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A thesis submitted in partial fulfillment of the requirements for the degree of

MASTER OF ARTS IN ANTHROPOLOGY

WASHINGTON STATE UNIVERSITY
Department of Anthropology
MAY 2010

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## ACKNOWLEDGEMENTS

I would like to express my sincere appreciation to Dave Conca and Paul Gleeson at Olympic National Park for both the moral and financial support to help complete this thesis. Without their help, this thesis was truly not possible. I thank my committee members for their support and feedback during the writing process. Craig Skinner at Northwest Research Obsidian Studies Laboratory deserves much thanks for his generosity in allowing me to analyze a greater geologic sample than I could have afforded. I thank George Bishop for letting me XRF his Clovis point and hand delivering it to the lab. I would also like to express gratitude to my friends, in and out of school, who have helped me keep my sanity over the last few years including Jen Ferris, Tim Barela, Jayna Page-Osterholtz, Kari Kelly, Ashley Hallock, Diane Wallman as well as office-mates German Loffler and Mark Hill. And it goes without saying that my biggest supporters have always been my parents - Thanks Mom and Dad!!

# LITHIC RAW MATERIAL PROCUREMENT AND THE TECHNOLOGICAL ORGANIZATION OF OLYMPIC PENINSULA PEOPLES 


#### Abstract

by Kimberly Catherine Kwarsick, M.A. Washington State University May 2010

Chair: William Andrefsky, Jr. While the Olympic Peninsula's littoral zone has a long, rich history of archaeological research, it wasn't until the 1980s that survey expanded into the mountainous interior. Today, over $75 \%$ of all recorded sites lie deep in the Olympic Peninsula's interior, yet exceptionally little is known about their role in prehistory. As archaeologists move out of the identification phase, what has become abundantly clear is the overwhelming dominance of a single lithic raw material type, dacite, which has been argued to be an exotic raw material transported by human agents. This thesis will present a combination of evidence derived from x-ray florescence (XRF) as well as lithic technological organization to show that the prehistoric peoples of the Olympic Peninsula procured dacite from a local secondary source.

As was suggested by previous archaeologists, it is first hypothesized that the favored toolstone, dacite, is available to collect from glacial deposits on the northern Olympic Peninsula.


Cobbles from glacial deposits are characterized through XRF and the results are compared against archaeological specimens to show that favored raw material type, Watts Point dacite, can be derived from a secondary local source. In addition, while radiocarbon dates from lithic scatters are scarce, XRF results from a Clovis point show that the same Watts Point dacite material was used for the last 12,000 years.

A study of the lithic technological organization shows that the prehistoric stone tool makers did not necessarily conserve the use of Watts Point dacite, a practice that would occur if the raw material had been procured from its primary source in British Columbia. Indicators of increasing intensity of use including amount of dorsal cortex, dorsal flake count, and artifact size showed little to no changes when comparing sites where the raw material is available at hand versus those where travel was necessary to collect. Artifact attributes were analyzed in order to gain insight into the type of objective piece carried on the stone tool maker. Research from this thesis helps to create a foundation for further, more detailed, raw material characterization studies on the Olympic Peninsula and on the greater Northwest Coast.

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## CHAPTER ONE

## INTRODUCTION AND SETTING

### 1.1 Introduction to Research

While the focus of archaeological research on the Olympic Peninsula has largely centered on its littoral zone, few studies have focused on the numerous lithic scatters of the interior uplands. With few exceptions (e.g. Morgan et al. 1999), relatively little is known about these site types due to their remote location and ephemeral nature. This thesis will explore the character of these lithic scatters which are overwhelming dominated by a single raw material type - dacite. It is hypothesized that the raw material used for stone tool manufacture, dacite, was procured from local, secondarily deposited sources on the Olympic Peninsula. Both x-ray florescence (XRF) (Chapter 4) and lithic analysis (Chapter 5) act as independent avenues to test this hypothesis. Analysis begins by investigating where the predominant toolstone was procured from. Once this is determined, similarly positioned sites are grouped in order to see if differences exist in artifact sizes, objective pieces, places of manufacture, intensity of use, and tool formality. Results from these analyses provide a basis to infer where dacite was procured from.

The following two chapters (2 and 3) present the archaeological context to aid in the understanding of the studied collections and the ideas that help formulate hypotheses. Chapter 2 discusses the metadata used to categorize the raw archaeological data which are presented at the end of the chapter. Included in this presentation is a review of raw material, debitage, tools and metric dimensions of 2,200 artifacts from 91 lithic scatters. Chapter 3 discusses concepts that
frame analysis in subsequent chapters including distance decay, lithic technological organization, and human behavioral ecology.

The first research question addressed focuses on the raw material that dominates an overwhelming majority of lithic scatters on the Peninsula. Dacite, a fine-grained volcanic rock often mistaken for basalt, is found in nearly every Olympic Peninsula archaeological site yet its place of procurement is still under debate. Controversy exists as to whether cobbles of the raw material were obtained by human agents at its primary outcrop at the Watts Point volcanic center, B.C., and brought to the Olympic Peninsula, or whether it could be found in large enough quantities to qualify as a secondary source in the local glacial deposits on the Peninsula. Chapter 4 will discuss the research and debate surrounding the Watts Point source and then elaborate on prior raw material characterization studies to determine if Watts Point dacite occurs in the studied collection, if the same material is available locally, and if Watts Point dacite is unique when compared to other dacites from the same volcanic arc.

Building from these foundations, research questions concerning how people interacted with their surroundings can be more focused once the availability of raw material is understood. Chapter 5 begins with the creation of two proxy measures which group sites differently based on the relative effort it would take to reach a site from where raw material is potentially available. Subsequent analyses use these proxy measures to compare and contrast groups to see if prehistoric peoples used raw materials differently at sites that require more effort to get to. It is hypothesized that analyses will show increased reduction intensity, increased tool formality, smaller size, and less shatter as distance from site to procurement location increases. Discussion will follow pertaining to these results and hypotheses shall be assessed. The final chapter
summarizes the findings as well as continues with a discussion of the relevance of this study outside of the Olympic Peninsula.

The remainder of this chapter frames the physical and cultural setting of the Olympic Peninsula to situate the archaeological data in proper spatial and temporal context.

### 1.2 Physical Setting

The Olympic Peninsula is located in the west-northwestern most portion of Washington State and includes approximately 6,000 square miles of land. It is bounded by salt waters on three sides with the Pacific Ocean on the west, the Strait of Juan de Fuca to the north, and Puget Sound to the east (Figure 1-1). The Peninsula is known for its diverse ecosystems including subalpine, montane and lowland forests, subalpine and alpine meadows and ocean shorelines. The Peninsula is also known for its reduced mammalian species diversity and high degree of endemism including the Roosevelt Elk (Cervus canadensis roosevelti), Olympic Marmot (Marmota olympus), and Piper's bellflower (Campanula piperi), strongly influenced by the Peninsula's isolation during the last ice age (Houston et al. 1994). The Olympic Mountains are a circular and isolated range of mountains centered on the Olympic Peninsula with radial river valleys draining from several large peaks including its highest, Mount Olympus, at 7,995 ft $(2,437 \mathrm{~m})$. Interconnected ridgelines paralleling these drainages tend to run from the edge of the coastal plains upwards to subalpine parklands.

The Olympic Peninsula is largely composed of sedimentary and volcanic rocks that were structurally deformed and subjected to low degrees of metamorphism (Fay et al. 2009). These rocks were deposited in marine environments and are largely alternating beds of silt and


Figure 1-1 Location of Olympic Peninsula in the Northwest coast.
sandstones. These fine deposits are interpreted as being from the slow accumulation of deposits along a submarine fan. Occasional coarse deposits are the result of submarine landslides and debris flows that created chaotic bedding, coarse-grained sandstones, and conglomerates. Volcanic rocks present on the Peninsula are predominantly tholeiitic basalts that erupted at fissures along the sea floor. At several localities, basalt erupted into the marine waters creating outcrops of billow basalt. The Olympic Peninsula is believed to have been formed when the marine deposits of the Juan de Fuca plate accreted at the subduction zone with the North American plate. These accreted marine deposits created a large horseshoe fold which rose to the top of the heavier surrounding rocks and created the Olympic Mountains. This giant horseshoe fold occupies most of the Olympic Peninsula.

The surficial landscape of the Olympic Peninsula was largely shaped by glacial scouring during the Fraser glaciation that began in British Columbia around 29,000 years B.P. (Clague and James 2002). By 22,500 B.P. the Cordilleran ice sheet had reached the vicinity of Victoria, B.C. (Clague et al. 1980). When the advancing ice sheet hit the northeast corner of the Olympic Mountains it split in two lobes: the Puget lobe, which is responsible for the current topography of the Puget Sound, and the Juan de Fuca lobe, which headed westward and scoured the Strait of Juan de Fuca. During the expansion of the ice sheet, the north and east flowing rivers of the Olympic Peninsula were dammed forming large glacial lakes in the river valleys. Evidence of these glacial lakes, such as large perched delta deposits, can be found throughout the Olympic Peninsula (Smith 2006). The Juan de Fuca lobe reached its terminus at the continental shelf near Cape Flattery around 14,500 B.P. (Heusser 1973). The Puget lobe grew to its maximum south of Olympia by 14,150 B.P. and retreated to the Seattle area by 13,600 B.P. (Porter and Swanson 1998). The two lobes retreated into just one lobe shortly afterwards and by 10,000 B.P. the

Fraser glaciation had all but ended leaving behind massive glacial till, drift and outwash deposits throughout northwestern Washington.

Post-glacial sea levels were radically affected by the retreat of the massive glaciers and the addition of melt water to the ocean. Following initial deglaciation approximately 14,500 years ago, isostatically depressed land in the vicinity of the northern Olympic Peninsula created higher than modern relative sea levels at about 164 feet (50m) above that of today (Dethier et al. 1995; Mosher and Hewitt 2004). With eustatic rebound slow, isostatic rebound of the land gradually lowered the relative level of the ocean and by 9,900 B.P. sea levels were significantly lower at 180 feet (55m) below the modern level (Mosher and Hewitt 2004). After reaching this all time low, eustatic sea levels again began to rise as the rate of isostatic rebound declined until 5,500 B.P. when sea levels reached near modern levels (Mosher and Hewitt 2004). Since this time, eustatic sea level has continued to rise at a very slow rate and is approximately 8 feet ( 2.5 m) above that of the middle Holocene (Mosher and Hewitt 2004)

The barren landscapes covered in snow, alpine and continental glaciers slowly began to restore themselves with flora as the land was exposed. In northwest Washington, species such as lodgepole pine, bracken fern, and red alder were the initial dominant species followed by Douglas fir a few centuries later (Barnosky et al. 1987). A warm and dry period between 10,500 and 7,000 B.P. saw the persistence of Douglas fir and led the way for the increase in grasses, oak and hazel (Barnosky et al. 1987). A moist and cool period after 7,000 B.P. allowed for the growth of cedar and hemlock which established themselves as the dominant species by 5,000 B.P. Significant vegetation changes were reduced after 5,000 B.P. with only a modest warming between 2,400 and 1,200 B.P. which likely increased forest fire frequencies (Lepofsky et al. 2005).

In today's modern environment, four vegetation zones are recognized on the Olympic Peninsula (Franklin and Dyrness 1973). Like many western Washington forests, the Olympic Peninsula is dominated by the wet, mild, maritime climate of the Tsuga heterophylla Zone which contains a mixture of Douglas fir (Pseudotsuga menziesii), Western hemlock (Tsuga heterophylla), and Western red cedar (Thuja plicata). Extending around the coastal margins of the Peninsula is the Picea sitchensis Zone, the most uniformly wet and mild of the four zones. It is predominantly composed of three species: Sitka spruce (Picea sitchensis), Western hemlock (Tsuga heterophylla), and Western red cedar (Thuja plicata). The Abies amabilis Zone lies just under the subalpine and has a highly variable composition due to local influences. Most often this zone contains Pacific silver fir (Abies amabilis), Western hemlock (Tsuga heterophylla), and Noble Fir (Abies procera). Lastly, the Tsuga mertensiana Zone is the highest forested zone ranging in elevation from 4,000 to 5,500 feet. These forests largely contain Subalpine fir (Abies lasiocarpa) and Mountain hemlock (Tsuga mertensiana) which are controlled by the accumulation and duration of snow on the landscape.

While known for being one of the wettest places in Washington State, the Olympic Peninsula actually has quite of range of moisture and temperature. Most of the precipitation falls between October and May, however the prevailing northeasterly winds push the moisture-laden air up against the mountains creating a rain shadow effect on the lee side. The southwestern central Peninsula receives upwards of 200 inches of rain annually, while in the heart of the rain shadow, the city of Sequim receives only 15 inches. Precipitation below 2,500 feet in elevation generally falls as rain with snow infrequent in winter. In the highest of elevations, snow pack persists from November through May, helping to maintain the Peninsula's 266 glaciers. Modern temperatures on the Peninsula are relatively mild with summer highs in the 60 s to 70 s and winter
highs in the 30s to 40s. The high levels of precipitation, combined with elevations that vary from sea level to glaciers, creates a huge diversity in landscapes and resources within a condensed area (Houston et al. 1994).

While species diversity is relatively low, the Olympic Mountains' vast habitat still houses numerous animal species. The Roosevelt elk, for which Olympic National Park was founded, is the largest and most abundant ungulate on the Peninsula. Migratory bands of both elk and blacktailed deer move into the mountains to browse and graze in the meadows during the summer months while the non-migratory bands remain in the lower elevations year round (Schwartz and Mitchell 1945). While less abundant, other large mammals of the Peninsula include both black bear and cougar. A variety of smaller animals are less noticeable but are none the less fairly common which include, but are limited to, wolf, coyote, bobcat, beaver, marmot, rabbit, squirrel, raccoon, grouse, duck, goose, loon, and cormorants.

Salt water and fresh water aquatic environments contain high biological diversity in the form of sea mammals, fish, and invertebrates. The Olympic Peninsula is known to have prehistorically supported runs of all five pacific salmon species as well as steelhead. Other fish such as herring, perch, rockfish, greenling, Pacific cod, lingcod, sole, and halibut can also be found in the Pacific waters. Shellfish, and other invertebrates, are extremely common in the intertidal areas of the Peninsula. Common species include basket cockle, bay mussel, little neck clam, butter clam, and horse clam. Sea mammals, both migratory and resident, include Gray whales, Killer whales, Harbor seals, Sea otters, Northern fur seals, Steller sea lions, and California sea lions, amongst others (see Samuels 1994 for a summary).

Little direct evidence exists to suggest how the Olympic Peninsula fauna has changed since the late Pleistocene. Like other low latitude post-glacial settings, the Olympic Peninsula is
thought to have been inhabited by a high diversity of species with large body masses (Geist 1978). Mastodon, bison, and caribou are identified in archaeological deposits dating to the late Pleistocene at the Manis Mastodon site near Sequim, WA (Gustafson et al. 1979) and mastodon bones are frequently found eroding from beach cliffs in the northeastern Peninsula. While the presence of these species has been substantiated, other later Pleistocene megafauna have not. It is reasonable to infer that as with other landscapes in western Washington, species such as camel, ground sloth, musk ox, moose, and short-faced bear were likely present on the Olympic Peninsula at this time (Schalk 1988).

### 1.3 Cultural Setting

The Northwest Coast culture area refers to the area from the northern California coast to Yakutat Bay along the Alaskan panhandle (Ames and Maschner 1999; Kroeber 1939; Matson and Coupland 1995; Wissler 1914). The Olympic Peninsula lies in the center of this culture area and was home to people of six separate ethno-linguistic groups most of which are Salishan: Central Coast Salish, Southern Coast Salish, Makah, Quileute, Chemakum, and Southwestern Coast Salish (Ames and Maschner 1999). Although separated by 100 miles, both the Quileute and Chemakum originate from the same distinct language family, the Chemakum, and are unrelated to both the Makah and Salish groups (Elmendorf 1990, McMillian 2003; Jay Powell personal communication; Swadesh 1955; Wray 1997). It has been suggested that the Chemakum/Quileute group once inhabited the entire Olympic Peninsula prior to the Salish, and later Makah, migrations to the area (Elmendorf 1990; Wray 1997). The Makah, also linguistically distinct, are the southernmost immigrants of the Wakashan people who are primarily located on northwestern Vancouver Island and the central British Columbian coast
(McMillian 2003). While the timing of initial occupation of both Salish and Chemakum on the Olympic Peninsula are unknown, it is estimated that the Makah began inhabiting the area approximately 1,000 years ago (Jacobsen 1979).

The prehistoric chronology of the Olympic Peninsula is poorly understood in terms of its own, independently derived, timeline. Due to this, archaeologists have largely relied upon interpretations of more thorough and complete investigations in both the Gulf of Georgia and the Puget Sound. Because the Peninsula is said to have had closer alliances with the Gulf of Georgia than with the Puget Sound (Matson and Coupland 1995; Morgan et al. 1999; Schalk 1988) the

Table 1-1 Various Cultural Sequences Used for the Olympic Peninsula.

| Present $1,000$ | Gulf of Georgia 1,200 | Late Prehistoric 3,000-200 | Late Prehistoric Northwest Coast Pattern 1,000-200 |
| :---: | :---: | :---: | :---: |
| 2,000 | Marpole 2,400-1,200 |  | Late Prehistoric, Early Maritime 3,000-1,000 |
| 3,000 | Locarno Beach 3,500-2,400 |  |  |
| 4,000 | St. Mungo 4,500-3,500 | Old Cordilleran, Late Old Cordilleran 6,000-3,000 | Middle Prehistoric$6,000-3,000$ |
| 5,000 | Old Cordilleran, Olcott 10,000-4,500 |  |  |
| 6,000 |  |  |  |
| 7,000 |  | Old Cordilleran, Early Old Cordilleran 10,000-6,000 | Early Prehistoric$12,000-6,000$ |
| 8,000 |  |  |  |
| 9,000 |  |  |  |
| 10,000 |  |  |  |
| 11,000 | Pebble Tool Tradition > 10,000 | Paleo Indian > 10,000 |  |
| 12,000 |  |  |  |
| Years B.P. |  |  |  |

prehistory of the Olympic Peninsula will primarily be discussed in terms of what is known about the Gulf of Georgia (Table 1-1). Having said this, the Olympic Peninsula is a spatial outlier of both of the Gulf of Georgia and the Puget Sound so it should be expected that with increasing data, the emerging story of this area will prove to be unique. Extremely few dates are associated with the lithic scatters used for analysis (see Appendix A) so, assuming that the sites could represent any of the time periods, a review of prehistoric land use as a whole will be examined.

At the time of contact, the groups of Native Americans encountered along the Pacific Northwest Coast were not typical hunter-gatherers. These groups had a high degree of organizational and social complexity and lived in large semi-sedentary villages with high overall population densities yet never practiced agriculture. Anthropology's fascination with this unique phenomenon attracted some of its biggest names including both Franz Boas and Alfred Kroeber. The archaeology of the Northwest Coast has continued to be focused on these topics and centered on the investigation of sites along the coast. However, Northwest coast peoples also have a long history of visiting inland locations to procure terrestrial resources.

Four hundred years after Fray Jose de Acosta speculated that Indians of the New World likely migrated from a place where it meets with the Old World (O'Neill 2004), the timing and route of the first Americans' travel onto the continent is still under debate. Regardless of the specific route, the central northwest coast, including the northern Olympic Peninsula, had certainly become ice-free by $10,000 \mathrm{BP}$ (Heusser 1973), if not as early as $12,000 \mathrm{BP}$ (Peterson et al. 1983). The earliest non-disputable occupations in the central northwest coast are sites containing Clovis culture dated between 11,050 and 10,800 years BP (Waters and Stafford 2007, Carlson 1996). Clovis sites may typically exist with the well-known fluted spear point, crescent bifaces and may be also associated with the remains of mammoths and mastodons (Matson and

Coupland 1995). While widely found throughout much of North America south of the maximum of the Fraser glaciation, Clovis sites are far less frequent in western Washington with eight recorded sites west of the Washington Cascade range including points found in Chehalis, Olympia, Whidbey Island, Bremerton, and Maple Valley (Croes et al. 2008). Sites in Washington are largely isolated finds and are typically found without datable materials.

The Manis Mastodon site (45-CA-218), located south of Sequim, is disputably the earliest demonstration of prehistoric human activity on the Northwest coast. Lacking the quintessential artifact that typically denotes a Paleo-Indian site, the Manis Mastodon site does not contain a fluted point. This site contains the remains of an extinct Pleistocene mega-fauna, Mammut americanum, with possible evidence of human predation. X-ray analysis of a pointed bone object found protruding from a rib of the animal suggests that the object is a bone projectile point healed in the rib (Gustafson et al. 1979; Ames and Maschner 1999:66). Two radiocarbon dates from associated peat bog materials provide an age of $12,000+/-310$ B.P and 11,850 +/- 60 B.P. (Gustafson et al. 1979). While the nature of the bone object has since been questioned (Carlson 1990; Fladmark 1982:106; Grayson and Meltzer 2002), this site still tenuously remains the oldest known on the Olympic Peninsula.

Cultural traditions that follow the fluted point horizon on the Northwest coast are not well defined and are referred to by a variety of names. Perhaps one of the most liberally used and illdefined cultural sequences in the Pacific Northwest coast is Olcott, also used interchangeably with the terms Old Cordilleran, Cascade, and Pebble Tool Tradition (Carlson 1996; Croes et al. 2008). All of the above names generally refer to the time period between 8,000 and 4,000 years B.P. but differ slightly in location and in the details of their assemblages.

This cultural sequence was first loosely described by Butler (1961) as containing bipointed or leaf shaped projectile points. Coined as a Cascade point they are found in context with simple cutting, scraping and chopping tools from 'early' sites. Butler (1961) used the term Old Cordilleran to describe a generalized hunter-gatherer culture, represented by this assemblage, which was the first to occupy the Pacific Northwest at the end of the Pleistocene. Butler (1961) argued that the assemblages he found throughout Washington, Idaho, and the northern Great Basin resembled that found by MacNeish (1958 in Butler 1961) in north eastern Mexico. From this he believed that these assemblages were representative of a widespread basal culture group of both North and South America. While Butler's idea of the Old Cordilleran Culture was quickly criticized (e.g. Daugherty 1962; Carlson 1962), he was the first to describe the Cascade point, a diagnostic point type found on the Columbia Plateau of Washington State.

The term Olcott was first referred to as a complex by Kidd (1964) and was used to describe a suite of artifacts found at the Olcott site (45-SN-14) which Butler had earlier described as Cascade points. Kidd (1964) proposed a threefold sequence pertaining to the prehistory of the Northwest and used the Olcott complex as the criteria for the Early period even though he had no dates linking this complex to the early Holocene. More recent excavations have bracketed Olcott assemblages between 8,000 and 4,000 B.P although few of these sites are well-described or free from natural and historic disturbances (Wessen 1993).

Since the 1960s, the terms Olcott, Cascade, and Old Cordilleran have frequently been used interchangeably to refer to the assemblages described above. While the Cascade complex has been the focus of more detailed investigations, especially on the Columbia Plateau (e.g. Butler 1961; Daugherty 1956; Hicks 2004), the fluid definition of the Olcott complex, which has come to refer to the Cascade complex west of the Cascade Mountains, has long been accepted. It
has become practice in the Puget Sound region to call fine-grained volcanic (basalt and dacite) lithic scatters composed of predominantly debitage, occasional scrapers, and leaf shaped projectile points absent of organic and therefore datable materials as Olcott assemblages. It is worth noting that most of the artifact types that are considered part of the Olcott complex also occur in other contexts and while their occurrence together is telling, it is not diagnostic (Wessen 1993).

It has been speculated that the lithic scatters in the interior of the Olympic Mountains all represent the Olcott period (Bergland 1987; Schalk 1988; Wessen 1978). However, only two dated interior sites correspond to this time. The Seven Lakes Hearth (45-CA-274), a small lithic scatter set at 4,450 feet, yielded a date of 4,990 B.P., however, the circumstances surrounding its collection make it questionable (see Appendix A). At the Hurricane Z site, a buried soil horizon associated with chipped stone artifacts was dated at 7,950 B.P. Two other sites located on the coastal plane (45-CA-426 and 45-CA-433), excavated during the Highway 101 Sequim Bypass re-alignment, unearthed one of the largest Olcott artifact assemblages from an excavated context in the Puget Sound (Morgan et. al, 1999). However, only one of 47 radiocarbon dates from the sites is Olcott age; the majority are Marpole and Locarno Beach.

Somewhere around 4,500 years B.P., Northwest coast cultures began developing traits that will later be seen in the "Developed Northwest Coast pattern" (Matson and Coupland 1995). Croes and Hackenberger (1988) speculate that in this phase populations began to steadily increase and people began focusing on more predictable resources such as roundfish, flatfish, and shellfish exploitation without yet practicing a storage economy. With sea level stabilizing, this was likely the beginning of a transitional period from that of forager-based to a collectorbased economy (Matson and Coupland 1995). Only one site from this time period is known to
exist on the Olympic Peninsula from this period: an inland shell midden on a raised terrace near the Waatch River (45-CA-400) (see Appendix A). St. Mungo phase artifacts include Olcott period artifacts with an initial appearance of ground stone, bone, antler and shell tools (Pratt 1992). A large percentage of the artifacts of these assemblages are perishable items not previously present in other assemblages due to their deposition in calcium rich shell middens of this phase. Similar species of both terrestrial and aquatic fauna continue to be present from the Old Cordilleran into St. Mungo, however, sustenance is largely based on coastal and riverine resources as evidenced by an increased in salmon and bay mussel (Matson and Coupland 1995).

Following the St. Mungo phase is the Locarno Beach phase. Analyses from components at least 28 sites have produced numerous radiocarbon dates placing this phase between 3,500 to 2,400 years B.P. (Matson and Coupland 1995). It is suggested that on the Olympic Peninsula, overharvesting of shellfish during the previous phase led to the beginning of a storage economy initially dependent upon flatfish and some roundfish (Croes and Hackenberger 1988). At least four Olympic Peninsula sites are known to have dates from this period (45-CA-213, 45-CA-426, 45-CA-433, and 45-CA-270) (see Appendix A). Assemblages of the Locarno Beach phase distinguish themselves from the earlier St. Mungo phase with an evidence of increased dependence on marine resources as well as status indicators. Typical artifacts include composite toggling harpoon valves, unilaterally barbed harpoon points, large slate points, shaped and decorated ground stone, stemmed chipped stone projectile points, small adzes, and labrets (Matson and Coupland 1995). In a few sites, including both Hoko and Sequim, obsidian and quartz crystal microblades were found. Microblades, as well as ground slate knives and the lack of salmon cranial bones are the basis of the argument for early salmon storage (Matson 1992;

Matson and Coupland 1995; Moss and Erlandson 1995), while others believe salmon cranial bones absence are due to differential preservation.

While the roots of socioeconomic complexity can be found in earlier phases, it was not until the Marpole phase that complexly was attained. The period between 2,400 and 1,200 years B.P., known as Marpole, is considered by many to be the full achievement of the "Developed Northwest Coast pattern" (Matson and Coupland 1995). At least three sites with Marpole dates exist on the Olympic Peninsula including the Ozette Village (45-CA-24) and two lithic scatters (45-JE-216 and 45-CA-485) (see Appendix A). While Borden reported on some of the specific traits which defined Marpole on the Fraser River delta, it wasn't until Mitchell (1971) and later Burley (1980) synthesized discussion that the three phase cultural sequence (Locarno Beach, Marpole, Late Prehistoric) for the Northwest coast was verified and widely accepted (Matson and Coupland 1995).

During the Marpole phase many of the characteristics that are ascribed to Northwest Coast cultures at contact came into full florescence. Due to increased economic and resource pressures, storage economy expands to include resources primary harvested in the summer/fall, namely riverine salmon (Croes and Hackenberger 1988). Several important developments occurred including the appearance of winter villages with several large multi-family planked long houses, elaborate burials, status ascription, ranked society, craft specialization, storage economy and standardized art forms which link sites back to the Fraser River region (Grier 2003). Some of the key components include ground slate knives and points, large adzes, labrets, hand mauls, perforated stones, large needles, an increase in bone tools, a sharp decline in chipped stone, as well as increased cairn and mound burials (Burley 1980; Mitchell 1971).

Particularly defining is the replacement of composite toggling harpoon points with unilaterally barbed bone and antler harpoon points.

The final cultural period is referred to by many names, such as, the Gulf of Georgia (Croes and Hackenberger 1988), the San Juan Phase (Carlson 1970), the Stselax phase (Borden 1970), and simply the Late Prehistoric (Matson and Coupland 1995). This Gulf of Georgia period is seen as a continuation of Marpole gradually blending into the ethnographic record from approximately 1,200 to 250 years B.P. At least four sites are dated to this period on the Olympic Peninsula all of which are shell middens (45-JE-15, 45-JE-08, 45-CA-29, and 45-CA-30 ) (see Appendix A). Material culture of this period is marked by the dominance of bone and antler tools, the near absence of chipped stone, a plethora of bone unipoints and bipoints, the introduction of flat topped mauls, the reintroduction of composite toggling harpoon point, and tools associated with weaving technology such as blanket pins and spindle whorls (Matson and Coupland 1995).

Winter villages with large mutli-family plank houses remain common as do resourcespecific procurement sites. In this period, sites begin to show evidence of intercommunity violence. Defensive sites including lookouts, rock wall and trench-embankment fortifications, and stockades are new additions to sites around the Gulf of Georgia and beyond which predominantly occur between 1,600 and 500 years B.P. (Angelbeck 2009).

By the time Spanish and British ships first made contact in the late 1700s (Gunther 1972) Northwest Coast Native Americans had become "Affluent Foragers", reaching a level of socioeconomic complexity not achieved by other hunter-gatherer populations. The European explorers soon brought traders, settlers, epidemics and great change which unequivocally altered the life-ways that Northwest Coast peoples had built upon for 12,000 years.

Today, the Olympic Peninsula is home to eight Federally-recognized tribes (Figure 1-2) (Wray1997). Except for the Makah, traditional territories generally extend from the coast, up a major river valley into the interior of the Olympic Mountains, converging in the vicinity of Mount Olympus. While the territorial lines are fairly straightforward in the coastal lowlands, territories begin to overlap in the interior. Being recent immigrants to the Peninsula, the Makah territory is in the extreme northwest of the Olympic Peninsula (Mitchell 2003). While these territorial lines are drawn from historical documentation are approximate interpretations of true tribal range, they offer insight as to the cultural affiliations of the residents of the Peninsula.


Figure 1-2 Tribal Territories on the Olympic Peninsula (from Wray 1997).

## CHAPTER TWO

## DESCRIPTION OF ASSEMBLAGE

In order to test the hypothesis in subsequent chapters that dacite was collected from local secondary sources on the Olympic Peninsula, the classification of the data must be made clear and the overall characteristics of the lithic assemblages in this study should be described. In this chapter I will define the terms used to describe artifacts and explain how artifacts were morphologically classified. Once this is understood, the characteristics of the assemblage as a whole are described to provide an overview of the materials used in this study.

### 2.1 Analysis Metadata

To carry out a meaningful, systematic analysis of chipped stone artifacts from the study area, artifact attributes must be clearly described in replicable, mutually exclusive categories (citation). All chipped stone artifacts were measured for a variety of characteristics in order to describe technological and metric attributes. Chipped stone artifacts were first assigned to one of two categories; an objective piece or detached piece (Andrefsky 2005). An objective piece is an item that is modified through numerous means, typically percussion or pressure flaking, during the process of flint knapping. The portion that breaks off of the objective piece is a detached piece is synonymous with debitage. Once a detached piece is removed, it too can be the objective piece if chosen by the stone tool maker for further modification or use. Below I describe the terminology used during this study to characterize the assemblages for data analysis.

While some typologies have been created for specific study areas or for the purposes of determining chronology or function, the typology used in this study is largely "interpretation-
free" (Sullivan and Rozen 1985). A typology that is based on the morphology of an artifact helps to decrease subjectivity and increase replicability, allowing for attribute analyses to test hypotheses. Adapted from Andrefsky's (2005) morphological typology, chipped stone artifacts were first determined to be either debitage (detached piece) or a tool (objective piece) (Figure 21). Stone tools are objects modified by the process of shaping, sharpening, or unintentionally through use wear. Debitage consist of all other detached pieces created during the practice of stone tool manufacture. Detached pieces were determined to be a flake with one ventral and one dorsal surface, or to be angular shatter where the detached piece lacks identifiable flake attributes. Flakes were classified as being whole, (having a striking platform and retaining all


Figure 2-1 Flowchart for Chipped Stone Morphological Classification.
margins), proximal, (having a striking platform but lacking a portion of its distal margin), or flake shatter, (lacking a striking platform but still with a recognizable dorsal and ventral surface).

Objective pieces were first determined to be bifaces or non-bifaces. Bifaces are defined as an artifact with two major surfaces that meet to form a single margin with flake scars circumscribing the tool (Andrefsky 2005; Crabtree 1972:38). Bifaces were divided into hafted or unhafted bifaces, the latter of which were further subdivided into early and late stage bifaces. Early stage bifaces have little evidence of shaping, a sinuous margin, and an irregular shape. Late stage bifaces are typically symmetrical, with straight margins and show ample of evidence of shaping and thinning. Non-bifaces contain two categories of tools; cores and flake tools. Flake tools are described as being unifacially modified, bifacially modified, or utilized. Cores are objective pieces used as a source for detached pieces and are divided into unidirectional, multidirectional, bipolar and cobble core.

Additional selected attributes were recorded to help aid in characterization during analysis. The amount of dorsal cortex was recorded on a ranked scale from 0 to 3 (Andrefsky 2005). If no cortex was present on the artifact it was recorded as a 0 . An artifact with some cortex present but with less than $50 \%$ of its dorsal surface was recorded as a 1. A 2 was recorded for artifacts with $50 \%$ or greater but less than $100 \%$ dorsal cortex. Artifacts with $100 \%$ dorsal cortex were recorded as a 3. Striking platforms were recorded for every whole and proximal flake. Cortical platforms retain original cobble cortex from the objective piece. Flat platforms contain a single smooth surface. Faceted platforms exhibit numerous small flake scars near the striking platform. Abraded platforms are similar to faceted but are also smoothed through grinding or rubbing. Termination types were recorded, which included feather, step, hinge and plunging terminations. Feather terminations are a smooth transition where the distal end
gradually shears off of the objective piece. Step terminations occur when the flake breaks as it is being removed from the objective piece creating a 90 degree angle with the ventral surface. A hinge fracture is a smooth, rounded termination that turns back towards the dorsal surface. A plunging, or overshot, termination is when the force turns back towards the objective piece and ends with a hook on the ventral side.

Debitage was also classified as to the reduction technology from which it was derived. Bifacial thinning flakes are typically long and small with expanding margins from the platform, feather terminations, faceted platforms, and more than two dorsal flake scars (Andrefsky 2005). Bipolar flakes generally exhibit two striking platforms or the remnant of and a relatively flat bulb of percussion. Lastly, a blade is a long narrow flake with a 2:1 ratio, removed from a unidirectional core and with a flat platform.

The number of dorsal flake scars on all debitage was recorded in order to help understand at what stage in the reduction sequence it was removed. All negative flake scars were counted, excluding small scars around the margins that likely occurred during platform preparation, breaks, and modification after detachment (Andrefsky 2005).

Metric attributes were taken for all pieces of debitage and tools in the sampled collection. A maximum linear dimension (MLD) was taken in millimeters with digital calipers regardless of flake orientation (Figure 2-2). This method was chosen to ensure that all artifacts were measured in the same manner and as a means to focus on the absolute size of an artifact regardless of platform presence. Width was taken at the next greatest dimension 90 degrees from the MLD. Thickness was taken at 90 degrees from the width dimension at the point where it intersects with the MLD. Additionally, all artifacts were weighed in grams with a digital scale.


Distal

Figure 2-2 Explanation of Artifact Measurements on a Sample Artifact.

Lithic raw material type was recorded in one of ten categories. As will be further discussed in Chapter 4, mafic, fine-grained volcanics, petrographically and chemically identified as dacite (Bakewell 1990b), have been found to be common components at lithic scatters on the Olympic Peninsula. Additional raw material categories were created after a review of collections and include quartzite, quartz crystal, meta-sediment, cryptocrystalline silica (CCS), obsidian, sandstone, fine-grained volcanic, coarse-grained volcanic and unknown. During analysis, both fine-grained volcanic and coarse-grained volcanic are combined into the category of other volcanic.

### 2.2 Assemblage Characteristics

Sites chosen for inclusion in this thesis were largely dictated by their availability for analysis at Olympic National Park's curatorial facility in Port Angeles, Washington. For a period of ten years, various pedestrian surveys and small scale CRM projects in remote areas of the Park were accompanied by surface collection of the sites. This practice accumulated collections from nearly 100 lithic scatters, all of which were used for this analysis (Figure 2-3). Three sites in the collection, Shelter Rock, Slab Camp and Ozette River, were considerably larger than the remainder of the sites containing three to four times the chipped stone artifacts as the next largest in the current sample. In order to reduce the influence these three very large sites might have


Figure 2-3 Location of Archaeological Sites Used in Analysis.
on the analysis, only a sample of their assemblages were analyzed. Drawn from each site was a simple random sample of approximately $20 \%$ of each original assemblage.

