

Title: Penguin diet from space: Links between sea ice, Antarctic food webs, and population change

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Abstract:

Rapid environmental change poses a threat to Antarctic ecosystems. However, the spatial scale of Antarctica and its extreme environment have precluded a synoptic understanding of the links between environmental change and ecological responses. Combining tools from imaging spectroscopy, stable isotope analysis, and hierarchical statistical modeling, we developed a novel method to quantify Adélie penguin (*Pygoscelis adeliae*) diet from three decades of satellite imagery (1984–2013). Sea ice dynamics played a large role in regulating penguin diet across the species global range. Spatial variation in diet was additionally linked to sustained and pronounced changes in penguin abundance. This represents the first use of satellites to capture trophic dynamics at continental and decadal scales and highlights how environmental change might restructure Antarctic food webs.

Main Text:

There is concern that large-scale changes in temperature, along with concomitant shifts in sea ice dynamics, are fundamentally altering Antarctic ecosystem processes, with implications for Antarctic predators such as the iconic Adélie penguin (*Pygoscelis adeliae*). Penguins and other Antarctic predators rely on a relatively small number of key prey resources in the region (1) whose life history are intrinsically linked to sea ice (2, 3). The consequences of these changes for Antarctic food webs, however, are difficult to observe at large scales owing to the complexity and heterogeneous nature of these changes across the continent and the logistical difficulties associated with conducting research in polar regions.

Satellites provide an unprecedented opportunity to understand how Antarctic ecosystems are changing, both in terms of the physical environment (4) as well as the attendant changes for Antarctic wildlife (5–7). Adélie penguins represent a particular focus in this regard, as the dominant seabird predator in Antarctica, in terms of biomass, and a widely accepted sentinel of environmental change (8). These penguins produce large guano deposits at their breeding colonies that are readily identifiable in satellite imagery (9), the area of which is proportional to the number of breeding pairs (10). Adélie penguin diets are dominated by two prey types (krill [*Euphausia superba* and *E. crystallorophias*] and Antarctic silverfish [*Pleuragramma antarctica*]). Penguin diet composition has long been identified as a key ecological indicator, as it is both linked to penguin reproductive performance (11) and serves as an proxy for underlying Antarctic food web dynamics (12). Diet, however, varies both spatially and temporally and is logistically intensive to monitor. Fortunately, these two prey types (krill and fish) have distinct spectral properties (a generalized measure of color)(13, 14) which allows us to leverage the spectral signature of guano at breeding colonies as observed from satellites (15) to characterize penguin diet (Fig. 1).

A satellite-based approach to monitoring penguin diet at range-wide scales

Taking an interdisciplinary approach combining tools from imaging spectroscopy, remote sensing, stable isotope analysis, and hierarchical Bayesian modeling, we developed a novel method to quantify Adélie penguin diet over a 30-year span across the Antarctic continent from satellites (Methods). The basis for our model relied on dietary and spectral analyses of guano samples (Fig. S1) collected at penguin colonies to determine the trophic level at which penguins

were feeding. Dietary analyses were conducted using naturally occurring stable nitrogen isotope values ($\delta^{15}\text{N}$) (16) to provide a measure of the degree to which penguins were relying on krill (lower trophic level) vs. fish (higher trophic level), the two principal prey resources of this species during the breeding season (1) (Fig. 1). Using this model, in conjunction with nearly three decades of satellite imagery from across the Antarctic continent (Fig. S2), we quantified how penguin diet varies across space and time, in accordance with changes in sea ice dynamics (Figs. 1–3). We also assessed the link between penguin diet and long-term changes in penguin abundance, characterizing how changes in the physical environment have altered both large-scale Antarctic food web dynamics and population processes of predators.

Using multispectral imagery from three generations of Landsat satellites (Landsat 4, 5, 7), we quantified penguin diet at 119 Adélie penguin colonies over nearly the entirety of the species global population from 1984–2013 (Fig. 1). This represents the first use of satellite sensors to directly quantify animal diet, and the first study to link trophic dynamics to abiotic conditions at decadal, continental scales. In total, our datasets represented 1334 unique colony/year and 3938 colony/year/day combinations (Fig. S2). Our spectroscopic model predicts penguin diet relatively precisely ($R^2 = 0.45$) (Figs. 1, S3, Methods). Uncertainty in diet quantification was propagated to all downstream analyses using an ‘observation model’ within a flexible hierarchical Bayesian modeling framework (17). We use a Dietary Index (DI) to quantify relative differences in diet across space and time, with higher values associated with higher relative proportions of fish (higher trophic level) and lower values with higher relative proportions of krill (lower trophic level).

Sea ice dynamics structure Antarctic food webs

We found pronounced spatial differences in penguin diet across the continent, with higher relative proportions of krill consumed in West Antarctica, higher proportions of fish in East Antarctica, and a diet intermediate between these two extremes in the Ross Sea (Figs. 2A, S4). These patterns are consistent with limited data from individual colonies involving the analysis of stomach contents, stable isotopes, and guano DNA (1, 8, 18, 19). Both the area of continental shelf ($< 1000\text{m}$ depth) at each colony, thought to be one indicator of suitable krill habitat (20), and sea ice concentration were related to this spatial variation in penguin diet – greater shelf area (ζ_2 [Eq. 10] = -4.90, 89% CI: [-7.20, -2.66], $p(\zeta_2 > 0) = 0$; Fig. 2B) and increased sea ice (ζ_1

[Eq. 10] = 19.56, 89% CI: [6.22, 32.74], $p(\zeta_1 > 0) = 0.99$; Fig. 2C) were associated with more krill-centric diets.

Inter-annual variation in diet was strongly linked to temporal fluctuations in sea ice conditions. In years with more sea ice, penguin diet had higher proportions of fish at a given colony (μ_θ [Eq. 9] = 16.92, 89% CI: [14.13, 19.67], $p(\mu_\theta > 0) = 1$; Figs. 3B, S6) – that is, higher sea ice was associated with higher DI values. Sea ice explained a substantial portion of year-to-year variation in penguin diet ($R^2 = 0.73$). These results demonstrate a robust link between the abiotic environment and Antarctic food web dynamics and is consistent with the notion that lower sea ice is associated with reduced Antarctic silverfish abundance (3). This strong association suggests that large-scale shifts in Antarctic food webs are likely to result from changes in sea ice dynamics.

Antarctica has experienced large fluctuations in sea ice over the last half-century that have varied around the continent (21). During the focal period of this study (1985–2012), sea ice has either increased or remained stable in most regions (Fig. S7). However, in the past decade (2015–present), large-scale declines, including multiple record lows, have been observed (22, 23). Given the strong link between sea ice conditions and trophic dynamics demonstrated here, continued declines in sea ice projected through the end of the century (24) are likely to drive significant shifts in Antarctic food web processes, including a transition toward more krill-dominated diets for Adélie penguins across the continent.

These associations between sea ice and penguin diet were apparent even while accounting for dietary variation within years (25, 26). DI values changed in a non-linear manner across the breeding season, with more fish-centric diets observed during the pre-breeding period (November) (27) transitioning to more krill-centric diets by austral summer (January; generally the hatch phase of the breeding season (28)), followed by a return to more fish-centric diets later in the year (μ_{β_1} [Eq. 8] = -245.05, 89% CI: [-277.54, -213.40], $p(\mu_{\beta_1} > 0) = 0$; μ_{β_2} [Eq. 8] = 168.41, 89% CI: [146.20, 190.55], $p(\mu_{\beta_2} > 0) = 1$; Figs. 3A, S8). These patterns underscore the importance of considering time of year when assessing variation in Antarctic trophic dynamics, and highlight the value of temporally dense remote sensing data in understanding how environmental processes are regulating food web processes. Because guano is being continually deposited at colonies by penguins and changes in DI values reflect fresh guano accreted on top of earlier guano deposits, diet estimates from satellites integrate across time within the breeding

season. Despite the signal dampening effect inherent to the guano accumulation process, within-season variation was measurable and substantial. These seasonal dietary transitions likely reflect not only changes in the distribution of prey resources across the breeding season, but different constraints on foraging behavior resulting from nest attendance and chick provisioning duties (8).

Demographic consequences of food web dynamics for Adélie penguins

Given the importance of food web dynamics for population processes (29), we anticipated a link between penguin diet and penguin population trends. Long-term changes in Adélie penguin abundance vary across the Antarctic, with populations increasing in some regions, while declining and even undergoing local extinctions in other regions (30). Using previously published long-term population growth rates (30), we found that colonies with more krill-centric diets, have lower population growth rates (β_{μ_g} [Eq. 11] = 0.0007, 89% CI: [0.0003, 0.0011], $p(\beta_{\mu_g} > 0) = 1$; Fig. 4). While many factors contribute to penguin demographics, including the timing of seasonal environmental dynamics (31) and the effect that sea ice has on access to suitable foraging habitat (32–34), prey resources play a critical role (35).

Fish are thought to be a higher quality prey resource for Adélie penguins. Fish are more energy dense (36) and penguin chicks are generally both heavier and have higher survival rates when fed a more fish-centric diet (11). That some Adélie penguin populations (Fig. 2) feed mostly on krill is likely due to the limited availability of fish resources during the breeding season at these locations. This notion is supported by evidence suggesting declines of Antarctic silverfish from areas that exhibit krill-centric diets (e.g., the Western Antarctic Peninsula (WAP))(37, 38) and that penguin populations relied on fish to a much larger degree several thousand years ago in these same regions (39, 40). While krill populations have been the subject of intense study (41–43), the Antarctic silverfish, a critical component of Antarctic food webs, has received far less attention in the literature (11).

Where fish are largely unavailable, Adélie penguins must rely primarily on krill as they lack an alternative major prey option. However, krill are inherently patchy in their spatial distribution (more so than fish) with volatile fluctuations in abundance through time (44). Along the WAP, where penguin colonies exhibit more krill-centric diets and have experienced long-term population declines (30)(Figs. 2, S4), krill have both declined in overall abundance and shifted their spatial distribution (42). These changes are likely due to a combination of changing abiotic

conditions (42), extractive krill fishing efforts (45), and a dramatic rebound of previously exploited krill predators, principally fur seals and baleen whales, over the last several decades (46, 47). There is evidence that baleen whales in this region have recovered to the point where krill resources appear to be a limiting factor for whale population growth. This represents an end to the so-called ‘krill surplus’ (48) that has been thought to result from the reduction of krill predators following commercial sealing and whaling efforts (49).

Regional declines in Adélie penguin populations (30) are likely due to a reliance on krill (stemming from sea ice-driven declines in fish populations (3, 37, 38)) in combination with the increasingly limited availability of krill (50). This is supported by the fact that while not all Adélie penguin colonies that exhibit krill-centric diets have lower population growth rates (Fig. 4), those found on the WAP, where growing baleen whale (51) and gentoo penguin (*P. papua*) populations (52, 53) are increasing competition for krill, are generally in decline (30). Changes in the abiotic environment influence Antarctic food web dynamics not only via the suitability of the environment for prey resources of the Adélie penguin (3, 44), but also the abundance and distribution of other predators that compete for these resources (52, 54, 55).

Conclusions

Taking a novel approach leveraging the power of satellite sensors, we present the first continent-wide, 30-year reconstruction of Adélie penguin diet across more than 100 locations across the species’ range. This unprecedented integration of imaging spectroscopy, stable isotope analysis, satellite imagery, and hierarchical statistical modeling reveals strong and spatially consistent links between sea ice dynamics and Antarctic food webs, with substantial implications for our understanding of how Antarctic predators are responding to a changing world. While often considered one of the most pristine marine ecosystems on the planet (56), the Antarctic has experienced substantial change over the last century. Given the strong relationship between the abiotic environment and food web dynamics demonstrated here, projected long-term abiotic changes (57, 58) are likely to meaningfully restructure trophic interactions in this system into the future. The continued recovery of historically exploited species, including seals and whales (48), and the relatively new exploitation of resources in the region, including krill and fish (45, 55) also stand to play a substantial role in this regard, echoing concerns globally regarding how food webs are responding to ongoing change (59, 60)

From a methodological perspective, this work demonstrates the utility, and in some respects the necessity, of such a novel ‘big data’ approach to understanding the complex nature of the impacts of global change, where both abiotic change and the biotic responses to these changes can vary over space and time (61). Future advances in the capabilities of sensors, including those aboard satellites, as well as the statistical and computational tools to fully realize the potential of these large-scale data (62), stand to provide critical information at the necessary spatiotemporal scales to characterize how our world is changing into the future.

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469 Software: CY
470 Visualization: CY
471 Writing – original draft: CY
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473
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475

Data and materials availability: Data used to reproduce analyses for this study are archived on Dryad (DOI: 10.5281/zenodo.17409948). All code to reproduce analyses are freely available on GitHub (https://github.com/caseyyoungflesh/penguin_diet_from_space) and are archived on Zotero (DOI: 10.5281/zenodo.17363042). Raw sea ice data are available from the National Snow and Ice Data Center (DOI: 10.7265/efmz-2t65), bathymetry data are available from IBCSO (DOI: 10.1038/s41597-022-01366-7), Landsat data are available from the USGS EarthExplorer (<https://earthexplorer.usgs.gov/>).

Supplementary Materials

Materials and Methods

Figs. S1–S9

Tables S1–S2

References (63–87)

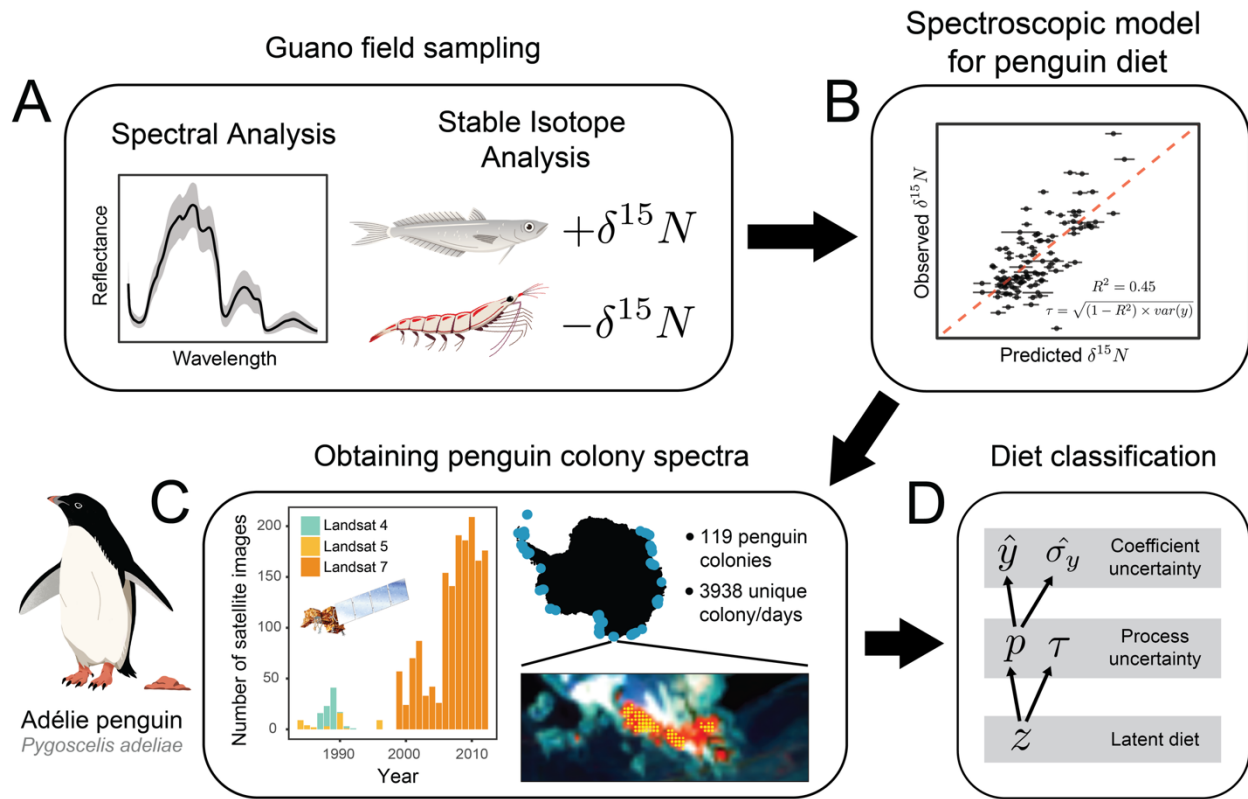


Fig. 1. Integrating approaches from multiple fields, we developed a novel analytical pipeline for quantifying the diet of Adélie penguins, the most numerous seabird in Antarctica, from satellites. A) We measured both the spectral reflectance and isotopic signatures of 103 guano samples collected at penguin colonies. Stable nitrogen isotope values ($\delta^{15}N$) indicated the trophic level at which birds were feeding with lower (-) values representing relatively more krill and higher (+) values, more fish. B) We built quantitative models to characterize penguin diet from guano spectra using lab-derived reflectance and stable isotope measurements. C) We applied an algorithmic approach (9) to the Landsat satellite imagery catalog from 1984–2013 to identify and obtain spectral information from guano covered pixels in Adélie penguin colonies across the species global range. D) Using the quantitative model from B we quantify penguin diet for all pixels identified in C. We used a hierarchical Bayesian approach to model how penguin diet varied over space and time, accounting for uncertainty in diet estimates due both to the model's process uncertainty (τ ; B) and uncertainty regarding the coefficients of that model [Eqs. 2–10]. Arrows represent parameter dependencies in the hierarchical model as a Directed Acyclic Graph.

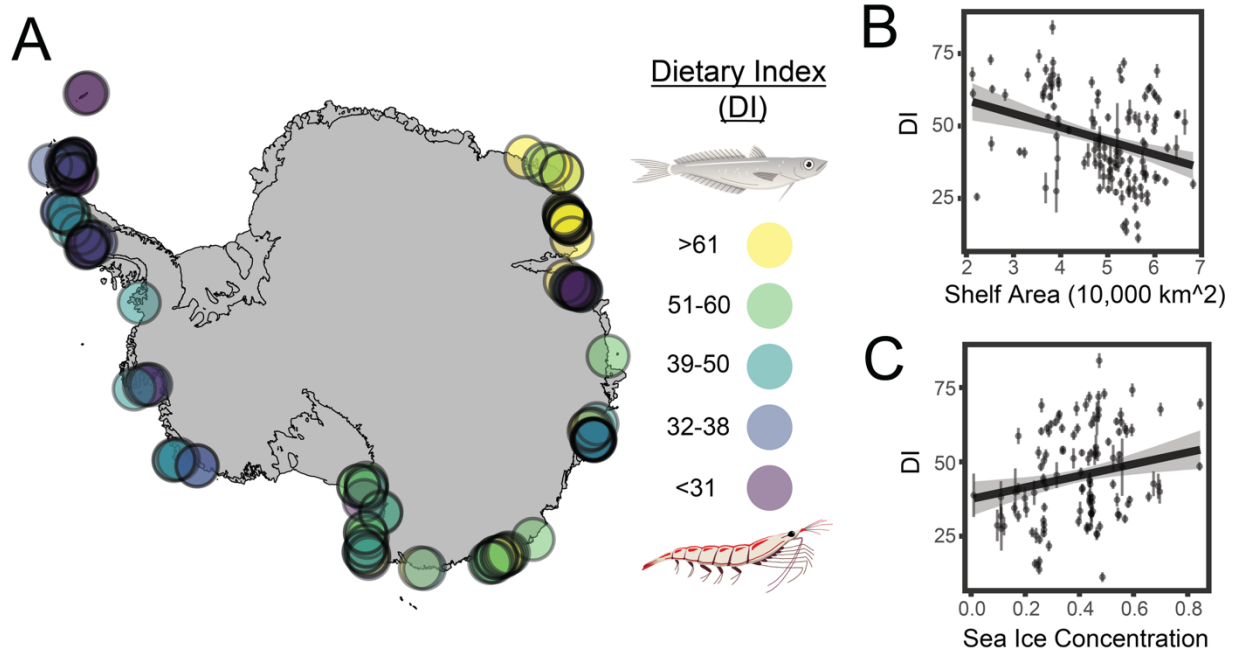


Fig. 2. Adélie penguin diet varies across its global range. A) We derived a Dietary Index (DI) that quantified the relative proportion of krill (lower trophic level) vs. fish (higher trophic level) in penguin diet. Each point represents an Adélie penguin (*Pygoscelis adeliae*) colony across Antarctica. Hue represents the estimated average diet at that colony – color ramp boundaries at the 0.2, 0.4, 0.6, and 0.8 quantiles. B) Colonies with greater shelf area, thought to be beneficial for krill production, have more krill-centric diets. C) Colonies with higher average sea ice concentration during the breeding season have more fish-centric diets. For both B and C, each point represents a colony. DI is represented as the posterior mean for the cross-year average at each colony. The thin vertical lines represent the uncertainty in diet (posterior standard deviation). The thick lines represent the model fit while the ribbons represent the uncertainty (89% CI) in that fit.

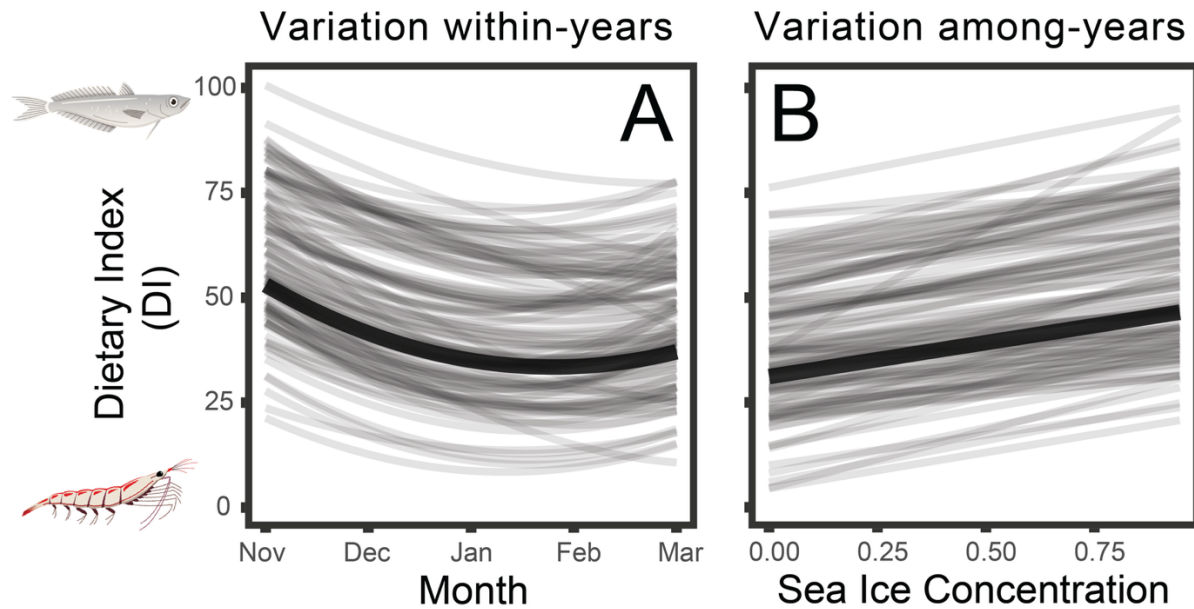


Fig. 3. Penguin diet varies with and across years. A) Penguin diet varies over the course of the breeding season, showing a concave up transition from more fish-centric to more krill-centric diets. Each transparent gray line is a colony while the thick black line represents the cross-colony trend – all colonies and years were modeled jointly in a hierarchical framework. B) Penguin diet is closely linked with sea ice conditions at these colonies. At a given colony, higher sea ice years were associated with more fish-centric diets. As in A, each line is a colony. The dark black line represents the cross-colony estimate.

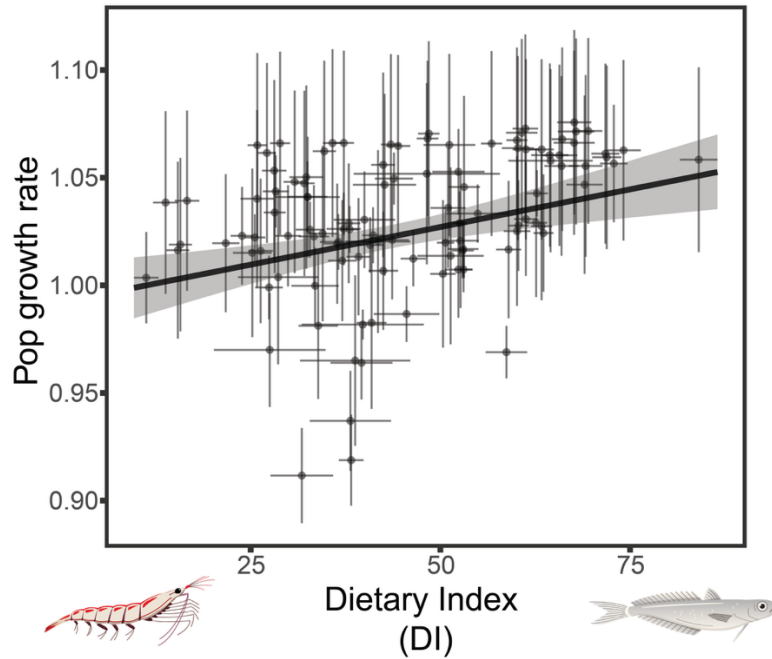


Fig. 4. Penguin diet is linked to long-term penguin population growth rates. Adélie penguin (*Pygoscelis adeliae*) colonies with more krill-centric diets generally have lower population growth rates. Each point represents a colony. Thin lines represent uncertainty in both population growth rates and diet (posterior standard deviation in each case). The thick black line represents the model fit while the gray ribbon represents the model uncertainty (89% CI).

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Penguin diet from space: Links between sea ice, Antarctic food webs, and population change

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Materials and Methods:

Quantifying the spectral and stable isotope properties of penguin guano

A total of 103 guano samples were collected from 16 unique *Pygoscelis* spp. penguin breeding colonies in the Antarctic Peninsula region during the 2014 and 2015 austral summers (Dec 4 – Dec 23; Table S1). During the breeding season, these penguins rely principally on a diet of krill (*Euphausia superba* and *E. crystallorophias*) and Antarctic silverfish (*Pleuragramma antarctica*) (1). Guano samples were derived from three penguin species in the genus *Pygoscelis* (Adélie penguin *P. adeliae*, gentoo penguin *P. papua*, and chinstrap penguin *P. antarctica*) to increase the dietary breadth of sampling as well as the total number of samples. While the Adélie penguin is the focus of this study, these closely related species have similar physiologies (63).

Samples were collected from the ground adjacent to penguin nests at each breeding colony and homogenized inside sampling bags before being spread evenly on wax paper in preparation for spectral analysis. Spectral properties of each guano sample were characterized by obtaining high spectral-resolution radiance measurements in laboratory environment using a full range (350 – 2500 nm) field-portable spectroradiometer (Analytical Spectral Devices FieldSpec 4) in a bench top configuration, with the fiber (with attached 18° optic) positioned at a 45° angle to the sample (Fig. S1). A full-spectrum light source (Analytical Spectral Devices Illuminator) illuminated samples for spectral analysis. Radiance values were taken from a Spectralon reference panel in the same configuration which were then used to calculate the spectral reflectance, as is common practice. Following spectral analysis, samples were dried in a commercial food dehydrator at 43° C for 10 hours and checked for desiccation.

Stable isotope analysis (SIA) was used to measure naturally occurring nitrogen stable isotope values ($\delta^{15}\text{N}$) in each dried guano sample. SIA is accepted as a robust, relatively low-cost,

minimally invasive way of quantifying predator diets, including *Pygoscelis* penguin spp. (40, 64, 65). $\delta^{15}\text{N}$ values are commonly used to indicate the trophic position of an organism's diet due to step-wise increase in tissue $\delta^{15}\text{N}$ values with each trophic level (66). For example, the two main prey taxa of *Pygoscelis* penguins, krill and fish, differ in trophic level and their respective $\delta^{15}\text{N}$ values (65). We used guano $\delta^{15}\text{N}$ values as a proxy of the relative contribution of krill vs. fish in penguin diets: lower $\delta^{15}\text{N}$ values reflect diets characterized by higher relative proportions of krill and higher $\delta^{15}\text{N}$ values reflect diets characterized by higher relative proportions of fish (Fig. 1A). While $\delta^{15}\text{N}$ values of the two species of krill these penguins feed on differs (*E. superba* having slightly lower $\delta^{15}\text{N}$ values compared to *E. crystallorophias*), we do not distinguish between them in this study – both have substantially lower $\delta^{15}\text{N}$ values compared to Antarctic silverfish (67). While isotopic values for a given organism (e.g., krill) can vary to a small degree around Antarctica (68), all guano samples for this study were collected from a single region of Antarctica. Moreover, these isoscapes are unlikely to impact the spectral properties of krill or fish in penguin guano. As such, our spectroscopic model (below) characterizes spatial differences in diet rather than isotopic variation across space. For stable isotope analysis, approximately 0.8 mg of dried guano was loaded into tin cups before being flash-combusted and analyzed for $\delta^{15}\text{N}$ through a Costech ECS4010 elemental analyzer coupled to a Thermo Delta V Plus continuous-flow stable isotope ratio mass spectrometer. Raw δ values were normalized using USGS-40 and USGS-41 standards. Sample precision based on repeated reference material was 0.2‰.

Spectroscopic model for penguin diet

The laboratory-obtained, high spectral-resolution reflectance measurements for each guano sample were convolved to the relevant spectral bands of the Landsat 4 TM, Landsat 5 TM, and

Landsat 7 ETM+ satellite-based sensors, spanning the visible, near infrared, and short-wave infrared portions of the electromagnetic spectrum,

$$\bar{\rho}_i = \frac{\int \rho_\lambda RSR_\lambda d\lambda}{\int RSR_\lambda d\lambda} [\text{Eq. 1}],$$

where $\bar{\rho}_i$ is the integrated average reflectance for band i , ρ_λ is the target spectral reflectance for band i measured at a given wavelength λ , and RSR_λ is the relative spectral response for band i measured at a given wavelength λ . We excluded data from newer Landsat sensors (i.e., Landsat 8 OLI and Landsat 9 OLI-2) as the spectral bandwidths differ from those of earlier sensors. These differences mean that creating a harmonized time series of dietary information across these era is non-trivial. For each sensor, there were six relevant spectral bands, blue, green, red, near infrared, and two short-wave infrared (Fig. S1). Convolved spectra represent how these satellite sensors observe the spectral reflectance of each guano sample. Spectral response curves (69), describing how the sensitivity of each sensor varies across wavelengths within each band, were used to perform each convolution. These were derived from the USGS Landsat website (<https://landsat.usgs.gov/spectral-characteristics-viewer>). While the differences in $\bar{\rho}_i$ for the spectral bands of Landsat 4 and 5 compared to Landsat 7 are typically small (<2% difference for most bands and differing by a maximum of 8% in only one case), we chose to build a classification model to predict penguin diet from spectral properties for each sensor independently to maximize the accuracy of dietary characterizations (70).

A partial least-squares regression (PLSR) modeling approach was implemented using the ‘pls’ package (71) in the R statistical environment (72) to characterize penguin diet as a function of the convolved spectra. This approach decomposes predictor variables (i.e., reflectance values) into a set of uncorrelated ‘principal components’, which are fit to predict a response variable

(i.e., penguin diet). This method is commonly used in the field of ecology to associate plant traits with spectral characteristics (73). For each sensor (Landsat 4 TM, Landsat 5 TM, and Landsat 7 ETM+) a cross-validation approach was taken to fit estimate PLSR coefficients, where in each of 1000 iterations, the data were split into training (65%) and validation sets (35%). This iterative approach was implemented to assess the stability and generalizability of the models and to accurately quantify uncertainty in predictions. Data were split using stratified sampling across 5 bins based on the quantiles of the $\delta^{15}\text{N}$ values, to ensure that data for each model was sampling across the entire range of values. At each iteration, model performance metrics, both the coefficient of determination (R^2) and the root mean squared error of prediction (RMSEP), were recorded for both the training and validation datasets (Fig. 1B). Coefficient estimates for each of the 1000 models were recorded to facilitate accurate accounting of uncertainty in downstream diet characterization from satellite imagery. The appropriate number of principal components (5) were selected by determining whether additional principal components significantly reduced the RMSEP statistic, as determined using a t-test (73)(Fig. S3).

Obtaining penguin colony spectra from Landsat

Top-of-atmosphere reflectance values were obtained for Adélie penguin breeding colonies using cloud-free satellite scenes (images) from the Landsat 4 TM, Landsat 5 TM, and Landsat 7 ETM+ satellite-based multispectral sensors (30 m spatial resolution) collected November–February (the Adélie penguin breeding season), from 1984–2013 (Fig. 1C). We use season year to refer a given breeding season year – for example the 1984 season year spans the November 1984 to February 1985. Pixels containing guano within Adélie colonies were identified from Landsat scenes using an algorithm developed by (9). During these time periods, daytime scenes were selected over

Antarctica (WRS row between 90 and 130) that were classified as either Tier 1 or 2, with an image quality rating of ≥ 5 and a sun elevation angle of ≥ 15 degrees. Table S2 provides a record of Landsat Product Identifiers associated with the satellite imagery used in this study. Landsat scenes were downloaded from the USGS Earth Explorer website using the USGS bulk downloader. Only colonies with an average size of at least 2 pixels were retained. In cases where other penguin species were known to breed at the same location, only colonies where at least 95% of the mean number of nests were Adélie penguin were retained. Number of nests (i.e., colony size) were obtained from the R package 'mappdr' (74). Spectral information was used from 119 penguin colonies, 1334 unique colony years, 3938 unique colony days, and 179,346 pixels identified as containing guano. Number of unique days per season ranged from 1 to 21, with 1 to 128 total captures for each site (Fig. 1C, S2). The spatial extent of this analysis represents nearly the entirety of both the species' global range and global population (10). While this methodology could be applied to any satellite-based or airborne sensor, the Landsat sensors were chosen based on the long time series and broad spatial extent that the data provide.

Penguin diet classification from satellite-observed reflectance

Using the above reflectance values and the estimated coefficients from the PLSR models, relative diet values were predicted for each Landsat pixel identified as Adélie penguin breeding colony. For each guano pixel, diet was predicted using the coefficients derived from each of the 1000 models from the cross validation PLSR approach. As such, each pixel had some estimate ($\hat{y}$), taken as the mean of these 1000 diet realizations, and some uncertainty, taken as the standard deviation of the 1000 diet realizations ($\widehat{\sigma_y}$) – this accounts for what might be consider the 'coefficient uncertainty' of the PLSR model (the degree to which uncertainty in the coefficient

estimates of the model contributes to uncertainty). Separately, we used the mean R^2 from the PLSR models to quantify the uncertainty derived from the model's performance. Rearranging the equation,

$$R^2 = 1 - \frac{\text{residual variance}}{\text{total variance}} \text{ [Eq. 2]},$$

we arrive at:

$$\text{residual variance} = (1 - R^2) \times \text{total variance} \text{ [Eq. 3]},$$

from which we calculate τ (a scalar), the square root of the residual variance (which could also be referred to as the process error or 'process uncertainty'). In this way, we account for two independent sources of uncertainty (coefficient uncertainty and process uncertainty) in these dietary characterizations (Fig. 1D). Using a hierarchical Bayesian approach, we propagate uncertainty throughout the entire analytical pipeline that we developed (17). This ensures that uncertainty in modeled outcomes do not unduly influence scientific inference and that uncertainty in this inference is quantified appropriately.

We estimated true, latent diet (z) for a given pixel (i), colony (j), day of season (k , where November 1 is 1 for a given season), and season year (m , where season year 2012 represents the 2012/2013 Adélie penguin breeding season) as normally distributed, while accounting for coefficient uncertainty ($\widehat{\sigma}_y$) and process uncertainty (τ), as,

$$\widehat{y_{ijk m}} \sim N(p_{ijk m}, \widehat{\sigma_{y_{ijk m}}}) \text{ [Eq. 4]}$$

$$p_{ijk m} \sim N(z_{ijk m}, \tau),$$

where p represent the intermediate latent diet, accounting for only coefficient uncertainty (Fig. 1D). These components of this hierarchical model are often referred to as measurement error

models used to account for uncertainty in observed states (75). Colony-, day of season-, and season year-specific diet (w) was estimated from pixel-level diet (z), with some variance within each colony, day of season, and season year (σ). Parameter w was itself modeled hierarchically, with some colony-specific mean μ_w and variance σ_w ,

$$z_{ijkm} \sim N(w_{jkm}, \sigma) \text{ [Eq. 5]}$$

$$w_{jkm} \sim N(\mu_{w_j}, \sigma_w).$$

We used posteriors iterations for w to derive a dietary index (DI) and associated uncertainty, characterizing the relative proportions of krill vs. fish in penguin diet. A modified min-max (i.e., linear) transformation was used to scale dietary values roughly between 0 and 100,

$$\frac{w - q_{0.1}}{q_{99.9} - q_{0.1}} \text{ [Eq. 6],}$$

where $q_{0.1}$ and $q_{99.9}$ represent the 0.1st and 99.9th quantiles, respectively. In this way, we obtained a posterior distribution for DI for each colony, day of season, and season year, where 99.8% of all posterior iterations for DI (i.e., for any colony, day of season, and season year) fell between 0 and 100. This transformation was used to provide a relative measure of diet across space and time, where DI values of 0 represent krill-centric diets and values of 100 represent fish-centric diets. While stable isotopes are often used to estimate absolute rather than relative diet (65), necessary diet-tissue discrimination factors (76) are unknown in this case. Prior studies, have observed Adélie penguin diet ranging from entirely krill to nearly entirely fish, though krill typically is found in some amount (I).

The effect of environmental variation on penguin diet

We then modeled the posterior mean ($\widehat{DI}$) and posterior standard deviation ($\widehat{\sigma_{DI}}$) of the dietary index for each colony (j), day of season (k), and season year (m), using an observation model to account for uncertainty, as above, as a function of day of season (DOS) to characterize how diet changes across a breeding season,

$$\widehat{DI}_{jkm} \sim N(v_{jkm}, \widehat{\sigma_{DI}}_{jkm}) \text{ [Eq. 7]}$$

$$v_{jkm} \sim N(\alpha_{jm} + \beta_{1j} \times DOS_{jkm} + \beta_{2j} \times DOS_{jkm}^2, \sigma_v)$$

where α represents the colony/year-specific intercept (diet when DOS is equal to 0), β_1 represents the colony-specific linear effect of day of season, β_2 represents the colony-specific quadratic effect of day of season, and σ_v represents the residual error at this level of the model. Day of season was centered, such that 0 corresponded to day 60 (December 30), the midpoint of the breeding season as it was monitored for this study. Variables DOS and DOS^2 represent the orthogonal polynomials, created with the “poly” function in R, as is typical for polynomial regression (77, 78). The day of season (DOS) effects were drawn from a multivariate normal,

$$\begin{bmatrix} \beta_{1j} \\ \beta_{2j} \end{bmatrix} \sim MVN \left(\begin{bmatrix} \mu_{\beta_1} \\ \mu_{\beta_2} \end{bmatrix}, \Sigma_{\beta} \right) \text{ [Eq. 8]},$$

where μ_{β_1} and μ_{β_2} represent the cross-colony mean effects and Σ_{β} represents the 2 x 2 covariance matrix. The colony/season year-specific intercept (i.e., colony/season year-specific relative diet), was modeled as a function of colony/season year-specific sea ice (YSIC),

$$\alpha_{jm} \sim N(\gamma_j + \theta_j \times YSIC_{jm}, \sigma_{\alpha}) \text{ [Eq. 9]}$$

$$\theta_j \sim N(\mu_{\theta}, \sigma_{\theta}),$$

where γ represents the site-specific intercept, and θ represents the effect of YSIC. Variable YSIC was centered for each colony, such that values of 0 represent mean sea ice conditions for that colony. Because of this, parameter γ represents colony-level diet under average sea ice conditions for that colony. Climate Data Record sea ice concentration data, obtained at 25 km spatial resolution from passive microwave satellite sensors, was accessed through the National Snow and Ice Data Center (79). YSIC was calculated as average sea ice from November–February a 150 km buffer, for each colony/season year. The ‘terra’ (80) and ‘sf’ (81) packages were used for raster manipulation and spatial data processing, while the ‘tidyverse’ family of packages (82) facilitated general data manipulation in R (72).

Colony-specific diet (γ) was modeled as a function of colony-specific sea ice (SSIC) and area of continental shelf (SA), to estimate the effect that these factors have on spatial variation in diet,

$$\gamma_j \sim N(\kappa + \zeta_1 \times SSIC_j + \zeta_2 \times SA_j, \sigma_\gamma) \text{ [Eq. 10]},$$

where κ is the cross-colony intercept, ζ_1 is the effect of SSIC, and ζ_2 is the effect of SA. In this framework, the effect of temporal variation in sea ice (Eq. 8) is decoupled from the effect of spatial variation in sea ice (Eq. 9). Colony-specific sea ice concentration data (SSIC) was derived by taking the average sea ice concentration within a 150 km buffer across the years of this study. This buffer is thought to be the maximum foraging range for the Adélie penguin (8). Area of continental shelf (SA) was defined as the area of ocean floor less than 1000m depth (83) within 150 km of colonies. Both have been suggested to play a role in the diet of Adélie penguins (1, 25).

