783	W
VWL156	Vancouver	0.42135	8/17/18	0.42499	8/25/18	0.42399	0.7253	P
VWL157	Vancouver	0.42351	8/17/18	0.42754	8/25/18	0.42572	0.5484	W
VWL158	Vancouver	0.42313	8/17/18	0.42826	8/25/18	0.42708	0.7700	P
VWL159	Vancouver	0.42735	8/17/18	0.43035	8/25/18	0.42964	0.7633	P
VWL160	Vancouver	0.42347	8/17/18	0.42760	8/25/18	0.42579	0.5617	W
VWL161	Vancouver	0.42364	8/17/18	0.42719	8/25/18	0.42498	0.3775	W
VWL162	Vancouver	0.42325	8/17/18	0.42619	8/25/18	0.42466	0.4796	W
VWL163	Vancouver	0.41982	8/17/18	0.42412	8/25/18	0.42150	0.3907	F
VWL165	Vancouver	0.41915	8/17/18	0.42262	8/25/18	0.42106	0.5504	W
VWL166	Vancouver	0.41814	8/17/18	0.42229	8/25/18	0.42147	0.8024	P
VWL167	Vancouver	0.42486	8/17/18	0.42904	8/25/18	0.42659	0.4139	F
VWL168	Vancouver	0.42575	8/17/18	0.42844	8/25/18	0.42676	0.3755	F
VWL169	Vancouver	0.41947	8/17/18	0.42193	8/25/18	0.42124	0.7195	P
VWL170	Vancouver	0.42772	8/17/18	0.43048	8/25/18	0.42935	0.5906	W
VWL171	Vancouver	0.42385	8/17/18	0.42594	8/25/18	0.42498	0.5407	W
VWL172	Vancouver	0.42386	8/18/18	0.42811	8/26/18	0.42699	0.7365	P
VWL173	Vancouver	0.44337	8/18/18	0.44805	8/26/18	0.44697	0.7692	P
VWL174	Vancouver	0.44296	8/18/18	0.44691	8/26/18	0.44502	0.5215	W
VWL175	Vancouver	0.42298	8/18/18	0.42898	8/26/18	0.42742	0.7400	P
VWL176	Vancouver	0.42167	8/18/18	0.42579	8/26/18	0.42462	0.7165	P
VWL177	Vancouver	0.42816	8/18/18	0.43231	8/26/18	0.43012	0.4723	W
VWL179	Vancouver	0.42379	8/18/18	0.42757	8/26/18	0.42569	0.5026	W
VWL180	Vancouver	0.42164	8/18/18	0.42578	8/26/18	0.42394	0.5556	W
VWL181	Vancouver	0.42456	8/18/18	0.43095	8/26/18	0.42930	0.7418	P
VWL182	Vancouver	0.44337	8/18/18	0.44775	8/26/18	0.44657	0.7306	P
VWL183	Vancouver	0.42439	8/18/18	0.42752	8/26/18	0.42660	0.7061	P
VWL184	Vancouver	0.42198	8/18/18	0.42690	8/26/18	0.42437	0.4858	W
VWL185	Vancouver	0.44328	8/18/18	0.44780	8/26/18	0.44655	0.7235	P
VWL186	Vancouver	0.42156	8/18/18	0.42514	8/26/18	0.42409	0.7067	P
VWL187	Vancouver	0.44322	8/18/18	0.44688	8/26/18	0.44513	0.5219	W
VWL188	Vancouver	0.42189	8/18/18	0.42579	8/26/18	0.42385	0.5026	W
VWL189	Vancouver	0.42174	8/18/18	0.42430	8/26/18	0.42302	0.5000	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
VWL190	Vancouver	0.44377	8/18/18	0.44612	8/26/18	0.44497	0.5106	W
VWL191	Vancouver	0.42222	8/18/18	0.42472	8/26/18	0.42346	0.4960	W
VWL192	Vancouver	0.44305	8/18/18	0.44534	8/26/18	0.44427	0.5328	W
VWL194	Vancouver	0.42159	8/18/18	0.42369	8/26/18	0.42228	0.3286	W
VWL195	Vancouver	0.42369	8/18/18	0.42657	8/26/18	0.42581	0.7361	P
VWL196	Vancouver	0.42470	8/18/18	0.42768	8/26/18	0.42637	0.5604	W
VWL197	Vancouver	0.44341	8/18/18	0.44726	8/26/18	0.44540	0.5169	W
VWL198	Vancouver	0.42346	8/18/18	0.42636	8/26/18	0.42492	0.5034	P
BL071	Whatcom	0.42913	8/11/17	0.43172	8/19/17	0.43140	0.8764	P
BL001	Whatcom	0.42229	8/2/17	0.42814	8/10/17	0.42609	0.6496	P
BL002	Whatcom	0.41975	8/3/17	0.42611	8/11/17	0.42199	0.3522	
BL003	Whatcom	0.41882	8/3/17	0.42348	8/11/17	0.42057	0.3755	
BL004	Whatcom	0.41872	8/4/17	0.42511	8/12/17	0.42114	0.3787	
BL005	Whatcom	0.33354	8/4/17	0.34132	8/12/17	0.33640	0.3676	
BL006	Whatcom	0.42234	8/4/17	0.42546	8/12/17	0.42334	0.3205	
BL007	Whatcom	0.32655	8/5/17	0.33135	8/13/17	0.32771	0.2417	
BL008	Whatcom	0.41924	8/5/17	0.42520	8/13/17	0.42194	0.4530	
BL009	Whatcom	0.41938	8/5/17	0.42471	8/13/17	0.42129	0.3583	
BL010	Whatcom	0.42263	8/5/17	0.42839	8/13/17	0.42515	0.4375	
BL011	Whatcom	0.41926	8/5/17	0.42719	8/13/17	0.42450	0.6608	P
BL012	Whatcom	0.41871	8/5/17	0.42381	8/13/17	0.42079	0.4078	
BL013	Whatcom	0.41888	8/5/17	0.42607	8/13/17	0.42370	0.6704	P
BL014	Whatcom	0.33137	8/5/17	0.33839	8/13/17	0.33661	0.7464	P
BL015	Whatcom	0.42253	8/6/17	0.42818	8/14/17	0.42580	0.5788	
BL016	Whatcom	0.42978	8/6/17	0.43601	8/14/17	0.43206	0.3660	
BL017	Whatcom	0.42200	8/6/17	0.42903	8/14/17	0.42704	0.7169	P
BL018	Whatcom	0.41847	8/6/17	0.42514	8/14/17	0.42325	0.7166	P
BL019	Whatcom	0.42404	8/6/17	0.42771	8/14/17	0.42585	0.4932	
BL020	Whatcom	0.41918	8/6/17	0.42465	8/14/17	0.42222	0.5558	
BL021	Whatcom	0.33161	8/6/17	0.33638	8/14/17	0.33455	0.6164	P
BL022	Whatcom	0.42257	8/6/17	0.42834	8/14/17	0.42555	0.5165	
BL023	Whatcom	0.43017	8/7/17	0.43382	8/15/17	0.43264	0.6767	P
BL024	Whatcom	0.43074	8/7/17	0.43557	8/15/17	0.43346	0.5631	
BL025	Whatcom	0.41857	8/7/17	0.42527	8/15/17	0.42304	0.6672	P
BL026	Whatcom	0.41832	8/7/17	0.42384	8/15/17	0.42133	0.5453	
BL027	Whatcom	0.42749	8/7/17	0.43385	8/15/17	0.43248	0.7846	P
BL028	Whatcom	0.41957	8/7/17	0.42556	8/15/17	0.42427	0.7846	P
BL029	Whatcom	0.41976	8/8/17	0.42690	8/16/17	0.42456	0.6723	P
BL030	Whatcom	0.41812	8/8/17	0.42492	8/16/17	0.42262	0.6618	P
BL031	Whatcom	0.41805	8/8/17	0.42290	8/16/17	0.42018	0.4392	
BL032	Whatcom	0.43072	8/8/17	0.43552	8/16/17	0.43305	0.4854	
BL033	Whatcom	0.42324	8/8/17	0.43142	8/16/17	0.42936	0.7482	P
BL034	Whatcom	0.41869	8/8/17	0.42535	8/16/17	0.42347	0.7177	P
BL035	Whatcom	0.41746	8/8/17	0.42415	8/16/17	0.42248	0.7504	P
BL036	Whatcom	0.41934	8/8/17	0.42508	8/16/17	0.42313	0.6603	P
BL037	Whatcom	0.41644	8/8/17	0.42310	8/16/17	0.42137	0.7402	P
BL038	Whatcom	0.42451	8/8/17	0.42966	8/16/17	0.42718	0.5184	
BL039	Whatcom	0.42215	8/8/17	0.42531	8/16/17	0.42405	0.6013	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
BL040	Whatcom	0.41765	8/8/17	0.42345	8/16/17	0.42052	0.4948	
BL041	Whatcom	0.41783	8/9/17	0.42270	8/17/17	0.41978	0.4004	
BL042	Whatcom	0.41941	8/9/17	0.42201	8/17/17	0.42087	0.5615	
BL043	Whatcom	0.42586	8/9/17	0.43204	8/17/17	0.42891	0.4935	
BL044	Whatcom	0.42245	8/9/17	0.42777	8/17/17	0.42603	0.6729	P
BL045	Whatcom	0.42287	8/9/17	0.42949	8/17/17	0.42647	0.5438	
BL046	Whatcom	0.42130	8/9/17	0.42735	8/17/17	0.42546	0.6876	P
BL047	Whatcom	0.42320	8/9/17	0.42815	8/17/17	0.42676	0.7192	P
BL048	Whatcom	0.42040	8/9/17	0.42615	8/17/17	0.42376	0.5843	
BL049	Whatcom	0.41990	8/9/17	0.42682	8/17/17	0.42510	0.7514	P
BL050	Whatcom	0.42373	8/9/17	0.42976	8/17/17	0.42695	0.5340	
BL051	Whatcom	0.41970	8/9/17	0.42602	8/17/17	0.42438	0.7405	P
BL052	Whatcom	0.43175	8/10/17	0.43797	8/18/17	0.43624	0.7219	P
BL053	Whatcom	0.42281	8/10/17	0.42637	8/18/17	0.42477	0.5506	
BL054	Whatcom	0.42303	8/10/17	0.42621	8/18/17	0.42439	0.4277	
BL055	Whatcom	0.41926	8/10/17	0.42430	8/18/17	0.42111	0.3671	
BL056	Whatcom	0.41934	8/10/17	0.41987	8/18/17	0.41978	0.8302	P
BL057	Whatcom	0.42915	8/10/17	0.43415	8/18/17	0.43110	0.3900	
BL058	Whatcom	0.41846	8/10/17	0.42334	8/18/17	0.42113	0.5471	
BL059	Whatcom	0.42672	8/10/17	0.43152	8/18/17	0.42855	0.3812	
BL060	Whatcom	0.42417	8/10/17	0.43340	8/18/17	0.43084	0.7226	P
BL061	Whatcom	0.41981	8/10/17	0.42400	8/18/17	0.42239	0.6158	P
BL062	Whatcom	0.42641	8/10/17	0.43143	8/18/17	0.42914	0.5438	
BL063	Whatcom	0.41989	8/10/17	0.42551	8/18/17	0.42290	0.5356	
BL064	Whatcom	0.42829	8/10/17	0.43264	8/18/17	0.43059	0.5287	
BL065	Whatcom	0.42106	8/10/17	0.42831	8/18/17	0.42651	0.7517	P
BL066	Whatcom	0.42223	8/10/17	0.42857	8/18/17	0.42668	0.7019	P
BL067	Whatcom	0.42339	8/10/17	0.43036	8/18/17	0.42859	0.7461	P
BL068	Whatcom	0.42237	8/10/17	0.42851	8/18/17	0.42514	0.4511	
BL069	Whatcom	0.41887	8/11/17	0.42252	8/19/17	0.42070	0.5014	
BL070	Whatcom	0.41896	8/11/17	0.42323	8/19/17	0.42114	0.5105	
BL072	Whatcom	0.42807	8/11/17	0.43347	8/19/17	0.43144	0.6241	P
BL073	Whatcom	0.42414	8/11/17	0.43003	8/19/17	0.42718	0.5161	
BL074	Whatcom	0.42161	8/11/17	0.42601	8/19/17	0.42398	0.5386	
BL075	Whatcom	0.41897	8/11/17	0.42536	8/19/17	0.42245	0.5446	
BL076	Whatcom	0.42469	8/11/17	0.43099	8/19/17	0.42918	0.7127	P
BL077	Whatcom	0.42374	8/11/17	0.42768	8/19/17	0.42598	0.5685	
BL078	Whatcom	0.41922	8/11/17	0.42450	8/19/17	0.42177	0.4830	
BL079	Whatcom	0.41901	8/11/17	0.42223	8/19/17	0.42027	0.3913	
BL080	Whatcom	0.41848	8/11/17	0.42217	8/19/17	0.42018	0.4607	
BL081	Whatcom	0.42025	8/11/17	0.42407	8/19/17	0.42171	0.3822	
BL082	Whatcom	0.41681	8/11/17	0.42240	8/19/17	0.41894	0.3810	
BL083	Whatcom	0.42302	8/11/17	0.42958	8/19/17	0.42753	0.6875	P
BL084	Whatcom	0.41854	8/11/17	0.42275	8/19/17	0.42037	0.4347	
BL085	Whatcom	0.41825	8/12/17	0.42308	8/20/17	0.41992	0.3458	
BL086	Whatcom	0.41924	8/12/17	0.42365	8/20/17	0.42202	0.6304	P
BL087	Whatcom	0.42323	8/12/17	0.42591	8/20/17	0.42475	0.5672	
BL088	Whatcom	0.41802	8/12/17	0.42557	8/20/17	0.42364	0.7444	P
BL089	Whatcom	0.42806	8/12/17	0.43610	8/20/17	0.43350	0.6766	P