In total, 2,200 chipped stone artifacts were analyzed for the purposes of this thesis. These include artifacts from 91 lithic scatters and isolates ranging from 30 to 6,500 feet above sea level from all major watersheds of the Olympic Peninsula. On average, a site is composed of 24 chipped stone artifacts with a range from 1 to 346 and a standard deviation of 58. This distribution is not normal with a positive skew and excessive kurtosis. Of the 91 sites, a vast majority of them ( $74 \%$ ) are small composed of 10 artifacts or less while the remaining 24 sites are fairly evenly distributed through the remainder of the categories (Figure 2-4).

Chipped stone artifacts are by far the most abundant artifact type represented at sites in this study nearly to the exclusion of all other artifact types. As documented at other Olympic Peninsula lithic scatters, dacite, often classified by previous researchers as basalt, is the most


Figure 2-4 Number of Chipped Stone Artifacts Per Site.
common raw material type, representing $86.9 \%$ of all artifacts (Table 2-1). The remaining seven material types are rather equally represented in the remaining $13.1 \%$ of the sample. Metasediments are the second most common material type identified in $4 \%$ of the sample. Both quartzite and sandstone make up $2.9 \%$, while CCS and quartz crystal are represented by $1 \%$ each. The remaining raw materials are obsidian and other volcanic rocks, which both were identified in $0.7 \%$ of the sample each.

Debitage from stone tool manufacture makes up the largest category of artifact type within the assemblage at $85.6 \%$ and is dominated by dacite. Again, tools are overwhelming composed of dacite, with a negligible amount made of other raw materials. Flake tools compose the second most abundant artifact type at $8 \%$. Cores represent $4.9 \%$ of the sample, while bifaces are also present at $1.5 \%$ in the assemblage.

### 2.2.1 Debitage Characteristics

Debitage, or the unused detached portions removed during lithic reduction, typically compose the most common artifact type in lithic scatters in this study. In total, 1885 of 2200 artifacts were identified as debitage, which are unequally represented by all material types. Again, dacite composes the largest proportion, 88\%, of all the identified debitage. Such a high

Table 2-1 Summary of Chipped Stone Artifacts.

| Material Type | Core | Flake Tool | Biface | Debitage | Totals | \% of Total |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Dacite | 80 | 144 | 29 | 1659 | 1912 | 86.9 |
| Quartzite | 8 | 5 | 0 | 50 | 63 | 2.9 |
| Meta Sediment | 3 | 15 | 1 | 69 | 88 | 4 |
| Quartz Crystal | 7 | 2 | 1 | 11 | 21 | 1 |
| Obsidian | 0 | 0 | 0 | 15 | 15 | 0.7 |
| CCS | 4 | 2 | 2 | 14 | 22 | 1 |
| Sandstone | 5 | 2 | 0 | 57 | 64 | 2.9 |
| Other Volcanic | 1 | 4 | 1 | 10 | 16 | 0.7 |
| Totals | 108 | 174 | 34 | 1885 | $\mathbf{2 2 0 1}$ |  |
| $\boldsymbol{\%}$ of Total | 4.9 | 8 | 1.5 | 85.6 |  |  |

proportion of debitage in a single material class generally suggests that early stages of reduction were occurring on sites, but further analysis will help to characterize this large class of artifacts (Pecora 2001:188).

The proportion of proximal flakes in comparison with flake and angular shatter can indicate the condition of the collection. The most common type of debitage at $47.4 \%$ are proximal flakes, including whole flakes (Table 2-2). Proximal flakes, by definition, have a point of impact which can be used to count the minimum number of times an objective piece was

Table 2-2 Debitage Types.

| Material Type | Whole Flake | Proximal <br> Flake | Flake Shatter | Angular <br> Shatter | Total N |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Dacite | $325(19.6)$ | $468(28.2)$ | $732(44.2)$ | $132(8.0)$ | $1657(100)$ |
| Quartzite | $10(20.0)$ | $15(30.0)$ | $13(26.0)$ | $12(24.0)$ | $50(100)$ |
| Meta Sediment | $3(4.3)$ | $20(29.0)$ | $32(46.4)$ | $14(20.3)$ | $69(100)$ |
| Quartz Crystal | $1(10.0)$ | $3(30.0)$ | $2(20.0)$ | $4(40.0)$ | $10(100)$ |
| Obsidian | $3(20.0)$ | $4(26.7)$ | $8(53.3)$ | 0 | $15(100)$ |
| CCS | $4(28.6)$ | $6(42.9)$ | $2(14.3)$ | $2(14.3)$ | $14(100)$ |
| Sandstone | $17(29.8)$ | $10(17.5)$ | $24(42.1)$ | $6(10.5)$ | $57(100)$ |
| Other Volcanic | $4(40.0)$ | $1(10.0)$ | $4(40.0)$ | $1(10.0)$ | $10(100)$ |
| Total N | 367 | 527 | 817 | 171 | 1885 |
| $\%$ of Total | 19.5 | 27 | 43.3 | 9.1 |  |

Percent of material type given in parentheses
impacted during the reduction process (Andrefsky 2005). While proximal flakes are most abundant within the material types dacite, quartzite, CCS, sandstone, and other volcanics, it is not the case across the board. Both meta-sediment and obsidian exhibit the highest debitage class in flake shatter at $46.4 \%$ and $53.3 \%$, respectively. High frequencies of flake shatter in these material types may suggest that flakes are more likely to break during or after detachment. Quartz crystal, with the smallest sample size within the debitage category, shares its highest counts between proximal flakes and angular shatter, both with $40 \%$. Flake shatter composes a
close second to proximal flakes in terms of total frequencies across material types with $43.3 \%$. Angular shatter composes the smallest category of debitage at $9.1 \%$. Obsidian is the only material type not having a count in all debitage types. No piece of obsidian angular shatter was identified during this analysis and, in combination with its small frequencies and exotic nature, suggests that the initial reduction of obsidian occurred before it was transported to the Olympic Peninsula.

The study of platform types has been used to determine several characteristics of lithic reduction including stage of manufacture, type of objective piece, and flake size (Andrefsky 2005). Faceted platforms were the most commonly recorded platform type at $44.8 \%$, which was heavily weighted by the abundance of dacite platforms (Table 2-3). The abundance of faceted platforms implies greater care in flake removal, later stages of reduction, and perhaps biface production (Andrefsky 2005; Magne and Pokotylo1981). Other categories of material to record faceted platforms as the most abundant were obsidian, CCS and meta-sediment. Cortical platforms were the next most common type observed with $30.1 \%$ of the sample. Since cortex is generally removed early on in reduction, these platforms are more indicative of initial reduction.

Table 2-3 Debitage Platform Types.

| Material Type | Cortical | Flat | Faceted | Crushed | Totals |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Dacite | 218 | 201 | 364 | 4 | 787 |
| Quartzite | 14 | 5 | 6 | 0 | 25 |
| Meta Sediment | 6 | 7 | 9 | 0 | 22 |
| Quartz Crystal | 2 | 0 | 2 | 0 | 4 |
| Obsidian | 0 | 0 | 7 | 0 | 7 |
| CCS | 0 | 3 | 7 | 0 | 10 |
| Sandstone | 23 | 3 | 1 | 0 | 27 |
| Other Volcanic | 4 | 0 | 1 | 0 | 5 |
| Total N | 267 | 219 | 397 | 4 | 887 |
| \% of Total | 30.1 | 24.7 | 44.8 | 0.5 |  |

[^0]Quartzite, sandstone, and other volcanics all had the highest counts for platforms in the cortical category, while quartz crystal was split between cortical and faceted platforms.

Feather terminations are, for the most part, the desired outcome during lithic reduction because they leave a smooth surface on the objective piece and a long sharp edge on the detached piece (Whittaker 1994:106). As it turns out, the most commonly identified termination within the assemblage was a feather termination, representing 59.4\% of the observations (Table 2-4). All material types, except quartz crystal, also record feather terminations as being their most abundant terminations, ranging from $54 \%$ to $100 \%$ of the total observed. Step terminations are the second most common with $39.8 \%$ of the occurrences, and only quartz crystal records this termination most often with $60 \%$. These two termination types combined make up $99 \%$ of the observations, with hinge and plunging terminations appearing only in dacite at less than $1 \%$ together. Both hinge and step terminations are thought to be undesirable terminations because they interfere with subsequent reduction, however, step terminations may also occur later in a flake's life history after detachment as the result of trampling (Whittaker 1994:109).

Table 2-4 Debitage Termination Types.

| Material Type | Feather | Step | Hinge | Plunge | Totals |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Dacite | $753(57.5)$ | $545(41.6)$ | $10(0.8)$ | $1(0.1)$ | $1309(100)$ |
| Quartzite | $17(85.0)$ | $3(15.0)$ | 0 | 0 | $20(100)$ |
| Meta Sediment | $28(65.1)$ | $15(34.9)$ | 0 | 0 | $43(100)$ |
| Quartz Crystal | $2(40.0)$ | $3(60.0)$ | 0 | 0 | $5(100)$ |
| Obsidian | $8(100)$ | 0 | 0 | 0 | $8(100)$ |
| CCS | $6(54.5)$ | $5(45.5)$ | 0 | 0 | $11(100)$ |
| Sandstone | $36(94.7)$ | $2(5.3)$ | 0 | 0 | $38(100)$ |
| Other Volcanic | $7(87.5)$ | $1(12.5)$ | 0 | 0 | $8(100)$ |
| Total N | 857 | 574 | 10 | 1 | 1442 |
| \% of Total | 59.4 | 39.8 | 0.7 | 0.1 |  |

Percent of material type given in parentheses

Table 2-5 Amount of Dorsal Cortex on Whole Flakes.

| Material Type | None | $\leq \mathbf{5 0 \%}$ | $\geq \mathbf{5 0 \%}$ | $\mathbf{1 0 0 \%}$ | Total N |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Dacite | $242(69.7)$ | $76(21.9)$ | $23(6.6)$ | $6(1.7)$ | $347(100)$ |
| Quartzite | $6(50.0)$ | $1(8.3)$ | $1(8.3)$ | $4(33.3)$ | $12(100)$ |
| Meta Sediment | $2(40.0)$ | $2(40.0)$ | 0 | $1(20.0)$ | $5(100)$ |
| Quartz Crystal | $1(100)$ | 0 | 0 | 0 | $1(100)$ |
| Obsidian | $3(100)$ | 0 | 0 | 0 | $3(100)$ |
| CCS | $4(100)$ | 0 | 0 | 0 | $4(100)$ |
| Sandstone | $5(26.3)$ | $2(10.5)$ | $1(5.3)$ | $11(57.9)$ | $19(100)$ |
| Other Volcanic | $2(40.0)$ | $1(20.0)$ | $1(20.0)$ | $1(20.0)$ | $5(100)$ |
| Total N | 265 | 82 | 26 | 23 | 396 |
| \% of Total | 67.0 | 20.7 | 6.6 | 5.8 |  |

Percent of material type given in parentheses

Under the assumption that dorsal cortex is removed during initial stages of lithic reduction the amount of dorsal cortex present on debitage can be suggestive of a reduction stage (Marwick 2008). No dorsal cortex was the most commonly classified rank category in the subsample of whole flakes (67.0\%) (Table 2-5). Regardless of material type, all other whole flakes, with the exception of meta-sediment, followed the majority with a predominance of no dorsal cortex. Meta-sediment shared its highest counts between no cortex and less than $50 \%$.

The second most often recorded cortex rank was in the category of less than $50 \%$, which contained $20.7 \%$ of the subsample. Three material types, quartz crystal, obsidian, and CCS, recorded all of their frequencies in the rank of no dorsal cortex present. This is not surprising in the case of obsidian and CCS given that these materials are more highly valued because of their superior conchoidal fracture and ease of fracture control (Whittaker 1994:69); however, these materials also are represented by the 3 smallest frequencies. In addition to the ranked scale, the presence or absence of cortex was recorded for all artifact types, regardless of where it was on the artifact. In accordance with the previous measure, the majority of the artifacts did not exhibit cortex anywhere on them, but at a much more equal frequency (54.7\%) (Table 2-6). It is interesting to note that while "no cortex" was dominant, only three material types, dacite,

Table 2-6 Presence of Cortex For All Artifacts.

| Material Type | Present | Absent | Totals |
| :--- | :---: | :---: | :---: |
| Dacite | $805(42.1)$ | $1107(57.9)$ | $1912(100)$ |
| Quartzite | $45(71.4)$ | $18(28.6)$ | $63(100)$ |
| Meta Sediment | $52(59.1)$ | $36(40.9)$ | $88(100)$ |
| Quartz Crystal | $20(95.2)$ | $1(4.8)$ | $21(100)$ |
| Obsidian | $0(0.0)$ | $15(100)$ | $15(100)$ |
| CCS | $4(18.2)$ | $18(81.8)$ | $22(100)$ |
| Sandstone | $59(92.2)$ | $5(7.8)$ | $64(100)$ |
| Other Volcanic | $13(81.3)$ | $3(18.7)$ | $16(100)$ |
| Total N | 998 | 1203 | 2201 |
| \% of Total | 45.3 | 54.7 |  |

Percent of material type given in parentheses
obsidian, and CCS, follow this pattern. All other material types are rather heavily weighted toward a dominance of cortex present somewhere on the artifact.

The range of metric attributes collected for debitage vary quite drastically through the sample. Mean weights range from 0.1 to 66.5 grams and MLD from 7.9 to 69.4 mm (Figure 27). On average in this assemblage, whole flakes are the largest in all dimensions except thickness where angular shatter records the largest figures. Both proximal flakes and flake shatter share similar dimensions and are generally smaller and weigh less than angular shatter.

A review of the means for material types begins to illustrate some patterns in size distribution. In general, quartz crystal, CCS, and especially obsidian regularly have the smallest measurements in all four metric categories throughout all debitage categories as well as small standard deviations. The small sizes of the debitage indicate that the package size of the material may be small, whether it arrives here as a biface or begins as a small pebble. However, these three material types also have the lowest sample sizes as well. Sandstone, on the other hand, has the largest dimensions for weight, MLD, width, and thickness of all material types for all

Table 2-7 Debitage Sizes.

| Material Type | Weight (g) | MLD (mm) | Width (mm) | Thickness (mm) | Total N |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Whole Flake |  |  |  |  |  |
| Dacite | 4.2 (12.2) | 26.0 (10.6) | 18.3 (8.3) | 5.4 (3.5) | 325 |
| Quartzite | 25.3 (62.0) | 26.8 (21.0) | 18.2 (16.6) | 9.2 (8.4) | 10 |
| Meta Sediment | 3.4 (1.4) | 28.3 (1.3) | 19.1 (4.3) | 4.9 (2.7) | 3 |
| Quartz Crystal | 3.3 | 27.1 | 15.6 | 8 | 1 |
| Obsidian | 0.1 (0) | 8.6 (1.7) | 5.7 (1.8) | 1.3 (0.5) | 3 |
| CCS | 0.1 (0) | 10.5 (0.7) | 8.1 (0.5) | 1.3 (0.1) | 4 |
| Sandstone | 66.5 (69.9) | 69.4 (28.5) | 50.0 (21.2) | 14.2 (7.4) | 17 |
| Other Volcanic | 18.0 (16.3) | 52.6 (16.6) | 30.1 (12.4) | 10.5 (4.7) | 4 |
| All Materials | 7.7 (25.0) | 28 (15.6) | 19.7(11.7) | 5.9 (4.4) |  |
| Proximal Flake |  |  |  |  |  |
| Dacite | 2.8 (5.2) | 22.2 (9.4) | 15.8 (7.3) | 4.9 (7.1) | 468 |
| Quartzite | 2.3 (3.2) | 20.3 (7.2) | 14.1 (4.9) | 4.9 (2.7) | 15 |
| Meta Sediment | 1.8 (1.9) | 22.4 (9.4) | 16.73 (6.0) | 3.7 (1.4) | 20 |
| Quartz Crystal | 0.3 (0.1) | 12.57 (2.3) | 9.0 (1.6) | 3.4 (1.8) | 3 |
| Obsidian | 0.1 (0) | 9.8 (0.5) | 7.6 (1.5) | 1.3 (0.3) | 4 |
| CCS | 3.0 (5.7) | 19.1 (12.9) | 9.3 (5.2) | 3.7 (3.4) | 6 |
| Sandstone | 45.6 (80.0) | 48.4 (24.8) | 35.0 (22.4) | 11.4 (7.7) | 10 |
| Other Volcanic | 17.2 | 54 | 25.9 | 9 | 1 |
| All Materials | 3.5 (13.0) | 22.5 (10.5) | 16.0 (8.2) | 4.9 (6.9) |  |
| Flake Shatter |  |  |  |  |  |
| Dacite | 2.4 (4.1) | 21.5 (10.0) | 14.3 (6.9) | 4.9 (3.4) | 732 |
| Quartzite | 6.3 (16.0) | 23.9 (15.4) | 16.3 (10.6) | 5.8 (5.0) | 13 |
| Meta Sediment | 2.1 (3.6) | 21.6 (8.7) | 14.2 (5.9) | 4.4 (2.9) | 32 |
| Quartz Crystal | 0.7 (0.3) | 14.2 (4.6) | 10.3 (4.4) | 5.3 (0.3) | 2 |
| Obsidian | 0.1 (0) | 7.9 (1.7) | 4.5 (1.2) | 0.8 (0.4) | 8 |
| CCS | 0.5 (0.1) | 15.7 (6.0) | 11.8 (3.1) | 2.7 (0.2) | 2 |
| Sandstone | 39.6 (45.0) | 53.5 (24.1) | 34.5 (14.5) | 13.6 (6.4) | 24 |
| Other Volcanic | 1.6 (1.5) | 22.5 (12.1) | 13.3 (3.3) | 5.3 (1.4) | 4 |
| All Materials | 3.5 (10.8) | 22.3(12.1) | 14.8 (8.1) | 5.1 (3.8) |  |
| Angular Shatter |  |  |  |  |  |
| Dacite | 4.4 (6.3) | 23.6 (9.8) | 14.8 (6.8) | 9.2 (5.0) | 132 |
| Quartzite | 3.8 (6.2) | 21.2 (12.3) | 13.1 (6.5) | 7.7 (5.2) | 12 |
| Meta Sediment | 6.9 (9.3) | 28.5 (13.0) | 18.1 (7.8) | 9.8 (5.1) | 14 |
| Quartz Crystal | 0.9 (1.0) | 12.7 (4.2) | 8.9 (4.0) | 6.9 (2.5) | 4 |
| Obsidian | 0 | 0 | 0 | 0 | 0 |
| CCS | 0.8 (0.4) | 14.7 (5.8) | 9.6 (1.7) | 5.3 (1.4) | 2 |
| Sandstone | 57.8 (70.1) | 60.7 (23.8) | 36.3 (16.4) | 18.3 (8.4) | 6 |
| Other Volcanic | 1.2 | 16.1 | 12.8 | 7.2 | 1 |
| All Materials | 6.3 (16.8) | 24.7 (12.9) | 15.5 (8.3) | 9.4 (5.4) |  |

Standard deviations given in parentheses
debitage types. Similarly, these large pieces indicate a large package size, earlier stages of reduction and a local source for this material type.

### 2.2.2 Flake Tool Characteristics

Flake tools are represented by 8 of the 9 raw material types except obsidian (Table 2-8).
Flake tools are largely dominated by dacite, which is the most common material type in the assemblage. Meta-sediments are also represented in all three flake tool classes. Meta-sediment tools tend to be larger than dacite tools in all dimensions but are generally smaller than the few sandstone tools that are recorded. Additionally, means for all measurements of dacite and metasediment flake tools gradually increase in size in the 3 tool classes from utilized flake to unifacially retouched flake to bifacially modified flake. When comparing means for flake tool

Table 2-8 Flake Tool Sizes.

| Material Type | Weight | MLD | Width | Thickness | Cortex Present | Total N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Utilized Flake |  |  |  |  |  |  |
| Dacite | 8.3 (8.2) | 36.2 (12.4) | 23.6 (8.5) | 8.5 (3.7) | 38 (61\%) | 62 |
| Quartzite | 0 | 0 | 0 | 0 | 0 | 0 |
| Meta Sediment | 22.1 (35.4) | 50.8 (23.6) | 31.9 (16.7) | 10.1 (5.7) | 4 (57\%) | 7 |
| Quartz Crystal | 0.6 | 19.4 | 9.1 | 5 | 1 (100\%) | 1 |
| Obsidian | 0 | 0 | 0 | 0 | 0 | 0 |
| CCS | 1.8 | 20 | 11.6 | 8 | 0 | 1 |
| Sandstone | 297.3 | 141.6 | 80.6 | 22 | 1 (100\%) | 1 |
| Other Volcanic | 166.5 | 112.1 | 61.1 | 17 | 1 (100\%) | 1 |
| All Materials | 15.4 (40.2) | 39.7 (20.5) | 25.3 (12.5) | 8.8 (4.2) | 45 (61.6) |  |
| Unifacially Retouched Flake |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Dacite | 15.3 (17.7) | 40.7 (12.7) | 28.4 (9.9) | 10.6 (4.5) | 40 (58\%) | 69 |
| Quartzite | 63.2 (64.0) | 51.6 (13.9) | 40.0 (15.2) | 15.7 (9.3) | 5 (100\%) | 5 |
| Meta Sediment | 36.5 (38.2) | 55.4 (17.6) | 38.3 (16.0) | 15.5 (5.6) | 4 (100\%) | 4 |
| Quartz Crystal | 0.3 | 10.6 | 6.9 | 4 | 1 (100\%) | 1 |
| Obsidian | 0 | 0 | 0 | 0 | 0 | 0 |
| CCS | 0 | 0 | 0 | 0 | 0 | 0 |
| Sandstone | 52.4 | 66.4 | 51.5 | 16 | 1 (100\%) | 1 |
| Other Volcanic | 219.2 (179.9) | 74.1 (28.6) | 62.0 (26.8) | 31.3 (19.4) | 3 (100\%) | 3 |
| All Materials | 25.9 (52.5) | 42.7 (15.8) | 30.3 (13.4) | 11.61 (7.0) | 54 (65.1) |  |
| Bifacially Modified Flake |  |  |  |  |  |  |
| Dacite | 19.4 (24.7) | 45.1 (13.2) | 31.4 (8.3) | 10.9 (3.7) | 7 (64\%) | 11 |
| Quartzite | 0 | 0 | 0 | 0 | 0 | 0 |
| Meta Sediment | 93 | 91.7 | 79.7 | 97.4 | 0 (0\%) | 1 |
| Quartz Crystal | 0 | 0 | 0 | 0 | 0 | 0 |
| Obsidian | 0 | 0 | 0 | 0 | 0 | 0 |
| CCS | 0 | 0 | 0 | 0 | 0 | 0 |
| Sandstone | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volcanic | 0 | 0 | 0 | 0 | 0 | 0 |
| All Materials | 25.6 (31.7) | 48.9 (18.4) | 35.4 (16.0) | 18.1 (25.2) | 7 (58.3) |  |

Standard deviations given in parentheses except for Cortex Present column.
sizes to the means of debitage, another interesting trend is noticed. Assuming that flake tools were preferably made on whole flakes, the mean sizes for all flake tool classes are larger than the mean sizes for whole flakes in both dacite and meta-sediment. This suggests that the largest flakes were being chosen to make flake tools on.

### 2.2.3 Core Characteristics

The sizes of cores are highly variable ranging from sandstone, the largest in alldimensions, to quartz crystal, the smallest in all dimensions (Table 2-9). Noticeably absent from the sample are obsidian cores, which suggests that, in combination with small debitage size,

Table 2-9 Size of Core Tools.

| Material Type | Weight | MLD | Width | Thickness | Total N |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Dacite | $52.5(103.9)$ | $48.6(16.4)$ | $34.8(12.1)$ | $22.2(10.3)$ | 80 |
| Quartzite | $80.7(87.1)$ | $51.4(15.9)$ | $40.0(14.0)$ | $27.1(10.3)$ | 8 |
| Meta Sediment | $89.0(125.9)$ | $53.9(32.1)$ | $42.4(19.8)$ | $21.2(13.7)$ | 3 |
| Quartz Crystal | $3.9(3.7)$ | $20.4(7.9)$ | $13.6(6.9)$ | $10.4(5.4)$ | 7 |
| Obsidian | 0.0 | 0.0 | 0.0 | 0.0 | 0 |
| CCS | $31.95(27.3)$ | $40.6(9.0)$ | $28.2(7.3)$ | $22.3(9.8)$ | 4 |
| Sandstone | $354.1(237.1)$ | $94.4(27.0)$ | $114.4(113.6)$ | $39.9(17.3)$ | 5 |
| Other Volcanic | $67.5(0)$ | $67.17(0)$ | $37.9(0)$ | $24.65(0)$ | 1 |

Standard deviations given in parentheses
Table 2-10 Core Type by Material.

|  | Multi <br> Directional | Uni <br> Directional | Bipolar | Cobble Core | Total N |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Dacite | $61(76.3)$ | $10(12.5)$ | $5(6.3)$ | $4(5.0)$ | $80(100)$ |
| Quartzite | $8(100)$ | 0 | 0 | 0 | $8(100)$ |
| Meta Sediment | $3(100)$ | 0 | 0 | 0 | $3(100)$ |
| Quartz Crystal | $1(14.3)$ | $4(57.1)$ | $2(28.6)$ | 0 | $7(100)$ |
| Obsidian | 0 | 0 | 0 | 0 | 0 |
| CCS | $3(75.0)$ | $1(25.0)$ | 0 | 0 | $4(100)$ |
| Sandstone | $1(20.0)$ | 0 | 0 | $4(80.0)$ | $5(100)$ |
| Other Volcanic | $1(100)$ | 0 | 0 | 0 | $1(100)$ |
| Total N | 78 | 15 | 7 | 8 | 108 |
| \% of Total | 72.2 | 13.9 | 6.5 | 7.4 |  |

Percent of material type given in parentheses
absent cortex from all surfaces, and all around small sample sizes, obsidian was not being reduced for the purposes of making flakes but more likely during resharpening events. The most frequently represented core type recorded was a multi-directional core found in $72.2 \%$ of the subsample (Table 2-10). Quartz crystal is the only material type to differ from the subsample average having its highest frequency in uni-directional cores and its second most frequency in bipolar. In the overall assemblage, quartz crystal debitage and tools regularly differed from the averages.

### 2.2.4 Biface Characteristics

In total, 30 early stage, late stage, and hafted bifaces were identified in the assemblage. Dacite was the most commonly used material type chosen to make all three types of bifaces representing all but two of the subsample (Table 2-11). The 2 remaining bifaces show evidence of hafting and are fashioned on meta-sediment and CCS. Late stage bifaces are the most common type making up $60 \%$ of the total subsample, one of which still has cortex present on it. The vast majority of the dacite bifaces are of the Olcott type $(\mathrm{N}=15)$ which is very common on the Olympic Peninsula and elsewhere. These points are typically willow-leaf to diamond-shaped bifaces that lack the finely patterned flakes scars found on well made bifaces. Five bifaces are lanceolate shaped with contracting stems or broken at the base. Contracting stem bifaces are present with four identified in the sample. The remaining bifaces are either small fragments too small to identify or uncommon. Figure 2-5 shows a sample of these point types found in the study area.

Table 2-11 Biface Sizes.

| Material Type | Weight | MLD | Width | Thickness | Cortex Present | Total N |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Early Stage Biface |  |  |  |  |  |  |
| Dacite | 5.35(2.6) | 32.2 (7.27) | 19.5 (4.3) | 8.3 (1.1) | 1 (25\%) | 4 (100) |
| Quartzite | 0 | 0 | 0 | 0 | 0 | 0 |
| Meta Sediment | 0 | 0 | 0 | 0 | 0 | 0 |
| Quartz Crystal | 0 | 0 | 0 | 0 | 0 | 0 |
| Obsidian | 0 | 0 | 0 | 0 | 0 | 0 |
| CCS | 0 | 0 | 0 | 0 | 0 | 0 |
| Sandstone | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volcanic | 0 | 0 | 0 | 0 | 0 | 0 |
| Late Stage Biface |  |  |  |  |  |  |
| Dacite | 7.7 (7.1) | 36.6 (13.6) | 21.3 (8.1) | 8.1 (2.7) | 3 (17\%) | 18 (100) |
| Quartzite | 0 | 0 | 0 | 0 | 0 | 0 |
| Meta Sediment | 0 | 0 | 0 | 0 | 0 | 0 |
| Quartz Crystal | 0 | 0 | 0 | 0 | 0 | 0 |
| Obsidian | 0 | 0 | 0 | 0 | 0 | 0 |
| CCS | 0 | 0 | 0 | 0 | 0 | 0 |
| Sandstone | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volcanic | 0 | 0 | 0 | 0 | 0 | 0 |
| Hafted Biface |  |  |  |  |  |  |
| Dacite | 10.4 (4.6) | 48.1 (7.1) | 26.4 (5.8) | 8.3 (1.6) | 0 (0\%) | 6 (100) |
| Quartzite | 0 | 0 | 0 | 0 | 0 | 0 |
| Meta Sediment | 3.6 | 32.5 | 18.8 | 7.29 | 0 | 1 (100) |
| Quartz Crystal | 0 | 0 | 0 | 0 | 0 | 0 |
| Obsidian | 0 | 0 | 0 | 0 | 0 | 0 |
| CCS | 9.2 | 48.4 | 23.4 | 8.7 | 0 (0\%) | 1 (100) |
| Sandstone | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volcanic | 0 | 0 | 0 | 0 | 0 | 0 |

Standard deviations given in parentheses except for Cortex Present column.

### 2.3 Summary of Assemblage

In summation, the 2,200 chipped stone artifacts included in this analysis represent 91
lithic scatters collected from the Olympic Mountains. Nearly $87 \%$ of these artifacts are made of a mafic fine-grained volcanic often classified as dacite. Except for obsidian and potentially CCS, the remaining raw materials were likely collected from bedrock sources. More than three quarters of the artifacts were identified as debitage, with the remaining $14 \%$ made of core, flake and bifacial tools. Typical traits of the debitage include faceted platforms, feather terminations, and no dorsal cortex however, the predominance of dacite artifacts likely skews the overall picture in their favor. Few formal tools were observed in comparison to informal flake tools, and


Figure 2-5 Sample of Bifaces Included in this Study (Illustrations by Sarah Moore).
multi-directional cores were the most common type recorded. With a basic understanding of the assemblage characteristics, a more detailed analysis can help answer questions about patterns observed in the data.

## CHAPTER THREE

## CONCEPTS FOR ANALYSIS

A set of overlapping concepts are employed here to aid in the understanding of artifact as the result of past human behaviors. To understand the combined approach taken in this analysis, it is first important to look individually at the foundational concepts. In this chapter I review the ideas behind distance decay and exchange, lithic technological organization, and human behavioral ecology as they apply to creating hypotheses to explain variability in the lithic assemblages in this study.

### 3.1 Distance Decay and Exchange

Exchange models help to reconstruct trade and social interactions of groups of people through analysis of spatial patterning of artifacts with known sources. The distance decay model was introduced to the field of archaeology first by Renfrew (1969) and later Hodder (1974). Renfrew (1969) modified Reilly's (1931) model, derived from analysis of retail purchases, which posited that greater exchange occurred between areas that were close to each other than to those that were far. Renfrew applied this model to sites in the European Bronze Age and found that the frequency of obsidian artifacts likewise declined with greater distance from the source (Renfrew 1972).

Renfrew (1972) modeled the expected decrease in frequency of "down-the-line exchange" in the contact zone and in the fall off zone (Figure 3-1). Though the proportion of obsidian in the overall assemblages tends to "fall off" as distance is gained from the source, in the "contact zone", obsidian remained near $100 \%$ in the assemblages within 300 km of the


Figure 3-1 Modeled Example of Down-The-Line Exchange (from Renfrew 1977).
source. The contact zone is the area in which groups traveled directly to the quarry to acquire material for themselves. Those within the contact zone would, through reciprocal exchange, trade a proportion of their material with neighboring groups. The neighboring group would trade a smaller proportion "down-the-line" to other groups creating an exponential curve of frequency and distance.

While exchange models worked well in interpreting archaeological assemblages for sedentary populations, it became clear that this was not the primary method in which mobile hunter-gatherers acquired tool stone. Binford's (1979) introduction of embedded procurement proposes that tool stone is acquired by the stone tool maker incidentally during the completion of other subsistence related activities and there is little to no additional effort at obtaining them. With this new enlightenment, the distance decay model becomes governed by different factors as the distance between stone tool maker and quarry is no longer static through time.

Gould and Saggers (1985), as well as others, brought attention to the difficulty in differentiating between archaeological assemblages with tool stone acquired directly and that acquired indirectly through down-the-line trade because neither produces distinctive assemblages. Hence, unless it was known in which manner the raw material was acquired (direct vs. indirect), the distance decay model could not be used as an indicator of the distance traveled by a group (Beck and Jones 1990). Logically following, only in cases of direct procurement of resource by the user would artifact frequencies decline from source in a predictable manner within a group's range.

In the description of the archaeological assemblages used for this thesis (Chapter 2), it was stated that $87 \%$ of all the artifacts are dacite. Taking what is known about down-the-line exchange, the high proportion of dacite implies that stone tool makers on the Olympic Peninsula were within the contact zone for dacite or along its periphery. From a combination of Renfrew's (1972) work and data on dacite frequencies in this study, it is hypothesized that stone tool makers on the Olympic Peninsula had direct access to collect dacite for themselves. This hypothesis will be elaborated in Chapter 4. Furthermore, because it is suspected that dacite is a component of glacial deposits which are limited to the northern end of the Olympic Peninsula, it is hypothesized that the ratio of dacite to other raw materials will decrease as distance from the source is gained. Evaluation of this hypothesis is undertaken in Chapter 5.

A second key component of the work of Renfrew $(1969,1972)$ and Hodder $(1974)$ is the concept of distance decay, archaeologists have since determined that not only did tool stone become less frequent with increasing distance in the fall of zone, but artifact size also decreased. In an analysis of chipped stone artifacts from the central Texas Gulf Coast during the Late Prehistoric, Ricklis and Cox (1993) found that with greater distance from source there was an
increased utilization of flakes and decreasing length of arrow points. Newman (1994) found statistically significant evidence that flake thickness and the overall volume of a flake (L x W x T) decreased the further an assemblage was from the tool stone source. He speculated that this finding was due to decreasing parent material size as well as an emphasis on technology that was geared towards toolstone conservation.

Once the distribution of dacite on the Olympic Peninsula is determined (Chapter 4), hypotheses pertaining to patterns in the size of artifacts can be made more concrete. Similar to the decreasing proportions of dacite in the assemblages, it is hypothesized that size of dacite artifacts will likewise decrease as distance from the source increases. It is proposed that, similar to Ricklis and Cox (1993) and Newman's (1994) findings, objective pieces will become smaller making detached pieces smaller and artifacts will be more conserved.

### 3.2 Human Behavioral Ecology and Optimal Foraging Theory

In the 1970s, human behavioral ecology (HBE) emerged from the biological sciences’ evolutionary ecology that had developed in the decade prior (Smith and Winterhalder 1982). HBE attempts to model human behavior under the assumption that natural selection favors organisms that adapt to their environments in ways that enhance their fitness (Boone and Smith 1999). HBE provides a tool to generate middle range theory and testable models pertaining to the optimization of resources (Boone and Smith 1999). These models aim at simplifying the data, while ignoring stochastic noise, in order to see the pattern in the big picture (Winterhalder and Smith 2000). However, it is seldom the case that an optimization model plays out in the archaeological record in the most simple and optimal way without subsequent fine-tuning: models are good at explaining but not predicting (Kelly 1995). It is these deviations from the
model that help archaeologists understand the negotiations prehistoric peoples made with resources in a landscape.

Optimal foraging theory (OFT), a branch of HBE also conceptualized by biologists, asserts that natural selection plays a large part in creating the behaviors of an individual's choice of resources regardless of whether the resource is plant, animal or tool stone (Pyke et al. 1977). Success of a person is measured in terms of reproductive fitness, which is largely shaped by the ability to harness energy, i.e. food. OFT predicts that people, as fitness maximizers, will pursue the resource that offers the highest return on the smallest amount of energy spent. Humans leave traces of their choices in the form of artifacts, which serves as a proxy measure for archaeologists to study behavior (Bird and O'Connell 2006). Several models, including time allocation, resource selection, patch choice, and prey choice, have been developed to help analyze decision making.

One model developed by archaeologists deals with decision-making for field processing of a resource. This model helps predict when low value portions of a resource will, or will not, be removed prior to it being brought back to camp (Barlow 1992). Depending on the distance between camp and place of resource, negotiations may be made which will have an effect on the archaeological record. The model predicts that if a large resource is taken at a distance from camp, the resource may be field processed, removing low value portions to make it easier to transport. On the other hand, this same resource may be transported without processing if it is close to camp. An unprocessed resource reduces handling time, which allows for multiple trips if necessary. Examples include; removing lower limbs from artiodactyls (Lupo 2001), discarding the shell of a shellfish (Bettinger et al. 1997), and making a biface at a quarry (Beck et
al. 2002). The presence or absence of these low value items at a site can help archaeologists decipher the field processing decisions.

Another concept used to interpret difference in archaeological assemblages deals with the intensification of resources. In a given environment, resources are ranked in terms of their profitability. For example, a big, slow moving animal would rank higher than a small, quick animal due to its ease in capture and large caloric return. Resources are ranked based on their overall return which considers a variety of factors not limited to travel costs, search costs, processing costs and size of package (Gremillion 2002). The prey choice model leads to the idea that highest-ranked resources were taken every time upon encounter while lower-ranked resources were bypassed (Gremillion 2002). As encounter rates for a high ranked resources decline due to things such as over-harvesting or population growth, time spent looking for highranked resources increases. Increased search time drives up procurement costs due to lower overall net return (Boone and Smith 1998). In reaction to this, new less-costly resources are sought and diet breadth is expanded to include resources that were formerly lower-ranked. The lower-ranked resources become more profitable to take because their encounter rates are higher and unaffected by the decline in the highest-ranked resources (Boone and Smith 1998). This change in resource procurement strategy is also called the "broad spectrum revolution" (Winterhalder and Smith 2000).