Assessing links between long-term population growth rates and penguin diet

Finally, to quantify the association between penguin diet and population processes, we modeled estimates of the population growth rate multiplier at each Adélie penguin breeding colony (derived from (30)) were modeled as a function of colony-specific diet (γ ; Eq. 9). Population growth rate multipliers represent the average of the year-specific growth rates of each colony, estimated using count data aggregated from sources from around the continent from ‘mappdr’ (30, 74). As above, we use an observation model to account for the uncertainty in both the response and predictor variables. The posterior mean of each colony-specific population growth rate ($\widehat{g}$) was modeled as normally distributed, with some uncertainty, quantified as the posterior standard deviation of the multiplier ($\widehat{\sigma}_g$),

$$\widehat{g}_j \sim N(\mu_{g_j}, \widehat{\sigma}_{g_j}) \text{ [Eq. 11]}$$

$$\widehat{\gamma}_j \sim N(\xi_j, \widehat{\sigma}_{\gamma_j})$$

$$\xi_j \sim N(\mu_\xi, \sigma_\xi)$$

$$\mu_{g_j} \sim N(\alpha_{\mu_g} + \beta_{\mu_g} \times \xi_j, \sigma_{\mu_g})$$

where α_{μ_g} is the intercept and β_{μ_g} is the effect of average diet on long-term population growth rates.

Data processing and computation

We fit all hierarchical models with the R package ‘cmdstanr’ (84), which interfaces with Stan (85) in the R statistical computing language (72), using weakly informative priors for all parameters. We used the R package ‘MCMCvis’ (86) to manipulate, process, and visualize model

output. All parameters had $\hat{R}$ values ≤ 1.01 and number of effective samples > 400 , with no divergent transitions present. We used graphical posterior predictive checks to ensure no major model misspecification. The distribution of data generated from the model was similar to that of data used to fit the model (Fig. S9).

For each parameter, we report the posterior mean and 89% credible intervals. This choice of interval width, while arbitrary, was made to summarize parameter uncertainty without suggesting Bayesian credible intervals are equivalent to tests of statistical significance, as is commonly done using the 95% CI (87). Additionally, we report the probability that each parameter is positive, denoted as $p(\text{PARAMETER} > 0)$.

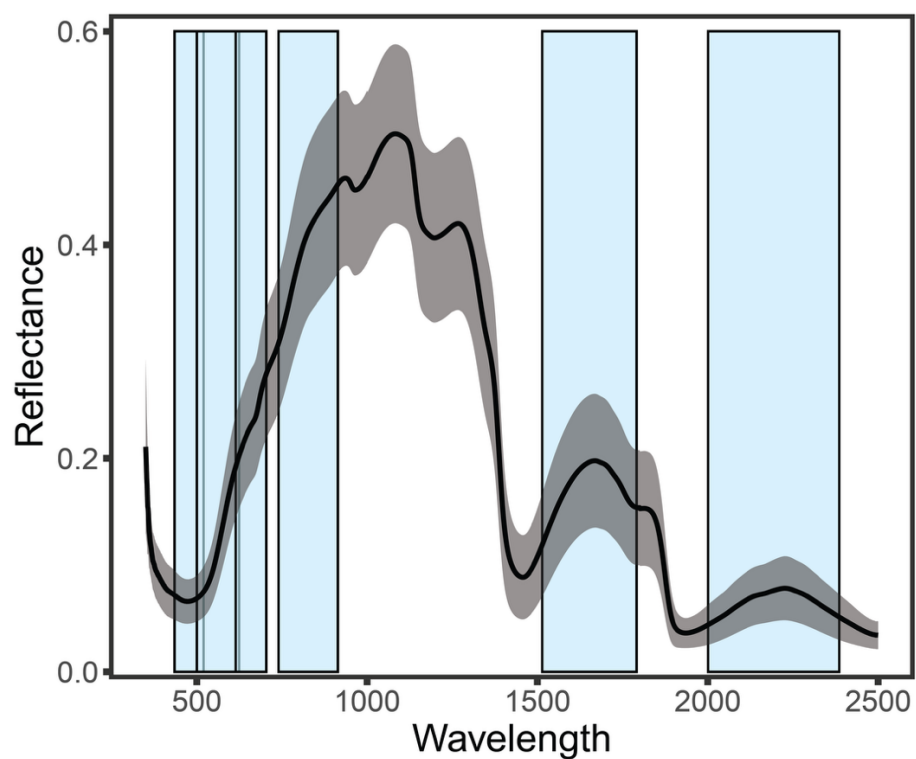


Fig. S1. Penguin guano reflectance as measured by an Analytical Spectral Devices field-portable spectrometer. The black line represents the mean spectral reflectance (the proportion of photons reflected off the surface of guano) at each wavelength, spanning the visible (blue, green, red), near infrared, short-wave infrared, and mid-infrared portions of the electromagnetic spectrum (from shortest to longest wavelengths). Blue windows illustrate the 6 relevant bands from the Landsat 7 ETM+ sensor.

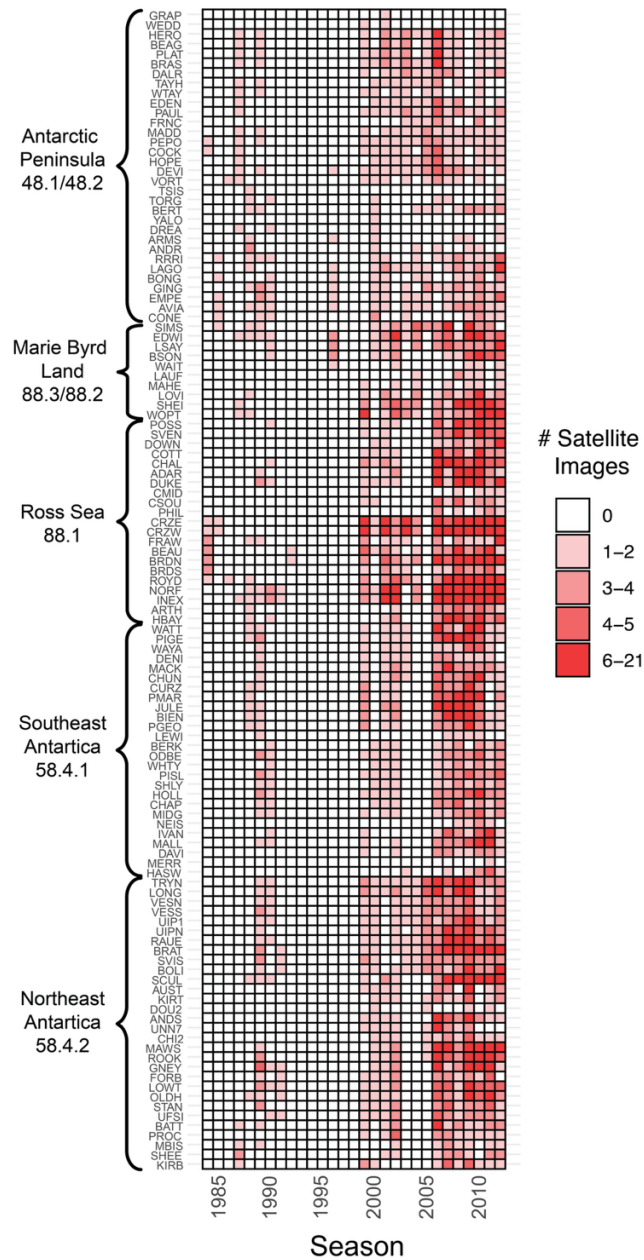
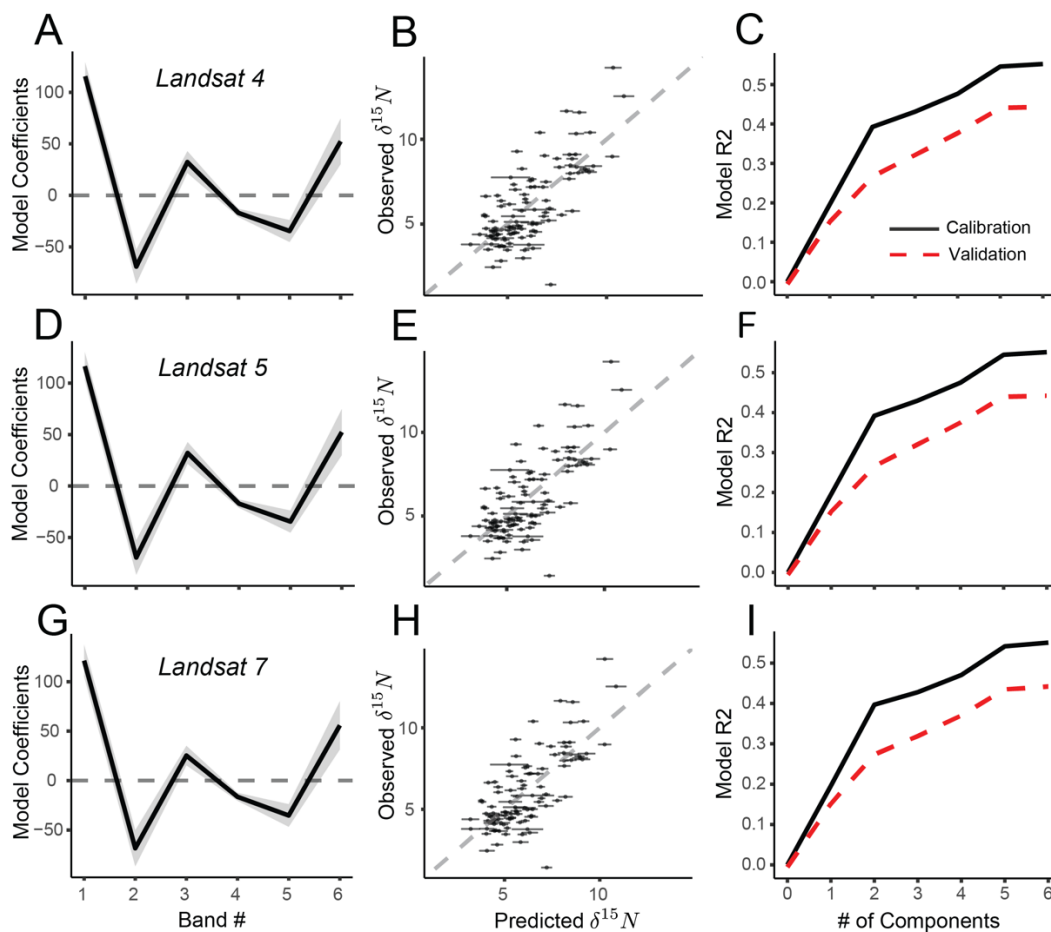


Fig. S2. Number of Landsat satellite images available for each site in each year. Red hues represent more images while white hues represent fewer images. Lettering along the y-axis represents the four character site IDs from the Antarctic Penguin Biogeography Project (74). Brackets separate different regions of Antarctica, while numbers refer to the Commission for the Conservation of Antarctic Marine Living Resources Statistical Areas (12).



263

264 **Fig. S3. Partial Least Squares Regression plots. Results are arranged by satellite in rows.**

265 **Landsat 4 (A, B, C), Landsat 5 (D, E, F), and Landsat 7 (G, H, I), from top to bottom.**

266 Columns represent coefficient plots, observed vs. predicted $\delta^{15}\text{N}$, and R^2 value for calibration

267 and validation datasets from left to right.

268

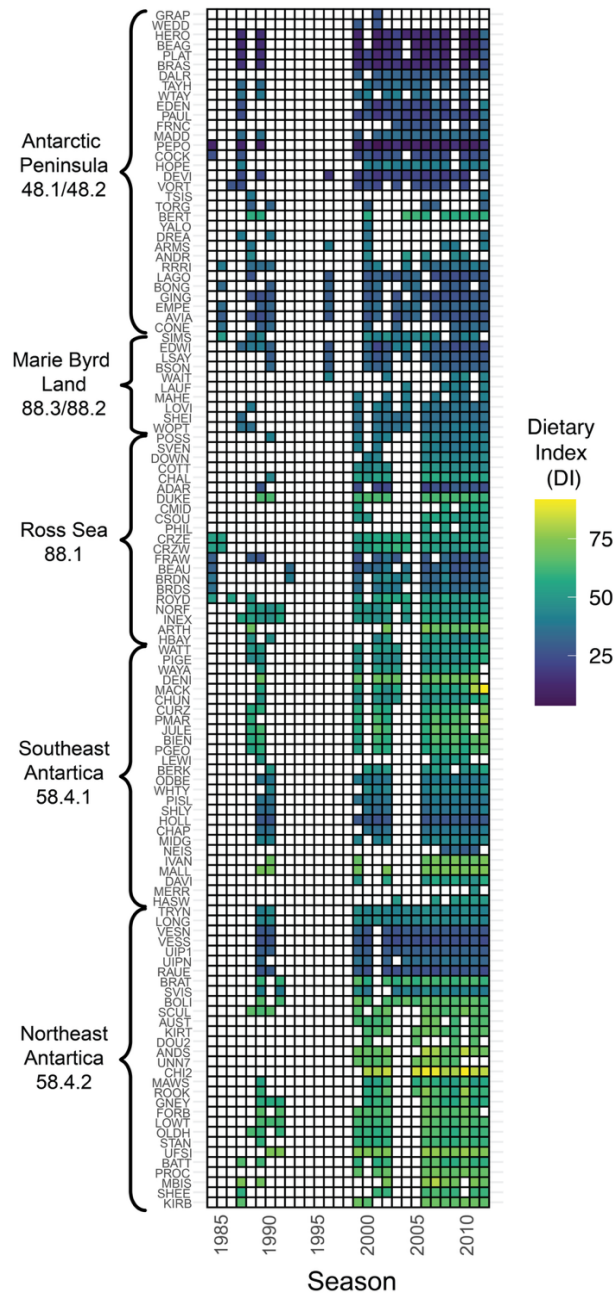


Fig. S4. Dietary Index for each site in each year. Yellow hues represent more fish-centric diets while blue hues represent more krill-centric diets. Lettering along the y-axis represents the four character site IDs from the Antarctic Penguin Biogeography Project (74). Brackets separate different regions of Antarctica, while numbers refer to the Commission for the Conservation of Antarctic Marine Living Resources Statistical Areas (12).

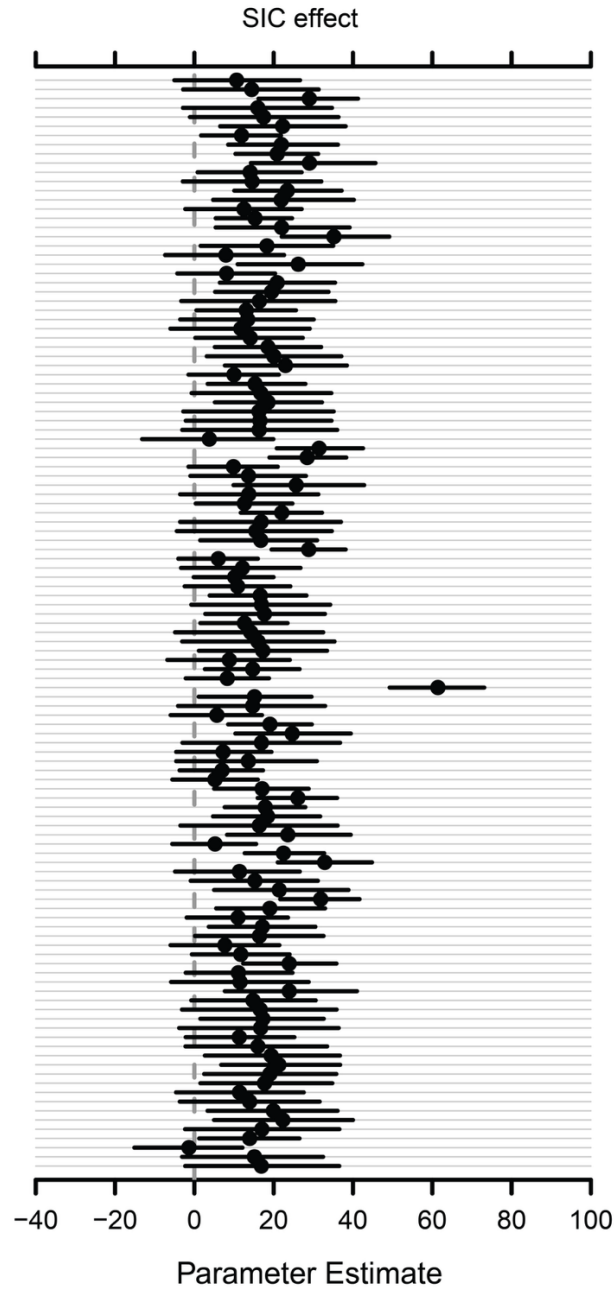


Fig. S5. Posterior estimates for θ , the effect of sea ice concentration (SIC) on yearly penguin diet at a given location [Eq. 9]. Points represent posterior medians while the thick lines represent 89% credible intervals. The dashed grey vertical lines represent zero. Each horizontal line represents a single site.

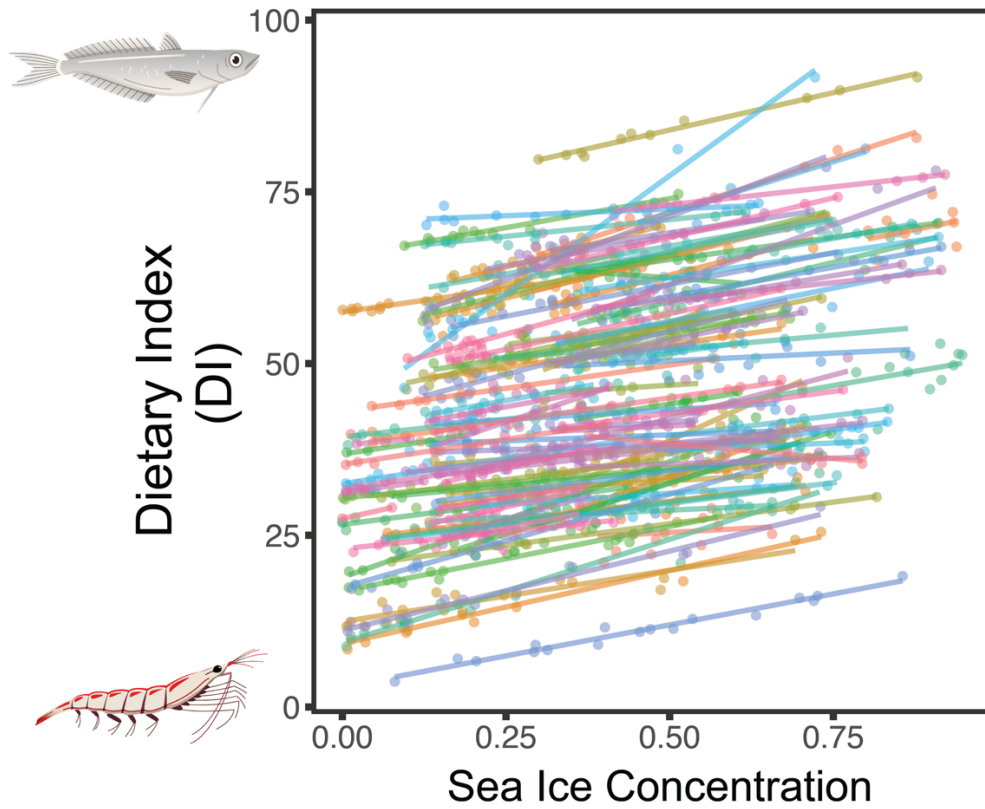
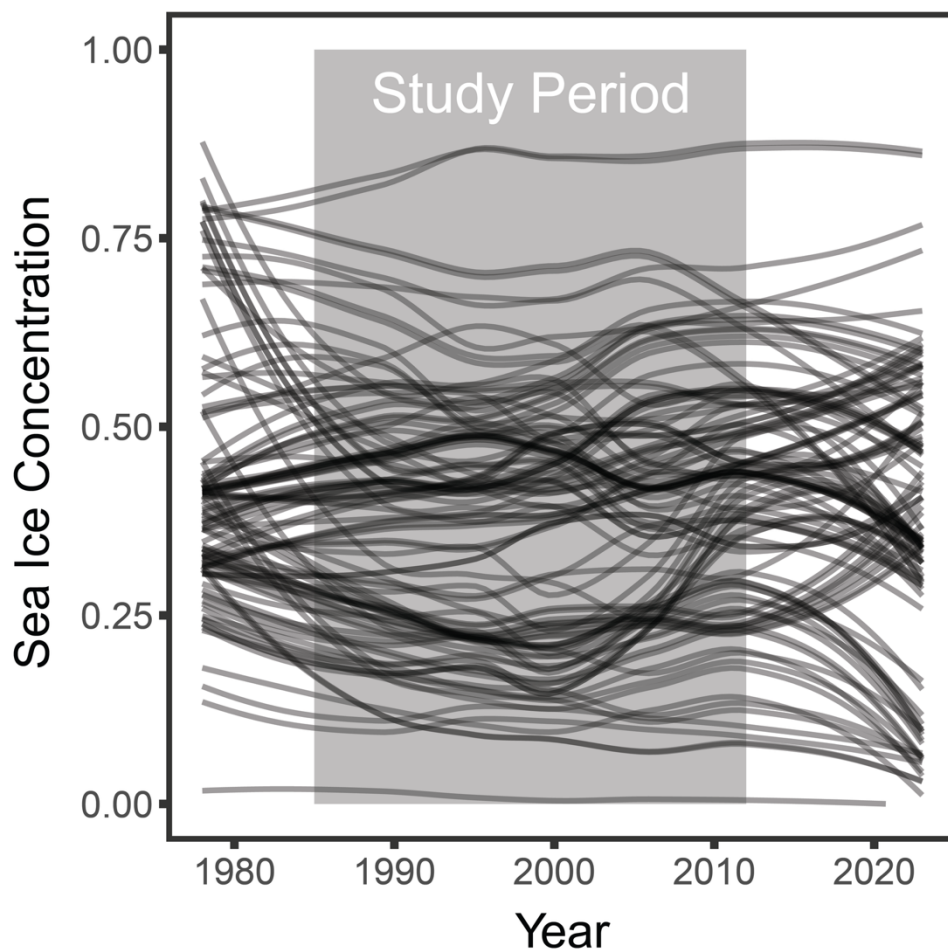


Fig. S6. Penguin diet varies across years, in accordance with sea ice dynamics. Diet is closely linked with sea ice, exhibiting greater proportions of fish in years with greater sea ice during the breeding season. Each colony is represented by a different colored line and set of points.



287
 288 **Fig. S7. Sea ice concentration at each Adélie penguin colony over time.** Each line represents
 289 the trajectory of sea ice over time for a single colony. Lines were produced using LOESS
 290 smooths using sea ice observed during the penguin breeding season (one value per year). The
 291 grey box represents the study period.

292

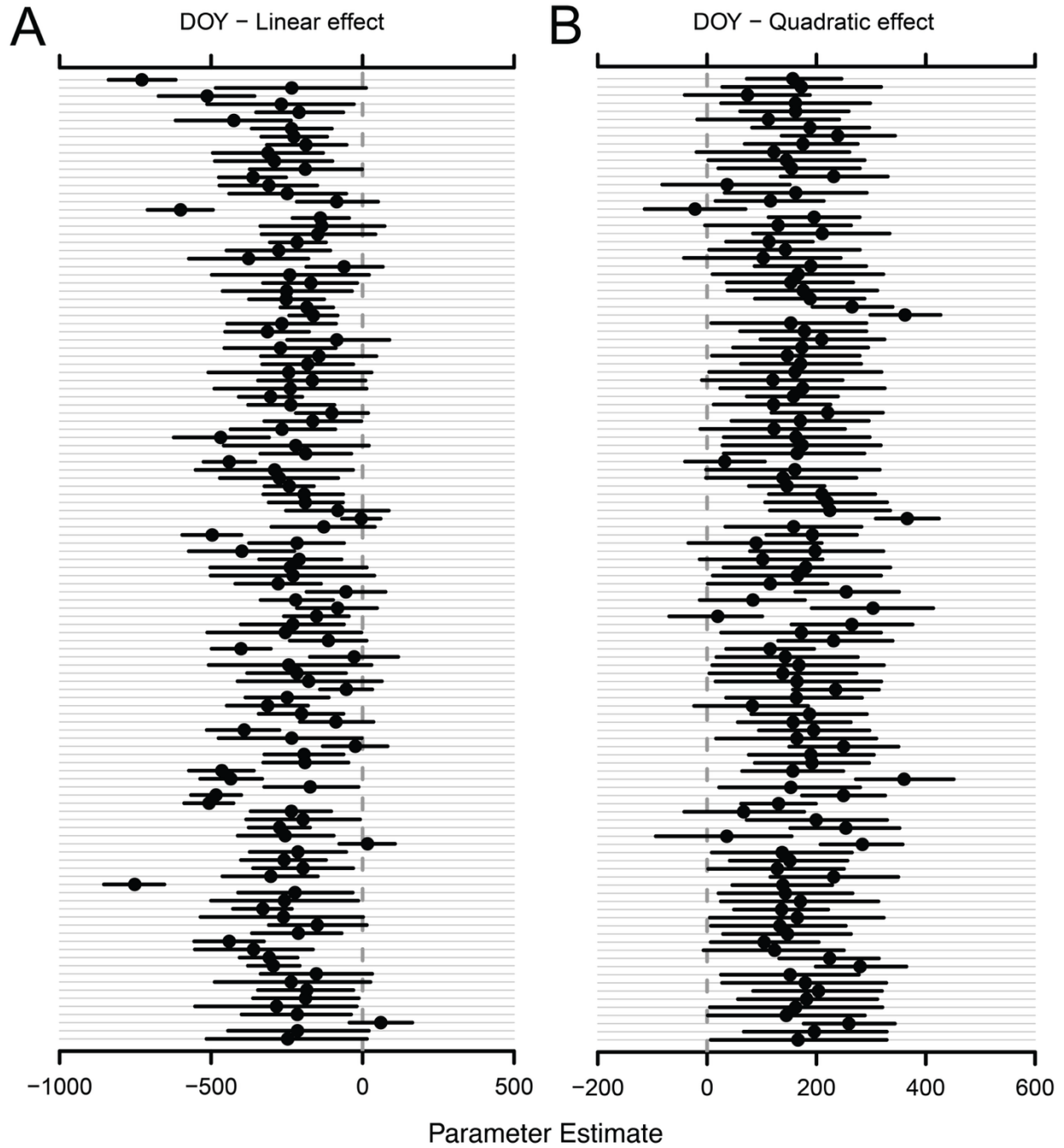


Fig. S8. Posterior estimates for A) β_1 , the linear effect of day of year on penguin diet [Eq. 7] and B) β_2 , the quadratic effect of day of year on penguin diet [Eq. 7]. Points represent posterior medians while the thick lines represent 89% credible intervals. The dashed grey vertical lines represent zero. Each horizontal line represents a single colony.

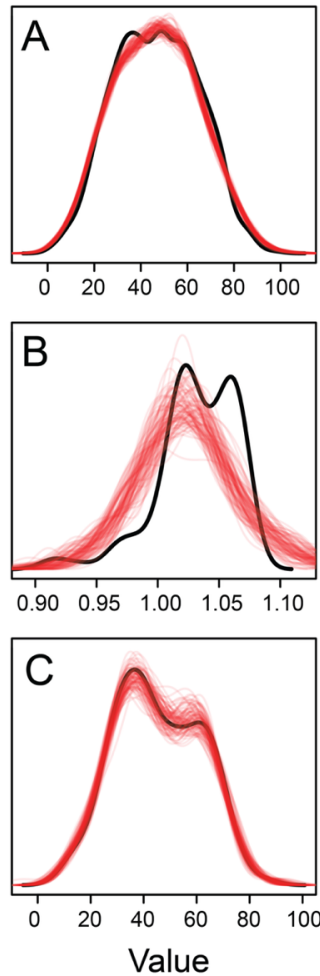


Fig. S9. Graphical posterior predictive check. Density plot for the observed data, used to fit each model, is shown in black. Red curves (N=100) represent the density of the data simulated from the posterior predictive distribution. Each iteration of the posterior chain yielded one simulated dataset (i.e., one red curve). The general similarity between the red and black lines demonstrates the model simulates data similar to the observed data. Plots are derived from models used to assess A) how diet is changing over space and over the course of a season in response to sea ice concentration [Eqs. 7–10] and B/C) how population growth rates vary according to average diet and dietary change at a given site [Eq. 11]. Two plots are provided in the case of the latter model (B/C), as both the response and predictor variables are modeled with uncertainty.

Supplementary Table 1: Locations and dates for guano sampling at penguin colonies. ADPE = Adélie penguin (*Pygoscelis adeliae*), CHPE = chinstrap penguin (*Pygoscelis antarcticus*), GEPE = gentoo penguin (*Pygoscelis papua*)

Site ID	Site Name	Latitude	Longitude	Species	Year	Month	Day	N
BEAG	Beagle Island	-63.41	-54.67	ADPE	2015	12	15	5
BRAS	Brash Island	-63.39	-54.91	ADPE	2015	12	17	5
EARL	Earle Island	-63.48	-54.78	ADPE	2015	12	14	5
GOUR	Gourdin Island	-63.20	-57.31	ADPE	2015	12	22	5
KING	King Point	-63.16	-55.48	ADPE	2015	12	13	5
PEIN	Peine Island (Comb Island)	-63.41	-54.72	ADPE	2015	12	18	2
GOUR	Gourdin Island	-63.20	-57.31	CHPE	2015	12	22	5
PING	Pinguino Island	-64.14	-60.99	CHPE	2014	12	5	5
ROBE	Robert Point (Robert Island)	-62.45	-59.38	CHPE	2014	12	4	3
AITC	Barrientos Island (Aitcho Islands)	-62.41	-59.75	GEPE	2014	12	4	5
ALMI	Brown Station	-64.90	-62.87	GEPE	2014	12	6	5
BRAS	Brash Island	-63.39	-54.91	GEPE	2015	12	17	5
DAMO	Dorian Bay/Damoy Point	-64.81	-63.50	GEPE	2014	12	6	4
DANC	Danco Island	-64.73	-62.59	GEPE	2014	12	15	5
EARL	Earle Island	-63.48	-54.78	GEPE	2015	12	14	5
GOUR	Gourdin Island	-63.20	-57.31	GEPE	2015	12	22	2
GOUR	Gourdin Island	-63.20	-57.31	GEPE	2015	12	23	3
HERO	Heroína Island	-63.39	-54.61	GEPE	2015	12	10	4
KNOB	Knobble Head, Bransfield Island	-63.16	-56.57	GEPE	2015	12	21	5
MIKK	Mikkelsen Harbor (Trinity Island)	-63.90	-60.79	GEPE	2014	12	5	5
MIKK	Mikkelsen Harbor (Trinity Island)	-63.90	-60.79	GEPE	2014	12	16	2
NEKO	Neko Harbor (Andvord Bay)	-64.84	-62.53	GEPE	2014	12	14	5
PEIN	Peine Island (Comb Island)	-63.41	-54.72	GEPE	2015	12	18	5
ROBE	Robert Point (Robert Island)	-62.45	-59.38	GEPE	2014	12	4	3

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study.

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
ADAR	Cape Adare	-71.31	170.20	LT04_L1GS_064110_19891128_20200916_02_T2	1989-11-28	Landsat 4
ADAR	Cape Adare	-71.31	170.20	LT04_L1GS_064110_19891230_20200916_02_T2	1989-12-30	Landsat 4
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_063110_20000120_20200918_02_T2	2000-1-20	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20011129_20200917_02_T2	2001-11-29	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20011210_20200917_02_T2	2001-12-10	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20021229_20200916_02_T2	2002-12-29	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20021204_20200916_02_T2	2002-12-4	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20030103_20200916_02_T2	2003-1-3	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20061122_20200913_02_T2	2006-11-22	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20061231_20200913_02_T2	2006-12-31	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20061208_20200913_02_T2	2006-12-8	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20070114_20200913_02_T2	2007-1-14	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20070116_20200913_02_T2	2007-1-16	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_063110_20070107_20200913_02_T2	2007-1-7	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20070109_20200913_02_T2	2007-1-9	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20071216_20200913_02_T2	2007-12-16	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20081116_20200913_02_T2	2008-11-16	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20081118_20200912_02_T2	2008-11-18	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_063110_20081125_20200912_02_T2	2008-11-25	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20081127_20200912_02_T2	2008-11-27	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_063110_20081109_20200912_02_T2	2008-11-9	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20081218_20200912_02_T2	2008-12-18	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20081220_20200912_02_T2	2008-12-20	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_063110_20081227_20200912_02_T2	2008-12-27	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20090130_20200912_02_T2	2009-1-30	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20091105_20200911_02_T2	2009-11-5	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20091216_20200911_02_T2	2009-12-16	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20091221_20200911_02_T2	2009-12-21	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20091205_20200911_02_T2	2009-12-5	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20091207_20200911_02_T2	2009-12-7	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20100108_20200911_02_T2	2010-1-8	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20101122_20200910_02_T2	2010-11-22	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20101124_20200910_02_T2				2010-11-24	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20101210_20200910_02_T2				2010-12-10	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20101224_20200910_02_T2				2010-12-24	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_062110_20101226_20200910_02_T2				2010-12-26	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20100207_20200911_02_T2				2010-2-7	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_063110_20110102_20200910_02_T2				2011-1-2	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20110104_20200910_02_T2				2011-1-4	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_063110_20111102_20200909_02_T2				2011-11-2	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20111222_20200909_02_T2				2011-12-22	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_063110_20110219_20200910_02_T2				2011-2-19	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_063110_20121104_20200908_02_T2				2012-11-4	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_061111_20120208_20200909_02_T2				2012-2-8	Landsat 7
ADAR	Cape Adare	-71.31	170.20	LE07_L1GT_064110_20130114_20200908_02_T2				2013-1-14	Landsat 7
ANDR	Andresen Island Site 1	-66.88	-66.65	LT04_L1GS_221107_19890124_20200916_02_T2				1989-1-24	Landsat 4
ANDR	Andresen Island Site 1	-66.88	-66.65	LT04_L1GS_219107_19890126_20200916_02_T2				1989-1-26	Landsat 4
ANDR	Andresen Island Site 1	-66.88	-66.65	LT05_L1GS_219107_19890219_20200916_02_T2				1989-2-19	Landsat 5
ANDR	Andresen Island Site 1	-66.88	-66.65	LE07_L1GT_221107_20010210_20200917_02_T2				2001-2-10	Landsat 7
ANDR	Andresen Island Site 1	-66.88	-66.65	LE07_L1GT_220107_20010219_20200917_02_T2				2001-2-19	Landsat 7
ANDR	Andresen Island Site 1	-66.88	-66.65	LE07_L1GT_221107_20050120_20200915_02_T2				2005-1-20	Landsat 7
ANDR	Andresen Island Site 1	-66.88	-66.65	LE07_L1GT_220107_20070119_20200913_02_T2				2007-1-19	Landsat 7
ANDR	Andresen Island Site 1	-66.88	-66.65	LE07_L1GT_220107_20100212_20200911_02_T2				2010-2-12	Landsat 7
ANDR	Andresen Island Site 1	-66.88	-66.65	LE07_L1GT_221107_20110206_20200910_02_T2				2011-2-6	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134107_20000223_20200918_02_T2				2000-2-23	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_136107_20010106_20200917_02_T2				2001-1-6	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_136107_20011122_20200917_02_T2				2001-11-22	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134107_20021127_20200916_02_T2				2002-11-27	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20021204_20200916_02_T2				2002-12-4	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20061215_20200913_02_T2				2006-12-15	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20061231_20200913_02_T2				2006-12-31	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134107_20070109_20200913_02_T2				2007-1-9	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20071218_20200913_02_T2				2007-12-18	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20070217_20200913_02_T2				2007-2-17	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_136107_20070224_20200913_02_T2				2007-2-24	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134108_20070226_20200913_02_T2				2007-2-26	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134108_20080112_20200913_02_T2				2008-1-12	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20080119_20200913_02_T2				2008-1-19	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_136107_20080126_20200913_02_T2				2008-1-26	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134108_20081127_20200912_02_T2				2008-11-27	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20080204_20200912_02_T2				2008-2-4	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20090121_20200912_02_T2				2009-1-21	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20090105_20200912_02_T2				2009-1-5	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134108_20091114_20200911_02_T2				2009-11-14	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134108_20091130_20200911_02_T2				2009-11-30	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134108_20100101_20200911_02_T2				2010-1-1	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20100108_20200911_02_T2				2010-1-8	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_136107_20100216_20200911_02_T2				2010-2-16	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20100209_20200911_02_T2				2010-2-9	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20110111_20200910_02_T2				2011-1-11	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134108_20110120_20200910_02_T2				2011-1-20	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20110127_20200910_02_T2				2011-1-27	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20110228_20200910_02_T2				2011-2-28	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_134108_20120123_20200909_02_T2				2012-1-23	Landsat 7
ANDS	Andersen Island	-67.44	63.36	LE07_L1GT_135107_20121231_20200908_02_T2				2012-12-31	Landsat 7
ARMS	Armstrong Reef	-65.88	-66.20	LT04_L1GS_219106_19890126_20200916_02_T2				1989-1-26	Landsat 4
ARMS	Armstrong Reef	-65.88	-66.20	LT05_L1GS_219106_19890219_20200916_02_T2				1989-2-19	Landsat 5
ARMS	Armstrong Reef	-65.88	-66.20	LT05_L1GS_221106_19970223_20200910_02_T2				1997-2-23	Landsat 5
ARMS	Armstrong Reef	-65.88	-66.20	LE07_L1GT_220106_20010102_20200917_02_T2				2001-1-2	Landsat 7
ARMS	Armstrong Reef	-65.88	-66.20	LE07_L1GT_220106_20010219_20200917_02_T2				2001-2-19	Landsat 7
ARMS	Armstrong Reef	-65.88	-66.20	LE07_L1GT_221106_20090131_20200912_02_T2				2009-1-31	Landsat 7
ARMS	Armstrong Reef	-65.88	-66.20	LE07_L1GT_219106_20090202_20200912_02_T2				2009-2-2	Landsat 7
ARMS	Armstrong Reef	-65.88	-66.20	LE07_L1GT_220106_20100228_20200911_02_T2				2010-2-28	Landsat 7
ARMS	Armstrong Reef	-65.88	-66.20	LE07_L1GT_220106_20130220_20200908_02_T2				2013-2-20	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LT04_L1GS_072109_19890221_20200916_02_T2				1989-2-21	Landsat 4