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
BL090	Whatcom	0.41918	8/12/17	0.42547	8/20/17	0.42369	0.7170	P
BL092	Whatcom	0.42045	8/12/17	0.42585	8/20/17	0.42319	0.5074	
BL093	Whatcom	0.42361	8/12/17	0.42714	8/20/17	0.42584	0.6317	P
BL094	Whatcom	0.42128	8/12/17	0.42587	8/20/17	0.42345	0.4728	
BL095	Whatcom	0.42178	8/12/17	0.42597	8/20/17	0.42423	0.5847	
BL096	Whatcom	0.41992	8/12/17	0.42663	8/20/17	0.42339	0.5171	
BL097	Whatcom	0.42020	8/13/17	0.42656	8/21/17	0.42484	0.7296	P
BL098	Whatcom	0.42392	8/13/17	0.43106	8/21/17	0.42886	0.6919	P
BL099	Whatcom	0.41984	8/13/17	0.42556	8/21/17	0.42409	0.7430	P
BL100	Whatcom	0.42651	8/13/17	0.43048	8/21/17	0.42865	0.5390	
WL001	Winthrop	0.41982	8/3/17	0.42583	8/11/17	0.42417	0.7238	
WL003	Winthrop	0.42398	8/3/17	0.43054	8/11/17	0.42869	0.7180	
WL005	Winthrop	0.41994	8/4/17	0.42637	8/12/17	0.42439	0.6921	
WL006	Winthrop	0.42318	8/5/17	0.42958	8/13/17	0.42766	0.7000	
WL007	Winthrop	0.42734	8/5/17	0.43414	8/13/17	0.43236	0.7382	
WL008	Winthrop	0.41912	8/5/17	0.42592	8/13/17	0.42417	0.7426	
WL009	Winthrop	0.32534	8/5/17	0.33178	8/13/17	0.33016	0.7484	
WL010	Winthrop	0.41891	8/5/17	0.42579	8/13/17	0.42394	0.7311	
WL011	Winthrop	0.42036	8/5/17	0.42738	8/13/17	0.42585	0.7821	
WL012	Winthrop	0.42186	8/6/17	0.42795	8/14/17	0.42436	0.4105	
WL013	Winthrop	0.42062	8/6/17	0.42334	8/14/17	0.42276	0.7868	
WL014	Winthrop	0.42278	8/6/17	0.42828	8/14/17	0.42699	0.7655	
WL015	Winthrop	0.41721	8/6/17	0.42333	8/14/17	0.42122	0.6552	
WL016	Winthrop	0.33023	8/6/17	0.33540	8/14/17	0.33419	0.7660	
WL017	Winthrop	0.41957	8/6/17	0.42641	8/14/17	0.42453	0.7251	
WL018	Winthrop	0.42133	8/6/17	0.42825	8/14/17	0.42635	0.7254	
WL019	Winthrop	0.42200	8/7/17	0.42830	8/15/17	0.42661	0.7317	
WL020	Winthrop	0.44909	8/7/17	0.45881	8/15/17	0.45618	0.7294	
WL021	Winthrop	0.41989	8/7/17	0.42704	8/15/17	0.42522	0.7455	
WL022	Winthrop	0.41913	8/7/17	0.42714	8/15/17	0.42485	0.7141	
WL023	Winthrop	0.41922	8/7/17	0.42517	8/15/17	0.42352	0.7227	
WL024	Winthrop	0.41829	8/7/17	0.42285	8/15/17	0.42164	0.7346	
WL025	Winthrop	0.42598	8/7/17	0.42939	8/15/17	0.42798	0.5865	
WL026	Winthrop	0.42708	8/7/17	0.43404	8/15/17	0.43220	0.7356	
WL027	Winthrop	0.42302	8/8/17	0.42857	8/16/17	0.42719	0.7514	
WL028	Winthrop	0.42164	8/8/17	0.42751	8/16/17	0.42569	0.6899	
WL029	Winthrop	0.41880	8/8/17	0.42639	8/16/17	0.42415	0.7049	
WL030	Winthrop	0.42846	8/8/17	0.43236	8/16/17	0.43039	0.4949	
WL031	Winthrop	0.42202	8/8/17	0.42650	8/16/17	0.42503	0.6719	
WL032	Winthrop	0.42048	8/8/17	0.42434	8/16/17	0.42306	0.6684	
WL033	Winthrop	0.41874	8/8/17	0.42567	8/16/17	0.42369	0.7143	
WL034	Winthrop	0.42832	8/8/17	0.43187	8/16/17	0.43087	0.7183	
WL035	Winthrop	0.41810	8/8/17	0.42375	8/16/17	0.42205	0.6991	
WL036	Winthrop	0.41733	8/8/17	0.42255	8/16/17	0.41885	0.2912	
WL037	Winthrop	0.42236	8/8/17	0.42685	8/16/17	0.42382	0.3252	
WL038	Winthrop	0.41892	8/8/17	0.42383	8/16/17	0.42221	0.6701	
WL039	Winthrop	0.41837	8/9/17	0.42683	8/17/17	0.42423	0.6927	
WL040	Winthrop	0.42098	8/9/17	0.42411	8/17/17	0.42295	0.6294	

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
WL041	Winthrop	0.41654	8/9/17	0.42320	8/17/17	0.42085	0.6471	
WL042	Winthrop	0.42747	8/9/17	0.43289	8/17/17	0.43166	0.7731	
WL043	Winthrop	0.42262	8/9/17	0.42824	8/17/17	0.42459	0.3505	
WL044	Winthrop	0.41975	8/9/17	0.42847	8/17/17	0.42637	0.7592	
WL045	Winthrop	0.42243	8/9/17	0.42586	8/17/17	0.42478	0.6851	
WL046	Winthrop	0.41942	8/10/17	0.42668	8/18/17	0.42515	0.7893	
WL047	Winthrop	0.42629	8/10/17	0.43144	8/18/17	0.43017	0.7534	
WL048	Winthrop	0.41812	8/10/17	0.42395	8/18/17	0.42012	0.3431	
WL049	Winthrop	0.42020	8/10/17	0.42516	8/18/17	0.42367	0.6996	
WL050	Winthrop	0.42166	8/10/17	0.42450	8/18/17	0.42345	0.6303	
WL051	Winthrop	0.41941	8/10/17	0.42380	8/18/17	0.42265	0.7380	
WL052	Winthrop	0.42347	8/10/17	0.42976	8/18/17	0.42824	0.7583	
WL053	Winthrop	0.41927	8/10/17	0.42323	8/18/17	0.42225	0.7525	
WL054	Winthrop	0.41910	8/10/17	0.42502	8/18/17	0.42342	0.7297	
WL055	Winthrop	0.41779	8/10/17	0.41938	8/18/17	0.41833	0.3396	
WL056	Winthrop	0.42014	8/10/17	0.42492	8/18/17	0.42185	0.3577	
WL057	Winthrop	0.41851	8/10/17	0.42442	8/18/17	0.42316	0.7868	
WL058	Winthrop	0.41873	8/10/17	0.42370	8/18/17	0.42241	0.7404	
WL059	Winthrop	0.42991	8/10/17	0.43597	8/18/17	0.43470	0.7904	
WL060	Winthrop	0.41852	8/10/17	0.42353	8/18/17	0.42258	0.8104	
WL061	Winthrop	0.43021	8/10/17	0.43559	8/18/17	0.43422	0.7454	
WL062	Winthrop	0.42272	8/10/17	0.42888	8/18/17	0.42746	0.7695	
WL063	Winthrop	0.42235	8/10/17	0.42809	8/18/17	0.42695	0.8014	
WL064	Winthrop	0.41939	8/10/17	0.42407	8/18/17	0.42301	0.7735	
WL065	Winthrop	0.41904	8/10/17	0.42279	8/18/17	0.42199	0.7867	
WL066	Winthrop	0.42002	8/11/17	0.42325	8/19/17	0.42240	0.7368	
WL067	Winthrop	0.42226	8/11/17	0.42740	8/19/17	0.42566	0.6615	
WL068	Winthrop	0.41841	8/11/17	0.42667	8/19/17	0.42484	0.7785	
WL069	Winthrop	0.41746	8/11/17	0.42099	8/19/17	0.41993	0.6997	
WL070	Winthrop	0.41861	8/11/17	0.42464	8/19/17	0.42316	0.7546	
WL071	Winthrop	0.42006	8/11/17	0.42616	8/19/17	0.42471	0.7623	
WL072	Winthrop	0.42585	8/11/17	0.43053	8/19/17	0.42963	0.8077	
WL073	Winthrop	0.41849	8/11/17	0.42608	8/19/17	0.42435	0.7721	
WL074	Winthrop	0.42339	8/11/17	0.42759	8/19/17	0.42656	0.7548	
WL075	Winthrop	0.42458	8/11/17	0.43177	8/19/17	0.43020	0.7816	
WL076	Winthrop	0.42745	8/11/17	0.43316	8/19/17	0.43172	0.7478	
WL077	Winthrop	0.42402	8/11/17	0.42930	8/19/17	0.42795	0.7443	
WL078	Winthrop	0.42140	8/11/17	0.42575	8/19/17	0.42473	0.7655	
WL079	Winthrop	0.42296	8/11/17	0.42900	8/19/17	0.42767	0.7798	
WL080	Winthrop	0.41726	8/11/17	0.42171	8/19/17	0.41910	0.4135	
WL081	Winthrop	0.42380	8/12/17	0.43035	8/20/17	0.42873	0.7527	
WL082	Winthrop	0.43074	8/12/17	0.43430	8/20/17	0.43337	0.7388	P
WL083	Winthrop	0.42037	8/12/17	0.42829	8/20/17	0.42634	0.7538	P
WL084	Winthrop	0.42288	8/12/17	0.43156	8/20/17	0.42957	0.7707	
WL085	Winthrop	0.42875	8/12/17	0.43680	8/20/17	0.43493	0.7677	P
WL086	Winthrop	0.41916	8/12/17	0.42426	8/20/17	0.42318	0.7882	P
WL087	Winthrop	0.42606	8/12/17	0.42877	8/20/17	0.42691	0.3137	
WL088	Winthrop	0.42776	8/12/17	0.43242	8/20/17	0.43141	0.7833	P
WL089	Winthrop	0.42180	8/12/17	0.42731	8/20/17	0.42601	0.7641	