The fundamental ideas for the prey mode, in terms of resource value and encounter, can be applied to raw material procurement due to the nature of the distribution of dacite. Dacite occurs in glacial deposits on the northern Olympic Peninsula and can be found in low abundance where glacial deposits are exposed. Mass wasting of these deposits continually moves materials downhill into watersheds that drain into the Strait of Juan de Fuca, and, to a lesser degree, the

Hood Canal. Since dacite is a finite source and is no longer being deposited on the Peninsula, there will always be more dacite at lower elevations than at higher elevations. Due to its low abundance in glacial deposits, one must search for it similar to the act of foraging. The greatest encounter rates for dacite are in areas with the greatest exposure which, observed through personal experience, are rocky beaches. Dacite can also be found less reliably along the coastal plains, but only in areas where glacial deposits are cut into, such as river banks. However, as stated before, dacite is always moving downhill. Limited modern search events in river valleys have been less successful than those that occur on the beach (see Figure 4-5, Chapter 5).

So, given this, OFT predicts that dacite, as the highest ranked available resource for stone tool manufacture, would have been procured most often from the location with the highest encounter rate; on the coast. Quartzite co-occurs with dacite in glacial deposits, and modestly in local conglomerates (Flenniken 1981). However, as evident by quartzite's low frequency in most archaeological assemblages in this study, was regularly passed over for dacite. Through time, continual resource harvesting would have had diminished returns and increased search times, depending on resource pressure, which could have led to expanding resource breadth (Gremillion 2002). Alternatively, it's been shown that certain raw materials were preferred for certain types of tools (Beck and Jones 1990, Kelly 1988). It is further hypothesized that sites where dacite is not the dominant tool stone will be located far from the source of dacite. In cases where this hypothesis does not hold true, I further investigate the possibility of certain raw materials used for a specific task. These hypotheses are tested in the following chapter.

### 3.3 Lithic Technological Organization

The organization of lithic technology refers to the way that prehistoric peoples made conscious decisions in the use of lithic raw materials in interacting with their surroundings in both known and unknown tasks within their daily life (Andrefsky 2008). Lithic technological organization (LTO) is a fairly broad, overarching paradigm that studies the life cycle of an artifact from the time it is procured, manufactured, maintained, recycled and eventually discarded (Andrefsky 2008:4). LTO studies have explored re-occurring themes which include lithic raw material variability and availability, expedient versus curated tools, measuring retouch, and tool transformation (Andrefsky 2008:4). While this same concept can be disguised under a variety of specific names including lithic reduction sequences, chaine operatoire, life histories and LTO, I agree with Andrefsky (2008:4) that they all embody the same overall philosophy of archaeologists attempting to model how people used the land in social, environmental and historical contexts.

In its infancy, foundational concepts for LTO were first introduced in Frison's (1968) analysis of a buffalo kill site in northern Wyoming. In this study of retouch flakes from tools used in a relatively short time period, he concluded that the same tool may appear extremely different at different phases of its use. A variety of behaviors, such as recycling, can drastically transform the original artifact into something needed for the task at hand. This idea of viewing the life history of tool from its production, use, and maintenance came to be known as the "Frison Effect" (Andrefsky 2008:xi).

The study of LTO was introduced by Binford's in-depth ethnoarchaeological study of the hunter-gatherer Numamiut in Alaska and numerous publications stemming from this work. It is during this study that Binford $(1973,1979)$ first introduced the ideas of embedded procurement as well as expedient and curated technology. Tools are said to be organized on a continuum
from expedient (tools that are made as needed and discarded shortly there afterwards) to curated (tools which are formalized with more forethought) (Bamforth 1986). Since its inaugural use, the concept of curation has had a variety of approaches including transported tools, advanced production of a tool, multi-functionality, tool recycling, maintenance of the tool, and production effort of complex tools (Andrefsky 1994, 2008; Bamforth 1986 ).

The effort put into the manufacture of tool kits for both mobile and sedentary populations under varying circumstances has been the topic of much discussion (Andrefsky 1994; Binford 1979; Jeske 1989; Kelly 1988; Parry and Kelly 1987; MacDonald 2008). Parry and Kelly (1987) believed that the tool kit of mobile hunter-gatherers should be standardized cores and formal tools arguing that because they carried all possessions on their back, all excess was discarded and preparedness was vital. Formal tools are the result of much expended energy, either as the result of directed flint knapping for a finished product, or as an indirect result of resharpening and reworking limited material (Kelly 1988). Formal tools including bifaces, formal cores and some intentionally retouched flake tools, are desirable in a tool kit because they are maintainable, have many functions, and have the potential to be redesigned for new tasks (Parry and Kelly 1987; Shott, 1986). Conversely, sedentary groups did not need portable tools so little energy was placed into the preparation of tool kits, hence informal tools are dominate (Parry and Kelly 1987). Informal tools, such as notched and utilized flakes, are created at the place of need to fulfill the task at hand. They are made with little attention to form and are generally discarded when the task is complete. Andrefsky (1994) found that raw material abundance and quality crucially affected the types of tools produced. In groups where abundance was low but quality was high, tools were found to be primarily formal. Where lithic quality was both high and
abundant, tools were mixtures of both formal and informal. Where low quality material was scarce, tools tended to be informal.

Prehistoric populations on the Olympic Peninsula, like on the greater Northwest coast, began as mobile populations that, with time, became seasonally semi-sedentary up to the late prehistoric. While the residential mobility of occupants of the lowlands is unknown, it is known that sites in the mountains represent mobile populations due to the fact that the area is covered in snow nine months a year. At least in the late Holocene, these areas were likely logistical resource procurement zones and sites were the result of multi-day camps. Given what is known about mobility, it is hypothesized that tools will become more formal as distance from the source of dacite increases. Following from this, if dacite is procured from the glacial deposits, it is hypothesized that little evidence of reduction occurring on site will be found further from the source.

The following two chapters will attempt to elucidate the source of the predominant toolstone on the Olympic Peninsula, and, once this is known, test the hypotheses formulated throughout this chapter.

## CHAPTER FOUR

## ESTABLISHING DACITE PROVENIENCE

### 4.1 Introduction

Chipped stone archaeological sites on the Olympic Peninsula are routinely dominated by a single raw material - dacite. This designation is based on Bakewell's (1990b) research identifying a small sample of artifacts throughout the Puget Sound region, including the Olympic Peninsula, as dacite rather than basalt. Furthermore, Bakewell found that many of his regionally sampled dacite artifacts originated from the Watts Point volcanic center, B.C. (Figure 4-1), and subsequently argued that the raw material was culturally transported to the Olympic Peninsula. Others alleged that Watts Point dacite was available as a secondary source in glacial deposits throughout western Washington (Conca 2000; Kenady 1973; King 1950; Kornbacher 1992:168169; Morgan et al 1999:C4; Schalk 1988:158; Wessen 1993). The parent outcrop exists over a hundred miles away from the Olympic Peninsula at Watts Point, B.C., but it has not been established whether prehistoric peoples traveled to the source to acquire this material, traded other goods for it, or if it was available closer to the Olympic Peninsula.

The focus of this chapter is to present new data in an attempt to resolve the debate concerning the use of Watts Point dacite. While most of the Olympic Peninsula's chipped stone artifacts appear to be dacite, it is still unknown as to whether Watts Point itself is the dominant source or if other sources of dacite are also present. It is first hypothesized that Watts Point dacite is the largest dacite source represented in the archaeological collections used in this thesis. Once this is known, it follows to ask whether or not the Watts Point dacite source is


Figure 4-1 Watts Point Vicinity in the Pacific Northwest.
geochemically distinctive in comparison to other nearby dacite outcrops. If it is not geochemically distinctive then it is a poor candidate for further sourcing studies through XRF. Finally, potential secondary local sources of Watts Point dacite are investigated around the Peninsula. It is hypothesized that Watts Point dacite is available in glacial deposits on the Olympic Peninsula as a significant secondary toolstone source. Knowing the availability of a potential tool stone source will assist in structuring the analysis of chipped stone artifacts in Chapter 5.

In this chapter, I will first review previous work regarding the initial identification of Watts Point dacite in the Puget Sound-Gulf of Georgia region. Next I will evaluate each of the three hypotheses stated above to determine if Watts Point dacite is found in the archaeological collections, if it is unique, and if it can be found in local secondary glacial deposits. Additionally, I will discuss the duration of time Watts Point dacite was used for adding strength to the hypothesis that it can be found in glacial deposits. For the purposes of this thesis, the tool stone of topic will be referred to as Watts Point dacite, and not San Juan dacite, in order to refer to the tool stone's primary quarry and not the location of the archeological site where it was first identified.

### 4.2 Understanding the Debate

In western Washington and southwestern British Columbia, vast quantities of the archaeological sites are reported to contain basalt chipped stone (Butler 1961; Conca 2000; Kornbacher 1989; Matson 1976; Morgan et al. 1999; Schalk 1988; Wessen 1993). It wasn’t until 1990 that archaeologists began questioning the authenticity of the field identification of all mafic
fine-grained volcanic materials as basalt. Bakewell (1990a) suspected that the basalt chipped stone artifacts from the greater Puget Sound-Gulf of Georgia region were macroscopically being classified incorrectly. He argued that incorrectly classifying them as basalt, a material widely found in Washington State, masks the material variability and therefore past cultural dynamics (Bakewell 1993:23). He first identified through both petrographic and chemical analysis that the "basalt" artifacts from British Camp (45-SJ-24), San Juan Island, were dacite rather than basalt. Furthermore, he stated that due to the chemical similarities in the artifacts they likely originated from a single source and hypothesized that this source may potentially be Mount Garibaldi in British Columbia.

Due to their exceptionally similar physical appearance, dacite and basalt are frequently misclassified. Both rocks are mafic (dark colored) extrusive volcanics and are two of the most abundant rocks found on earth. Dacites range from light gray to black in color and basalts are typically black. However, a gray cortex or patina can disguise the true color of either of these rocks. Dacite has a silica $\left(\mathrm{SiO}_{2}\right)$ content between $63 \%$ and $68 \%$ while rhyolite has a greater silica content and basalt has a lower content. While it is not possible to accurately classify rocks based on their physical appearance, it is possible to roughly discriminate between several varieties with a trained eye.

Acting under the suspicion that this fallacy was repeated at other Puget Sound-Gulf of Georgia archaeological sites, 24 additional "basalt" artifacts from 8 spatially diverse sites were analyzed, including 2 sites on the Olympic Peninsula (Bakewell 1990b). Petrographic and chemical analysis of these materials revealed a wider variety of raw materials grouped under the same classification of basalt. Of the 22 samples, 1 was determined to be pyroclastic rock, 3 were determined to be sandstone, and the remaining 18 were determined to be dacite. Five of the
dacite artifacts were then analyzed for major and trace elements and compared against the results of dacite from the San Juans to determine whether or not they all shared the same geologic source. Bakewell (1990b: 12) concluded that there was not a significant difference between the major and trace elements among the sample artifacts and the artifacts from the San Juan Islands. From these results he stated that tool stone frequently classified as basalt throughout the entire region, is in fact dacite, and originates from a single geologic source. It is during this research that Bakewell first used the phrase "San Juan dacite" to describe the raw material, a term that has found its way into literature of the Pacific Northwest.

While it was suggested several times over that the primary source of the San Juan Dacite was located in the Garibaldi Provincial Park, British Columbia, the source location wasn't positively identified until 2005(Bakewell 2005). As a part of his dissertation research, Bakewell petrographically and geochemically analyzed samples from Watts Point and the surrounding beaches to confirm that his San Juan lithics matched the Watts Point dacite source.

This identification led Bakewell and others to make two far reaching conclusions. First, Bakewell (1993:31; 1996:137; 2002:49; 2005), Stein (2000:55) and Close (2006) argue that dacite cobbles were procured from the primary source in British Columbia and brought by canoe to various places throughout the Puget Sound-Gulf of Georgia region. As a second conclusion, Bakewell (1991:13; 1993:31; 2005:40) argued that the exclusive use of vitrophyric dacite from Watts Point, deemed "San Juan Dacite", and access to its quarry location in British Columbia, were controlled by Coast Salish groups. Furthermore, the documented archaeological distribution defines a prehistoric geopolitical boundary. Evidence for the validity of this argument was demonstrated when artifacts from 12 western Washington sites returned the Watts Point petrographic signature and were found to lie within the same language group based
territory attributed to the Coast Salish by Suttles (1990) (Bakewell 2005:38-39). To date, these arguments remain the most formally articulated assessment as to where and how Northwest coast peoples obtained their preferred tool stone. Since then, this explanation has been reiterated and unchallenged.

While Watts Point dacite cobbles could always have been procured from its primary source in British Columbia, some archaeologists wondered if the tool stone was available in other areas than the primary source (Conca 2000; Kenady 1973; King 1950; Kornbacher 1992:168-169; Morgan et al 1999:C4; Schalk 1988:158; Wessen 1993). While surveying the Olympic National Park's interior, Schalk noticed "several unworked basalt nodules" (1988:158) in a trail tread that were practically indistinguishable from the tool stone in archaeological sites he had recorded. He suggested that it should be considered that these exotic materials were glacially transported into areas that were formerly glaciated. Additionally, after completing a detailed analysis of the lithics at English Camp, Kornbacher (1992:168-169) concluded that, based on macroscopic characteristics, cobbles of the same dacite used for stone tool manufacture could be found in glacial deposits on San Juan Island and likely the greater archipelago. Taking this one step further, archaeologists working on the Sequim Bypass Project sought to determine if the dacite found at the two sites of the project could be found nearby. Several rock samples taken from the Dungeness River, less than one mile away, returned geochemical signatures indistinguishable from the tool stone used at the sites on the Sequim Bypass Project (Morgan et al. 1999:C4).

However, even with evidence that Watts Point dacite can be found on the Olympic Peninsula, it cannot be ruled out that these small amounts of potentially naturally occurring dacite were instead culturally transported in prehistory. The three previous examples (Schalk

1988:158; Kornbacker 1992:168-169; Morgan et al. 1999:C4) of potentially naturally occurring dacite was found in small quantities in very close proximity to known archaeological sites. Stein (2000:55) and Bakewell $(1993: 31 ; 1996: 137 ; 2005)$ both argue that any modern dacite found on the local beaches are remnants from prehistoric maritime trade and do not occur in glacial tills in sufficient quantities necessary to exploit. Even though macroscopic and limited geochemical identification (eg. Morgan et al. 1999:C4) suggests a more localized secondary source, no formal documentation of its availability and abundance has occurred and its place of procurement is still under speculation.

Arguing against those who believe the raw material to be available in local tills, Bakewell offered his own points to defend his stance. Even though Kornbacher and Bakewell used the same site for analysis, they arrived at two different conclusions concerning provenience. In order to test Kornbacher's (1992:168-169) local hypothesis, Bakewell analyzed several geologic samples from San Juan Island that were potentially dacite. One of the samples returned identical results to that of Watts Point dacite; however, he discarded this result because the sample was collected from an excavation backfill pile (Bakewell 1990a:37; 1996:137). From these results, Bakewell concluded that dacite cobbles were not present in glacial deposits, but agrees with Kornbacher's lithic analysis in which she asserts that flakes were reduced from cobble form on site. Bakewell $(2005: 83,104)$ states that beach cobbles are surface finds which therefore leaves their provenience questionable. He suggested that in order to resolve this debate, several cubic meter blocks of undisturbed glacial till should be excavated to search for dacite in situ.

### 4.3 Understanding the Resource

Watts Point dacite is part of the greater Garibaldi volcanic belt which is comprised of 6 volcanic fields in southwestern British Columbia, Canada (Green et al. 1998). The Garibaldi belt represents a portion of the Canadian Cascade Mountain range trending north/northwest paralleling the British Columbian shoreline for the distance of approximately 240 km . Beginning in the south at Howe Sound is the Watts Point volcanic field, and continuing north are the Mount Garibaldi, Garibaldi Lake, Mount Cayley, Elaho Valley, Meager Creek, and terminating in the north is Salal Glacier volcanic field. These volcanoes are the result of convergence between the North American and Juan de Fuca plates 250 km west along the continental shelf. In general, these volcanoes are composed of a variety of lavas including biotite rhyodacite, hornblende andesite, hornblende-biotite andesite, augite-olivine basalt and hypersthene andesite. Dacite lava flows are present at several of the volcanic fields including Mount Garibaldi, Mount Cayley and Meager Creek.

The Watts Point volcanic field is the southern most of these six fields located on the south side of Howe Sound approximately 50 km north of Vancouver, B.C. This small outcrop is estimated to have a total volume of $0.02 \mathrm{~km}^{3}$ and is described as a sparsely porphyritic, highly jointed hornblende and pyroxene dacite lava (Bye et al. 2000). While first impressions pointed to its formation as the result of lava pooling in a semi-circular depression adjacent to a glaciofluvial sediment terrace (Green et al. 1988), more recent research interprets its variable columnar joint sizes, crystalinity, decreasing column diameter with height, radiating column orientations and overlying glacial till as indicators of its subglacial eruption (Bye et al. 2000). While the eruptive history for the greater Garibaldi volcanic belt spanned much of the Quaternary, the Watts Point volcanic field is one of the youngest lavas with the shortest duration of eruptions. Potassium-Argon (K-Ar) dates from two whole rock samples placed the Watts

Point eruptions at $90+/-30$ kya and 130 +/- 30 kya (Green et al. 1998). The two K-Ar dates at Watts Point also provided evidence for its subglacial eruption; British Columbia was inundated with ice during the Salmon Springs Glaciation prior to 50 kya. Today this outcrop underlies a provincial park, rock quarry, and has undergone substantial shoreline modification from blasting for a railroad track.

Late Pleistocene glacial deposits in southwestern British Columbia and northwestern Washington are the result of the Salmon Springs Glaciation prior to 50 kya and the Fraser Glaciation from 10 to 26 kya (Armstrong et al. 1965). Greater surface topography of the Olympic Peninsula is largely the result of the advance and retreat of the last far reaching stade of the Fraser glaciation, the Vashon stade. By 19,000 B.P. the Puget lobe of the Cordilleran ice sheet had arrived at southeastern Vancouver Island, advanced to the Puget lowland by 15,000 B.P. and reached its terminus near Chehalis by 13,600 B.P. (Armstrong et al. 1965). The Juan de Fuca lobe, which split off of the Puget lobe after being pushed up against the northeastern corner of the Olympic Peninsula, advanced westward concurrent with the Puget lobe. It reached its maximum extent by 14,500 B.P. past Cape Flattery, rounding the northwestern corner of the Peninsula down to Lake Ozette. Since the Watts Point lava was present during the advance of the Fraser glaciation and it is the southernmost volcanic field of the Garibaldi belt, there is a high likelihood that it is included within the glacial deposits of western Washington.

### 4.4 Hypothesis 1: Is it in the Study Collection?

Bakewell's (1990b) initial study identified two Watts Point dacite chipped stone artifacts on the Olympic Peninsula implies that the there is potential for the remaining dacite artifacts to be from the same source. In order to determine whether further characterization studies are
pertinent to this study area it first needs to be determined whether or not Watts Point dacite occurs in the study collection in greater than normal quantities. It is hypothesized that Watts Point dacite is the largest dacite source represented in the archaeological collections used in this thesis. In order to address this question, a 5\% simple random sample of all fine-grained volcanic artifacts in the collection facility at Olympic National Park were selected for trace element analysis. In total, 111 artifacts from 54 archaeological sites were sent to Northwest Research Obsidian Studies Lab in Corvallis, OR, for non-destructive x-ray florescence (XRF) analysis.

Results from the XRF analysis of sampled artifacts suggests that the misidentification of dacite chipped stone artifacts first discovered by Bakewell (1990a) likewise exists extensively on the Olympic Peninsula (Figure 4-2). Of the 111 FGV artifacts sourced, $100(90 \%)$ returned with the trace elements indistinguishable from that of Watts Point. While these artifacts have been field characterized for the last 25 years as basalt, they are indeed predominantly dacite as suspected. Furthermore, the dacite artifacts are overwhelmingly from the same source. Since this sample was randomly selected from the greater population, it follows that approximately $90 \%$ of the FGV collection used in this study, or 1,980 artifacts, are also from the Watts Point parent source further emphasizing the intentional selection of this material. This kind of continuity in raw material source suggests that its preference was aided by its ease of access either directly or through trade. In sum, XRF analysis supports the hypothesis that Watts Point dacite was a major raw material source for the Olympic Peninsula peoples.

Of the 11 artifacts with trace elements not corresponding to Watts Point, 6 of the artifacts with unknown FGV sources are in close proximity in the very northwest corner of the Olympic Peninsula. This variability corresponds to the area where the Fraser Glaciation terminated in the


Figure 4.2 XRF Results for Artifacts, Garibaldi Dacites, and Secondary Sources.

Strait of Juan de Fuca. This pioneering portion of the continental ice sheet may have perhaps overridden areas different than that following it in turn leaving behind different sources of glacial deposit. While this is purely speculation, is remains unclear as to why over half of the unknown sources are found in the same general area and warrants additional investigation in the future.

### 4.5 Hypothesis 2: Is it a Distinctive Raw Material?

In order to determine whether the dacite at Watts Point carries a distinct suite of trace elements, a pilot study was initiated to assess the variability of dacites in close proximity along the greater Garibaldi belt. It is hypothesized that the Watts Point dacite source is a geochemically unique dacite. While Watts Point is in the southern-most volcanic field in the Greater Garibaldi Belt, dacite is also known to exist in the central and northern portions of the Garabaldi Belt (Russell et al. 2007). In total, 16 primary geologic samples were collected, 8 from each of 2 volcanic fields including Mount Cayley (central) and Mount Meager (northern) (Figure 4-3). These specimens were sent to Northwest Research Obsidian Studies Lab for XRF analysis. The results from this study will help to establish if further provenience analyses will be of any analytical value by determining trace element characteristics of several other dacite flows.

Results from sampling of other primary geologic Garibaldi belt dacites produced a mixed outcome. All 8 specimens from the 2 Mount Cayley locations of the central Garibaldi belt returned trace element compositions that are dissimilar to the Watts Point dacite. While the Mount Cayley samples have similar levels of Zirconium (Zr), they have higher levels of Strontium ( Sr ) which bring them out of the known Watts Point range. However, trace element composition from 2 of the 8 samples from the Mount Meager volcanic field, in the northern Garibaldi belt, are indistinguishable from that of Watts Point (Figure 4-2, center, marked by


Figure 4-3 Location of Garibaldi Belt Volcanoes Sampled.
triangles). These samples also have Zr ranges similar to Mount Cayley and Watts Point but generally have lower levels of Sr . It is within the higher ranges of Sr for the Mount Meager samples that they overlap with the lower end of the known ranges for Watts Point samples.

While the diagnostic trace elements of Watts Point and Mount Meager may overlap along their peripheries, macroscopic properties of the two dacites are not similar. In general, the samples collected from the Mount Meager and Mount Cayley volcanic fields are different grades of vitreous aphanitic dacite (Russell et al. 2007) and would not make a suitable tool stone. On the other hand, Watts Point dacite is vitrophyric, sparsely porphyritic and macroscopically would not be mistaken for the previous. While these results should only be considered a preliminary look into the trace element variability of the dacites of the Garibaldi volcanic belt, they do suggest that there may be some overlap between the sources. In sum, these results do not support the hypothesis that Watts Point dacite is a geochemically unique material; however, macroscopic qualities of the Watts Point and Mount Meager can distinguish between the two.

### 4.6 Hypothesis 3: Is there a Local Secondary Source?

Lastly, in order to determine if a secondary source of Watts Point dacite can be found locally, cobbles were sampled from areas where glacial deposits from the Fraser Glaciation were exposed on the Olympic Peninsula (Figure 4-4). It is hypothesized that Watts Point dacite is available in glacial deposits on the Olympic Peninsula as a significant secondary toolstone source. While theoretically glacial till, drift, and outwash containing Watts Point dacite could occur anywhere overridden by the Fraser Glaciation, the easiest place to locate cobbles is in large unvegetated exposures, primarily beaches and river banks. With intention, collection locations


Figure 4-4 Examples of Dacite Cobbles Collected.
were chosen away from known archaeological sites in order to avoid the chance of collecting a manuport. A total of 234 cobbles visually identified by the author as dacite were collected from 17 spatially diverse areas along the northern Olympic Peninsula (Figure 4-5). Collection locations were largely dictated by areas of public access and places both within and past the glacial maximum were chosen. Collection areas where no cobbles were identified were also noted. All samples were individually described in terms of shape, degree of physical and chemical weathering of cortex, weight, greatest linear dimension and UTM location (Appendix B). A $20 \%$ stratified simple random sample $(\mathrm{n}=47)$ was taken of the geologic specimens and sent to Northwest Research Obsidian Laboratory for XRF analysis. The sample population was stratified in order to sample at least one cobble from every collection location because knowing the distribution is a key component to hypothesis testing. These results were combined with 4
additional samples from my pilot study for a total of 51 secondary geologic samples with XRF results.

Of the 51 geologic samples visually identified as dacite and collected from glacial deposits, $36(63 \%)$ of them returned trace element compositions that were indiscernible from the primary source at Watts Point, British Columbia and create a noticeable cluster when graphed (Figure 4-2, bottom). Of the 17 locations sampled, all but 4 contained at least 1 Watts Point dacite sample. Positively identified samples were found all along the northern Olympic Peninsula, San Juan Islands, and near the American-Canadian border. While the author's macroscopic identification skills of Watts Point dacite were not at keen as was thought, it was still proven that with focused attention to minute variations in FGV cobbles one can repeatedly discern between sources, a skill that is certainly perfected with time. These results support the hypothesis that Watts Point dacite is available as a secondary source to stone tool makers on the Olympic Peninsula.

Of the 4 sample locations that did not include Watts Point dacite, 2 of them are on central Whidbey Island (Ferry House, Keystone Beach). These locations account for more than half of the unknown source count (53\%), and are composed entirely of the unknown source. All 8 samples are graphed in a noticeably different area than other samples with a combination of higher quantities of Zirconium and lower quantities of Strontium that are not found in the archaeological collection nor the other Garibaldi dacites. This dacite appears to constitute a new and unknown source of dacite. While this is a curious pattern, no immediate explanation can account for this. This result, in combination with the unknown artifact sources grouped in the Northwest corner of the Peninsula described in section 4.4, suggests that secondary dacite sources may have spatial limitations. At the two remaining locations where Watts Point dacite
was not identified, Pillar Point and Panorama Point, the author found it difficult to find potential geologic samples and only collected one sample at each place, both of which returned an unknown FGV source. If all 65 samples, sourced or not, from Whidbey Island are removed from the original population, prior to sampling, the new total is 169 and the remaining 43 XRF-ed samples consist of a $25 \%$ sample of the population. This brings the Watts Point dacite up to $84 \%$ of the sample and a much smaller macroscopic identification error rate by the author.

While the diagnostic composition of Watts Point dacite is a fluid definition that changes with every addition of a geologic source sample, some trends in what we know about its composition can be stated. When determining whether or not an artifact is from this source, Sr and Zr parts per million are heavily relied upon, however, Rubidium ( Rb ), Yttrium (Y), Niobium $(\mathrm{Nb})$, and Barium (Ba) are also examined (Craig Skinner, personal communication 2010). The known ranges from the source outcrop $(\mathrm{N}=65)$ available to Northwest Research Obsidian Studies Laboratory are below in Table 4-1. Because small numbers of primary source samples are typically used to characterize a large number of artifacts, the variability in the artifacts themselves may come to characterize the primary source better. In order to account for the unknown variability, an artifact is considered to be from the Watts Point source when it falls

Table 4-1. Known Range of Diagnostic Elements for Watts Point Dacite. Std. Deviation

| Element | Range $(\mathbf{p p m})$ | (ppm) |
| :---: | :---: | :---: |
| Rb | $19-34$ | $+/-4$ |
| Sr | $623-836$ | $+/-9$ |
| Y | $13-20$ | $+/-4$ |
| Zr | $109-141$ | $+/-7$ |
| Nb | $2-11$ | $+/-2$ |
| Ba | $516-758$ | $+/-25$ |

within two standard deviations of the known upper and lower limits of variation.
Also important to this study is where Watts Point dacite was absent from search locations. On nearly every instance of collection (except Beach Grove), anywhere from 30 to 90 minutes were spent searching for the tool stone with the shorter duration spent at locations where dacite was abundant. What is apparent by their distribution on a map (Figure 4-5) is that Watts Point dacite was never found south of the maximum extent of the Fraser glaciation. While the lack of evidence should not act as evidence itself, this pattern lends credence to the idea that these cobbles were transported glacially. Another pattern noted is that while for the most part Watts Point dacite was easily found along the previously glaciated coast lines, it was more difficult to find in the river valleys. Additionally, in both the Elwha and Dungeness drainages, Watts Point dacite was found in the lower elevations of the valley (locations 10 and 12) but not in the upper portions. Rivers along the northern Olympic Peninsula cut through and erode glacial deposits creating gravel bars that include both local and glacially deposited rock. These large exposures along river banks are another potential source of secondary raw materials. However, mass wasting of the glacial deposits is continually moving dacite downhill which may account for its discovery at lower elevations of the river valleys.

### 4.7. Longevity of Local Use

The previous sections of this chapter have established three points - first, that Watts Point dacite is predominant in the archaeological collections; second, that Watts Point dacite can be identified through macroscopic and geochemical means; and lastly, that Watts Point dacite is available in the glacial deposits as a secondary toolstone source. These conclusions tell us that

## Secondary Source Collection Locations



Figure 4-5 Map with Sampled FGV Search Locations.
while it was always possible to acquire the material by travel or through trade, it was not necessary to do so because it could be found nearby. I hypothesize that while Watts Point dacite could always be procured from its primary location, Olympic Peninsula peoples were procuring it from the local secondary source and not the distant one. Therefore, the distribution of chipped stone artifacts made of Watts Point dacite does not constitute a geopolitical boundary on the Olympic Peninsula (cf. Bakewell 2005). The following section provides evidence to support this hypothesis.

Bakewell's (2005) dissertation argued that artifacts fashioned of Watts Point dacite marked a geopolitical boundary in the Northwest Coast. He argued that Salishan groups controlled the Watts Point quarry and its distribution was limited only to Salish groups, just as the Shuswap controlled a vitrophyre quarry and its distribution near Keatley Creek (Bakewell 2005). He argued that in these locations, the distribution of tool stone from the quarry could be used as an alternative and complementary means of defining language groups where boundaries were unknown. Bakewell sourced limited artifacts from several sites in the northern Puget Sound and the eastern Olympic Peninsula and found that Watts Point dacite was the predominant FGV in his study. The distribution of these artifacts fell within the Salishan language group; however, he did not attempt to source FGV outside of the language group. This study identified Watts Point artifacts from across the Olympic Peninsula, including some from the Makah territory, a group that is linguistically part of the Wakashan language, not Salishan (Kinkade and Powell 1976). While the Makah are relatively recent immigrants originating from Vancouver Island approximately 1,000 years ago, the same area was inhabited by Chimakuan people who also spoke a language distinct from Salishan groups prior to the Makah (Kinkade and Powell 1976). While Bakewell may have argued in his dissertation correctly in other instances of
cultural groups controlling the distribution of a local tool stone, XRF results do not support that this was the case for Watts Point dacite on the Olympic Peninsula.

Just 25 kilometers to the north east of the primary Watts Point source lies the source of Garibaldi obsidian. Garibaldi obsidian frequently dominates assemblages in archaeological sites throughout southwestern British Columbia and has been in use for over 10,000 years (Reimer 1997). While obsidian artifacts are uncommon on the Olympic Peninsula, the few artifacts encountered have been collected to provide XRF data. In total, 6 obsidian artifacts from 5 sites have been sourced from within Olympic National Park, only 2 of which were included in the analyzed sample described in Chapter 2. Results show that these artifacts represent 5 different obsidian sources: Whitewater Ridge, Newberry Volcano, Gregory Creek, Wolf Creek, and Obsidian Cliffs, all of which are in central and eastern Oregon. To my knowledge, no other archaeologists have ever identified Garibaldi obsidian on the Olympic Peninsula. Again, revisiting the hypothesis that Watts Point dacite was transported by human agents to the Olympic Peninsula, it seems highly unlikely that an obsidian source in such close proximity to the Watts Point dacite source would not have occasionally been transported alongside dacite.

In order for Watts Point dacite to be a constituent of the glacial deposits in northwest Washington, it must be older than the retreat of the continental glaciers. In a recent discussion of archaeological sites in the Gulf of Georgia, it was stated that the Watts Point dacite source erupted in the Holocene (Bakewell 2005:104, Stein 2000:55 caption), which would therefore make it too young to be glacially transported. Instead, others argue that due to its modern position along the coast, dacite cobbles could have been easily picked up at the source and transported by canoe (Stein 2000:55 caption). However, a closer look at the data identified the eruption occurring circa 160 kya, not 10 kya, based on $2 \mathrm{~K}-\mathrm{Ar}$ dates of whole rock samples
(Green et al. 1988:566). More recently, the lava dome at Watts Point was described as having a distinctive radial columnar joint pattern, glassy to fine-grained ground mass, and with overlying glacial till that suggests the lava erupted subglacially (Bye et al. 2000). This places Watts Point dacite as being present during two glacial advances and highly likely to have been sheared off by the massive weight of the glaciers.

Test excavations conducted by Gallison (1994) at Slab Camp, in the northeast corner of the Olympic Peninsula, uncovered one of few dense forested lithic scatters known on the Peninsula. Even more uncommon for this area was the positive identification of Mazama ash overlying earlier deposits. One dacite artifact from the pre-mazama component was included in the artifacts sampled for XRF analysis (Table 4-2). Results confirm that this dacite artifact was indeed Watts Point dacite. Being that the eruption of Mount Mazama is firmly dated to 7,627 +/150 years B.P. (Zdanowicz et al. 1999), and that Watts Point dacite artifacts were deposited prior to the eruption, the longevity of use of this material begins to emerge.

While radio carbon dates for western Washington sites during the late Pleistocene are limited in number, the relative age of Clovis points, one of the most far reaching material

## Table 4-2 Dated Sites with Watts Point Dacite.

| Site Name | Trinomial | Age |
| :---: | :---: | :---: |
| Shelter Rock | 45-JE-216 | $1700+/-70$ B.P. |
| Happy Birthday | 45-CA-287 | $1740+/-40$ B.P. ${ }^{+}$ |
| Hurricane Z | 45-CA-302 | $7950+/-50$ B.P. ${ }^{+}$ |
| Slab Camp | $45-$ CA-SC | Pre-Mazama (7627 B.P.) $^{\text {Bishop Clovis Point }}$ |
| 45-IS-112 | $\sim 11000$ B.P. |  |

${ }^{+}$Date from buried soil horizon with associated artifacts.


Figure 4-6 Line Drawing of Bishop Clovis Point (dacite) and Crescent (CCS) (courtesy of Cascadia Archaeology).
cultures in North America, has been established by archaeological research. The Bishop Clovis point, site 45-IS -112 (Figure 4-6), which is held in a private collection from a site on central Whidbey Island, was recently macroscopically described as dacite (Schalk 2010). Because it is the only known Clovis point to be described as dacite and it is the closest occurring Clovis point to the study area, permission was granted to x-ray fluoresce the artifact. Results from its analysis show that the trace elements from the Bishop Clovis point are indistinguishable from the Watts Point source (Figure 4-7). Recent investigations into the age of Clovis points outside of the Northwest coast place them into a fairly narrow age bracket ranging from 11,050 to 10,800 years


Figure 4-7 Bishop Clovis Point (diamond) XRF Characterization Graphed with other Watts Point Dacite Artifacts.
B.P. for all reliable Clovis dates (Waters and Stafford 2007). Assigning the Bishop Clovis point to the youngest date of 10,800 years B.P. and following the previous line of reasoning, the idea of a maritime trade pattern for the continuous acquisition of Watts Point dating back 12,000 years starts to become less likely.

The previous paragraphs have illustrated a few points that add strength to and support the hypothesis that Watts Point dacite was collected from local secondary deposits. First, it was shown that the local distribution of Watts Point dacite was not dictated by the Salishan language group as was previously argued. Next it was show that the eruption of dacite magma at Watts Point is older than previously understood by archaeologists making it present during the advance
of continental glaciers into western Washington. Lastly, a Clovis point was demonstrated to be made with Watts Point dacite which significantly predates complex maritime trading systems on the Northwest Coast. Additionally, at the time when the Clovis point was made, the Watts Point source was likely still covered by ice or water during the Fraser Glaciation. This evidence strongly suggests that prehistoric peoples were procuring their Watts Point dacite from the glacial deposits. This conclusion does not, however, rule out the possibility that in the late Holocene, prehistoric stone tool makers may indeed have traveled to the primary source to augment their supplies. This conclusion only confirms it was known that the material existed in a secondary source and at least some of the time was procured from the secondary source but not to the exclusion of other procurement areas.