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_073109_20021201_20200916_02_T2	2002-12-1	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_071109_20021203_20200916_02_T2	2002-12-3	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_071109_20061128_20200913_02_T2	2006-11-28	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20061221_20200913_02_T2	2006-12-21	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20070106_20200913_02_T2	2007-1-6	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_071109_20071115_20200913_02_T2	2007-11-15	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20071106_20200913_02_T2	2007-11-6	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_071109_20071201_20200913_02_T2	2007-12-1	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20070207_20200913_02_T2	2007-2-7	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_073109_20080116_20200913_02_T2	2008-1-16	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20081108_20200912_02_T2	2008-11-8	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_073109_20081217_20200912_02_T2	2008-12-17	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_071109_20081219_20200912_02_T2	2008-12-19	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20081226_20200912_02_T2	2008-12-26	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20090111_20200912_02_T2	2009-1-11	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20091111_20200911_02_T2	2009-11-11	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_071109_20091104_20200911_02_T2	2009-11-4	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_073109_20100105_20200911_02_T2	2010-1-5	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_073109_20101105_20200910_02_T2	2010-11-5	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_071109_20101225_20200910_02_T2	2010-12-25	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_071109_20101209_20200910_02_T2	2010-12-9	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20110101_20200910_02_T2	2011-1-1	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_073109_20110108_20200910_02_T2	2011-1-8	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_073109_20111108_20200909_02_T2	2011-11-8	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_073109_20111210_20200909_02_T2	2011-12-10	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_073109_20120127_20200909_02_T2	2012-1-27	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20121103_20200908_02_T2	2012-11-3	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_072109_20121221_20200908_02_T2	2012-12-21	Landsat 7
ARTH	Arthurson Ridge	-69.36	158.51	LE07_L1GT_073109_20120228_20200909_02_T2	2012-2-28	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_134107_20000223_20200918_02_T2	2000-2-23	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_136107_20011122_20200917_02_T2	2001-11-22	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_134107_20021127_20200916_02_T2	2002-11-27	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_135107_20061231_20200913_02_T2	2006-12-31	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_134107_20070125_20200913_02_T2	2007-1-25	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_135107_20070217_20200913_02_T2	2007-2-17	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_134107_20080112_20200913_02_T2	2008-1-12	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_135107_20080119_20200913_02_T2	2008-1-19	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_135107_20080204_20200912_02_T2	2008-2-4	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_134107_20100101_20200911_02_T2	2010-1-1	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_136107_20100131_20200911_02_T2	2010-1-31	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_135107_20100108_20200911_02_T2	2010-1-8	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_136107_20100216_20200911_02_T2	2010-2-16	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_134107_20100202_20200911_02_T2	2010-2-2	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_135107_20100225_20200911_02_T2	2010-2-25	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_135107_20100209_20200911_02_T2	2010-2-9	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_135107_20120130_20200909_02_T2	2012-1-30	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_134107_20121224_20200908_02_T2	2012-12-24	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_135107_20121231_20200908_02_T2	2012-12-31	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_136107_20121206_20200908_02_T2	2012-12-6	Landsat 7
AUST	Auster Islands	-67.40	63.97	LE07_L1GT_134107_20121208_20200908_02_T2	2012-12-8	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LT05_L1GS_220108_19860218_20200918_02_T2	1986-2-18	Landsat 5
AVIA	Avian Island	-67.77	-68.89	LT04_L1GS_220108_19890101_20200916_02_T2	1989-1-1	Landsat 4
AVIA	Avian Island	-67.77	-68.89	LT04_L1GS_219108_19891126_20200916_02_T2	1989-11-26	Landsat 4
AVIA	Avian Island	-67.77	-68.89	LT04_L1GS_221108_19900127_20200916_02_T2	1990-1-27	Landsat 4
AVIA	Avian Island	-67.77	-68.89	LT05_L1GS_219108_19910209_20200915_02_T2	1991-2-9	Landsat 5
AVIA	Avian Island	-67.77	-68.89	LT05_L1GS_221107_19970223_20200911_02_T2	1997-2-23	Landsat 5
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_221107_20011227_20200917_02_T2	2001-12-27	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_221107_20010210_20200917_02_T2	2001-2-10	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_220108_20010219_20200917_02_T2	2001-2-19	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_220108_20040127_20200915_02_T2	2004-1-27	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_221107_20040203_20200915_02_T2	2004-2-3	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_221107_20050120_20200915_02_T2	2005-1-20	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_221107_20051206_20200914_02_T2	2005-12-6	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_219108_20051208_20200914_02_T2	2005-12-8	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_219108_20080115_20200913_02_T2	2008-1-15	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_220108_20080106_20200913_02_T2	2008-1-6	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_220108_20090124_20200912_02_T2	2009-1-24	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_221107_20091201_20200911_02_T2	2009-12-1	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_220108_20091210_20200911_02_T2	2009-12-10	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_219108_20090202_20200912_02_T2	2009-2-2	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_220108_20090225_20200912_02_T2	2009-2-25	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_220108_20101213_20200910_02_T2	2010-12-13	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_220108_20100212_20200911_02_T2	2010-2-12	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_221108_20110121_20200910_02_T2	2011-1-21	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_221107_20111121_20200909_02_T2	2011-11-21	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_221108_20110206_20200910_02_T2	2011-2-6	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_220108_20120218_20200909_02_T2	2012-2-18	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_219108_20130112_20200908_02_T2	2013-1-12	Landsat 7
AVIA	Avian Island	-67.77	-68.89	LE07_L1GT_220108_20130220_20200908_02_T2	2013-2-20	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LT04_L1GS_143106_19880221_20200917_02_T2	1988-2-21	Landsat 4
BATT	Cape Batterbee	-65.84	53.81	LT04_L1GS_141106_19880223_20200917_02_T2	1988-2-23	Landsat 4
BATT	Cape Batterbee	-65.84	53.81	LT04_L1GS_141106_19891124_20200916_02_T2	1989-11-24	Landsat 4
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_142106_20000130_20200918_02_T2	2000-1-30	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_143106_20011123_20200917_02_T2	2001-11-23	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_142106_20011202_20200917_02_T2	2001-12-2	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_143106_20021126_20200916_02_T2	2002-11-26	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20030131_20200916_02_T2	2003-1-31	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20030216_20200916_02_T2	2003-2-16	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_142106_20030223_20200916_02_T2	2003-2-23	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_143106_20061121_20200913_02_T2	2006-11-21	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20061123_20200913_02_T2	2006-11-23	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_142106_20061216_20200913_02_T2	2006-12-16	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20070110_20200913_02_T2	2007-1-10	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20070126_20200913_02_T2	2007-1-26	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20071110_20200913_02_T2	2007-11-10	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_143106_20070225_20200913_02_T2	2007-2-25	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_143106_20080127_20200913_02_T2	2008-1-27	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_143106_20081110_20200912_02_T2	2008-11-10	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20081230_20200912_02_T2	2008-12-30	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20090115_20200912_02_T2	2009-1-15	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20091201_20200911_02_T2	2009-12-1	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20101204_20200910_02_T2	2010-12-4	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_142106_20100210_20200911_02_T2	2010-2-10	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_143106_20111119_20200909_02_T2	2011-11-19	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_142106_20111214_20200909_02_T2	2011-12-14	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_142106_20110213_20200910_02_T2	2011-2-13	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_143106_20121121_20200908_02_T2	2012-11-21	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_141106_20120209_20200909_02_T2	2012-2-9	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_142106_20130202_20200908_02_T2	2013-2-2	Landsat 7
BATT	Cape Batterbee	-65.84	53.81	LE07_L1GT_143106_20130225_20200908_02_T2	2013-2-25	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LT04_L1GS_215104_19880229_20200917_02_T2	1988-2-29	Landsat 4
BEAG	Beagle Island	-63.41	-54.67	LT04_L1GS_215104_19900218_20200916_02_T2	1990-2-18	Landsat 4
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_215104_20000129_20200918_02_T2	2000-1-29	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20000223_20200918_02_T2	2000-2-23	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20011124_20200917_02_T2	2001-11-24	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_215104_20011201_20200917_02_T2	2001-12-1	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20011210_20200917_02_T2	2001-12-10	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20021229_20200916_02_T2	2002-12-29	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_215104_20030222_20200916_02_T2	2003-2-22	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20040202_20200915_02_T2	2004-2-2	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_215104_20040225_20200915_02_T2	2004-2-25	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_215104_20040209_20200915_02_T2	2004-2-9	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20061122_20200913_02_T2	2006-11-22	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_215104_20061215_20200913_02_T2	2006-12-15	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_215104_20061231_20200913_02_T2	2006-12-31	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20060223_20200914_02_T2	2006-2-23	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20070125_20200913_02_T2	2007-1-25	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20071227_20200913_02_T2	2007-12-27	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20070210_20200913_02_T2	2007-2-10	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20081229_20200912_02_T2	2008-12-29	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_215104_20081204_20200912_02_T2	2008-12-4	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20110205_20200910_02_T2	2011-2-5	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20120208_20200909_02_T2	2012-2-8	Landsat 7
BEAG	Beagle Island	-63.41	-54.67	LE07_L1GT_214104_20130210_20200908_02_T2	2013-2-10	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LT05_L1GS_057115_19841223_20200918_02_T2	1984-12-23	Landsat 5
BEAU	Beaufort Island	-76.97	166.90	LT05_L1GS_055115_19841225_20200918_02_T2	1984-12-25	Landsat 5
BEAU	Beaufort Island	-76.97	166.90	LT05_L1GS_055115_19850126_20200918_02_T2	1985-1-26	Landsat 5
BEAU	Beaufort Island	-76.97	166.90	LT04_L1GS_057115_19930106_20200914_02_T2	1993-1-6	Landsat 4
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_058115_19991216_20200918_02_T2	1999-12-16	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_056115_19991218_20200918_02_T2	1999-12-18	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_057115_19991225_20200918_02_T2	1999-12-25	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_055115_19991227_20200918_02_T2	1999-12-27	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_055115_20000112_20200918_02_T2	2000-1-12	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_053115_20010116_20200917_02_T2	2001-1-16	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_055115_20011130_20200917_02_T2	2001-11-30	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_057115_20011230_20200917_02_T2	2001-12-30	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_054115_20011209_20200917_02_T2	2001-12-9	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_057115_20021217_20200916_02_T2	2002-12-17	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_054115_20050102_20200915_02_T2	2005-1-2	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_053115_20050127_20200914_02_T2	2005-1-27	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_056115_20061205_20200913_02_T2	2006-12-5	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_054115_20061207_20200913_02_T2	2006-12-7	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_057115_20070113_20200913_02_T2	2007-1-13	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_055115_20070115_20200913_02_T2	2007-1-15	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_054115_20071210_20200913_02_T2	2007-12-10	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_057115_20071215_20200913_02_T2	2007-12-15	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_056115_20071208_20200913_02_T2	2007-12-8	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_056115_20081124_20200913_02_T2	2008-11-24	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_054115_20081126_20200912_02_T2	2008-11-26	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_057115_20081217_20200912_02_T2	2008-12-17	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_055115_20081219_20200912_02_T2	2008-12-19	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_058115_20081224_20200912_02_T2	2008-12-24	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_058115_20081208_20200912_02_T2	2008-12-8	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_057115_20090118_20200912_02_T2	2009-1-18	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_053115_20090122_20200912_02_T2	2009-1-22	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_057115_20091118_20200911_02_T2	2009-11-18	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_058115_20091125_20200911_02_T2	2009-11-25	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_056115_20091127_20200911_02_T2	2009-11-27	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_057115_20101121_20200910_02_T2	2010-11-21	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_058115_20101128_20200910_02_T2	2010-11-28	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_054115_20101218_20200910_02_T2	2010-12-18	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_055115_20101209_20200910_02_T2	2010-12-9	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_058115_20110115_20200910_02_T2	2011-1-15	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_053115_20111128_20200909_02_T2	2011-11-28	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_053115_20111214_20200909_02_T2	2011-12-14	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_056115_20111219_20200909_02_T2	2011-12-19	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_057115_20111226_20200909_02_T2	2011-12-26	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_053115_20111230_20200909_02_T2	2011-12-30	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_054115_20111205_20200909_02_T2	2011-12-5	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_055115_20120113_20200909_02_T2	2012-1-13	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_058115_20120102_20200909_02_T2	2012-1-2	Landsat 7
BEAU	Beaufort Island	-76.97	166.90	LE07_L1GT_055115_20130115_20200908_02_T2	2013-1-15	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LT05_L1GS_106106_19910202_20200915_02_T2	1991-2-2	Landsat 5
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_104107_20010122_20200917_02_T2	2001-1-22	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_105107_20011129_20200917_02_T2	2001-11-29	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_104107_20030112_20200916_02_T2	2003-1-12	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_105107_20070114_20200913_02_T2	2007-1-14	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_104107_20071209_20200913_02_T2	2007-12-9	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_104107_20081211_20200912_02_T2	2008-12-11	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_105107_20081218_20200912_02_T2	2008-12-18	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_105107_20090119_20200912_02_T2	2009-1-19	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_105107_20090204_20200912_02_T2	2009-2-4	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_104107_20110102_20200910_02_T2	2011-1-2	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_105107_20110125_20200910_02_T2	2011-1-25	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_105107_20111125_20200909_02_T2	2011-11-25	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_105107_20111227_20200909_02_T2	2011-12-27	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_105107_20110210_20200910_02_T2	2011-2-10	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_106106_20121220_20200908_02_T2	2012-12-20	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_104107_20130123_20200908_02_T2	2013-1-23	Landsat 7
BERK	Berkley/Cameron	-66.22	110.64	LE07_L1GT_106106_20130206_20200908_02_T2	2013-2-6	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LT05_L1GS_219106_19890219_20200916_02_T2	1989-2-19	Landsat 5
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LT04_L1GS_218106_19900207_20200916_02_T2	1990-2-7	Landsat 4
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_220106_20010219_20200917_02_T2	2001-2-19	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_218106_20010221_20200917_02_T2	2001-2-21	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_218106_20050115_20200915_02_T2	2005-1-15	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_219106_20051208_20200914_02_T2	2005-12-8	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_220106_20070119_20200913_02_T2	2007-1-19	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_218106_20070105_20200913_02_T2	2007-1-5	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_219106_20090117_20200912_02_T2	2009-1-17	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_218106_20091110_20200911_02_T2	2009-11-10	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_219106_20090202_20200912_02_T2	2009-2-2	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_220106_20101213_20200910_02_T2	2010-12-13	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_218106_20101215_20200910_02_T2	2010-12-15	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_220106_20100212_20200911_02_T2	2010-2-12	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_220106_20100228_20200911_02_T2	2010-2-28	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_220106_20110114_20200910_02_T2	2011-1-14	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_218106_20121220_20200908_02_T2	2012-12-20	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_218106_20120220_20200909_02_T2	2012-2-20	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_220106_20130103_20200908_02_T2	2013-1-3	Landsat 7
BERT	Berthelot Islands (excl. Green Island)	-65.33	-64.11	LE07_L1GT_220106_20130220_20200908_02_T2	2013-2-20	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BIEN	Cape Bienvenue	-66.72	140.53	LT05_L1GS_086107_19890114_20200916_02_T2	1989-1-14	Landsat 5
BIEN	Cape Bienvenue	-66.72	140.53	LT04_L1GS_087107_19891129_20200916_02_T2	1989-11-29	Landsat 4
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_085107_19991229_20200918_02_T2	1999-12-29	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20000112_20200918_02_T2	2000-1-12	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20000206_20200918_02_T2	2000-2-6	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20011114_20200917_02_T2	2001-11-14	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20011209_20200917_02_T2	2001-12-9	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_085107_20021119_20200916_02_T2	2002-11-19	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20021126_20200916_02_T2	2002-11-26	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20021219_20200916_02_T2	2002-12-19	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_085107_20070101_20200913_02_T2	2007-1-1	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20070124_20200913_02_T2	2007-1-24	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_084107_20071110_20200913_02_T2	2007-11-10	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_084107_20071126_20200913_02_T2	2007-11-26	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20071108_20200913_02_T2	2007-11-8	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20071210_20200913_02_T2	2007-12-10	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_085107_20071203_20200913_02_T2	2007-12-3	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20070216_20200913_02_T2	2007-2-16	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_084107_20081112_20200913_02_T2	2008-11-12	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20081126_20200912_02_T2	2008-11-26	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20081212_20200912_02_T2	2008-12-12	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20081228_20200912_02_T2	2008-12-28	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20080219_20200912_02_T2	2008-2-19	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20090129_20200912_02_T2	2009-1-29	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_084107_20091115_20200911_02_T2	2009-11-15	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20091120_20200911_02_T2	2009-11-20	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20091129_20200911_02_T2	2009-11-29	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_085107_20091106_20200911_02_T2	2009-11-6	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20091215_20200911_02_T2	2009-12-15	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20091222_20200911_02_T2	2009-12-22	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_085107_20091224_20200911_02_T2	2009-12-24	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20091231_20200911_02_T2	2009-12-31	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20090214_20200912_02_T2	2009-2-14	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20100107_20200911_02_T2	2010-1-7	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20101123_20200910_02_T2	2010-11-23	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_085107_20101227_20200910_02_T2	2010-12-27	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_084107_20100203_20200911_02_T2	2010-2-3	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20110110_20200910_02_T2	2011-1-10	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20110220_20200910_02_T2	2011-2-20	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20110204_20200910_02_T2	2011-2-4	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_087107_20120129_20200909_02_T2	2012-1-29	Landsat 7
BIEN	Cape Bienvenue	-66.72	140.53	LE07_L1GT_086107_20121207_20200908_02_T2	2012-12-7	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LT04_L1GS_124109_19900120_20200916_02_T2	1990-1-20	Landsat 4
BOLI	Bolingen/Lichen Island	-69.46	75.75	LT04_L1GS_124109_19900104_20200916_02_T2	1990-1-4	Landsat 4
BOLI	Bolingen/Lichen Island	-69.46	75.75	LT05_L1GS_124109_19920118_20200914_02_T2	1992-1-18	Landsat 5
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20000130_20200918_02_T2	2000-1-30	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_124109_20010118_20200917_02_T2	2001-1-18	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20030106_20200916_02_T2	2003-1-6	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20040203_20200915_02_T2	2004-2-3	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20050221_20200914_02_T2	2005-2-21	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20050228_20200914_02_T2	2005-2-28	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20060114_20200914_02_T2	2006-1-14	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20060130_20200914_02_T2	2006-1-30	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20060224_20200914_02_T2	2006-2-24	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_124109_20070119_20200913_02_T2	2007-1-19	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20070108_20200913_02_T2	2007-1-8	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20071126_20200913_02_T2	2007-11-26	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20070202_20200913_02_T2	2007-2-2	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20080111_20200913_02_T2	2008-1-11	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20090131_20200912_02_T2	2009-1-31	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20090106_20200912_02_T2	2009-1-6	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_124109_20090108_20200912_02_T2	2009-1-8	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20091113_20200911_02_T2	2009-11-13	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20091215_20200911_02_T2	2009-12-15	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20091224_20200911_02_T2	2009-12-24	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20091231_20200911_02_T2	2009-12-31	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20090223_20200912_02_T2	2009-2-23	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20100116_20200911_02_T2	2010-1-16	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20100118_20200911_02_T2	2010-1-18	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20101218_20200910_02_T2	2010-12-18	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20110128_20200910_02_T2	2011-1-28	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20111121_20200909_02_T2	2011-11-21	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20110222_20200910_02_T2	2011-2-22	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20120122_20200909_02_T2	2012-1-22	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20120124_20200909_02_T2	2012-1-24	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20121121_20200908_02_T2	2012-11-21	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20121225_20200908_02_T2	2012-12-25	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20121207_20200908_02_T2	2012-12-7	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20121209_20200908_02_T2	2012-12-9	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_127109_20120223_20200909_02_T2	2012-2-23	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20130101_20200908_02_T2	2013-1-1	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_124109_20130119_20200908_02_T2	2013-1-19	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_125109_20130211_20200908_02_T2	2013-2-11	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_126109_20130202_20200908_02_T2	2013-2-2	Landsat 7
BOLI	Bolingen/Lichen Island	-69.46	75.75	LE07_L1GT_124109_20130204_20200908_02_T2	2013-2-4	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LT05_L1GS_220108_19860218_20200918_02_T2	1986-2-18	Landsat 5
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LT05_L1GS_219108_19910209_20200915_02_T2	1991-2-9	Landsat 5
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LT05_L1GS_221107_19970223_20200911_02_T2	1997-2-23	Landsat 5
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_221107_20011227_20200917_02_T2	2001-12-27	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_221107_20010210_20200917_02_T2	2001-2-10	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_220108_20010219_20200917_02_T2	2001-2-19	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_220107_20020105_20200917_02_T2	2002-1-5	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_221107_20050120_20200915_02_T2	2005-1-20	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_219108_20051208_20200914_02_T2	2005-12-8	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_221107_20090131_20200912_02_T2	2009-1-31	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_220108_20091210_20200911_02_T2	2009-12-10	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_220108_20090225_20200912_02_T2	2009-2-25	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_218108_20101129_20200910_02_T2	2010-11-29	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_220108_20101213_20200910_02_T2	2010-12-13	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_220108_20110114_20200910_02_T2	2011-1-14	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_221107_20110121_20200910_02_T2	2011-1-21	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_221107_20130110_20200908_02_T2	2013-1-10	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_219108_20130112_20200908_02_T2	2013-1-12	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_220108_20130103_20200908_02_T2	2013-1-3	Landsat 7
BONG	Bongrain Point (Pourquoi Pas Island)	-67.72	-67.73	LE07_L1GT_220108_20130220_20200908_02_T2	2013-2-20	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LT04_L1GS_215104_19880229_20200917_02_T2	1988-2-29	Landsat 4
BRAS	Brash Island	-63.39	-54.91	LT04_L1GS_214104_19880206_20200917_02_T2	1988-2-6	Landsat 4
BRAS	Brash Island	-63.39	-54.91	LT04_L1GS_215104_19900218_20200916_02_T2	1990-2-18	Landsat 4
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20000223_20200918_02_T2	2000-2-23	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20010108_20200917_02_T2	2001-1-8	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20011124_20200917_02_T2	2001-11-24	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20011201_20200917_02_T2	2001-12-1	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20011210_20200917_02_T2	2001-12-10	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20021229_20200916_02_T2	2002-12-29	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20030222_20200916_02_T2	2003-2-22	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20040202_20200915_02_T2	2004-2-2	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20040225_20200915_02_T2	2004-2-25	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20040209_20200915_02_T2	2004-2-9	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20050110_20200915_02_T2	2005-1-10	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20050211_20200914_02_T2	2005-2-11	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20061122_20200913_02_T2	2006-11-22	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20061215_20200913_02_T2	2006-12-15	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20061231_20200913_02_T2	2006-12-31	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20061208_20200913_02_T2	2006-12-8	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20060223_20200914_02_T2	2006-2-23	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20070125_20200913_02_T2	2007-1-25	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20071227_20200913_02_T2	2007-12-27	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20070210_20200913_02_T2				2007-2-10	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20081229_20200912_02_T2				2008-12-29	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20081204_20200912_02_T2				2008-12-4	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20110127_20200910_02_T2				2011-1-27	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20110205_20200910_02_T2				2011-2-5	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_215104_20121231_20200908_02_T2				2012-12-31	Landsat 7
BRAS	Brash Island	-63.39	-54.91	LE07_L1GT_214104_20130210_20200908_02_T2				2013-2-10	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LT04_L1GS_125109_19891226_20200916_02_T2				1989-12-26	Landsat 4
BRAT	Brattstrand Bluff	-69.15	77.26	LT04_L1GS_124109_19900120_20200916_02_T2				1990-1-20	Landsat 4
BRAT	Brattstrand Bluff	-69.15	77.26	LT04_L1GS_125109_19900127_20200916_02_T2				1990-1-27	Landsat 4
BRAT	Brattstrand Bluff	-69.15	77.26	LT05_L1GS_124109_19920118_20200914_02_T2				1992-1-18	Landsat 5
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126108_20000130_20200918_02_T2				2000-1-30	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20000217_20200918_02_T2				2000-2-17	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20010118_20200917_02_T2				2001-1-18	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20021230_20200916_02_T2				2002-12-30	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20030106_20200916_02_T2				2003-1-6	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20040203_20200915_02_T2				2004-2-3	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20051120_20200914_02_T2				2005-11-20	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126108_20051127_20200914_02_T2				2005-11-27	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20050221_20200914_02_T2				2005-2-21	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20050228_20200914_02_T2				2005-2-28	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126108_20060130_20200914_02_T2				2006-1-30	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20061123_20200913_02_T2				2006-11-23	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_123109_20061125_20200913_02_T2				2006-11-25	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20061218_20200913_02_T2				2006-12-18	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20070119_20200913_02_T2				2007-1-19	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20071110_20200913_02_T2				2007-11-10	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20071126_20200913_02_T2				2007-11-26	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20071228_20200913_02_T2				2007-12-28	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_123109_20071230_20200913_02_T2				2007-12-30	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20070202_20200913_02_T2				2007-2-2	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_123109_20080115_20200913_02_T2				2008-1-15	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20080122_20200913_02_T2	2008-1-22	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20081214_20200912_02_T2	2008-12-14	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20081223_20200912_02_T2	2008-12-23	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20081230_20200912_02_T2	2008-12-30	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20090131_20200912_02_T2	2009-1-31	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20090106_20200912_02_T2	2009-1-6	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20090108_20200912_02_T2	2009-1-8	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20091122_20200911_02_T2	2009-11-22	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20091108_20200911_02_T2	2009-11-8	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20091201_20200911_02_T2	2009-12-1	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20091224_20200911_02_T2	2009-12-24	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20091226_20200911_02_T2	2009-12-26	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_123109_20091203_20200911_02_T2	2009-12-3	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20090216_20200912_02_T2	2009-2-16	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20100118_20200911_02_T2	2010-1-18	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20100102_20200911_02_T2	2010-1-2	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_123109_20100120_20200911_02_T2	2010-1-20	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20101118_20200910_02_T2	2010-11-18	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20110112_20200910_02_T2	2011-1-12	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20110128_20200910_02_T2	2011-1-28	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_123109_20110107_20200910_02_T2	2011-1-7	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20111112_20200909_02_T2	2011-11-12	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20111121_20200909_02_T2	2011-11-21	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20111128_20200909_02_T2	2011-11-28	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20111105_20200909_02_T2	2011-11-5	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_123109_20111107_20200909_02_T2	2011-11-7	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_126109_20111214_20200909_02_T2	2011-12-14	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20110215_20200910_02_T2	2011-2-15	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20110222_20200910_02_T2	2011-2-22	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20120124_20200909_02_T2	2012-1-24	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20121123_20200908_02_T2	2012-11-23	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20121107_20200908_02_T2	2012-11-7	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20121225_20200908_02_T2	2012-12-25	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_125109_20121209_20200908_02_T2	2012-12-9	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20130119_20200908_02_T2	2013-1-19	Landsat 7
BRAT	Brattstrand Bluff	-69.15	77.26	LE07_L1GT_124109_20130220_20200908_02_T2	2013-2-20	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LT05_L1GS_054115_19841202_20200918_02_T2	1984-12-2	Landsat 5
BRDN	Cape Bird North	-77.21	166.45	LT05_L1GS_057115_19841223_20200918_02_T2	1984-12-23	Landsat 5
BRDN	Cape Bird North	-77.21	166.45	LT05_L1GS_055115_19841225_20200918_02_T2	1984-12-25	Landsat 5
BRDN	Cape Bird North	-77.21	166.45	LT05_L1GS_055115_19850126_20200918_02_T2	1985-1-26	Landsat 5
BRDN	Cape Bird North	-77.21	166.45	LT04_L1GS_057115_19930106_20200914_02_T2	1993-1-6	Landsat 4
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_058115_19991216_20200918_02_T2	1999-12-16	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_19991225_20200918_02_T2	1999-12-25	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_19991227_20200918_02_T2	1999-12-27	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20000112_20200918_02_T2	2000-1-12	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20011114_20200917_02_T2	2001-11-14	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_058115_20011119_20200917_02_T2	2001-11-19	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20011130_20200917_02_T2	2001-11-30	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20011207_20200917_02_T2	2001-12-7	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20011209_20200917_02_T2	2001-12-9	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20021126_20200916_02_T2	2002-11-26	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_20021217_20200916_02_T2	2002-12-17	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20021205_20200916_02_T2	2002-12-5	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20040116_20200915_02_T2	2004-1-16	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20040201_20200915_02_T2	2004-2-1	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20050102_20200915_02_T2	2005-1-2	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20050127_20200914_02_T2	2005-1-27	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20050201_20200914_02_T2	2005-2-1	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_20061126_20200913_02_T2	2006-11-26	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20061214_20200913_02_T2	2006-12-14	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20061205_20200913_02_T2	2006-12-5	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20061207_20200913_02_T2	2006-12-7	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_20070113_20200913_02_T2	2007-1-13	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20070124_20200913_02_T2	2007-1-24	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20071212_20200913_02_T2	2007-12-12	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_20071215_20200913_02_T2	2007-12-15	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20071219_20200913_02_T2	2007-12-19	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20080113_20200913_02_T2	2008-1-13	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20080125_20200912_02_T2	2008-1-25	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20081110_20200912_02_T2	2008-11-10	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20081117_20200913_02_T2	2008-11-17	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20081119_20200912_02_T2	2008-11-19	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20081124_20200913_02_T2	2008-11-24	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20081210_20200912_02_T2	2008-12-10	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_20081217_20200912_02_T2	2008-12-17	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20081219_20200912_02_T2	2008-12-19	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20081221_20200912_02_T2	2008-12-21	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20081226_20200912_02_T2	2008-12-26	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20081230_20200912_02_T2	2008-12-30	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_058115_20081208_20200912_02_T2	2008-12-8	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_20090118_20200912_02_T2	2009-1-18	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20090122_20200912_02_T2	2009-1-22	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20091115_20200911_02_T2	2009-11-15	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_20091118_20200911_02_T2	2009-11-18	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_058115_20091125_20200911_02_T2	2009-11-25	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20091104_20200911_02_T2	2009-11-4	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20091106_20200911_02_T2	2009-11-6	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_058115_20091109_20200911_02_T2	2009-11-9	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20091201_20200911_02_T2	2009-12-1	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20091231_20200911_02_T2	2009-12-31	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20100118_20200911_02_T2	2010-1-18	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20100109_20200911_02_T2	2010-1-9	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_058115_20101112_20200911_02_T2	2010-11-12	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20101118_20200910_02_T2	2010-11-18	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_20101121_20200910_02_T2	2010-11-21	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_058115_20101128_20200910_02_T2	2010-11-28	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20101109_20200911_02_T2	2010-11-9	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20101216_20200910_02_T2	2010-12-16	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20101218_20200910_02_T2	2010-12-18	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20101225_20200910_02_T2	2010-12-25	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20101227_20200910_02_T2	2010-12-27	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20101209_20200910_02_T2	2010-12-9	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20100210_20200911_02_T2	2010-2-10	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20100203_20200911_02_T2	2010-2-3	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20110117_20200910_02_T2	2011-1-17	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20110128_20200910_02_T2	2011-1-28	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_058115_20111115_20200909_02_T2	2011-11-15	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20111128_20200909_02_T2	2011-11-28	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20111105_20200909_02_T2	2011-11-5	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20111214_20200909_02_T2	2011-12-14	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20111219_20200909_02_T2	2011-12-19	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20111223_20200909_02_T2	2011-12-23	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_20111226_20200909_02_T2	2011-12-26	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20111230_20200909_02_T2	2011-12-30	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_058115_20110216_20200910_02_T2	2011-2-16	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20120113_20200909_02_T2	2012-1-13	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20120120_20200909_02_T2	2012-1-20	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20120129_20200909_02_T2	2012-1-29	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20120131_20200909_02_T2	2012-1-31	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_057115_20121110_20200908_02_T2	2012-11-10	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20121119_20200908_02_T2	2012-11-19	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20121123_20200908_02_T2	2012-11-23	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20121130_20200908_02_T2	2012-11-30	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20121107_20200908_02_T2	2012-11-7	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_058115_20120203_20200909_02_T2	2012-2-3	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20120207_20200909_02_T2	2012-2-7	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_052116_20120209_20200909_02_T2	2012-2-9	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20130101_20200908_02_T2	2013-1-1	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_055115_20130115_20200908_02_T2	2013-1-15	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_053116_20130117_20200908_02_T2	2013-1-17	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_056115_20130122_20200908_02_T2	2013-1-22	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20130124_20200908_02_T2	2013-1-24	Landsat 7
BRDN	Cape Bird North	-77.21	166.45	LE07_L1GT_054115_20130108_20200908_02_T2	2013-1-8	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LT05_L1GS_054115_19841202_20200918_02_T2	1984-12-2	Landsat 5
BRDS	Cape Bird South	-77.26	166.38	LT05_L1GS_057115_19841223_20200918_02_T2	1984-12-23	Landsat 5
BRDS	Cape Bird South	-77.26	166.38	LT05_L1GS_055115_19841225_20200918_02_T2	1984-12-25	Landsat 5
BRDS	Cape Bird South	-77.26	166.38	LT05_L1GS_055115_19850126_20200918_02_T2	1985-1-26	Landsat 5
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_057115_19991225_20200918_02_T2	1999-12-25	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_055115_19991227_20200918_02_T2	1999-12-27	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_055115_20011114_20200917_02_T2	2001-11-14	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_055115_20011130_20200917_02_T2	2001-11-30	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_054115_20011209_20200917_02_T2	2001-12-9	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_057115_20021217_20200916_02_T2	2002-12-17	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_054115_20040116_20200915_02_T2	2004-1-16	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_054115_20061207_20200913_02_T2	2006-12-7	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_057115_20071215_20200913_02_T2	2007-12-15	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_053116_20071219_20200913_02_T2	2007-12-19	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_055115_20081117_20200913_02_T2	2008-11-17	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_056115_20081210_20200912_02_T2	2008-12-10	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_055115_20081219_20200912_02_T2	2008-12-19	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_056115_20081226_20200912_02_T2	2008-12-26	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_052116_20081230_20200912_02_T2	2008-12-30	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_052116_20091115_20200911_02_T2	2009-11-15	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_055115_20091104_20200911_02_T2	2009-11-4	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_052116_20091201_20200911_02_T2	2009-12-1	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_054115_20091231_20200911_02_T2	2009-12-31	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_057115_20101121_20200910_02_T2	2010-11-21	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_054115_20101218_20200910_02_T2	2010-12-18	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_055115_20101225_20200910_02_T2	2010-12-25	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_055115_20101209_20200910_02_T2	2010-12-9	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_053116_20111128_20200909_02_T2	2011-11-28	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_053116_20111214_20200909_02_T2	2011-12-14	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_056115_20111219_20200909_02_T2	2011-12-19	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_052116_20111223_20200909_02_T2	2011-12-23	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_057115_20121110_20200908_02_T2	2012-11-10	Landsat 7
BRDS	Cape Bird South	-77.26	166.38	LE07_L1GT_052116_20120209_20200909_02_T2	2012-2-9	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LT05_L1GS_004112_19910223_20200915_02_T2	1991-2-23	Landsat 5
BSON	Brownson Islands	-74.14	-103.48	LT05_L1GS_002113_19970124_20200910_02_T2	1997-1-24	Landsat 5
BSON	Brownson Islands	-74.14	-103.48	LT05_L1GS_003113_19970131_20200910_02_T2	1997-1-31	Landsat 5
BSON	Brownson Islands	-74.14	-103.48	LT05_L1GS_002113_19970209_20200910_02_T2	1997-2-9	Landsat 5
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_002113_20011213_20200917_02_T2	2001-12-13	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20010201_20200917_02_T2	2001-2-1	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_002113_20030117_20200916_02_T2	2003-1-17	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_003113_20030124_20200916_02_T2	2003-1-24	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_004112_20030216_20200916_02_T2	2003-2-16	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20030207_20200916_02_T2	2003-2-7	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20080120_20200913_02_T2	2008-1-20	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20080221_20200912_02_T2	2008-2-21	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_004112_20090131_20200912_02_T2	2009-1-31	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_002113_20091219_20200911_02_T2	2009-12-19	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20090223_20200912_02_T2	2009-2-23	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_004112_20100102_20200911_02_T2	2010-1-2	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20100125_20200911_02_T2	2010-1-25	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_002113_20100104_20200911_02_T2	2010-1-4	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_003113_20101213_20200910_02_T2	2010-12-13	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_001113_20101215_20200910_02_T2	2010-12-15	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20100210_20200911_02_T2	2010-2-10	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20110112_20200910_02_T2	2011-1-12	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20110128_20200910_02_T2	2011-1-28	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_001113_20111218_20200909_02_T2	2011-12-18	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_002113_20111225_20200909_02_T2	2011-12-25	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20111230_20200909_02_T2	2011-12-30	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_001113_20110201_20200910_02_T2	2011-2-1	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_004112_20110206_20200910_02_T2	2011-2-6	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20120216_20200909_02_T2	2012-2-16	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_004112_20120209_20200909_02_T2	2012-2-9	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_004112_20130110_20200908_02_T2	2013-1-10	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20130117_20200908_02_T2	2013-1-17	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_003113_20130103_20200908_02_T2	2013-1-3	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20130218_20200908_02_T2	2013-2-18	Landsat 7
BSON	Brownson Islands	-74.14	-103.48	LE07_L1GT_005112_20130202_20200908_02_T2	2013-2-2	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LT05_L1GS_062111_19910128_20200915_02_T2	1991-1-28	Landsat 5
CHAL	Cape Hallett	-72.32	170.21	LT05_L1GS_062111_19910213_20200915_02_T2	1991-2-13	Landsat 5
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_19991212_20200918_02_T2	1999-12-12	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_19991214_20200918_02_T2	1999-12-14	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_19991230_20200918_02_T2	1999-12-30	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20010124_20200917_02_T2	2001-1-24	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20011117_20200917_02_T2	2001-11-17	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20011122_20200917_02_T2	2001-11-22	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20011201_20200917_02_T2	2001-12-1	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20011210_20200917_02_T2	2001-12-10	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20021229_20200916_02_T2	2002-12-29	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20021204_20200916_02_T2	2002-12-4	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20061201_20200913_02_T2	2006-12-1	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20061217_20200913_02_T2	2006-12-17	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20061222_20200913_02_T2	2006-12-22	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20061231_20200913_02_T2	2006-12-31	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20061206_20200913_02_T2	2006-12-6	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20070116_20200913_02_T2	2007-1-16	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20070107_20200913_02_T2	2007-1-7	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20070109_20200913_02_T2	2007-1-9	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20071116_20200913_02_T2				2007-11-16	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20071118_20200913_02_T2				2007-11-18	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20071123_20200913_02_T2				2007-11-23	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20071211_20200913_02_T2				2007-12-11	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20071202_20200913_02_T2				2007-12-2	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20071220_20200913_02_T2				2007-12-20	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20071209_20200913_02_T2				2007-12-9	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20081118_20200912_02_T2				2008-11-18	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20081120_20200912_02_T2				2008-11-20	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20081109_20200913_02_T2				2008-11-9	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20081220_20200912_02_T2				2008-12-20	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20081222_20200912_02_T2				2008-12-22	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20081227_20200912_02_T2				2008-12-27	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20080206_20200912_02_T2				2008-2-6	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20090112_20200912_02_T2				2009-1-12	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20090114_20200912_02_T2				2009-1-14	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20090121_20200912_02_T2				2009-1-21	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20090105_20200912_02_T2				2009-1-5	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20091121_20200911_02_T2				2009-11-21	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20091216_20200911_02_T2				2009-12-16	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20091207_20200911_02_T2				2009-12-7	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20100117_20200911_02_T2				2010-1-17	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20101110_20200911_02_T2				2010-11-10	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20101210_20200910_02_T2				2010-12-10	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20101212_20200910_02_T2				2010-12-12	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20101226_20200910_02_T2				2010-12-26	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20100227_20200911_02_T2				2010-2-27	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20110118_20200910_02_T2				2011-1-18	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20110104_20200910_02_T2				2011-1-4	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20111113_20200909_02_T2				2011-11-13	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20111215_20200909_02_T2				2011-12-15	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20111222_20200909_02_T2				2011-12-22	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_060111_20110214_20200910_02_T2				2011-2-14	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20110219_20200910_02_T2				2011-2-19	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20120107_20200909_02_T2				2012-1-7	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20121113_20200908_02_T2				2012-11-13	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20121129_20200908_02_T2				2012-11-29	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_063111_20121104_20200908_02_T2				2012-11-4	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20121215_20200908_02_T2				2012-12-15	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_061111_20120208_20200909_02_T2				2012-2-8	Landsat 7
CHAL	Cape Hallett	-72.32	170.21	LE07_L1GT_062111_20130116_20200908_02_T2				2013-1-16	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LT04_L1GS_104107_19891121_20200916_02_T2				1989-11-21	Landsat 4
CHAP	Chappel Island	-66.18	110.42	LT05_L1GS_106106_19910202_20200915_02_T2				1991-2-2	Landsat 5
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_104107_20010122_20200917_02_T2				2001-1-22	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20011129_20200917_02_T2				2001-11-29	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_104107_20030112_20200916_02_T2				2003-1-12	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20061127_20200913_02_T2				2006-11-27	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_104107_20061222_20200913_02_T2				2006-12-22	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20070114_20200913_02_T2				2007-1-14	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_104107_20070107_20200913_02_T2				2007-1-7	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20071216_20200913_02_T2				2007-12-16	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_104107_20071225_20200913_02_T2				2007-12-25	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_104107_20071209_20200913_02_T2				2007-12-9	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105107_20080117_20200913_02_T2				2008-1-17	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_104107_20081211_20200912_02_T2				2008-12-11	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20081218_20200912_02_T2				2008-12-18	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20090119_20200912_02_T2				2009-1-19	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20090103_20200912_02_T2				2009-1-3	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20091119_20200911_02_T2				2009-11-19	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20090204_20200912_02_T2				2009-2-4	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_104107_20110102_20200910_02_T2				2011-1-2	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20110125_20200910_02_T2				2011-1-25	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20111125_20200909_02_T2				2011-11-25	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20111227_20200909_02_T2				2011-12-27	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_105106_20110210_20200910_02_T2	2011-2-10	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_106106_20121220_20200908_02_T2	2012-12-20	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_106106_20130206_20200908_02_T2	2013-2-6	Landsat 7
CHAP	Chappel Island	-66.18	110.42	LE07_L1GT_104107_20130208_20200908_02_T2	2013-2-8	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_136107_20011122_20200917_02_T2	2001-11-22	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_134107_20021127_20200916_02_T2	2002-11-27	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_135107_20021204_20200916_02_T2	2002-12-4	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_134108_20060122_20200914_02_T2	2006-1-22	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_135107_20070217_20200913_02_T2	2007-2-17	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_135107_20080119_20200913_02_T2	2008-1-19	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_136107_20080126_20200913_02_T2	2008-1-26	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_135107_20080204_20200912_02_T2	2008-2-4	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_135107_20090121_20200912_02_T2	2009-1-21	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_135107_20090105_20200912_02_T2	2009-1-5	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_134108_20091114_20200911_02_T2	2009-11-14	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_134108_20091130_20200911_02_T2	2009-11-30	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_134108_20100101_20200911_02_T2	2010-1-1	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_135107_20100108_20200911_02_T2	2010-1-8	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_134108_20101203_20200910_02_T2	2010-12-3	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_135107_20100209_20200911_02_T2	2010-2-9	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_135107_20110127_20200910_02_T2	2011-1-27	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_136107_20111220_20200909_02_T2	2011-12-20	Landsat 7
CHI2	Child Rocks Islands 2	-67.44	63.28	LE07_L1GT_135107_20121231_20200908_02_T2	2012-12-31	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LT04_L1GS_084107_19900127_20200916_02_T2	1990-1-27	Landsat 4
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_085107_19991229_20200918_02_T2	1999-12-29	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20000123_20200918_02_T2	2000-1-23	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20011227_20200917_02_T2	2001-12-27	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_085107_20021119_20200916_02_T2	2002-11-19	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20021121_20200916_02_T2	2002-11-21	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20021214_20200916_02_T2	2002-12-14	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20021230_20200916_02_T2	2002-12-30	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20040127_20200915_02_T2	2004-1-27	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20040228_20200915_02_T2	2004-2-28	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20061123_20200913_02_T2	2006-11-23	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20061202_20200913_02_T2	2006-12-2	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20061225_20200913_02_T2	2006-12-25	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20070103_20200913_02_T2	2007-1-3	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_085107_20071101_20200913_02_T2	2007-11-1	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20071110_20200913_02_T2	2007-11-10	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20071126_20200913_02_T2	2007-11-26	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_085107_20071203_20200913_02_T2	2007-12-3	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20070211_20200913_02_T2	2007-2-11	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20081112_20200913_02_T2	2008-11-12	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20081128_20200912_02_T2	2008-11-28	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20081223_20200912_02_T2	2008-12-23	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20091115_20200911_02_T2	2009-11-15	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_085107_20091106_20200911_02_T2	2009-11-6	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20091108_20200911_02_T2	2009-11-8	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_085107_20091224_20200911_02_T2	2009-12-24	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20101229_20200910_02_T2	2010-12-29	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20101204_20200910_02_T2	2010-12-4	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20100203_20200911_02_T2	2010-2-3	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20110114_20200910_02_T2	2011-1-14	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20110105_20200910_02_T2	2011-1-5	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20110215_20201008_02_T2	2011-2-15	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20110222_20200910_02_T2	2011-2-22	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20120117_20200909_02_T2	2012-1-17	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_083107_20120218_20200909_02_T2	2012-2-18	Landsat 7
CHUN	Cape Hunter	-66.96	142.35	LE07_L1GT_084107_20130211_20200908_02_T2	2013-2-11	Landsat 7
CMID	Coulman Middle	-73.44	169.89	LE07_L1GT_059112_20000124_20200918_02_T2	2000-1-24	Landsat 7
CMID	Coulman Middle	-73.44	169.89	LE07_L1GT_061112_20090114_20200912_02_T2	2009-1-14	Landsat 7
CMID	Coulman Middle	-73.44	169.89	LE07_L1GT_062112_20090105_20200912_02_T2	2009-1-5	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CMID	Coulman Middle	-73.44	169.89	LE07_L1GT_062112_20101210_20200910_02_T2	2010-12-10	Landsat 7
CMID	Coulman Middle	-73.44	169.89	LE07_L1GT_061112_20110120_20200910_02_T2	2011-1-20	Landsat 7
CMID	Coulman Middle	-73.44	169.89	LE07_L1GT_060112_20120201_20200909_02_T2	2012-2-1	Landsat 7
CMID	Coulman Middle	-73.44	169.89	LE07_L1GT_062112_20130116_20200908_02_T2	2013-1-16	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LT05_L1GS_215105_19841124_20200918_02_T2	1984-11-24	Landsat 5
COCK	Cockburn Island	-64.20	-56.84	LT04_L1GS_215105_19880229_20200917_02_T2	1988-2-29	Landsat 4
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_216105_20000221_20200918_02_T2	2000-2-21	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20000223_20200918_02_T2	2000-2-23	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_216105_20010106_20200917_02_T2	2001-1-6	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20010108_20200917_02_T2	2001-1-8	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20011124_20200917_02_T2	2001-11-24	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_216105_20021227_20200916_02_T2	2002-12-27	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_215105_20030222_20200916_02_T2	2003-2-22	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_215105_20040225_20200915_02_T2	2004-2-25	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20060106_20200914_02_T2	2006-1-6	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_216105_20061206_20200913_02_T2	2006-12-6	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20061208_20200913_02_T2	2006-12-8	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20060223_20200914_02_T2	2006-2-23	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_216105_20060205_20200914_02_T2	2006-2-5	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_216105_20070123_20200913_02_T2	2007-1-23	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20070125_20200913_02_T2	2007-1-25	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_216105_20070107_20200913_02_T2	2007-1-7	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20071227_20200913_02_T2	2007-12-27	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_216105_20080126_20200913_02_T2	2008-1-26	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20081213_20200912_02_T2	2008-12-13	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_216105_20110219_20201008_02_T2	2011-2-19	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20110205_20201008_02_T2	2011-2-5	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_215105_20121113_20200908_02_T2	2012-11-13	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_216105_20120222_20200909_02_T2	2012-2-22	Landsat 7
COCK	Cockburn Island	-64.20	-56.84	LE07_L1GT_214105_20120224_20200909_02_T2	2012-2-24	Landsat 7
CONE	Cone Island	-67.67	-69.15	LT05_L1GS_220108_19860218_20200918_02_T2	1986-2-18	Landsat 5
CONE	Cone Island	-67.67	-69.15	LT04_L1GS_221108_19900127_20200916_02_T2	1990-1-27	Landsat 4