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
WL090	Winthrop	0.42297	8/12/17	0.42646	8/20/17	0.42546	0.7135	P
WL091	Winthrop	0.41890	8/12/17	0.42243	8/20/17	0.42140	0.7082	
WL092	Winthrop	0.41864	8/12/17	0.42038	8/20/17	0.41916	0.2989	
WL093	Winthrop	0.41749	8/12/17	0.42234	8/20/17	0.42114	0.7526	P
WL094	Winthrop	0.41922	8/12/17	0.42177	8/20/17	0.42079	0.6157	P
WL095	Winthrop	0.42697	8/12/17	0.42904	8/20/17	0.42759	0.2995	
WL096	Winthrop	0.41933	8/12/17	0.42609	8/20/17	0.42434	0.7411	P
WL097	Winthrop	0.43096	8/12/17	0.43535	8/20/17	0.43296	0.4556	
WL098	Winthrop	0.43014	8/12/17	0.43500	8/20/17	0.43353	0.6975	P
WL099	Winthrop	0.42871	8/12/17	0.43520	8/20/17	0.43349	0.7365	P
WL100	Winthrop	0.42371	8/12/17	0.42742	8/20/17	0.42693	0.8679	P
G1	Yakima	0.41863	9/7/15	0.42366	9/15/15	0.42198	0.6660	W
G10	Yakima	0.43033	9/9/15	0.43505	9/17/15	0.43421	0.8220	P
G100	Yakima	0.42620	9/17/15	0.43196	9/25/15	0.43036	0.7222	P
G11	Yakima	0.41857	9/9/15	0.42452	9/17/15	0.42287	0.7227	W
G12	Yakima	0.42415	9/9/15	0.42991	9/17/15	0.42896	0.8351	
G13	Yakima	0.42392	9/9/15	0.42718	9/17/15	0.42624	0.7117	W
G14	Yakima	0.41987	9/9/15	0.42420	9/17/15	0.42310	0.7460	W
G15	Yakima	0.42391	9/9/15	0.43057	9/17/15	0.42968	0.8664	P
G17	Yakima	0.42066	9/10/15	0.42537	9/18/15	0.42362	0.6285	W
G18	Yakima	0.42294	9/10/15	0.42810	9/18/15	0.42639	0.6686	W
G19	Yakima	0.41910	9/10/15	0.42513	9/18/15	0.42277	0.6086	W
G2	Yakima	0.42624	9/7/15	0.43209	9/15/15	0.42955	0.5658	W
G20	Yakima	0.41882	9/10/15	0.42590	9/18/15	0.42445	0.7952	P
G21	Yakima	0.42840	9/10/15	0.43554	9/18/15	0.43422	0.8151	
G22	Yakima	0.41975	9/10/15	0.42548	9/18/15	0.42422	0.7801	P
G23	Yakima	0.42063	9/10/15	0.42327	9/18/15	0.42179	0.4394	F
G24	Yakima	0.42397	9/10/15	0.43019	9/18/15	0.42768	0.5965	W
G25	Yakima	0.42443	9/10/15	0.43086	9/18/15	0.42840	0.6174	W
G26	Yakima	0.41905	9/10/15	0.42514	9/18/15	0.42390	0.7964	P
G27	Yakima	0.42823	9/10/15	0.43430	9/18/15	0.43273	0.7414	P
G28	Yakima	0.42406	9/10/15	0.42864	9/18/15	0.42773	0.8013	P
G29	Yakima	0.42817	9/10/15	0.43311	9/18/15	0.43205	0.7854	P
G3	Yakima	0.42106	9/7/15	0.42527	9/15/15	0.42449	0.8147	P
G30	Yakima	0.42076	9/10/15	0.42599	9/18/15	0.42456	0.7266	W
G31	Yakima	0.41891	9/10/15	0.42433	9/18/15	0.42261	0.6827	F
G32	Yakima	0.41894	9/10/15	0.42261	9/18/15	0.42090	0.5341	W
G33	Yakima	0.42402	9/11/15	0.42900	9/19/15	0.42811	0.8213	P
G34	Yakima	0.42070	9/11/15	0.42537	9/19/15	0.42339	0.5760	W
G35	Yakima	0.41913	9/11/15	0.42469	9/19/15	0.42361	0.8058	P
G36	Yakima	0.42060	9/11/15	0.42662	9/19/15	0.42468	0.6777	W
G37	Yakima	0.41923	9/11/15	0.42493	9/19/15	0.42233	0.5439	F
G38	Yakima	0.42414	9/11/15	0.42913	9/19/15	0.42773	0.7194	P
G39	Yakima	0.42866	9/11/15	0.43492	9/19/15	0.43213	0.5543	W
G4	Yakima	0.42419	9/7/15	0.42971	9/15/15	0.42761	0.6196	W
G40	Yakima	0.41902	9/11/15	0.42663	9/19/15	0.42502	0.7884	P
G41	Yakima	0.41852	9/11/15	0.42462	9/19/15	0.42329	0.7820	P
G42	Yakima	0.41959	9/11/15	0.42613	9/19/15	0.42356	0.6070	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
G43	Yakima	0.42414	9/11/15	0.42922	9/19/15	0.42796	0.7520	P
G44	Yakima	0.41940	9/11/15	0.42598	9/19/15	0.42248	0.4681	W
G45	Yakima	0.42288	9/11/15	0.42957	9/19/15	0.42797	0.7608	P
G46	Yakima	0.41873	9/11/15	0.42447	9/19/15	0.42203	0.5749	W
G47	Yakima	0.42066	9/11/15	0.42638	9/19/15	0.42535	0.8199	P
G48	Yakima	0.41918	9/11/15	0.42489	9/19/15	0.42299	0.6673	P
G49	Yakima	0.42402	9/11/15	0.42904	9/19/15	0.42702	0.5976	F
G5	Yakima	0.42047	9/7/15	0.42466	9/15/15	0.42250	0.4845	F
G50	Yakima	0.42050	9/11/15	0.42770	9/19/15	0.42457	0.5653	W
G51	Yakima	0.41857	9/11/15	0.42300	9/19/15	0.42213	0.8036	
G52	Yakima	0.41915	9/11/15	0.42475	9/19/15	0.42364	0.8018	P
G53	Yakima	0.41948	9/11/15	0.42592	9/19/15	0.42342	0.6118	W
G54	Yakima	0.41887	9/12/15	0.42556	9/20/15	0.42422	0.7997	P
G55	Yakima	0.42066	9/12/15	0.42805	9/20/15	0.42654	0.7957	
G56	Yakima	0.42320	9/12/15	0.42833	9/20/15	0.42712	0.7641	P
G57	Yakima	0.41926	9/12/15	0.42582	9/20/15	0.42290	0.5549	
G58	Yakima	0.42089	9/12/15	0.42576	9/20/15	0.42453	0.7474	P
G59	Yakima	0.41894	9/12/15	0.42679	9/20/15	0.42485	0.7529	P
G60	Yakima	0.42613	9/12/15	0.43193	9/20/15	0.43038	0.7328	P
G61	Yakima	0.42624	9/12/15	0.43356	9/20/15	0.43167	0.7418	P
G62	Yakima	0.41779	9/12/15	0.42332	9/20/15	0.42220	0.7975	P
G63	Yakima	0.42467	9/12/15	0.43038	9/20/15	0.42909	0.7741	P
G64	Yakima	0.42116	9/12/15	0.42868	9/20/15	0.42699	0.7753	P
G65	Yakima	0.43084	9/12/15	0.43825	9/20/15	0.43628	0.7341	P
G66	Yakima	0.42488	9/15/15	0.43123	9/23/15	0.42934	0.7024	P
G67	Yakima	0.42617	9/15/15	0.43371	9/23/15	0.43168	0.7308	P
G68	Yakima	0.42044	9/15/15	0.42490	9/23/15	0.42344	0.6726	P
G69	Yakima	0.41968	9/15/15	0.42771	9/23/15	0.42567	0.7460	
G7	Yakima	0.42791	9/9/15	0.43223	9/17/15	0.43087	0.6852	W
G70	Yakima	0.43037	9/15/15	0.43732	9/23/15	0.43442	0.5827	
G71	Yakima	0.42606	9/15/15	0.43699	9/23/15	0.43451	0.7731	P
G72	Yakima	0.42297	9/15/15	0.42702	9/23/15	0.42573	0.6815	
G73	Yakima	0.42431	9/15/15	0.42957	9/23/15	0.42790	0.6825	P
G74	Yakima	0.41722	9/15/15	0.42426	9/23/15	0.42209	0.6918	P
G75	Yakima	0.41852	9/15/15	0.42467	9/23/15	0.42091	0.3886	
G76	Yakima	0.41928	9/15/15	0.42530	9/23/15	0.42415	0.8090	P
G77	Yakima	0.42458	9/15/15	0.43206	9/23/15	0.43037	0.7741	P
G78	Yakima	0.42653	9/15/15	0.43463	9/23/15	0.43287	0.7827	
G79	Yakima	0.42402	9/15/15	0.42974	9/23/15	0.42857	0.7955	P
G8	Yakima	0.41745	9/9/15	0.42483	9/17/15	0.42237	0.6667	W
G80	Yakima	0.42451	9/15/15	0.42929	9/23/15	0.42626	0.3661	
G81	Yakima	0.42084	9/16/15	0.42606	9/24/15	0.42438	0.6782	P
G82	Yakima	0.41868	9/16/15	0.42432	9/24/15	0.42255	0.6862	P
G83	Yakima	0.42691	9/16/15	0.43564	9/24/15	0.43338	0.7411	P
G84	Yakima	0.42818	9/16/15	0.43533	9/24/15	0.43371	0.7734	P
G85	Yakima	0.42358	9/16/15	0.43273	9/24/15	0.42942	0.6383	
G86	Yakima	0.42051	9/16/15	0.42715	9/24/15	0.42287	0.3554	
G87	Yakima	0.42611	9/16/15	0.43043	9/24/15	0.42921	0.7176	P
G88	Yakima	0.42157	9/16/15	0.42766	9/24/15	0.42461	0.4992	W

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR	Status
G89	Yakima	0.43031	9/16/15	0.43416	9/24/15	0.43297	0.6909	P
G9	Yakima	0.42116	9/9/15	0.42734	9/17/15	0.42514	0.6440	W
G90	Yakima	0.41912	9/16/15	0.42648	9/24/15	0.42281	0.5014	F
G91	Yakima	0.42656	9/16/15	0.43403	9/24/15	0.43214	0.7470	P
G92	Yakima	0.41868	9/16/15	0.42622	9/24/15	0.42120	0.3342	F
G93	Yakima	0.41877	9/17/15	0.42691	9/25/15	0.42510	0.7776	P
G94	Yakima	0.42092	9/17/15	0.42949	9/25/15	0.42696	0.7048	
G95	Yakima	0.42220	9/17/15	0.43010	9/25/15	0.42501	0.3557	F
G96	Yakima	0.43044	9/17/15	0.43839	9/25/15	0.43673	0.7912	P
G97	Yakima	0.41925	9/17/15	0.42257	9/25/15	0.42152	0.6837	P
G98	Yakima	0.42432	9/17/15	0.42939	9/25/15	0.42685	0.4990	W
G99	Yakima	0.42126	9/17/15	0.42749	9/25/15	0.42614	0.7833	P

Appendix Table 4. Twelve randomly selected developing *R. zephyria* samples used for PWR modeling with sample identifier, collection location, weight of empty tube, pre- and post-treatment weights of tube containing the specimens, PWR, and beginning and end dates of specimen desiccation treatments (all weights in milligrams).