### 4.8 Summary of Results

The results of this study have demonstrated that Watts Point dacite was locally available to stone tool makers on the Olympic Peninsula and beyond. It can be found in the Olympic Peninsula's glacial deposits as a non-discrete resource available on a relatively large scale, however, with some spatial limitations. Some degree of uncertainty must have existed when prehistoric peoples were seeking out tool stone. It is not equally abundant in all locations, and even absent in some where it was expected by the author. In the course of doing so it was shown that Watts Point dacite is the most common tool stone found in lithic assemblages. A 5\% sample of the FGV artifact population demonstrated that the stone tool makers were extremely accurate at choosing the same raw material source repeatedly amongst a range of other fine-grained materials available in glacial deposits. Additionally, as evidenced by the Clovis point and a premazama artifact, the same material has been used throughout the entire Holocene. Lastly, it was
also found that Watts Point dacite is distinguishable from other Garibaldi volcanic belt dacites macroscopically, through trace element analysis or through a combination of both. Even though a small portion of the primary geologic samples did return trace elements indistinguishable from Watts Point, these two sources would not be confused.

## CHAPTER FIVE

## DATA ANALYSIS AND HYPOTHESIS TESTING

### 5.1 Introduction

While the most frequent site type on the Olympic Peninsula is a lithic scatter, very little is known about these sites. In this chapter, I will explore the nature of the archaeological collections described in Chapter 2 by testing hypotheses created in Chapter 3 concerning distance decay, human behavioral ecology and lithic technological organization. Given what is known about distance decay, it is hypothesized that as the effort increases to move from a secondary source of Watts Point dacite to a site, artifacts of this material should decrease in metric size. Furthermore, given what is known about the technological organization of lithics, it is hypothesized that analyses will show increased reduction intensity, increased tool formality, and less shatter as distance between site and source location increases. While Chapter 4 established that Watts Point dacite is locally available as a secondary source in the Peninsula's glacial deposits, these deposits are widely spread over the northern Olympic Peninsula. It is lastly hypothesized that stone tool makers were primarily acquiring Watts Point dacite from the ocean beaches, and not from inland sources, because it was more reliably found there. To help compare expectations about where Watts Point dacite was collected, two proxy measures were created to relate a site to a tool stone source location in terms of difficulty to access the site. The outcome of these hypotheses have the potential to complement the results of Chapter 4 and to support the greater hypothesis of this thesis; that Watts Point dacite was procured from a local secondary source on the Olympic Peninsula.

### 5.2 Creation of Proxy Measures

Archaeological sites included in this investigation have a broad distribution throughout the Olympic Peninsula and, in order to create hypotheses about trends in the data, two proxy measures were created. These measures were created to capture the relative idea of the effort it may have taken for a stone tool maker to get from an area where dacite could have been collected to the place where it was used, i.e. a site's location. Chapter 2 discussed the investigation into the distribution of dacite as being in the glacial till of areas overridden by continental ice sheets during the last ice age. However, from the experience of the author searching for dacite in many exposed inland areas of the Olympic Peninsula, it is suspected that dacite can only reliably be procured from extreme lowland northern river valleys or northern beaches. Because the exact places of procurement are unknown, proxy measures were created to encompass the effort in transporting Watts Point dacite from the coastlines to a site location and, alternatively, from the furthest point inland where dacite could potentially be procured (the glacial maximum) to the site location. For every artifact, the effort it took to reach a site from the coast was calculated by taking its distance from the nearest formerly glaciated coastline in feet, multiplying it by its elevation in feet and dividing by 10,000 to make the value more manageable (Figure 5-1). Similarly, the value for the glacial maximum proxy was calculated by multiplying a site's distance from the nearest glacial maximum by the change in elevation from that point to the site's elevation, and dividing by 10,000 . In both cases if the site's elevation was not the highest point crossed from the place where procurement was measured from while traveling up a river valley (e.g. back side of a ridge), then the height of the nearest ridge crossed was used in place of site elevation.

# Proxy Value $=($ Distance to Nearest Source $)($ Elevation Change from Source to Site $)$ 10,000 

Figure 5-1 Proxy Measure Calculation.

While regression analysis is a better method of showing linear relationships, these data are not well-suited for regression. Regardless of where the artifact was collected on site, they all likely arrived as undetached pieces on a core and therefore have the same proxy value which creates the problem of attenuation. In its place, artifacts were given a rank score between 1 and 5, based on its proxy value, in order to discuss the differences between groups of sites at similar effort values, and to avoid the problem of small sample sizes at individual sites (Table 5-1). Hence a site would have a rank of 1 when it was very easy to acquire Watts Point dacite and would have a rank of either 5 (for coastal rank) or a 3 (for glacial maximum) when it was difficult to acquire. Given that the proxy measured from the coast will always be larger than the proxy to the glacial maximum, it is not surprising to find that the two proxy measures are significantly positively correlated $\left(\mathrm{r}^{2}=.81, \mathrm{p}=.01\right)$. It should be expected that these two

Table 5-1 Description of Proxy Measures.

| Proxy Score | Effort from the Coast <br> Rank | Effort from Glacial <br> Maximum Rank |  |
| ---: | :---: | :---: | :---: |
| $0-10,000$ |  |  |  |
| Increasing  <br> $10,001-20,000$ 1 | Effort |  |  |
| $20,001-30,000$ | 2 | 2 |  |
| $30,001-40,000$ | 3 | 3 |  |
| $40,001+$ | 4 | NA |  |

measures create results that are similar and, when the results diverge, may deserve further investigation.

Comparisons between what is predicted to be the most optimal in a particular environment and what was actually pursued, as evidenced in the archaeological record, has the potential to indicate the types of negotiations being made between the prehistoric peoples and their environment. My hypothesis is that effort from coast proxy will better explain trends in the data than effort from glacial maximum proxy. In subsequent discussions pertaining to "distance from the source" of dacite, I use both proxy measures as an experiment throughout this chapter. A discussion of the differences between the results for the proxies will be included with each analysis.

### 5.3 Application and Distance Decay Concepts

If dacite was constrained by availability for tool users in the interior of the Olympic Peninsula, then, according to distance decay models, there should be fewer and smaller pieces recorded further from the perceived place of procurement. Likewise, bedrock derived materials not found in the glacial deposits should not change. To measure availability of dacite I examine artifact size. Figure 5-2 displays the maximum linear dimension (MLD) as mean and standard deviation for all dacite artifacts in increasing distance from the nearest proxy location. ANOVA results confirm that the mean measurements from the group are different $(\mathrm{F}=50.26$; d.f. $=2,1908$; $\mathrm{p}<.0005$ ), and a post hoc Bonferroni t-test further shows that each rank's means are statistically different from each other at the 0.05 level. The largest mean measurements agree with the hypothesis in the category closest to the glacial deposits (1). However the smallest mean


Figure 5-2 Mean and Standard Deviation for all Dacite Artifacts.
measurements exist in category 2 and not in category 3, as predicted. These results do not contribute support to the hypothesis that the availability of dacite was a constraining factor upon the prehistoric stone tool makers when it is measured from the glacial maximum. This suggests that the proxy measure is either not measuring what it was created to do or that all three rank locations are within the contact zone for its availability to be a limiting factor (see Figure 3-1).

The same hypothesis was applied to the data using the alternative way of ranking the data. A site's distance from the coast was used to see if it better explained trends in the data. Figure 5-3 displays the means and standard deviation for the maximum linear dimensions of artifacts throughout the five categories. The means of the groups as a whole are different $(\mathrm{F}=20.41$; d.f. $=4,1906 ; \mathrm{p}<.0005)$ with a similar trend as the previous proxy measure of a gradual decline then small increase with distance. A Bonferroni post hoc t-test shows that both the highest and lowest GLD group means (1 and 3) are primarily driving the ANOVA apart. Rank 1 significantly differs from all the remaining ranks and rank 3 differs from all but rank 4.


Error Bars: 95\% CI
Figure 5-3 Mean and Standard Deviation of all Dacite Artifacts.

Also evident is the decreasing size of the standard deviation throughout the categories. Again, this additional proxy measure cannot confirm the hypothesis that dacite sizes continue to decrease; however, there does appear to be some sort of relationship that is portrayed in both proxy measures. A slight decrease in the variability of size in the assemblages suggests that the original package size of the objective piece was likewise decreasing since an objective piece cannot make a detached piece larger than itself.

Since only modest results were discovered when the MLD was used for the dependant variable, a new variable was created to capture the overall artifact size. The intention of some reduction technologies, such as the production of blades, is to create long, narrow flakes. These types of artifacts would generate a high MLD but may have a low weight and overall volume compared to artifacts with similar MLDs. While blade technology was not recorded in this assemblage, long narrow flakes certainly were. In order to compensate for this, the weight of an artifact was multiplied by the MLD and used as a new dependant variable to see if it better fits
the hypothesis that dacite artifacts should decrease in size as distance from the source increases. When using the glacial maximum proxy, the mean measurements of the group for the new size variable are not the same as a whole ( $\mathrm{F}=3.466$; d.f. $=2,1908 ; \mathrm{p}=.031$ ) (Figure 5-4). A post hoc Bonferroni t-test shows that only ranks 1 and 2 have statistically significant differences in their means with the first rank having the highest mean as predicted. Perhaps the most interesting pattern is the fact that the range in artifact size variability for each rank does decrease with increasing distance similar to the results in Figure 5-3. Decreasing artifact sized range such as this is what would be expected with decreasing objective piece size.


Error Bars: $95 \% \mathrm{Cl}$
Figure 5-4 Mean Weight x MLD for Dacite Artifacts.

Lastly, the new dependant variable of mean MLD multiplied by weight was graphed for distance from the coast. Similar to the previous results, these results show that means of the groups as a whole are different $(\mathrm{F}=4.098$; d.f. $=4,1906 ; \mathrm{p}=.003)$. A post hoc Bonferroni t -test shows again that rank 1 means play the largest role in the significant ANOVA test: its mean is
significantly different that rank 3 and 4 while the remaining ranks have means that could have been drawn from the same population. Figure $5-5$ shows a very noticeable change in both the average size and the range in sizes from sites that are close (1 and 2) to sites that are far (3-4) in accordance with the hypothesis. This suggests that the size of the artifact measured in terms of MLD and weight are better than just MLD at explaining the variation for this hypothesis. Additionally, the proxy for distance from the coast appears to play out only minimally better according to the hypothesis.


Figure 5-5 Mean Weight x MLD for Dacite Artifacts.

It was hypothesized in Chapter 3 that in areas where dacite was not available to collect, that stone tool makers would expand the range of material types they used. In the archaeological assemblages this should be expressed as a decreasing percentage of dacite as distance from the source increase. Table 5-2 presents the results that are exactly opposite of what was predicted. Instead of the amount of dacite decreasing, dacite steadily increases in the assemblages as distance becomes greater in both of the proxy measures. A few points may help to explain these

Table 5-2 Proportion of Dacite in Assemblages.

| Distance <br> from Coast | Dacite <br> Proportion | Distance from <br> Glacial Max | Dacite <br> Proportion |
| :---: | :---: | :---: | :---: |
| 1 | 0.51 | 1 | 0.77 |
| 2 | 0.75 | 2 | 0.92 |
| 3 | 0.94 | 3 | 0.96 |
| 4 | 0.93 |  |  |
| 5 | 0.94 |  |  |

findings as opposite of the hypothesis. Sites that are closer to the source, and therefore generally lower in elevation, may have been occupied for a longer duration, younger in age, and represent more diverse activities. All of these factors have the potential to add more diversity to raw material diversity at a site.

A combination of expectations derived from distance decay concepts paired with proxy measures provided less clear results than what was predicted. As was discussed in Chapter 3, it was predicted that the size of dacite artifacts should decrease in size farther away from where it was procured. While my hypothesis predicted that distance from the coast would explain variation better, the results did not play out in a definitive manner where it became clear that one proxy measure was superior to the other. This suggests that both strategies were being used; that Watts Point dacite was often procured from the beaches, but, more often than initially thought, it was also taken from more inland sources when it was encountered. This sort of inconsistent strategy could create these imprecise results.

Neither proxy measure created definitive results in accordance with the hypothesis that dacite artifacts should get smaller as distance increased. This can be interpreted in a number of ways. First, these results may suggest that there is not a strong correlation between these two variables (size and distance) because the overall effort measured by these proxies is very small
and, accordingly, the graphed change is small. None of the sites used in this study are greater than three days walk from potential sources of dacite. The sites categorized with the highest ranks (either 5 or 3 ) are predominantly located in subalpine settings, which, by definition, are covered in persistent snow pack up to 9 months a year. For that reason, the stone tool makers who created these sites were very mobile because of the short window for access to the areas. Traditional territories of many Peninsula tribes run from the coast, up a major river valley to the crests at its headwaters (see Figure 1.3, Chapter 1). So, when the upper elevations became snowfree, stone tool makers were beginning in an area where dacite was close by. When the time came to expand seasonal territories into a poor lithic landscape, procurement of raw material was likely embedded with other resource-related pursuits in the lowlands. However, as evidenced by a poor relationship between declining size and effort to get to a site, the distance to replenish the resource was likely easy to get to and embedded with a rotation that returned subalpine resources to more permanent camps at lower elevations. The second explanation to this is that the proxy measures themselves do not measure the intended variable so while there may be a change in the data, it is not teased out by the proxies.

### 5.4 Application of LTO Concepts

In order to investigate how the form of a core may have changed from the lower elevations up to the more difficult to access sites, platform types on all dacite artifacts were compared against their proxy measures. Using the proxy measure from the glacial maximum, the platform categories are not equally distributed amongst the groups $\left(X^{2}=20.270\right.$, d.f. $=4$, $p<$ .0005), however the association is very weak (Cramer's V=0.114) (Table 5-3). Again tabulated with the proxy measured from the coastline, the results are very similar showing that platforms
are not equally distributed $\left(X^{2}=35.838\right.$, d.f. $\left.=8, p<.0005\right)$ and a slightly higher, yet still weak, measure of association (Cramer's $\mathrm{V}=.151$ ).

In every group, faceted platforms are the most common platform found on whole and proximal flakes however, there is a fairly strong mix of platforms throughout the sample. Faceted platforms are the result of increased care in platform preparation and often occur during biface reduction (Andrefsky 2005:90; Kooyman 2000:51-53). This suggests that the most

Table 5-3 Frequency and Proportion of Platforms.

| Glacial Maximum Proxy | Cortical | Flat | Faceted | Total N |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 82 (36.6\%) | 70 (28.7\%) | 92 (37.7\%) | 244 |
| 2 | 95 (22.3\%) | 104 (24.4\%) | 227 (53.3\%) | 426 |
| 3 | 41 (35.3\%) | 27 (23.3\%) | 48 (41.4\%) | 116 |
| Total N | 218 | 201 | 367 | 786 |
| $X^{2}=20.270$, d.f. $=8, \mathrm{p}<.0005$, Cramer's V $=0.114$ |  |  |  |  |
| Coast Proxy | Cortical | Flat | Faceted | Total N |
| 1 | 17 (45.9\%) | 3 (8.1\%) | 17 (45.9\%) | 37 |
| 2 | 18 (20.9\%) | 31 (36.0\%) | 37 (43.0\%) | 86 |
| 3 | 55 (27.8\%) | 40 (20.2\%) | 103 (52.0\%) | 198 |
| 4 | 51 (20.2\%) | 68 (27.0\%) | 133 (52.8\%) | 252 |
| 5 | 77 (36.2\%) | 56 (26.3\%) | 77 (36.2\%) | 213 |
| Total N | 218 | 201 | 367 | 786 |
| $\mathrm{X}^{2}=35.838$, d.f. $=8, \mathrm{p}<.0005$ | Cramer's V = |  |  |  |

Percent of platform type given in parentheses
common type of objective piece may have been a biface. A biface could have been used as a multi-function tool for people traveling into areas where future tasks are not anticipated and quality raw materials are less common (Kelly 1988). Bifaces could have occurred as a core to produce flakes for expedient tools or as a finished tool itself. Flat platforms are typically associated with uni-directional cores but can also be created from multi-directional cores during initial stages of reduction (Kooyman 2000:53). Because cortex is generally regarded as an
undesirable portion of the objective piece, it is typically removed during early stages of reduction. Having said this, experimental studies have found that that cortex and cortical platforms can remain well into the reduction sequence (Odell 1989a; Tonka 1989). Taken altogether, the slight preference of faceted platforms suggests that bifaces were carried with the stone tool maker, however, there does appear to be mixed strategies found at all locations on the Peninsula.

To continue investigating whether the prehistoric stone tool makers carried bifaces with them as a core to produce flake tools as the need arises, I now look into the nature of isolates. If flake tools are created from a bifacial core as the need arises, then isolated artifacts should be dominated by expediently made informal flake tools with faceted platforms. The sample consists of 17 isolates all of which are dacite. The tool to debitage ratio of this sample is $10: 7$, which is significantly higher than the ratio for the entire lithic assemblage at 63:377 (Figure 5-6). Of


Figure 5-6 Artifact Proportions in Isolates and the Remaining Assemblage.
these artifacts, only 2 of the 6 reported platforms are faceted and, surprisingly, 3 are cortical. A closer look at the isolated tools shows that 6 are bifaces, which includes 3 broken hafted bifaces. These likely represent artifacts lost or discarded as stone tool makers traveled through the landscape. These results do not support the hypothesis that bifaces were carried as a source for flake tools however, it does support the idea that multiple strategies were practiced. Again, very low frequencies are far from illuminating a pattern and only minimally insightful.

The amount of dorsal cortex is frequently used as an indicator of the amount of reduction a lithic assemblage has gone through. This idea rests in the overly simplistic suggestion that the outer surfaces containing cortex will be removed before the inner surfaces. Thus, assemblages with less cortex are those that have gone through more extensive core reduction. Some argue that factors such as reduction technology, transport, package size, and reduction intensity need to be considered in order to understand the complex relationship (Dibble et al. 2005). Odell (1989b) found that measuring dorsal cortex is only helpful in determining the beginning and ending stages of reduction from each other. Alternatively, Marwick (2008) found a significant positive correlation between percentage of flake dorsal cortex and the extent of cobble reduction. While clearly there is much to learn about the relationship between cortex and reduction intensity, it is agreed upon that its measurement is still a useful heuristic tool.

Acting on the assumption that dorsal cortex does decrease with intensity of use, it is and obsidian while materials represented in various bedrock sources include meta-sediment, quartzite, quartz crystal, and sandstone. The results show that the observed frequencies are not hypothesized that more desirable or higher quality raw material types not available in bedrock sources will have lesser amounts of cortex. These more desirable materials include dacite, CCS, from chance $\left(X^{2}=97.177\right.$, d.f. $\left.=3, \mathrm{p}<.0005\right)($ Table 5-4). Additionally, there is a strong
possibility that the relationship exists (Cramer's $\mathrm{V}=0.330$ ) between less cortex on more desirable materials and more cortex on bedrock available materials. Drawing from Marwick (2008), the hypothesis is supported in that dacite and other favored material types were being used more intensely.

Table 5-4 Frequency and Proportion of Cortex on Proximal and Whole Flakes.

| Material Type | No Cortex | $\mathbf{1 - 5 0 \%}$ | $\mathbf{5 0 - 9 9 \%}$ | All <br> Cortex | Total N |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Dacite, CCS, Obsidian | 603 | 152 | 40 | $15(1.9 \%)$ | 810 |
| Meta Sediment, Quartzite, $(74.4 \%)$ $(18.8 \%)$ | $(4.9 \%)$ | 19 | 81 |  |  |
| Quartz Crystal, Sandstone | $44.3 \%)$ | $11(13.6 \%)$ | $7(8.6 \%)$ | $(23.5 \%)$ | 81 |
| Total N | 647 | 163 | 47 | 34 | 891 |

$X^{2}=97.177$, d.f. $=3, p<.0005$, Cramer's $V=0.330$
Percent of material type given in parentheses

As another indicator of intensity of material use similar to measuring dorsal cortex, complex dorsal surfaces are often used as a proxy to suggest greater intensity of use. The number of dorsal flake scars on artifacts has been found to be positively correlated with intensity of use (Marwick 2008). However, considering Mauldin and Amick's (1989) findings that larger flakes tend to have more flake scars Marwick (2008) finds that correlation to flake mass is stronger than to intensity of use. With an experimental collection, Odell (1989b) found that more flake scars are associated with the middle and not the end of a reduction process, as assumed by most. While this measure of use intensity is less reliable than dorsal cortex amounts, its results will still be considered.

To test the assumption that higher dorsal flake scar counts and, therefore, later stages of reduction occur in areas that require more effort to get to, observations were compared to

Table 5-5 Dorsal Flake Scar Complexity.

| Glacial Maximum Proxy | 1 Flake Scar | 2 Flake Scars | 3+ Flake Scars | Total N |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 53 (31.2\%) | 92 (28.8\%) | 95 (34.1\%) | 245 |
| 2 | 95 (55.9\%) | 166 (51.9\%) | 156 (55.9\%) | 428 |
| 3 | 22 (12.9\%) | 62 (19.4\%) | 28 (10.0\%) | 117 |
| Total $\mathbf{N}$ | 170 | 320 | 279 | 790 |
| $X^{2}=11.221$, d.f. $=4, \mathrm{p}=0.024$, Cramer's V $=0.085$ |  |  |  |  |
| Coast Proxy | 1 Flake Scar | 2 Flake Scars | 3+ Flake Scars | Total N |
| 1 | 7 (4.1\%) | 18 (5.6\%) | 10 (3.6\%) | 35 |
| 2 | 15 (8.8\%) | 30 (9.4\%) | 41 (14.7\%) | 86 |
| 3 | 39 (22.9\%) | 77 (24.1\%) | 79 (28.3\%) | 195 |
| 4 | 51 (30.0\%) | 103 (32.2\%) | 92 (33.0\%) | 246 |
| 5 | 58 (34.1\%) | 92 (28.8\%) | 57 (26.9\%) | 207 |
| Total N | 170 | 320 | 279 | 769 |
| $X^{2}=16.213$, d.f. $=8, p=0.039$, Cramer's V $=0.103$ |  |  |  |  |

Percent of material type given in parentheses
expectations. Flake scars were counted for all whole and proximal dacite flakes, disregarding the small incidental scars typically found around the margins and eliminating 0 scar counts due to low frequencies. For both proxy measures, the distribution amongst groups is inconsistent the with frequencies expected by chance $\left(X^{2}=11.221,16.213 ;\right.$ d.f. $\left.=4,8 ; p=0.024,0.039\right)$, however, measures of association are weak (Cramer's $\mathrm{V}=0.085,0.103$ ) which negates the significance of the findings (Table 5-5). These results suggest that there is not a trend for increasing dorsal complexity, which either corroborates Odell's (1989b) findings that this may not be a useful tool or simply that many stages of reduction are represented amongst these groups.

Quality and abundance of raw material types plays a large role in determining the types of tools made from a material (Andrefsky 1994). The best quality, most adaptable and most abundant raw material type on the Olympic Peninsula is dacite; however, it is far from the perfect material. While it has a cryptocrystalline groundmass, this particular dacite is vitrophyric; or porphyritic with large phenocrysts. Different qualities of dacite have been
observed in artifacts, secondary sources and at the primary source which are generally dictated by the size and abundance of phenocrysts and phorphyry. These irregularities in composition make cobble reduction less predictable. Overall, Watts Point dacite can range from average to above average in quality of material.

In Chapter 4, it was found that Watts Point dacite is fairly abundant, but only in areas overridden by glaciers during the last ice age. However, lithic scatters are found throughout the Olympic Peninsula in areas where dacite does not exist. While Andrefsky (1994) deals with raw material quality on a dichotomous basis of either 'high' quality or 'low' quality, I would consider Watts Point dacite to be in the middle, of 'moderate' quality. Having said this, the abundance of dacite does change across the landscape, which allows for the basis of a prediction of kinds of tools produced. I hypothesize that formal tool frequency will increase at the expense of informal tools as increasing energy is spent traveling to a location and away from a raw material source. Informal tools include utilized flakes, retouched flakes, and informal cores while formal tools include scrapers, bifaces, hafted bifaces, and a single formal core.

While all previous analyses using both proxy measures have generally followed similar trends, this is the first to have contradictory results (Figure 5-7). The proxy measuring effort required when collecting dacite from the coast produced results showing a sharp rise then decline of formal tools, opposite of what was hypothesized. On the other hand, measuring effort from the glacial maximum, an increase in formal tool frequency was found corresponding to the hypothesis. Additionally, this is the first time that the glacial maximum proxy has explained the assemblage characteristics according to the hypothesis better than the other proxy. Having said this, the distribution amongst these groups in both proxy measures is consistent with frequencies expected by chance $\left(X^{2}=1.525,2.113 ;\right.$ d.f. $\left.=4,2 ; p=0.822,0.348\right)$. Consequently, it does not


Figure 5-7 Ratios of Formal and Informal Dacite Tools.
appear that significant changes in formal tool frequencies occur further away from the source. This result paired with high overall frequencies of informal tools dominating the dacite assemblages is consistent of the "low" quality materials, whether its abundance is "high" or "low" (Andrefsky 1994:30).

Initial stages of core reduction are thought to contain different relative proportions of debitage types. This is true when it comes to the increased proportion and size of shatter (Burtchard 1998:206; Kooyman 2000:54) which, when a byproduct of bifacial reduction is often thought to be an inadvertent result and can be exacerbated by poorly homogenous materials with less predictable breakage patterns (Andrefsky 2005:12). Increased shatter should co-occur with high cortex proportions, larger metric dimensions and negatively with dorsal complexity. On the other hand, a bipolar reduction strategy, which may be preferred when package sizes are small or when increased economy of material is needed (Andrefsky 1994; Morrow 1997), has also been found to be associated with large frequencies of shatter (Kuijt et al. 1995). Contradictory to the
previous findings, it has also been found that the low skill of novice flint knappers create higher shatter frequencies regardless of reduction strategy or material type (Milne 2005; Shelley 1990:191).

It is predicted that initial stages of reduction of dacite were taking place closer to where it was procured and, therefore, increased shatter ratios should be found in lower ranks. Converse to that, later stages of reduction, and with it smaller proportions of shatter, should be found in areas that are harder to get to. Taking into consideration Kuijt and colleagues' (1995) findings that bipolar reduction creates large amounts of shatter, it was found that only $1 \%$ of the total assemblage used in this analysis was identified as the result of bipolar reduction. This is probably an under-estimation of all bipolarly generated debitage, however, it still remains a very small proportion of the whole. A ratio of shatter count in each group, divided by assemblage count for each group, then multiplied by 1000 , was used as an index. Only dacite artifacts were used for this analysis because of the very small sample sizes for shatter in the remaining material types. Ratios were plotted for both effort-related proxy measures on the same line graph because they represent the same overall degree of effort used but with different division.

Like many of the previous analyses, there are mixed results from what was predicted. The proxy measuring distance from the coast records diminishing ratios as predicted for the first four groups but spikes back up to the second highest ratio in the last group (Figure 5-8). Likewise, while less obvious than the first proxy, the second proxy takes a small decline in its shatter ratio, then returns to its previous level at the greatest distance remaining fairly unchanged overall. In total, angular shatter only makes up $8 \%$ of all dacite artifacts, and excluding obsidian, has the lowest overall shatter observed of any material type. These results suggest that, generally speaking, the decrease in shatter demonstrates that more initial processing was occurring in areas


Figure 5-8 Change of Dacite Shatter in Both Proxy Measures.
closer to the source. However, because both values rebound in the final group, this assemblage may support critics' findings that shatter may not be a good indicator of early reduction stages.

## CHAPTER SIX

## SUMMARY AND CONCLUSIONS

The results of this thesis have helped substantiate, through two complementary means, that dacite was readily available to the stone tool makers on the northern Olympic Peninsula. While many archaeologists working in the area have suspected this was the case strictly through good field observations (Conca 2000; Kenady 1973; King 1950; Kornbacher 1992:168-169; Morgan et al. 1999:C4; Schalk 1988:158; Wessen 1993), this is the first body of work to demonstrate this point through a XRF study.

The purpose of Chapter 4 was to address questions related to the geochemical signature of Watts Point dacite. A simple random sample of dacite artifacts in the collection facility at Olympic National Park found that $91 \%$ of the sampled artifacts were indistinguishable from the Watts Point dacite source. The knowledge that a single rock type was the main constituent in the chipped stone assemblage allows for questions pertaining to the provenience of this material to be applicable. Geologic samples of other Garibaldi belt dacites found through a combination of geochemical and macroscopic indicators, that Watts Point dacite was unique in character. Finally, to investigate the suspicion into whether dacite cobbles were available as a secondary source, 234 cobbles were collected from glacial deposits and sampled. XRF results found that the toolstone preferred by the Peninsula's inhabitants was available as a secondary source in the glacial deposits on the Olympic Peninsula.

These findings have significance outside of the Olympic Peninsula into greater western Washington and southwestern Canada. While it is documented that Watts Point dacite is found
on the Olympic Peninsula, it is suspected that the same raw material is likewise available in glacial deposits throughout the Puget Sound and Gulf of Georgia regions. Limited sampling by the author of secondary geologic sources outside of this study area found that Watts Point dacite also occurs at Beach Grove in Canada and in the San Juan Islands. Similarly, Bakewell (2005) found unmodified beach cobbles of Watts Point dacite at Cypress Island, Lake Cushman, and in the San Juan Islands. As stated previously, he argued that these occurrences were manuports instead of glacially transported, a notion that now seems unlikely.

Through the work of others, it is known that Watts Point dacite occurs in chipped stone assemblages outside of this study area. In his analysis, Bakewell (1990b) found that this same raw material occurs in archaeological sites at British Camp, Montague Harbor, Glenrose Cannery, Rosario Beach, Coronet Bay and the Skagit River delta. All of the artifacts he sampled had been incorrectly field classified as basalt rather than dacite. This suggests that the large scale use of basalt in western Washington archaeological sites may perhaps be a large scale use of Watts Point dacite instead. Further sourcing studies into the extent to which Watts Point dacite occurs in western Washington chipped stone assemblages will help aid in the foundational understanding of northwest coast peoples' technological organization.

In chapter five, analysis of chipped stone artifacts from various sites throughout the Olympic Peninsula helped support the hypothesis that local secondary sources of Watts Point dacite were used instead of primary sources in British Columbia. A proxy measure was created in an attempt to sort sites by the effort it would take to reach that location from the nearest place that dacite could have been procured from. Two measures were created; one that measured effort from the coast and one that measured effort from the glacial maximum, to see if one measure explained the variation in observations better than the other.

Using distance decay concepts, a raw material type should show a regular decline in size measurements such as weight, width and length as it is found further from its source. While many size measurements were tried, only the MLD and the size (MLD x weight) of dacite artifacts showed a small decline in size when measured from the coast. What is most notable is that when the mean size measurements were graphed there is the lack of a clear trend. Dacite artifact sizes do not drastically decrease as one might expect if this raw material was brought over 100 miles from its primary source. The lack of trend is more similar to what would be expected if the raw material was easy to access. This result helps support the hypothesis that Watts Point dacite was collected as a secondary source on the Olympic Peninsula.

Correspondingly, various artifact attributes were analyzed in order to gain insight as to how prehistoric peoples were organized with respect to their lithic resources. Faceted platforms were the most common type of platform observed which suggests that bifaces may have been carried by the stone tool makers. Cortical and flat platforms were also very common which implies there was not a strong preference for a particular objective piece. If bifaces were carried as multifunction tools then isolated artifacts should be utilized flakes with faceted platforms. This was not found to be the case. However, isolated artifacts had a much higher tool to debitage ratio than what was found in the sample population. While there was a slight increase in the occurrence of faceted platforms within the proxy measures, there is again not much of a directional trend as would be expected for people who were constrained by the availability of their main lithic material.

In gauging the intensity of use amongst raw materials, those materials that are more highly desired should show increased intensity while those that are less desired will show less intense use. It was found that as an indicator of use intensity, less cortex was found on dacite,

CCS and obsidian as compared to sandstone, meta-sediment and quartzite indicating that these materials were used in different ways. Likewise, dorsal flake scar counts should increase on dacite if it was difficult to obtain as effort to reach a site increases. This was found not to not hold true again suggesting that little pressure was placed upon the stone tool makers in renewing their resource.

To assess perceived quality and abundance of raw materials, changes in tool formality were analyzed. It is hypothesized that formal tools will increase as a site becomes more difficult to access from the sources of dacite. The distribution of different tools amongst the proxy measures was explained by chance. This result, in combination with high frequencies of informal tools in the assemblages, is similar to what is expected with a low quality raw material regardless of its abundance (Andrefsky 1994).

In attempting to determine where initial stages of reduction took place, the relative proportions of shatter was compared. While a small decline in its proportion was found in the proxy measuring from the coast, there was not a clear directional trend as was hypothesized which may support the idea that shatter proportions are not a good indicator of stage of reduction.

Two proxy measures, rather than one, were created to measure the distance between the sites where dacite was found and its place of procurement. Unlike many major raw material outcrops which are fairly restricted, Watts Point dacite may potentially be found for hundreds of square miles along the Olympic Peninsula. These proxy measures represented the possibility of collecting the raw material from two extremes: in all glacially overridden land and only along the perimeter (i.e. the coast). It was hoped that the comparison of this data would favor one of these extremes and help narrow down the large area where dacite may be found. However, results
where both proxies were used did not show that one or the other was remarkably better. As stated earlier, this suggests that people were collecting dacite where ever they could find it whether it was from an elk trail, a river cut, or from the coasts. Additionally, these results can be interpreted to suggest that the distance to renew dacite, even from some of the most remote places on the Olympic Peninsula, were not very great for the stone tool maker. Future research that has a better hold of temporal factors than are understood in this thesis may be able tease out stronger patterns.

Overall it appears as though Olympic Peninsula peoples were practicing mixed strategies whether that relates to where they were collecting dacite from or what type of objective piece they carried with them. One thing that was consistent was their continual use of Watts Point dacite for the last 12,000 years. It was abundant, and while not available in every location, it was the preferred material type over other satisfactory raw materials. Research from this thesis helps to create a foundation for further, more detailed, raw material characterization studies on the Olympic Peninsula and on the greater Northwest Coast.