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CONE	Cone Island	-67.67	-69.15	LT05_L1GS_219108_19910209_20200915_02_T2	1991-2-9	Landsat 5
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_220108_20010118_20200917_02_T2	2001-1-18	Landsat 7
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_221108_20010210_20200917_02_T2	2001-2-10	Landsat 7
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_220108_20010219_20200917_02_T2	2001-2-19	Landsat 7
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_221107_20040203_20200915_02_T2	2004-2-3	Landsat 7
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_221107_20091201_20200911_02_T2	2009-12-1	Landsat 7
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_220108_20100212_20200911_02_T2	2010-2-12	Landsat 7
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_220108_20110114_20200910_02_T2	2011-1-14	Landsat 7
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_221107_20110121_20200910_02_T2	2011-1-21	Landsat 7
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_221107_20110206_20200910_02_T2	2011-2-6	Landsat 7
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_220108_20120218_20200909_02_T2	2012-2-18	Landsat 7
CONE	Cone Island	-67.67	-69.15	LE07_L1GT_220108_20130220_20200908_02_T2	2013-2-20	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_060111_19991230_20200918_02_T2	1999-12-30	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_061111_20010124_20200917_02_T2	2001-1-24	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_063111_20011122_20200917_02_T2	2001-11-22	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111_20021118_20200916_02_T2	2002-11-18	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_060111_20061201_20200913_02_T2	2006-12-1	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111_20061231_20200913_02_T2	2006-12-31	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_063111_20061206_20200913_02_T2	2006-12-6	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_061111_20061208_20200913_02_T2	2006-12-8	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111_20070116_20200913_02_T2	2007-1-16	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_063111_20070107_20200913_02_T2	2007-1-7	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_061111_20070109_20200913_02_T2	2007-1-9	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_063111_20071123_20200913_02_T2	2007-11-23	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_061111_20071211_20200913_02_T2	2007-12-11	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_060111_20071220_20200913_02_T2	2007-12-20	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111_20070217_20200913_02_T2	2007-2-17	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_060111_20081120_20200912_02_T2	2008-11-20	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_063111_20081109_20200913_02_T2	2008-11-9	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_060111_20081222_20200912_02_T2	2008-12-22	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_061111_20090114_20200912_02_T2	2009-1-14	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111	20090121	20200912_02_T2		2009-1-21	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111	20091207	20200911_02_T2		2009-12-7	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_060111	20101110	20200911_02_T2		2010-11-10	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111	20101124	20200910_02_T2		2010-11-24	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111	20101210	20200910_02_T2		2010-12-10	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_060111	20101212	20200910_02_T2		2010-12-12	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111	20101226	20200910_02_T2		2010-12-26	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_063111	20110118	20200910_02_T2		2011-1-18	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_061111	20110120	20200910_02_T2		2011-1-20	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_061111	20110104	20200910_02_T2		2011-1-4	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_060111	20111113	20200909_02_T2		2011-11-13	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_061111	20111104	20200909_02_T2		2011-11-4	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_063111	20110219	20200910_02_T2		2011-2-19	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_061111	20120107	20200909_02_T2		2012-1-7	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111	20121113	20200908_02_T2		2012-11-13	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111	20121129	20200908_02_T2		2012-11-29	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_063111	20121104	20200908_02_T2		2012-11-4	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_061111	20120208	20200909_02_T2		2012-2-8	Landsat 7
COTT	Cape Cotter	-72.40	170.31	LE07_L1GT_062111	20130116	20200908_02_T2		2013-1-16	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LT05_L1GS_055115	19850126	20200918_02_T2		1985-1-26	Landsat 5
CRZE	Cape Crozier (east)	-77.46	169.29	LT05_L1GS_056115	19860104	20200918_02_T2		1986-1-4	Landsat 5
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115	19991213	20200918_02_T2		1999-12-13	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115	19991218	20200918_02_T2		1999-12-18	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_050116	19991224	20200918_02_T2		1999-12-24	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115	19991227	20200918_02_T2		1999-12-27	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115	20000112	20200918_02_T2		2000-1-12	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116	20000116	20200918_02_T2		2000-1-16	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115	20001113	20200918_02_T2		2000-11-13	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115	20011116	20200917_02_T2		2001-11-16	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115	20011121	20200917_02_T2		2001-11-21	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115	20011130	20200917_02_T2		2001-11-30	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116	20011227	20200917_02_T2		2001-12-27	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20011204_20200917_02_T2	2001-12-4	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20011207_20200917_02_T2	2001-12-7	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20011209_20200917_02_T2	2001-12-9	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20021117_20200916_02_T2	2002-11-17	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20021119_20200916_02_T2	2002-11-19	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20021126_20200916_02_T2	2002-11-26	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20021205_20200916_02_T2	2002-12-5	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20040116_20200915_02_T2	2004-1-16	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20040123_20200915_02_T2	2004-1-23	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20040107_20200915_02_T2	2004-1-7	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20040212_20200915_02_T2	2004-2-12	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052115_20040219_20200915_02_T2	2004-2-19	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116_20040203_20200915_02_T2	2004-2-3	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20050127_20200914_02_T2	2005-1-27	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20050129_20200914_02_T2	2005-1-29	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20050201_20200914_02_T2	2005-2-1	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20050214_20200915_02_T2	2005-2-14	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20061128_20200913_02_T2	2006-11-28	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20061205_20200913_02_T2	2006-12-5	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20061207_20200913_02_T2	2006-12-7	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20070101_20200913_02_T2	2007-1-1	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20070117_20200913_02_T2	2007-1-17	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116_20071212_20200913_02_T2	2007-12-12	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_050116_20071214_20210219_02_T2	2007-12-14	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20071203_20200913_02_T2	2007-12-3	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20070202_20200913_02_T2	2007-2-2	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20080102_20200913_02_T2	2008-1-2	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20081110_20200912_02_T2	2008-11-10	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_050116_20081114_20200913_02_T2	2008-11-14	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20081117_20200913_02_T2	2008-11-17	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20081119_20200912_02_T2	2008-11-19	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_050116_20081130_20200912_02_T2	2008-11-30	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20081108_20200913_02_T2	2008-11-8	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20081210_20200912_02_T2	2008-12-10	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116_20081214_20200912_02_T2	2008-12-14	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20081219_20200912_02_T2	2008-12-19	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116_20081230_20200912_02_T2	2008-12-30	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20081207_20200912_02_T2	2008-12-7	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20080210_20200912_02_T2	2008-2-10	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_050116_20090101_20200912_02_T2	2009-1-1	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20090122_20200912_02_T2	2009-1-22	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_050116_20091117_20200911_02_T2	2009-11-17	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20091104_20200911_02_T2	2009-11-4	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20091106_20200911_02_T2	2009-11-6	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116_20091201_20200911_02_T2	2009-12-1	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20091215_20200911_02_T2	2009-12-15	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20091231_20200911_02_T2	2009-12-31	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20100111_20200911_02_T2	2010-1-11	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052115_20100102_20200911_02_T2	2010-1-2	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_050116_20100120_20200911_02_T2	2010-1-20	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20101111_20200910_02_T2	2010-11-11	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20101116_20200910_02_T2	2010-11-16	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116_20101118_20200910_02_T2	2010-11-18	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20101123_20200910_02_T2	2010-11-23	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20101127_20200910_02_T2	2010-11-27	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20101109_20200910_02_T2	2010-11-9	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20101211_20200910_02_T2	2010-12-11	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20101216_20200910_02_T2	2010-12-16	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116_20101220_20200910_02_T2	2010-12-20	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20101225_20200910_02_T2	2010-12-25	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20101209_20200910_02_T2	2010-12-9	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20110117_20200910_02_T2	2011-1-17	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20111101_20200909_02_T2	2011-11-1	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20111114_20200909_02_T2	2011-11-14	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20111117_20200909_02_T2	2011-11-17	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20111128_20200909_02_T2	2011-11-28	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20111103_20200909_02_T2	2011-11-3	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20111130_20200909_02_T2	2011-11-30	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_050116_20111107_20200909_02_T2	2011-11-7	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20111212_20200909_02_T2	2011-12-12	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20111230_20200909_02_T2	2011-12-30	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20110204_20200910_02_T2	2011-2-4	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20120113_20200909_02_T2	2012-1-13	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20120120_20200909_02_T2	2012-1-20	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_055115_20120129_20200909_02_T2	2012-1-29	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20120131_20200909_02_T2	2012-1-31	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20121116_20200908_02_T2	2012-11-16	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116_20121123_20200908_02_T2	2012-11-23	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20121130_20200908_02_T2	2012-11-30	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20121105_20200908_02_T2	2012-11-5	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116_20121107_20200908_02_T2	2012-11-7	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_051116_20121202_20200908_02_T2	2012-12-2	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_050116_20121227_20200908_02_T2	2012-12-27	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20121205_20200908_02_T2	2012-12-5	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20120207_20200909_02_T2	2012-2-7	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_052116_20120209_20200909_02_T2	2012-2-9	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20130101_20200908_02_T2	2013-1-1	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_053115_20130117_20200908_02_T2	2013-1-17	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_056115_20130122_20200908_02_T2	2013-1-22	Landsat 7
CRZE	Cape Crozier (east)	-77.46	169.29	LE07_L1GT_054115_20130124_20200908_02_T2	2013-1-24	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LT05_L1GS_055115_19850126_20200918_02_T2	1985-1-26	Landsat 5
CRZW	Cape Crozier (west)	-77.45	169.24	LT05_L1GS_056115_19860104_20200918_02_T2	1986-1-4	Landsat 5
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_19991213_20200918_02_T2	1999-12-13	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_19991218_20200918_02_T2	1999-12-18	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_19991224_20200918_02_T2	1999-12-24	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_19991227_20200918_02_T2	1999-12-27	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20000112_20200918_02_T2	2000-1-12	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20000116_20200918_02_T2	2000-1-16	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20001113_20200918_02_T2	2000-11-13	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20011116_20200917_02_T2	2001-11-16	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20011121_20200917_02_T2	2001-11-21	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20011130_20200917_02_T2	2001-11-30	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20011227_20200917_02_T2	2001-12-27	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20011204_20200917_02_T2	2001-12-4	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20011207_20200917_02_T2	2001-12-7	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20011209_20200917_02_T2	2001-12-9	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20021117_20200916_02_T2	2002-11-17	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20021119_20200916_02_T2	2002-11-19	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20021126_20200916_02_T2	2002-11-26	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20021205_20200916_02_T2	2002-12-5	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20040116_20200915_02_T2	2004-1-16	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20040123_20200915_02_T2	2004-1-23	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20040130_20200915_02_T2	2004-1-30	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20040107_20200915_02_T2	2004-1-7	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20040212_20200915_02_T2	2004-2-12	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052115_20040219_20200915_02_T2	2004-2-19	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20040203_20200915_02_T2	2004-2-3	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20040205_20200915_02_T2	2004-2-5	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20050127_20200914_02_T2	2005-1-27	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20050129_20200914_02_T2	2005-1-29	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20050201_20200914_02_T2	2005-2-1	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20050214_20200915_02_T2	2005-2-14	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20061128_20200913_02_T2	2006-11-28	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20061202_20200913_02_T2	2006-12-2	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20061205_20200913_02_T2	2006-12-5	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20061207_20200913_02_T2	2006-12-7	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20070101_20200913_02_T2	2007-1-1	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20070117_20200913_02_T2	2007-1-17	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20071212_20200913_02_T2	2007-12-12	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20071214_20210219_02_T2	2007-12-14	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20071203_20200913_02_T2	2007-12-3	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20070202_20200913_02_T2	2007-2-2	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20080113_20200913_02_T2	2008-1-13	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20080102_20200913_02_T2	2008-1-2	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20081110_20200912_02_T2	2008-11-10	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20081114_20200913_02_T2	2008-11-14	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20081117_20200913_02_T2	2008-11-17	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20081119_20200912_02_T2	2008-11-19	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20081130_20200912_02_T2	2008-11-30	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20081108_20200913_02_T2	2008-11-8	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20081210_20200912_02_T2	2008-12-10	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20081214_20200912_02_T2	2008-12-14	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20081216_20200912_02_T2	2008-12-16	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20081219_20200912_02_T2	2008-12-19	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20081230_20200912_02_T2	2008-12-30	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20081207_20200912_02_T2	2008-12-7	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20080210_20200912_02_T2	2008-2-10	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20090101_20200912_02_T2	2009-1-1	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20090122_20200912_02_T2	2009-1-22	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20091117_20200911_02_T2	2009-11-17	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20091104_20200911_02_T2	2009-11-4	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20091106_20200911_02_T2	2009-11-6	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20091201_20200911_02_T2	2009-12-1	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20091215_20200911_02_T2	2009-12-15	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20091231_20200911_02_T2	2009-12-31	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20100111_20200911_02_T2	2010-1-11	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052115_20100102_20200911_02_T2	2010-1-2	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20100120_20200911_02_T2	2010-1-20	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20101111_20200910_02_T2	2010-11-11	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20101116_20200910_02_T2	2010-11-16	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20101118_20200910_02_T2	2010-11-18	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20101123_20200910_02_T2	2010-11-23	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20101127_20200910_02_T2	2010-11-27	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20101104_20200910_02_T2	2010-11-4	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20101107_20200910_02_T2	2010-11-7	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20101109_20200910_02_T2	2010-11-9	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20101211_20200910_02_T2	2010-12-11	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20101216_20200910_02_T2	2010-12-16	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20101220_20200910_02_T2	2010-12-20	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20101225_20200910_02_T2	2010-12-25	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20101206_20200910_02_T2	2010-12-6	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20101209_20200910_02_T2	2010-12-9	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20110117_20200910_02_T2	2011-1-17	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20111101_20200909_02_T2	2011-11-1	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20111114_20200909_02_T2	2011-11-14	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20111117_20200909_02_T2	2011-11-17	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20111128_20200909_02_T2	2011-11-28	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20111103_20200909_02_T2	2011-11-3	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20111130_20200909_02_T2	2011-11-30	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20111107_20200909_02_T2	2011-11-7	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20111212_20200909_02_T2	2011-12-12	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20111230_20200909_02_T2	2011-12-30	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20110204_20200910_02_T2	2011-2-4	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20120113_20200909_02_T2	2012-1-13	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20120120_20200909_02_T2	2012-1-20	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_055115_20120129_20200909_02_T2	2012-1-29	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20120131_20200909_02_T2	2012-1-31	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20121116_20200908_02_T2	2012-11-16	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20121123_20200908_02_T2	2012-11-23	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20121130_20200908_02_T2	2012-11-30	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20121105_20200908_02_T2	2012-11-5	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20121107_20200908_02_T2	2012-11-7	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20121109_20200908_02_T2	2012-11-9	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_051116_20121202_20200908_02_T2	2012-12-2	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_050116_20121227_20200908_02_T2	2012-12-27	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20121205_20200908_02_T2	2012-12-5	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20120207_20200909_02_T2	2012-2-7	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_052116_20120209_20200909_02_T2	2012-2-9	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20130101_20200908_02_T2	2013-1-1	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_053115_20130117_20200908_02_T2	2013-1-17	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_056115_20130122_20200908_02_T2	2013-1-22	Landsat 7
CRZW	Cape Crozier (west)	-77.45	169.24	LE07_L1GT_054115_20130124_20200908_02_T2	2013-1-24	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_060112_19991230_20200918_02_T2	1999-12-30	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_061112_20010124_20200917_02_T2	2001-1-24	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_060112_20061201_20200913_02_T2	2006-12-1	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_060112_20061217_20200913_02_T2	2006-12-17	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_061112_20061208_20200913_02_T2	2006-12-8	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_062112_20070116_20200913_02_T2	2007-1-16	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_061112_20070109_20200913_02_T2	2007-1-9	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_061112_20071211_20200913_02_T2	2007-12-11	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_062112_20071202_20200913_02_T2	2007-12-2	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_060112_20081120_20200913_02_T2	2008-11-20	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_062112_20081220_20200912_02_T2	2008-12-20	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_060112_20081222_20200912_02_T2	2008-12-22	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_060112_20090123_20200912_02_T2	2009-1-23	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_062112_20090105_20200912_02_T2	2009-1-5	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_062112_20091207_20200911_02_T2	2009-12-7	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_062112_20101210_20200910_02_T2	2010-12-10	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_062112_20101226_20200910_02_T2	2010-12-26	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_061112_20110120_20200910_02_T2	2011-1-20	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_061112_20110104_20200910_02_T2	2011-1-4	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_061112_20111120_20200909_02_T2	2011-11-20	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_061112_20120107_20200909_02_T2	2012-1-7	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_061112_20120208_20200909_02_T2	2012-2-8	Landsat 7
CSOU	Coulman South	-73.51	169.88	LE07_L1GT_062112_20130116_20200908_02_T2	2013-1-16	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LT05_L1GS_086107_19890114_20200916_02_T2	1989-1-14	Landsat 5
CURZ	Curzon Islands	-66.77	141.57	LT04_L1GS_084107_19900127_20200916_02_T2	1990-1-27	Landsat 4
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_085107_19991229_20200918_02_T2	1999-12-29	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20000123_20200918_02_T2	2000-1-23	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20000206_20200918_02_T2	2000-2-6	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20011227_20200917_02_T2	2001-12-27	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20011209_20200917_02_T2	2001-12-9	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20021126_20200916_02_T2	2002-11-26	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20021214_20200916_02_T2	2002-12-14	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20061123_20200913_02_T2	2006-11-23	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20061225_20200913_02_T2	2006-12-25	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20061209_20200913_02_T2	2006-12-9	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20070124_20200913_02_T2	2007-1-24	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20071110_20200913_02_T2	2007-11-10	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20071210_20200913_02_T2	2007-12-10	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_085107_20071203_20200913_02_T2	2007-12-3	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20070211_20200913_02_T2	2007-2-11	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20081112_20200913_02_T2	2008-11-12	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20081126_20200912_02_T2	2008-11-26	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20081212_20200912_02_T2	2008-12-12	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20090129_20200912_02_T2	2009-1-29	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20091113_20200911_02_T2	2009-11-13	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20091129_20200911_02_T2	2009-11-29	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20091215_20200911_02_T2	2009-12-15	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_085107_20091224_20200911_02_T2	2009-12-24	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20091231_20200911_02_T2	2009-12-31	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20100203_20200911_02_T2	2010-2-3	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20110105_20200910_02_T2	2011-1-5	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20110220_20200910_02_T2				2011-2-20	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20110222_20200910_02_T2				2011-2-22	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_086107_20110204_20200910_02_T2				2011-2-4	Landsat 7
CURZ	Curzon Islands	-66.77	141.57	LE07_L1GT_084107_20130211_20200908_02_T2				2013-2-11	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20000223_20200918_02_T2				2000-2-23	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20011124_20200917_02_T2				2001-11-24	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20021229_20200916_02_T2				2002-12-29	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20040218_20200915_02_T2				2004-2-18	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20040202_20200915_02_T2				2004-2-2	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_215104_20040225_20200915_02_T2				2004-2-25	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_215104_20050110_20200915_02_T2				2005-1-10	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20050119_20200915_02_T2				2005-1-19	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_215104_20051228_20200914_02_T2				2005-12-28	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_215104_20061215_20200913_02_T2				2006-12-15	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_215104_20061231_20200913_02_T2				2006-12-31	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20060223_20200914_02_T2				2006-2-23	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20070125_20200913_02_T2				2007-1-25	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20071227_20200913_02_T2				2007-12-27	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20080112_20200913_02_T2				2008-1-12	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_215104_20080103_20200913_02_T2				2008-1-3	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20081213_20200912_02_T2				2008-12-13	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_215104_20081204_20200912_02_T2				2008-12-4	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20110205_20200910_02_T2				2011-2-5	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_215104_20121215_20200908_02_T2				2012-12-15	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_215104_20121231_20200908_02_T2				2012-12-31	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20120224_20200909_02_T2				2012-2-24	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_215104_20130116_20200908_02_T2				2013-1-16	Landsat 7
DALR	Dalrymple Point	-63.18	-55.39	LE07_L1GT_214104_20130210_20200908_02_T2				2013-2-10	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_106107_20000102_20200918_02_T2				2000-1-2	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_107107_20021216_20200916_02_T2				2002-12-16	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_105107_20021218_20200916_02_T2				2002-12-18	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_105107_20070114_20200913_02_T2				2007-1-14	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_106107_20070121_20200913_02_T2	2007-1-21	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_106107_20070105_20200913_02_T2	2007-1-5	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_105107_20080117_20200913_02_T2	2008-1-17	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_105107_20080218_20200912_02_T2	2008-2-18	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_106107_20080209_20200912_02_T2	2008-2-9	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_106107_20090110_20200912_02_T2	2009-1-10	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_105107_20090204_20200912_02_T2	2009-2-4	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_105107_20101122_20200910_02_T2	2010-11-22	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_106107_20101129_20200910_02_T2	2010-11-29	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_106107_20101231_20200910_02_T2	2010-12-31	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_106107_20100214_20200911_02_T2	2010-2-14	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_107107_20100221_20200911_02_T2	2010-2-21	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_105107_20111227_20200909_02_T2	2011-12-27	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_107107_20110224_20200910_02_T2	2011-2-24	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_107107_20120126_20200909_02_T2	2012-1-26	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_105107_20120128_20200909_02_T2	2012-1-28	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_106107_20121220_20200908_02_T2	2012-12-20	Landsat 7
DAVI	Davis Island	-66.66	108.44	LE07_L1GT_107107_20120227_20200909_02_T2	2012-2-27	Landsat 7
DENI	Cape Denison	-67.01	142.66	LT04_L1GS_084107_19900127_20200916_02_T2	1990-1-27	Landsat 4
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_085107_19991229_20200918_02_T2	1999-12-29	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20000123_20200918_02_T2	2000-1-23	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20011227_20200917_02_T2	2001-12-27	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20021214_20200916_02_T2	2002-12-14	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_083107_20040127_20200915_02_T2	2004-1-27	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20061225_20200913_02_T2	2006-12-25	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_083107_20070103_20200913_02_T2	2007-1-3	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20071110_20200913_02_T2	2007-11-10	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20071126_20200913_02_T2	2007-11-26	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_085107_20071203_20200913_02_T2	2007-12-3	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_083107_20071205_20200913_02_T2	2007-12-5	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20070211_20200913_02_T2	2007-2-11	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20081112_20200913_02_T2	2008-11-12	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20081128_20200912_02_T2	2008-11-28	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_085107_20091106_20200911_02_T2	2009-11-6	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20101204_20200910_02_T2	2010-12-4	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20100203_20200911_02_T2	2010-2-3	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_084107_20110105_20200910_02_T2	2011-1-5	Landsat 7
DENI	Cape Denison	-67.01	142.66	LE07_L1GT_083107_20120117_20200909_02_T2	2012-1-17	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LT04_L1GS_215105_19880229_20200917_02_T2	1988-2-29	Landsat 4
DEVI	Devil Island	-63.80	-57.29	LT04_L1GS_216105_19900209_20200916_02_T2	1990-2-9	Landsat 4
DEVI	Devil Island	-63.80	-57.29	LT05_L1GS_214105_19961102_20200911_02_T2	1996-11-2	Landsat 5
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20000221_20200918_02_T2	2000-2-21	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20010106_20200917_02_T2	2001-1-6	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20011122_20200917_02_T2	2001-11-22	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20021227_20200916_02_T2	2002-12-27	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_215105_20040225_20200915_02_T2	2004-2-25	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_215105_20040209_20200915_02_T2	2004-2-9	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_215105_20051228_20200914_02_T2	2005-12-28	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_215105_20050211_20200914_02_T2	2005-2-11	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_215105_20061215_20200913_02_T2	2006-12-15	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20061206_20200913_02_T2	2006-12-6	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20060221_20200914_02_T2	2006-2-21	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20060205_20200914_02_T2	2006-2-5	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20070123_20200913_02_T2	2007-1-23	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20070107_20200913_02_T2	2007-1-7	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_214105_20071227_20200913_02_T2	2007-12-27	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_215105_20070217_20200913_02_T2	2007-2-17	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20080126_20200913_02_T2	2008-1-26	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_215105_20080103_20200913_02_T2	2008-1-3	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_214105_20081213_20200912_02_T2	2008-12-13	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_214105_20081229_20200912_02_T2	2008-12-29	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_215105_20081204_20200912_02_T2	2008-12-4	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20090112_20200912_02_T2	2009-1-12	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_214105_20100101_20200911_02_T2	2010-1-1	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_216105_20110219_20201008_02_T2	2011-2-19	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_215105_20121215_20200908_02_T2	2012-12-15	Landsat 7
DEVI	Devil Island	-63.80	-57.29	LE07_L1GT_215105_20121231_20200908_02_T2	2012-12-31	Landsat 7
DOU2	Douglas Islands 2	-67.38	63.39	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7
DOU2	Douglas Islands 2	-67.38	63.39	LE07_L1GT_134108_20060122_20200914_02_T2	2006-1-22	Landsat 7
DOU2	Douglas Islands 2	-67.38	63.39	LE07_L1GT_135107_20100108_20200911_02_T2	2010-1-8	Landsat 7
DOU2	Douglas Islands 2	-67.38	63.39	LE07_L1GT_134107_20120123_20200909_02_T2	2012-1-23	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_062110_20010131_20200917_02_T2	2001-1-31	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_061111_20011210_20200917_02_T2	2001-12-10	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_062110_20061231_20200913_02_T2	2006-12-31	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_063110_20070107_20200913_02_T2	2007-1-7	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_061111_20071211_20200913_02_T2	2007-12-11	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_063110_20071209_20200913_02_T2	2007-12-9	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_063110_20081125_20200912_02_T2	2008-11-25	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_063110_20081109_20200912_02_T2	2008-11-9	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_060111_20081222_20200912_02_T2	2008-12-22	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_060111_20091107_20200911_02_T2	2009-11-7	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_062110_20091207_20200911_02_T2	2009-12-7	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_062110_20101124_20200910_02_T2	2010-11-24	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_062110_20101210_20200910_02_T2	2010-12-10	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_063110_20110118_20200910_02_T2	2011-1-18	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_060111_20111113_20200909_02_T2	2011-11-13	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_063110_20111102_20200909_02_T2	2011-11-2	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_062111_20121113_20200908_02_T2	2012-11-13	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_060111_20121115_20200908_02_T2	2012-11-15	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_062111_20121129_20200908_02_T2	2012-11-29	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_063110_20121104_20200908_02_T2	2012-11-4	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_062111_20121215_20200908_02_T2	2012-12-15	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_061111_20120208_20200909_02_T2	2012-2-8	Landsat 7
DOWN	Downshire Cliffs	-71.56	170.59	LE07_L1GT_062111_20130217_20200908_02_T2	2013-2-17	Landsat 7
DREA	Dream Island	-64.73	-64.23	LT04_L1GS_218106_19880117_20200917_02_T2	1988-1-17	Landsat 4