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR
BHL088	Bellingham	0.42247	9/11/18	0.42849	9/19/18	0.42658	0.6827
BHL092	Bellingham	0.42668	9/11/18	0.43240	9/19/18	0.43080	0.7203
BHL044	Bellingham	0.46737	9/10/18	0.47280	9/18/18	0.47137	0.7366
BHL009	Bellingham	0.46796	9/9/18	0.47302	9/17/18	0.47166	0.7312
BHL021	Bellingham	0.42689	9/9/18	0.43225	9/17/18	0.43070	0.7108
BHL051	Bellingham	0.42106	9/10/18	0.42607	9/18/18	0.42489	0.7645
BHL001	Bellingham	0.46780	9/9/18	0.47197	9/17/18	0.47070	0.6954
BHL002	Bellingham	0.42262	9/9/18	0.42851	9/17/18	0.42657	0.6706
BHL038	Bellingham	0.42261	9/10/18	0.43148	9/18/18	0.42905	0.7260
BHL039	Bellingham	0.42269	9/10/18	0.42965	9/18/18	0.42786	0.7428
BHL085	Bellingham	0.42676	9/11/18	0.43384	9/19/18	0.43159	0.6822
BHL049	Bellingham	0.42216	9/10/18	0.42743	9/18/18	0.42609	0.7457
Q0824	Birdsview	0.47375	9/6/20	0.47723	9/14/20	0.47614	0.6868
Q0669	Birdsview	0.47523	9/3/20	0.47992	9/11/20	0.47837	0.6695
Q0366	Birdsview	0.47237	8/30/20	0.47602	9/7/20	0.47488	0.6877
Q0895	Birdsview	0.48161	9/4/20	0.48505	9/12/20	0.48385	0.6512
Q0664	Birdsview	0.47456	9/3/20	0.47983	9/11/20	0.47834	0.7173
Q0928	Birdsview	0.47967	9/5/20	0.48465	9/13/20	0.48281	0.6305
Q0670	Birdsview	0.46750	9/3/20	0.47189	9/11/20	0.47030	0.6378
Q1205	Birdsview	0.48005	9/8/20	0.48391	9/16/20	0.48239	0.6062
Q0922	Birdsview	0.47836	9/5/20	0.48599	9/13/20	0.48373	0.7038
Q0880	Birdsview	0.47617	9/4/20	0.48111	9/12/20	0.47953	0.6802
Q1204	Birdsview	0.47587	9/8/20	0.48133	9/16/20	0.47943	0.6520
Q0488	Birdsview	0.47649	9/1/20	0.48069	9/9/20	0.47931	0.6714
Q1620	Blaine	0.47887	9/21/20	0.48231	9/29/20	0.48132	0.7122
Q0799	Blaine	0.47615	9/4/20	0.48549	9/12/20	0.48343	0.7794
Q1661	Blaine	0.47972	9/29/20	0.48823	10/7/20	0.48544	0.6722
Q0980	Blaine	0.47866	9/5/20	0.48255	9/13/20	0.48132	0.6838
Q0983	Blaine	0.47900	9/5/20	0.48703	9/13/20	0.48471	0.7111
Q0797	Blaine	0.47842	9/4/20	0.48491	9/12/20	0.48297	0.7011
Q0798	Blaine	0.48132	9/4/20	0.49030	9/12/20	0.48798	0.7416
Q0473	Blaine	0.47302	9/1/20	0.47714	9/9/20	0.47551	0.6044
Q1199	Blaine	0.47870	9/7/20	0.48621	9/15/20	0.48397	0.7017
Q0819	Blaine	0.47440	9/6/20	0.48301	9/14/20	0.48120	0.7898
Q0341	Blaine	0.47122	8/30/20	0.47750	9/7/20	0.47516	0.6274
Q0802	Blaine	0.47629	9/4/20	0.48188	9/12/20	0.47975	0.6190
Q0353	Cascade River	0.47550	8/30/20	0.47954	9/7/20	0.47840	0.7178
Q0730	Cascade River	0.47397	9/3/20	0.47847	9/11/20	0.47691	0.6533
Q0961	Cascade River	0.47249	9/5/20	0.48101	9/13/20	0.47833	0.6854
Q1214	Cascade River	0.48533	9/8/20	0.49281	9/16/20	0.49005	0.6310
Q0957	Cascade River	0.47550	9/5/20	0.48301	9/13/20	0.48011	0.6138
Q0903	Cascade River	0.48555	9/4/20	0.48896	9/12/20	0.48807	0.7390
Q1058	Cascade River	0.48020	9/6/20	0.48491	9/14/20	0.48325	0.6476

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR
Q0356	Cascade River	0.47128	8/30/20	0.47701	9/7/20	0.47533	0.7068
Q1070	Cascade River	0.47943	9/6/20	0.48486	9/14/20	0.48326	0.7053
Q1345	Cascade River	0.47790	9/11/20	0.48165	9/19/20	0.48025	0.6267
Q1346	Cascade River	0.47596	9/11/20	0.48004	9/19/20	0.47852	0.6275
Q1065	Cascade River	0.47672	9/6/20	0.48234	9/14/20	0.48059	0.6886
Q1187	Chehalis	0.48065	9/7/20	0.48645	9/15/20	0.48507	0.7621
Q0987	Chehalis	0.47870	9/5/20	0.48412	9/13/20	0.48272	0.7417
Q1474	Chehalis	0.47551	9/12/20	0.47906	9/20/20	0.47811	0.7324
Q1306	Chehalis	0.47948	9/9/20	0.48456	9/17/20	0.48283	0.6594
Q1477	Chehalis	0.47989	9/12/20	0.48390	9/20/20	0.48287	0.7431
Q1473	Chehalis	0.48048	9/12/20	0.48382	9/20/20	0.48280	0.6946
Q1353	Chehalis	0.47843	9/11/20	0.48185	9/19/20	0.48086	0.7105
Q1479	Chehalis	0.47885	9/12/20	0.48659	9/20/20	0.48446	0.7248
Q1356	Chehalis	0.47886	9/11/20	0.48468	9/19/20	0.48316	0.7388
Q1364	Chehalis	0.47932	9/11/20	0.48577	9/19/20	0.48426	0.7659
Q1357	Chehalis	0.47811	9/11/20	0.48288	9/19/20	0.48138	0.6855
Q1186	Chehalis	0.47945	9/7/20	0.48689	9/15/20	0.48496	0.7406
F76	Cle Elum 2015	0.42486	9/17/15	0.42918	9/25/15	0.42814	0.7593
F79	Cle Elum 2015	0.42634	9/17/15	0.43065	9/25/15	0.42965	0.7680
F23	Cle Elum 2015	0.41916	9/11/15	0.42377	9/19/15	0.42265	0.7570
F83	Cle Elum 2015	0.42424	9/17/15	0.43102	9/25/15	0.42926	0.7404
F42	Cle Elum 2015	0.42408	9/12/15	0.43078	9/20/15	0.42936	0.7881
F32	Cle Elum 2015	0.42079	9/12/15	0.42933	9/20/15	0.42740	0.7740
F72	Cle Elum 2015	0.42434	9/16/15	0.43003	9/24/15	0.42883	0.7891
F94	Cle Elum 2015	0.41827	9/18/15	0.42514	9/26/15	0.42341	0.7482
F48	Cle Elum 2015	0.42123	9/15/15	0.42639	9/23/15	0.42485	0.7016
F13	Cle Elum 2015	0.42286	9/10/15	0.42996	9/18/15	0.42828	0.7634
F9	Cle Elum 2015	0.42277	9/9/15	0.42866	9/17/15	0.42743	0.7912
F35	Cle Elum 2015	0.42095	9/12/15	0.42973	9/20/15	0.42765	0.7631
Y696	Cle Elum 2019.1	0.42280	9/19/19	0.42929	9/27/19	0.42754	0.7304
Y194	Cle Elum 2019.1	0.44494	9/8/19	0.45234	9/16/19	0.44964	0.6351
Y520	Cle Elum 2019.1	0.41977	9/14/19	0.42568	9/22/19	0.42412	0.7360
Y479	Cle Elum 2019.1	0.42875	9/13/19	0.43591	9/21/19	0.43394	0.7249
Y192	Cle Elum 2019.1	0.42854	9/8/19	0.43661	9/16/19	0.43427	0.7100
Y440	Cle Elum 2019.1	0.41984	9/12/19	0.42741	9/20/19	0.42557	0.7569
Y826	Cle Elum 2019.1	0.42206	9/23/19	0.42716	10/1/19	0.42603	0.7784
Y690	Cle Elum 2019.1	0.42268	9/18/19	0.42887	9/26/19	0.42744	0.7690
Y525	Cle Elum 2019.1	0.42317	9/14/19	0.43069	9/22/19	0.42894	0.7673
Y797	Cle Elum 2019.1	0.44371	9/22/19	0.44680	9/30/19	0.44595	0.7249
Y483	Cle Elum 2019.1	0.42333	9/13/19	0.43000	9/21/19	0.42749	0.6237
Y433	Cle Elum 2019.1	0.41927	9/12/19	0.42564	9/20/19	0.42431	0.7912
Y500	Cle Elum 2019.2	0.41929	9/14/19	0.42429	9/22/19	0.42270	0.6820
Y594	Cle Elum 2019.2	0.42272	9/16/19	0.42851	9/24/19	0.42717	0.7686
Y269	Cle Elum 2019.2	0.42320	9/10/19	0.42926	9/18/19	0.42777	0.7541
Y726	Cle Elum 2019.2	0.42267	9/20/19	0.42791	9/28/19	0.42671	0.7710
Y507	Cle Elum 2019.2	0.42664	9/14/19	0.43301	9/22/19	0.43150	0.7630
Y582	Cle Elum 2019.2	0.41908	9/16/19	0.42449	9/24/19	0.42284	0.6950
Y502	Cle Elum 2019.2	0.42337	9/14/19	0.43056	9/22/19	0.42915	0.8039