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## APPENDIX A

Radio Carbon Dates from the Olympic Peninsula*

| SITE NAME | TRINOMIAL |  | DATE | CITATION |
| :---: | :---: | :---: | :---: | :---: |
| Tongue Point | 45-CA-16 | SI4362 | 2385+/-50 | Wessen, In Schalk 1988 |
| Tongue Point | 45-CA-16 | SI4363 | $2565+/-70$ | Wessen, In Schalk 1988 |
| Tongue Point | 45-CA-16 | SI4364 | 2220+/-55 | Wessen, In Schalk 1988 |
| Hoko Rock Shelter | 45-CA-21 |  | 225 | Croes, in Schalk 1988 |
| Hoko Rock Shelter | 45-CA-21 |  | 720 | Croes, in Schalk 1988 |
| Hoko Rock Shelter | 45-CA-21 |  | 810 | Croes, in Schalk 1988 |
| Hoko Rock Shelter | 45-CA-21 |  | 920 | Croes, in Schalk 1988 |
| Hoko Rock Shelter | 45-CA-21 |  | 185 | Croes, in Schalk 1988 |
| Neah Bay | 45-CA-22 | SU1607 | modern | Friedman 1976 |
| Neah Bay | 45-CA-22 | WSU1608 | modern | Friedman 1976 |
| Ozette Village | 45-CA-24 | WSU1123 | 2010+/-190 | Gleeson 1980 |
| Ozette Village | 45-CA-24 | WSU1778 | $440+/-90$ | Gleeson 1980 |
| Ozette Village | 45-CA-24 | WSU1865 | 790+/-80 | Gleeson 1980 |
| Ozette A75 | 45-CA-24 A75 | WSU1609 | $440+/-65$ | Friedman 1976 |
| Ozette A75 | 45-CA-24 A75 | WSU1610 | $710+/-65$ | Friedman 1976 |
| Sooes | 45-CA-25 | WSU1611 | 980+/-60 | Friedman 1976 |
| Sooes | 45-CA-25 | WSU1612 | $1110+/-60$ | Friedman 1976 |
| Cedar Creek | 45-CA-29 | Beta154927 | 190+/-60 | NPS |
| Cedar Creek | 45-CA-29 | Beta154928 | $350+/-50$ | NPS |
| Cedar Creek | 45-CA-29 |  | $1120+/-70$ | NPS |
| White Rock | 45-CA-30 |  | 387+/-42 | Guinn 1963 |
| Chilean Memorial | 45-CA-32 | Beta172646 | 1160+/-40 | NPS |
| Chilean Memorial | 45-CA-32 | Beta172647 | $870+/-50$ | NPS |
| Chilean Memorial | 45-CA-32 | Beta172648 | $800+/-50$ | NPS |
| Chilean Memorial | 45-CA-32 | Beta172649 | $1050+/-100$ | NPS |
| Chilean Memorial | 45-CA-32 | Beta159029 | $680+/-70$ | NPS |
| Chilean Memorial | 45-CA-32 | Beta159030 | 680+/-70 | NPS |
| Sand Point | 45-CA-201 | SI4366 | $2270+/-75$ | Wessen 1993 |
| Sand Point | 45-CA-201 | SI4367 | $1600+/-75$ | Wessen 1993 |
| Warmhouse | 45-CA-204 | WSU1603 | 200+/-60 | Friedman 1976 |
| Achawat | 45-CA-206 | WSU1604 | 150+/-60 | Friedman 1976 |
| Tatoosh | 45-CA-207 | WSU1606 | 960+/-60 | Friedman 1976 |
| Hoko River Wet site | 45-CA-213 | WSU1443 | $2750+/-90$ | Flenniken 1981 |
| Hoko River Wet site | 45-CA-213 | WSU1442 | $2210+/-70$ | Flenniken 1981 |
| Hoko River Wet site | 45-CA-213 | WSU2200 | $2750+/-90$ | Flenniken 1981 |
| Hoko River Wet site | 45-CA-213 | WSU2014 | $2530+/-60$ | Flenniken 1981 |
| Hoko River Wet site | 45-CA-213 | WSU2015 | 2610+/-100 | Flenniken 1981 |
| Hoko River Wet site | 45-CA-213 | WSU2201 | $2570+/-70$ | Flenniken 1981 |
| Hoko River Wet site | 45-CA-213 | WSU2016 | $2580+/-80$ | Flenniken 1981 |
| Pitship point | 45-CA-214 |  | $2200+/-75$ | Kennedy and Thomas 1977 |
| Pitship point | 45-CA-214 |  | $390+/-50$ | Wessen |
| Pitship point | 45-CA-214 |  | $570+/-70$ |  |


| Manis Mastodon site | 45-CA-218 | WSU1866 | $12000+/-310$ | Gustafson et al. 1979 |
| :---: | :---: | :---: | :---: | :---: |
| Manis Mastodon site | 45-CA-218 | WSU1867 | $12100+/-310$ | Petersen et al. 1983 |
| Manis Mastodon site | 45-CA-218 | WSU2208 | $11000+/-150$ | Petersen et al. 1983 |
| Manis Mastodon site | 45-CA-218 | WSU2210 | 8920+/-100 | Petersen et al. 1983 |
| Manis Mastodon site | 45-CA-218 | WSU2211 | 11560+/-160 | Petersen et al. 1983 |
| Manis Mastodon site | 45-CA-218 | USGS591 | $11850+/-60$ | Gustafson et al. 1979 |
| Washington Harbor | 45-CA-227 |  | $650+/-75$ | Onat and Larson 1984 |
| Norwegian Memorial | 45-CA-252 |  | 1070+/-50 | Wessen/NPS |
| Obstruction Point Basket | 45-CA-270 | Beta132680 | 2880+/-70 | NPS |
| Seven Lakes Hearth | 45-CA-274 | WSU2874 | $4990+/-60^{* *}$ | Bergland 1983 |
| Hurricane Z | 45-CA-302 | Beta276525 | $7950+/-50^{+}$ | NPS |
| Waatch River site | 45-CA-400 |  | 4000 | Wessen |
| North Sand Point | 45-CA-423 |  | $730+/-50$ | Wessen |
| North Sand Point | 45-CA-423 |  | 650+/-60 | Wessen |
| Sequim Bypass | 45-CA-426 | Beta107616 | 4960+/-50 *** | Morgan et al. 1999 |
| Log Cabin Creek | 45-CA-485 | Beta153935 | 1,930+/-70 | NPS |
| Happy Birthday Site | 45-CA-487 | Beta276526 | $1740+/-40^{+}$ | NPS |
| Minard | 45-GH-218 |  | 1080+/-110 | Roll 1974 |
| Minard | 45-GH-218 |  | 980+/-95 | Roll 1974 |
| Minard | 45-GH-218 |  | 865+/-95 | Roll 1974 |
| Strawberry Point | 45-JE-08 |  | $160+/-60$ | Wessen/NPS |
| Strawberry Point | 45-JE-08 |  | $100+/-50$ | Wessen/NPS |
| Toleak Point | 45-JE-09 | SI4365 | 995+/-60 |  |
| Seal Rock | 45-JE-15 |  | 750 +/-65 | Wessen |
| Seal Rock | 45-JE-15 |  | 410 +/-80 | Wessen |
| Seal Rock | 45-JE-15 |  | $540+/-70$ | Wessen |
| Shelter Rock | 45-JE-216 | Beta132678 | $360+/-40$ | NPS |
| Shelter Rock | 45-JE-216 | Beta132679 | 260+/-80 | NPS |
| Shelter Rock | 45-JE-216 | Beta146149 | $1700+/-70$ | NPS |
| Skokomish Reserve | 45-MS-51 | UW482 | $1470+/-55$ | Kennedy 1979 |
| Skokomish Reserve | 45-MS-51 | UW487 | 1545+/-65 | Kennedy 1979 |
| Skokomish Reserve | 45-MS-51 | UW485 | 1555+/-60 | Kennedy 1979 |
| Skokomish Reserve | 45-MS-53 | UW250 | 565+/-90 | Munsell 1972 |
| Skokomish Reserve | 45-MS-53 | UW486 | 1180+/-65 | Kennedy 1979 |
| Skokomish Reserve | 45-MS-53 | UW483 | 1745+/-45 | Kennedy 1979 |
| Skokomish Reserve | 45-MS-56 | UW484 | Modern | Kennedy 1979 |
| Hoko River Dry Site |  | WSU2202 | 2770+/-90 |  |
| Hoko River Dry Site |  | WSU2203 | $2520+/-90$ |  |
| Camp downriver from Hoko |  | WSU2652 | $1700+/-65$ |  |
| LaPush Village |  | UW351 | $550+/-75$ | Duncan 1981 |
| LaPush Village |  | UW350 | 590+/-75 | Duncan 1981 |
| LaPush Village |  | UW352 | 470+/-90 | Duncan 1981 |
| LaPush Village |  | UW353 | 765+/-75 | Duncan 1981 |


| Indian Island |  | WSU1591 | $950+/-65$ | Onat 1976 |
| ---: | :---: | :---: | :---: | :---: |
| Indian Island |  | WSU1592 | modern | Onat 1976 |
| Indian Island |  | WSU1593 | $270+/-60$ | Onat 1976 |
| Indian Island |  | WSU1594 | $315+/-60$ | Onat 1976 |
| Indian Island |  | WSU1595 | $90+/-60$ | Onat 1976 |
| Slab Camp | None | WSU3881 | $1870+/-90$ | Gallison 1994 |
| Slab Camp | None | WSU3882 | $1420+/-130$ | Gallison 1994 |
| Slab Camp | None | WSU3889 | $6400+/-90$ | Gallison 1994 |

*Updated list from Schalk 1988, Appendix B. Sites in bold are new and shaded boxes are sites use in this study.
** Original charcoal sample collected by archaeologist was misplaced by a volunteer. Volunteer returned to site and collected a second sample. This date comes from the second sample.
***Oldest date for this site.
${ }^{+}$Date from buried soil horizon with associated artifacts.

## APPENDIX B

Description of Secondary Dacite Cobbles

| $\#$ | Individually assigned number |
| :--- | :--- |
| Other Des | Other Designation: Previously assigned number/letter |
| Lot | What 30 minute collection lot it was collected in, if any |
| Location | Descriptive location |
| UTM E | UTM Easting |
| UTM N | UTM Northing |
| Physical | Degree of physical weathering on cortex- 0: None 1: light, 2: medium, 3: <br> heavy |
| Chemical | Degree of chemical weathering on cortex- 0: None1: light, 2: medium, 3: <br> heavy |
| Shape | Cobble Shape: Round, Subrounded, Subangular, angular |
| Max <br> Length | Maximum linear dimension in mm |
| Weight | Weight in grams |


| \# | Other Des. | Lot | Location | Environment | UTM E | UTM N | Physical | Chemical | Shape | $\begin{gathered} \text { Max } \\ \text { Length } \\ \text { mm } \\ \hline \end{gathered}$ | Weight (g) | XRF <br> Source | Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | a |  | $\begin{gathered} \hline \hline \text { Taylor } \\ \text { Cutoff Rd } \\ \hline \end{gathered}$ | River | 488403 | 5323381 | 2 | 1 | Subangular | 114.66 |  | Watts Point | * |
| 2 | b | . | $\begin{gathered} \text { Taylor } \\ \text { Cutoff Rd } \\ \hline \end{gathered}$ | River | 488403 | 5323381 | 2 | 1 | Subrounded | 58.42 | 133.3 | Watts Point | * |
| 3 | c | . | $\begin{gathered} \text { Taylor } \\ \text { Cutoff Rd } \\ \hline \end{gathered}$ | River | 488403 | 5323381 | 2 | 2 | Subangular | 82.01 | 166 | Watts Point | * |
| 4 | d |  | $\begin{gathered} \text { Taylor } \\ \text { Cutoff Rd } \\ \hline \end{gathered}$ | River | 488403 | 5323381 | 2 | 1 | Subrounded | 82.72 | 344.4 | Watts Point | *light green phenocrysts |
| 5 | e |  | $\begin{gathered} \text { Taylor } \\ \text { Cutoff Rd } \end{gathered}$ | River | 488403 | 5323381 | 2 | 1 | Subangular | 97.14 | 304 | Watts Point | $\begin{gathered} \text { * heavy } \\ \text { quartzite } \\ \text { phenocrysts } \end{gathered}$ |
| 6 |  | . | White Rock Beach | Beach | 372247 | 5333685 | 2 | 0 | Subrounded | 73.23 | 175.3 | uk | * |
| 7 | g | . | $\begin{gathered} \text { Taylor } \\ \text { Cutoff Rd } \\ \hline \end{gathered}$ | River | 488403 | 5323381 | 2 | 2 | subangular | 80.49 | 277.5 | Watts Point | * |
| 8 | h | . | Beach <br> Grove, BC | Beach | 496091 | 5431122 | 1 | 1 | Subangular | 88.68 | 277 | Watts Point | *Vessicular, light Quartzite Phenocrysts |
| 9 | i | . | Sand Point Beach | Beach | 372918 | 5332429 | 2 | 0 | Subrounded | 66.92 | 202.4 | uk | * |
| 10 | . |  | $\begin{gathered} \text { Elwha } \\ \text { River } \\ \text { Mouth, W } \end{gathered}$ | River | 457667 | 5332760 | 2 | 2 | Subangular | 90.59 | 300.5 |  |  |
| 11 | Y |  | Elwha River Mouth, W | River | 457667 | 5332760 | 3 | 2 | Subangular | 79.5 | 248.2 | Watts Point |  |
| 12 | Y | . | $\begin{gathered} \text { Elwha } \\ \text { River } \\ \text { Mouth, W } \end{gathered}$ | River | 457667 | 5332760 | 2 | 2 | Subangular | 115.19 | 530.6 | uk | ? |
| 13 |  |  | Elwha River Mouth, W | River | 457667 | 5332760 | 2 | 2 | Subangular | 70.15 | 216.7 |  | ? |
| 14 | Y |  | $\begin{gathered} \text { Elwha } \\ \text { River } \\ \text { Mouth, W } \end{gathered}$ | River | 457667 | 5332760 | 2 | 0 | Subrounded | 128.44 |  | Watts Point |  |
| 15 | . |  | Elwha River Mouth, W | River | 457667 | 5332760 | 3 | 1 | Subangular | 145.81 |  |  |  |
| 16 | . | A | $\begin{aligned} & \text { West Twin } \\ & \text { Creek, W } \end{aligned}$ | Beach | 429073 | 5335113 | 2 | 1 | Subangular | 82.96 | 246.9 |  | quartzite phenocrysts |
| 17 | Y | A | $\begin{aligned} & \text { West Twin } \\ & \text { Creek, W } \end{aligned}$ | Beach | 429073 | 5335113 | 2 | 1 | Subrounded | 78.59 | 335.4 | Watts Point |  |
| 18 | Y | A | West Twin Creek, W | Beach | 429073 | 5335113 | 2 | 1 | Subangular | 45.89 | 69.4 | Watts Point |  |
| 19 | . | A | $\begin{aligned} & \text { West Twin } \\ & \text { Creek, W } \end{aligned}$ | Beach | 429073 | 5335113 | 2 | 1 | Subrounded | 48.63 | 63 |  |  |
| 20 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 2 | 0 | Subangular | 30.85 | 16.2 |  |  |
| 21 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 1 | 0 | Subangular | 47.23 | 71.1 |  |  |
| 22 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 1 | 1 | Subrounded | 39.38 | 27.6 |  | vessicular |
| 23 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 1 | 1 | Subangular | 51.66 | 47 |  | light Quartzite Phenocrysts |
| 24 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 2 | 1 | Subrounded | 41.12 | 43.7 |  | lighly vessicular |
| 25 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 2 | 1 | Subrounded | 76.83 | 185.3 |  |  |
| 26 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 3 | 1 | Rounded | 66.8 | 162 |  |  |
| 27 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 2 | 1 | Subrounded | 32.55 | 12.3 |  | lighly vessicular |
| 28 |  | A | $\begin{aligned} & \text { West Twin } \\ & \text { Creek, W } \\ & \hline \end{aligned}$ | Beach | 429073 | 5335113 | 1 | 1 | Rounded | 29.67 | 15.2 |  | lighly vessicular |
| 29 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 1 | 1 | Subangular | 66.84 | 122.5 |  |  |
| 30 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 1 | 1 | Subrounded | 57.69 | 108.9 |  | Vessicular, light Quartzite Phenocrysts |
| 31 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 2 | 1 | Rounded | 52.89 | 79.6 |  | ? Vessicular |
| 32 | Y | A | West Twin Creek, W | Beach | 429073 | 5335113 | 2 | 1 | Rounded | 43.06 | 69 | Watts Point | ? Vessicular |
| 33 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 3 | 1 | Subrounded | 49.82 | 59.5 |  |  |
| 34 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 2 | 1 | Rounded | 61.99 | 17.1 |  |  |
| 35 |  | A | West Twin Creek, W | Beach | 429073 | 5335113 | 2 | 0 | Subangular | 122.8 |  |  |  |
| 36 |  | B | Rassmussen Creek | Beach | 389526 | 5354127 | 2 | 1 | Subangular | 50.75 | 47.3 |  |  |
| 37 |  | B | Rassmussen Creek | Beach | 389526 | 5354127 | 2 | 1 | Subrounded | 38.37 | 33.9 |  |  |
| 38 |  | B | Rassmussen | Beach | 389526 | 5354127 | 2 | 0 | Rounded | 46.93 | 61.7 |  |  |


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| 89 | Y | C? | Hwy 112 | Beach | 424457 | 5335835 | 2 | 1 | Subangular | 66.6 | 77.3 | Watts Point | vessicular |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 90 |  | D | Ferry House | Beach | 521615 | 5337739 | 3 | 1 | Rounded | 60.04 | 177.6 |  |  |
| 91 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 83.6 | 399.1 |  |  |
| 92 | Discard | D | Ferry House | Beach | 521615 | 5337739 | 2 | 2 | Rounded | 74.93 | 337.4 |  |  |
| 93 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 0 | Rounded | 82.28 | 403.5 |  |  |
| 94 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 2 | Subrounded | 74.86 | 257.2 |  | light Quartzite Phenocrysts |
| 95 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 84.97 | 290.5 |  | light Quartzite Phenocrysts |
| 96 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 2 | Subrounded | 68.39 | 190.4 |  | light Quartzite Phenocrysts |
| 97 | Y | D | Ferry House | Beach | 521615 | 5337739 | 3 | 1 | Subrounded | 60.82 | 184.9 | UK |  |
| 98 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 71 | 237.4 |  |  |
| 99 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 68.69 | 211.3 |  |  |
| 100 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 67.11 | 200.1 |  | light Quartzite Phenocrysts |
| 101 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 2 | Rounded | 90.88 | 567.1 |  | quartzite phenocrysts |
| 102 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Rounded | 117.39 |  |  |  |
| 103 |  | D | Ferry House | Beach | 521615 | 5337739 | 3 | 1 | Rounded | 58.8 | 126.2 |  | light Quartzite Phenocrysts |
| 104 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Rounded | 47.22 | 60.2 |  |  |
| 105 |  | D | Ferry House | Beach | 521615 | 5337739 | 2 | 2 | Subrounded | 59.71 | 118.4 |  | quartzite phenocrysts |
| 106 |  | E | Ferry House | Beach | 521615 | 5337739 | 1 | 1 | Rounded | 80.67 | 413.8 |  |  |
| 107 |  | E | Ferry House | Beach | 521615 | 5337739 | 2 | 2 | Rounded | 66.99 | 240.3 |  | light Quartzite Phenocrysts |
| 108 | Y | E | Ferry House | Beach | 521615 | 5337739 | 2 | 2 | Subrounded | 68.39 | 183.4 | uk |  |
| 109 |  | E | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Rounded | 106.38 |  |  |  |
| 110 |  | E | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 138.04 |  |  | quartzite phenocrysts |
| 111 |  | E | Ferry House | Beach | 521615 | 5337739 | 2 | 2 | Rounded | 68.72 | 189.5 |  | quartzite phenocrysts |
| 112 |  | E | Ferry House | Beach | 521615 | 5337739 | 3 | 1 | Rounded | 58.78 | 164.9 |  |  |
| 113 |  | E | Ferry House | Beach | 521615 | 5337739 | 2 | 0 | Subrounded | 65.13 | 136.4 |  | glassy |
| 114 |  | E | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 60.82 | 130 |  |  |
| 115 |  | E | Ferry House | Beach | 521615 | 5337739 | 3 | 1 | Rounded | 58.33 | 111.3 |  | quartzite phenocrysts |
| 116 |  | E | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subangular | 59.43 | 70.9 |  | glassy |
| 117 |  | E | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Rounded | 59.34 | 98.3 |  | lighly vessicular |
| 118 |  | E | Ferry House | Beach | 521615 | 5337739 | 3 | 1 | Rounded | 46.35 | 67.9 |  | light Quartzite Phenocrysts |
| 119 | Y | E | Ferry House | Beach | 521615 | 5337739 | 1 | 1 | Subangular | 49.11 | 52.4 | UK | light Quartzite Phenocrysts, glassy |
| 120 | Y | E | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 55.74 | 108.6 | UK |  |
| 121 |  | F | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 68.15 | 219.9 |  | glassy ? |
| 122 |  | F | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 106.74 | 474.3 |  |  |
| 123 |  | F | Ferry House | Beach | 521615 | 5337739 | 1 | 1 | Subrounded | 76.69 | 313 |  | quartzite phenocrysts |
| 124 |  | F | Ferry House | Beach | 521615 | 5337739 | 1 | 1 | Subrounded | 61.61 | 116 |  |  |
| 125 |  | F | Ferry House | Beach | 521615 | 5337739 | 2 | 1 | Rounded | 70.9 | 202 |  |  |
| 126 |  | F | $\begin{gathered} \text { Ferry } \\ \text { House } \\ \hline \end{gathered}$ | Beach | 521615 | 5337739 | 2 | 1 | Subrounded | 112.93 |  |  | glassy ? |
| 127 | Y | F | Ferry House | Beach | 521615 | 5337739 | 3 | 2 | Rounded | 130.33 |  | UK |  |
| 128 |  | G | Ferry House | Beach | 521615 | 5337739 | 1 | 1 | Rounded | 92.64 |  |  |  |
| 129 |  | G | Ferry House | Beach | 521615 | 5337739 | 2 | 2 | Rounded | 44.16 | 59.3 |  | quartzite phenocrysts |
| 130 |  | G | Ferry House | Beach | 521615 | 5337739 | 2 | 2 | Subrounded | 61.45 | 130.9 |  |  |
| 131 |  | G | Ferry House | Beach | 521615 | 5337739 | 3 | 2 | Subrounded | 57.11 | 122.3 |  |  |
| 132 |  | G | Ferry | Beach | 521615 | 5337739 | 2 | 1 | Rounded | 63.9 | 161.1 |  |  |


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| 133 |  |  |  |  |  |  |  |  |  |  |  |


| 181 |  | I | Sekiu | Beach | 404635 | 5345749 | 1 | 1 | Rounded | 35.75 | 26.6 |  | quartzite phenocrysts |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 182 |  | I | Sekiu | Beach | 404635 | 5345749 | 1 | 1 | Rounded | 34.5 | 29.1 |  | lighly vessicular |
| 183 |  | 1 | Sekiu | Beach | 404635 | 5345749 | 1 | 1 | Rounded | 33.54 | 22 |  |  |
| 184 |  | I | Sekiu | Beach | 404635 | 5345749 | 1 | 1 | Subrounded | 45.54 | 29.7 |  |  |
| 185 |  | I | Sekiu | Beach | 404635 | 5345749 | 1 | 1 | Rounded | 30.96 | 19.1 |  | $\begin{gathered} \text { quartzite } \\ \text { phenocrysts } \end{gathered}$ |
| 186 |  | J | Rayonier | Beach | 469226 | 5329293 | 2 | 1 | Subangular | 73.26 | 232.9 |  |  |
| 187 | Y | J | Rayonier | Beach | 469226 | 5329293 | 1 | 1 | Subangular | 87.87 | 334 | Watts Point |  |
| 188 |  | J | Rayonier | Beach | 469226 | 5329293 | 1 | 2 | Subrounded | 59.34 | 119.3 |  | vessicular |
| 189 |  | J | Rayonier | Beach | 469226 | 5329293 | 1 | 1 | Subrounded | 84.49 | 395.6 |  | vessicular |
| 190 |  | J | Rayonier | Beach | 469226 | 5329293 | 1 | 1 | Subrounded | 71.12 | 229.5 |  |  |
| 191 |  | J | Rayonier | Beach | 469226 | 5329293 | 1 | 2 | Rounded | 41.72 | 46.9 |  |  |
| 192 |  | J | Rayonier | Beach | 469226 | 5329293 | 3 | 2 | Rounded | 46.47 | 83.6 |  |  |
| 193 | Y | J | Rayonier | Beach | 469226 | 5329293 | 2 | 2 | Subrounded | 77.59 | 175.3 | Watts Point | quartzite phenocrysts |
| 194 | Y | K | Rayonier | Beach | 469226 | 5329293 | 1 | 2 | Subangular | 77.14 | 214.8 | Watts Point |  |
| 195 |  | K | Rayonier | Beach | 469226 | 5329293 | 2 | 2 | Subangular | 55.81 | 100.5 |  |  |
| 196 |  | K | Rayonier | Beach | 469226 | 5329293 | 1 | 2 | Subrounded | 49.95 | 92.5 |  | $\begin{gathered} \text { lighly } \\ \text { vessicular } \\ \hline \end{gathered}$ |
| 197 |  | K | Rayonier | Beach | 469226 | 5329293 | 2 | 1 | Subangular | 56.37 | 83.2 |  |  |
| 198 | Discard | K | Rayonier | Beach | 469226 | 5329293 | 2 | 1 | Subrounded | 50.93 | 71.1 |  | $\begin{gathered} \text { quartzite } \\ \text { phenocrysts } \end{gathered}$ |
| 199 |  | K | Rayonier | Beach | 469226 | 5329293 | 1 | 2 | Subangular | 57.35 | 117.2 |  | vessicular |
| 200 |  | K | Rayonier | Beach | 469226 | 5329293 | 2 | 2 | Subangular | 55.39 | 109.2 |  |  |
| 201 | y |  | Split Rock - Mora | Beach | 376843 | 5310957 | 1 | 1 | Subrounded | 90.2 |  | Watts Point | $\begin{gathered} \text { quartzite } \\ \text { phenocrysts } \end{gathered}$ |
| 202 | y |  | Split Rock - <br> Mora | Beach | 377272 | 5309864 | 1 | 1 | Rounded | 47.9 |  | Watts Point | quartzite phenocrysts |
| 203 |  |  | White Rock | Beach | 372119 | 5333392 | 1 | 1 | Rounded | 62.36 | 131.4 |  | quartzite phenocryst |
| 204 | Y |  | Cape Alava | Beach | 371458 | 5335242 | 1 | 1 | Subrounded | 46.23 | 51.9 | Watts Point |  |
| 205 |  |  | Cape Alava | Beach | 371458 | 5335242 | 1 | 1 | Subrounded | 55.95 | 81.2 |  |  |
| 206 | Y |  | Cape Alava | Beach | 371458 | 5335242 | 2 | 1 | Rounded | 78.91 | 308.3 | UK |  |
| 207 |  |  | Henry Island | Beach | 486587 | 5383995 | 2 | 1 | Subangular | 79.43 | 180.7 |  |  |
| 208 |  |  | Henry Island | Beach | 486587 | 5383995 | 1 | 1 | Subangular | 80.41 | 221.3 |  |  |
| 209 |  |  | Henry Island | Beach | 486587 | 5383995 | 1 | 1 | Subangular | 70.27 | 145.3 |  |  |
| 210 |  |  | Henry <br> Island | Beach | 486587 | 5383995 | 2 | 1 | Subangular | 54.61 | 69.7 |  |  |
| 211 | Y |  | Henry Island | Beach | 486587 | 5383995 | 1 | 1 | Subangular | 46.41 | 55 | Watts Point |  |
| 212 |  |  | Henry <br> Island | Beach | 486587 | 5383995 | 1 | 1 | Subangular | 53.33 | 59.6 |  | $\begin{gathered} \text { lighly } \\ \text { vessicular } \end{gathered}$ |
| 213 |  |  | Henry <br> Island | Beach | 486587 | 5383995 | 2 | 1 | Subangular | 88.49 | 471.4 |  |  |
| 214 |  |  | Henry Island | Beach | 486587 | 5383995 | 1 | 1 | Subangular | 55.37 | 70.2 |  |  |
| 215 |  |  | Henry Island | Beach | 486587 | 5383995 | 2 | 1 | Subangular | 43.57 | 36.1 |  |  |
| 216 | Y |  | Henry Island | Beach | 486159 | 5382646 | 1 | 2 | Subrounded | 54.25 | 67.5 | Watts Point |  |
| 217 |  |  | Henry Island | Beach | 486159 | 5382646 | 1 | 1 | Subrounded | 52.68 | 63.1 |  | $\begin{gathered} \text { quartzite } \\ \text { phenocrysts } \end{gathered}$ |
| 218 |  |  | Henry Island | Beach | 486159 | 5382646 | 1 | 1 | Subrounded | 52.58 | 66.7 |  | quartzite phenocrysts |
| 219 |  |  | Henry <br> Island | Beach | 486159 | 5382646 | 1 | 2 | Rounded | 42.86 | 34.2 |  | lighly vessicular |
| 220 | Y |  | Henry <br> Island | Beach | 486159 | 5382646 | 1 | 1 | Rounded | 49.37 | 60.7 | Watts Point | $\begin{aligned} & \text { lighly } \\ & \text { vessicular } \end{aligned}$ |
| 221 |  |  | Henry <br> Island | Beach | 486159 | 5382646 | 1 | 1 | Subrounded | 52.19 | 58.5 |  |  |
| 222 | Y |  | Henry Island | Beach | 486159 | 5382646 | 1 | 1 | Rounded | 48.15 | 61.6 | Watts Point |  |
| 223 |  |  | Henry Island | Beach | 486159 | 5382646 | 1 | 1 | Rounded | 42.89 | 30.1 |  | quartzite phenocrysts |
| 224 |  |  | Henry Island | Beach | 486159 | 5382646 | 1 | 1 | Subrounded | 46.99 | 40.1 |  |  |
| 225 |  |  | Henry Island | Beach | 486159 | 5382646 | 1 | 1 | Subrounded | 49.89 | 53.1 |  | quartzite phenocrysts |
| 226 | Y |  | Pillar Point | Beach | 418390 | 5338951 | 1 | 3 | Subrounded | 49.35 | 63 | UK |  |
| 227 |  |  | Pillar Point | Beach | 418390 | 5338951 | 1 | 3 | Subrounded | 48.1 | 55.9 |  |  |
| 228 |  |  | Pillar Point | Beach | 418390 | 5338951 | 2 | 3 | Rounded | 46.89 | 82.6 |  |  |
| 229 | Y |  | $\begin{gathered} \hline \text { Panorama } \\ \text { Point } \\ \hline \end{gathered}$ | Beach | 501720 | 5327074 | 1 | 3 | Rounded | 59.54 | 123.9 | UK |  |
| 230 |  |  | Jansen Creek | Beach | 391093 | 5353303 | 1 | 1 | Subangular | 34.34 | 18.1 |  |  |
| 231 | Y |  | Jansen Creek | Beach | 391093 | 5353303 | 2 | 1 | Rounded | 53.87 | 100.7 | Watts Point |  |


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 232 |  |  | Jansen <br> Creek | Beach | 391093 | 5353303 | 2 | 1 | Rounded | 44.82 | 58.9 |  |  |
| 233 |  |  | Jansen <br> Creek | Beach | 391093 | 5353303 | 2 | 1 | Subrounded | 81.99 | 259 |  |  |
| 234 |  |  | Split Rock - <br> Mora | Beach | 37684 | 5310957 | 1 | 1 | Rounded | 92.72 | 482.6 |  | looks <br> metamorphosed |

## APPENDIX C

Chipped Stone Artifact Data A

| Category | Code Description |
| :---: | :---: |
| Prov 1 | S= Surface, E= Excavation |
| Prov 2 | CSC= Controlled Surface Collection, TEU= Test Excavation Unit, SHP= Shovel Probe, SQ= Square, USC= Uncontrolled Surface Collection |
| Prov 3 | Levels and Strata for Test Units and Loci for CSC |
| Type | T= Tool, D= Debitage |
| Raw Material | $\mathrm{D}=$ Dacite, $\mathrm{Q}=$ Quartzite, $\mathrm{Z}=$ Quartz Crystal, $\mathrm{O}=$ Obsidian, $\mathrm{C}=\mathrm{CCS}$, $\mathrm{M}=$ Metasediment, $\mathrm{S}=$ Sandstone, $\mathrm{F}=$ Fine-grained Volcanic, $\mathrm{G}=$ Coarse-grained Volcanic, $\mathrm{H}=$ Other |
| Frag Cat | P= Proximal Flake Fragment, N=Non-Proximal or Flake Shatter, A= Angular Shatter |
| Flk Type | $\mathrm{W}=$ Whole Flake, $\mathrm{B}=$ Bifacial thinning flake, $\mathrm{P}=$ Bipolar flake, $\mathrm{L}=$ Blade |
| Tech Cat | 1= Primary, 2= Secondary, 3= Interior |
| Dorsal Cortex | Amount of dorsal cortex $0=0 \%, 1=1-50 \%, 2=51-99 \%, 3=100 \%$ |
| Cortex Type | $\mathrm{S}=$ Smooth, I= Incipient cone, $\mathrm{P}=$ Pitted/vessicular, F= Flat |
| N Dorsal Flk Scars | Count of flake scars on dorsal side |
| Flake Term Type | $\mathrm{F}=$ Feather, $\mathrm{S}=$ Step, $\mathrm{H}=$ Hinge, $\mathrm{P}=$ Plunging |
| Platform | $\mathrm{C}=$ Cortical, $\mathrm{F}=\mathrm{Flat}, \mathrm{T}=$ Faceted, $\mathrm{R}=$ Crushed, $\mathrm{A}=$ Abraded |
| Weight | Weight in grams |
| GLD | Greatest linear dimension |
| Width | Next largest dimension 90 degrees from GLD |
| Thickness | Thickness where GLD and Width meet |
| Class | BF= Biface, U= Uniface, CCT= Cores/Cobble Tools |
| SubClass | $\mathrm{BFF}=$ Bifacial flake, $\mathrm{HBF}=$ Hafted Biface, $\mathrm{ESB}=$ Early Stage Biface, LSB $=$ Late Stage Biface, RUF= Retouched Uniface, UTF= Utilized Flake- no retouch, UDC= Unidirectional Core, MDC= Multidirectional core |
| Retouched? | $\mathrm{Y}=\mathrm{Yes}, \mathrm{N}=$ No |
| Cortex | $\mathrm{Y}=\mathrm{Yes}, \mathrm{N}=\mathrm{No}$ |
| Biface W/B | Biface whole or broken |
| FGV Name | Name of primary source |


| \# | Site | $\begin{gathered} \text { Prov } \\ -1 \\ \hline \end{gathered}$ | Prov_2 | Prov_3 | Type | Raw <br> Mtrl | Frag Cat | $\begin{gathered} \text { Flk } \\ \text { Type } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Tech } \\ \text { Cat } \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { Dors } \\ \text { al } \\ \text { Cort } \\ \hline \end{gathered}$ | Cortex Type | $\begin{gathered} \text { N Dors } \\ \text { Flk } \\ \hline \end{gathered}$ | Flake Term | Platform |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 | 45-CA-476 | S | CSC |  | T | D | WHF |  | 2 | 1 | P | 4 | F | C |
| 9 | 45-CA-476 | S | CSC |  | D | D | NPF |  | 2 | 1 | P | 2 |  |  |
| 10 | 45-CA-476 | S | CSC |  | T | D | NPF |  | 2 | 1 | P | 3 |  |  |
| 11 | 45-CA-476 | S | CSC |  | D | D | PFF |  | 3 | 1 | P | 2 |  | T |
| 12 | 45-CA-476 | S | CSC |  | D | D | NPF |  | 2 | 1 | P | 3 |  |  |
| 13 | 45-CA-476 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 14 | 45-CA-476 | S | CSC |  | D | D | NPF |  | 2 | 0 |  | 2 |  |  |
| 15 | 45-CA-476 | S | CSC |  | D | D | NPF |  | 2 | 1 | P | 3 | H |  |
| 16 | 45-CA-476 | S | CSC |  | D | D | NPF |  | 2 | 1 | P | 2 |  |  |
| 17 | 45-CA-476 | S | CSC |  | D | D | NPF |  | 2 | 1 | P | 1 |  |  |
| 18 | 45-CA-477 | S | CSC |  | T | D | NPF |  | 2 | 1 | I | 2 |  |  |
| 19 | 45-CA-477 | S | CSC |  | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 20 | 45-CA-477 | S | CSC |  | T | Z |  |  |  |  |  |  |  |  |
| 21 | 45-CA-477 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 22 | 45-CA-477 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 23 | 45-CA-477 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 24 | 45-CA-477 | S | CSC |  | D | D | NPF |  | 2 | 1 | P | 2 |  |  |
| 25 | 45-CA-477 | S | CSC |  | D | D | PFF |  | 3 | 1 | P | 2 |  | C |
| 26 | 45-CA-477 | S | CSC |  | D | F | NPF |  | 2 | 2 |  | 1 |  |  |
| 27 | 45-CA-477 | S | CSC |  | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 28 | 45-CA-477 | S | CSC |  | D | D | WHF |  | 2 | 1 | P | 3 | F | R |
| 29 | 45-CA-477 | S | CSC |  | D | D | PFF |  | 3 | 0 |  | 2 |  | F |
| 30 | 45-CA-477 | S | CSC |  | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 31 | 45-CA-477 | S | CSC |  | D | Z | NPF |  | 1 | 3 |  | 0 |  |  |
| 32 | 45-CA-477 | S | CSC |  | D | D | PFF |  | 2 | 1 | P | 2 |  | T |
| 33 | 45-CA-477 | S | CSC |  | D | D | WHF |  | 2 | 1 | P | 2 | F | C |
| 34 | 45-JE-237 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 35 | 45-CA-479 | S | CSC |  | D | D | WHF |  | 2 | 1 | P | 1 | F | C |
| 36 | 45-CA-414 | S | CSC |  | T | D |  |  |  |  | I |  |  |  |
| 37 | 45-CA-414 | S | CSC |  | D | D | NPF |  | 2 | 2 | P | 1 |  |  |
| 38 | 45-CA-414 | S | CSC |  | D | D | ANW |  |  |  | I |  |  |  |
| 39 | 45-CA-480 | S | CSC |  | D | D | PFF |  | 1 | 2 | P | 0 |  | C |
| 40 | 45-CA-480 | S | CSC |  | D | D | ANW |  |  |  | P |  |  |  |
| 41 | 45-CA-414 | S | CSC |  | D | D | ANW |  |  |  | I |  |  |  |
| 42 | 45-CA-414 | S | CSC |  | T | Q |  |  |  |  |  |  |  |  |
| 43 | 45-CA-414 | S | CSC |  | D | M | ANW |  |  |  |  |  |  |  |
| 44 | 45-CA-482 | S | CSC |  | T | D |  |  |  |  | I |  |  |  |