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
DREA	Dream Island	-64.73	-64.23	LT05_L1GS_219105_19910209_20200915_02_T2	1991-2-9	Landsat 5
DREA	Dream Island	-64.73	-64.23	LE07_L1GT_218106_20010221_20200917_02_T2	2001-2-21	Landsat 7
DREA	Dream Island	-64.73	-64.23	LE07_L1GT_220105_20130103_20200908_02_T2	2013-1-3	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LT04_L1GS_064110_19891128_20200916_02_T2	1989-11-28	Landsat 4
DUKE	Duke of York Island	-71.62	170.06	LT04_L1GS_064110_19891230_20200916_02_T2	1989-12-30	Landsat 4
DUKE	Duke of York Island	-71.62	170.06	LT04_L1GS_062111_19900218_20200916_02_T2	1990-2-18	Landsat 4
DUKE	Duke of York Island	-71.62	170.06	LT05_L1GS_062111_19910213_20200915_02_T2	1991-2-13	Landsat 5
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20000120_20200918_02_T2	2000-1-20	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20011122_20200917_02_T2	2001-11-22	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_061111_20011210_20200917_02_T2	2001-12-10	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_061111_20010225_20200917_02_T2	2001-2-25	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20030103_20200916_02_T2	2003-1-3	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20061231_20200913_02_T2	2006-12-31	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20061206_20200913_02_T2	2006-12-6	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20070114_20200913_02_T2	2007-1-14	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20070116_20200913_02_T2	2007-1-16	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20070107_20200913_02_T2	2007-1-7	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_061111_20070109_20200913_02_T2	2007-1-9	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20071123_20200913_02_T2	2007-11-23	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20071209_20200913_02_T2	2007-12-9	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20081116_20200913_02_T2	2008-11-16	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20081125_20200912_02_T2	2008-11-25	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_061111_20081127_20200912_02_T2	2008-11-27	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20081109_20200912_02_T2	2008-11-9	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20081220_20200912_02_T2	2008-12-20	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20081227_20200912_02_T2	2008-12-27	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20090103_20200912_02_T2	2009-1-3	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20091121_20200911_02_T2	2009-11-21	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20091128_20200911_02_T2	2009-11-28	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20091103_20200911_02_T2	2009-11-3	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20091105_20200911_02_T2	2009-11-5	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_061111_20091216_20200911_02_T2	2009-12-16	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20091221_20200911_02_T2	2009-12-21	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20091207_20200911_02_T2	2009-12-7	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_061111_20090215_20200912_02_T2	2009-2-15	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20101122_20200910_02_T2	2010-11-22	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20101124_20200910_02_T2	2010-11-24	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20101106_20200910_02_T2	2010-11-6	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20101201_20200910_02_T2	2010-12-1	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20101210_20200910_02_T2	2010-12-10	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20101226_20200910_02_T2	2010-12-26	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20101208_20200910_02_T2	2010-12-8	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20110111_20200910_02_T2	2011-1-11	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20110102_20200910_02_T2	2011-1-2	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_061111_20111222_20200909_02_T2	2011-12-22	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_063110_20110219_20200910_02_T2	2011-2-19	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_061111_20120107_20200909_02_T2	2012-1-7	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20121111_20200908_02_T2	2012-11-11	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20121113_20200908_02_T2	2012-11-13	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20121129_20200908_02_T2	2012-11-29	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20121229_20200908_02_T2	2012-12-29	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_061111_20120208_20200909_02_T2	2012-2-8	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_064110_20130114_20200908_02_T2	2013-1-14	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20130116_20200908_02_T2	2013-1-16	Landsat 7
DUKE	Duke of York Island	-71.62	170.06	LE07_L1GT_062111_20130217_20200908_02_T2	2013-2-17	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LT04_L1GS_215104_19880229_20200917_02_T2	1988-2-29	Landsat 4
EDEN	Eden Rocks	-63.49	-55.70	LT04_L1GS_214105_19880206_20200917_02_T2	1988-2-6	Landsat 4
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214105_20010108_20200917_02_T2	2001-1-8	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214104_20011124_20200917_02_T2	2001-11-24	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20011201_20200917_02_T2	2001-12-1	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20030222_20200916_02_T2	2003-2-22	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214105_20040202_20200915_02_T2	2004-2-2	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20040225_20200915_02_T2	2004-2-25	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20050110_20200915_02_T2				2005-1-10	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214105_20060106_20200914_02_T2				2006-1-6	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20061215_20200913_02_T2				2006-12-15	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20061231_20200913_02_T2				2006-12-31	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214105_20061208_20200913_02_T2				2006-12-8	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214105_20060223_20200914_02_T2				2006-2-23	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214105_20071227_20200913_02_T2				2007-12-27	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214105_20070210_20200913_02_T2				2007-2-10	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20070217_20200913_02_T2				2007-2-17	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214105_20081213_20200912_02_T2				2008-12-13	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214105_20081229_20200912_02_T2				2008-12-29	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20081204_20200912_02_T2				2008-12-4	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20110127_20200910_02_T2				2011-1-27	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_214105_20110205_20201008_02_T2				2011-2-5	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20121215_20200908_02_T2				2012-12-15	Landsat 7
EDEN	Eden Rocks	-63.49	-55.70	LE07_L1GT_215104_20121231_20200908_02_T2				2012-12-31	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LT04_L1GS_004112_19880207_20200917_02_T2				1988-2-7	Landsat 4
EDWI	Edwards Islands	-73.87	-103.01	LT04_L1GS_001113_19890103_20200916_02_T2				1989-1-3	Landsat 4
EDWI	Edwards Islands	-73.87	-103.01	LT04_L1GS_001113_19891221_20200916_02_T2				1989-12-21	Landsat 4
EDWI	Edwards Islands	-73.87	-103.01	LT05_L1GS_004112_19910223_20200915_02_T2				1991-2-23	Landsat 5
EDWI	Edwards Islands	-73.87	-103.01	LT05_L1GS_002113_19970124_20200910_02_T2				1997-1-24	Landsat 5
EDWI	Edwards Islands	-73.87	-103.01	LT05_L1GS_003112_19970131_20200910_02_T2				1997-1-31	Landsat 5
EDWI	Edwards Islands	-73.87	-103.01	LT05_L1GS_004112_19970207_20200910_02_T2				1997-2-7	Landsat 5
EDWI	Edwards Islands	-73.87	-103.01	LT05_L1GS_002113_19970209_20200910_02_T2				1997-2-9	Landsat 5
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20011125_20200917_02_T2				2001-11-25	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_002113_20011213_20200917_02_T2				2001-12-13	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20011202_20200917_02_T2				2001-12-2	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_003112_20011204_20200917_02_T2				2001-12-4	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20010201_20200917_02_T2				2001-2-1	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20021214_20200916_02_T2				2002-12-14	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20021221_20200916_02_T2				2002-12-21	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_002113_20030117_20200916_02_T2				2003-1-17	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier			Date	Satellite
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_003112_20030124_20200916_02_T2			2003-1-24	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20030216_20200916_02_T2			2003-2-16	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20030207_20200916_02_T2			2003-2-7	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_001113_20040214_20200915_02_T2			2004-2-14	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_002113_20040221_20200915_02_T2			2004-2-21	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_002113_20050122_20200915_02_T2			2005-1-22	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20050104_20200915_02_T2			2005-1-4	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20050228_20200915_02_T2			2005-2-28	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_002113_20061227_20200913_02_T2			2006-12-27	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20061209_20200913_02_T2			2006-12-9	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20070117_20200913_02_T2			2007-1-17	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_003112_20070103_20200913_02_T2			2007-1-3	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20071212_20200913_02_T2			2007-12-12	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_001113_20071207_20200913_02_T2			2007-12-7	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20080113_20200913_02_T2			2008-1-13	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20080104_20200913_02_T2			2008-1-4	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20080221_20200912_02_T2			2008-2-21	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20090131_20200912_02_T2			2009-1-31	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_002113_20091219_20200911_02_T2			2009-12-19	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_002113_20090218_20200912_02_T2			2009-2-18	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20100118_20200911_02_T2			2010-1-18	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20100102_20200911_02_T2			2010-1-2	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20100125_20200911_02_T2			2010-1-25	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_001113_20100129_20200911_02_T2			2010-1-29	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_003112_20101213_20200910_02_T2			2010-12-13	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_001113_20101215_20200910_02_T2			2010-12-15	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20101220_20200910_02_T2			2010-12-20	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20101204_20200910_02_T2			2010-12-4	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20100210_20200911_02_T2			2010-2-10	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20110112_20200910_02_T2			2011-1-12	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20110128_20200910_02_T2			2011-1-28	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_002113_20120110_20200909_02_T2			2012-1-10	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20121130_20200908_02_T2	2012-11-30	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_003112_20121202_20200908_02_T2	2012-12-2	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20120216_20200909_02_T2	2012-2-16	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_001113_20120204_20200909_02_T2	2012-2-4	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_004112_20120209_20200909_02_T2	2012-2-9	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_002113_20130213_20200908_02_T2	2013-2-13	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_005112_20130202_20200908_02_T2	2013-2-2	Landsat 7
EDWI	Edwards Islands	-73.87	-103.01	LE07_L1GT_003112_20130204_20200908_02_T2	2013-2-4	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LT05_L1GS_220108_19860218_20200918_02_T2	1986-2-18	Landsat 5
EMPE	Emperor Island	-67.86	-68.71	LT04_L1GS_221108_19891124_20200916_02_T2	1989-11-24	Landsat 4
EMPE	Emperor Island	-67.86	-68.71	LT04_L1GS_219108_19891126_20200916_02_T2	1989-11-26	Landsat 4
EMPE	Emperor Island	-67.86	-68.71	LT04_L1GS_221108_19900127_20200916_02_T2	1990-1-27	Landsat 4
EMPE	Emperor Island	-67.86	-68.71	LT05_L1GS_219108_19910209_20200915_02_T2	1991-2-9	Landsat 5
EMPE	Emperor Island	-67.86	-68.71	LT05_L1GS_221108_19970223_20200910_02_T2	1997-2-23	Landsat 5
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_221108_20011227_20200917_02_T2	2001-12-27	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_219108_20011229_20200917_02_T2	2001-12-29	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_221108_20010210_20200917_02_T2	2001-2-10	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20010219_20200917_02_T2	2001-2-19	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20040127_20200915_02_T2	2004-1-27	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_221108_20040203_20200915_02_T2	2004-2-3	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_221108_20050120_20200915_02_T2	2005-1-20	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20050129_20200914_02_T2	2005-1-29	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_221108_20051120_20200914_02_T2	2005-11-20	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_219108_20051208_20200914_02_T2	2005-12-8	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_219108_20080115_20200913_02_T2	2008-1-15	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20080106_20200913_02_T2	2008-1-6	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20090124_20200912_02_T2	2009-1-24	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20091210_20200911_02_T2	2009-12-10	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_219108_20090202_20200912_02_T2	2009-2-2	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20101213_20200910_02_T2	2010-12-13	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_221108_20110121_20200910_02_T2	2011-1-21	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_221108_20110206_20200910_02_T2	2011-2-6	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_221108_20121123_20200908_02_T2	2012-11-23	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20121202_20200908_02_T2	2012-12-2	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20120218_20200909_02_T2	2012-2-18	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_219108_20130112_20200908_02_T2	2013-1-12	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20130103_20200908_02_T2	2013-1-3	Landsat 7
EMPE	Emperor Island	-67.86	-68.71	LE07_L1GT_220108_20130220_20200908_02_T2	2013-2-20	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LT04_L1GS_137107_19900131_20200916_02_T2	1990-1-31	Landsat 4
FORB	Forbes Glacier	-67.60	62.29	LT04_L1GS_137107_19920121_20200914_02_T2	1992-1-21	Landsat 4
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_135108_20000214_20200918_02_T2	2000-2-14	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_136107_20011122_20200917_02_T2	2001-11-22	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_137107_20021116_20200916_02_T2	2002-11-16	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_136107_20021125_20200916_02_T2	2002-11-25	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_134108_20021127_20200916_02_T2	2002-11-27	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_135108_20021204_20200916_02_T2	2002-12-4	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_135108_20061215_20200913_02_T2	2006-12-15	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_135108_20061231_20200913_02_T2	2006-12-31	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_136107_20070107_20200913_02_T2	2007-1-7	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_135108_20071218_20200913_02_T2	2007-12-18	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_136107_20070224_20200913_02_T2	2007-2-24	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_134108_20080112_20200913_02_T2	2008-1-12	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_136107_20080126_20200913_02_T2	2008-1-26	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_134108_20081127_20200912_02_T2	2008-11-27	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_135108_20090105_20200912_02_T2	2009-1-5	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_136107_20091230_20200911_02_T2	2009-12-30	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_137107_20100122_20200911_02_T2	2010-1-22	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_135108_20100108_20200911_02_T2	2010-1-8	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_135108_20100209_20200911_02_T2	2010-2-9	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_135108_20111213_20200909_02_T2	2011-12-13	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_136107_20111204_20200909_02_T2	2011-12-4	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_134108_20111206_20200909_02_T2	2011-12-6	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_134108_20110221_20200910_02_T2	2011-2-21	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_137107_20120112_20200909_02_T2	2012-1-12	Landsat 7
FORB	Forbes Glacier	-67.60	62.29	LE07_L1GT_137107_20120213_20200909_02_T2	2012-2-13	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LT05_L1GS_057114_19841223_20200918_02_T2	1984-12-23	Landsat 5
FRAW	Franklin Island West	-76.16	168.34	LT05_L1GS_055115_19841225_20200918_02_T2	1984-12-25	Landsat 5
FRAW	Franklin Island West	-76.16	168.34	LT05_L1GS_056114_19850101_20200918_02_T2	1985-1-1	Landsat 5
FRAW	Franklin Island West	-76.16	168.34	LT05_L1GS_055114_19850126_20200918_02_T2	1985-1-26	Landsat 5
FRAW	Franklin Island West	-76.16	168.34	LT04_L1GS_055114_19890113_20200916_02_T2	1989-1-13	Landsat 4
FRAW	Franklin Island West	-76.16	168.34	LT04_L1GS_055114_19890129_20200917_02_T2	1989-1-29	Landsat 4
FRAW	Franklin Island West	-76.16	168.34	LT04_L1GS_055114_19891129_20200916_02_T2	1989-11-29	Landsat 4
FRAW	Franklin Island West	-76.16	168.34	LT04_L1GS_055114_19891231_20200916_02_T2	1989-12-31	Landsat 4
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_058114_19991216_20200918_02_T2	1999-12-16	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_057114_19991225_20200918_02_T2	1999-12-25	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_057114_20000110_20200918_02_T2	2000-1-10	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_055114_20000112_20200918_02_T2	2000-1-12	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_055115_20011130_20200917_02_T2	2001-11-30	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_054115_20011209_20200917_02_T2	2001-12-9	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_054115_20021212_20200916_02_T2	2002-12-12	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_056114_20040114_20200915_02_T2	2004-1-14	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_055115_20061230_20200913_02_T2	2006-12-30	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_055115_20070115_20200913_02_T2	2007-1-15	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_054115_20070124_20200913_02_T2	2007-1-24	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_055115_20081117_20200913_02_T2	2008-11-17	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_055115_20081219_20200912_02_T2	2008-12-19	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_054115_20081228_20200912_02_T2	2008-12-28	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_054115_20091215_20200911_02_T2	2009-12-15	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_055115_20101209_20200910_02_T2	2010-12-9	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_054115_20100201_20200911_02_T2	2010-2-1	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_055115_20120113_20200909_02_T2	2012-1-13	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_058114_20121117_20200908_02_T2	2012-11-17	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_059114_20121108_20200908_02_T2	2012-11-8	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_058114_20121203_20200908_02_T2	2012-12-3	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_054115_20120207_20200909_02_T2	2012-2-7	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_055114_20130115_20200908_02_T2	2013-1-15	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_056114_20130122_20200908_02_T2	2013-1-22	Landsat 7
FRAW	Franklin Island West	-76.16	168.34	LE07_L1GT_054115_20130124_20200908_02_T2	2013-1-24	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_216104_20040216_20200915_02_T2	2004-2-16	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_214104_20050119_20200915_02_T2	2005-1-19	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_215104_20051228_20200914_02_T2	2005-12-28	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_215104_20061215_20200913_02_T2	2006-12-15	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_215104_20061231_20200913_02_T2	2006-12-31	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_216104_20060205_20200914_02_T2	2006-2-5	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_216104_20070107_20200913_02_T2	2007-1-7	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_214104_20080112_20200913_02_T2	2008-1-12	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_215104_20110111_20200910_02_T2	2011-1-11	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_215104_20110127_20200910_02_T2	2011-1-27	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_214104_20110205_20200910_02_T2	2011-2-5	Landsat 7
FRNC	Francais Rocks	-63.03	-56.01	LE07_L1GT_216104_20130208_20200908_02_T2	2013-2-8	Landsat 7
GING	Ginger Island	-67.75	-68.69	LT04_L1GS_220108_19890101_20200916_02_T2	1989-1-1	Landsat 4
GING	Ginger Island	-67.75	-68.69	LT04_L1GS_219108_19890126_20200916_02_T2	1989-1-26	Landsat 4
GING	Ginger Island	-67.75	-68.69	LT04_L1GS_221108_19891124_20200916_02_T2	1989-11-24	Landsat 4
GING	Ginger Island	-67.75	-68.69	LT04_L1GS_219108_19891126_20200916_02_T2	1989-11-26	Landsat 4
GING	Ginger Island	-67.75	-68.69	LT04_L1GS_221108_19900127_20200916_02_T2	1990-1-27	Landsat 4
GING	Ginger Island	-67.75	-68.69	LT05_L1GS_219108_19910209_20200915_02_T2	1991-2-9	Landsat 5
GING	Ginger Island	-67.75	-68.69	LT05_L1GS_221107_19970223_20200911_02_T2	1997-2-23	Landsat 5
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_219108_20010127_20200917_02_T2	2001-1-27	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_221107_20011227_20200917_02_T2	2001-12-27	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_220108_20010219_20200917_02_T2	2001-2-19	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_220108_20040127_20200915_02_T2	2004-1-27	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_221107_20040203_20200915_02_T2	2004-2-3	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_221107_20051120_20200914_02_T2	2005-11-20	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_221107_20051206_20200914_02_T2	2005-12-6	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_219108_20051208_20200914_02_T2	2005-12-8	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_219108_20061125_20200913_02_T2	2006-11-25	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_220108_20080106_20200913_02_T2	2008-1-6	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_221107_20090115_20200912_02_T2	2009-1-15	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_219108_20090117_20200912_02_T2	2009-1-17	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_220108_20090124_20200912_02_T2	2009-1-24	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_221107_20091201_20200911_02_T2	2009-12-1	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_220108_20091210_20200911_02_T2	2009-12-10	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_220108_20101213_20200910_02_T2	2010-12-13	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_221107_20110121_20200910_02_T2	2011-1-21	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_221107_20111121_20200909_02_T2	2011-11-21	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_221107_20110206_20200910_02_T2	2011-2-6	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_220108_20120218_20200909_02_T2	2012-2-18	Landsat 7
GING	Ginger Island	-67.75	-68.69	LE07_L1GT_219108_20130112_20200908_02_T2	2013-1-12	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LT04_L1GS_137107_19891112_20200916_02_T2	1989-11-12	Landsat 4
GNEY	Gibbney Island	-67.55	62.32	LT04_L1GS_135108_19891114_20200916_02_T2	1989-11-14	Landsat 4
GNEY	Gibbney Island	-67.55	62.32	LT04_L1GS_137107_19891128_20200916_02_T2	1989-11-28	Landsat 4
GNEY	Gibbney Island	-67.55	62.32	LT04_L1GS_135108_19891216_20200916_02_T2	1989-12-16	Landsat 4
GNEY	Gibbney Island	-67.55	62.32	LT04_L1GS_137107_19900131_20200916_02_T2	1990-1-31	Landsat 4
GNEY	Gibbney Island	-67.55	62.32	LT05_L1GS_137107_19910227_20200915_02_T2	1991-2-27	Landsat 5
GNEY	Gibbney Island	-67.55	62.32	LT04_L1GS_137107_19920121_20200914_02_T2	1992-1-21	Landsat 4
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20011122_20200917_02_T2	2001-11-22	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135107_20011201_20200917_02_T2	2001-12-1	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_137107_20021116_20200916_02_T2	2002-11-16	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20021125_20200916_02_T2	2002-11-25	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135107_20021204_20200916_02_T2	2002-12-4	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135108_20061215_20200913_02_T2	2006-12-15	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_137107_20061229_20200913_02_T2	2006-12-29	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135108_20061231_20200913_02_T2	2006-12-31	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20070107_20200913_02_T2	2007-1-7	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20071107_20200913_02_T2	2007-11-7	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_137107_20070215_20200913_02_T2	2007-2-15	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135107_20070217_20200913_02_T2	2007-2-17	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20070224_20200913_02_T2	2007-2-24	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20081127_20200912_02_T2	2008-11-27	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20080211_20200913_02_T2	2008-2-11	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135108_20090121_20200912_02_T2	2009-1-21	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135108_20090105_20200912_02_T2	2009-1-5	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20091114_20200911_02_T2	2009-11-14	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_137107_20091119_20200911_02_T2	2009-11-19	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_137107_20091103_20200911_02_T2	2009-11-3	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20091130_20200911_02_T2	2009-11-30	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20100101_20200911_02_T2	2010-1-1	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_137107_20100122_20200911_02_T2	2010-1-22	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135108_20101210_20200910_02_T2	2010-12-10	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20101203_20200910_02_T2	2010-12-3	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20100216_20200911_02_T2	2010-2-16	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135108_20110111_20200910_02_T2	2011-1-11	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20110120_20200910_02_T2	2011-1-20	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_137107_20110109_20200910_02_T2	2011-1-9	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20111102_20200909_02_T2	2011-11-2	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20111104_20200909_02_T2	2011-11-4	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_137107_20111211_20200909_02_T2	2011-12-11	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135108_20111213_20200909_02_T2	2011-12-13	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20111204_20200909_02_T2	2011-12-4	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20111206_20200909_02_T2	2011-12-6	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20110219_20200910_02_T2	2011-2-19	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20110221_20200910_02_T2	2011-2-21	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_137107_20110226_20200910_02_T2	2011-2-26	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_135108_20110228_20200910_02_T2	2011-2-28	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_136107_20120121_20200909_02_T2	2012-1-21	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20120123_20200909_02_T2	2012-1-23	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_137107_20121111_20200908_02_T2	2012-11-11	Landsat 7
GNEY	Gibbney Island	-67.55	62.32	LE07_L1GT_134108_20121106_20200908_02_T2	2012-11-6	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
GRAP	Graptolite Island	-60.72	-44.46	LE07_L1GT_209102_20020209_20200916_02_T2	2002-2-9	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_115107_20040112_20200915_02_T2	2004-1-12	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_116107_20080215_20200913_02_T2	2008-2-15	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_117107_20101212_20200910_02_T2	2010-12-12	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_116107_20100220_20200911_02_T2	2010-2-20	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_117107_20111129_20200909_02_T2	2011-11-29	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_118107_20110221_20200910_02_T2	2011-2-21	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_116107_20110223_20200910_02_T2	2011-2-23	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_115107_20120118_20200909_02_T2	2012-1-18	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_118106_20121122_20200908_02_T2	2012-11-22	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_116107_20121226_20200908_02_T2	2012-12-26	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_117107_20120201_20200909_02_T2	2012-2-1	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_117107_20120217_20200909_02_T2	2012-2-17	Landsat 7
HASW	Haswell Island	-66.53	93.01	LE07_L1GT_115107_20120219_20200909_02_T2	2012-2-19	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LT04_L1GS_072109_19890221_20200916_02_T2	1989-2-21	Landsat 4
HBAY	Harald Bay	-69.20	157.69	LT05_L1GS_074108_19910217_20200915_02_T2	1991-2-17	Landsat 5
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20011205_20200917_02_T2	2001-12-5	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_073109_20021201_20200916_02_T2	2002-12-1	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20021224_20200916_02_T2	2002-12-24	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_071109_20021203_20200916_02_T2	2002-12-3	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_073109_20061228_20200913_02_T2	2006-12-28	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20070106_20200913_02_T2	2007-1-6	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_071109_20071115_20200913_02_T2	2007-11-15	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20071106_20200913_02_T2	2007-11-6	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_071109_20071201_20200913_02_T2	2007-12-1	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20071222_20200913_02_T2	2007-12-22	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20071206_20200913_02_T2	2007-12-6	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20071208_20200913_02_T2	2007-12-8	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20070207_20200913_02_T2	2007-2-7	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20081106_20200912_02_T2	2008-11-6	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20081108_20200912_02_T2	2008-11-8	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_073109_20081217_20200912_02_T2	2008-12-17	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_071109_20081219_20200912_02_T2	2008-12-19	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20081224_20200912_02_T2	2008-12-24	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20090111_20200912_02_T2	2009-1-11	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20091111_20200911_02_T2	2009-11-11	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_071109_20091104_20200911_02_T2	2009-11-4	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_073109_20091204_20200911_02_T2	2009-12-4	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20090228_20200912_02_T2	2009-2-28	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_073109_20090203_20200912_02_T2	2009-2-3	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_073109_20100105_20200911_02_T2	2010-1-5	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20101112_20200910_02_T2	2010-11-12	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20101114_20200910_02_T2	2010-11-14	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20101128_20200910_02_T2	2010-11-28	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20101214_20200910_02_T2	2010-12-14	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_073109_20101207_20200910_02_T2	2010-12-7	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_071109_20101209_20200910_02_T2	2010-12-9	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20100213_20200911_02_T2	2010-2-13	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20110101_20200910_02_T2	2011-1-1	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20110115_20200910_02_T2	2011-1-15	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20110117_20200910_02_T2	2011-1-17	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_073109_20111108_20200909_02_T2	2011-11-8	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_073109_20111210_20200909_02_T2	2011-12-10	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20110218_20200910_02_T2	2011-2-18	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20121117_20200908_02_T2	2012-11-17	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20121103_20200908_02_T2	2012-11-3	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_072109_20121221_20200908_02_T2	2012-12-21	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_073109_20120228_20200909_02_T2	2012-2-28	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20130104_20200908_02_T2	2013-1-4	Landsat 7
HBAY	Harald Bay	-69.20	157.69	LE07_L1GT_074109_20130221_20200908_02_T2	2013-2-21	Landsat 7
HERO	Heroína Island	-63.39	-54.61	LT04_L1GS_215104_19880229_20200917_02_T2	1988-2-29	Landsat 4
HERO	Heroína Island	-63.39	-54.61	LT04_L1GS_215104_19900218_20200916_02_T2	1990-2-18	Landsat 4
HERO	Heroína Island	-63.39	-54.61	LE07_L1GT_215104_20000129_20200918_02_T2	2000-1-29	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20000223_20200918_02_T2				2000-2-23	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20011124_20200917_02_T2				2001-11-24	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_215104_20011201_20200917_02_T2				2001-12-1	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20011210_20200917_02_T2				2001-12-10	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20021229_20200916_02_T2				2002-12-29	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_215104_20030222_20200916_02_T2				2003-2-22	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20040202_20200915_02_T2				2004-2-2	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_215104_20040225_20200915_02_T2				2004-2-25	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_215104_20040209_20200915_02_T2				2004-2-9	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_215104_20050110_20200915_02_T2				2005-1-10	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20061122_20200913_02_T2				2006-11-22	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_215104_20061215_20200913_02_T2				2006-12-15	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_215104_20061231_20200913_02_T2				2006-12-31	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20061208_20200913_02_T2				2006-12-8	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20060223_20200914_02_T2				2006-2-23	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20070125_20200913_02_T2				2007-1-25	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20071227_20200913_02_T2				2007-12-27	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20070210_20200913_02_T2				2007-2-10	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20081229_20200912_02_T2				2008-12-29	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_215104_20081204_20200912_02_T2				2008-12-4	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20110205_20200910_02_T2				2011-2-5	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_215104_20120114_20200909_02_T2				2012-1-14	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_215104_20121215_20200908_02_T2				2012-12-15	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20120208_20200909_02_T2				2012-2-8	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20130210_20200908_02_T2				2013-2-10	Landsat 7
HERO	Heroina Island	-63.39	-54.61	LE07_L1GT_214104_20130226_20200908_02_T2				2013-2-26	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LT04_L1GS_105107_19891112_20200916_02_T2				1989-11-12	Landsat 4
HOLL	Holl/O'Connor	-66.41	110.43	LT04_L1GS_104107_19891121_20200916_02_T2				1989-11-21	Landsat 4
HOLL	Holl/O'Connor	-66.41	110.43	LT04_L1GS_104107_19900108_20200916_02_T2				1990-1-8	Landsat 4
HOLL	Holl/O'Connor	-66.41	110.43	LT05_L1GS_105107_19910211_20200915_02_T2				1991-2-11	Landsat 5
HOLL	Holl/O'Connor	-66.41	110.43	LT05_L1GS_106106_19910202_20200915_02_T2				1991-2-2	Landsat 5
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_106107_20000102_20200918_02_T2				2000-1-2	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20000205_20200918_02_T2	2000-2-5	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20010122_20200917_02_T2	2001-1-22	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20011129_20200917_02_T2	2001-11-29	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_106107_20011206_20200917_02_T2	2001-12-6	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20030112_20200916_02_T2	2003-1-12	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20061127_20200913_02_T2	2006-11-27	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20070114_20200913_02_T2	2007-1-14	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20070107_20200913_02_T2	2007-1-7	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20071209_20200913_02_T2	2007-12-9	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20080117_20200913_02_T2	2008-1-17	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_106107_20081123_20200912_02_T2	2008-11-23	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20081211_20200912_02_T2	2008-12-11	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20080211_20200913_02_T2	2008-2-11	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20090119_20200912_02_T2	2009-1-19	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20091112_20200911_02_T2	2009-11-12	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20091119_20200911_02_T2	2009-11-19	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_106107_20091228_20200911_02_T2	2009-12-28	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20090204_20200912_02_T2	2009-2-4	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20100115_20200911_02_T2	2010-1-15	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20101122_20200910_02_T2	2010-11-22	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_106107_20101129_20200910_02_T2	2010-11-29	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20101201_20200910_02_T2	2010-12-1	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_106107_20100214_20200911_02_T2	2010-2-14	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20110102_20200910_02_T2	2011-1-2	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20110125_20200910_02_T2	2011-1-25	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20111125_20200909_02_T2	2011-11-25	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20111109_20200909_02_T2	2011-11-9	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20111227_20200909_02_T2	2011-12-27	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_105107_20110210_20200910_02_T2	2011-2-10	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_106106_20121220_20200908_02_T2	2012-12-20	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20121222_20200908_02_T2	2012-12-22	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_104107_20130107_20200908_02_T2	2013-1-7	Landsat 7
HOLL	Holl/O'Connor	-66.41	110.43	LE07_L1GT_106106_20130206_20200908_02_T2	2013-2-6	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LT04_L1GS_215104_19880112_20200917_02_T2	1988-1-12	Landsat 4
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20010106_20200917_02_T2	2001-1-6	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20011122_20200917_02_T2	2001-11-22	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_215104_20011201_20200917_02_T2	2001-12-1	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_215104_20030222_20200916_02_T2	2003-2-22	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_215105_20040225_20200915_02_T2	2004-2-25	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_215104_20040209_20200915_02_T2	2004-2-9	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_215105_20050110_20200915_02_T2	2005-1-10	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_215104_20051228_20200914_02_T2	2005-12-28	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20060120_20210519_02_T2	2006-1-20	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_215104_20061231_20200913_02_T2	2006-12-31	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20061206_20200913_02_T2	2006-12-6	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20060205_20200914_02_T2	2006-2-5	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20070123_20200913_02_T2	2007-1-23	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20070107_20200913_02_T2	2007-1-7	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_215105_20070217_20200913_02_T2	2007-2-17	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20080126_20200912_02_T2	2008-1-26	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20090112_20200912_02_T2	2009-1-12	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_215104_20110127_20200910_02_T2	2011-1-27	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20110219_20200910_02_T2	2011-2-19	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_215104_20121215_20200908_02_T2	2012-12-15	Landsat 7
HOPE	Hope Bay	-63.40	-57.00	LE07_L1GT_216104_20120222_20200909_02_T2	2012-2-22	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LT04_L1GS_060113_19871229_20201014_02_T2	1987-12-29	Landsat 4
INEX	Inexpressible Island	-74.90	163.73	LT04_L1GS_060113_19881215_20200917_02_T2	1988-12-15	Landsat 4
INEX	Inexpressible Island	-74.90	163.73	LT04_L1GS_060113_19890217_20200916_02_T2	1989-2-17	Landsat 4
INEX	Inexpressible Island	-74.90	163.73	LT04_L1GS_062113_19900117_20200916_02_T2	1990-1-17	Landsat 4
INEX	Inexpressible Island	-74.90	163.73	LT04_L1GS_064113_19901217_20200915_02_T2	1990-12-17	Landsat 4
INEX	Inexpressible Island	-74.90	163.73	LT05_L1GS_062113_19910128_20200915_02_T2	1991-1-28	Landsat 5
INEX	Inexpressible Island	-74.90	163.73	LT05_L1GS_064113_19910211_20200915_02_T2	1991-2-11	Landsat 5
INEX	Inexpressible Island	-74.90	163.73	LT05_L1GS_062113_19910213_20200915_02_T2	1991-2-13	Landsat 5

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
INEX	Inexpressible Island	-74.90	163.73	LT04_L1GS_063113_19920130_20200915_02_T2	1992-1-30	Landsat 4
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_19991226_20200918_02_T2	1999-12-26	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_19991230_20200918_02_T2	1999-12-30	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20000104_20200918_02_T2	2000-1-4	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20010124_20200917_02_T2	2001-1-24	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20011117_20200917_02_T2	2001-11-17	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20011122_20200917_02_T2	2001-11-22	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20011124_20200917_02_T2	2001-11-24	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20011129_20200917_02_T2	2001-11-29	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20011201_20200917_02_T2	2001-12-1	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20020104_20200917_02_T2	2002-1-4	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20021120_20200916_02_T2	2002-11-20	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20021125_20200916_02_T2	2002-11-25	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20021127_20200916_02_T2	2002-11-27	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20021213_20200916_02_T2	2002-12-13	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20021204_20200916_02_T2	2002-12-4	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20030112_20200916_02_T2	2003-1-12	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20030114_20200916_02_T2	2003-1-14	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20030103_20200916_02_T2	2003-1-3	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20050119_20200915_02_T2	2005-1-19	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20050124_20200914_02_T2	2005-1-24	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20050213_20200914_02_T2	2005-2-13	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20061127_20200913_02_T2	2006-11-27	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20061129_20200913_02_T2	2006-11-29	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20061201_20200913_02_T2	2006-12-1	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20061215_20200913_02_T2	2006-12-15	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20061217_20200913_02_T2	2006-12-17	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20061222_20200913_02_T2	2006-12-22	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20061224_20200913_02_T2	2006-12-24	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20061229_20200913_02_T2	2006-12-29	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20061206_20200913_02_T2	2006-12-6	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20070102_20200913_02_T2	2007-1-2	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20070130_20200913_02_T2	2007-1-30	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20070107_20200913_02_T2	2007-1-7	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20071116_20200913_02_T2	2007-11-16	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20071118_20200913_02_T2	2007-11-18	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20071123_20200913_02_T2	2007-11-23	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20071125_20200913_02_T2	2007-11-25	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20071211_20200913_02_T2	2007-12-11	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20071216_20200913_02_T2	2007-12-16	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20071202_20200913_02_T2	2007-12-2	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20071220_20200913_02_T2	2007-12-20	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20071209_20200913_02_T2	2007-12-9	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20070201_20200913_02_T2	2007-2-1	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20070210_20200913_02_T2	2007-2-10	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20081111_20200912_02_T2	2008-11-11	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20081116_20200912_02_T2	2008-11-16	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20081118_20200912_02_T2	2008-11-18	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20081125_20200912_02_T2	2008-11-25	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20081109_20200912_02_T2	2008-11-9	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20081218_20200912_02_T2	2008-12-18	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20081202_20200912_02_T2	2008-12-2	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20081220_20200912_02_T2	2008-12-20	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20081222_20200912_02_T2	2008-12-22	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20081227_20200912_02_T2	2008-12-27	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20081229_20200912_02_T2	2008-12-29	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20081206_20200912_02_T2	2008-12-6	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20090114_20200912_02_T2	2009-1-14	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20090119_20200912_02_T2	2009-1-19	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20090121_20200912_02_T2	2009-1-21	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20090123_20200912_02_T2	2009-1-23	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20090103_20200912_02_T2	2009-1-3	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20090105_20200912_02_T2	2009-1-5	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20091105_20200911_02_T2	2009-11-5	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20091214_20200911_02_T2	2009-12-14	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20091221_20200911_02_T2	2009-12-21	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20091207_20200911_02_T2	2009-12-7	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20090220_20200912_02_T2	2009-2-20	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20090224_20200912_02_T2	2009-2-24	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20090204_20200912_02_T2	2009-2-4	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20100110_20200911_02_T2	2010-1-10	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20100131_20200911_02_T2	2010-1-31	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20100108_20200911_02_T2	2010-1-8	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20101110_20200910_02_T2	2010-11-10	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20101122_20200910_02_T2	2010-11-22	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20101124_20200910_02_T2	2010-11-24	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20101126_20200910_02_T2	2010-11-26	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20101106_20200910_02_T2	2010-11-6	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20101210_20200910_02_T2	2010-12-10	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20101212_20200910_02_T2	2010-12-12	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20101217_20200910_02_T2	2010-12-17	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20101219_20200910_02_T2	2010-12-19	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20101224_20200910_02_T2	2010-12-24	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20101208_20200910_02_T2	2010-12-8	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20100223_20200911_02_T2	2010-2-23	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20100207_20200911_02_T2	2010-2-7	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20110118_20200910_02_T2	2011-1-18	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20110102_20200910_02_T2	2011-1-2	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20110120_20200910_02_T2	2011-1-20	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20110125_20200910_02_T2	2011-1-25	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20110104_20200910_02_T2	2011-1-4	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20110109_20200910_02_T2	2011-1-9	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20111113_20200909_02_T2	2011-11-13	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20111118_20200909_02_T2	2011-11-18	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20111102_20200909_02_T2	2011-11-2	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20111129_20200909_02_T2				2011-11-29	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20111104_20200909_02_T2				2011-11-4	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20111215_20200909_02_T2				2011-12-15	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20111222_20200909_02_T2				2011-12-22	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20111231_20200909_02_T2				2011-12-31	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20110210_20200910_02_T2				2011-2-10	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20120121_20200909_02_T2				2012-1-21	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20120105_20200909_02_T2				2012-1-5	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20121111_20200908_02_T2				2012-11-11	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20121115_20200908_02_T2				2012-11-15	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20121120_20200908_02_T2				2012-11-20	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20121127_20200908_02_T2				2012-11-27	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20121129_20200908_02_T2				2012-11-29	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20121104_20200908_02_T2				2012-11-4	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20121201_20200908_02_T2				2012-12-1	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_064113_20121213_20200908_02_T2				2012-12-13	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20121215_20200908_02_T2				2012-12-15	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20121217_20200908_02_T2				2012-12-17	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_060113_20120217_20200909_02_T2				2012-2-17	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20120224_20200909_02_T2				2012-2-24	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20120206_20200909_02_T2				2012-2-6	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_061113_20120208_20200909_02_T2				2012-2-8	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_062113_20130116_20200908_02_T2				2013-1-16	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20130123_20200908_02_T2				2013-1-23	Landsat 7
INEX	Inexpressible Island	-74.90	163.73	LE07_L1GT_063113_20130107_20200908_02_T2				2013-1-7	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LT05_L1GS_105107_19910211_20200915_02_T2				1991-2-11	Landsat 5
IVAN	Ivanhoff Head	-66.88	109.13	LT05_L1GS_106107_19910202_20200915_02_T2				1991-2-2	Landsat 5
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_106107_20000102_20200918_02_T2				2000-1-2	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_106107_20070121_20200913_02_T2				2007-1-21	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_106107_20070105_20200913_02_T2				2007-1-5	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_107107_20071214_20200913_02_T2				2007-12-14	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_107107_20071230_20200913_02_T2				2007-12-30	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20080101_20200913_02_T2	2008-1-1	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_106107_20081123_20200912_02_T2	2008-11-23	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20080218_20200912_02_T2	2008-2-18	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_106107_20080209_20200912_02_T2	2008-2-9	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_107107_20090101_20200912_02_T2	2009-1-1	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_106107_20090110_20200912_02_T2	2009-1-10	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20090103_20200912_02_T2	2009-1-3	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_106107_20091212_20200911_02_T2	2009-12-12	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20101122_20200910_02_T2	2010-11-22	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_106107_20101129_20200910_02_T2	2010-11-29	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20101106_20200910_02_T2	2010-11-6	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20101224_20200910_02_T2	2010-12-24	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_106107_20101231_20200910_02_T2	2010-12-31	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20111125_20200909_02_T2	2011-11-25	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_107107_20111107_20200909_02_T2	2011-11-7	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20111109_20200909_02_T2	2011-11-9	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20111211_20200909_02_T2	2011-12-11	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20111227_20200909_02_T2	2011-12-27	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_107107_20120126_20200909_02_T2	2012-1-26	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20120128_20200909_02_T2	2012-1-28	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_106107_20121204_20200908_02_T2	2012-12-4	Landsat 7
IVAN	Ivanhoff Head	-66.88	109.13	LE07_L1GT_105107_20120213_20200909_02_T2	2012-2-13	Landsat 7
JULE	Cape Jules	-66.74	140.92	LT05_L1GS_086107_19890114_20200916_02_T2	1989-1-14	Landsat 5
JULE	Cape Jules	-66.74	140.92	LT04_L1GS_084107_19900127_20200916_02_T2	1990-1-27	Landsat 4
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_085107_19991229_20200918_02_T2	1999-12-29	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20000123_20200918_02_T2	2000-1-23	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20000206_20200918_02_T2	2000-2-6	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20011211_20200917_02_T2	2001-12-11	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20011227_20200917_02_T2	2001-12-27	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20011209_20200917_02_T2	2001-12-9	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_085107_20021119_20200916_02_T2	2002-11-19	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20021126_20200916_02_T2	2002-11-26	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20021230_20200916_02_T2	2002-12-30	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20061123_20200913_02_T2	2006-11-23	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20061225_20200913_02_T2	2006-12-25	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20061209_20200913_02_T2	2006-12-9	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_085107_20070101_20200913_02_T2	2007-1-1	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20070124_20200913_02_T2	2007-1-24	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_085107_20071101_20200913_02_T2	2007-11-1	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20071110_20200913_02_T2	2007-11-10	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20071126_20200913_02_T2	2007-11-26	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20071108_20200913_02_T2	2007-11-8	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20071210_20200913_02_T2	2007-12-10	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_085107_20071203_20200913_02_T2	2007-12-3	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20070211_20200913_02_T2	2007-2-11	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20081112_20200913_02_T2	2008-11-12	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20081126_20200912_02_T2	2008-11-26	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20081212_20200912_02_T2	2008-12-12	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20081228_20200912_02_T2	2008-12-28	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20090129_20200912_02_T2	2009-1-29	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20091113_20200911_02_T2	2009-11-13	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20091115_20200911_02_T2	2009-11-15	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20091129_20200911_02_T2	2009-11-29	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_085107_20091106_20200911_02_T2	2009-11-6	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20091215_20200911_02_T2	2009-12-15	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_085107_20091224_20200911_02_T2	2009-12-24	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20091231_20200911_02_T2	2009-12-31	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20090214_20200912_02_T2	2009-2-14	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_085107_20100226_20200911_02_T2	2010-2-26	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20100203_20200911_02_T2	2010-2-3	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20110220_20200910_02_T2	2011-2-20	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20110222_20200910_02_T2	2011-2-22	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20110204_20200910_02_T2	2011-2-4	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_084107_20121123_20200908_02_T2	2012-11-23	Landsat 7
JULE	Cape Jules	-66.74	140.92	LE07_L1GT_086107_20121207_20200908_02_T2	2012-12-7	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LT04_L1GS_147107_19880217_20200917_02_T2	1988-2-17	Landsat 4
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_147107_20000101_20200918_02_T2	2000-1-1	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_145107_20000119_20200918_02_T2	2000-1-19	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_146107_20000126_20200918_02_T2	2000-1-26	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_146107_20010128_20200917_02_T2	2001-1-28	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_145107_20061205_20200913_02_T2	2006-12-5	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_147107_20070104_20200913_02_T2	2007-1-4	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_146107_20071113_20200913_02_T2	2007-11-13	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_147107_20071120_20200913_02_T2	2007-11-20	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_147107_20071104_20200913_02_T2	2007-11-4	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_145107_20071106_20200913_02_T2	2007-11-6	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_146107_20071215_20200913_02_T2	2007-12-15	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_146107_20081115_20200913_02_T2	2008-11-15	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_145107_20091111_20200911_02_T2	2009-11-11	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_145107_20091127_20200911_02_T2	2009-11-27	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_146107_20100121_20200911_02_T2	2010-1-21	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_147107_20100128_20200911_02_T2	2010-1-28	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_145107_20101216_20200910_02_T2	2010-12-16	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_146107_20100222_20200911_02_T2	2010-2-22	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_146107_20110108_20200910_02_T2	2011-1-8	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_145107_20121119_20200908_02_T2	2012-11-19	Landsat 7
KIRB	Kirby Head	-67.27	46.54	LE07_L1GT_147107_20120219_20200909_02_T2	2012-2-19	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_136107_20011122_20200917_02_T2	2001-11-22	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_134107_20021127_20200916_02_T2	2002-11-27	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_135107_20021204_20200916_02_T2	2002-12-4	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_134108_20060122_20200914_02_T2	2006-1-22	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_135107_20061215_20200913_02_T2	2006-12-15	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_136107_20070107_20200913_02_T2	2007-1-7	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_135107_20070217_20200913_02_T2	2007-2-17	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_136107_20070224_20200913_02_T2	2007-2-24	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_134108_20080112_20200913_02_T2	2008-1-12	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_135107_20080119_20200913_02_T2	2008-1-19	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_135107_20090121_20200912_02_T2	2009-1-21	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_136107_20100131_20200911_02_T2	2010-1-31	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_135107_20100108_20200911_02_T2	2010-1-8	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_136107_20100216_20200911_02_T2	2010-2-16	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_134108_20100202_20200911_02_T2	2010-2-2	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_135107_20100225_20200911_02_T2	2010-2-25	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_135107_20120130_20200909_02_T2	2012-1-30	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_134108_20130210_20200908_02_T2	2013-2-10	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_136107_20130224_20200908_02_T2	2013-2-24	Landsat 7
KIRT	Kirton/Macklin	-67.49	63.64	LE07_L1GT_134108_20130226_20200908_02_T2	2013-2-26	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LT04_L1GS_219108_19881225_20200917_02_T2	1988-12-25	Landsat 4
LAGO	Lagotellerie Island	-67.89	-67.40	LT05_L1GS_220108_19961112_20200911_02_T2	1996-11-12	Landsat 5
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20010118_20200917_02_T2	2001-1-18	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20011120_20200917_02_T2	2001-11-20	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20011220_20200917_02_T2	2001-12-20	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_219108_20011229_20200917_02_T2	2001-12-29	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20010219_20200917_02_T2	2001-2-19	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20020105_20200917_02_T2	2002-1-5	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20021123_20200916_02_T2	2002-11-23	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20040127_20200915_02_T2	2004-1-27	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20050115_20200915_02_T2	2005-1-15	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_219108_20051208_20200914_02_T2	2005-12-8	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_219108_20050207_20200914_02_T2	2005-2-7	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20080108_20200913_02_T2	2008-1-8	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_219108_20090117_20200912_02_T2	2009-1-17	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20091110_20200911_02_T2	2009-11-10	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20091210_20200911_02_T2	2009-12-10	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20090211_20200912_02_T2	2009-2-11	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_219108_20090202_20200912_02_T2				2009-2-2	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20090225_20200912_02_T2				2009-2-25	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20101129_20200910_02_T2				2010-11-29	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20101213_20200910_02_T2				2010-12-13	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20101215_20200910_02_T2				2010-12-15	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20110114_20200910_02_T2				2011-1-14	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20111116_20200909_02_T2				2011-11-16	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_219108_20121125_20200908_02_T2				2012-11-25	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20121220_20200908_02_T2				2012-12-20	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20121204_20200908_02_T2				2012-12-4	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20120218_20200909_02_T2				2012-2-18	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_219108_20130112_20200908_02_T2				2013-1-12	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20130103_20200908_02_T2				2013-1-3	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_218108_20130105_20200908_02_T2				2013-1-5	Landsat 7
LAGO	Lagotellerie Island	-67.89	-67.40	LE07_L1GT_220108_20130220_20200908_02_T2				2013-2-20	Landsat 7
LAUF	Lauff Island	-73.23	-126.77	LE07_L1GT_019112_20050113_20200915_02_T2				2005-1-13	Landsat 7
LAUF	Lauff Island	-73.23	-126.77	LE07_L1GT_018112_20090101_20200912_02_T2				2009-1-1	Landsat 7
LAUF	Lauff Island	-73.23	-126.77	LE07_L1GT_019112_20090108_20200912_02_T2				2009-1-8	Landsat 7
LAUF	Lauff Island	-73.23	-126.77	LE07_L1GT_019112_20090209_20200912_02_T2				2009-2-9	Landsat 7
LAUF	Lauff Island	-73.23	-126.77	LE07_L1GT_019112_20100127_20200911_02_T2				2010-1-27	Landsat 7
LAUF	Lauff Island	-73.23	-126.77	LE07_L1GT_019112_20110130_20200910_02_T2				2011-1-30	Landsat 7
LAUF	Lauff Island	-73.23	-126.77	LE07_L1GT_019112_20130119_20200908_02_T2				2013-1-19	Landsat 7
LEWI	Lewis Island	-66.11	134.38	LT04_L1GS_090106_19900121_20200916_02_T2				1990-1-21	Landsat 4
LEWI	Lewis Island	-66.11	134.38	LE07_L1GT_089106_20080116_20200913_02_T2				2008-1-16	Landsat 7
LEWI	Lewis Island	-66.11	134.38	LE07_L1GT_091106_20080130_20200912_02_T2				2008-1-30	Landsat 7
LEWI	Lewis Island	-66.11	134.38	LE07_L1GT_090106_20090109_20200912_02_T2				2009-1-9	Landsat 7
LEWI	Lewis Island	-66.11	134.38	LE07_L1GT_091106_20090201_20200912_02_T2				2009-2-1	Landsat 7
LEWI	Lewis Island	-66.11	134.38	LE07_L1GT_090106_20100112_20200911_02_T2				2010-1-12	Landsat 7
LEWI	Lewis Island	-66.11	134.38	LE07_L1GT_090106_20110115_20200910_02_T2				2011-1-15	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LT04_L1GS_124108_19900120_20200916_02_T2				1990-1-20	Landsat 4
LONG	Long Peninsula Island	-68.42	78.32	LT04_L1GS_124108_19900205_20200916_02_T2				1990-2-5	Landsat 4
LONG	Long Peninsula Island	-68.42	78.32	LT05_L1GS_124108_19910216_20200915_02_T2				1991-2-16	Landsat 5