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR
Y499	Cle Elum 2019.2	0.41924	9/14/19	0.42366	9/22/19	0.42255	0.7489
Y427	Cle Elum 2019.2	0.42330	9/12/19	0.43021	9/20/19	0.42816	0.7033
Y719	Cle Elum 2019.2	0.42829	9/20/19	0.43370	9/28/19	0.43252	0.7819
Y713	Cle Elum 2019.2	0.42127	9/20/19	0.42694	9/28/19	0.42584	0.8060
Y580	Cle Elum 2019.2	0.41830	9/16/19	0.42253	9/24/19	0.42154	0.7660
CELB041	Cle Elum 2018	0.42843	9/18/18	0.43571	9/26/18	0.43408	0.7761
CELA012	Cle Elum 2018	0.42100	9/24/18	0.42630	10/2/18	0.42503	0.7604
CELA013	Cle Elum 2018	0.41804	9/24/18	0.42408	10/2/18	0.42266	0.7649
CELB049	Cle Elum 2018	0.44396	9/20/18	0.45254	9/28/18	0.44992	0.6946
CELB012	Cle Elum 2018	0.44342	9/15/18	0.44819	9/23/18	0.44703	0.7568
CELB014	Cle Elum 2018	0.41783	9/15/18	0.42687	9/23/18	0.42476	0.7666
CELB025	Cle Elum 2018	0.45567	9/17/18	0.46208	9/25/18	0.46003	0.6802
CELB036	Cle Elum 2018	0.42806	9/17/18	0.43601	9/25/18	0.43296	0.6164
CELA004	Cle Elum 2018	0.42242	9/13/18	0.42782	9/21/18	0.42603	0.6685
CELB042	Cle Elum 2018	0.42593	9/19/18	0.43328	9/27/18	0.43153	0.7619
CELB005	Cle Elum 2018	0.42107	9/13/18	0.42561	9/21/18	0.42466	0.7907
CELA010	Cle Elum 2018	0.42076	9/21/18	0.42941	9/29/18	0.42729	0.7549
CBL029	Pend Oreille	0.42041	8/30/17	0.42530	9/7/17	0.42436	0.8078
CBL030	Pend Oreille	0.41871	8/30/17	0.42686	9/7/17	0.42505	0.7779
CBL084	Pend Oreille	0.42084	9/2/17	0.42847	9/10/17	0.42675	0.7746
CBL003	Pend Oreille	0.41971	8/25/17	0.42711	9/2/17	0.42531	0.7568
CBL012	Pend Oreille	0.43090	8/28/17	0.43487	9/5/17	0.43390	0.7557
CBL031	Pend Oreille	0.42222	8/30/17	0.42658	9/7/17	0.42557	0.7683
CBL033	Pend Oreille	0.41870	8/30/17	0.42492	9/7/17	0.42361	0.7894
CBL011	Pend Oreille	0.41889	8/25/17	0.42387	9/5/17	0.42270	0.7651
CBL077	Pend Oreille	0.41787	9/2/17	0.42560	9/10/17	0.42398	0.7904
CBL006	Pend Oreille	0.42397	8/25/17	0.42801	9/2/17	0.42667	0.6683
CBL075	Pend Oreille	0.42186	9/2/17	0.42639	9/10/17	0.42523	0.7439
CBL042	Pend Oreille	0.41887	8/30/17	0.42130	9/7/17	0.42074	0.7695
CDL029	Grand Coulee	0.42237	9/4/17	0.42809	9/12/17	0.42673	0.7622
CDL007	Grand Coulee	0.41667	8/31/17	0.42535	9/8/17	0.42338	0.7730
CDL033	Grand Coulee	0.41710	9/7/17	0.42098	9/15/17	0.42005	0.7603
CDL027	Grand Coulee	0.41935	9/4/17	0.42522	9/12/17	0.42389	0.7734
CDL023	Grand Coulee	0.41959	9/3/17	0.42253	9/11/17	0.42155	0.6667
CDL005	Grand Coulee	0.41919	8/30/17	0.42923	9/7/17	0.42683	0.7610
CDL024	Grand Coulee	0.42255	9/3/17	0.42738	9/11/17	0.42637	0.7909
CDL002	Grand Coulee	0.42190	8/28/17	0.42747	9/5/17	0.42638	0.8043
CDL028	Grand Coulee	0.42638	9/4/17	0.42990	9/12/17	0.42912	0.7784
CDL010	Grand Coulee	0.42278	9/2/17	0.42895	9/10/17	0.42784	0.8201
CDL022	Grand Coulee	0.41923	9/3/17	0.42503	9/11/17	0.42380	0.7879
CDL015	Grand Coulee	0.41870	9/2/17	0.42470	9/10/17	0.42412	0.9033
Q0313	Cusick Creek	0.47489	8/29/20	0.48072	9/6/20	0.47919	0.7376
Q0621	Cusick Creek	0.47733	9/3/20	0.47999	9/11/20	0.47929	0.7368
Q0627	Cusick Creek	0.47103	9/3/20	0.47416	9/11/20	0.47324	0.7061
Q0622	Cusick Creek	0.47598	9/3/20	0.48080	9/11/20	0.47973	0.7780
Q0066	Cusick Creek	0.47196	8/26/20	0.47759	9/3/20	0.47615	0.7442
Q0310	Cusick Creek	0.47062	8/29/20	0.47504	9/6/20	0.47400	0.7647
Q0425	Cusick Creek	0.47490	9/1/20	0.48154	9/9/20	0.47994	0.7590

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Q0383	Cusick Creek	0.46904	8/31/20	0.47437	9/8/20	0.47288	0.7205
Q0388	Cusick Creek	0.47216	8/31/20	0.47759	9/8/20	0.47639	0.7790
Q0426	Cusick Creek	0.47335	9/1/20	0.48119	9/9/20	0.47909	0.7321
Q0065	Cusick Creek	0.47050	8/26/20	0.47825	9/3/20	0.47586	0.6916
Q0335	Cusick Creek	0.47368	8/30/20	0.48059	9/7/20	0.47885	0.7482
I48	Easton 2015	0.41912	9/12/15	0.42527	9/20/15	0.42416	0.8195
I62	Easton 2015	0.42753	9/15/15	0.43449	9/23/15	0.43255	0.7213
I91	Easton 2015	0.42417	9/17/15	0.42772	9/25/15	0.42686	0.7577
I55	Easton 2015	0.42603	9/15/15	0.43388	9/23/15	0.43160	0.7096
I17	Easton 2015	0.41894	9/10/15	0.42415	9/18/15	0.42317	0.8119
I44	Easton 2015	0.42220	9/12/15	0.42902	9/20/15	0.42769	0.8050
I43	Easton 2015	0.41926	9/12/15	0.42500	9/20/15	0.42339	0.7195
I84	Easton 2015	0.42479	9/17/15	0.43229	9/25/15	0.43071	0.7893
I25	Easton 2015	0.41895	9/10/15	0.42492	9/18/15	0.42372	0.7990
I36	Easton 2015	0.41942	9/11/15	0.42698	9/19/15	0.42535	0.7844
I50	Easton 2015	0.41735	9/12/15	0.42494	9/20/15	0.42324	0.7760
I9	Easton 2015	0.42707	9/9/15	0.43156	9/17/15	0.43058	0.7817
EAL033	Easton 2018	0.41897	9/11/18	0.42539	9/19/18	0.42374	0.7430
EAL052	Easton 2018	0.41893	9/12/18	0.42312	9/20/18	0.42220	0.7804
EAL014	Easton 2018	0.45585	9/10/18	0.46251	9/18/18	0.46096	0.7673
EAL100	Easton 2018	0.42355	9/14/18	0.42956	9/22/18	0.42813	0.7621
EAL030	Easton 2018	0.42226	9/11/18	0.42772	9/19/18	0.42609	0.7015
EAL048	Easton 2018	0.42308	9/12/18	0.43085	9/20/18	0.42870	0.7233
EAL097	Easton 2018	0.46817	9/14/18	0.47566	9/22/18	0.47390	0.7650
EAL074	Easton 2018	0.41928	9/13/18	0.42867	9/21/18	0.42635	0.7529
EAL098	Easton 2018	0.42350	9/14/18	0.43051	9/22/18	0.42887	0.7660
EAL045	Easton 2018	0.46743	9/12/18	0.47478	9/20/18	0.47303	0.7619
EAL073	Easton 2018	0.42376	9/13/18	0.43027	9/21/18	0.42855	0.7358
EAL067	Easton 2018	0.42247	9/13/18	0.42896	9/21/18	0.42740	0.7596
E55	Ellensburg 2015	0.42649	9/18/15	0.43403	9/26/15	0.43248	0.7944
E39	Ellensburg 2015	0.41942	9/15/15	0.42584	9/23/15	0.42361	0.6526
E51	Ellensburg 2015	0.42108	9/18/15	0.42756	9/26/15	0.42652	0.8395
E4	Ellensburg 2015	0.42252	9/7/15	0.42845	9/15/15	0.42729	0.8044
E41	Ellensburg 2015	0.42092	9/16/15	0.42534	9/24/15	0.42387	0.6674
E56	Ellensburg 2015	0.42407	9/20/15	0.42991	9/28/15	0.42889	0.8253
E10	Ellensburg 2015	0.42644	9/9/15	0.43209	9/17/15	0.43084	0.7788
E24	Ellensburg 2015	0.42049	9/11/15	0.42722	9/19/15	0.42571	0.7756
E21	Ellensburg 2015	0.41842	9/10/15	0.42529	9/18/15	0.42349	0.7380
E33	Ellensburg 2015	0.42109	9/12/15	0.42935	9/20/15	0.42762	0.7906
E28	Ellensburg 2015	0.42132	9/11/15	0.42918	9/19/15	0.42731	0.7621
E53	Ellensburg 2015	0.42413	9/18/15	0.42921	9/26/15	0.42816	0.7933
EBL063	Ellensburg 2018	0.42595	9/14/18	0.43291	9/22/18	0.43130	0.7687
EBL053	Ellensburg 2018	0.44428	9/13/18	0.44954	9/21/18	0.44843	0.7890
EBL025	Ellensburg 2018	0.46772	9/12/18	0.47554	9/20/18	0.47381	0.7788
EBL060	Ellensburg 2018	0.44459	9/13/18	0.44792	9/21/18	0.44669	0.6306
EBL058	Ellensburg 2018	0.46822	9/13/18	0.47409	9/21/18	0.47275	0.7717
EBL107	Ellensburg 2018	0.42322	9/17/18	0.42928	9/25/18	0.42757	0.7178
EBL103	Ellensburg 2018	0.42289	9/17/18	0.43106	9/25/18	0.42861	0.7001