| 45 | 45-CA-482 | S | CSC | T | D |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46 | 45-CA-414 | S | CSC | T | D |  |  |  |  | I |  |  |  |
| 47 | 45-CA-290 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 48 | 45-CA-290 | S | CSC | D | D | NPF |  | 2 | 1 | P | 4 | F |  |
| 49 | 45-CA-290 | S | CSC | D | D | ANW |  |  |  | I |  |  |  |
| 50 | 45-CA-290 | S | CSC | D | D | NPF |  | 2 | 1 | P | 2 |  |  |
| 51 | 45-CA-290 | S | CSC | D | D | PFF |  | 2 | 2 | P | 1 |  |  |
| 52 | 45-CA-290 | S | CSC | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 53 | 45-CA-290 | S | CSC | D | D | ANW |  | 3 | 0 |  |  |  |  |
| 54 | 45-CA-290 | S | CSC | D | D | NPF |  | 2 | 1 | P | 3 |  |  |
| 55 | 45-CA-290 | S | CSC | D | D | PFF |  | 2 | 1 | I | 2 |  | C |
| 56 | 45-CA-290 | S | CSC | D | D | NPF |  | 2 | 1 | P | 1 |  |  |
| 57 | 45-CA-290 | S | CSC | D | D | WHF |  | 3 | 0 | P | 3 | F | C |
| 58 | 45-CA-290 | S | CSC | D | D | ANW |  |  |  | I |  |  |  |
| 59 | 45-CA-290 | S | CSC | D | D | NPF |  | 2 | 1 | I | 2 |  |  |
| 60 | 45-CA-290 | S | CSC | D | D | NPF |  | 2 | 2 | P | 1 |  |  |
| 61 | 45-CA-290 | S | CSC | D | D | ANW |  |  |  | I |  |  |  |
| 62 | 45-CA-290 | S | CSC | D | D | WHF |  | 3 | 0 |  | 2 | F | R |
| 63 | 45-CA-290 | S | CSC | T | D |  |  |  |  | P |  |  |  |
| 64 | 45-CA-290 | S | CSC | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 65 | 45-CA-290 | S | CSC | T | D | NPF |  |  | 3 | I | 0 |  |  |
| 66 | 45-CA-441 | S | CSC | D | D | ANW |  |  |  | P |  |  |  |
| 67 | 45-CA-441 | S | CSC | D | D | ANW |  |  |  | I |  |  |  |
| 68 | 45-CA-441 | S | CSC | D | D | WHF |  | 2 | 2 | I | 2 | F | C |
| 69 | 45-CA-441 | S | CSC | D | D | PFF |  | 3 | 0 |  | 3 |  | T |
| 70 | 45-CA-441 | S | CSC | D | D | WHF | B | 3 | 0 |  | 1 | F | T |
| 71 | 45-CA-441 | S | CSC | D | D | PFF |  | 3 | 0 | I | 2 |  | C |
| 72 | 45-CA-441 | S | CSC | D | D | PFF |  | 3 | 0 |  | 1 |  | F |
| 73 | 45-CA-441 | S | CSC | D | D | NPF |  | 2 | 1 | I | 2 |  |  |
| 74 | 45-CA-441 | S | CSC | D | D | PFF |  | 3 | 0 | I | 2 |  | C |
| 75 | 45-CA-441 | S | CSC | D | D | WHF |  | 3 | 0 |  | 2 | F | C |
| 76 | 45-CA-441 | S | CSC | D | D | PFF |  | 3 | 0 |  | 0 |  | T |
| 77 | 45-CA-441 | S | CSC | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 78 | 45-CA-441 | S | CSC | D | D | NPF |  | 2 | 1 | I | 2 |  |  |
| 79 | 45-CA-441 | S | CSC | D | D | WHF |  | 3 | 0 |  | 3 | F | T |
| 80 | 45-CA-441 | S | CSC | D | D | ANW |  |  |  |  |  |  |  |
| 81 | 45-CA-441 | S | CSC | D | D | ANW |  |  |  | P |  |  |  |
| 82 | 45-CA-441 | S | CSC | D | D | NPF |  | 2 | 1 | I | 1 |  |  |
| 83 | 45-CA-441 | S | CSC | D | D | WHF |  | 3 | 0 |  | 2 | F | F |


| 84 | 45-CA-441 | S | CSC | D | D | NPF | 3 | 0 | P | 2 |  | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 85 | 45-CA-441 | S | CSC | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 86 | 45-CA-435 | S | CSC | D | D | PFF | 2 | 1 | P | 2 |  | C |
| 87 | 45-CA-435 | S | CSC | T | D | NPF | 3 | 0 |  |  |  |  |
| 88 | 45-CA-435 | S | CSC | D | D | NPF | 2 | 1 | P | 3 |  |  |
| 89 | 45-CA-435 | S | CSC | D | D | PFF | 3 | 0 |  | 1 |  | F |
| 90 | 45-CA-435 | S | CSC | D | D | PFF | 2 | 1 | P | 2 |  | C |
| 91 | 45-CA-435 | S | CSC | T | D | NPF | 3 | 0 |  | 3 |  |  |
| 92 | 45-JE-215 | S | CSC | D | D | PFF | 3 | 0 |  | 2 |  | F |
| 93 | 45-JE-215 | S | CSC | D | D | NPF | 3 | 0 |  | 4 |  |  |
| 94 | 45-JE-215 | S | CSC | D | D | NPF | 2 | 1 | P | 3 |  |  |
| 95 | 45-JE-215 | S | CSC | D | D | PFF | 3 | 0 |  | 2 |  | T |
| 96 | 45-JE-215 | S | CSC | D | D | NPF | 3 | 0 |  | 1 |  |  |
| 97 | 45-JE-215 | S | CSC | T | D |  |  |  | P |  |  |  |
| 98 | 45-JE-215 | S | CSC | T | D | PFF | 3 | 0 | I | 3 | F | C |
| 99 | 45-JE-228 | S | CSC | D | D | PFF | 3 | 0 |  | 1 |  | F |
| 100 | 45-CA-425 | S | CSC | T | D | NPF | 2 | 1 | I | 2 |  |  |
| 101 | 45-JE-227 | S | CSC | D | D | NPF | 2 | 1 | f | 1 |  |  |
| 102 | 45-JE-227 | S | CSC | D | D | PFF | 3 | 0 | f | 1 |  | C |
| 103 | 45-JE-233 | S | CSC | T | D |  |  |  | P |  |  |  |
| 104 | 45-CA-288 | S | USC | T | D | NPF |  |  |  |  |  |  |
| 105 | 45-CA-288 | S | USC | D | D | NPF |  | 2 | I | 0 |  |  |
| 106 | 45-CA-471 | S | CSC | T | D | NPF |  | 0 |  |  |  |  |
| 107 | 45-CA-471 | S | CSC | D | D | PFF | 2 | 1 | P | 1 |  | C |
| 108 | 45-CA-471 | S | CSC | T | D |  |  |  |  |  |  |  |
| 109 | 45-CA-430 | S | CSC | D | D | NPF | 3 | 0 |  | 2 |  |  |
| 110 | 45-CA-430 | S | CSC | T | D |  |  |  |  |  |  |  |
| 111 | 45-CA-430 | S | CSC | T | D |  |  |  |  |  |  |  |
| 112 | 45-CA-430 | S | CSC | D | D | NPF | 3 | 0 |  | 1 |  |  |
| 113 | 45-CA-430 | S | CSC | D | D | PFF | 2 | 3 | P | 0 |  | C |
| 114 | 45-CA-430 | S | CSC | D | D | WHF | 3 |  | P | 2 | F | C |
| 115 | 45-CA-430 | S | CSC | D | D | NPF | 3 | 0 |  | 1 |  |  |
| 116 | 45-CA-430 | S | CSC | D | D | NPF | 2 | 3 | P | 0 | F |  |
| 117 | 45-CA-430 | S | CSC | T | D | PFF | 3 | 0 | P | 4 |  | C |
| 118 | 45-CA-430 | S | CSC | D | D | NPF | 3 | 0 |  | 2 |  |  |
| 119 | 45-CA-430 | S | CSC | D | D | WHF | 3 | 0 |  | 3 | F | T |
| 120 | 45-CA-430 | S | CSC | D | D | NPF | 2 | 2 | P | 1 |  |  |
| 121 | 45-CA-430 | S | CSC | D | D | PFF | 3 | 0 |  | 2 |  | T |
| 122 | 45-CA-430 | S | CSC | D | D | NPF | 3 | 0 |  | 2 |  |  |


| 123 | 45-CA-430 | S | CSC | D | D | PFF | 3 | 0 | P | 2 |  | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 124 | 45-CA-430 | S | CSC | D | D | PFF | 2 | 1 | P | 1 |  | C |
| 125 | 45-CA-430 | S | CSC | D | D | NPF | 2 | 1 | f | 2 |  |  |
| 126 | 45-CA-430 | S | CSC | D | D | WHF | 3 | 0 |  | 1 | F | F |
| 127 | 45-CA-430 | S | CSC | D | D | WHF | 3 | 0 |  | 2 | F | C |
| 128 | 45-CA-430 | S | CSC | D | D | WHF | 3 | 0 |  | 3 | F | T |
| 129 | 45-CA-430 | S | CSC | T | D |  |  |  | I |  |  |  |
| 130 | 45-CA-430 | S | CSC | T | D |  |  |  | f |  |  |  |
| 131 | 45-CA-430 | S | CSC | T | D | NPF |  |  |  |  |  |  |
| 132 | 45-CA-430 | S | CSC | D | D | NPF | 3 | 0 |  | 3 |  |  |
| 133 | 45-CA-430 | S | CSC | D | D | NPF | 2 | 1 | f | 1 |  |  |
| 134 | 45-CA-430 | S | CSC | D | D | PFF | 3 | 0 |  | 1 | F | T |
| 135 | 45-CA-430 | S | CSC | D | D | WHF | 3 | 0 |  | 2 | F | F |
| 136 | 45-CA-430 | S | CSC | T | D | PFF | 3 | 0 | f | 2 |  | C |
| 137 | 45-CA-430 | S | CSC | D | D | WHF | 3 | 0 |  | 2 | F | F |
| 138 | 45-CA-430 | S | CSC | D | D | WHF | 2 | 1 | f | 2 | F | F |
| 139 | 45-CA-430 | S | CSC | D | D | PFF | 3 | 0 |  | 2 |  | T |
| 140 | 45-CA-430 | S | CSC | D | D | WHF | 3 | 0 |  | 2 | F | T |
| 141 | 45-CA-430 | S | CSC | D | D | NPF | 3 | 0 |  | 1 | F |  |
| 142 | 45-CA-430 | S | CSC | D | D | NPF | 3 | 0 |  | 2 |  |  |
| 143 | 45-CA-430 | S | CSC | D | D | PFF | 2 | 1 | P | 2 |  | T |
| 144 | 45-CA-430 | S | CSC | D | D | ANW |  |  | P |  |  |  |
| 145 | 45-CA-430 | S | CSC | D | D | NPF | 2 | 2 | P | 1 | F |  |
| 146 | 45-CA-430 | S | CSC | D | D | WHF | 3 | 0 | P | 4 | F | T |
| 147 | 45-CA-430 | S | CSC | D | D | NPF | 2 | 1 | I | 1 | F |  |
| 148 | 45-CA-430 | S | CSC | D | D | NPF | 3 | 0 |  | 1 | F |  |
| 149 | 45-CA-430 | S | CSC | D | Q | PFF | 3 | 0 |  | 2 |  | F |
| 150 | 45-CA-430 | S | CSC | D | Q | WHF | 3 | 0 |  | 3 | F | T |
| 151 | 45-CA-430 | S | CSC | D | D | PFF | 3 | 0 |  | 3 | F | T |
| 152 | 45-CA-430 | S | CSC | D | D | NPF | 3 | 0 |  | 1 | F |  |
| 153 | 45-CA-430 | S | CSC | T | D |  |  |  | P |  |  |  |
| 154 | 45-CA-430 | S | CSC | D | D | PFF | 3 | 0 |  | 2 |  | T |
| 155 | 45-CA-430 | S | CSC | D | D | NPF | 2 | 1 | P | 1 |  |  |
| 156 | 45-CA-430 | S | CSC | D | D | PFF | 3 | 0 | P | 2 |  | C |
| 157 | 45-CA-430 | S | CSC | D | D | NPF | 2 | 1 | P | 3 |  |  |
| 158 | 45-CA-430 | S | CSC | D | D | PFF | 3 | 0 | P | 2 |  | C |
| 159 | 45-CA-430 | S | CSC | D | D | WHF | 2 | 1 | P | 2 | F | T |
| 160 | 45-CA-430 | S | CSC | D | D | NPF | 2 | 1 | P | 3 | F |  |
| 161 | 45-CA-430 | S | CSC | D | D | NPF | 2 | 2 | P | 1 | F |  |


| 162 | 45-CA-430 | S | CSC | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 163 | 45-CA-430 | S | CSC | T | Q | PFF |  | 2 | 1 |  | 1 |  | C |
| 164 | 45-CA-430 | S | CSC | D | D | NPF |  | 0 | 0 |  | 1 | F |  |
| 165 | 45-CA-430 | S | CSC | T | D | NPF |  | 3 | 0 |  |  |  |  |
| 166 | 45-CA-430 | S | CSC | T | D | WHF |  | 2 | 1 | P | 1 | F | C |
| 167 | 45-CA-430 | S | CSC | T | D | NPF |  | 2 | 1 | P | 2 |  |  |
| 168 | 45-CA-430 | S | CSC | D | Q | PFF |  | 1 | 3 |  | 0 |  | F |
| 169 | 45-CA-430 | S | CSC | D | D | PFF | B | 3 | 0 |  | 2 |  | T |
| 170 | 45-CA-430 | S | CSC | D | S | NPF |  | 2 | 2 |  | 1 |  |  |
| 171 | 45-CA-430 | S | CSC | D | D |  |  |  |  |  |  |  |  |
| 172 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 173 | 45-CA-429 | S | CSC | D | D | PFF |  | 3 | 0 |  | 2 |  | T |
| 174 | 45-CA-429 | S | CSC | D | D | PFF |  | 2 | 2 | f | 1 |  | T |
| 175 | 45-CA-429 | S | CSC | D | D | WHF |  | 3 | 0 | P | 2 | F | C |
| 176 | 45-CA-429 | S | CSC | D | Q | WHF |  | 3 | 0 |  | 2 | F | C |
| 177 | 45-CA-429 | S | CSC | D | D | NPF |  | 2 | 1 | I | 3 |  |  |
| 178 | 45-CA-429 | S | CSC | D | D | NPF |  | 2 | 2 | P | 1 |  |  |
| 179 | 45-CA-429 | S | CSC | D | D | PFF |  | 3 | 0 |  | 2 |  | T |
| 180 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 181 | 45-CA-429 | S | CSC | D | D | PFF |  | 3 | 0 |  | 3 |  | T |
| 182 | 45-CA-429 | S | CSC | D | D | PFF |  | 2 | 2 | P | 1 |  | F |
| 183 | 45-CA-429 | S | CSC | D | D | PFF | B | 3 | 0 |  | 3 |  | T |
| 184 | 45-CA-429 | S | CSC | D | D | PFF |  | 3 | 0 | P | 2 |  | C |
| 185 | 45-CA-429 | S | CSC | D | D | PFF |  | 3 | 0 | P | 1 |  | C |
| 186 | 45-CA-429 | S | CSC | D | D | WHF |  | 2 | 1 | f | 2 | F | C |
| 187 | 45-CA-429 | S | CSC | D | D | PFF |  | 3 | 0 |  | 2 |  | F |
| 188 | 45-CA-429 | S | CSC | D | Q | PFF |  | 3 | 0 |  | 2 |  | C |
| 189 | 45-CA-429 | S | CSC | D | D | NPF |  | 2 | 2 | f | 1 | F |  |
| 190 | 45-CA-429 | S | CSC | D | D | WHF |  | 3 | 0 |  | 1 | F | T |
| 191 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 192 | 45-CA-429 | S | CSC | D | D | WHF |  | 2 | 1 | P | 2 | F | T |
| 193 | 45-CA-429 | S | CSC | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 194 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 195 | 45-CA-429 | S | CSC | D | D | PFF |  | 2 | 1 | f | 1 |  | C |
| 196 | 45-CA-429 | S | CSC | D | D | PFF | B | 3 | 0 |  | 2 |  | T |
| 197 | 45-CA-429 | S | CSC | T | D | WHF |  | 3 | 0 | I | 2 | F | C |
| 198 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 199 | 45-CA-429 | S | CSC | D | D | ANW |  |  |  |  |  |  |  |
| 200 | 45-CA-429 | S | CSC | D | D | WHF |  | 3 | 0 | f | 3 | F | C |


| 201 | 45-CA-429 | S | CSC | D | D | WHF |  | 2 | 1 | P | 2 | F | F |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 202 | 45-CA-429 | S | CSC | D | D | PFF |  | 3 | 0 |  | 2 |  | T |
| 203 | 45-CA-429 | S | CSC | D | D | WHF |  | 2 | 1 | P | 2 | F | F |
| 204 | 45-CA-429 | S | CSC | D | D | PFF | B | 3 | 0 |  | 3 |  | T |
| 205 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 206 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 207 | 45-CA-429 | S | CSC | D | D | PFF | B | 3 | 0 |  | 3 |  | T |
| 208 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 209 | 45-CA-429 | S | CSC | D | D | ANW |  |  |  | f |  |  |  |
| 210 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 211 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 212 | 45-CA-429 | S | CSC | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 213 | 45-CA-429 | S | CSC | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 214 | 45-CA-429 | S | CSC | D | D | PFF |  | 2 | 2 | f | 0 |  | F |
| 215 | 45-CA-429 | S | CSC | D | D | PFF | B | 3 | 0 |  | 2 |  | T |
| 216 | 45-CA-429 | S | CSC | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 217 | 45-CA-429 | S | CSC | D | D | PFF |  | 2 | 1 | f | 4 |  | F |
| 218 | 45-CA-429 | S | CSC | D | D | ANW |  |  |  | P |  |  |  |
| 219 | 45-CA-429 | S | CSC | D | D | NPF |  | 2 | 1 | f | 1 |  |  |
| 220 | 45-CA-429 | S | CSC | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 221 | 45-CA-429 | S | CSC | D | D | WHF |  | 3 | 0 | P | 3 | F | C |
| 222 | 45-CA-429 | S | CSC | D | D | ANW |  |  |  |  |  |  |  |
| 223 | 45-CA-429 | S | CSC | D | D | PFF |  | 3 | 0 |  | 2 |  | T |
| 224 | 45-CA-429 | S | CSC | D | D | PFF |  | 3 | 0 |  | 1 |  | T |
| 225 | 45-CA-429 | S | CSC | D | D | ANW |  |  |  |  |  |  |  |
| 226 | 45-CA-429 | S | CSC | D | D | PFF |  | 2 | 1 | f | 3 |  | C |
| 227 | 45-CA-301 | S | CSC | D | D | WHF |  | 3 | 0 |  | 3 | P | F |
| 228 | 45-CA-301 | S | CSC | D | D | NPF |  | 2 | 1 | I | 3 |  |  |
| 229 | 45-CA-301 | S | CSC | D | D | NPF |  | 2 | 1 | f | 1 | F |  |
| 230 | 45-CA-301 | S | CSC | D | D | NPF |  | 2 | 1 | P | 1 |  |  |
| 231 | 45-CA-301 | S | CSC | D | D | WHF |  | 2 | 1 | P | 3 | F | C |
| 232 | 45-CA-301 | S | CSC | T | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 233 | 45-CA-301 | S | CSC | D | D | PFF | B | 3 | 0 |  | 2 |  | T |
| 234 | 45-CA-301 | S | CSC | D | D | WHF |  | 2 | 1 | P | 3 | F | C |
| 235 | 45-CA-301 | S | CSC | D | D | NPF |  | 2 | 2 | f | 1 |  |  |
| 236 | 45-CA-301 | S | CSC | D | D | PFF |  | 2 | 1 | I | 3 |  | C |
| 237 | 45-CA-301 | S | CSC | D | D | WHF |  | 2 | 1 | f | 1 | F | F |
| 238 | 45-CA-301 | S | CSC | D | D | WHF |  | 3 | 0 | f | 3 | F | C |
| 239 | 45-CA-301 | S | CSC | D | D | WHF |  | 3 | 0 | P | 3 | F | C |


| 240 | 45-CA-301 | S | CSC |  | D | D | NPF |  | 2 | 1 | f | 2 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 241 | 45-CA-301 | S | CSC |  | D | D | PFF |  | 3 | 0 | P | 2 |  | C |
| 242 | 45-CA-301 | S | CSC |  | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 243 | 45-CA-301 | S | CSC |  | D | D | NPF |  | 2 | 1 | f | 1 | F |  |
| 244 | 45-CA-301 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 245 | 45-CA-301 | S | CSC |  | T | D | WHF |  | 3 | 0 | f | 4 | F | C |
| 246 | 45-CA-301 | S | CSC |  | D | O | PFF | B | 3 | 0 |  | 3 |  | T |
| 247 | 45-CA-301 | S | CSC |  | D | O | PFF | B | 3 | 0 |  | 3 |  | T |
| 248 | 45-CA-301 | S | CSC |  | D | O | PFF | B | 3 | 0 |  | 2 |  | T |
| 249 | 45-CA-301 | S | CSC |  | D | O | WHF | B | 3 | 0 |  | 3 | F | T |
| 250 | 45-CA-301 | S | CSC |  | D | O | WHF | B | 3 | 0 |  | 2 | F | T |
| 251 | 45-CA-301 | S | CSC |  | D | O | NPF | B | 3 | 0 |  | 3 | F |  |
| 252 | 45-CA-301 | S | CSC |  | D | O | NPF | B | 3 | 0 |  | 4 | F |  |
| 253 | 45-CA-301 | S | CSC |  | D | O | NPF | B | 3 | 0 |  | 3 | F |  |
| 254 | 45-CA-301 | S | CSC |  | D | O | NPF | B | 3 | 0 |  | 3 | F |  |
| 255 | 45-CA-301 | S | CSC |  | D | O | NPF | B | 3 | 0 |  | 3 | F |  |
| 256 | 45-CA-301 | S | CSC |  | D | O | NPF |  | 3 | 0 |  | 2 |  |  |
| 257 | 45-CA-301 | S | CSC |  | D | O | NPF |  | 3 | 0 |  | 2 |  |  |
| 258 | 45-CA-301 | S | CSC |  | D | O | NPF |  | 3 | 0 |  | 2 |  |  |
| 259 | 45-CA-301 | S | CSC |  | D | O | PFF | B | 3 | 0 |  | 4 |  | T |
| 260 | 45-CA-301 | S | CSC |  | D | O | WHF | B | 3 | 0 |  | 3 | F | T |
| 261 | 45-CA-442 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 262 | 45-CA-434 | S | CSC |  | D | D | PFF | B | 2 | 1 | P | 2 |  | T |
| 263 | 45-CA-443 | S | CSC |  | T | M | NPF |  | 3 | 0 |  | 1 |  |  |
| 264 | 45-CA-443 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 265 | 45-CA-434 | S | CSC |  | T | D | WHF |  | 3 | 0 | f | 4 | F | C |
| 266 | 45-CA-429 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 267 | 45-CA-429 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 268 | 45-CA-429 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 269 | 45-JE-107 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 270 | 45-JE-110 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 271 | 45-CA-552 |  |  |  | D | D | WHF |  | 3 | 0 | f | 2 | F | C |
| 272 | 45-CA-434 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 3 |  |  |
| 273 | 45-CA-430 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 274 | 45-CA-430 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 275 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | f | 2 |  | C |
| 276 | 45-CA-482 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 277 | 45-CA-430 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 278 | 45-CA-478 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |


| 279 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S}_{2} \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 280 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 281 | 45-JE-236 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 282 | 45-CA-444 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 283 | $\begin{aligned} & \hline \text { ONP-2007- } \\ & 09 \\ & \hline \end{aligned}$ | E | TEU 4 | $\begin{aligned} & \text { lEVEL } \\ & 4 \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 4 | F | T |
| 284 | $\begin{aligned} & \text { ONP-2007- } \\ & 09 \\ & \hline \end{aligned}$ | E | TEU 1 | $\begin{aligned} & \text { lEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 2 | f | 2 | F | F |
| 285 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 2 | P | 2 | F | F |
| 286 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 | f | 2 | F | C |
| 287 | 45-CA-302 | E | SHP 8 |  | D | D | NPF |  | 2 | 1 | I | 2 |  |  |
| 288 | 45-CA-302 | E | SHP 4 |  | T | D |  |  |  |  | P |  |  |  |
| 289 | 45-CA-561 | S | CSC |  | T | D | PFF |  | 2 | 0 | I | 2 |  | C |
| 290 | 45-CA-478 | S | CSC |  | T | D | NPF |  | 3 | 0 |  | 3 |  |  |
| 291 | 45-CA-478 | S | CSC |  | D | D | PFF |  | 2 | 1 | P | 2 |  | C |
| 292 | 45-CA-478 | S | CSC |  | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 293 | 45-CA-291 | S | CSC |  | D | Q | ANW |  |  |  |  |  |  |  |
| 294 | 45-CA-291 | S | CSC |  | D | D | PFF |  | 3 | 0 |  | 2 |  | R |
| 295 | 45-CA-291 | S | CSC |  | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 296 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 297 | 45-CA-291 | S | CSC |  | D | D | PFF |  | 3 | 0 |  | 1 |  | F |
| 298 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 299 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 300 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 301 | 45-CA-291 | S | CSC |  | D | D | WHF |  | 2 | 1 | f | 4 | F | C |
| 302 | 45-CA-291 | S | CSC |  | D | D | ANW |  |  |  | P |  |  |  |
| 303 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 2 | 1 | f | 2 | F |  |
| 304 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 305 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 306 | 45-CA-291 | S | CSC |  | T | D |  |  | 2 |  | f |  |  |  |
| 307 | 45-CA-291 | S | CSC |  | D | D | PFF |  | 3 | 0 |  | 3 |  | T |
| 308 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 309 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 2 | 1 | P | 1 | F |  |
| 310 | 45-CA-291 | S | CSC |  | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 311 | 45-CA-291 | S | CSC |  | D | D | ANW |  |  |  |  |  |  |  |
| 312 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 313 | 45-CA-291 | S | CSC |  | T | Q |  |  |  |  |  |  |  |  |
| 314 | 45-CA-291 | S | CSC |  | D | D | ANW |  |  |  |  |  |  |  |
| 315 | 45-CA-291 | S | CSC |  | D | D | ANW |  |  |  |  |  |  |  |
| 316 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |


| 317 | 45-CA-291 | S | CSC | T | D |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 318 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 2 | f | 2 |  |  |
| 319 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 1 | P | 3 |  |  |
| 320 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 1 | f | 3 |  |  |
| 321 | 45-CA-291 | S | CSC | D | D | PFF | 3 | 0 |  | 1 |  | T |
| 322 | 45-CA-291 | S | CSC | D | D | NPF | 3 | 0 |  | 2 |  |  |
| 323 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 2 | I | 1 |  |  |
| 324 | 45-CA-291 | S | CSC | D | D | NPF | 3 | 0 |  | 1 | F |  |
| 325 | 45-CA-291 | S | CSC | D | D | WHF | 2 | 0 | f | 1 | F | C |
| 326 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 2 | I | 1 |  |  |
| 327 | 45-CA-291 | S | CSC | D | D | WHF | 2 | 1 | P | 2 | F | C |
| 328 | 45-CA-291 | S | CSC | D | D | PFF | 3 | 0 | P | 2 |  | C |
| 329 | 45-CA-291 | S | CSC | D | D | PFF | 3 | 0 | P | 2 |  | C |
| 330 | 45-CA-291 | S | CSC | D | D | NPF | 3 | 0 |  | 1 | F |  |
| 331 | 45-CA-291 | S | CSC | D | D | WHF | 3 | 0 |  | 2 | F | R |
| 332 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 1 | I | 1 |  |  |
| 333 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 1 | P | 3 |  |  |
| 334 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 1 | P | 1 |  |  |
| 335 | 45-CA-291 | S | CSC | D | D | ANW |  |  |  |  |  |  |
| 336 | 45-CA-291 | S | CSC | D | D | PFF | 2 | 1 | I | 1 |  | F |
| 337 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 1 | P | 2 |  |  |
| 338 | 45-CA-291 | S | CSC | D | D | ANW |  |  | I |  |  |  |
| 339 | 45-CA-291 | S | CSC | D | D | PFF | 3 | 0 |  | 2 |  | C |
| 340 | 45-CA-291 | S | CSC | D | D | ANW |  |  | P |  |  |  |
| 341 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 1 | P | 1 | F |  |
| 342 | 45-CA-291 | S | CSC | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 343 | 45-CA-291 | S | CSC | D | D | PFF | 3 | 0 |  | 2 |  | F |
| 344 | 45-CA-291 | S | CSC | D | D | WHF | 3 | 0 | P | 2 | F | C |
| 345 | 45-CA-291 | S | CSC | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 346 | 45-CA-291 | S | CSC | D | D | WHF | 3 | 0 | f | 2 | F | C |
| 347 | 45-CA-291 | S | CSC | D | D | NPF | 3 | 0 |  | 3 | F |  |
| 348 | 45-CA-291 | S | CSC | D | D | NPF | 3 | 0 |  | 4 |  |  |
| 349 | 45-CA-291 | S | CSC | D | D | WHF | 2 | 2 | P | 2 | F | T |
| 350 | 45-CA-291 | S | CSC | D | D | PFF | 3 | 0 |  | 2 | F | F |
| 351 | 45-CA-291 | S | CSC | D | D | NPF | 3 | 0 |  | 1 |  |  |
| 352 | 45-CA-291 | S | CSC | D | D | WHF | 2 | 1 | f | 3 | F | C |
| 353 | 45-CA-291 | S | CSC | D | D | NPF | 2 | 1 | f | 2 |  |  |
| 354 | 45-CA-291 | S | CSC | D | D | PFF | 3 | 0 | f | 2 |  | C |
| 355 | 45-CA-291 | S | CSC | T | D |  |  |  | P |  |  |  |


| 356 | 45-CA-291 | S | CSC |  | T | D |  |  |  |  | P |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 357 | 45-CA-291 | S | CSC |  | D | D | WHF |  | 2 | 2 | p | 2 | F | T |
| 358 | 45-CA-291 | S | CSC |  | T | D |  |  |  |  | P |  |  |  |
| 359 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 360 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 361 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 362 | 45-CA-291 | S | CSC |  | T | D |  |  |  |  | I |  |  |  |
| 363 | 45-CA-291 | S | CSC |  | D | D | NPF |  | 2 | 2 | f | 3 |  |  |
| 364 | 45-CA-291 | S | CSC |  | D | D | ANW |  |  |  | f |  |  |  |
| 365 | 45-CA-292 | S | CSC |  | T | D |  |  |  |  | P |  |  |  |
| 366 | 45-CA-292 | S | CSC |  | T | D |  |  |  |  |  | P |  |  |
| 367 | 45-CA-292 | S | CSC |  | T | D |  |  |  |  |  |  |  |  |
| 368 | 45-CA-292 | S | CSC |  | D | D | PFF |  | 1 | 3 | P | 0 |  | C |
| 369 | 45-CA-293 | S | CSC |  | D | D | WHF |  | 2 | 0 | P | 1 | F | F |
| 370 | 45-CA-293 | S | CSC |  | T | D |  |  |  |  | I |  |  |  |
| 371 | 45-CA-293 | S | CSC |  | D | D | NPF |  | 2 | 2 | f | 1 |  |  |
| 372 | 45-CA-293 | S | CSC |  | D | D | PFF |  | 3 | 0 |  | 2 |  | T |
| 373 | 45-CA-257 | S | CSC |  | T | D | WHF |  | 2 | 1 | f | 2 | F | F |
| 374 | 45-CA-257 | S | CSC |  | D | D | PFF |  | 2 | 1 | I | 3 |  | C |
| 375 | 45-CA-257 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 376 | 45-CA-257 | S | CSC |  | D | D | WHF |  | 1 | 3 | f | 0 | F | C |
| 377 | 45-CA-257 | S | CSC |  | D | D | PFF |  | 3 | 0 |  | 3 |  | F |
| 378 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | M | PFF |  | 2 | 1 |  | 1 |  | C |
| 379 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | T | M |  |  |  |  |  |  |  |  |
| 380 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | M | PFF |  | 2 | 2 |  | 1 |  | C |
| 381 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | F | WHF |  | 3 | 0 |  | 5 | F | C |
| 382 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | Q | NPF |  | 2 | 1 |  | 1 |  |  |
| 383 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | M | NPF |  | 2 | 1 |  | 1 |  |  |
| 384 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 3 |  | 0 | F |  |
| 385 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 3 |  | 0 | F |  |
| 386 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | S | WHF |  | 1 | 3 |  | 0 | F | C |
| 387 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 2 |  | 1 |  |  |
| 388 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 1 |  |  | F |  |
| 389 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | S | WHF | P | 1 | 3 |  | 0 | F | C |
| 390 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | S | PFF |  | 2 | 1 |  | 1 |  | C |
| 391 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 1 |  | 2 | F |  |
| 392 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | S | NPF |  | 3 | 0 |  | 2 | F |  |
| 393 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | NPF |  | 2 | 3 |  | 0 | F |  |


| 394 | 45-JE-238 | E | TEU 1 | LEVEL | D | M | NPF |  | 3 | 0 | 3 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 395 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | ANW |  |  |  |  |  |  |
| 396 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | ANW |  |  |  |  |  |  |
| 397 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | NPF |  | 3 | 0 | 1 | F |  |
| 398 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | ANW |  |  |  |  |  |  |
| 399 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | PFF |  | 3 | 0 | 2 |  | F |
| 400 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \end{aligned}$ | D | Q | WHF |  | 3 | 0 | 2 | F | F |
| 401 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | PFF |  | 3 | 0 | 1 |  | C |
| 402 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | C | PFF | B | 3 | 0 | 4 |  | T |
| 403 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | PFF | B | 3 | 0 | 2 |  | T |
| 404 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | M | PFF | B | 3 | 0 | 3 |  | F |
| 405 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | M | NPF |  | 3 | 0 | 2 |  |  |
| 406 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \end{aligned}$ | T | S |  |  |  |  |  |  |  |
| 407 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 2 | 1 | F |  |
| 408 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | PFF |  | 3 | 0 | 1 |  | C |
| 409 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | WHF | P | 1 | 3 | 0 | F | C |
| 410 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 3 | 0 | F |  |
| 411 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | S | WHF |  | 1 | 3 | 0 | F | C |
| 412 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 1 | 0 | F |  |
| 413 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | ANW |  |  |  |  |  |  |
| 414 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | PFF |  | 2 | 1 | 1 |  | C |
| 415 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 3 | 0 |  |  |
| 416 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | PFF |  | 2 | 3 | 0 |  | C |
| 417 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | WHF |  | 3 | 0 | 3 | F | C |
| 418 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | M | NPF |  | 3 | 0 | 1 | F |  |
| 419 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | M | NPF |  | 2 | 1 | 1 | F |  |
| 420 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | ANW |  |  |  |  |  |  |
| 421 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | M | PFF |  | 3 | 0 | 2 |  | C |
| 422 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | Q | ANW |  |  |  |  |  |  |
| 423 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | Q | NPF |  | 3 | 0 | 1 | F |  |
| 424 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | PFF |  | 3 | 0 | 1 |  | C |
| 425 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | PFF |  | 3 | 0 | 3 |  | C |
| 426 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | Q | ANW |  |  |  |  |  |  |
| 427 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | M | PFF |  | 2 | 1 | 3 |  | C |
| 428 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | M | PFF | B | 3 | 0 | 2 |  | T |
| 429 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | Q | ANW |  |  |  |  |  |  |


| 430 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \end{aligned}$ | D | Q | NPF |  | 3 | 0 | 1 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 431 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \end{aligned}$ | T | Q |  |  |  |  |  |  |  |
| 432 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \end{aligned}$ | D | S | WHF |  | 3 | 0 | 4 | F | C |
| 433 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | ANW |  |  |  |  |  |  |
| 434 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | WHF |  | 1 | 0 | 0 | F | C |
| 435 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | WHF |  | 1 | 3 | 0 | F | C |
| 436 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | WHF |  | 1 | 3 | 0 | F | C |
| 437 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | ANW |  |  |  |  |  |  |
| 438 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | WHF |  | 1 | 3 | 0 | F | C |
| 439 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \end{aligned}$ | D | S | NPF |  | 2 | 2 | 1 |  |  |
| 440 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | WHF | P | 1 | 3 | 0 | F | C |
| 441 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | S | PFF |  | 1 | 3 | 0 |  | C |
| 442 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | D | S | WHF |  | 3 | 0 | 2 | F | C |
| 443 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 3 | 0 | F |  |
| 444 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 1 | 1 | F |  |
| 445 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | D | S | WHF | P | 1 | 3 | 0 | F | C |
| 446 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | D | S | WHF | P | 1 | 3 | 0 | F | C |
| 447 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 6 \\ & \hline \end{aligned}$ | T | Q |  |  |  |  |  |  |  |
| 448 | 45-JE-238 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 6 \\ & \hline \end{aligned}$ | D | Q | PFF |  | 2 | 1 | 1 |  | C |
| 449 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | M | PFF |  | 2 | 1 | 2 | F | F |
| 450 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | M | PFF |  | 2 | 1 | 1 |  | F |
| 451 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | T | M |  |  |  |  |  |  |  |
| 452 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | F | ANW |  |  |  |  |  |  |
| 453 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | M | PFF | B | 3 | 0 | 3 |  | T |
| 454 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | WHF | P | 1 | 3 | 0 | F | C |
| 455 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | Q | WHF | P | 1 | 3 | 0 | F | C |
| 456 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | Q | WHF |  | 2 | 1 | 1 | F | C |
| 457 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 1 | 1 | F |  |
| 458 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | PFF |  | 2 | 1 | 1 |  | C |
| 459 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | S | NPF |  | 2 | 2 | 1 | F |  |
| 460 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | S |  |  |  |  |  |  |  |
| 461 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | S |  |  |  |  |  |  |  |
| 462 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | Q | WHF |  | 3 | 0 | 1 | F | C |
| 463 | 45-JE-238 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | S |  |  |  |  |  |  |  |
| 464 | 45-CA-432 | E | TEU 11 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 | 1 | F | T |
| 465 | 45-CA-432 | E | TEU 11 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 | 1 | F |  |