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20000125_20200918_02_T2	2000-1-25	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_126108_20000130_20200918_02_T2	2000-1-30	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20000217_20200918_02_T2	2000-2-17	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20010118_20200917_02_T2	2001-1-18	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20010102_20200917_02_T2	2001-1-2	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20011229_20200917_02_T2	2001-12-29	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20021114_20200916_02_T2	2002-11-14	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20021223_20200916_02_T2	2002-12-23	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20030124_20200916_02_T2	2003-1-24	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20040203_20200915_02_T2	2004-2-3	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20050120_20200915_02_T2	2005-1-20	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20051120_20200914_02_T2	2005-11-20	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_126108_20051127_20200914_02_T2	2005-11-27	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20050221_20200914_02_T2	2005-2-21	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_126108_20060114_20200914_02_T2	2006-1-14	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_126108_20060130_20200914_02_T2	2006-1-30	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20061123_20200913_02_T2	2006-11-23	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20061218_20200913_02_T2	2006-12-18	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20061225_20200913_02_T2	2006-12-25	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20060224_20200914_02_T2	2006-2-24	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20070112_20200913_02_T2	2007-1-12	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20070119_20200913_02_T2	2007-1-19	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20071228_20200913_02_T2	2007-12-28	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20071230_20200913_02_T2	2007-12-30	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20070220_20200913_02_T2	2007-2-20	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20080115_20200913_02_T2	2008-1-15	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20080122_20200913_02_T2	2008-1-22	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20081223_20200912_02_T2	2008-12-23	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20090101_20200912_02_T2	2009-1-1	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20090117_20200912_02_T2	2009-1-17	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20090131_20200912_02_T2	2009-1-31	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20090108_20200912_02_T2	2009-1-8	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20091201_20200911_02_T2	2009-12-1	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20091217_20200911_02_T2	2009-12-17	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20091226_20200911_02_T2	2009-12-26	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20091203_20200911_02_T2	2009-12-3	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20090202_20200912_02_T2	2009-2-2	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20100118_20200911_02_T2	2010-1-18	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20100102_20200911_02_T2	2010-1-2	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20100120_20200911_02_T2	2010-1-20	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20110107_20200910_02_T2	2011-1-7	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20110222_20200910_02_T2	2011-2-22	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_125108_20120124_20200909_02_T2	2012-1-24	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20121116_20200908_02_T2	2012-11-16	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_123108_20120211_20200909_02_T2	2012-2-11	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20130119_20200908_02_T2	2013-1-19	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_126108_20130202_20200908_02_T2	2013-2-2	Landsat 7
LONG	Long Peninsula Island	-68.42	78.32	LE07_L1GT_124108_20130204_20200908_02_T2	2013-2-4	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LT04_L1GS_021112_19890115_20200916_02_T2	1989-1-15	Landsat 4
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_020112_20000107_20200918_02_T2	2000-1-7	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_020112_20011227_20200917_02_T2	2001-12-27	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_018112_20011229_20200917_02_T2	2001-12-29	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20011204_20200917_02_T2	2001-12-4	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_020112_20021230_20200916_02_T2	2002-12-30	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20050113_20200915_02_T2	2005-1-13	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_020112_20050221_20200914_02_T2	2005-2-21	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_018112_20050223_20200914_02_T2	2005-2-23	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_018112_20070112_20200913_02_T2	2007-1-12	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20071205_20200913_02_T2	2007-12-5	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20080122_20200913_02_T2	2008-1-22	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_020112_20081214_20200912_02_T2	2008-12-14	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20080223_20200913_02_T2	2008-2-23	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20100111_20200911_02_T2	2010-1-11	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20100127_20200911_02_T2	2010-1-27	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_018112_20100104_20200911_02_T2	2010-1-4	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_018112_20101104_20200910_02_T2	2010-11-4	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20100212_20200911_02_T2	2010-2-12	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20110114_20200910_02_T2	2011-1-14	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20110130_20200910_02_T2	2011-1-30	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_020112_20111105_20200909_02_T2	2011-11-5	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20110215_20200910_02_T2	2011-2-15	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_020112_20110222_20200910_02_T2	2011-2-22	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_018112_20110224_20200910_02_T2	2011-2-24	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_018112_20110208_20200910_02_T2	2011-2-8	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_020112_20120124_20200909_02_T2	2012-1-24	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_020112_20121225_20200908_02_T2	2012-12-25	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20130119_20200908_02_T2	2013-1-19	Landsat 7
LOVI	Lovill Bluff	-73.54	-127.44	LE07_L1GT_019112_20130204_20200908_02_T2	2013-2-4	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LT04_L1GS_135108_19891114_20200916_02_T2	1989-11-14	Landsat 4
LOWT	Low Tongue	-67.55	61.99	LT04_L1GS_137107_19891128_20200916_02_T2	1989-11-28	Landsat 4
LOWT	Low Tongue	-67.55	61.99	LT04_L1GS_135108_19891216_20200916_02_T2	1989-12-16	Landsat 4
LOWT	Low Tongue	-67.55	61.99	LT04_L1GS_137107_19900131_20200916_02_T2	1990-1-31	Landsat 4
LOWT	Low Tongue	-67.55	61.99	LT05_L1GS_137107_19910227_20200915_02_T2	1991-2-27	Landsat 5
LOWT	Low Tongue	-67.55	61.99	LT04_L1GS_137107_19920121_20200914_02_T2	1992-1-21	Landsat 4
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20000214_20200918_02_T2	2000-2-14	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20011122_20200917_02_T2	2001-11-22	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_137107_20021116_20200916_02_T2	2002-11-16	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20021125_20200916_02_T2	2002-11-25	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20021204_20200916_02_T2	2002-12-4	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20061215_20200913_02_T2	2006-12-15	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_137107_20061229_20200913_02_T2	2006-12-29	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20061231_20200913_02_T2	2006-12-31	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20070107_20200913_02_T2	2007-1-7	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20071107_20200913_02_T2	2007-11-7	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20070224_20200913_02_T2	2007-2-24	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_137107_20080101_20200913_02_T2	2008-1-1	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20080119_20200913_02_T2	2008-1-19	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20080126_20200913_02_T2	2008-1-26	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20080211_20200913_02_T2	2008-2-11	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20090121_20200912_02_T2	2009-1-21	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20091230_20200911_02_T2	2009-12-30	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_137107_20100122_20200911_02_T2	2010-1-22	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20100131_20200911_02_T2	2010-1-31	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20100108_20200911_02_T2	2010-1-8	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20101210_20200910_02_T2	2010-12-10	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20100216_20200911_02_T2	2010-2-16	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_137107_20100223_20200911_02_T2	2010-2-23	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20100225_20200911_02_T2	2010-2-25	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20100209_20200911_02_T2	2010-2-9	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20110111_20200910_02_T2	2011-1-11	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_137107_20110109_20200910_02_T2	2011-1-9	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20111102_20200909_02_T2	2011-11-2	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_137107_20111211_20200909_02_T2	2011-12-11	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_137107_20111227_20200909_02_T2	2011-12-27	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20110219_20200910_02_T2	2011-2-19	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20110228_20200910_02_T2	2011-2-28	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_137107_20120112_20200909_02_T2	2012-1-12	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20120130_20200909_02_T2	2012-1-30	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20121104_20200908_02_T2	2012-11-4	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_135108_20121231_20200908_02_T2	2012-12-31	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20121206_20200908_02_T2	2012-12-6	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_137107_20130215_20200908_02_T2	2013-2-15	Landsat 7
LOWT	Low Tongue	-67.55	61.99	LE07_L1GT_136107_20130224_20200908_02_T2	2013-2-24	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LT05_L1GS_004112_19910223_20200915_02_T2	1991-2-23	Landsat 5
LSAY	Lindsay Islands	-73.61	-103.18	LT05_L1GS_003112_19970131_20200910_02_T2	1997-1-31	Landsat 5
LSAY	Lindsay Islands	-73.61	-103.18	LT05_L1GS_004112_19970207_20200910_02_T2	1997-2-7	Landsat 5