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EBL071	Ellensburg 2018	0.42808	9/14/18	0.43272	9/22/18	0.43159	0.7565
EBL102	Ellensburg 2018	0.44435	9/17/18	0.45239	9/25/18	0.45005	0.7090
EBL052	Ellensburg 2018	0.42248	9/13/18	0.43054	9/21/18	0.42886	0.7916
EBL088	Ellensburg 2018	0.44435	9/14/18	0.45132	9/22/18	0.44986	0.7905
EBL104	Ellensburg 2018	0.42377	9/17/18	0.43318	9/25/18	0.43067	0.7333
Q1543	Elma	0.47985	9/14/20	0.48560	9/22/20	0.48426	0.7670
Q0422	Elma	0.47122	8/31/20	0.47755	9/8/20	0.47599	0.7536
Q1394	Elma	0.47941	9/11/20	0.48731	9/19/20	0.48471	0.6709
Q0791	Elma	0.47938	9/4/20	0.48693	9/12/20	0.48501	0.7457
Q0813	Elma	0.47583	9/6/20	0.48147	9/14/20	0.48011	0.7589
Q1391	Elma	0.47739	9/11/20	0.48473	9/19/20	0.48276	0.7316
Q1544	Elma	0.47547	9/14/20	0.47920	9/22/20	0.47819	0.7292
Q1443	Elma	0.47928	9/12/20	0.48452	9/20/20	0.48299	0.7080
Q1545	Elma	0.47881	9/14/20	0.48239	9/22/20	0.48150	0.7514
Q1516	Elma	0.47916	9/13/20	0.48276	9/21/20	0.48175	0.7194
Q1518	Elma	0.47243	9/13/20	0.47605	9/21/20	0.47496	0.6989
Q1335	Elma	0.47814	9/10/20	0.48638	9/18/20	0.48379	0.6857
Q1484	Gold Bar	0.47614	9/12/20	0.48011	9/20/20	0.47913	0.7531
Q0397	Gold Bar	0.47344	8/31/20	0.47632	9/8/20	0.47542	0.6875
Q0340	Gold Bar	0.46753	8/30/20	0.47371	9/7/20	0.47197	0.7184
Q0102	Gold Bar	0.47266	8/26/20	0.47740	9/3/20	0.47639	0.7869
Q0263	Gold Bar	0.47420	8/29/20	0.47990	9/6/20	0.47870	0.7895
Q0113	Gold Bar	0.47347	8/26/20	0.47756	9/3/20	0.47628	0.6870
Q1377	Gold Bar	0.47909	9/11/20	0.48481	9/19/20	0.48306	0.6941
Q0112	Gold Bar	0.46841	8/26/20	0.47415	9/3/20	0.47244	0.7021
Q1422	Gold Bar	0.47869	9/12/20	0.48262	9/20/20	0.48132	0.6692
Q0682	Gold Bar	0.47455	9/3/20	0.47924	9/11/20	0.47764	0.6588
Q0261	Gold Bar	0.47060	8/29/20	0.47550	9/6/20	0.47417	0.7286
Q0104	Gold Bar	0.47419	8/26/20	0.48046	9/3/20	0.47903	0.7719
Q0553	Goldendale	0.46619	9/2/20	0.47336	9/10/20	0.47155	0.7476
Q1420	Goldendale	0.47865	9/11/20	0.48226	9/19/20	0.48124	0.7175
Q1431	Goldendale	0.47743	9/12/20	0.48378	9/20/20	0.48224	0.7575
Q1157	Goldendale	0.47953	9/7/20	0.48522	9/15/20	0.48381	0.7522
Q0570	Goldendale	0.47541	9/2/20	0.47932	9/10/20	0.47778	0.6061
Q1024	Goldendale	0.47439	9/5/20	0.47784	9/13/20	0.47691	0.7304
Q1499	Goldendale	0.47636	9/12/20	0.48275	9/20/20	0.48165	0.8279
Q0721	Goldendale	0.47571	9/3/20	0.47957	9/11/20	0.47879	0.7979
Q1169	Goldendale	0.48033	9/7/20	0.48463	9/15/20	0.48377	0.8000
Q1152	Goldendale	0.47616	9/7/20	0.48084	9/15/20	0.47981	0.7799
Q0562	Goldendale	0.47223	9/2/20	0.47859	9/10/20	0.47694	0.7406
Q1429	Goldendale	0.47667	9/12/20	0.48075	9/20/20	0.47966	0.7328
HRL093	Hood River	0.41905	8/15/18	0.42367	8/23/18	0.42255	0.7576
HRL172	Hood River	0.41882	8/16/18	0.42410	8/24/18	0.42300	0.7917
HRL143	Hood River	0.42743	8/16/18	0.43384	8/24/18	0.43187	0.6927
HRL180	Hood River	0.42717	8/17/18	0.43257	8/25/18	0.43120	0.7463
HRL218	Hood River	0.42354	8/18/18	0.42898	8/26/18	0.42731	0.6930
HRL031	Hood River	0.42627	8/14/18	0.43296	8/22/18	0.43140	0.7668
HRL231	Hood River	0.44285	8/18/18	0.44625	8/26/18	0.44494	0.6147

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR
HRL186	Hood River	0.42700	8/17/18	0.43243	8/25/18	0.43102	0.7403
HRL195	Hood River	0.42335	8/17/18	0.42707	8/25/18	0.42629	0.7903
HRL055	Hood River	0.42327	8/14/18	0.42818	8/22/18	0.42682	0.7230
HRL037	Hood River	0.41990	8/14/18	0.42487	8/22/18	0.42357	0.7384
HRL110	Hood River	0.42779	8/15/18	0.43423	8/23/18	0.43246	0.7252
Q1612	Humptulips	0.47649	9/20/20	0.48481	9/28/20	0.48271	0.7476
Q1487	Humptulips	0.48535	9/12/20	0.48889	9/20/20	0.48769	0.6610
Q1016	Humptulips	0.47900	9/5/20	0.48516	9/13/20	0.48323	0.6867
Q1539	Humptulips	0.47850	9/14/20	0.48635	9/22/20	0.48423	0.7299
Q1445	Humptulips	0.47891	9/12/20	0.48729	9/20/20	0.48412	0.6217
Q1538	Humptulips	0.47653	9/14/20	0.48330	9/22/20	0.48143	0.7238
Q1388	Humptulips	0.48029	9/11/20	0.48402	9/19/20	0.48254	0.6032
Q1512	Humptulips	0.47620	9/13/20	0.48288	9/21/20	0.48082	0.6916
Q1613	Humptulips	0.47946	9/20/20	0.48427	9/28/20	0.48295	0.7256
Q1328	Humptulips	0.48008	9/10/20	0.48764	9/18/20	0.48569	0.7421
Q1536	Humptulips	0.47936	9/14/20	0.48933	9/22/20	0.48605	0.6710
Q0856	Humptulips	0.47698	9/4/20	0.48585	9/12/20	0.48349	0.7339
IQL060	Issaquah	0.42504	9/10/18	0.42977	9/18/18	0.42851	0.7336
IQL040	Issaquah	0.45048	9/9/18	0.45506	9/17/18	0.45372	0.7074
IQL015	Issaquah	0.42177	9/8/18	0.42726	9/16/18	0.42571	0.7177
IQL016	Issaquah	0.42163	9/8/18	0.42706	9/16/18	0.42557	0.7256
IQL066	Issaquah	0.42781	9/10/18	0.43345	9/18/18	0.43219	0.7766
IQL076	Issaquah	0.42156	9/11/18	0.42664	9/19/18	0.42517	0.7106
IQL026	Issaquah	0.42374	9/9/18	0.42752	9/17/18	0.42648	0.7249
IQL077	Issaquah	0.42264	9/11/18	0.42921	9/19/18	0.42738	0.7215
IQL008	Issaquah	0.42490	9/8/18	0.43122	9/16/18	0.42953	0.7326
IQL032	Issaquah	0.42385	9/9/18	0.43013	9/17/18	0.42826	0.7022
IQL078	Issaquah	0.42261	9/11/18	0.42810	9/19/18	0.42649	0.7067
IQL087	Issaquah	0.45592	9/11/18	0.46274	9/19/18	0.46110	0.7595
KVL082	Kettle Valley	0.42200	8/11/17	0.42875	8/19/17	0.42728	0.7822
KVL088	Kettle Valley	0.41821	8/11/17	0.42624	8/19/17	0.42451	0.7846
KVL083	Kettle Valley	0.41950	8/11/17	0.42767	8/19/17	0.42577	0.7674
KVL096	Kettle Valley	0.42473	8/12/17	0.43426	8/20/17	0.43193	0.7555
KVL099	Kettle Valley	0.41803	8/12/17	0.42342	8/20/17	0.42215	0.7644
KVL097	Kettle Valley	0.41833	8/12/17	0.42233	8/20/17	0.42148	0.7875
KVL094	Kettle Valley	0.41882	8/12/17	0.42694	8/20/17	0.42501	0.7623
KVL091	Kettle Valley	0.42283	8/11/17	0.42948	8/19/17	0.42783	0.7519
KVL093	Kettle Valley	0.42491	8/12/17	0.43115	8/20/17	0.42968	0.7644
KVL095	Kettle Valley	0.42652	8/12/17	0.43254	8/20/17	0.43120	0.7774
KVL098	Kettle Valley	0.41851	8/12/17	0.42617	8/20/17	0.42450	0.7820
KVL092	Kettle Valley	0.42191	8/12/17	0.42782	8/20/17	0.42626	0.7360
LGL010	LaGrande	0.42584	8/18/18	0.42883	8/26/18	0.42781	0.6589
LGL007	LaGrande	0.42405	8/16/18	0.42907	8/24/18	0.42757	0.7012
LGL003	LaGrande	0.41691	8/15/18	0.42073	8/23/18	0.41982	0.7618
LGL015	LaGrande	0.42276	8/20/18	0.42768	8/28/18	0.42646	0.7520
LGL014	LaGrande	0.42342	8/20/18	0.42898	8/28/18	0.42756	0.7446
LGL013	LaGrande	0.42034	8/19/18	0.42319	8/27/18	0.42225	0.6702
LGL008	LaGrande	0.42001	8/16/18	0.42636	8/24/18	0.42476	0.7480

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR
LGL002	LaGrande	0.42599	8/14/18	0.43358	8/22/18	0.43181	0.7668
LGL004	LaGrande	0.41941	8/15/18	0.42300	8/23/18	0.42213	0.7577
LGL016	LaGrande	0.41810	8/21/18	0.42252	8/29/18	0.42155	0.7805
LGL011	LaGrande	0.42779	8/18/18	0.43321	8/26/18	0.43174	0.7288
LGL001	LaGrande	0.41846	8/14/18	0.42552	8/22/18	0.42361	0.7295
LVL025	Leavenworth 2017	0.43007	9/2/17	0.43635	9/10/17	0.43506	0.7946
LVL077	Leavenworth 2017	0.41709	9/5/17	0.41986	9/13/17	0.41912	0.7329
LVL095	Leavenworth 2017	0.42275	9/6/17	0.42950	9/14/17	0.42792	0.7659
LVL068	Leavenworth 2017	0.42416	9/4/17	0.42886	9/12/17	0.42803	0.8234
LVL043	Leavenworth 2017	0.42753	9/3/17	0.43115	9/11/17	0.43030	0.7652
LVL091	Leavenworth 2017	0.41919	9/6/17	0.42584	9/14/17	0.42412	0.7414
LVL083	Leavenworth 2017	0.42697	9/6/17	0.43190	9/14/17	0.43041	0.6978
LVL018	Leavenworth 2017	0.42026	9/1/17	0.42585	9/9/17	0.42441	0.7424
LVL076	Leavenworth 2017	0.41874	9/5/17	0.42567	9/13/17	0.42415	0.7807
LVL069	Leavenworth 2017	0.42628	9/5/17	0.43109	9/13/17	0.42955	0.6798
LVL020	Leavenworth 2017	0.42286	9/1/17	0.42783	9/9/17	0.42641	0.7143
LVL074	Leavenworth 2017	0.42991	9/5/17	0.43668	9/13/17	0.43428	0.6455
Y242	Leavenworth 2019	0.42324	9/10/19	0.43045	9/18/19	0.42876	0.7656
Y144	Leavenworth 2019	0.41895	9/6/19	0.42573	9/14/19	0.42317	0.6224
Y179	Leavenworth 2019	0.44498	9/8/19	0.45120	9/16/19	0.44985	0.7830
Y199	Leavenworth 2019	0.41928	9/9/19	0.42394	9/17/19	0.42297	0.7918
Y293	Leavenworth 2019	0.42289	9/11/19	0.42801	9/19/19	0.42651	0.7070
Y202	Leavenworth 2019	0.42297	9/9/19	0.42821	9/17/19	0.42670	0.7120
Y281	Leavenworth 2019	0.46884	9/11/19	0.47541	9/19/19	0.47367	0.7352
Y251	Leavenworth 2019	0.42208	9/10/19	0.42750	9/18/19	0.42581	0.6882
Y289	Leavenworth 2019	0.42319	9/11/19	0.42780	9/19/19	0.42663	0.7462
Y727	Leavenworth 2019	0.42075	9/20/19	0.42632	9/28/19	0.42510	0.7810
Y292	Leavenworth 2019	0.42314	9/11/19	0.42893	9/19/19	0.42753	0.7582
Y178	Leavenworth 2019	0.45645	9/8/19	0.46208	9/16/19	0.46085	0.7815
Q0937	Metaline Falls	0.47607	9/5/20	0.48379	9/13/20	0.48180	0.7422
Q1082	Metaline Falls	0.47860	9/6/20	0.48478	9/14/20	0.48341	0.7783
Q0861	Metaline Falls	0.48037	9/4/20	0.48977	9/12/20	0.48736	0.7436
Q0642	Metaline Falls	0.47208	9/3/20	0.47773	9/11/20	0.47646	0.7752
Q0876	Metaline Falls	0.47495	9/4/20	0.48038	9/12/20	0.47890	0.7274
Q0448	Metaline Falls	0.47218	9/1/20	0.47483	9/9/20	0.47396	0.6717
Q1089	Metaline Falls	0.47685	9/6/20	0.48165	9/14/20	0.48048	0.7563
Q0641	Metaline Falls	0.47467	9/3/20	0.48138	9/11/20	0.47974	0.7556
Q1078	Metaline Falls	0.47865	9/6/20	0.48519	9/14/20	0.48375	0.7798
Q0638	Metaline Falls	0.46908	9/3/20	0.47459	9/11/20	0.47327	0.7604
Q0452	Metaline Falls	0.46782	9/1/20	0.47357	9/9/20	0.47212	0.7478
Q0200	Metaline Falls	0.47361	8/28/20	0.47818	9/5/20	0.47687	0.7133
Q0033	Nason Creek	0.47236	8/25/20	0.47962	9/2/20	0.47802	0.7796
Q0100	Nason Creek	0.47544	8/26/20	0.48198	9/3/20	0.48002	0.7003
Q0050	Nason Creek	0.47133	8/25/20	0.47789	9/2/20	0.47641	0.7744
Q0227	Nason Creek	0.47320	8/28/20	0.47954	9/5/20	0.47805	0.7650
Q0092	Nason Creek	0.47252	8/26/20	0.47886	9/3/20	0.47681	0.6767
Q0028	Nason Creek	0.41791	8/25/20	0.42141	9/2/20	0.42081	0.8286
Q0218	Nason Creek	0.47560	8/28/20	0.48122	9/5/20	0.47979	0.7456