| 466 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 2 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 467 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | NPF | 3 | 0 |  | 3 |  |  |
| 468 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 469 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 470 | 45-CA-432 | E | TEU 15 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 471 | 45-CA-432 | E | TEU 15 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 1 | F |  |
| 472 | 45-CA-432 | E | TEU 44 | LEVEL | D | D | NPF | 3 | 0 |  | 1 | F |  |
| 473 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF | 2 | 1 | P | 2 | F |  |
| 474 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 2 |  | T |
| 475 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 1 | F |  |
| 476 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | T | D |  |  |  | f |  |  |  |
| 477 | 45-CA-432 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | NPF | 1 | 3 |  | 0 |  |  |
| 478 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \end{aligned}$ | D | Q | NPF | 2 | 2 |  | 2 | F |  |
| 479 | 45-CA-432 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | Q | PFF | 3 | 0 |  | 1 |  | C |
| 480 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | Q | PFF | 3 | 0 |  | 2 |  | T |
| 481 | 45-CA-432 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | G | WHF | 2 | 2 |  | 1 | F | C |
| 482 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |
| 483 | 45-CA-432 | E | TEU 28 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |
| 484 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |
| 485 | 45-CA-432 | E | TEU 45 | $\begin{aligned} & \text { LEVEL } \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |
| 486 | 45-CA-432 | E | TEU 45 | $\begin{aligned} & \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 487 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 488 | 45-CA-432 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | D | WHF | 2 | 2 | P | 1 | F | C |
| 489 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF | 2 | 1 | I | 1 | F | C |
| 490 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |
| 491 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |
| 492 | 45-CA-432 | E | TEU 28 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | Q |  |  |  |  |  |  |  |
| 493 | 45-CA-432 | E | TEU 3 | LEVEL | D | Q | ANW |  |  |  |  |  |  |
| 494 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | Q | PFF | 3 | 0 |  | 2 |  | C |
| 495 | 45-CA-432 | E | TEU 14 | LEVEL | D | Q | PFF | 3 | 0 |  | 2 |  | C |
| 496 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | Q | NPF | 2 | 1 |  | 1 |  |  |
| 497 | 45-CA-432 | E | TEU 45 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | Q | ANW |  |  |  |  |  |  |
| 498 | 45-CA-432 | E | TEU 45 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | Q | ANW |  |  |  |  |  |  |
| 499 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | Q | WHF | 3 | 0 |  | 1 | F | T |
| 500 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Q | WHF | 3 | 0 |  | 2 | F | C |
| 501 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | Q | NPF | 3 | 0 |  | 2 |  |  |


| 502 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | Q | PFF | B | 3 | 0 |  | 3 |  | F |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 503 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | D | Q | PFF | B | 3 | 0 |  | 3 |  | T |
| 504 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 2 | P | 1 | F | C |
| 505 | 45-CA-432 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 |  | T |
| 506 | 45-CA-432 | E | TEU 43 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 507 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 2 |  | C |
| 508 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | Q | NPF |  | 2 | 1 |  | 2 | F |  |
| 509 | 45-CA-432 | E | TEU 30 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 510 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 511 | 45-CA-432 | E | TEU 33 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | D | NPF |  | 2 | 1 | f | 2 | F |  |
| 512 | 45-CA-432 | E | TEU 11 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 513 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 |  |  |
| 514 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | P | 1 |  | C |
| 515 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 516 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 517 | 45-CA-432 | E | TEU 11 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 518 | 45-CA-432 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 519 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 1 | F |  |
| 520 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 3 | P | 0 | F |  |
| 521 | 45-CA-432 | E | TEU 34 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 522 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 523 | 45-CA-432 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 524 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 |  | T |
| 525 | 45-CA-432 | E | TEU 44 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 526 | 45-CA-432 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 |  | T |
| 527 | 45-CA-432 | E | TEU 10 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 528 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | L | 3 | 0 | P | 2 |  | C |
| 529 | 45-CA-432 | E | TEU 34 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 1 | 3 | P | 0 | F | C |
| 530 | 45-CA-432 | E | TEU 12 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | I | 3 |  | F |
| 531 | 45-JE-238 | S |  |  | T | M | PFF |  | 2 | 1 |  | 1 |  | C |
| 532 | 45-JE-238 | S |  |  | D | Z | WHF |  | 3 | 0 |  | 2 | F | C |
| 533 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | T | D | PFF |  | 2 | 1 | F | 2 |  | C |
| 534 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 1 | F | C |
| 535 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | S | WHF |  | 3 | 0 |  | 3 | F | T |
| 536 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 537 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 |  |  |


| 538 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | Z | ANW |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 539 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 |  | T |
| 540 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 541 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | T | Z |  |  |  |  |  |  |  |  |
| 542 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 2 |  | C |
| 543 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 |  |  |
| 544 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 545 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 |  | T |
| 546 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 2 | P | 1 | F | F |
| 547 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 548 | 45-CA-270 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 549 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 550 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | P | 1 | F |  |
| 551 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 552 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 2 | P | 1 | F | C |
| 553 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | T | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 554 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 1 \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 555 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 4 |  |  |
| 556 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 557 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 558 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 2 | F |  |
| 559 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 560 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 561 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 |  |  |
| 562 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 563 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 3 | F |  |
| 564 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | T | D | NPF |  | 2 | 1 | P | 3 |  |  |
| 565 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | P | 1 |  | C |
| 566 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 567 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 568 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 569 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 570 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 571 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 1 | F |  |
| 572 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | I | 1 | F | C |
| 573 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | 1 | 1 | F |  |


| 574 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 575 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 |  |  |
| 576 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 577 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | P |  |  |  |
| 578 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 579 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 1 |  | F |
| 580 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 581 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 582 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S}_{1} \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 583 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 584 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 |  | F |
| 585 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 586 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 1 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 |  | T |
| 587 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 |  |  |
| 588 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 3 | F |  |
| 589 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 3 | P | 0 |  |  |
| 590 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 591 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 1 \\ & \hline \end{aligned}$ | T | D | NPF |  | 2 | 1 | F | 3 | F |  |
| 592 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 593 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 594 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 2 | F |  |
| 595 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 |  | C |
| 596 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 1 |  |  |
| 597 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 3 |  |  |
| 598 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 599 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 600 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 601 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 602 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 603 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 |  | C |
| 604 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | T | D | NPF |  | 2 | 1 | P | 2 |  |  |
| 605 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 |  | F |
| 606 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 607 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 2 |  | C |
| 608 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | T | D | PFF |  | 3 | 0 | P | 2 |  | C |
| 609 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | M | ANW |  |  |  |  |  |  |  |


| 610 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 611 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | M | ANW |  |  |  |  |  |  |  |
| 612 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 1 | F |  |
| 613 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 4 | S | T |
| 614 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S}_{2} \\ & \hline \end{aligned}$ | D | M | ANW |  |  |  |  |  |  |  |
| 615 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | T | D | NPF |  | 2 | 0 | P | 2 |  |  |
| 616 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S}_{2} \\ & \hline \end{aligned}$ | D | M | ANW |  |  |  |  |  |  |  |
| 617 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | WHF | B | 2 | 1 | P | 3 | F | T |
| 618 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 |  | F |
| 619 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | T |
| 620 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 621 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 622 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | I | 1 |  | F |
| 623 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 624 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 625 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 626 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | T | D | WHF |  | 3 | 0 |  | 3 |  | F |
| 627 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | M | ANW |  |  |  |  |  |  |  |
| 628 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 629 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 630 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 631 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 632 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | T | M |  |  |  |  |  |  |  |  |
| 633 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 634 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 635 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 636 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 637 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | P | 1 | F |  |
| 638 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 639 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S}_{2} \\ & \hline \end{aligned}$ | D | M | NPF |  | 2 | 2 |  | 2 | F |  |
| 640 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | T | M | ANW |  |  |  |  |  |  |  |
| 641 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 642 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 643 | 45-CA-270 | S | CSC | $\begin{aligned} & \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 644 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 645 | 45-CA-270 | S | CSC | $\begin{aligned} & \hline \text { LOCU } \\ & \text { S } 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |


|  |  |
| ---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 646 | 45-CA-270 | S


| 683 | 45-CA-439 | S | CSC | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 684 | 45-CA-439 | S | CSC | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 685 | 45-CA-439 | S | CSC | D | D | PFF |  | 2 | 1 | F | 2 | F | C |
| 686 | 45-CA-439 | S | CSC | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 687 | 45-CA-439 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 688 | 45-CA-439 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 689 | 45-CA-439 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 690 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 691 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 692 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 693 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 694 | 45-CA-438 | S | CSC | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 695 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 696 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 697 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 |  |  |
| 698 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 699 | 45-CA-438 | S | CSC | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 700 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 701 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 702 | 45-CA-438 | S | CSC | D | D | NPF |  | 2 | 2 | F | 1 | F |  |
| 703 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 704 | 45-CA-438 | S | CSC | D | D | NPF |  | 2 | 1 | F | 1 | S |  |
| 705 | 45-CA-438 | S | CSC | D | D | WHF |  | 1 | 3 | F | 0 | F | F |
| 706 | 45-CA-438 | S | CSC | D | D | WHF |  | 2 | 1 | F | 3 | F | F |
| 707 | 45-CA-438 | S | CSC | D | D | WHF |  | 2 | 1 | F | 3 | F | T |
| 708 | 45-CA-438 | S | CSC | D | D | ANW |  |  |  |  |  |  |  |
| 709 | 45-CA-438 | S | CSC | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 710 | 45-CA-438 | S | CSC | T | D | NPF |  | 2 | 1 | P | 1 | F |  |
| 711 | 45-CA-438 | S | CSC | D | D | PFF |  | 2 | 1 | P | 2 | S | T |
| 712 | 45-CA-438 | S | CSC | T | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 713 | 45-CA-438 | S | CSC | D | D | WHF |  | 3 | 0 |  | 1 | F | F |
| 714 | 45-CA-438 | S | CSC | D | D | WHF |  | 3 | 0 | F | 2 | F | C |
| 715 | 45-CA-438 | S | CSC | D | D | PFF |  | 2 | 1 | F | 1 |  | T |
| 716 | 45-CA-438 | S | CSC | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 717 | 45-CA-438 | S | CSC | D | D | PFF |  | 2 | 1 | P | 2 | S | C |
| 718 | 45-CA-438 | S | CSC | D | D | WHF |  | 3 | 0 | F | 2 | F | C |
| 719 | 45-CA-438 | S | CSC | D | D | NPF |  | 2 | 1 | F | 1 | S |  |
| 720 | 45-JE-234 | S | CSC | D | D | WHF | B | 3 | 0 |  | 4 | F | T |
| 721 | 45-MS-113 | S | CSC | D | D | NPF |  | 3 | 0 |  | 2 | S |  |


| 722 | 45-CA-446 | S | CSC |  | D | D | ANW |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 723 | 45-JE-107 | S | CSC |  | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 724 | 45-CA-445 | S | CSC |  | D | D | PFF |  | 3 | 0 | I | 2 | S | C |
| 725 | 45-CA-437 | S | CSC |  | D | D | WHF |  | 3 | 0 |  | 3 | F | T |
| 726 | 45-CA-437 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 727 | 45-CA-437 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 728 | 45-CA-437 | S | CSC |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 729 | 45-CA-SC | E | SQ 6 |  | T | F | WHF |  | 1 | 3 |  | 0 | H | C |
| 730 | 45-CA-SC | E | TEU 7 |  | D | S | WHF |  | 2 | 1 |  | 2 | F | F |
| 731 | 45-CA-SC | E | SQ 6 | $\begin{aligned} & \text { LEVEL } \\ & 10-20 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 2 | S | F |
| 732 | 45-CA-SC | E | SQ 10 |  | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 733 | 45-CA-SC | E | SQ 10 |  | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 734 | 45-CA-SC | E | SQ 22 |  | D | D | PFF | B | 3 | 0 |  | 3 |  | F |
| 735 | 45-CA-SC | E | SQ 23 |  | D | D | ANW |  |  |  | P |  |  |  |
| 736 | 45-CA-SC | E | SQ 23 |  | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 737 | 45-CA-SC | E | SQ 23 |  | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 738 | 45-CA-SC | E | SQ 23 |  | D | M | NPF |  | 2 | 1 |  | 3 | F |  |
| 739 | 45-CA-SC | E | SQ 24 |  | T | M |  |  |  |  |  |  |  |  |
| 740 | 45-CA-SC | E | SQ 24 |  | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 741 | 45-CA-SC | E | SQ 24 |  | D | S | NPF |  | 2 | 1 |  | 2 | F |  |
| 742 | 45-CA-SC | E | SQ 24 | CN 7 | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 743 | 45-CA-SC | E | SQ 24 | CN 17 | D | M | NPF |  | 2 | 1 |  | 2 |  |  |
| 744 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 745 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 746 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | WHF |  | 2 | 1 | F | 5 | F | T |
| 747 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | PFF |  | 3 | 0 | F | 3 | S | C |
| 748 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | WHF |  | 2 | 1 | F | 3 | F | C |
| 749 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | WHF |  | 3 | 0 | F | 3 | F | C |
| 750 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 2 | 1 | F | 1 |  |  |
| 751 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 752 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 2 | 1 | P | 3 | F |  |
| 753 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 754 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | PFF |  | 3 | 0 |  | 4 | S | F |
| 755 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 756 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 757 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 758 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | PFF |  | 3 | 0 | F | 3 | S | C |
| 759 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | ANW |  |  |  |  |  |  |  |


| 760 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | PFF |  | 3 | 0 | F | 2 |  | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 761 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 2 | 2 | P | 1 | S |  |
| 762 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 763 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 764 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 765 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 766 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 767 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 768 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 769 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 770 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 771 | 45-CA-SC | E | SQ 25 | CN 290 | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 772 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 773 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 774 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 775 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 776 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 777 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 778 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | NPF |  | 2 | 2 | F | 1 | F |  |
| 779 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 780 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | WHF | B | 3 | 0 |  | 4 | F | T |
| 781 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 782 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | PFF |  | 2 | 1 | F | 1 | S | F |
| 783 | 45-CA-SC | E | SQ 25 | CN 292 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 784 | 45-CA-SC | E | SQ 26 | CN 304 | T | D |  |  |  |  | F |  |  |  |
| 785 | 45-CA-SC | E | SQ 26 | CN 304 | D | D | WHF |  | 3 | 0 | P | 1 | F | C |
| 786 | 45-CA-SC | E | SQ 26 | CN 304 | D | D | ANW |  |  |  |  |  |  |  |
| 787 | 45-CA-SC | E | SQ 26 | CN 305 | D | D | PFF |  | 2 | 1 | P | 2 | S | C |
| 788 | 45-CA-SC | E | TU 28 | CN 302 | D | M | PFF |  | 2 | 1 |  | 1 | S | T |
| 789 | 45-CA-SC | E | SQ 28 | CN 302 | D | M | PFF |  | 3 | 0 |  | 2 | S | T |
| 790 | 45-CA-SC | E | SQ 29 | CN 108 | T | D |  |  |  |  | P |  |  |  |
| 791 | 45-CA-SC | E | SQ 29 | CN 108 | D | D | ANW |  |  |  | I |  |  |  |
| 792 | 45-CA-SC | E | SQ 29 | CN 108 | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 793 | 45-CA-SC | E | SQ 29 | CN 108 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 794 | 45-CA-SC | E | SQ 29 | CN 108 | D | M | PFF | B | 3 | 0 |  | 2 | S | T |
| 795 | 45-CA-SC | E | SQ 29 | CN 106 | D | D | WHF |  | 2 | 2 | F | 1 | F | T |
| 796 | 45-CA-SC | E | SQ 29 | CN 106 | T | M | PFF |  | 2 | 1 |  | 2 | S | C |
| 797 | 45-CA-SC | E | SQ 29 | CN 106 | D | D | PFF | B | 3 | 0 |  | 3 | S | F |
| 798 | 45-CA-SC | E | SQ 29 | CN 106 | D | D | NPF |  | 3 | 0 |  | 2 | S |  |


| 799 | 45-CA-SC | E | SQ 29 | CN 106 | D | D | ANW |  |  |  | P |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 800 | 45-CA-SC | E | TEU 31 | CN 24 | D | D | WHF |  | 2 | 2 | P | 1 | F | C |
| 801 | 45-CA-SC | E | TEU 31 | CN 24 | D | D | WHF |  | 2 | 1 | P | 3 | F | F |
| 802 | 45-CA-SC | E | TEU 31 | CN 28 | D | D | NPF |  | 2 | 1 | F | 1 | S |  |
| 803 | 45-CA-SC | E | TEU 31 | CN 30 | D | D | ANW |  |  |  | P |  |  |  |
| 804 | 45-CA-SC | E | TU 31 | CN 28 | D | S | NPF |  | 2 | 2 |  | 2 | F |  |
| 805 | 45-CA-SC | E | SQ 32 | CN 34 | T | D |  |  |  |  | F |  |  |  |
| 806 | 45-CA-SC | E | SQ 32 | CN 34 | D | M | NPF |  | 2 | 1 |  | 1 | F |  |
| 807 | 45-CA-SC | E | SQ 32 | CN 34 | D | M | NPF |  | 3 | 0 |  | 1 | S |  |
| 808 | 45-CA-SC | E | SQ 32 | CN 34 | T | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 809 | 45-CA-SC | E | SQ 34 | CN 62 | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 810 | 45-CA-SC | E | SQ 34 | CN 64 | D | S | WHF |  | 2 | 2 |  | 1 | F | F |
| 811 | 45-CA-SC | E | SQ 34 | CN 64 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 812 | 45-CA-SC | E | SQ 34 | CN 64 | D | C | ANW |  |  |  |  |  |  |  |
| 813 | 45-CA-SC | E | SQ 34 | CN 64 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 814 | 45-CA-SC | E | SQ 34 | CN 52 | T | D |  |  |  |  | p |  |  |  |
| 815 | 45-CA-SC | E | SQ 36 | CN 74 | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 816 | 45-CA-SC |  | SQ 36 | CN 76 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 817 | 45-CA-SC | E | SQ 36 | CN 76 | D | D | NPF |  | 3 | 3 | P | 0 | F |  |
| 818 | 45-CA-SC | E | SQ 36 | CN 70 | T | S | WHF |  | 2 | 1 |  | 1 | F | C |
| 819 | 45-CA-SC | E | SQ 37 | CN 196 | D | D | ANW |  |  |  |  |  |  |  |
| 820 | 45-CA-SC | E | SQ 37 | CN 196 | D | D | PFF |  | 3 | 0 | P | 2 | S | C |
| 821 | 45-CA-SC | E | SQ 37 | CN 196 | D | D | WHF |  | 2 | 1 | P | 1 | F | C |
| 822 | 45-CA-SC | E | SQ 37 | CN 196 | T | D | WHF |  | 2 | 1 | P | 5 | F | C |
| 823 | 45-CA-SC | E | SQ 38 | CN 36 | D | D | NPF |  | 2 | 2 | P | 2 | F |  |
| 824 | 45-CA-SC | E | SQ 38 | CN 36 | D | D | NPF |  | 2 | 1 | P | 4 | F | C |
| 825 | 45-CA-SC | E | SQ 38 | CN 36 | D | C | PFF |  | 3 | 0 |  | 2 | S | F |
| 826 | 45-CA-SC | E | SQ 38 | CN 36 | D | S | NPF |  | 3 | 0 |  | 1 | F |  |
| 827 | 45-CA-SC | E | SQ 38 | CN 36 | D | D | PFF |  | 2 | 1 | P | 1 | S | T |
| 828 | 45-CA-SC | E | SQ 38 | CN 36 | D | D | ANW |  |  |  |  |  |  |  |
| 829 | 45-CA-SC | E | SQ 38 | CN 36 | D | D | NPF |  | 2 | 2 | P | 1 | F |  |
| 830 | 45-CA-SC | E | SQ 38 | CN 36 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 831 | 45-CA-SC | E | SQ 38 | CN 204 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 832 | 45-CA-SC | E | SQ 38 | CN 204 | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 833 | 45-CA-SC | E | SQ 38 | CN 204 | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 834 | 45-CA-SC | E | SQ 38 | CN 204 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 835 | 45-CA-SC | E | SQ 38 | CN 204 | D | D | NPF |  | 3 | 0 |  | 4 | S |  |
| 836 | 45-CA-SC | E | SQ 38 | CN 204 | D | D | PFF |  | 2 | 1 | P | 3 | S | F |
| 837 | 45-CA-SC | E | SQ 38 | CN 204 | D | D | WHF |  | 3 | 0 | F | 3 | F | C |


| 838 | 45-CA-SC | E | SQ 38 | CN 204 | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 839 | 45-CA-SC | E | SQ 38 | CN 208 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 840 | 45-CA-SC | E | SQ 38 | CN 208 | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 841 | 45-CA-SC | E | SQ 38 | CN 208 | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 842 | 45-CA-SC | E | SQ 38 | CN 208 | D | Q | NPF |  | 3 | 0 |  | 1 | F |  |
| 843 | 45-CA-SC | E | SQ 39 | CN 44 | D | D | ANW |  |  |  |  |  |  |  |
| 844 | 45-CA-SC | E | SQ 39 | CN 44 | D | G | WHF |  | 3 | 0 |  | 3 | F | C |
| 845 | 45-CA-SC | E | SQ 39 | CN 44 | D | M | WHF |  | 2 | 0 |  | 2 | F | C |
| 846 | 45-CA-SC | E | SQ 39 | CN 44 | D | M | NPF |  | 3 | 0 |  | 2 | F |  |
| 847 | 45-CA-SC | E | SQ 39 | CN 46 | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 848 | 45-CA-SC | E | SQ 39 | CN 46 | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 849 | 45-CA-SC | E | SQ 39 | CN 222 | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 850 | 45-CA-SC | E | SQ 39 | CN 222 | D | D | PFF | B | 3 | 0 |  | 4 | S | T |
| 851 | 45-CA-SC | E | SQ 39 | CN 222 | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 852 | 45-CA-SC | E | SQ 39 | CN 222 | D | D | WHF |  | 2 | 1 | P | 1 | F | F |
| 853 | 45-CA-SC | E | SQ 39 | CN 222 | D | D | NPF |  | 2 | 1 | P | 4 | F | R |
| 854 | 45-CA-SC | E | SQ 41 | CN 184 | D | S | NPF |  | 3 | 3 |  | 0 | F |  |
| 855 | 45-CA-SC | E | SQ 41 | CN 182 | D | D | NPF |  | 2 | 2 | P | 1 | F |  |
| 856 | 45-CA-SC | E | SQ 50 | CN 152 | D | M | NPF |  | 2 | 2 |  | 2 | F |  |
| 857 | 45-CA-SC | E | SQ 50 | CN 152 | D | M | NPF |  | 3 | 0 |  | 1 | F |  |
| 858 | 45-CA-SC | E | SQ 50 | CN 152 | D | S | ANW |  |  |  |  |  |  |  |
| 859 | 45-CA-SC | E | SQ 50 | CN 154 | D | M | NPF |  | 3 | 0 |  | 3 | F |  |
| 860 | 45-CA-SC | E | SQ 50 | CN 154 | D | C | NPF |  | 3 | 0 |  | 1 | F |  |
| 861 | 45-CA-SC | E | SQ 51 | CN 160 | D | C | NPF |  | 3 | 0 |  | 5 | F |  |
| 862 | 45-CA-SC | E | SQ 51 | CN 160 | D | S | PFF |  | 2 | 2 |  | 1 |  | F |
| 863 | 45-CA-SC | E | SQ 51 | CN 170 | D | D | PFF | B | 3 | 0 |  | 4 | S | T |
| 864 | 45-CA-SC | E | SQ 51 | CN 170 | D | M | ANW |  |  |  |  |  |  |  |
| 865 | 45-CA-SC | E | SQ 51 | CN 170 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 866 | 45-CA-SC | E | SQ 51 | CN 170 | D | D | WHF |  | 2 | 1 | P | 2 | F | T |
| 867 | 45-CA-SC | E | SQ 51 | CN 160 | T | C |  |  |  |  |  |  |  |  |
| 868 | 45-CA-SC | E | SQ 52 |  | D | S | NPF |  | 2 | 1 |  | 1 | S |  |
| 869 | 45-CA-SC | E | SQ 52 |  | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 870 | 45-CA-SC | E | SQ 52 |  | T | D |  |  |  |  | P |  |  |  |
| 871 | 45-CA-SC | E | SQ 52 |  | D | D | NPF |  | 2 | 1 | P | 1 | S |  |
| 872 | 45-CA-SC | E | SQ 52 |  | D | D | WHF | B | 3 | 0 |  | 5 | F | T |
| 873 | 45-CA-SC | E | SQ 53 | CN 210 | D | M | PFF |  | 2 | 3 |  | 0 | S | F |
| 874 | 45-CA-SC | E | SQ 53 | CN 298 | D | M | NPF |  | 2 | 3 |  | 0 | F |  |
| 875 | 45-CA-SC | E | SQ 53 | CN 298 | D | Q | NPF |  | 3 | 0 |  | 3 | F |  |
| 876 | 45-CA-SC | E | SQ 52 | $\begin{aligned} & \hline \text { CN } \\ & 174-1 \\ & \hline \end{aligned}$ | T | C |  |  |  |  |  |  |  |  |


| 877 | 45-CA-SC | E | SQ 52 | CN 172 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 878 | 45-CA-SC | E | SQ 52 |  | D | M | NPF |  | 3 | 0 |  | 1 | S |  |
| 879 | 45-CA-SC | E | SQ 54 | CN 172 | D | S | ANW |  |  |  |  |  |  |  |
| 880 | 45-CA-SC | E | SQ 54 | CN 214 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 881 | 45-CA-SC | E | SQ 54 | $\begin{aligned} & \hline \mathrm{CN} \\ & 218-1 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 882 | 45-CA-SC | E | SQ 54 | CN 224 | T | C |  |  |  |  |  |  |  |  |
| 883 | 45-CA-SC | E | TEU 55 | NA | D | D | PFF | B | 2 | 1 | F | 4 | S | T |
| 884 | 45-CA-SC | E | TEU 55 | NA | D | D | NPF |  | 2 | 3 | P | 0 | S |  |
| 885 | 45-CA-SC | E | TEU 55 | CN 228 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 886 | 45-CA-SC | E | TEU 55 | CN 228 | D | D | ANW |  |  |  |  |  |  |  |
| 887 | 45-CA-SC | E | TEU 55 | CN 235 | D | M | NPF |  | 2 | 1 |  | 1 | F |  |
| 888 | 45-CA-SC | E | SQ 56 | CN 240 | T | D |  |  |  |  | I |  |  |  |
| 889 | 45-CA-SC | E | SQ 56 | CN 240 | D | D | ANW |  |  |  | F |  |  |  |
| 890 | 45-CA-SC | E | SQ 56 | CN 240 | D | D | NPF |  | 2 | 1 | P | 1 | F |  |
| 891 | 45-CA-SC | E | SQ 56 | CN 240 | D | D | PFF | B | 3 | 0 |  | 3 | F | T |
| 892 | 45-CA-SC | E | SQ 56 | CN 240 | D | D | PFF |  | 2 | 1 | P | 2 | S | C |
| 893 | 45-CA-SC | E | SQ 56 | CN 240 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 894 | 45-CA-SC | E | SQ 56 | CN 240 | D | M | NPF |  | 3 | 0 |  | 1 | F |  |
| 895 | 45-CA-SC | E | SQ 56 | CN 256 | D | M | NPF |  | 2 | 2 |  | 2 | F |  |
| 896 | 45-CA-SC | E | SQ 56 | CN 244 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 897 | 45-CA-SC | E | SQ 56 | CN 244 | D | M | NPF |  | 2 | 1 |  | 1 | F |  |
| 898 | 45-CA-SC | E | SQ 58 | CN 98 | D | D | WHF |  | 2 | 1 | I | 1 | F | C |
| 899 | 45-CA-SC | E | SQ 59 | CN 260 | D | S | NPF |  | 2 | 3 |  | 0 | F |  |
| 900 | 45-CA-SC | E | SQ 59 | CN 260 | D | S | WHF |  | 1 | 3 |  | 0 | F | C |
| 901 | 45-CA-SC | E | SQ 59 | CN 260 | D | M | NPF |  | 3 | 0 |  | 1 | F |  |
| 902 | 45-CA-SC | E | SQ 59 | CN 260 | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 903 | 45-CA-SC | E | SQ 59 | CN 262 | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 904 | 45-CA-SC | E | SQ 59 | CN 262 | T | C | NPF |  | 3 | 0 |  | 4 | F |  |
| 905 | 45-CA-SC | E | SQ 59 | CN 264 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 906 | 45-CA-SC | E | SQ 60 | CN 266 | D | M | NPF |  | 2 | 3 |  | 0 | F |  |
| 907 | 45-CA-SC | E | SQ 60 | CN 266 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 908 | 45-CA-SC | E | SQ 60 | CN 266 | D | S | NPF |  | 3 | 0 |  | 2 | F |  |
| 909 | 45-CA-SC | E | SQ 60 | CN 266 | D | G | NPF |  | 2 | 3 |  | 0 | F |  |
| 910 | 45-CA-SC | E | SQ 60 | CN 266 | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 911 | 45-CA-SC | E | SQ 60 | CN 266 | D | D | PFF |  | 2 | 1 | I | 3 | S | F |
| 912 | 45-CA-SC | E | SQ 60 | CN 266 | D | D | WHF |  | 2 | 2 | F | 1 | F | T |
| 913 | 45-CA-SC | E | SQ 61 | CN 268 | D | D | WHF | B | 2 | 1 | F | 4 | F | T |
| 914 | 45-CA-SC | E | SQ 61 | CN 268 | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 915 | 45-CA-SC | E | SQ 61 | CN 268 | D | D | PFF |  | 3 | 0 |  | 2 | S | F |


| 916 | 45-CA-SC | E | SQ 61 | CN 268 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 917 | 45-CA-SC | E | SQ 61 | CN 268 | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 918 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 919 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 920 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 1 | F | T |
| 921 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 922 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 923 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 924 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 925 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | P |  |  |  |
| 926 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 927 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 928 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | S |  |
| 929 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 930 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 931 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | F | 3 |  | C |
| 932 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 | S |  |
| 933 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 1 | 3 | F | 0 | F | C |
| 934 | 45-CA-487 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 935 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S1 } \\ & \hline \end{aligned}$ | D | Z |  |  |  |  |  |  |  |  |
| 936 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S1 } \\ & \hline \end{aligned}$ | D | M | ANW |  |  |  |  |  |  |  |
| 937 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | P | 1 | F |  |
| 938 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 939 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 940 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 941 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 942 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | T | D | PFF |  | 2 | 2 | I | 3 | S | C |
| 943 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | I | 2 | S | C |
| 944 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S } 2 \\ & \hline \end{aligned}$ | D | S | PFF |  | 3 | 0 |  | 1 | S | C |
| 945 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | P | 3 | F |  |
| 946 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 947 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 948 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | C |
| 949 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 4 | S | T |
| 950 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 951 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |


| 952 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 953 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 954 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 955 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 956 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 1 |  | 3 | F |  |
| 957 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | WHF |  | 3 | 0 | F | 3 | F | C |
| 958 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 959 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 960 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 961 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | T | D | PFF |  | 3 | 0 | P | 3 | S | C |
| 962 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | T | D | PFF |  | 3 | 0 |  | 3 | F | F |
| 963 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | T | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 964 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 965 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 966 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | ANW |  |  |  | I |  |  |  |
| 967 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 4 | S | T |
| 968 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 969 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | I | 1 | S | T |
| 970 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 971 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | I | 2 | F | F |
| 972 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 4 | S | F |
| 973 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 974 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | F | 1 | F | T |
| 975 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 976 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | P | 1 |  | C |
| 977 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 978 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 979 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 2 | P | 1 | S | F |
| 980 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 3 | F |  |
| 981 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 3 | S |  |
| 982 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 983 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 984 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 985 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 3 | I | 0 | F |  |
| 986 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | WHF | B | 2 | 1 | P | 3 | F | T |
| 987 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 2 | F | T |


| 988 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | P |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 989 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | T | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 990 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 991 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | PFF |  | 2 | 2 | P | 1 | S | T |
| 992 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | H |  |
| 993 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 3 | P | 0 | S |  |
| 994 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 1 | S |  |
| 995 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 4 | S | F |
| 996 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | P | 2 | S |  |
| 997 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 998 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 999 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1000 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1001 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1002 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 1003 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 4 | F | T |
| 1004 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1005 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1006 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1007 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | H |  |
| 1008 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1009 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1010 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1011 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1012 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1013 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1014 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | H | F |
| 1015 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1016 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1017 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1018 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1019 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 3 | P | 0 | F |  |
| 1020 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1021 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1022 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1023 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |


| 1024 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1025 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S |  |
| 1026 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1027 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1028 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1029 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1030 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1031 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1032 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1033 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | S |  |
| 1034 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 1 | S |  |
| 1035 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | P |  |  |  |
| 1036 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1037 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | P | 1 | S |  |
| 1038 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1039 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1040 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 1041 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 3 | F | 0 | F |  |
| 1042 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1043 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1044 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1045 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1046 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 1047 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1048 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 1 | S |  |
| 1049 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1050 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 2 | I | 1 | S | T |
| 1051 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1052 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1053 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1054 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 2 | 3 | P | 0 | F |  |
| 1055 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1056 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 3 | F |  |
| 1057 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1058 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1059 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |


| 1060 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1061 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1062 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S |  |
| 1063 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1064 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 1 | F |  |
| 1065 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1066 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1067 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1068 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1069 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 1070 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1071 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \\ & \hline \end{aligned}$ | T | Q |  |  |  |  |  |  |  |  |
| 1072 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S2 } \end{aligned}$ | T | M |  |  |  |  |  |  |  |  |
| 1073 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 1074 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 1075 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1076 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 5/S2 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 2 | 1 | F | 3 | S | T |
| 1077 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 5/S2 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1078 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | I |  |  |  |
| 1079 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1080 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 1 | S | C |
| 1081 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 5/S2 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 1082 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | T |
| 1083 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1084 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 5/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1085 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 5/S2 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 2 | P | 2 | F | C |
| 1086 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1087 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | F | T |
| 1088 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1089 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1090 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1091 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 5 / \mathrm{S} 2 \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 2 | F | C |
| 1092 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 5/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1093 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 1094 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 5/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 2 | S | C |
| 1095 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |


| 1096 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1097 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 5/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1098 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 1099 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 5/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 1100 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | T | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1101 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 6/S1 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1102 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \hline \end{aligned}$ | T | D | NPF |  | 3 | 0 |  | 2 |  |  |
| 1103 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | P |  |  |  |
| 1104 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 |  | T |
| 1105 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | I |  |  |  |
| 1106 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | T | M | WHF |  | 2 | 1 |  | 5 | F | C |
| 1107 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 4 | F | T |
| 1108 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 2 | F |  |
| 1109 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | I | 2 | F |  |
| 1110 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 5 | F | T |
| 1111 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 4 | F | T |
| 1112 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1113 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1114 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1115 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1116 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1117 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1118 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 1119 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1120 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1121 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | Z | ANW |  |  |  |  |  |  |  |
| 1122 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 1123 | 45-CA-487 | E | TEU 3 | LEVEL | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1124 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | I | 3 | F | F |
| 1125 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1126 | 45-CA-487 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \end{aligned}$ | D | M | PFF |  | 3 | 0 |  | 2 | S | T |
| 1127 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1128 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1129 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1130 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | M | NPF |  | 2 | 1 |  | 1 | F |  |
| 1131 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | T | D | WHF |  | 2 | 2 | I | 2 | F | F |


| 1132 | 45-CA-487 | E | TEU 4 | LEVEL $2$ | T | D | NPF |  | 2 | 2 | I | 1 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1133 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1134 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1135 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | M | WHF |  | 3 | 0 |  | 3 | F | F |
| 1136 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | C |
| 1137 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF | B | 3 | 0 |  | 3 | F |  |
| 1138 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | T | D |  |  |  |  |  |  |  |  |
| 1139 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1140 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | C | WHF | B | 3 | 0 |  | 4 | F | T |
| 1141 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1142 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | M | ANW |  |  |  |  |  |  |  |
| 1143 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | PFF | b | 2 | 1 | P | 2 | S | T |
| 1144 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | C |
| 1145 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1146 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | M | ANW |  |  |  |  |  |  |  |
| 1147 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1148 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1149 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 2 | 1 | I | 1 | F |  |
| 1150 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \end{array}$ | D | D | NPF |  | 2 | 3 | F | 0 | F |  |
| 1151 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1152 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | T |
| 1153 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | WHF |  | 2 | 1 | F | 2 | F | T |
| 1154 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 2 | 0 |  | 3 | S | T |
| 1155 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 1156 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1157 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1158 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 2 | 3 | P | 0 | S |  |
| 1159 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1160 | 45-CA-487 | E | TEU 4 | LEVEL | D | D | NPF |  | 2 | 1 | I |  | F |  |
| 1161 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | T | D |  |  |  |  | P |  |  |  |
| 1162 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1163 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | WHF |  | 2 | 1 | P | 2 | F | F |
| 1164 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 1165 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1166 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | PFF |  | 3 | 0 | P | 2 | S | C |
| 1167 | 45-CA-487 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |


| 1168 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1169 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1170 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | H |  |
| 1171 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | T |
| 1172 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1173 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1174 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1175 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 1176 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 1177 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 3 | P | 0 | S | C |
| 1178 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1179 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1180 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1181 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1182 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1183 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | M | PFF |  | 2 | 1 |  | 2 | S | C |
| 1184 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 3 | F | T |
| 1185 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | M | PFF |  | 3 | 0 |  | 3 | S | F |
| 1186 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 1 | F |  |
| 1187 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 3 | P | 0 | F |  |
| 1188 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | C | ANW |  |  |  |  |  |  |  |
| 1189 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1190 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 1 | F |  |
| 1191 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1192 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1193 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1194 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1195 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1196 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | C | PFF |  | 3 | 0 |  | 3 | S | T |
| 1197 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Z | PFF |  | 2 | 2 |  | 1 | S | T |
| 1198 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | C | PFF | B | 3 | 0 |  | 3 | S | T |
| 1199 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1200 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | P | 3 | S | C |
| 1201 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | M | ANW |  |  |  |  |  |  |  |
| 1202 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1203 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | I | 1 | S | C |