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
LSAY	Lindsay Islands	-73.61	-103.18	LT05_L1GS_002112_19970209_20200910_02_T2	1997-2-9	Landsat 5
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_003112_20010102_20200917_02_T2	2001-1-2	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20011202_20200917_02_T2	2001-12-2	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_003112_20011204_20200917_02_T2	2001-12-4	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20010201_20200917_02_T2	2001-2-1	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20021221_20200916_02_T2	2002-12-21	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_003112_20030124_20200916_02_T2	2003-1-24	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_004112_20030216_20200916_02_T2	2003-2-16	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20030207_20200916_02_T2	2003-2-7	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_002112_20050122_20200915_02_T2	2005-1-22	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_004112_20050104_20200915_02_T2	2005-1-4	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_002112_20050106_20200915_02_T2	2005-1-6	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_002112_20050207_20200914_02_T2	2005-2-7	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_004112_20061209_20200913_02_T2	2006-12-9	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20070117_20200913_02_T2	2007-1-17	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_003112_20070103_20200913_02_T2	2007-1-3	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_002112_20071128_20200913_02_T2	2007-11-28	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_004112_20071212_20200913_02_T2	2007-12-12	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_004112_20080113_20200913_02_T2	2008-1-13	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20080104_20200913_02_T2	2008-1-4	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20080221_20200912_02_T2	2008-2-21	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_002112_20090117_20200912_02_T2	2009-1-17	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_004112_20090131_20200912_02_T2	2009-1-31	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_002112_20091219_20200911_02_T2	2009-12-19	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_002112_20090218_20200912_02_T2	2009-2-18	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_004112_20100102_20200911_02_T2	2010-1-2	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20100125_20200911_02_T2	2010-1-25	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_004112_20101220_20200910_02_T2	2010-12-20	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20100210_20200911_02_T2	2010-2-10	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20110112_20200910_02_T2	2011-1-12	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20110128_20200910_02_T2	2011-1-28	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20111214_20200909_02_T2				2011-12-14	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20111230_20200909_02_T2				2011-12-30	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20121130_20200908_02_T2				2012-11-30	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_003112_20121202_20200908_02_T2				2012-12-2	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20120216_20200909_02_T2				2012-2-16	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_004112_20120209_20200909_02_T2				2012-2-9	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_004112_20130126_20200908_02_T2				2013-1-26	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_003112_20130103_20200908_02_T2				2013-1-3	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20130218_20200908_02_T2				2013-2-18	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_005112_20130202_20200908_02_T2				2013-2-2	Landsat 7
LSAY	Lindsay Islands	-73.61	-103.18	LE07_L1GT_003112_20130204_20200908_02_T2				2013-2-4	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LT04_L1GS_084107_19900127_20200916_02_T2				1990-1-27	Landsat 4
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_085107_19991229_20200918_02_T2				1999-12-29	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20000123_20200918_02_T2				2000-1-23	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20011227_20200917_02_T2				2001-12-27	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_085107_20021119_20200916_02_T2				2002-11-19	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20021121_20200916_02_T2				2002-11-21	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20021214_20200916_02_T2				2002-12-14	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20040127_20200915_02_T2				2004-1-27	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20040228_20200915_02_T2				2004-2-28	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20061202_20200913_02_T2				2006-12-2	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20061225_20200913_02_T2				2006-12-25	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20070103_20200913_02_T2				2007-1-3	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_085107_20071101_20200913_02_T2				2007-11-1	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20071110_20200913_02_T2				2007-11-10	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20071126_20200913_02_T2				2007-11-26	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20071103_20200913_02_T2				2007-11-3	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_085107_20071203_20200913_02_T2				2007-12-3	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20071205_20200913_02_T2				2007-12-5	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20070211_20200913_02_T2				2007-2-11	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20081112_20200913_02_T2				2008-11-12	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20081128_20200912_02_T2				2008-11-28	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20081223_20200912_02_T2	2008-12-23	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_085107_20091106_20200911_02_T2	2009-11-6	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20091108_20200911_02_T2	2009-11-8	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20101204_20200910_02_T2	2010-12-4	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20100203_20200911_02_T2	2010-2-3	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20110105_20200910_02_T2	2011-1-5	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20111114_20200909_02_T2	2011-11-14	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20111130_20200909_02_T2	2011-11-30	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20111216_20200909_02_T2	2011-12-16	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20110215_20201008_02_T2	2011-2-15	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_083107_20120117_20200909_02_T2	2012-1-17	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20121225_20200908_02_T2	2012-12-25	Landsat 7
MACK	MacKellar Islands	-66.97	142.65	LE07_L1GT_084107_20130211_20200908_02_T2	2013-2-11	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LT04_L1GS_216104_19880204_20200917_02_T2	1988-2-4	Landsat 4
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LT04_L1GS_215104_19900218_20200916_02_T2	1990-2-18	Landsat 4
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_215104_20000129_20200918_02_T2	2000-1-29	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_216104_20000221_20200918_02_T2	2000-2-21	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_216104_20011122_20200917_02_T2	2001-11-22	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_214104_20021127_20200916_02_T2	2002-11-27	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_216104_20040216_20200915_02_T2	2004-2-16	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_215104_20040225_20200915_02_T2	2004-2-25	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_215104_20050110_20200915_02_T2	2005-1-10	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_214104_20050119_20200915_02_T2	2005-1-19	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_215104_20051228_20200914_02_T2	2005-12-28	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_216104_20060221_20200914_02_T2	2006-2-21	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_214104_20060223_20200914_02_T2	2006-2-23	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_216104_20070107_20200913_02_T2	2007-1-7	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_216104_20080126_20200912_02_T2	2008-1-26	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_215104_20081204_20200912_02_T2	2008-12-4	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_214105_20100101_20200911_02_T2	2010-1-1	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_215104_20100225_20200911_02_T2	2010-2-25	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_215104_20110127_20200910_02_T2	2011-1-27	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_214104_20110205_20200910_02_T2	2011-2-5	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_214104_20120123_20200909_02_T2	2012-1-23	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_214104_20121224_20200908_02_T2	2012-12-24	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_216104_20120222_20200909_02_T2	2012-2-22	Landsat 7
MADD	Madder Cliff (Joinville Island)	-63.30	-56.48	LE07_L1GT_215104_20130116_20200908_02_T2	2013-1-16	Landsat 7
MAHE	Maher Island	-73.20	-127.05	LE07_L1GT_020112_20000107_20200918_02_T2	2000-1-7	Landsat 7
MAHE	Maher Island	-73.20	-127.05	LE07_L1GT_020112_20021230_20200916_02_T2	2002-12-30	Landsat 7
MAHE	Maher Island	-73.20	-127.05	LE07_L1GT_019112_20050113_20200915_02_T2	2005-1-13	Landsat 7
MAHE	Maher Island	-73.20	-127.05	LE07_L1GT_019112_20050214_20200914_02_T2	2005-2-14	Landsat 7
MAHE	Maher Island	-73.20	-127.05	LE07_L1GT_019112_20080223_20200913_02_T2	2008-2-23	Landsat 7
MAHE	Maher Island	-73.20	-127.05	LE07_L1GT_019112_20100111_20200911_02_T2	2010-1-11	Landsat 7
MAHE	Maher Island	-73.20	-127.05	LE07_L1GT_019112_20110130_20200910_02_T2	2011-1-30	Landsat 7
MAHE	Maher Island	-73.20	-127.05	LE07_L1GT_018112_20110208_20200910_02_T2	2011-2-8	Landsat 7
MAHE	Maher Island	-73.20	-127.05	LE07_L1GT_019112_20130119_20200908_02_T2	2013-1-19	Landsat 7
MALL	Mallory Point	-66.83	108.64	LT04_L1GS_105107_19891112_20200916_02_T2	1989-11-12	Landsat 4
MALL	Mallory Point	-66.83	108.64	LT05_L1GS_106107_19910202_20200915_02_T2	1991-2-2	Landsat 5
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20000102_20200918_02_T2	2000-1-2	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_107107_20021216_20200916_02_T2	2002-12-16	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20021218_20200916_02_T2	2002-12-18	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20070114_20200913_02_T2	2007-1-14	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20070121_20200913_02_T2	2007-1-21	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20070105_20200913_02_T2	2007-1-5	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_107107_20071230_20200913_02_T2	2007-12-30	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20080117_20200913_02_T2	2008-1-17	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_107107_20081130_20200912_02_T2	2008-11-30	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20080218_20200912_02_T2	2008-2-18	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20080209_20200912_02_T2	2008-2-9	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20090110_20200912_02_T2	2009-1-10	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20090103_20200912_02_T2	2009-1-3	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20091212_20200911_02_T2	2009-12-12	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_107107_20091219_20200911_02_T2	2009-12-19	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20091228_20200911_02_T2	2009-12-28	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20101122_20200910_02_T2	2010-11-22	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20101129_20200910_02_T2	2010-11-29	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_107107_20101104_20200911_02_T2	2010-11-4	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20101106_20200910_02_T2	2010-11-6	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20101231_20200910_02_T2	2010-12-31	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20100214_20200911_02_T2	2010-2-14	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_107107_20100221_20200911_02_T2	2010-2-21	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20110125_20200910_02_T2	2011-1-25	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20111125_20200909_02_T2	2011-11-25	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_107107_20111107_20200909_02_T2	2011-11-7	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20111109_20200909_02_T2	2011-11-9	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20111211_20200909_02_T2	2011-12-11	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20111227_20200909_02_T2	2011-12-27	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20110201_20200910_02_T2	2011-2-1	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20110217_20200910_02_T2	2011-2-17	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_107107_20110224_20200910_02_T2	2011-2-24	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_107107_20120126_20200909_02_T2	2012-1-26	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20120128_20200909_02_T2	2012-1-28	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20121204_20200908_02_T2	2012-12-4	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_105107_20120213_20200909_02_T2	2012-2-13	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_107107_20120227_20200909_02_T2	2012-2-27	Landsat 7
MALL	Mallory Point	-66.83	108.64	LE07_L1GT_106107_20130206_20200908_02_T2	2013-2-6	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LT04_L1GS_135108_19891114_20200916_02_T2	1989-11-14	Landsat 4
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20011210_20200917_02_T2	2001-12-10	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20021125_20200916_02_T2	2002-11-25	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20021127_20200916_02_T2	2002-11-27	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135107_20021204_20200916_02_T2	2002-12-4	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20060122_20200914_02_T2	2006-1-22	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135107_20061215_20200913_02_T2	2006-12-15	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20061224_20200913_02_T2	2006-12-24	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135107_20061231_20200913_02_T2	2006-12-31	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20070125_20200913_02_T2	2007-1-25	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20070107_20200913_02_T2	2007-1-7	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20070109_20200913_02_T2	2007-1-9	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20071218_20200913_02_T2	2007-12-18	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135107_20070217_20200913_02_T2	2007-2-17	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20070224_20200913_02_T2	2007-2-24	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20080112_20200913_02_T2	2008-1-12	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20080119_20200913_02_T2	2008-1-19	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20081127_20200912_02_T2	2008-11-27	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20080211_20200913_02_T2	2008-2-11	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135107_20080220_20200912_02_T2	2008-2-20	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135107_20080204_20200912_02_T2	2008-2-4	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20090121_20200912_02_T2	2009-1-21	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20090105_20200912_02_T2	2009-1-5	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20091114_20200911_02_T2	2009-11-14	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20091130_20200911_02_T2	2009-11-30	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20100101_20200911_02_T2	2010-1-1	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20100131_20200911_02_T2	2010-1-31	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20100108_20200911_02_T2	2010-1-8	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20101210_20200910_02_T2	2010-12-10	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20100216_20200911_02_T2	2010-2-16	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20100202_20200911_02_T2	2010-2-2	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20100225_20200911_02_T2	2010-2-25	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20100209_20200911_02_T2	2010-2-9	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20110111_20200910_02_T2	2011-1-11	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20110120_20200910_02_T2	2011-1-20	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20110127_20200910_02_T2	2011-1-27	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20111102_20200909_02_T2	2011-11-2	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20111120_20200909_02_T2	2011-11-20	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20111104_20200909_02_T2	2011-11-4	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20111213_20200909_02_T2	2011-12-13	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20111220_20200909_02_T2	2011-12-20	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20111206_20200909_02_T2	2011-12-6	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20110219_20200910_02_T2	2011-2-19	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20110228_20200910_02_T2	2011-2-28	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20120123_20200909_02_T2	2012-1-23	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20120130_20200909_02_T2	2012-1-30	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20121113_20200908_02_T2	2012-11-13	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20121104_20200908_02_T2	2012-11-4	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20121106_20200908_02_T2	2012-11-6	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20121224_20200908_02_T2	2012-12-24	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_135108_20121231_20200908_02_T2	2012-12-31	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20121208_20200908_02_T2	2012-12-8	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20130210_20200908_02_T2	2013-2-10	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_136107_20130224_20200908_02_T2	2013-2-24	Landsat 7
MAWS	Mawson Coast (excl. Bechervaise Island)	-67.56	62.94	LE07_L1GT_134108_20130226_20200908_02_T2	2013-2-26	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LT04_L1GS_145106_19880118_20200917_02_T2	1988-1-18	Landsat 4
MBIS	Mount Biscoe	-66.22	51.33	LT04_L1GS_143107_19880205_20200917_02_T2	1988-2-5	Landsat 4
MBIS	Mount Biscoe	-66.22	51.33	LT04_L1GS_145106_19900208_20200916_02_T2	1990-2-8	Landsat 4
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_143107_20021126_20200916_02_T2	2002-11-26	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_144106_20030120_20200916_02_T2	2003-1-20	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_143107_20061121_20200913_02_T2	2006-11-21	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_144106_20061128_20200913_02_T2	2006-11-28	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_143107_20071108_20200913_02_T2	2007-11-8	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_144106_20071217_20200913_02_T2	2007-12-17	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_144106_20080118_20200913_02_T2	2008-1-18	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_143107_20080127_20200912_02_T2	2008-1-27	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_143107_20081126_20200912_02_T2	2008-11-26	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_144106_20090120_20200912_02_T2	2009-1-20	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_143107_20091113_20200911_02_T2	2009-11-13	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_144106_20111228_20200909_02_T2	2011-12-28	Landsat 7
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_144106_20121112_20200908_02_T2	2012-11-12	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
MBIS	Mount Biscoe	-66.22	51.33	LE07_L1GT_143107_20121121_20200908_02_T2	2012-11-21	Landsat 7
MERR	Merritt Island	-66.46	107.16	LE07_L1GT_107107_20120126_20200909_02_T2	2012-1-26	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LT04_L1GS_105107_19891112_20200916_02_T2	1989-11-12	Landsat 4
MIDG	Hollin/Midgley	-66.33	110.40	LT04_L1GS_104107_19900108_20200916_02_T2	1990-1-8	Landsat 4
MIDG	Hollin/Midgley	-66.33	110.40	LT05_L1GS_106106_19910202_20200915_02_T2	1991-2-2	Landsat 5
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_104107_20000205_20200918_02_T2	2000-2-5	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20011129_20200917_02_T2	2001-11-29	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_104107_20030112_20200916_02_T2	2003-1-12	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20070114_20200913_02_T2	2007-1-14	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_104107_20070107_20200913_02_T2	2007-1-7	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20080117_20200913_02_T2	2008-1-17	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_106107_20081123_20200912_02_T2	2008-11-23	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_104107_20081211_20200912_02_T2	2008-12-11	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20090119_20200912_02_T2	2009-1-19	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20091119_20200911_02_T2	2009-11-19	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20090204_20200912_02_T2	2009-2-4	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_104107_20100115_20200911_02_T2	2010-1-15	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_106107_20100129_20200911_02_T2	2010-1-29	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20101122_20200910_02_T2	2010-11-22	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_106107_20101129_20200910_02_T2	2010-11-29	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_104107_20110102_20200910_02_T2	2011-1-2	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20110125_20200910_02_T2	2011-1-25	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20111125_20200909_02_T2	2011-11-25	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20111227_20200909_02_T2	2011-12-27	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_105107_20110210_20200910_02_T2	2011-2-10	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_106106_20121220_20200908_02_T2	2012-12-20	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_104107_20121222_20200908_02_T2	2012-12-22	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_104107_20130123_20200908_02_T2	2013-1-23	Landsat 7
MIDG	Hollin/Midgley	-66.33	110.40	LE07_L1GT_106106_20130206_20200908_02_T2	2013-2-6	Landsat 7
NEIS	Nelly Island	-66.23	110.18	LE07_L1GT_105107_20090119_20200912_02_T2	2009-1-19	Landsat 7
NEIS	Nelly Island	-66.23	110.18	LE07_L1GT_105107_20091119_20200911_02_T2	2009-11-19	Landsat 7
NEIS	Nelly Island	-66.23	110.18	LE07_L1GT_105107_20090204_20200912_02_T2	2009-2-4	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
NEIS	Nelly Island	-66.23	110.18	LE07_L1GT_105107_20101122_20200910_02_T2	2010-11-22	Landsat 7
NEIS	Nelly Island	-66.23	110.18	LE07_L1GT_105107_20110125_20200910_02_T2	2011-1-25	Landsat 7
NEIS	Nelly Island	-66.23	110.18	LE07_L1GT_105107_20111211_20200909_02_T2	2011-12-11	Landsat 7
NEIS	Nelly Island	-66.23	110.18	LE07_L1GT_105107_20110210_20200910_02_T2	2011-2-10	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LT04_L1GS_060113_19881215_20200917_02_T2	1988-12-15	Landsat 4
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LT04_L1GS_064113_19891230_20200916_02_T2	1989-12-30	Landsat 4
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LT04_L1GS_064113_19901217_20200915_02_T2	1990-12-17	Landsat 4
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LT05_L1GS_062113_19910128_20200915_02_T2	1991-1-28	Landsat 5
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LT05_L1GS_064113_19910211_20200915_02_T2	1991-2-11	Landsat 5
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LT05_L1GS_062113_19910213_20200915_02_T2	1991-2-13	Landsat 5
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LT04_L1GS_063113_19920130_20200915_02_T2	1992-1-30	Landsat 4
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_19991214_20200918_02_T2	1999-12-14	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_19991226_20200918_02_T2	1999-12-26	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_19991230_20200918_02_T2	1999-12-30	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20000104_20200918_02_T2	2000-1-4	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20010124_20200917_02_T2	2001-1-24	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20011122_20200917_02_T2	2001-11-22	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20011129_20200917_02_T2	2001-11-29	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20011201_20200917_02_T2	2001-12-1	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20011210_20200917_02_T2	2001-12-10	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20011219_20200917_02_T2	2001-12-19	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20011226_20200917_02_T2	2001-12-26	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20020104_20200917_02_T2	2002-1-4	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20021120_20200916_02_T2	2002-11-20	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20021125_20200916_02_T2	2002-11-25	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20021127_20200916_02_T2	2002-11-27	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20021229_20200916_02_T2	2002-12-29	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20021204_20200916_02_T2	2002-12-4	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20030114_20200916_02_T2	2003-1-14	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20030103_20200916_02_T2	2003-1-3	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20050124_20200914_02_T2	2005-1-24	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20050211_20200914_02_T2	2005-2-11	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20050213_20200914_02_T2	2005-2-13	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20050202_20200914_02_T2	2005-2-2	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20061201_20200913_02_T2	2006-12-1	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20061215_20200913_02_T2	2006-12-15	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20061217_20200913_02_T2	2006-12-17	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20061222_20200913_02_T2	2006-12-22	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20061229_20200913_02_T2	2006-12-29	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20061206_20200913_02_T2	2006-12-6	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20070102_20200913_02_T2	2007-1-2	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20070130_20200913_02_T2	2007-1-30	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20070107_20200913_02_T2	2007-1-7	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20071116_20200913_02_T2	2007-11-16	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20071118_20200913_02_T2	2007-11-18	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20071123_20200913_02_T2	2007-11-23	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20071125_20200913_02_T2	2007-11-25	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20071211_20200913_02_T2	2007-12-11	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20071202_20200913_02_T2	2007-12-2	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20071220_20200913_02_T2	2007-12-20	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20070201_20200913_02_T2	2007-2-1	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20070210_20200913_02_T2	2007-2-10	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20081120_20200913_02_T2	2008-11-20	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20081125_20200912_02_T2	2008-11-25	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20081218_20200912_02_T2	2008-12-18	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20081202_20200912_02_T2	2008-12-2	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20081220_20200912_02_T2	2008-12-20	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20081222_20200912_02_T2	2008-12-22	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20081227_20200912_02_T2	2008-12-27	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20081229_20200912_02_T2	2008-12-29	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20081206_20200912_02_T2	2008-12-6	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20090114_20200912_02_T2	2009-1-14	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20090119_20200912_02_T2	2009-1-19	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20090121_20200912_02_T2	2009-1-21	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20090123_20200912_02_T2	2009-1-23	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20090105_20200912_02_T2	2009-1-5	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20091214_20200911_02_T2	2009-12-14	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20091221_20200911_02_T2	2009-12-21	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20091205_20200911_02_T2	2009-12-5	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20091207_20200911_02_T2	2009-12-7	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20090224_20200912_02_T2	2009-2-24	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20100131_20200911_02_T2	2010-1-31	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20101110_20200910_02_T2	2010-11-10	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20101122_20200910_02_T2	2010-11-22	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20101124_20200910_02_T2	2010-11-24	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20101126_20200910_02_T2	2010-11-26	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20101106_20200910_02_T2	2010-11-6	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20101210_20200910_02_T2	2010-12-10	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20101212_20200910_02_T2	2010-12-12	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20101217_20200910_02_T2	2010-12-17	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20101224_20200910_02_T2	2010-12-24	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20100223_20200911_02_T2	2010-2-23	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20110118_20200910_02_T2	2011-1-18	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20110102_20200910_02_T2	2011-1-2	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20110120_20200910_02_T2	2011-1-20	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20110125_20200910_02_T2	2011-1-25	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20110104_20200910_02_T2	2011-1-4	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20111113_20200909_02_T2	2011-11-13	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20111118_20200909_02_T2	2011-11-18	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20111102_20200909_02_T2	2011-11-2	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20111129_20200909_02_T2	2011-11-29	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20111215_20200909_02_T2	2011-12-15	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20111220_20200909_02_T2	2011-12-20	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20111222_20200909_02_T2	2011-12-22	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20111231_20200909_02_T2	2011-12-31	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20120121_20200909_02_T2	2012-1-21	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20120107_20200909_02_T2	2012-1-7	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20121111_20200908_02_T2	2012-11-11	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20121113_20200908_02_T2	2012-11-13	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20121115_20200908_02_T2	2012-11-15	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20121120_20200908_02_T2	2012-11-20	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_064113_20121127_20200908_02_T2	2012-11-27	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20121129_20200908_02_T2	2012-11-29	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20121104_20200908_02_T2	2012-11-4	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20121201_20200908_02_T2	2012-12-1	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20121215_20200908_02_T2	2012-12-15	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20121217_20200908_02_T2	2012-12-17	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_060113_20120217_20200909_02_T2	2012-2-17	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20120206_20200909_02_T2	2012-2-6	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_061113_20120208_20200909_02_T2	2012-2-8	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_062113_20130116_20200908_02_T2	2013-1-16	Landsat 7
NORF	Northern Foothills (Terra Nova Bay)	-74.75	164.00	LE07_L1GT_063113_20130123_20200908_02_T2	2013-1-23	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LT04_L1GS_105107_19891112_20200916_02_T2	1989-11-12	Landsat 4
ODBE	Odbert Island	-66.37	110.54	LT04_L1GS_104107_19891121_20200916_02_T2	1989-11-21	Landsat 4
ODBE	Odbert Island	-66.37	110.54	LT04_L1GS_104107_19900108_20200916_02_T2	1990-1-8	Landsat 4
ODBE	Odbert Island	-66.37	110.54	LT05_L1GS_105107_19910211_20200915_02_T2	1991-2-11	Landsat 5
ODBE	Odbert Island	-66.37	110.54	LT05_L1GS_106106_19910202_20200915_02_T2	1991-2-2	Landsat 5
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_106107_20000102_20200918_02_T2	2000-1-2	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_104107_20000205_20200918_02_T2	2000-2-5	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_104107_20010122_20200917_02_T2	2001-1-22	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20011129_20200917_02_T2	2001-11-29	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_106107_20011206_20200917_02_T2	2001-12-6	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_104107_20030112_20200916_02_T2	2003-1-12	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20070114_20200913_02_T2	2007-1-14	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_104107_20070107_20200913_02_T2	2007-1-7	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_104107_20071209_20200913_02_T2	2007-12-9	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20080117_20200913_02_T2	2008-1-17	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_104107_20081211_20200912_02_T2	2008-12-11	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20081218_20200912_02_T2	2008-12-18	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_104107_20080211_20200913_02_T2	2008-2-11	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20090119_20200912_02_T2	2009-1-19	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20091119_20200911_02_T2	2009-11-19	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20090204_20200912_02_T2	2009-2-4	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_104107_20100115_20200911_02_T2	2010-1-15	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_106107_20100129_20200911_02_T2	2010-1-29	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20101122_20200910_02_T2	2010-11-22	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_106107_20101129_20200910_02_T2	2010-11-29	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_106107_20100214_20200911_02_T2	2010-2-14	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_104107_20110102_20200910_02_T2	2011-1-2	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20110125_20200910_02_T2	2011-1-25	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20111125_20200909_02_T2	2011-11-25	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20111227_20200909_02_T2	2011-12-27	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_105107_20110210_20200910_02_T2	2011-2-10	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_106106_20121220_20200908_02_T2	2012-12-20	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_104107_20121222_20200908_02_T2	2012-12-22	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_106106_20121204_20200908_02_T2	2012-12-4	Landsat 7
ODBE	Odbert Island	-66.37	110.54	LE07_L1GT_106106_20130206_20200908_02_T2	2013-2-6	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LT04_L1GS_135108_19891216_20200916_02_T2	1989-12-16	Landsat 4
OLDH	Oldham Island	-67.52	61.73	LT04_L1GS_137107_19890213_20200916_02_T2	1989-2-13	Landsat 4
OLDH	Oldham Island	-67.52	61.73	LT04_L1GS_137107_19900131_20200916_02_T2	1990-1-31	Landsat 4
OLDH	Oldham Island	-67.52	61.73	LT04_L1GS_137107_19920121_20200914_02_T2	1992-1-21	Landsat 4
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20000214_20200918_02_T2	2000-2-14	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20011122_20200917_02_T2	2001-11-22	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20021125_20200916_02_T2	2002-11-25	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20021204_20200916_02_T2	2002-12-4	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20061215_20200913_02_T2	2006-12-15	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20061231_20200913_02_T2	2006-12-31	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20070107_20200913_02_T2	2007-1-7	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20070215_20200913_02_T2	2007-2-15	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20070224_20200913_02_T2	2007-2-24	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20080119_20200913_02_T2	2008-1-19	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20080126_20200913_02_T2	2008-1-26	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20080211_20200913_02_T2	2008-2-11	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20090121_20200912_02_T2	2009-1-21	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20090105_20200912_02_T2	2009-1-5	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20091119_20200911_02_T2	2009-11-19	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20091230_20200911_02_T2	2009-12-30	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20100122_20200911_02_T2	2010-1-22	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20100131_20200911_02_T2	2010-1-31	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20100108_20200911_02_T2	2010-1-8	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20101208_20200910_02_T2	2010-12-8	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20100216_20200911_02_T2	2010-2-16	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20100223_20200911_02_T2	2010-2-23	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20100225_20200911_02_T2	2010-2-25	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20100209_20200911_02_T2	2010-2-9	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20110109_20200910_02_T2	2011-1-9	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20111102_20200909_02_T2	2011-11-2	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20111211_20200909_02_T2	2011-12-11	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20111220_20200909_02_T2	2011-12-20	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20111227_20200909_02_T2	2011-12-27	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20110219_20200910_02_T2	2011-2-19	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20110226_20200910_02_T2	2011-2-26	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20110228_20200910_02_T2	2011-2-28	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20120112_20200909_02_T2	2012-1-12	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20120130_20200909_02_T2	2012-1-30	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_135108_20121231_20200908_02_T2	2012-12-31	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20121206_20200908_02_T2	2012-12-6	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_137107_20120213_20200909_02_T2	2012-2-13	Landsat 7
OLDH	Oldham Island	-67.52	61.73	LE07_L1GT_136107_20130224_20200908_02_T2	2013-2-24	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
PAUL	Paulet Island	-63.58	-55.79	LT04_L1GS_215104_19880229_20200917_02_T2	1988-2-29	Landsat 4
PAUL	Paulet Island	-63.58	-55.79	LT04_L1GS_214105_19880206_20200917_02_T2	1988-2-6	Landsat 4
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20000223_20200918_02_T2	2000-2-23	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20010108_20200917_02_T2	2001-1-8	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20011124_20200917_02_T2	2001-11-24	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20030222_20200916_02_T2	2003-2-22	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20040202_20200915_02_T2	2004-2-2	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20040225_20200915_02_T2	2004-2-25	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20040209_20200915_02_T2	2004-2-9	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20050110_20200915_02_T2	2005-1-10	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20050211_20200914_02_T2	2005-2-11	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20060106_20200914_02_T2	2006-1-6	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20061215_20200913_02_T2	2006-12-15	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20061231_20200913_02_T2	2006-12-31	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20060223_20200914_02_T2	2006-2-23	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20070125_20200913_02_T2	2007-1-25	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20071227_20200913_02_T2	2007-12-27	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20070210_20200913_02_T2	2007-2-10	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20070217_20200913_02_T2	2007-2-17	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20081213_20200912_02_T2	2008-12-13	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20081229_20200912_02_T2	2008-12-29	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20081204_20200912_02_T2	2008-12-4	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20100218_20200911_02_T2	2010-2-18	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20111206_20200909_02_T2	2011-12-6	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20110205_20201008_02_T2	2011-2-5	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20121215_20200908_02_T2	2012-12-15	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_215104_20121231_20200908_02_T2	2012-12-31	Landsat 7
PAUL	Paulet Island	-63.58	-55.79	LE07_L1GT_214105_20130210_20200908_02_T2	2013-2-10	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LT05_L1GS_215105_19841124_20200918_02_T2	1984-11-24	Landsat 5
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LT04_L1GS_215105_19880229_20200917_02_T2	1988-2-29	Landsat 4
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LT04_L1GS_216105_19900209_20200916_02_T2	1990-2-9	Landsat 4
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_216105_20000221_20200918_02_T2	2000-2-21	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20000223_20200918_02_T2	2000-2-23	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_216105_20010106_20200917_02_T2	2001-1-6	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20010108_20200917_02_T2	2001-1-8	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20011124_20200917_02_T2	2001-11-24	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_216105_20021227_20200916_02_T2	2002-12-27	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_215105_20030222_20200916_02_T2	2003-2-22	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20040218_20200915_02_T2	2004-2-18	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_215105_20040225_20200915_02_T2	2004-2-25	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_215105_20050110_20200915_02_T2	2005-1-10	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20060106_20200914_02_T2	2006-1-6	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_216105_20061206_20200913_02_T2	2006-12-6	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20061208_20200913_02_T2	2006-12-8	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20060223_20200914_02_T2	2006-2-23	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_216105_20060205_20200914_02_T2	2006-2-5	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20070125_20200913_02_T2	2007-1-25	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20071227_20200913_02_T2	2007-12-27	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_216105_20080126_20200913_02_T2	2008-1-26	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_216105_20081211_20200912_02_T2	2008-12-11	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20081213_20200912_02_T2	2008-12-13	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20100218_20200911_02_T2	2010-2-18	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_215105_20111111_20200909_02_T2	2011-11-11	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_216105_20110219_20201008_02_T2	2011-2-19	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_214105_20110205_20201008_02_T2	2011-2-5	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_215105_20121113_20200908_02_T2	2012-11-13	Landsat 7
PEPO	Penguin Point (Seymour Island)	-64.30	-56.69	LE07_L1GT_216105_20120222_20200909_02_T2	2012-2-22	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LT05_L1GS_086107_19890114_20200916_02_T2	1989-1-14	Landsat 5
PGEO	Point Geologie	-66.67	140.01	LT04_L1GS_087107_19891129_20200916_02_T2	1989-11-29	Landsat 4
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_085107_19991229_20200918_02_T2	1999-12-29	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_087107_20000112_20200918_02_T2	2000-1-12	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20000206_20200918_02_T2	2000-2-6	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_087107_20011114_20200917_02_T2	2001-11-14	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20011209_20200917_02_T2				2001-12-9	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_085107_20021119_20200916_02_T2				2002-11-19	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20021126_20200916_02_T2				2002-11-26	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20070124_20200913_02_T2				2007-1-24	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20071108_20200913_02_T2				2007-11-8	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20071210_20200913_02_T2				2007-12-10	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_085107_20071203_20200913_02_T2				2007-12-3	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_087107_20070216_20200913_02_T2				2007-2-16	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20070225_20200913_02_T2				2007-2-25	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20081126_20200912_02_T2				2008-11-26	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20081212_20200912_02_T2				2008-12-12	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_087107_20080219_20200912_02_T2				2008-2-19	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20090129_20200912_02_T2				2009-1-29	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_087107_20091120_20200911_02_T2				2009-11-20	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20091129_20200911_02_T2				2009-11-29	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_087107_20091104_20200911_02_T2				2009-11-4	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20091215_20200911_02_T2				2009-12-15	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_085107_20091224_20200911_02_T2				2009-12-24	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20091231_20200911_02_T2				2009-12-31	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_087107_20100107_20200911_02_T2				2010-1-7	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_087107_20101123_20200910_02_T2				2010-11-23	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_085107_20101227_20200910_02_T2				2010-12-27	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_085107_20100226_20200911_02_T2				2010-2-26	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20110220_20200910_02_T2				2011-2-20	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20110204_20200910_02_T2				2011-2-4	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_086107_20121207_20200908_02_T2				2012-12-7	Landsat 7
PGEO	Point Geologie	-66.67	140.01	LE07_L1GT_085107_20120216_20200909_02_T2				2012-2-16	Landsat 7
PHIL	Cape Phillips	-73.07	169.62	LE07_L1GT_060112_20061217_20200913_02_T2				2006-12-17	Landsat 7
PHIL	Cape Phillips	-73.07	169.62	LE07_L1GT_061112_20070109_20200913_02_T2				2007-1-9	Landsat 7
PHIL	Cape Phillips	-73.07	169.62	LE07_L1GT_061112_20070210_20200913_02_T2				2007-2-10	Landsat 7
PHIL	Cape Phillips	-73.07	169.62	LE07_L1GT_060112_20090123_20200912_02_T2				2009-1-23	Landsat 7
PHIL	Cape Phillips	-73.07	169.62	LE07_L1GT_061112_20110104_20200910_02_T2				2011-1-4	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
PHIL	Cape Phillips	-73.07	169.62	LE07_L1GT_061112_20120107_20200909_02_T2	2012-1-7	Landsat 7
PHIL	Cape Phillips	-73.07	169.62	LE07_L1GT_062112_20121129_20200908_02_T2	2012-11-29	Landsat 7
PHIL	Cape Phillips	-73.07	169.62	LE07_L1GT_060112_20120201_20200909_02_T2	2012-2-1	Landsat 7
PHIL	Cape Phillips	-73.07	169.62	LE07_L1GT_061112_20120208_20200909_02_T2	2012-2-8	Landsat 7
PHIL	Cape Phillips	-73.07	169.62	LE07_L1GT_062112_20130116_20200908_02_T2	2013-1-16	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LT05_L1GS_082107_19890102_20200916_02_T2	1989-1-2	Landsat 5
PIGE	Cape Pigeon Rocks	-66.93	143.89	LT04_L1GS_084107_19891210_20200916_02_T2	1989-12-10	Landsat 4
PIGE	Cape Pigeon Rocks	-66.93	143.89	LT04_L1GS_084107_19900111_20200916_02_T2	1990-1-11	Landsat 4
PIGE	Cape Pigeon Rocks	-66.93	143.89	LT04_L1GS_084107_19900127_20200916_02_T2	1990-1-27	Landsat 4
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20000123_20200918_02_T2	2000-1-23	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20000125_20200918_02_T2	2000-1-25	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20011213_20200917_02_T2	2001-12-13	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20011227_20200917_02_T2	2001-12-27	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20021114_20200916_02_T2	2002-11-14	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20030202_20200916_02_T2	2003-2-2	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20040127_20200915_02_T2	2004-1-27	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20061211_20200913_02_T2	2006-12-11	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20061218_20200913_02_T2	2006-12-18	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20061202_20200913_02_T2	2006-12-2	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20061225_20200913_02_T2	2006-12-25	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20070103_20200913_02_T2	2007-1-3	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20071110_20200913_02_T2	2007-11-10	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20071126_20200913_02_T2	2007-11-26	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20071103_20200913_02_T2	2007-11-3	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20071214_20200913_02_T2	2007-12-14	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20071205_20200913_02_T2	2007-12-5	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20080131_20200912_02_T2	2008-1-31	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20081112_20200913_02_T2	2008-11-12	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20081128_20200912_02_T2	2008-11-28	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20081223_20200912_02_T2	2008-12-23	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20091115_20200911_02_T2	2009-11-15	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20091117_20200911_02_T2	2009-11-17	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20091219_20200911_02_T2	2009-12-19	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20091203_20200911_02_T2	2009-12-3	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20090218_20200912_02_T2	2009-2-18	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20090202_20200912_02_T2	2009-2-2	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20090209_20200912_02_T2	2009-2-9	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20100102_20200911_02_T2	2010-1-2	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20101213_20200910_02_T2	2010-12-13	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20101206_20200910_02_T2	2010-12-6	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20100228_20200911_02_T2	2010-2-28	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20100203_20200911_02_T2	2010-2-3	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20110114_20200910_02_T2	2011-1-14	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20110105_20200910_02_T2	2011-1-5	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20111216_20200909_02_T2	2011-12-16	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_084107_20110222_20200910_02_T2	2011-2-22	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_083107_20120202_20200909_02_T2	2012-2-2	Landsat 7
PIGE	Cape Pigeon Rocks	-66.93	143.89	LE07_L1GT_082107_20130213_20200908_02_T2	2013-2-13	Landsat 7
PISL	Peterson Island	-66.47	110.50	LT04_L1GS_105107_19891112_20200916_02_T2	1989-11-12	Landsat 4
PISL	Peterson Island	-66.47	110.50	LT04_L1GS_104107_19891121_20200916_02_T2	1989-11-21	Landsat 4
PISL	Peterson Island	-66.47	110.50	LT04_L1GS_104107_19900108_20200916_02_T2	1990-1-8	Landsat 4
PISL	Peterson Island	-66.47	110.50	LT05_L1GS_105107_19910211_20200915_02_T2	1991-2-11	Landsat 5
PISL	Peterson Island	-66.47	110.50	LT05_L1GS_106107_19910202_20200915_02_T2	1991-2-2	Landsat 5
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_106107_20000102_20200918_02_T2	2000-1-2	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20000205_20200918_02_T2	2000-2-5	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20010122_20200917_02_T2	2001-1-22	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_105107_20011129_20200917_02_T2	2001-11-29	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_106107_20011206_20200917_02_T2	2001-12-6	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20030112_20200916_02_T2	2003-1-12	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_105107_20070114_20200913_02_T2	2007-1-14	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20071209_20200913_02_T2	2007-12-9	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20080110_20200913_02_T2	2008-1-10	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_106107_20081123_20200912_02_T2	2008-11-23	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20081211_20200912_02_T2	2008-12-11	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20080211_20200913_02_T2	2008-2-11	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_105107_20090119_20200912_02_T2	2009-1-19	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20091112_20200911_02_T2	2009-11-12	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_105107_20091119_20200911_02_T2	2009-11-19	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_106107_20091228_20200911_02_T2	2009-12-28	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_105107_20090204_20200912_02_T2	2009-2-4	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20100115_20200911_02_T2	2010-1-15	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_105107_20101122_20200910_02_T2	2010-11-22	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_106107_20101129_20200910_02_T2	2010-11-29	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_106107_20100214_20200911_02_T2	2010-2-14	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20110102_20200910_02_T2	2011-1-2	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_105107_20110125_20200910_02_T2	2011-1-25	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_105107_20111125_20200909_02_T2	2011-11-25	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_105107_20111109_20200909_02_T2	2011-11-9	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_105107_20111227_20200909_02_T2	2011-12-27	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_106107_20121118_20200908_02_T2	2012-11-18	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_106107_20121220_20200908_02_T2	2012-12-20	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20121222_20200908_02_T2	2012-12-22	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_106107_20121204_20200908_02_T2	2012-12-4	Landsat 7
PISL	Peterson Island	-66.47	110.50	LE07_L1GT_104107_20130107_20200908_02_T2	2013-1-7	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LT04_L1GS_215104_19880229_20200917_02_T2	1988-2-29	Landsat 4
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LT04_L1GS_215104_19900218_20200916_02_T2	1990-2-18	Landsat 4
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_215104_20000129_20200918_02_T2	2000-1-29	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20000223_20200918_02_T2	2000-2-23	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20010108_20200917_02_T2	2001-1-8	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20011124_20200917_02_T2	2001-11-24	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_215104_20011201_20200917_02_T2	2001-12-1	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20011210_20200917_02_T2	2001-12-10	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20021229_20200916_02_T2	2002-12-29	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_215104_20030222_20200916_02_T2	2003-2-22	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20040202_20200915_02_T2	2004-2-2	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_215104_20040225_20200915_02_T2				2004-2-25	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_215104_20040209_20200915_02_T2				2004-2-9	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20061122_20200913_02_T2				2006-11-22	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_215104_20061215_20200913_02_T2				2006-12-15	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_215104_20061231_20200913_02_T2				2006-12-31	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20061208_20200913_02_T2				2006-12-8	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20060223_20200914_02_T2				2006-2-23	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20070125_20200913_02_T2				2007-1-25	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20071227_20200913_02_T2				2007-12-27	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20070210_20200913_02_T2				2007-2-10	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20081229_20200912_02_T2				2008-12-29	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_215104_20081204_20200912_02_T2				2008-12-4	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_215104_20111213_20200909_02_T2				2011-12-13	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20110205_20200910_02_T2				2011-2-5	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20120208_20200909_02_T2				2012-2-8	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20130210_20200908_02_T2				2013-2-10	Landsat 7
PLAT	Plato Island (Platter Island)	-63.43	-54.67	LE07_L1GT_214104_20130226_20200908_02_T2				2013-2-26	Landsat 7
PMAR	Port Martin	-66.81	141.40	LT05_L1GS_086107_19890114_20200916_02_T2				1989-1-14	Landsat 5
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_085107_19991229_20200918_02_T2				1999-12-29	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20000123_20200918_02_T2				2000-1-23	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20000206_20200918_02_T2				2000-2-6	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20011227_20200917_02_T2				2001-12-27	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20011209_20200917_02_T2				2001-12-9	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_085107_20021119_20200916_02_T2				2002-11-19	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20021126_20200916_02_T2				2002-11-26	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20061123_20200913_02_T2				2006-11-23	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20061225_20200913_02_T2				2006-12-25	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20061209_20200913_02_T2				2006-12-9	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20070124_20200913_02_T2				2007-1-24	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20071110_20200913_02_T2				2007-11-10	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20071126_20200913_02_T2				2007-11-26	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20071108_20200913_02_T2				2007-11-8	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20071210_20200913_02_T2	2007-12-10	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_085107_20071203_20200913_02_T2	2007-12-3	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20070211_20200913_02_T2	2007-2-11	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20081112_20200913_02_T2	2008-11-12	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20081126_20200912_02_T2	2008-11-26	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20081212_20200912_02_T2	2008-12-12	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20081228_20200912_02_T2	2008-12-28	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20090129_20200912_02_T2	2009-1-29	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20091113_20200911_02_T2	2009-11-13	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20091115_20200911_02_T2	2009-11-15	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20091129_20200911_02_T2	2009-11-29	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_085107_20091106_20200911_02_T2	2009-11-6	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20091215_20200911_02_T2	2009-12-15	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_085107_20091224_20200911_02_T2	2009-12-24	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20091231_20200911_02_T2	2009-12-31	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20090214_20200912_02_T2	2009-2-14	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_085107_20101211_20200910_02_T2	2010-12-11	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20101202_20200910_02_T2	2010-12-2	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20100203_20200911_02_T2	2010-2-3	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20110105_20200910_02_T2	2011-1-5	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20110220_20200910_02_T2	2011-2-20	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20110222_20200910_02_T2	2011-2-22	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20110204_20200910_02_T2	2011-2-4	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20121225_20200908_02_T2	2012-12-25	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20121207_20200908_02_T2	2012-12-7	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_084107_20130211_20200908_02_T2	2013-2-11	Landsat 7
PMAR	Port Martin	-66.81	141.40	LE07_L1GT_086107_20130225_20200908_02_T2	2013-2-25	Landsat 7
POSS	Possession Island	-71.89	171.17	LT05_L1GS_062111_19910213_20200915_02_T2	1991-2-13	Landsat 5
POSS	Possession Island	-71.89	171.17	LE07_L1GT_060111_19991230_20200918_02_T2	1999-12-30	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20000120_20200918_02_T2	2000-1-20	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_061111_20011210_20200917_02_T2	2001-12-10	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
POSS	Possession Island	-71.89	171.17	LE07_L1GT_061111_20021229_20200916_02_T2	2002-12-29	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20061231_20200913_02_T2	2006-12-31	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20061206_20200913_02_T2	2006-12-6	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20070116_20200913_02_T2	2007-1-16	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20070107_20200913_02_T2	2007-1-7	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_061111_20070109_20200913_02_T2	2007-1-9	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_061111_20071211_20200913_02_T2	2007-12-11	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20071202_20200913_02_T2	2007-12-2	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20081125_20200912_02_T2	2008-11-25	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20081109_20200912_02_T2	2008-11-9	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_060111_20081222_20200912_02_T2	2008-12-22	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_060111_20081206_20200912_02_T2	2008-12-6	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20090112_20200912_02_T2	2009-1-12	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_061111_20090114_20200912_02_T2	2009-1-14	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20090121_20200912_02_T2	2009-1-21	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20091128_20200911_02_T2	2009-11-28	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20091214_20200911_02_T2	2009-12-14	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20091207_20200911_02_T2	2009-12-7	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20100108_20200911_02_T2	2010-1-8	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_060111_20101110_20200911_02_T2	2010-11-10	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20101124_20200910_02_T2	2010-11-24	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20101201_20200910_02_T2	2010-12-1	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20101210_20200910_02_T2	2010-12-10	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20101226_20200910_02_T2	2010-12-26	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_060111_20100227_20200911_02_T2	2010-2-27	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_061111_20110104_20200910_02_T2	2011-1-4	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_060111_20111113_20200909_02_T2	2011-11-13	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_060111_20111215_20200909_02_T2	2011-12-15	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_060111_20110214_20200910_02_T2	2011-2-14	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20110219_20200910_02_T2	2011-2-19	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20120105_20200909_02_T2	2012-1-5	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_061111_20120107_20200909_02_T2	2012-1-7	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20121113_20200908_02_T2	2012-11-13	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20121129_20200908_02_T2	2012-11-29	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20121104_20200908_02_T2	2012-11-4	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_061111_20120208_20200909_02_T2	2012-2-8	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_062111_20130116_20200908_02_T2	2013-1-16	Landsat 7
POSS	Possession Island	-71.89	171.17	LE07_L1GT_063110_20130123_20200908_02_T2	2013-1-23	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_142106_20000130_20200918_02_T2	2000-1-30	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_143106_20011123_20200917_02_T2	2001-11-23	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_143106_20021126_20200916_02_T2	2002-11-26	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_141106_20021128_20200916_02_T2	2002-11-28	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_141106_20030131_20200916_02_T2	2003-1-31	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_141106_20030216_20200916_02_T2	2003-2-16	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_142106_20030223_20200916_02_T2	2003-2-23	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_143106_20061121_20200913_02_T2	2006-11-21	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_142106_20061216_20200913_02_T2	2006-12-16	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_141106_20070126_20200913_02_T2	2007-1-26	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_142106_20071101_20200913_02_T2	2007-11-1	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_141106_20071110_20200913_02_T2	2007-11-10	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_143106_20070225_20200913_02_T2	2007-2-25	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_143106_20080127_20200913_02_T2	2008-1-27	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_141106_20081230_20200912_02_T2	2008-12-30	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_141106_20090115_20200912_02_T2	2009-1-15	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_142106_20101227_20200910_02_T2	2010-12-27	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_142106_20100210_20200911_02_T2	2010-2-10	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_143106_20111119_20200909_02_T2	2011-11-19	Landsat 7
PROC	Proclamation Island	-65.84	53.69	LE07_L1GT_143106_20121121_20200908_02_T2	2012-11-21	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LT04_L1GS_125108_19891108_20200916_02_T2	1989-11-8	Landsat 4
RAUE	Rauer Islands	-68.83	77.68	LT04_L1GS_124109_19900120_20200916_02_T2	1990-1-20	Landsat 4
RAUE	Rauer Islands	-68.83	77.68	LT05_L1GS_124108_19910216_20200915_02_T2	1991-2-16	Landsat 5
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_126108_20000130_20200918_02_T2	2000-1-30	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20000217_20200918_02_T2	2000-2-17	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20010118_20200917_02_T2	2001-1-18	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20030115_20200916_02_T2	2003-1-15	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124108_20030124_20200916_02_T2	2003-1-24	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20040203_20200915_02_T2	2004-2-3	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20050120_20200915_02_T2	2005-1-20	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_126108_20051127_20200914_02_T2	2005-11-27	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20050221_20200914_02_T2	2005-2-21	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_126108_20060130_20200914_02_T2	2006-1-30	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20061123_20200913_02_T2	2006-11-23	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20061125_20200913_02_T2	2006-11-25	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20061218_20200913_02_T2	2006-12-18	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20060224_20200914_02_T2	2006-2-24	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20070119_20200913_02_T2	2007-1-19	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20071110_20200913_02_T2	2007-11-10	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20071126_20200913_02_T2	2007-11-26	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20071228_20200913_02_T2	2007-12-28	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20071230_20200913_02_T2	2007-12-30	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20080115_20200913_02_T2	2008-1-15	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20080122_20200913_02_T2	2008-1-22	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20081216_20200912_02_T2	2008-12-16	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20081223_20200912_02_T2	2008-12-23	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20090131_20200912_02_T2	2009-1-31	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20090108_20200912_02_T2	2009-1-8	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20091108_20200911_02_T2	2009-11-8	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20091201_20200911_02_T2	2009-12-1	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20091219_20200911_02_T2	2009-12-19	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20091226_20200911_02_T2	2009-12-26	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20091203_20200911_02_T2	2009-12-3	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20090216_20200912_02_T2	2009-2-16	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20090202_20200912_02_T2	2009-2-2	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20100118_20200911_02_T2	2010-1-18	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20100102_20200911_02_T2	2010-1-2	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20100120_20200911_02_T2	2010-1-20	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20101118_20200911_02_T2	2010-11-18	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20101222_20200910_02_T2	2010-12-22	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20110107_20200910_02_T2	2011-1-7	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20111121_20200909_02_T2	2011-11-21	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20111105_20200909_02_T2	2011-11-5	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20111107_20200909_02_T2	2011-11-7	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20110222_20200910_02_T2	2011-2-22	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_125108_20120124_20200909_02_T2	2012-1-24	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_123109_20120211_20200909_02_T2	2012-2-11	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20130119_20200908_02_T2	2013-1-19	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_126108_20130202_20200908_02_T2	2013-2-2	Landsat 7
RAUE	Rauer Islands	-68.83	77.68	LE07_L1GT_124109_20130204_20200908_02_T2	2013-2-4	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LT04_L1GS_137107_19891112_20200916_02_T2	1989-11-12	Landsat 4
ROOK	Rookery Islands	-67.60	62.51	LT04_L1GS_135108_19891114_20200916_02_T2	1989-11-14	Landsat 4
ROOK	Rookery Islands	-67.60	62.51	LT04_L1GS_137107_19900131_20200916_02_T2	1990-1-31	Landsat 4
ROOK	Rookery Islands	-67.60	62.51	LT04_L1GS_137107_19900216_20200916_02_T2	1990-2-16	Landsat 4
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20011201_20200917_02_T2	2001-12-1	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20021125_20200916_02_T2	2002-11-25	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20021127_20200916_02_T2	2002-11-27	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20021204_20200916_02_T2	2002-12-4	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20060122_20200914_02_T2	2006-1-22	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20061215_20200913_02_T2	2006-12-15	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20061224_20200913_02_T2	2006-12-24	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20061231_20200913_02_T2	2006-12-31	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20070125_20200913_02_T2	2007-1-25	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20070107_20200913_02_T2	2007-1-7	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20071107_20200913_02_T2	2007-11-7	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20071218_20200913_02_T2	2007-12-18	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20070224_20200913_02_T2	2007-2-24	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20080112_20200913_02_T2	2008-1-12	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20080119_20200913_02_T2	2008-1-19	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20081127_20200912_02_T2	2008-11-27	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20080211_20200913_02_T2	2008-2-11	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20090121_20200912_02_T2	2009-1-21	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20090105_20200912_02_T2	2009-1-5	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20091114_20200911_02_T2	2009-11-14	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_137107_20091119_20200911_02_T2	2009-11-19	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_137107_20100122_20200911_02_T2	2010-1-22	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20100131_20200911_02_T2	2010-1-31	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20101210_20200910_02_T2	2010-12-10	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20100216_20200911_02_T2	2010-2-16	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20100202_20200911_02_T2	2010-2-2	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20100209_20200911_02_T2	2010-2-9	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20110120_20200910_02_T2	2011-1-20	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20110127_20200910_02_T2	2011-1-27	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_137107_20110109_20200910_02_T2	2011-1-9	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20111102_20200909_02_T2	2011-11-2	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20111120_20200909_02_T2	2011-11-20	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20111104_20200909_02_T2	2011-11-4	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_137107_20111211_20200909_02_T2	2011-12-11	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20111213_20200909_02_T2	2011-12-13	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_137107_20111227_20200909_02_T2	2011-12-27	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20111206_20200909_02_T2	2011-12-6	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20110219_20200910_02_T2	2011-2-19	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20110221_20200910_02_T2	2011-2-21	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_137107_20110226_20200910_02_T2	2011-2-26	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_135108_20110228_20200910_02_T2	2011-2-28	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20120123_20200909_02_T2	2012-1-23	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20121104_20200908_02_T2	2012-11-4	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20121106_20200908_02_T2	2012-11-6	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20121224_20200908_02_T2	2012-12-24	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_137107_20120213_20200909_02_T2	2012-2-13	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_136107_20130224_20200908_02_T2	2013-2-24	Landsat 7
ROOK	Rookery Islands	-67.60	62.51	LE07_L1GT_134108_20130226_20200908_02_T2	2013-2-26	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LT05_L1GS_054116_19841202_20200918_02_T2	1984-12-2	Landsat 5
ROYD	Cape Royds	-77.55	166.16	LT05_L1GS_055115_19841225_20200918_02_T2	1984-12-25	Landsat 5
ROYD	Cape Royds	-77.55	166.16	LT05_L1GS_054116_19861224_20200917_02_T2	1986-12-24	Landsat 5
ROYD	Cape Royds	-77.55	166.16	LT04_L1GS_055115_19881212_20200917_02_T2	1988-12-12	Landsat 4
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_19991218_20200918_02_T2	1999-12-18	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_19991225_20200918_02_T2	1999-12-25	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20000112_20200918_02_T2	2000-1-12	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20000114_20200918_02_T2	2000-1-14	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20011130_20200917_02_T2	2001-11-30	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_052116_20011227_20200917_02_T2	2001-12-27	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20011207_20200917_02_T2	2001-12-7	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_054116_20011209_20200917_02_T2	2001-12-9	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20021117_20200916_02_T2	2002-11-17	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20021119_20200916_02_T2	2002-11-19	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_054116_20021126_20200916_02_T2	2002-11-26	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_20021217_20200916_02_T2	2002-12-17	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20021205_20200916_02_T2	2002-12-5	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20040123_20200915_02_T2	2004-1-23	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_054116_20040201_20200915_02_T2	2004-2-1	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_052116_20040203_20200915_02_T2	2004-2-3	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20050127_20200914_02_T2	2005-1-27	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20050201_20200914_02_T2	2005-2-1	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_20061126_20200913_02_T2	2006-11-26	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_20061228_20200913_02_T2	2006-12-28	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20061230_20200913_02_T2	2006-12-30	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_054116_20061207_20200913_02_T2	2006-12-7	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_052116_20071212_20200913_02_T2	2007-12-12	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_20071215_20200913_02_T2	2007-12-15	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20071219_20200913_02_T2	2007-12-19	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_058115_20071222_20200913_02_T2	2007-12-22	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_052116_20080113_20200913_02_T2	2008-1-13	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20080102_20200913_02_T2	2008-1-2	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20080125_20200912_02_T2	2008-1-25	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_054116_20081110_20200912_02_T2	2008-11-10	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20081117_20200913_02_T2	2008-11-17	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20081119_20200912_02_T2	2008-11-19	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20081124_20200913_02_T2	2008-11-24	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20081108_20200913_02_T2	2008-11-8	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_20081201_20200912_02_T2	2008-12-1	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20081210_20200912_02_T2	2008-12-10	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_20081217_20200912_02_T2	2008-12-17	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20081219_20200912_02_T2	2008-12-19	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20081221_20200912_02_T2	2008-12-21	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20080210_20200912_02_T2	2008-2-10	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20090122_20200912_02_T2	2009-1-22	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20091104_20200911_02_T2	2009-11-4	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20091106_20200911_02_T2	2009-11-6	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20091206_20200911_02_T2	2009-12-6	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_051116_20100111_20200911_02_T2	2010-1-11	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_052116_20100118_20200911_02_T2	2010-1-18	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_20100121_20200911_02_T2	2010-1-21	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20100109_20200911_02_T2	2010-1-9	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_051116_20101111_20200910_02_T2	2010-11-11	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_058115_20101112_20200911_02_T2	2010-11-12	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_052116_20101102_20200910_02_T2	2010-11-2	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_20101121_20200910_02_T2	2010-11-21	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_051116_20101127_20200910_02_T2	2010-11-27	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20101109_20200911_02_T2	2010-11-9	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20101225_20200910_02_T2	2010-12-25	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_20101207_20200910_02_T2	2010-12-7	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20101209_20200910_02_T2	2010-12-9	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_054116_20100201_20200911_02_T2	2010-2-1	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20110117_20200910_02_T2	2011-1-17	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_051116_20111114_20200909_02_T2	2011-11-14	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_058115_20111115_20200909_02_T2	2011-11-15	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20111128_20200909_02_T2	2011-11-28	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20111219_20200909_02_T2	2011-12-19	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20111230_20200909_02_T2	2011-12-30	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_052116_20110206_20200910_02_T2	2011-2-6	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_058115_20120102_20200909_02_T2	2012-1-2	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20120120_20200909_02_T2	2012-1-20	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20120129_20200909_02_T2	2012-1-29	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_055115_20121112_20200908_02_T2	2012-11-12	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20121130_20200908_02_T2	2012-11-30	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_052116_20121107_20200908_02_T2	2012-11-7	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_058115_20120203_20200909_02_T2	2012-2-3	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20130101_20200908_02_T2	2013-1-1	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20130117_20200908_02_T2	2013-1-17	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_058115_20130120_20200908_02_T2	2013-1-20	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_056115_20130122_20200908_02_T2	2013-1-22	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_054116_20130124_20200908_02_T2	2013-1-24	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_057115_20130129_20200908_02_T2	2013-1-29	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_058115_20130104_20200908_02_T2	2013-1-4	Landsat 7
ROYD	Cape Royds	-77.55	166.16	LE07_L1GT_053116_20130202_20200908_02_T2	2013-2-2	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LT05_L1GS_220108_19860218_20200918_02_T2	1986-2-18	Landsat 5
RRRI	Red Rock Ridge	-68.29	-67.17	LT04_L1GS_219108_19881225_20200917_02_T2	1988-12-25	Landsat 4
RRRI	Red Rock Ridge	-68.29	-67.17	LT04_L1GS_219108_19891212_20200916_02_T2	1989-12-12	Landsat 4
RRRI	Red Rock Ridge	-68.29	-67.17	LT04_L1GS_218108_19890220_20200916_02_T2	1989-2-20	Landsat 4
RRRI	Red Rock Ridge	-68.29	-67.17	LT05_L1GS_219108_19910124_20200915_02_T2	1991-1-24	Landsat 5
RRRI	Red Rock Ridge	-68.29	-67.17	LT05_L1GS_219108_19910209_20200915_02_T2	1991-2-9	Landsat 5
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_220108_20010118_20200917_02_T2	2001-1-18	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_219108_20011229_20200917_02_T2	2001-12-29	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_220108_20010219_20200917_02_T2	2001-2-19	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_220108_20020105_20200917_02_T2	2002-1-5	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_218108_20050115_20200915_02_T2	2005-1-15	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_218108_20061220_20200913_02_T2	2006-12-20	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_218108_20080108_20200913_02_T2	2008-1-8	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_219108_20090117_20200912_02_T2	2009-1-17	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_220108_20090124_20200912_02_T2	2009-1-24	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_220108_20091210_20200911_02_T2	2009-12-10	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_218108_20090211_20200912_02_T2	2009-2-11	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_219108_20090202_20200912_02_T2	2009-2-2	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_218108_20101129_20200910_02_T2	2010-11-29	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_220108_20100212_20200911_02_T2	2010-2-12	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_218108_20120103_20200909_02_T2	2012-1-3	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_219108_20121211_20200908_02_T2	2012-12-11	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_218108_20121220_20200908_02_T2	2012-12-20	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_220108_20120218_20200909_02_T2	2012-2-18	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_219108_20130112_20200908_02_T2	2013-1-12	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_220108_20130103_20200908_02_T2	2013-1-3	Landsat 7
RRRI	Red Rock Ridge	-68.29	-67.17	LE07_L1GT_218108_20130105_20200908_02_T2	2013-1-5	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LT04_L1GS_133108_19890217_20200917_02_T2	1989-2-17	Landsat 4
SCUL	Scullin/Murray	-67.78	66.70	LT04_L1GS_133108_19900103_20200916_02_T2	1990-1-3	Landsat 4
SCUL	Scullin/Murray	-67.78	66.70	LT04_L1GS_133108_19900220_20200916_02_T2	1990-2-20	Landsat 4
SCUL	Scullin/Murray	-67.78	66.70	LT05_L1GS_131108_19910116_20200915_02_T2	1991-1-16	Landsat 5
SCUL	Scullin/Murray	-67.78	66.70	LT05_L1GS_131108_19910201_20200915_02_T2	1991-2-1	Landsat 5
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20000131_20200918_02_T2	2000-1-31	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20000223_20200918_02_T2	2000-2-23	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20011124_20200917_02_T2	2001-11-24	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20011126_20200917_02_T2	2001-11-26	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20011203_20200917_02_T2	2001-12-3	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20021120_20200916_02_T2	2002-11-20	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20021129_20200916_02_T2	2002-11-29	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20061124_20200913_02_T2	2006-11-24	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20061201_20200913_02_T2	2006-12-1	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20070125_20200913_02_T2	2007-1-25	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_131108_20071120_20200913_02_T2	2007-11-20	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20071127_20200913_02_T2	2007-11-27	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20071211_20200913_02_T2	2007-12-11	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20071229_20200913_02_T2	2007-12-29	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20080121_20200913_02_T2	2008-1-21	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20080130_20200913_02_T2	2008-1-30	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20080105_20200913_02_T2	2008-1-5	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20081127_20200912_02_T2	2008-11-27	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20081222_20200912_02_T2	2008-12-22	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_131108_20081224_20200912_02_T2	2008-12-24	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20081231_20200912_02_T2	2008-12-31	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20080215_20200912_02_T2	2008-2-15	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_131108_20090125_20200912_02_T2	2009-1-25	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20090107_20200912_02_T2	2009-1-7	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20091114_20200911_02_T2	2009-11-14	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20091116_20200911_02_T2	2009-11-16	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20091130_20200911_02_T2	2009-11-30	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_131108_20091227_20200911_02_T2	2009-12-27	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20090201_20200912_02_T2	2009-2-1	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_131108_20090210_20200912_02_T2	2009-2-10	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20100119_20200911_02_T2	2010-1-19	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20100103_20200911_02_T2	2010-1-3	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20101119_20200910_02_T2	2010-11-19	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_131108_20101128_20200910_02_T2	2010-11-28	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20100211_20200911_02_T2	2010-2-11	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20100202_20200911_02_T2	2010-2-2	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20110120_20200910_02_T2	2011-1-20	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20110129_20200910_02_T2	2011-1-29	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_131108_20110131_20200910_02_T2	2011-1-31	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20111224_20200909_02_T2	2011-12-24	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20111206_20200909_02_T2	2011-12-6	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20111208_20200909_02_T2	2011-12-8	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20110221_20200910_02_T2	2011-2-21	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20120116_20200909_02_T2	2012-1-16	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20120125_20200909_02_T2	2012-1-25	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20121122_20200908_02_T2	2012-11-22	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20121124_20200908_02_T2	2012-11-24	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_134107_20121106_20200908_02_T2	2012-11-6	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20121108_20200908_02_T2	2012-11-8	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20121210_20200908_02_T2	2012-12-10	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20121226_20200908_02_T2	2012-12-26	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_132108_20120210_20200909_02_T2	2012-2-10	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20130219_20200908_02_T2	2013-2-19	Landsat 7
SCUL	Scullin/Murray	-67.78	66.70	LE07_L1GT_133108_20130203_20200908_02_T2	2013-2-3	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LT04_L1GS_145107_19880118_20200917_02_T2	1988-1-18	Landsat 4
SHEE	Sheelagh Islands	-66.55	50.18	LT04_L1GS_143107_19880120_20200917_02_T2	1988-1-20	Landsat 4
SHEE	Sheelagh Islands	-66.55	50.18	LT04_L1GS_143107_19880205_20200917_02_T2	1988-2-5	Landsat 4
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_143107_20011123_20200917_02_T2	2001-11-23	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_145107_20030127_20200916_02_T2	2003-1-27	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_145107_20030228_20200916_02_T2	2003-2-28	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_144107_20061128_20200913_02_T2	2006-11-28	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_145107_20071106_20200913_02_T2	2007-11-6	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_144107_20080118_20200913_02_T2	2008-1-18	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_143107_20080127_20200912_02_T2	2008-1-27	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_143107_20081126_20200912_02_T2	2008-11-26	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_145107_20081226_20200912_02_T2	2008-12-26	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_143107_20081228_20200912_02_T2	2008-12-28	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_144107_20090120_20200912_02_T2	2009-1-20	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_145107_20091229_20200911_02_T2	2009-12-29	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_144107_20111228_20200909_02_T2	2011-12-28	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_144107_20120129_20200909_02_T2	2012-1-29	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_145107_20121119_20200908_02_T2	2012-11-19	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_143107_20121207_20200908_02_T2	2012-12-7	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_144107_20120214_20200909_02_T2	2012-2-14	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_143107_20130225_20200908_02_T2	2013-2-25	Landsat 7
SHEE	Sheelagh Islands	-66.55	50.18	LE07_L1GT_145107_20130207_20200908_02_T2	2013-2-7	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LT04_L1GS_021113_19880214_20200917_02_T2	1988-2-14	Landsat 4
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20000107_20200918_02_T2	2000-1-7	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023112_20000213_20200918_02_T2	2000-2-13	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_022113_20000206_20200918_02_T2	2000-2-6	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20011114_20200917_02_T2	2001-11-14	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20011211_20200917_02_T2	2001-12-11	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_022113_20011225_20200917_02_T2	2001-12-25	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20021219_20200916_02_T2	2002-12-19	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20021221_20200916_02_T2	2002-12-21	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20021230_20200916_02_T2	2002-12-30	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20021205_20200916_02_T2	2002-12-5	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_022113_20030113_20200916_02_T2	2003-1-13	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20040125_20200915_02_T2	2004-1-25	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_022113_20040201_20200915_02_T2	2004-2-1	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20040203_20200915_02_T2	2004-2-3	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20040208_20200915_02_T2	2004-2-8	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20050221_20200914_02_T2	2005-2-21	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_022113_20050203_20200914_02_T2	2005-2-3	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20050205_20200914_02_T2	2005-2-5	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20061128_20200913_02_T2	2006-11-28	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20070117_20200913_02_T2	2007-1-17	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20070202_20200913_02_T2	2007-2-2	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20080102_20200913_02_T2	2008-1-2	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_019113_20081121_20200912_02_T2	2008-11-21	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20081214_20200912_02_T2	2008-12-14	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20081230_20200912_02_T2	2008-12-30	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20080219_20200913_02_T2	2008-2-19	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20090120_20200912_02_T2	2009-1-20	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_022113_20091215_20200911_02_T2	2009-12-15	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20091217_20200911_02_T2	2009-12-17	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20091208_20200911_02_T2	2009-12-8	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20090221_20200912_02_T2	2009-2-21	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20090223_20200912_02_T2	2009-2-23	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_019113_20100111_20200911_02_T2	2010-1-11	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20100123_20200911_02_T2	2010-1-23	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20101118_20200910_02_T2	2010-11-18	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20101109_20200910_02_T2	2010-11-9	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20101220_20200910_02_T2	2010-12-20	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20101225_20200910_02_T2	2010-12-25	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20101227_20200910_02_T2	2010-12-27	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20101209_20200910_02_T2	2010-12-9	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_019113_20100212_20200911_02_T2	2010-2-12	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20110126_20200910_02_T2	2011-1-26	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_019113_20110130_20200910_02_T2	2011-1-30	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20111110_20200909_02_T2	2011-11-10	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20111112_20200909_02_T2	2011-11-12	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_022113_20111103_20200909_02_T2	2011-11-3	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_019113_20111130_20200909_02_T2	2011-11-30	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20111105_20200909_02_T2	2011-11-5	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20111212_20200909_02_T2	2011-12-12	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20111214_20200909_02_T2	2011-12-14	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20111228_20200909_02_T2	2011-12-28	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20110211_20200910_02_T2	2011-2-11	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20110222_20200910_02_T2	2011-2-22	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20110206_20200910_02_T2	2011-2-6	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20120115_20200909_02_T2	2012-1-15	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20120108_20200909_02_T2	2012-1-8	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_020113_20121225_20200908_02_T2	2012-12-25	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_023113_20130131_20200908_02_T2	2013-1-31	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_022113_20130108_20200908_02_T2	2013-1-8	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_021113_20130202_20200908_02_T2	2013-2-2	Landsat 7
SHEI	Shepard Island	-74.38	-132.55	LE07_L1GT_022113_20130209_20200908_02_T2	2013-2-9	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LT04_L1GS_105107_19891112_20200916_02_T2	1989-11-12	Landsat 4
SHLY	Shirley/Beall	-66.28	110.50	LT04_L1GS_104107_19891121_20200916_02_T2	1989-11-21	Landsat 4
SHLY	Shirley/Beall	-66.28	110.50	LT05_L1GS_106106_19910202_20200915_02_T2	1991-2-2	Landsat 5
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_104107_20010122_20200917_02_T2	2001-1-22	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_105107_20011129_20200917_02_T2	2001-11-29	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_104107_20030112_20200916_02_T2	2003-1-12	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_105107_20070114_20200913_02_T2	2007-1-14	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_104107_20071209_20200913_02_T2	2007-12-9	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_104107_20081211_20200912_02_T2	2008-12-11	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_105107_20081218_20200912_02_T2	2008-12-18	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_105107_20090119_20200912_02_T2	2009-1-19	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_105107_20091119_20200911_02_T2	2009-11-19	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_105107_20090204_20200912_02_T2	2009-2-4	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_104107_20110102_20200910_02_T2	2011-1-2	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_105107_20110125_20200910_02_T2	2011-1-25	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_105107_20111125_20200909_02_T2	2011-11-25	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_105107_20111227_20200909_02_T2	2011-12-27	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_105107_20110210_20200910_02_T2	2011-2-10	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_106106_20121220_20200908_02_T2	2012-12-20	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_104107_20130123_20200908_02_T2	2013-1-23	Landsat 7
SHLY	Shirley/Beall	-66.28	110.50	LE07_L1GT_106106_20130206_20200908_02_T2	2013-2-6	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LT05_L1GS_220112_19860218_20200918_02_T2	1986-2-18	Landsat 5
SIMS	Sims Island	-73.27	-78.54	LT05_L1GS_220112_19860202_20200918_02_T2	1986-2-2	Landsat 5
SIMS	Sims Island	-73.27	-78.54	LT04_L1GS_221112_19890124_20200916_02_T2	1989-1-24	Landsat 4
SIMS	Sims Island	-73.27	-78.54	LT04_L1GS_219112_19890126_20200916_02_T2	1989-1-26	Landsat 4
SIMS	Sims Island	-73.27	-78.54	LT04_L1GS_223112_19891224_20200916_02_T2	1989-12-24	Landsat 4
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_220112_20010102_20200917_02_T2	2001-1-2	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_219112_20011127_20200917_02_T2	2001-11-27	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_219112_20030117_20200916_02_T2	2003-1-17	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_223112_20030214_20200916_02_T2	2003-2-14	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_221112_20030216_20200916_02_T2	2003-2-16	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_220112_20030209_20200916_02_T2	2003-2-9	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_223112_20040217_20200915_02_T2	2004-2-17	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_222112_20050111_20200915_02_T2	2005-1-11	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_223112_20050102_20200915_02_T2	2005-1-2	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_219112_20050122_20200915_02_T2	2005-1-22	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_221112_20051222_20200914_02_T2	2005-12-22	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_223112_20050203_20200914_02_T2	2005-2-3	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_221112_20050205_20200914_02_T2	2005-2-5	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_222112_20060114_20200914_02_T2	2006-1-14	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_220112_20060116_20200914_02_T2	2006-1-16	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_222112_20061130_20200913_02_T2	2006-11-30	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_222112_20061216_20200913_02_T2	2006-12-16	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_221112_20061209_20200913_02_T2	2006-12-9	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_220112_20070103_20200913_02_T2	2007-1-3	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_220112_20071119_20200913_02_T2	2007-11-19	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_221112_20071228_20200913_02_T2	2007-12-28	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_221112_20080113_20200913_02_T2	2008-1-13	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_220112_20080122_20200913_02_T2	2008-1-22	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_220112_20080106_20200913_02_T2	2008-1-6	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_222112_20080205_20200912_02_T2	2008-2-5	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_223112_20091129_20200911_02_T2	2009-11-29	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_219112_20091219_20200911_02_T2	2009-12-19	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_220112_20091226_20200911_02_T2	2009-12-26	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_222112_20091208_20200911_02_T2	2009-12-8	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_220112_20100127_20200911_02_T2	2010-1-27	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_222112_20100109_20200911_02_T2	2010-1-9	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_222112_20101227_20200910_02_T2	2010-12-27	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_221112_20100219_20200911_02_T2	2010-2-19	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_221112_20111121_20200909_02_T2	2011-11-21	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_223112_20111103_20200909_02_T2				2011-11-3	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_223112_20110204_20200910_02_T2				2011-2-4	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_221112_20110206_20200910_02_T2				2011-2-6	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_220112_20120117_20200909_02_T2				2012-1-17	Landsat 7
SIMS	Sims Island	-73.27	-78.54	LE07_L1GT_222112_20120131_20200909_02_T2				2012-1-31	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LT04_L1GS_135108_19891114_20200916_02_T2				1989-11-14	Landsat 4
STAN	Stanton Continental Rock	-67.53	61.72	LT04_L1GS_137107_19891128_20200916_02_T2				1989-11-28	Landsat 4
STAN	Stanton Continental Rock	-67.53	61.72	LT04_L1GS_135108_19891216_20200916_02_T2				1989-12-16	Landsat 4
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_135108_20000214_20200918_02_T2				2000-2-14	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20010106_20200917_02_T2				2001-1-6	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20011122_20200917_02_T2				2001-11-22	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_137107_20021116_20200916_02_T2				2002-11-16	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20021125_20200916_02_T2				2002-11-25	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_135108_20021204_20200916_02_T2				2002-12-4	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_135108_20061215_20200913_02_T2				2006-12-15	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_137107_20061229_20200913_02_T2				2006-12-29	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20070107_20200913_02_T2				2007-1-7	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_135108_20071218_20200913_02_T2				2007-12-18	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_137107_20070215_20200913_02_T2				2007-2-15	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_137107_20080101_20200913_02_T2				2008-1-1	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_135108_20080119_20200913_02_T2				2008-1-19	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20080126_20200913_02_T2				2008-1-26	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20080211_20200913_02_T2				2008-2-11	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_135108_20090121_20200912_02_T2				2009-1-21	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_137107_20091119_20200911_02_T2				2009-11-19	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20091230_20200911_02_T2				2009-12-30	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20100131_20200911_02_T2				2010-1-31	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_137107_20101208_20200910_02_T2				2010-12-8	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20100216_20200911_02_T2				2010-2-16	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_135108_20110111_20200910_02_T2				2011-1-11	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_137107_20110109_20200910_02_T2				2011-1-9	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20111102_20200909_02_T2				2011-11-2	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_135108_20111213_20200909_02_T2	2011-12-13	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20111220_20200909_02_T2	2011-12-20	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_137107_20111227_20200909_02_T2	2011-12-27	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_137107_20120112_20200909_02_T2	2012-1-12	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_136107_20121206_20200908_02_T2	2012-12-6	Landsat 7
STAN	Stanton Continental Rock	-67.53	61.72	LE07_L1GT_137107_20130215_20200908_02_T2	2013-2-15	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_060111_19991230_20200918_02_T2	1999-12-30	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_063111_20000120_20200918_02_T2	2000-1-20	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_061111_20011210_20200917_02_T2	2001-12-10	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_062111_20061231_20200913_02_T2	2006-12-31	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_063111_20061206_20200913_02_T2	2006-12-6	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_062111_20070116_20200913_02_T2	2007-1-16	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_061111_20070109_20200913_02_T2	2007-1-9	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_063111_20071123_20200913_02_T2	2007-11-23	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_061111_20071211_20200913_02_T2	2007-12-11	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_063111_20071209_20200913_02_T2	2007-12-9	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_062111_20081118_20200912_02_T2	2008-11-18	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_063111_20081109_20200913_02_T2	2008-11-9	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_060111_20081222_20200912_02_T2	2008-12-22	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_060111_20081206_20200912_02_T2	2008-12-6	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_063111_20090112_20200912_02_T2	2009-1-12	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_062111_20090121_20200912_02_T2	2009-1-21	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_063111_20091128_20200911_02_T2	2009-11-28	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_062111_20091207_20200911_02_T2	2009-12-7	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_062111_20100108_20200911_02_T2	2010-1-8	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_060111_20101110_20200911_02_T2	2010-11-10	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_062111_20101124_20200910_02_T2	2010-11-24	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_063111_20101201_20200910_02_T2	2010-12-1	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_062111_20101210_20200910_02_T2	2010-12-10	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_062111_20101226_20200910_02_T2	2010-12-26	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_061111_20110104_20200910_02_T2	2011-1-4	Landsat 7
SVEN	Sven Foyn Island	-71.96	171.07	LE07_L1GT_060111_20111113_20200909_02_T2	2011-11-13	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
SVEN	Sven Foyrn Island	-71.96	171.07	LE07_L1GT_060111_20111215_20200909_02_T2	2011-12-15	Landsat 7
SVEN	Sven Foyrn Island	-71.96	171.07	LE07_L1GT_063111_20110219_20200910_02_T2	2011-2-19	Landsat 7
SVEN	Sven Foyrn Island	-71.96	171.07	LE07_L1GT_063111_20120105_20200909_02_T2	2012-1-5	Landsat 7
SVEN	Sven Foyrn Island	-71.96	171.07	LE07_L1GT_061111_20120107_20200909_02_T2	2012-1-7	Landsat 7
SVEN	Sven Foyrn Island	-71.96	171.07	LE07_L1GT_062111_20121113_20200908_02_T2	2012-11-13	Landsat 7
SVEN	Sven Foyrn Island	-71.96	171.07	LE07_L1GT_062111_20121129_20200908_02_T2	2012-11-29	Landsat 7
SVEN	Sven Foyrn Island	-71.96	171.07	LE07_L1GT_063111_20121104_20200908_02_T2	2012-11-4	Landsat 7
SVEN	Sven Foyrn Island	-71.96	171.07	LE07_L1GT_061111_20120208_20200909_02_T2	2012-2-8	Landsat 7
SVEN	Sven Foyrn Island	-71.96	171.07	LE07_L1GT_062111_20130116_20200908_02_T2	2013-1-16	Landsat 7
SVEN	Sven Foyrn Island	-71.96	171.07	LE07_L1GT_063111_20130123_20200908_02_T2	2013-1-23	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LT04_L1GS_125109_19891226_20200916_02_T2	1989-12-26	Landsat 4
SVIS	Svenner Islands	-69.03	76.83	LT04_L1GS_124109_19900120_20200916_02_T2	1990-1-20	Landsat 4
SVIS	Svenner Islands	-69.03	76.83	LT04_L1GS_124109_19900104_20200916_02_T2	1990-1-4	Landsat 4
SVIS	Svenner Islands	-69.03	76.83	LT04_L1GS_124109_19900205_20200916_02_T2	1990-2-5	Landsat 4
SVIS	Svenner Islands	-69.03	76.83	LT05_L1GS_124109_19920118_20200914_02_T2	1992-1-18	Landsat 5
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_126108_20000130_20200918_02_T2	2000-1-30	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_124109_20000217_20200918_02_T2	2000-2-17	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20000224_20200918_02_T2	2000-2-24	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_124109_20010118_20200917_02_T2	2001-1-18	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20040203_20200915_02_T2	2004-2-3	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_126108_20051127_20200914_02_T2	2005-11-27	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20050221_20200914_02_T2	2005-2-21	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_126108_20060114_20200914_02_T2	2006-1-14	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_126108_20060130_20200914_02_T2	2006-1-30	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20061123_20200913_02_T2	2006-11-23	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_124109_20061218_20200913_02_T2	2006-12-18	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_124109_20070119_20200913_02_T2	2007-1-19	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20071110_20200913_02_T2	2007-11-10	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20071126_20200913_02_T2	2007-11-26	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20071228_20200913_02_T2	2007-12-28	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_124109_20081223_20200912_02_T2	2008-12-23	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20081230_20200912_02_T2	2008-12-30	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20090131_20200912_02_T2	2009-1-31	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_124109_20091108_20200911_02_T2	2009-11-8	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20091201_20200911_02_T2	2009-12-1	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_124109_20091226_20200911_02_T2	2009-12-26	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20090216_20200912_02_T2	2009-2-16	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20100118_20200911_02_T2	2010-1-18	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20100102_20200911_02_T2	2010-1-2	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20101118_20200910_02_T2	2010-11-18	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20111121_20200909_02_T2	2011-11-21	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20111105_20200909_02_T2	2011-11-5	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_124109_20110215_20200910_02_T2	2011-2-15	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20110222_20200910_02_T2	2011-2-22	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20120124_20200909_02_T2	2012-1-24	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20121123_20200908_02_T2	2012-11-23	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20121107_20200908_02_T2	2012-11-7	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_125109_20121225_20200908_02_T2	2012-12-25	Landsat 7
SVIS	Svenner Islands	-69.03	76.83	LE07_L1GT_124109_20130220_20200908_02_T2	2013-2-20	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LT04_L1GS_215104_19880229_20200917_02_T2	1988-2-29	Landsat 4
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LT04_L1GS_214104_19880206_20200917_02_T2	1988-2-6	Landsat 4
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LT04_L1GS_215104_19900218_20200916_02_T2	1990-2-18	Landsat 4
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_214104_20010108_20200917_02_T2	2001-1-8	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_214104_20011124_20200917_02_T2	2001-11-24	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_215104_20030222_20200916_02_T2	2003-2-22	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_214104_20040202_20200915_02_T2	2004-2-2	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_215104_20040225_20200915_02_T2	2004-2-25	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_215104_20050110_20200915_02_T2	2005-1-10	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_215104_20050211_20200914_02_T2	2005-2-11	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_214104_20060106_20200914_02_T2	2006-1-6	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_215104_20061231_20200913_02_T2	2006-12-31	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_214104_20060223_20200914_02_T2	2006-2-23	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_214104_20070125_20200913_02_T2	2007-1-25	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_215104_20070217_20200913_02_T2				2007-2-17	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_214104_20081229_20200912_02_T2				2008-12-29	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_215104_20081204_20200912_02_T2				2008-12-4	Landsat 7
TAYH	Tay Head (Joinville Island)	-63.35	-55.55	LE07_L1GT_214104_20110205_20200910_02_T2				2011-2-5	Landsat 7
TORG	Torgersen Island	-64.77	-64.07	LT04_L1GS_220105_19890202_20200916_02_T2				1989-2-2	Landsat 4
TORG	Torgersen Island	-64.77	-64.07	LT05_L1GS_219105_19910209_20200915_02_T2				1991-2-9	Landsat 5
TORG	Torgersen Island	-64.77	-64.07	LE07_L1GT_218106_20010221_20200917_02_T2				2001-2-21	Landsat 7
TORG	Torgersen Island	-64.77	-64.07	LE07_L1GT_218106_20070105_20200913_02_T2				2007-1-5	Landsat 7
TORG	Torgersen Island	-64.77	-64.07	LE07_L1GT_219105_20080115_20200913_02_T2				2008-1-15	Landsat 7
TORG	Torgersen Island	-64.77	-64.07	LE07_L1GT_218106_20121220_20200908_02_T2				2012-12-20	Landsat 7
TORG	Torgersen Island	-64.77	-64.07	LE07_L1GT_220105_20130220_20200908_02_T2				2013-2-20	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LT04_L1GS_124108_19900120_20200916_02_T2				1990-1-20	Landsat 4
TRYN	Tryne Islands	-68.38	78.41	LT04_L1GS_124108_19900205_20200916_02_T2				1990-2-5	Landsat 4
TRYN	Tryne Islands	-68.38	78.41	LT05_L1GS_124108_19910216_20200915_02_T2				1991-2-16	Landsat 5
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20000125_20200918_02_T2				2000-1-25	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_126108_20000130_20200918_02_T2				2000-1-30	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20000217_20200918_02_T2				2000-2-17	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20010118_20200917_02_T2				2001-1-18	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20010102_20200917_02_T2				2001-1-2	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20011229_20200917_02_T2				2001-12-29	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20021114_20200916_02_T2				2002-11-14	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20030124_20200916_02_T2				2003-1-24	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20040203_20200915_02_T2				2004-2-3	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20050120_20200915_02_T2				2005-1-20	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20051120_20200914_02_T2				2005-11-20	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_126108_20051127_20200914_02_T2				2005-11-27	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20050221_20200914_02_T2				2005-2-21	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_126108_20060114_20200914_02_T2				2006-1-14	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_126108_20060130_20200914_02_T2				2006-1-30	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20061123_20200913_02_T2				2006-11-23	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20061125_20200913_02_T2				2006-11-25	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20061218_20200913_02_T2				2006-12-18	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20061225_20200913_02_T2	2006-12-25	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20060224_20200914_02_T2	2006-2-24	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20070112_20200913_02_T2	2007-1-12	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20070119_20200913_02_T2	2007-1-19	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20071110_20200913_02_T2	2007-11-10	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20071228_20200913_02_T2	2007-12-28	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20071230_20200913_02_T2	2007-12-30	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20070220_20200913_02_T2	2007-2-20	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20080115_20200913_02_T2	2008-1-15	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20080122_20200913_02_T2	2008-1-22	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20081216_20200912_02_T2	2008-12-16	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20081223_20200912_02_T2	2008-12-23	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20090101_20200912_02_T2	2009-1-1	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20090117_20200912_02_T2	2009-1-17	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20090131_20200912_02_T2	2009-1-31	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20090108_20200912_02_T2	2009-1-8	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20091108_20200911_02_T2	2009-11-8	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20091201_20200911_02_T2	2009-12-1	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20091226_20200911_02_T2	2009-12-26	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20091203_20200911_02_T2	2009-12-3	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20090216_20200912_02_T2	2009-2-16	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20090202_20200912_02_T2	2009-2-2	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20100118_20200911_02_T2	2010-1-18	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20100102_20200911_02_T2	2010-1-2	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20100120_20200911_02_T2	2010-1-20	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20101118_20200911_02_T2	2010-11-18	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20100205_20200911_02_T2	2010-2-5	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20110114_20200910_02_T2	2011-1-14	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20110107_20200910_02_T2	2011-1-7	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20111121_20200909_02_T2	2011-11-21	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20110222_20200910_02_T2	2011-2-22	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier				Date	Satellite
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_125108_20120124_20200909_02_T2				2012-1-24	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20121116_20200908_02_T2				2012-11-16	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_123108_20120211_20200909_02_T2				2012-2-11	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20130119_20200908_02_T2				2013-1-19	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_126108_20130202_20200908_02_T2				2013-2-2	Landsat 7
TRYN	Tryne Islands	-68.38	78.41	LE07_L1GT_124108_20130204_20200908_02_T2				2013-2-4	Landsat 7
TSIS	Three Sisters	-62.08	-57.91	LT04_L1GS_217103_19890128_20201029_02_T2				1989-1-28	Landsat 4
TSIS	Three Sisters	-62.08	-57.91	LE07_L1GT_216104_20121222_20200908_02_T2				2012-12-22	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LT05_L1GS_137107_19910227_20200915_02_T2				1991-2-27	Landsat 5
UFSI	Ufs Island	-67.47	61.14	LT04_L1GS_137107_19920121_20200914_02_T2				1992-1-21	Landsat 4
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_135108_20000214_20200918_02_T2				2000-2-14	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20010106_20200917_02_T2				2001-1-6	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20011122_20200917_02_T2				2001-11-22	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_137107_20021116_20200916_02_T2				2002-11-16	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20021125_20200916_02_T2				2002-11-25	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_135108_20021204_20200916_02_T2				2002-12-4	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_135108_20061215_20200913_02_T2				2006-12-15	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_137107_20061229_20200913_02_T2				2006-12-29	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20061206_20200913_02_T2				2006-12-6	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20070107_20200913_02_T2				2007-1-7	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20071107_20200913_02_T2				2007-11-7	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20070224_20200913_02_T2				2007-2-24	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_135108_20080119_20200913_02_T2				2008-1-19	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20080126_20200913_02_T2				2008-1-26	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_138107_20081225_20200912_02_T2				2008-12-25	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20091128_20200911_02_T2				2009-11-28	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_135108_20100108_20200911_02_T2				2010-1-8	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_137107_20101208_20200910_02_T2				2010-12-8	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_135108_20100225_20200911_02_T2				2010-2-25	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20111220_20200909_02_T2				2011-12-20	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20110219_20200910_02_T2				2011-2-19	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_136107_20110203_20200910_02_T2				2011-2-3	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_135108_20120130_20200909_02_T2	2012-1-30	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_135108_20121231_20200908_02_T2	2012-12-31	Landsat 7
UFSI	Ufs Island	-67.47	61.14	LE07_L1GT_137107_20120213_20200909_02_T2	2012-2-13	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LT04_L1GS_124109_19900120_20200916_02_T2	1990-1-20	Landsat 4
UIP1	Unnnamed Island PE 1	-68.77	77.75	LT05_L1GS_124108_19910216_20200915_02_T2	1991-2-16	Landsat 5
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_126108_20000130_20200918_02_T2	2000-1-30	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124109_20000217_20200918_02_T2	2000-2-17	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124109_20010118_20200917_02_T2	2001-1-18	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20030115_20200916_02_T2	2003-1-15	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124108_20030124_20200916_02_T2	2003-1-24	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20040203_20200915_02_T2	2004-2-3	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20050120_20200915_02_T2	2005-1-20	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_126108_20051127_20200914_02_T2	2005-11-27	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20050221_20200914_02_T2	2005-2-21	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_126108_20060130_20200914_02_T2	2006-1-30	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20061123_20200913_02_T2	2006-11-23	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20060224_20200914_02_T2	2006-2-24	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124109_20070119_20200913_02_T2	2007-1-19	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20071110_20200913_02_T2	2007-11-10	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20071126_20200913_02_T2	2007-11-26	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20071228_20200913_02_T2	2007-12-28	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124109_20080122_20200913_02_T2	2008-1-22	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124109_20081223_20200912_02_T2	2008-12-23	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20090131_20200912_02_T2	2009-1-31	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124109_20090108_20200912_02_T2	2009-1-8	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124109_20091108_20200911_02_T2	2009-11-8	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20091201_20200911_02_T2	2009-12-1	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_123109_20091219_20200911_02_T2	2009-12-19	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124109_20091226_20200911_02_T2	2009-12-26	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_123109_20091203_20200911_02_T2	2009-12-3	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20090216_20200912_02_T2	2009-2-16	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_123109_20090202_20200912_02_T2	2009-2-2	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20100118_20200911_02_T2	2010-1-18	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20100102_20200911_02_T2	2010-1-2	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_123109_20101222_20200910_02_T2	2010-12-22	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_123109_20110107_20200910_02_T2	2011-1-7	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20111121_20200909_02_T2	2011-11-21	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20110222_20200910_02_T2	2011-2-22	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_125108_20120124_20200909_02_T2	2012-1-24	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124109_20130119_20200908_02_T2	2013-1-19	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_126108_20130202_20200908_02_T2	2013-2-2	Landsat 7
UIP1	Unnnamed Island PE 1	-68.77	77.75	LE07_L1GT_124109_20130204_20200908_02_T2	2013-2-4	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LT04_L1GS_125108_19891108_20200916_02_T2	1989-11-8	Landsat 4
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LT04_L1GS_124109_19900120_20200916_02_T2	1990-1-20	Landsat 4
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_126108_20000130_20200918_02_T2	2000-1-30	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20000217_20200918_02_T2	2000-2-17	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20010118_20200917_02_T2	2001-1-18	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20030115_20200916_02_T2	2003-1-15	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124108_20030124_20200916_02_T2	2003-1-24	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20050120_20200915_02_T2	2005-1-20	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_126108_20051127_20200914_02_T2	2005-11-27	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20050221_20200914_02_T2	2005-2-21	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_126108_20060130_20200914_02_T2	2006-1-30	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20061123_20200913_02_T2	2006-11-23	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20061125_20200913_02_T2	2006-11-25	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20061218_20200913_02_T2	2006-12-18	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20060224_20200914_02_T2	2006-2-24	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20070119_20200913_02_T2	2007-1-19	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20071110_20200913_02_T2	2007-11-10	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20071126_20200913_02_T2	2007-11-26	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20071228_20200913_02_T2	2007-12-28	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20071230_20200913_02_T2	2007-12-30	Landsat 7
UIPN	Unnnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20080115_20200913_02_T2	2008-1-15	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20080122_20200913_02_T2	2008-1-22	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20081216_20200912_02_T2	2008-12-16	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20081223_20200912_02_T2	2008-12-23	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20090131_20200912_02_T2	2009-1-31	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20090108_20200912_02_T2	2009-1-8	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20091108_20200911_02_T2	2009-11-8	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20091201_20200911_02_T2	2009-12-1	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20091219_20200911_02_T2	2009-12-19	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20091226_20200911_02_T2	2009-12-26	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20091203_20200911_02_T2	2009-12-3	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20090216_20200912_02_T2	2009-2-16	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20100118_20200911_02_T2	2010-1-18	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20100102_20200911_02_T2	2010-1-2	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20100120_20200911_02_T2	2010-1-20	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20101118_20200911_02_T2	2010-11-18	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20101222_20200910_02_T2	2010-12-22	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20110107_20200910_02_T2	2011-1-7	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20111121_20200909_02_T2	2011-11-21	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20111105_20200909_02_T2	2011-11-5	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20111107_20200909_02_T2	2011-11-7	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20110222_20200910_02_T2	2011-2-22	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_125108_20120124_20200909_02_T2	2012-1-24	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_123109_20120211_20200909_02_T2	2012-2-11	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20130119_20200908_02_T2	2013-1-19	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_126108_20130202_20200908_02_T2	2013-2-2	Landsat 7
UIPN	Unnamed Island PE 2 North	-68.90	77.72	LE07_L1GT_124109_20130204_20200908_02_T2	2013-2-4	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_134107_20000223_20200918_02_T2	2000-2-23	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_136107_20010106_20200917_02_T2	2001-1-6	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_136107_20011122_20200917_02_T2	2001-11-22	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_134107_20021127_20200916_02_T2	2002-11-27	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_135107_20021204_20200916_02_T2	2002-12-4	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_134108_20060122_20200914_02_T2	2006-1-22	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_135107_20061215_20200913_02_T2	2006-12-15	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_135107_20061231_20200913_02_T2	2006-12-31	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_136107_20070107_20200913_02_T2	2007-1-7	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_134107_20070109_20200913_02_T2	2007-1-9	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_136107_20070224_20200913_02_T2	2007-2-24	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_134108_20070226_20200913_02_T2	2007-2-26	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_134108_20080112_20200913_02_T2	2008-1-12	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_135107_20080119_20200913_02_T2	2008-1-19	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_136107_20080126_20200913_02_T2	2008-1-26	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_135107_20080204_20200912_02_T2	2008-2-4	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_135107_20090121_20200912_02_T2	2009-1-21	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_135107_20100108_20200911_02_T2	2010-1-8	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_136107_20100216_20200911_02_T2	2010-2-16	Landsat 7
UNN7	Unnamed 7	-67.45	63.33	LE07_L1GT_135107_20100209_20200911_02_T2	2010-2-9	Landsat 7
VESN	Vestfold North	-68.48	78.10	LT04_L1GS_124108_19900120_20200916_02_T2	1990-1-20	Landsat 4
VESN	Vestfold North	-68.48	78.10	LT04_L1GS_124108_19900205_20200916_02_T2	1990-2-5	Landsat 4
VESN	Vestfold North	-68.48	78.10	LT05_L1GS_124108_19910216_20200915_02_T2	1991-2-16	Landsat 5
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_126108_20000130_20200918_02_T2	2000-1-30	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20000217_20200918_02_T2	2000-2-17	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20010118_20200917_02_T2	2001-1-18	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20030124_20200916_02_T2	2003-1-24	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20040203_20200915_02_T2	2004-2-3	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20051120_20200914_02_T2	2005-11-20	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_126108_20051127_20200914_02_T2	2005-11-27	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20050221_20200914_02_T2	2005-2-21	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_126108_20060130_20200914_02_T2	2006-1-30	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20061123_20200913_02_T2	2006-11-23	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20061218_20200913_02_T2	2006-12-18	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20060224_20200914_02_T2	2006-2-24	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20070119_20200913_02_T2	2007-1-19	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20071110_20200913_02_T2	2007-11-10	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20071126_20200913_02_T2	2007-11-26	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20071228_20200913_02_T2	2007-12-28	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20080122_20200913_02_T2	2008-1-22	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20081223_20200912_02_T2	2008-12-23	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20090131_20200912_02_T2	2009-1-31	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20090108_20200912_02_T2	2009-1-8	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20091108_20200911_02_T2	2009-11-8	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20091201_20200911_02_T2	2009-12-1	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20091226_20200911_02_T2	2009-12-26	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20090216_20200912_02_T2	2009-2-16	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20100118_20200911_02_T2	2010-1-18	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20100102_20200911_02_T2	2010-1-2	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20101118_20200911_02_T2	2010-11-18	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20111121_20200909_02_T2	2011-11-21	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_125108_20110222_20200910_02_T2	2011-2-22	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20130119_20200908_02_T2	2013-1-19	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_126108_20130202_20200908_02_T2	2013-2-2	Landsat 7
VESN	Vestfold North	-68.48	78.10	LE07_L1GT_124108_20130204_20200908_02_T2	2013-2-4	Landsat 7
VESS	Vestfold South	-68.59	77.92	LT04_L1GS_125108_19891108_20200916_02_T2	1989-11-8	Landsat 4
VESS	Vestfold South	-68.59	77.92	LT04_L1GS_124108_19900120_20200916_02_T2	1990-1-20	Landsat 4
VESS	Vestfold South	-68.59	77.92	LT04_L1GS_124108_19900205_20200916_02_T2	1990-2-5	Landsat 4
VESS	Vestfold South	-68.59	77.92	LT05_L1GS_124108_19910216_20200915_02_T2	1991-2-16	Landsat 5
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_126108_20000130_20200918_02_T2	2000-1-30	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20000217_20200918_02_T2	2000-2-17	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20010118_20200917_02_T2	2001-1-18	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20030124_20200916_02_T2	2003-1-24	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20040203_20200915_02_T2	2004-2-3	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20051120_20200914_02_T2	2005-11-20	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_126108_20051127_20200914_02_T2	2005-11-27	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20050221_20200914_02_T2	2005-2-21	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_126108_20060130_20200914_02_T2	2006-1-30	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20061123_20200913_02_T2	2006-11-23	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20061218_20200913_02_T2	2006-12-18	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20060224_20200914_02_T2	2006-2-24	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20070119_20200913_02_T2	2007-1-19	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20071110_20200913_02_T2	2007-11-10	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20071126_20200913_02_T2	2007-11-26	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20071228_20200913_02_T2	2007-12-28	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20080122_20200913_02_T2	2008-1-22	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20081223_20200912_02_T2	2008-12-23	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20090131_20200912_02_T2	2009-1-31	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20090108_20200912_02_T2	2009-1-8	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20091108_20200911_02_T2	2009-11-8	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20091201_20200911_02_T2	2009-12-1	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20091226_20200911_02_T2	2009-12-26	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20090216_20200912_02_T2	2009-2-16	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20100118_20200911_02_T2	2010-1-18	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20100102_20200911_02_T2	2010-1-2	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20101118_20200911_02_T2	2010-11-18	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20111121_20200909_02_T2	2011-11-21	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20111105_20200909_02_T2	2011-11-5	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_125108_20110222_20200910_02_T2	2011-2-22	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20130119_20200908_02_T2	2013-1-19	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_126108_20130202_20200908_02_T2	2013-2-2	Landsat 7
VESS	Vestfold South	-68.59	77.92	LE07_L1GT_124108_20130204_20200908_02_T2	2013-2-4	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LT05_L1GS_217104_19861112_20200917_02_T2	1986-11-12	Landsat 5
VORT	Vortex Island	-63.73	-57.64	LT04_L1GS_215105_19880112_20200917_02_T2	1988-1-12	Landsat 4
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_215105_20000129_20200918_02_T2	2000-1-29	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_216105_20000221_20200918_02_T2	2000-2-21	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_216105_20010106_20200917_02_T2	2001-1-6	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_216105_20011122_20200917_02_T2	2001-11-22	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_215105_20040225_20200915_02_T2	2004-2-25	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_215105_20040209_20200915_02_T2	2004-2-9	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_215105_20051228_20200914_02_T2	2005-12-28	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_215105_20061215_20200913_02_T2	2006-12-15	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_215105_20061231_20200913_02_T2	2006-12-31	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_216105_20060205_20200914_02_T2	2006-2-5	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_216105_20070123_20200913_02_T2	2007-1-23	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_215105_20080103_20200913_02_T2	2008-1-3	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_216105_20090112_20200912_02_T2	2009-1-12	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_217104_20090220_20200912_02_T2	2009-2-20	Landsat 7
VORT	Vortex Island	-63.73	-57.64	LE07_L1GT_215105_20110127_20200910_02_T2	2011-1-27	Landsat 7
WAIT	Cape Waites	-72.71	-103.45	LT05_L1GS_003112_19970131_20200910_02_T2	1997-1-31	Landsat 5
WAIT	Cape Waites	-72.71	-103.45	LT05_L1GS_004112_19970207_20200910_02_T2	1997-2-7	Landsat 5
WAIT	Cape Waites	-72.71	-103.45	LE07_L1GT_006111_20030113_20200916_02_T2	2003-1-13	Landsat 7
WAIT	Cape Waites	-72.71	-103.45	LE07_L1GT_003112_20030124_20200916_02_T2	2003-1-24	Landsat 7
WAIT	Cape Waites	-72.71	-103.45	LE07_L1GT_003112_20100111_20200911_02_T2	2010-1-11	Landsat 7
WAIT	Cape Waites	-72.71	-103.45	LE07_L1GT_005111_20100210_20200911_02_T2	2010-2-10	Landsat 7
WAIT	Cape Waites	-72.71	-103.45	LE07_L1GT_005111_20110112_20200910_02_T2	2011-1-12	Landsat 7
WAIT	Cape Waites	-72.71	-103.45	LE07_L1GT_005111_20130202_20200908_02_T2	2013-2-2	Landsat 7
WAIT	Cape Waites	-72.71	-103.45	LE07_L1GT_003112_20130204_20200908_02_T2	2013-2-4	Landsat 7
WATT	Watt Bay	-66.99	144.29	LT05_L1GS_082107_19890102_20200916_02_T2	1989-1-2	Landsat 5
WATT	Watt Bay	-66.99	144.29	LT04_L1GS_084107_19900111_20200916_02_T2	1990-1-11	Landsat 4
WATT	Watt Bay	-66.99	144.29	LT04_L1GS_084107_19900127_20200916_02_T2	1990-1-27	Landsat 4
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_084107_20000123_20200918_02_T2	2000-1-23	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20000125_20200918_02_T2	2000-1-25	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20011213_20200917_02_T2	2001-12-13	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_084107_20011227_20200917_02_T2	2001-12-27	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20030202_20200916_02_T2	2003-2-2	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20040127_20200915_02_T2	2004-1-27	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20040228_20200915_02_T2	2004-2-28	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20061211_20200913_02_T2	2006-12-11	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20061218_20200913_02_T2	2006-12-18	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20061202_20200913_02_T2	2006-12-2	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_084107_20061225_20200913_02_T2	2006-12-25	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20061227_20200913_02_T2	2006-12-27	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20070112_20200913_02_T2	2007-1-12	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20070103_20200913_02_T2	2007-1-3	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20071128_20200913_02_T2	2007-11-28	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20071214_20200913_02_T2	2007-12-14	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20071205_20200913_02_T2	2007-12-5	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20081223_20200912_02_T2	2008-12-23	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_084107_20091115_20200911_02_T2	2009-11-15	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20091117_20200911_02_T2	2009-11-17	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20091219_20200911_02_T2	2009-12-19	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20091203_20200911_02_T2	2009-12-3	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_084107_20100102_20200911_02_T2	2010-1-2	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20100104_20200911_02_T2	2010-1-4	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20101213_20200910_02_T2	2010-12-13	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20101229_20200910_02_T2	2010-12-29	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20100228_20200911_02_T2	2010-2-28	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_084107_20100203_20200911_02_T2	2010-2-3	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20110114_20200910_02_T2	2011-1-14	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_084107_20110105_20200910_02_T2	2011-1-5	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20111216_20200909_02_T2	2011-12-16	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_084107_20110222_20200910_02_T2	2011-2-22	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20110208_20200910_02_T2	2011-2-8	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_083107_20120202_20200909_02_T2	2012-2-2	Landsat 7
WATT	Watt Bay	-66.99	144.29	LE07_L1GT_082107_20130128_20200908_02_T2	2013-1-28	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LT04_L1GS_084107_19900111_20200916_02_T2	1990-1-11	Landsat 4
WAYA	Way Archipelago	-66.86	143.59	LT04_L1GS_084107_19900127_20200916_02_T2	1990-1-27	Landsat 4
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_085107_19991229_20200918_02_T2	1999-12-29	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_084107_20000123_20200918_02_T2	2000-1-23	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_084107_20011227_20200917_02_T2	2001-12-27	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_084107_20021214_20200916_02_T2	2002-12-14	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_083107_20040127_20200915_02_T2	2004-1-27	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_083107_20040228_20200915_02_T2	2004-2-28	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_084107_20061225_20200913_02_T2	2006-12-25	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_082107_20071214_20200913_02_T2	2007-12-14	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_083107_20071205_20200913_02_T2	2007-12-5	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_084107_20070211_20200913_02_T2	2007-2-11	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_083107_20081223_20200912_02_T2	2008-12-23	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_084107_20091115_20200911_02_T2	2009-11-15	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_082107_20091117_20200911_02_T2	2009-11-17	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_085107_20091224_20200911_02_T2	2009-12-24	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_083107_20090209_20200912_02_T2	2009-2-9	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_084107_20100102_20200911_02_T2	2010-1-2	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_083107_20101213_20200910_02_T2	2010-12-13	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_083107_20101229_20200910_02_T2	2010-12-29	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_084107_20100203_20200911_02_T2	2010-2-3	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_083107_20110114_20200910_02_T2	2011-1-14	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_084107_20110105_20200910_02_T2	2011-1-5	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_084107_20110222_20200910_02_T2	2011-2-22	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_085107_20120131_20200909_02_T2	2012-1-31	Landsat 7
WAYA	Way Archipelago	-66.86	143.59	LE07_L1GT_083107_20120202_20200909_02_T2	2012-2-2	Landsat 7
WEDD	Weddell Island	-60.64	-44.85	LE07_L1GT_210102_20000126_20200918_02_T2	2000-1-26	Landsat 7
WEDD	Weddell Island	-60.64	-44.85	LE07_L1GT_209102_20020209_20200916_02_T2	2002-2-9	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LT05_L1GS_106106_19910202_20200915_02_T2	1991-2-2	Landsat 5
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_104107_20010122_20200917_02_T2	2001-1-22	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_105107_20011129_20200917_02_T2	2001-11-29	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_104107_20030112_20200916_02_T2	2003-1-12	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_105107_20070114_20200913_02_T2	2007-1-14	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_104107_20071209_20200913_02_T2	2007-12-9	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_104107_20081211_20200912_02_T2	2008-12-11	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_105107_20081218_20200912_02_T2	2008-12-18	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_105107_20090119_20200912_02_T2	2009-1-19	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_105107_20091119_20200911_02_T2	2009-11-19	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_105107_20090204_20200912_02_T2	2009-2-4	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_104107_20110102_20200910_02_T2	2011-1-2	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_105107_20110125_20200910_02_T2	2011-1-25	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_105107_20111125_20200909_02_T2	2011-11-25	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_105107_20111227_20200909_02_T2	2011-12-27	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_105107_20110210_20200910_02_T2	2011-2-10	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_106106_20121220_20200908_02_T2	2012-12-20	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_104107_20130123_20200908_02_T2	2013-1-23	Landsat 7
WHTY	Blakeney/Whitney	-66.25	110.56	LE07_L1GT_106106_20130206_20200908_02_T2	2013-2-6	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LT04_L1GS_024112_19881219_20200917_02_T2	1988-12-19	Landsat 4
WOPT	Worley Point	-74.41	-132.78	LT04_L1GS_021113_19880214_20200917_02_T2	1988-2-14	Landsat 4
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_19991229_20200918_02_T2	1999-12-29	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20000114_20200918_02_T2	2000-1-14	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_020113_20000107_20200918_02_T2	2000-1-7	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20000213_20200918_02_T2	2000-2-13	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_024112_20000220_20200918_02_T2	2000-2-20	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_022113_20000206_20200918_02_T2	2000-2-6	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_020113_20011211_20200917_02_T2	2001-12-11	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_022113_20011225_20200917_02_T2	2001-12-25	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20021219_20200916_02_T2	2002-12-19	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20021221_20200916_02_T2	2002-12-21	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_020113_20021230_20200916_02_T2	2002-12-30	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20021205_20200916_02_T2	2002-12-5	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_022113_20030113_20200916_02_T2	2003-1-13	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20040125_20200915_02_T2	2004-1-25	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_020113_20040203_20200915_02_T2	2004-2-3	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20040208_20200915_02_T2	2004-2-8	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_020113_20050221_20200914_02_T2	2005-2-21	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_022113_20050203_20200914_02_T2	2005-2-3	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20061128_20200913_02_T2	2006-11-28	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20070117_20200913_02_T2	2007-1-17	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20070202_20200913_02_T2	2007-2-2	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20080219_20200913_02_T2	2008-2-19	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20090120_20200912_02_T2	2009-1-20	Landsat 7