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR
Q0221	Nason Creek	0.46866	8/28/20	0.47648	9/5/20	0.47438	0.7315
Q0042	Nason Creek	0.47071	8/25/20	0.47640	9/2/20	0.47494	0.7434
Q0035	Nason Creek	0.47254	8/25/20	0.47853	9/2/20	0.47696	0.7379
Q0212	Nason Creek	0.46832	8/28/20	0.47358	9/5/20	0.47184	0.6692
Q0280	Nason Creek	0.46809	8/29/20	0.47278	9/6/20	0.47144	0.7143
OZL065	Ozette	0.45613	9/14/18	0.46007	9/22/18	0.45915	0.7665
OZL087	Ozette	0.42113	9/16/18	0.42461	9/24/18	0.42368	0.7328
OZL009	Ozette	0.42343	9/8/18	0.42880	9/16/18	0.42745	0.7486
OZL086	Ozette	0.42299	9/16/18	0.42636	9/24/18	0.42550	0.7448
OZL075	Ozette	0.41947	9/14/18	0.42462	9/22/18	0.42342	0.7670
OZL098	Ozette	0.42355	9/17/18	0.42944	9/25/18	0.42755	0.6791
OZL088	Ozette	0.42405	9/16/18	0.42797	9/24/18	0.42685	0.7143
OZL010	Ozette	0.45021	9/8/18	0.45615	9/16/18	0.45459	0.7374
OZL074	Ozette	0.44404	9/14/18	0.44896	9/22/18	0.44766	0.7358
OZL042	Ozette	0.42794	9/12/18	0.43359	9/20/18	0.43214	0.7434
OZL023	Ozette	0.42561	9/9/18	0.43229	9/17/18	0.43035	0.7096
OZL049	Ozette	0.42239	9/12/18	0.42579	9/20/18	0.42474	0.6912
PDL127	Pendleton	0.42387	8/17/18	0.42986	8/25/18	0.42832	0.7429
PDL086	Pendleton	0.44379	8/16/18	0.45016	8/24/18	0.44850	0.7394
PDL141	Pendleton	0.42131	8/17/18	0.43076	8/25/18	0.42804	0.7122
PDL170	Pendleton	0.42427	8/18/18	0.43171	8/26/18	0.42956	0.7110
PDL158	Pendleton	0.42306	8/17/18	0.42969	8/25/18	0.42792	0.7330
PDL097	Pendleton	0.42567	8/16/18	0.43217	8/24/18	0.43070	0.7738
PDL025	Pendleton	0.42242	8/14/18	0.42916	8/22/18	0.42737	0.7344
PDL029	Pendleton	0.42163	8/14/18	0.42905	8/22/18	0.42726	0.7588
PDL100	Pendleton	0.42425	8/16/18	0.43048	8/24/18	0.42894	0.7528
PDL182	Pendleton	0.44271	8/18/18	0.44766	8/26/18	0.44577	0.6182
PDL133	Pendleton	0.42726	8/17/18	0.43627	8/25/18	0.43424	0.7747
PDL117	Pendleton	0.42311	8/16/18	0.43049	8/24/18	0.42858	0.7412
POL069	Portland	0.41666	8/17/17	0.42366	8/25/17	0.42187	0.7443
POL050	Portland	0.42715	8/16/17	0.43424	8/24/17	0.43243	0.7447
POL021	Portland	0.42427	8/14/17	0.42968	8/22/17	0.42804	0.6969
POL053	Portland	0.42360	8/16/17	0.42818	8/24/17	0.42692	0.7249
POL029	Portland	0.42329	8/15/16	0.42945	8/23/17	0.42811	0.7825
POL009	Portland	0.42289	8/13/17	0.42813	8/21/17	0.42668	0.7233
POL026	Portland	0.42115	8/15/16	0.42719	8/23/17	0.42533	0.6921
POL016	Portland	0.41879	8/14/17	0.42340	8/22/17	0.42202	0.7007
POL020	Portland	0.41872	8/14/17	0.42506	8/22/17	0.42296	0.6688
POL006	Portland	0.42333	8/13/17	0.42909	8/21/17	0.42766	0.7517
POL007	Portland	0.41913	8/13/17	0.42527	8/21/17	0.42288	0.6107
POL017	Portland	0.42398	8/14/17	0.42952	8/22/17	0.42813	0.7491
PTL016	Port Townsend	0.42554	9/9/18	0.43321	9/17/18	0.43152	0.7797
PTL002	Port Townsend	0.42323	9/7/18	0.43130	9/15/18	0.42906	0.7224
PTL021	Port Townsend	0.42391	9/13/18	0.43046	9/21/18	0.42897	0.7725
PTL008	Port Townsend	0.44316	9/7/18	0.44859	9/15/18	0.44728	0.7587
PTL040	Port Townsend	0.46808	9/23/18	0.47167	10/1/18	0.47069	0.7270
PTL036	Port Townsend	0.42284	9/20/18	0.42972	9/28/18	0.42764	0.6977
PTL026	Port Townsend	0.42573	9/16/18	0.42851	9/24/18	0.42777	0.7338

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR
PTL037	Port Townsend	0.42251	9/22/18	0.42710	9/29/18	0.42649	0.8671
PTL009	Port Townsend	0.45042	9/8/18	0.45686	9/16/18	0.45523	0.7469
PTL042	Port Townsend	0.42125	9/24/18	0.42648	10/2/18	0.42532	0.7782
PTL006	Port Townsend	0.42513	9/7/18	0.42919	9/15/18	0.42822	0.7611
PTL019	Port Townsend	0.42502	9/11/18	0.43102	9/19/18	0.42965	0.7717
Q1029	Satus	0.47865	9/5/20	0.48520	9/13/20	0.48372	0.7740
Q1032	Satus	0.47608	9/5/20	0.48297	9/13/20	0.48098	0.7112
Q0603	Satus	0.47121	9/2/20	0.47534	9/10/20	0.47432	0.7530
Q0582	Satus	0.47246	9/2/20	0.47793	9/10/20	0.47626	0.6947
Q1035	Satus	0.47388	9/5/20	0.47830	9/13/20	0.47702	0.7104
Q1096	Satus	0.47858	9/7/20	0.48434	9/15/20	0.48214	0.6181
Q1100	Satus	0.47261	9/7/20	0.47957	9/15/20	0.47779	0.7443
Q0703	Satus	0.47089	9/3/20	0.47511	9/11/20	0.47414	0.7701
Q0617	Satus	0.47580	9/2/20	0.48073	9/10/20	0.47909	0.6673
Q0698	Satus	0.47138	9/3/20	0.47649	9/11/20	0.47535	0.7769
Q1489	Satus	0.47986	9/12/20	0.48462	9/20/20	0.48313	0.6870
Q1094	Satus	0.47653	9/7/20	0.48500	9/15/20	0.48271	0.7296
Q0766	Semiahmoo	0.47611	9/3/20	0.48263	9/11/20	0.48042	0.6610
Q1188	Semiahmoo	0.48003	9/7/20	0.48497	9/15/20	0.48305	0.6113
Q1502	Semiahmoo	0.47928	9/13/20	0.48362	9/21/20	0.48247	0.7350
Q0764	Semiahmoo	0.47763	9/3/20	0.48460	9/11/20	0.48272	0.7303
Q0844	Semiahmoo	0.47863	9/4/20	0.48374	9/12/20	0.48233	0.7241
Q1048	Semiahmoo	0.47698	9/6/20	0.48127	9/14/20	0.47956	0.6014
Q0845	Semiahmoo	0.47848	9/4/20	0.48354	9/12/20	0.48155	0.6067
Q1534	Semiahmoo	0.47893	9/14/20	0.48349	9/22/20	0.48215	0.7061
Q0348	Semiahmoo	0.47299	8/30/20	0.48013	9/7/20	0.47804	0.7073
Q0950	Semiahmoo	0.47350	9/5/20	0.48102	9/13/20	0.47916	0.7527
Q1194	Semiahmoo	0.47892	9/7/20	0.48203	9/15/20	0.48090	0.6367
Q1530	Semiahmoo	0.47868	9/14/20	0.48276	9/22/20	0.48119	0.6152
SCL015	Coupeville	0.42395	8/30/17	0.42953	9/7/17	0.42817	0.7563
SCL067	Coupeville	0.42064	9/1/17	0.42741	9/9/17	0.42538	0.7001
SCL035	Coupeville	0.42236	8/31/17	0.42787	9/8/17	0.42650	0.7514
SCL037	Coupeville	0.42006	8/31/17	0.42622	9/8/17	0.42462	0.7403
SCL095	Coupeville	0.42241	9/2/17	0.42940	9/10/17	0.42769	0.7554
SCL048	Coupeville	0.41901	9/1/17	0.42612	9/9/17	0.42445	0.7651
SCL100	Coupeville	0.42036	9/2/17	0.42626	9/10/17	0.42471	0.7373
SCL014	Coupeville	0.42056	8/30/17	0.42424	9/7/17	0.42386	0.8967
SCL059	Coupeville	0.42609	9/1/17	0.43168	9/9/17	0.43018	0.7317
SCL080	Coupeville	0.41825	9/1/17	0.42354	9/9/17	0.42261	0.8242
SCL076	Coupeville	0.41893	9/1/17	0.42429	9/9/17	0.42359	0.8694
SCL012	Coupeville	0.42318	8/30/17	0.43039	9/7/17	0.42895	0.8003
SNL021	Snoqualmie	0.42558	9/10/18	0.42979	9/18/18	0.42850	0.6936
SNL100	Snoqualmie	0.44420	9/14/18	0.44952	9/22/18	0.44806	0.7256
SNL052	Snoqualmie	0.42082	9/12/18	0.42662	9/20/18	0.42487	0.6983
SNL041	Snoqualmie	0.46761	9/11/18	0.47422	9/19/18	0.47234	0.7156
SNL026	Snoqualmie	0.42499	9/10/18	0.43133	9/18/18	0.42924	0.6703
SNL004	Snoqualmie	0.42257	9/9/18	0.42733	9/17/18	0.42586	0.6912
SNL003	Snoqualmie	0.42357	9/9/18	0.42947	9/17/18	0.42790	0.7339