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_022113_20091215_20200911_02_T2	2009-12-15	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20090221_20200912_02_T2	2009-2-21	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20090223_20200912_02_T2	2009-2-23	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20100123_20200911_02_T2	2010-1-23	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20100107_20200911_02_T2	2010-1-7	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_020113_20101118_20200910_02_T2	2010-11-18	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20101109_20200910_02_T2	2010-11-9	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20101211_20200910_02_T2	2010-12-11	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20101225_20200910_02_T2	2010-12-25	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20101227_20200910_02_T2	2010-12-27	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20101209_20200910_02_T2	2010-12-9	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20110126_20200910_02_T2	2011-1-26	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20111110_20200909_02_T2	2011-11-10	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20111112_20200909_02_T2	2011-11-12	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_022113_20111103_20200909_02_T2	2011-11-3	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_020113_20111105_20200909_02_T2	2011-11-5	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20111212_20200909_02_T2	2011-12-12	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20111214_20200909_02_T2	2011-12-14	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20111228_20200909_02_T2	2011-12-28	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_020113_20110222_20200910_02_T2	2011-2-22	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20120115_20200909_02_T2	2012-1-15	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_020113_20120108_20200909_02_T2	2012-1-8	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_023113_20121214_20200908_02_T2	2012-12-14	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_020113_20121225_20200908_02_T2	2012-12-25	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_022113_20120207_20200909_02_T2	2012-2-7	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20130117_20200908_02_T2	2013-1-17	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_022113_20130108_20200908_02_T2	2013-1-8	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_021113_20130202_20200908_02_T2	2013-2-2	Landsat 7
WOPT	Worley Point	-74.41	-132.78	LE07_L1GT_022113_20130209_20200908_02_T2	2013-2-9	Landsat 7
WTAY	West of Tay Head	-63.33	-55.64	LT04_L1GS_215104_19880229_20200917_02_T2	1988-2-29	Landsat 4
WTAY	West of Tay Head	-63.33	-55.64	LT04_L1GS_214104_19880206_20200917_02_T2	1988-2-6	Landsat 4

Supplementary Table 2: Site, location, Landsat Product Identified, date of imagery collection, and associated satellite for all Landsat satellite imagery used in this study. (continued)

Site ID	Site Name	Latitude	Longitude	Landsat Product Identifier	Date	Satellite
WTAY	West of Tay Head	-63.33	-55.64	LT04_L1GS_215104_19900218_20200916_02_T2	1990-2-18	Landsat 4
WTAY	West of Tay Head	-63.33	-55.64	LE07_L1GT_215104_20000129_20200918_02_T2	2000-1-29	Landsat 7
WTAY	West of Tay Head	-63.33	-55.64	LE07_L1GT_214104_20000223_20200918_02_T2	2000-2-23	Landsat 7
WTAY	West of Tay Head	-63.33	-55.64	LE07_L1GT_214104_20010108_20200917_02_T2	2001-1-8	Landsat 7
WTAY	West of Tay Head	-63.33	-55.64	LE07_L1GT_214104_20021229_20200916_02_T2	2002-12-29	Landsat 7
WTAY	West of Tay Head	-63.33	-55.64	LE07_L1GT_215104_20030222_20200916_02_T2	2003-2-22	Landsat 7
WTAY	West of Tay Head	-63.33	-55.64	LE07_L1GT_214104_20040202_20200915_02_T2	2004-2-2	Landsat 7
WTAY	West of Tay Head	-63.33	-55.64	LE07_L1GT_215104_20061231_20200913_02_T2	2006-12-31	Landsat 7
WTAY	West of Tay Head	-63.33	-55.64	LE07_L1GT_214104_20060223_20200914_02_T2	2006-2-23	Landsat 7
WTAY	West of Tay Head	-63.33	-55.64	LE07_L1GT_214104_20110205_20200910_02_T2	2011-2-5	Landsat 7
YALO	Yalour Islands	-65.24	-64.16	LE07_L1GT_220106_20010219_20200917_02_T2	2001-2-19	Landsat 7
YALO	Yalour Islands	-65.24	-64.16	LE07_L1GT_218106_20010221_20200917_02_T2	2001-2-21	Landsat 7