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR
SNL094	Snoqualmie	0.42166	9/14/18	0.43072	9/22/18	0.42858	0.7638
SNL050	Snoqualmie	0.46765	9/12/18	0.47403	9/20/18	0.47228	0.7257
SNL077	Snoqualmie	0.42623	9/13/18	0.43165	9/21/18	0.43015	0.7232
SNL076	Snoqualmie	0.41840	9/13/18	0.42411	9/21/18	0.42268	0.7496
SNL096	Snoqualmie	0.41877	9/14/18	0.42416	9/22/18	0.42242	0.6772
Q0204	Steptoe Butte	0.47283	8/28/20	0.48042	9/5/20	0.47832	0.7233
Q0777	Steptoe Butte	0.47927	9/4/20	0.48342	9/12/20	0.48243	0.7614
Q0322	Steptoe Butte	0.47014	8/29/20	0.47707	9/6/20	0.47510	0.7157
Q1052	Steptoe Butte	0.48005	9/6/20	0.48587	9/14/20	0.48452	0.7680
Q0074	Steptoe Butte	0.47054	8/26/20	0.47665	9/3/20	0.47514	0.7529
Q0662	Steptoe Butte	0.46766	9/3/20	0.47406	9/11/20	0.47283	0.8078
Q0970	Steptoe Butte	0.47345	9/5/20	0.47876	9/13/20	0.47775	0.8098
Q0460	Steptoe Butte	0.46825	9/1/20	0.47620	9/9/20	0.47470	0.8113
Q0458	Steptoe Butte	0.47294	9/1/20	0.47589	9/9/20	0.47521	0.7695
Q0320	Steptoe Butte	0.47252	8/29/20	0.47864	9/6/20	0.47731	0.7827
Q1111	Steptoe Butte	0.47948	9/7/20	0.48526	9/15/20	0.48411	0.8010
Q0661	Steptoe Butte	0.47207	9/3/20	0.47545	9/11/20	0.47482	0.8136
Q1295	Trout Lake	0.47855	9/9/20	0.48490	9/17/20	0.48334	0.7543
Q1520	Trout Lake	0.47836	9/13/20	0.48500	9/21/20	0.48315	0.7214
Q0996	Trout Lake	0.47648	9/5/20	0.48265	9/13/20	0.48072	0.6872
Q0997	Trout Lake	0.47533	9/5/20	0.48322	9/13/20	0.48095	0.7123
Q1451	Trout Lake	0.48524	9/12/20	0.49121	9/20/20	0.48888	0.6097
Q1143	Trout Lake	0.47966	9/7/20	0.48602	9/15/20	0.48421	0.7154
Q0841	Trout Lake	0.47837	9/4/20	0.48665	9/12/20	0.48389	0.6667
Q1293	Trout Lake	0.47937	9/9/20	0.48631	9/17/20	0.48422	0.6988
Q1298	Trout Lake	0.47908	9/9/20	0.48467	9/17/20	0.48312	0.7227
Q1452	Trout Lake	0.47623	9/12/20	0.48309	9/20/20	0.48131	0.7405
Q1525	Trout Lake	0.47992	9/13/20	0.48393	9/21/20	0.48295	0.7556
Q0999	Trout Lake	0.47885	9/5/20	0.48494	9/13/20	0.48347	0.7586
UML099	Umtanum	0.41796	9/10/18	0.42459	9/18/18	0.42312	0.7783
UML094	Umtanum	0.42151	9/10/18	0.42985	9/18/18	0.42755	0.7242
UML057	Umtanum	0.46769	9/9/18	0.47411	9/17/18	0.47247	0.7445
UML072	Umtanum	0.46794	9/9/18	0.47385	9/17/18	0.47189	0.6684
UML030	Umtanum	0.45080	9/8/18	0.45796	9/16/18	0.45615	0.7472
UML080	Umtanum	0.42243	9/10/18	0.42901	9/18/18	0.42729	0.7386
UML005	Umtanum	0.42420	9/8/18	0.43208	9/16/18	0.43012	0.7513
UML025	Umtanum	0.44258	9/8/18	0.44934	9/16/18	0.44757	0.7382
UML092	Umtanum	0.42253	9/10/18	0.42995	9/18/18	0.42819	0.7628
UML026	Umtanum	0.42504	9/8/18	0.43034	9/16/18	0.42903	0.7528
UML060	Umtanum	0.46771	9/9/18	0.47323	9/17/18	0.47185	0.7500
UML017	Umtanum	0.42756	9/8/18	0.43588	9/16/18	0.43352	0.7163
VWL069	Vancouver	0.42638	8/15/18	0.43277	8/23/18	0.43139	0.7840
VWL017	Vancouver	0.42712	8/14/18	0.43414	8/22/18	0.43226	0.7322
VWL095	Vancouver	0.42388	8/16/18	0.42978	8/24/18	0.42835	0.7576
VWL123	Vancouver	0.42391	8/16/18	0.42892	8/24/18	0.42769	0.7545
VWL067	Vancouver	0.42664	8/15/18	0.43007	8/23/18	0.42924	0.7580
VWL176	Vancouver	0.42167	8/18/18	0.42579	8/26/18	0.42462	0.7165
VWL034	Vancouver	0.42586	8/14/18	0.43007	8/22/18	0.42894	0.7316

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR
VWL130	Vancouver	0.44282	8/16/18	0.44694	8/24/18	0.44587	0.7403
VWL153	Vancouver	0.42524	8/17/18	0.43017	8/25/18	0.42887	0.7363
VWL042	Vancouver	0.42308	8/14/18	0.42589	8/22/18	0.42521	0.7580
VWL088	Vancouver	0.42346	8/15/18	0.42759	8/23/18	0.42677	0.8015
VWL012	Vancouver	0.42013	8/14/18	0.42720	8/22/18	0.42560	0.7737
BL049	Whatcom	0.41990	8/9/17	0.42682	8/17/17	0.42510	0.7514
BL065	Whatcom	0.42106	8/10/17	0.42831	8/18/17	0.42651	0.7517
BL047	Whatcom	0.42320	8/9/17	0.42815	8/17/17	0.42676	0.7192
BL061	Whatcom	0.41981	8/10/17	0.42400	8/18/17	0.42239	0.6158
BL097	Whatcom	0.42020	8/13/17	0.42656	8/21/17	0.42484	0.7296
BL025	Whatcom	0.41857	8/7/17	0.42527	8/15/17	0.42304	0.6672
BL014	Whatcom	0.33137	8/5/17	0.33839	8/13/17	0.33661	0.7464
BL083	Whatcom	0.42302	8/11/17	0.42958	8/19/17	0.42753	0.6875
BL034	Whatcom	0.41869	8/8/17	0.42535	8/16/17	0.42347	0.7177
BL035	Whatcom	0.41746	8/8/17	0.42415	8/16/17	0.42248	0.7504
BL088	Whatcom	0.41802	8/12/17	0.42557	8/20/17	0.42364	0.7444
BL093	Whatcom	0.42361	8/12/17	0.42714	8/20/17	0.42584	0.6317
WIL048	Ebey's Landing	0.41828	9/2/17	0.42207	9/10/17	0.42099	0.7150
WIL050	Ebey's Landing	0.42682	9/2/17	0.43049	9/10/17	0.42961	0.7602
WIL049	Ebey's Landing	0.41772	9/2/17	0.42205	9/10/17	0.42113	0.7875
WIL036	Ebey's Landing	0.41864	9/1/17	0.42425	9/9/17	0.42280	0.7415
WIL085	Ebey's Landing	0.41804	9/4/17	0.42325	9/12/17	0.42201	0.7620
WIL040	Ebey's Landing	0.41807	9/1/17	0.42447	9/9/17	0.42267	0.7188
WIL001	Ebey's Landing	0.41859	8/29/17	0.42564	9/6/17	0.42385	0.7461
WIL055	Ebey's Landing	0.42992	9/2/17	0.43368	9/10/17	0.43287	0.7846
WIL081	Ebey's Landing	0.41853	9/3/17	0.42349	9/11/17	0.42241	0.7823
WIL052	Ebey's Landing	0.41982	9/2/17	0.42369	9/10/17	0.42232	0.6460
WIL056	Ebey's Landing	0.42048	9/2/17	0.42616	9/10/17	0.42491	0.7799
WIL042	Ebey's Landing	0.42688	9/1/17	0.43445	9/9/17	0.43260	0.7556
WL094	Winthrop	0.41922	8/12/17	0.42177	8/20/17	0.42079	0.6157
WL085	Winthrop	0.42875	8/12/17	0.43680	8/20/17	0.43493	0.7677
WL090	Winthrop	0.42297	8/12/17	0.42646	8/20/17	0.42546	0.7135
WL093	Winthrop	0.41749	8/12/17	0.42234	8/20/17	0.42114	0.7526
WL099	Winthrop	0.42871	8/12/17	0.43520	8/20/17	0.43349	0.7365
WL082	Winthrop	0.43074	8/12/17	0.43430	8/20/17	0.43337	0.7388
WL086	Winthrop	0.41916	8/12/17	0.42426	8/20/17	0.42318	0.7882
WL096	Winthrop	0.41933	8/12/17	0.42609	8/20/17	0.42434	0.7411
WL088	Winthrop	0.42776	8/12/17	0.43242	8/20/17	0.43141	0.7833
WL100	Winthrop	0.42371	8/12/17	0.42742	8/20/17	0.42693	0.8679
WL083	Winthrop	0.42037	8/12/17	0.42829	8/20/17	0.42634	0.7538
WL098	Winthrop	0.43014	8/12/17	0.43500	8/20/17	0.43353	0.6975
G71	Yakima	0.42606	9/15/15	0.43699	9/23/15	0.43451	0.7731
G38	Yakima	0.42414	9/11/15	0.42913	9/19/15	0.42773	0.7194
G47	Yakima	0.42066	9/11/15	0.42638	9/19/15	0.42535	0.8199
G22	Yakima	0.41975	9/10/15	0.42548	9/18/15	0.42422	0.7801
G54	Yakima	0.41887	9/12/15	0.42556	9/20/15	0.42422	0.7997
G20	Yakima	0.41882	9/10/15	0.42590	9/18/15	0.42445	0.7952
G58	Yakima	0.42089	9/12/15	0.42576	9/20/15	0.42453	0.7474

Sample	Location	Tube Weight	Day 0	Initial Weight	Day 8	Final Weight	PWR
G56	Yakima	0.42320	9/12/15	0.42833	9/20/15	0.42712	0.7641
G33	Yakima	0.42402	9/11/15	0.42900	9/19/15	0.42811	0.8213
G91	Yakima	0.42656	9/16/15	0.43403	9/24/15	0.43214	0.7470
G99	Yakima	0.42126	9/17/15	0.42749	9/25/15	0.42614	0.7833
G35	Yakima	0.41913	9/11/15	0.42469	9/19/15	0.42361	0.8058

Appendix Table 5. Tuning grid parameters and R packages used for each candidate model of mean PWR and bioclimatic predictors.

Algorithm	Package	Parameter 1	Parameter 2	Parameter 3	Parameter 4
		Layer 1	Layer 2	Layer 3	
Neural Network	neuralnet	1,3,5	1:3	3,5,7	
		# Terms Retained	Degree		
Multivariate Adaptive Regression Splines	earth	2:10	1:3		
		Mtry	Min. Node Size	Split Rule	
Random Forests	ranger	2:10	1:5	Variance	
		Interaction Depth	# Trees	Shrinkage	Min. Obs. in Node
Generalized Boosted Regressions	gbm	1:5	(1:50) × 50	0.01, 0.001	1