| 1204 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 4 \end{aligned}$ | D | D | NPF | 2 | 3 | P | 0 | S |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1205 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 1 | S | T |
| 1206 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |
| 1207 | 45-CA-487 | E | TEU 4 | FEATU RE 1/L1 | T | M |  |  |  |  |  |  |  |
| 1208 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { FEATU } \\ & \text { RE } \\ & \text { 1/L1 } \\ & \hline \end{aligned}$ | D | D | NPF | 2 | 1 | P | 3 | F |  |
| 1209 | 45-CA-487 | E | TEU 4 | $\begin{aligned} & \hline \text { FEATU } \\ & \text { RE } \\ & \text { 1/L1 } \\ & \hline \end{aligned}$ | T | D |  |  |  | I |  |  |  |
| 1210 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 2 | S | F |
| 1211 | 45-CA-487 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 / \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 2 | S | T |
| 1212 | 45-CA-487 | E | TEU 5 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 | F | 1 | S | C |
| 1213 | 45-CA-487 | E | TEU 5 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | WHF | 3 | 0 |  | 3 | F | T |
| 1214 | 45-CA-487 | E | TEU 5 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 | I | 3 | S | C |
| 1215 | 45-CA-487 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 3 | F |  |
| 1216 | 45-CA-487 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF | 2 | 3 | P | 0 | S |  |
| 1217 | 45-CA-487 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF | 3 | 0 |  | 3 | F | T |
| 1218 | 45-CA-487 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 1 | S | T |
| 1219 | 45-CA-487 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 1 | S | T |
| 1220 | 45-CA-487 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 1 | S | F |
| 1221 | 45-CA-487 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 1222 | 45-CA-487 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF | 2 | 2 | P | 1 | S |  |
| 1223 | 45-CA-487 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |
| 1224 | 45-CA-487 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 2 | S | F |
| 1225 | 45-CA-487 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 1 | S | T |
| 1226 | 45-CA-487 | E | TEU 2a |  | D | D | WHF | 3 | 0 |  | 3 | f | F |
| 1227 | 45-CA-487 | E | TEU 2a |  | D | D | NPF | 2 | 1 | I | 3 | S |  |
| 1228 | 45-CA-487 | E | TEU 2a |  | D | M | ANW |  |  |  |  |  |  |
| 1229 | 45-CA-487 | E | TEU 2a |  | D | D | WHF | 3 | 0 |  | 2 | F | F |
| 1230 | 45-CA-487 | E | TEU 2a |  | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 1231 | 45-CA-487 | E | TEU 2a |  | T | D | PFF | 3 | 0 |  | 2 |  | C |
| 1232 | 45-CA-487 | E | TEU 2a |  | T | D | PFF | 3 | 0 | P | 3 | F | C |
| 1233 | 45-CA-487 | E | TEU 2a |  | D | D | ANW |  |  | F |  |  |  |
| 1234 | 45-CA-487 | E | TEU 2a |  | T | D | WHF | 3 | 0 | F | 3 | F | C |
| 1235 | 45-CA-487 | E | TEU 2a |  | D | D | NPF | 3 | 0 |  | 1 | S |  |
| 1236 | 45-CA-487 | E | TEU 2a |  | D | M | NPF | 2 | 2 |  | 1 | F |  |
| 1237 | 45-CA-487 | E | TEU 2a |  | D | D | WHF | 3 | 0 | P | 1 | F | C |
| 1238 | 45-CA-487 | E | TEU 2a |  | D | D | WHF | 3 | 0 | F | 2 | F | C |
| 1239 | 45-CA-487 | E | TEU 2a |  | D | D | PFF | 3 | 0 | P | 2 |  | C |


| 1240 | 45-CA-487 | E | TEU 2a |  | D | D | PFF |  | 3 | 0 | P | 2 | S | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1241 | 45-CA-487 | E | TEU 2a |  | D | D | ANW |  |  |  | F |  |  |  |
| 1242 | 45-CA-487 | E | TEU 2a |  | D | M | NPF |  | 2 | 2 |  | 1 | S |  |
| 1243 | 45-CA-487 | S | CSC | \#1 | T | D | WHF |  | 2 | 1 | F | 3 | F | C |
| 1244 | 45-CA-487 | S | CSC | \#2 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1245 | 45-CA-487 | S | CSC | \#3 | D | D | PFF |  | 3 | 0 | F | 3 |  | C |
| 1246 | 45-CA-487 | S | CSC | \#4 | D | D | NPF |  | 2 | 1 | P | 1 | S |  |
| 1247 | 45-CA-487 | S | CSC | \#5 | T | D |  |  |  |  | I |  |  |  |
| 1248 | 45-CA-487 | S | CSC | \#6 | D | D | NPF |  | 3 | 0 |  | 6 | F |  |
| 1249 | 45-CA-487 | S | CSC | \#7 | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 1250 | 45-CA-487 | S | CSC | \#8 | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1251 | 45-CA-487 | S | CSC | \#9 | D | D | WHF |  | 3 | 0 | F | 4 | F | C |
| 1252 | 45-CA-487 | S | CSC | \#10 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1253 | 45-CA-487 | S | CSC | \#11 | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1254 | 45-CA-487 | S | CSC | \#12 | D | D | WHF |  | 3 | 0 | P | 4 | F | C |
| 1255 | 45-CA-487 | S | CSC | \#13 | T | D | NPF |  | 2 | 2 | I | 1 |  |  |
| 1256 | 45-CA-487 | S | CSC | \#14 | D | D | WHF |  | 3 | 0 | P | 3 | F | C |
| 1257 | 45-CA-487 | S | CSC | \#15 | T | D |  |  |  |  |  |  |  |  |
| 1258 | 45-CA-487 | S | CSC | \#16 | D | D | ANW |  |  |  |  |  |  |  |
| 1259 | 45-CA-487 | S | CSC | \#17 | D | D | WHF |  | 3 | 0 |  | 3 | F | C |
| 1260 | 45-CA-487 | S | CSC | \#18 | D | D | PFF |  | 2 | 2 | I | 2 | S | C |
| 1261 | 45-CA-487 | s | CSC | \#19 | D | D | PFF |  | 3 | 0 | I | 3 | S | C |
| 1262 | 45-CA-487 | S | CSC | \#21 | T | D |  |  |  |  | P |  |  |  |
| 1263 | 45-CA-487 | S | CSC | \#22 | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1264 | 45-CA-302 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 3 | S | C |
| 1265 | 45-CA-302 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | M | NPF |  | 3 | 0 |  | 2 | S |  |
| 1266 | 45-CA-302 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | T | Z |  |  |  |  |  |  |  |  |
| 1267 | 45-CA-302 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 2 | I | 2 | F | C |
| 1268 | 45-CA-302 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | I |  |  |  |
| 1269 | 45-CA-302 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1270 | 45-CA-302 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1271 | 45-CA-302 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | Z |  |  |  |  |  |  |  |  |
| 1272 | 45-CA-302 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | M | ANW |  |  |  |  |  |  |  |
| 1273 | 45-CA-302 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | C | WHF | B | 3 | 0 |  | 3 | F | T |
| 1274 | 45-CA-302 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1275 | 45-CA-302 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | T | Z |  |  |  |  |  |  |  |  |
| 1276 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 5 | F | F |
| 1277 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 1 | S |  |


| 1278 | 45-CA-302 | E | TEU 3 | LEVEL $1$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1279 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 2 | P | 1 | F | T |
| 1280 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 4 | S | T |
| 1281 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1282 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1283 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 1284 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1285 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | F |
| 1286 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 2 | S | T |
| 1287 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1288 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 1289 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1290 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1291 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | I | 2 | S | C |
| 1292 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 2 | S | F |
| 1293 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1294 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1295 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1296 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1297 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1298 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | NPF |  | 2 | 2 | P | 1 | F |  |
| 1299 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1300 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1301 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1302 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1303 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 1304 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1305 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1306 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1307 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1308 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 1309 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1310 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 4 | F | T |
| 1311 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1312 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1313 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |


| 1314 | 45-CA-302 | E | TEU 3 | LEVEL $2$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1315 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 5 | F |  |
| 1316 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1317 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 1 | S |  |
| 1318 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1319 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1320 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 4 | F | T |
| 1321 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1322 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 2 \end{array}$ | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 1323 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1324 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 4 | S |  |
| 1325 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1326 | 45-CA-SC | E | SQ 61 | CN 12 | D | D | NPF |  | 3 | 0 |  | 5 | F |  |
| 1327 | 45-CA-SC | E | SQ 63 | CN 328 | D | S | NPF |  | 2 | 1 |  | 2 | F |  |
| 1328 | 45-CA-SC | E | SQ 63 | CN 328 | D | C | PFF |  | 3 | 0 |  | 2 | S | F |
| 1329 | 45-CA-SC | E | SQ 65 | CN276 | D | D | WHF |  | 2 | 2 | F | 1 | F | C |
| 1330 | 45-CA-SC | E | SQ 68 | CN 292 | D | M | PFF |  | 2 | 0 |  | 4 | S | T |
| 1331 | 45-CA-SC | E | SQ 68 | CN 292 | D | M | NPF |  | 3 | 0 |  | 2 | F |  |
| 1332 | 45-CA-SC | E | SQ 68 | CN 292 | D | D | NPF |  | 2 | 2 | I | 2 | F |  |
| 1333 | 45-CA-SC | E | SQ 68 | CN 294 | D | D | NPF |  | 2 | 1 | F | 2 | S |  |
| 1334 | 45-CA-SC | E | SQ 68 | CN 294 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1335 | 45-CA-SC | E | SQ 68 | CN 294 | D | M | NPF |  | 2 | 1 |  | 1 | F |  |
| 1336 | 45-CA-SC | E | SQ 69 | CN 297 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1337 | 45-CA-SC | E | SQ 69 | CN 297 | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1338 | 45-CA-SC | E | SQ 69 | CN 297 | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1339 | 45-CA-SC | E | SQ 72 | CN 305 | D | D | PFF | B | 3 | 0 |  | 4 | S | T |
| 1340 | 45-CA-SC | E | SQ 70 | CN 300 | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 1341 | 45-CA-SC | E | SQ 70 | CN 298 | D | M | NPF |  | 2 | 2 |  | 1 | F |  |
| 1342 | 45-CA-SC | S | USC | CN 308 | D | D | NPF |  | 2 | 3 | I | 0 | S |  |
| 1343 | 45-CA-SC | S | \#3 | CN 309 | D | D | WHF |  | 2 | 2 | I | 1 | F | C |
| 1344 | 45-CA-SC | S | \#4 | CN 309 | T | D |  |  |  |  | I |  |  |  |
| 1345 | 45-CA-SC | S | USC | 6092 | T | D |  |  |  |  | I |  |  |  |
| 1346 | 45-CA-SC | S |  | AV | T | M | WHF |  | 2 | 1 |  | 2 | F | F |
| 1347 | 45-CA-SC | S |  | AIII | T | D | PFF |  | 2 | 3 | I | 0 |  | C |
| 1348 | 45-CA-SC | E |  | TP 7 | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1349 | 45-CA-SC | E |  | TP 5 | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1350 | 45-CA-SC | E |  | TP 5 | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 1351 | 45-CA-SC | E |  | TP 5 | D | D | NPF |  | 2 | 1 | F | 2 | F |  |


| 1352 | 45-CA-SC | S |  | AV | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1353 | 45-CA-SC | S |  | AV | D | D | WHF |  | 3 | 0 | I | 4 | F | C |
| 1354 | 45-CA-SC | S |  | AV | D | D | NPF |  | 2 | 2 | P | 1 | F |  |
| 1355 | 45-CA-SC | S |  | AV | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1356 | 45-CA-SC | E |  | TP 13 | D | D | PFF |  | 3 | 0 | I | 1 | S | C |
| 1357 | 45-CA-SC | S |  |  | T | D | NPF |  |  |  | F |  |  |  |
| 1358 | 45-CA-SC | S |  |  | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1359 | 45-CA-SC | S |  |  | T | D |  |  |  |  | F |  |  |  |
| 1360 | 45-CA-SC | S |  |  | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1361 | 45-CA-SC | S |  |  | D | Q | PFF |  | 3 | 0 |  | 3 | S | T |
| 1362 | 45-CA-SC | S |  |  | T | C |  |  |  |  |  |  |  |  |
| 1363 | 45-CA-SC | S |  |  | T | D |  |  |  |  | I |  |  |  |
| 1364 | 45-CA-SC | S |  |  | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1365 | 45-CA-SC | S |  |  | T | D |  |  |  |  |  |  |  |  |
| 1366 | 45-CA-SC | S |  |  | T | D |  |  |  |  | P |  |  |  |
| 1367 | 45-CA-SC | S |  |  | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1368 | 45-CA-SC | S |  |  | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1369 | 45-CA-SC | S |  |  | D | D | ANW |  |  |  |  |  |  |  |
| 1370 | 45-CA-SC | S |  |  | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1371 | 45-CA-SC | S |  |  | D | D | ANW |  |  |  |  |  |  |  |
| 1372 | 45-CA-SC | S |  |  | D | D | PFF |  | 2 | 1 | F | 2 | S | F |
| 1373 | 45-CA-SC | S |  |  | T | C |  |  |  |  |  |  |  |  |
| 1374 | 45-CA-SC | S |  |  | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1375 | 45-CA-SC | S |  |  | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1376 | 45-CA-SC | S |  |  | T | D |  |  |  |  | F |  |  |  |
| 1377 | 45-CA-SC | S |  |  | D | D | WHF |  | 3 | 0 | P | 4 | F | C |
| 1378 | 45-CA-SC | S |  |  | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1379 | 45-CA-SC | S |  |  | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1380 | 45-CA-SC | S |  |  | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1381 | 45-CA-SC | S |  |  | D | D | ANW |  |  |  |  |  |  |  |
| 1382 | 45-CA-SC | S |  |  | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 1383 | 45-CA-SC | S |  |  | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 1384 | 45-CA-SC | S | \#10 | CN 146 | T | D |  |  |  |  |  |  |  |  |
| 1385 | 45-CA-SC | S |  |  | T | D |  |  |  |  |  |  |  |  |
| 1386 | 45-CA-SC | E | SQ 58 | $\begin{aligned} & \text { CN 98- } \\ & 5 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 1387 | 45-CA-SC | E | SQ 65 | $\begin{aligned} & \hline \mathrm{CN} \\ & 326-1 \end{aligned}$ | T | G |  |  |  |  |  |  |  |  |
| 1388 | 45-CA-SC | S |  |  | D | C | PFF |  | 3 | 0 |  | 3 | S | F |
| 1389 | 45-CA-SC | S |  |  | T | M |  |  |  |  |  |  |  |  |
| 1390 | 45-JE-225 | S |  |  | T | F |  |  |  |  |  |  |  |  |


| 1391 | 45-JE-225 | S |  |  | D | D | PFF |  | 2 | 1 | P | 1 | S | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1392 | 45-JE-231 | S |  |  | T | D |  |  |  |  | P |  |  |  |
| 1393 | 45-JE-221 | S |  |  | D | D | WHF |  | 3 | 0 | I | 1 | F | C |
| 1394 | 45-JE-221 | S |  |  | T | D | WHF |  | 3 | 0 | P | 2 | F | C |
| 1395 | 45-CA-440 | S |  |  | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1396 | 45-CA-440 | S |  |  | D | D | WHF |  | 3 | 0 | P | 3 | F | C |
| 1397 | 45-CA-440 | S |  |  | D | D | NPF |  | 2 | 1 | F | 2 | S |  |
| 1398 | 45-CA-440 | S |  |  | T | D | WHF |  | 3 | 0 | F | 3 | F | C |
| 1399 | 45-JE-217 | S |  |  | T | D | PFF |  | 2 | 1 | I | 2 | S | F |
| 1400 | 45-JE-217 | S |  |  | T | D | WHF |  | 3 | 0 | P | 2 | F | C |
| 1401 | 45-JE-217 | S |  |  | T | D |  |  |  |  |  |  |  |  |
| 1402 | 45-JE-217 | S |  |  | D | D | NPF |  | 2 | 2 | I | 2 | F |  |
| 1403 | 45-JE-217 | S |  |  | T | D | WHF |  | 3 | 0 | P | 6 | F | C |
| 1404 | 45-JE-222 | S |  |  | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1405 | 45-JE-222 | S |  |  | D | D | WHF | P | 2 | 1 | I | 3 | F | T |
| 1406 | 45-JE-222 | S |  |  | D | D | PFF |  | 3 | 0 | P | 2 | S | C |
| 1407 | 45-JE-222 | S |  |  | D | D | NPF |  | 2 | 3 | F | 0 | S |  |
| 1408 | 45-JE-222 | S |  |  | T | Z |  |  |  |  |  |  |  |  |
| 1409 | 45-JE-222 | S |  |  | D | D | ANW |  |  |  |  |  |  |  |
| 1410 | 45-JE-230 | S |  |  | T | D | WHF |  | 3 | 0 | F | 3 | F | C |
| 1411 | 45-JE-223 | S |  |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1412 | 45-JE-223 | S |  |  | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1413 | 45-JE-223 | S |  |  | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1414 | 45-JE-217 | S |  |  | T | D | PFF |  | 3 | 0 | F | 5 | S | C |
| 1415 | 45-JE-226 | S |  |  | T | D | WHF |  | 3 | 0 | P | 4 | F | C |
| 1416 | 45-JE-226 | S |  |  | D | D | PFF |  | 3 | 0 | P | 3 | S | C |
| 1417 | 45-JE-226 | S |  |  | D | D | NPF |  | 2 | 1 | I | 1 | H |  |
| 1418 | 45-JE-226 | S |  |  | D | D | PFF |  | 2 | 1 | F | 3 | S | T |
| 1419 | 45-JE-226 | S |  |  | D | D | WHF |  | 3 | 0 |  | 1 | F | T |
| 1420 | 45-JE-226 | S |  |  | D | D | WHF |  | 3 | 0 | P | 4 | F | C |
| 1421 | 45-JE-224 | S |  |  | T | D | NPF |  | 2 | 1 | P | 3 | F |  |
| 1422 | 45-JE-224 | S |  |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1423 | 45-JE-224 | S |  |  | T | D |  |  |  |  | P |  |  |  |
| 1424 | 45-JE-224 | S |  |  | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1425 | 45-JE-224 | S |  |  | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1426 | 45-JE-224 | S |  |  | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1427 | 45-JE-224 | S |  |  | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1428 | 45-JE-219 | S |  |  | D | D | NPF |  | 2 | 1 | F | 3 | S |  |
| 1429 | 45-JE-219 | S |  |  | D | D | PFF |  | 3 | 0 | F | 2 | S | C |


| 1430 | 45-JE-219 | S |  |  | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1431 | 45-JE-220 | S |  |  | T | D |  |  |  |  |  |  |  |  |
| 1432 | 45-JE-220 | S |  |  | T | D |  |  |  |  |  |  |  |  |
| 1433 | 45-JE-220 | S |  |  | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1434 | 45-JE-220 | S |  |  | D | D | WHF |  | 2 | 1 | P | 2 | F | C |
| 1435 | 45-JE-220 | S |  |  | T | D |  |  |  |  |  |  |  |  |
| 1436 | 45-JE-220 | S |  |  | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1437 | 45-JE-220 | S |  |  | D | D | PFF |  | 2 | 1 | I | 1 | S | T |
| 1438 | 45-JE-220 | S |  |  | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1439 | 45-CA-483 | S |  |  | T | D |  |  |  |  | F |  |  |  |
| 1440 | 45-CA-483 | S |  |  | D | D | PFF |  | 2 | 1 | P | 1 | S | C |
| 1441 | 45-CA-483 | S |  |  | D | D | WHF |  | 3 | 0 |  | 2 | H | T |
| 1442 | 45-CA-483 | S |  |  | D | D | ANW |  |  |  | P |  |  |  |
| 1443 | 45-CA-483 | S |  |  | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1444 | 45-CA-483 | S |  |  | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1445 | 45-CA-483 | S |  |  | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1446 | 45-CA-483 | S |  |  | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1447 | 45-CA-483 | S |  |  | T | D |  |  |  |  | P |  |  |  |
| 1448 | 45-CA-483 | S |  |  | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 1449 | 45-CA-483 | S |  |  | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1450 | 45-CA-483 | S |  |  | D | D | NPF |  | 2 | 1 | I | 2 | S |  |
| 1451 | 45-CA-483 | S |  |  | D | D | NPF |  | 2 | 1 | I | 1 | F |  |
| 1452 | 45-CA-483 | S | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 0 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | F | 1 | F |  |
| 1453 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1454 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1455 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1456 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1457 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 1458 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 | P | 3 | F | C |
| 1459 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1460 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 1 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1461 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 1462 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 1 | F | C |
| 1463 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1464 | 45-CA-483 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 4 | S | T |
| 1465 | 45-CA-486 | S |  |  | D | D | ANW |  |  |  | P |  |  |  |
| 1466 | 45-CA-486 | S |  |  | D | F | WHF |  | 2 | 1 |  | 1 | F | T |
| 1467 | 45-CA-486 | S |  |  | D | D | ANW |  |  |  |  |  |  |  |





| 1585 | 45-CA-481 | S |  |  | T | D |  |  |  |  | I |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1586 | 45-CA-481 | S |  |  | D | D | ANW |  |  |  | I |  |  |  |
| 1587 | 45-CA-481 | S |  |  | D | Q | NPF |  | 2 | 3 |  | 0 | S |  |
| 1588 | 45-CA-481 | S |  |  | T | D |  |  |  |  | I |  |  |  |
| 1589 | 45-CA-481 | S |  |  | D | D | PFF |  | 2 | 3 | I | 0 | S | C |
| 1590 | 45-CA-481 | S |  |  | D | D | WHF |  | 3 | 0 | I | 3 | F | C |
| 1591 | 45-CA-481 | S |  |  | D | D | ANW |  |  |  | F |  |  |  |
| 1592 | 45-CA-481 | S |  |  | D | Q | WHF |  | 1 | 3 |  | 0 | F | C |
| 1593 | 45-CA-481 | S |  |  | D | Q | WHF |  | 1 | 3 |  | 0 | F | C |
| 1594 | 45-CA-481 | S |  |  | T | Q |  |  |  |  |  |  |  |  |
| 1595 | 45-CA-481 | S |  |  | D | Q | ANW |  |  |  |  |  |  |  |
| 1596 | 45-CA-481 | S |  |  | T | Q |  |  | 2 | 2 |  | 1 | F | C |
| 1597 | 45-CA-481 | S |  |  | T | S |  |  |  |  |  |  |  |  |
| 1598 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1599 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1600 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1601 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1602 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1603 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 1604 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | I | 3 | F | T |
| 1605 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 3 | F | F |
| 1606 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 1607 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 1608 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1609 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1610 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 4 | S | T |
| 1611 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | F | 3 | S | T |
| 1612 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1613 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | T |
| 1614 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1615 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 4 | F | T |
| 1616 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 2 | F | F |
| 1617 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1618 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1619 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 3 | F | F |
| 1620 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | T | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1621 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 1 | F |  |


| 1622 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1623 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 1624 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1625 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1626 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1627 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 1 | F | T |
| 1628 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1629 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 1630 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1631 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1632 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 1633 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 1 | S | F |
| 1634 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1635 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 1636 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 1 | S | F |
| 1637 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1638 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1639 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 2 | S | F |
| 1640 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 1641 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1642 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1643 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1644 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1645 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1646 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 1 | F | T |
| 1647 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 3 | F |  |
| 1648 | 45-CA-302 | E | TEU 3 | LEVEL | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1649 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1650 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1651 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1652 | 45-CA-302 | E | TEU 3 | LEVEL | D | D | PFF | B | 3 | 0 |  | 4 | S | T |
| 1653 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1654 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1655 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1656 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1657 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |


| 1658 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1659 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1660 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 1661 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1662 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 1663 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1664 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 2 | S | C |
| 1665 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 2 | F | T |
| 1666 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1667 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1668 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1669 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1670 | 45-CA-302 | E | TEU 3 | LEVEL | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1671 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 1672 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1673 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1674 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 1675 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1676 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | F | 2 | S |  |
| 1677 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | T |
| 1678 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 1679 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1680 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 1 | F | F |
| 1681 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1682 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 1 | F | F |
| 1683 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | T |
| 1684 | 45-CA-302 | E | TEU 3 | LEVEL | D | D | WHF | B | 3 | 0 |  | 3 | F | F |
| 1685 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1686 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1687 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1688 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1689 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1690 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1691 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1692 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1693 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |


| 1694 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1695 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1696 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1697 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1698 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1699 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1700 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1701 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1702 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1703 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 4 | S | T |
| 1704 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1705 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1706 | 45-CA-302 | E | TEU 3 | LEVEL | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1707 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1708 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1709 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1710 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1711 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | Z |  |  |  |  |  |  |  |  |
| 1712 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1713 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1714 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1715 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | P | 2 | S |  |
| 1716 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1717 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1718 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1719 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1720 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1721 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1722 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \end{aligned}$ | D | D | PFF |  | 3 | 0 | P | 3 | S | C |
| 1723 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1724 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \hline 4 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1725 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1726 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | T |
| 1727 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 3 | I | 0 | S | F |
| 1728 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 1 | S | T |
| 1729 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |


| 1730 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \text { LEVEL } \\ 4 \\ \hline \end{array}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1731 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | I | 1 | S |  |
| 1732 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | F |  |  |  |  |  |  |  |  |
| 1733 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 2 | P | 1 | F | T |
| 1734 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1735 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 2 | P | 1 | S | T |
| 1736 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 1737 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1738 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 4 \end{array}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1739 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 4 \\ \hline \end{array}$ | D | D | WHF | B | 3 | 0 |  | 3 | F | T |
| 1740 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1741 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1742 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1743 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 2 | F | T |
| 1744 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 1745 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1746 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1747 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1748 | 45-CA-302 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1749 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 4 \\ \hline \end{array}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1750 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 4 \\ \hline \end{array}$ | D | D | WHF |  | 3 | 0 |  | 1 | F | F |
| 1751 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 4 \\ \hline \end{array}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1752 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 4 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1753 | 45-CA-302 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 5 \\ \hline \end{array}$ | D | M | NPF |  | 3 | 0 |  | 3 | F |  |
| 1754 | 45-CA-302 | E | TEU 4 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | WHF |  | 2 | 2 | F | 1 | F | F |
| 1755 | 45-CA-302 | E | TEU 4 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 2 \\ \hline \end{array}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1756 | 45-CA-302 | E | TEU 4 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | T | D |  |  |  |  | I |  |  |  |
| 1757 | 45-CA-302 | E | TEU 4 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | T |
| 1758 | 45-CA-302 | E | TEU 4 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 3 \end{array}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1759 | 45-CA-302 | E | TEU 4 | $\begin{array}{\|l} \hline \text { LEVEL } \\ 3 \\ \hline \end{array}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1760 | 45-CA-302 | E | TEU 4 | $\begin{array}{\|l\|} \hline \text { LEVEL } \\ 4 \\ \hline \end{array}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1761 | 45-CA-302 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1762 | 45-CA-302 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | Z | NPF |  | 2 | 2 |  | 2 | F |  |
| 1763 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 | F | 2 | F | C |
| 1764 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | T | Z |  |  |  |  |  |  |  |  |
| 1765 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |


| 1766 | 45-CA-302 | E | TEU 6 | LEVEL | T | D |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1767 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 1 | S | C |
| 1768 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1769 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 1770 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 1771 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1772 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1773 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1774 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1775 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1776 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | M | PFF |  | 3 | 0 |  | 1 | S | F |
| 1777 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 1778 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 1779 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1780 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1781 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | Z | ANW |  |  |  |  |  |  |  |
| 1782 | 45-CA-302 | E | TEU 6 | $\begin{aligned} & \hline \text { LEVEL } \\ & 6 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 1783 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1784 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1785 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \end{aligned}$ | D | Z | PFF |  | 3 | 0 |  | 1 | S | T |
| 1786 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 2 | S |  |
| 1787 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 3 | P | 0 | S | T |
| 1788 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1789 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1790 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1791 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1792 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 1 | 2 | F | 1 | F | F |
| 1793 | 45-CA-302 | E | TEU 7 | LEVEL | D | M | NPF |  | 2 | 2 |  | 2 | F |  |
| 1794 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1795 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 3 | F | 0 | F |  |
| 1796 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1797 | 45-CA-302 | E | TEU 7 | LEVEL | D | D | PFF |  | 2 | 1 | F | 2 | S | T |
| 1798 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 | F | 1 | F | C |
| 1799 | 45-CA-302 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | C | WHF | B | 3 | 0 |  | 3 | F | T |
| 1800 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | F | NPF |  | 3 | 0 |  | 2 | F |  |
| 1801 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |


| 1802 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | T | M |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1803 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | M | PFF |  | 3 | 0 |  | 2 | S | T |
| 1804 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1805 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | H | F |
| 1806 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1807 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1808 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \text { LEVEL } \\ & 4 \end{aligned}$ | D | D | WHF |  | 3 | 0 | P | 2 | F | C |
| 1809 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | M | WHF | P | 1 | 3 |  |  |  |  |
| 1810 | 45-CA-302 | E | TEU 8 | $\begin{aligned} & \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | T | Z |  |  |  |  |  |  |  |  |
| 1811 | 45-CA-302 | E | TEU 9 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1812 | 45-CA-302 | E | TEU 10 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | M | PFF |  | 3 | 0 |  | 3 | S | T |
| 1813 | 45-CA-302 | E | TEU 10 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 4 | S | T |
| 1814 | 45-CA-302 | E | TEU 10 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1815 | 45-CA-302 | E | TEU 10 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 1 | F | C |
| 1816 | 45-CA-302 | E | TEU 11 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1817 | 45-CA-302 | E | TEU 11 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1818 | 45-CA-302 | E | TEU 11 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1819 | 45-CA-302 | E | TEU 11 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 1820 | 45-CA-302 | E | TEU 11 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 1 | S |  |
| 1821 | 45-CA-302 | E | TEU 11 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 1822 | 45-CA-302 | E | TEU 11 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 2 | F | C |
| 1823 | 45-CA-302 | E | TEU 11 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | F | 2 | S | F |
| 1824 | 45-CA-302 | E | TEU 11 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | Z | PFF |  | 2 | 3 |  | 0 | S | C |
| 1825 | 45-CA-302 | E | TEU 11 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | Z |  |  |  |  |  |  |  |  |
| 1826 | 45-CA-302 | E | TEU 12 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | Z | ANW |  |  |  |  |  |  |  |
| 1827 | 45-CA-302 | E | TEU 12 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1828 | 45-CA-302 | E | TEU 12 | $\begin{aligned} & \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | T | C |  |  |  |  |  |  |  |  |
| 1829 | 45-CA-302 | E | TEU 13 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 1830 | 45-CA-302 | E | TEU 13 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1831 | 45-CA-302 | E | TEU 13 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1832 | 45-CA-302 | E | TEU 13 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1833 | 45-CA-302 | E | TEU 14 |  | D | D | WHF |  | 2 | 1 |  | 2 | F | C |
| 1834 | 45-CA-302 | E | TEU 14 |  | D | D | ANW |  |  |  |  |  |  |  |
| 1835 | 45-CA-302 | E | TEU 15 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 2 | F | 1 | S | T |
| 1836 | 45-CA-302 | E | TEU 15 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 1837 | 45-CA-302 | E | TEU 15 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |


| 1838 | 45-CA-302 | E | TEU 15 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 2 | S | C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1839 | 45-CA-302 | E | TEU 16 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1840 | 45-CA-302 | E | TEU 16 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1841 | 45-CA-302 | E | TEU 16 | $\begin{aligned} & \text { LEVEL } \\ & 2 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1842 | 45-CA-302 | E | TEU 16 | $\begin{aligned} & \text { LEVEL } \\ & 3 \end{aligned}$ | D | D | WHF |  | 1 | 3 | F | 0 | F | C |
| 1843 | 45-CA-302 | E | TEU 16 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF | P | 3 | 0 |  | 2 | F | T |
| 1844 | 45-CA-302 | E | TEU 16 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | P | 3 | F |  |
| 1845 | 45-CA-302 | E | TEU 16 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1846 | 45-CA-302 | E | TEU 16 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | P | 2 | S | C |
| 1847 | 45-CA-302 | E | TEU 16 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 5/F1 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1848 | 45-CA-302 | E | TEU 16 | $\begin{aligned} & \text { LEVEL } \\ & 5 \\ & \hline \end{aligned}$ | D | C | WHF | B | 3 | 0 |  | 2 | F | T |
| 1849 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 1 | F | T |
| 1850 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | P |  |  |  |
| 1851 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 4 | F |  |
| 1852 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 3 | P | 0 | S | C |
| 1853 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1854 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1855 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 2 | S |  |
| 1856 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1857 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1858 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1859 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1860 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1861 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | P | 2 | F | T |
| 1862 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 2 | P | 2 | S | T |
| 1863 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1864 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1865 | 45-CA-302 | E | TEU 5 | $\begin{aligned} & \hline \text { LEVEL } \\ & 4 \\ & \hline \end{aligned}$ | D | M | ANW |  |  |  |  |  |  |  |
| 1866 | 45-JE-216 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1867 | 45-JE-216 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1868 | 45-JE-216 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 3 | F | 0 | F |  |
| 1869 | 45-JE-216 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 1870 | 45-JE-216 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | WHF | P | 2 | 1 | P | 2 | F | T |
| 1871 | 45-JE-216 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1872 | 45-JE-216 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 1873 | 45-JE-216 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | PFF | P | 3 | 0 |  | 2 | F | T |


| 1874 | 45-JE-216 | E | TEU 1 | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF | 2 | 1 | F | 3 | S |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1875 | 45-JE-216 | E | TEU 1 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF | 2 | 1 | P | 2 | F |  |
| 1876 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 / \mathrm{S} 1 \end{aligned}$ | T | D |  |  |  |  |  |  |  |
| 1877 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 1/S1 } \\ & \hline \end{aligned}$ | T | M |  |  |  |  |  |  |  |
| 1878 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 1/S1 } \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 2 | F |  |
| 1879 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |
| 1880 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  | F |  |  |  |
| 1881 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 2 | S |  |
| 1882 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  | F |  |  |  |
| 1883 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 2 | S |  |
| 1884 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \end{aligned}$ | D | D | NPF | 2 | 1 | F | 1 | F |  |
| 1885 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 1 | F |  |
| 1886 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | WHF | 3 | 0 | F | 1 | F | C |
| 1887 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 1 | F |  |
| 1888 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | NPF | 2 | 1 | F | 1 | F |  |
| 1889 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | NPF | 2 | 1 | F | 1 | S |  |
| 1890 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 1 | S |  |
| 1891 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | WHF | 2 | 1 | F | 2 | F | T |
| 1892 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF | 2 | 1 | F | 3 | S | T |
| 1893 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |
| 1894 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF | 2 | 1 | F | 2 | S | C |
| 1895 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 1 | S |  |
| 1896 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | NPF | 3 | 0 |  | 3 | F |  |
| 1897 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF | 2 | 1 | F | 1 | S | T |
| 1898 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 2 | S | F |
| 1899 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | NPF | 2 | 1 | P | 3 | S |  |
| 1900 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 1 | S | T |
| 1901 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |
| 1902 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \end{aligned}$ | D | D | NPF | 3 | 0 |  | 3 | S |  |
| 1903 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \end{aligned}$ | D | D | WHF | 3 | 0 | F | 3 | F | C |
| 1904 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | NPF | 2 | 2 | F | 2 | S |  |
| 1905 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  | F |  |  |  |
| 1906 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 1 | S | T |
| 1907 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF | 3 | 0 |  | 1 | S | T |
| 1908 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | T | D |  |  |  | F |  |  |  |
| 1909 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { EVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |


| 1910 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1911 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1912 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1913 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1914 | 45-JE-216 | E | TEU 2 | LEVEL 3/S3 | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1915 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1916 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 1917 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 1918 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 1919 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1920 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1921 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1922 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 1 | S | C |
| 1923 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1924 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1925 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1926 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | F | 1 | F |  |
| 1927 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1928 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 1929 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1930 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 1931 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1932 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1933 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1934 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 1935 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | D | D | PFF | P | 2 | 1 | F | 2 | S | T |
| 1936 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D |  |  | 2 | 3 | F | 0 | S |  |
| 1937 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1938 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 | F | 3 | F | C |
| 1939 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | S |  |
| 1940 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | S |  |
| 1941 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & 3 / \mathrm{S} 4 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 1942 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | T | M |  |  |  |  |  |  |  |  |
| 1943 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 1944 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 1945 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |


| 1946 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1947 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 1948 | 45-JE-216 | E | TEU 2 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1949 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | D | D | PFF | P | 2 | 1 | F | 1 | S | C |
| 1950 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 4 | S | C |
| 1951 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1952 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 4 | S | C |
| 1953 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | T |
| 1954 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1955 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1956 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | F | 1 | S | C |
| 1957 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1958 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 1959 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 4 | S | F |
| 1960 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | F | 1 | F | F |
| 1961 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1962 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1963 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1964 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | T |
| 1965 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1966 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S4 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1967 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | S |  |
| 1968 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 3 | S | C |
| 1969 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 1970 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1971 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1972 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 1 | 3 | F | 0 | F | C |
| 1973 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1974 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 1975 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 1976 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1977 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 | F | 2 | F | C |
| 1978 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1979 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1980 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | F | 1 | S | C |
| 1981 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | WHF | P | 2 | 1 | F | 3 | F | T |


| 1982 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 / \mathrm{S} 5 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1983 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S5 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1984 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S5 } \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 1985 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \text { 3/S5 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 1986 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S5 } \end{aligned}$ | D | F | NPF |  | 3 | 0 |  | 2 | F |  |
| 1987 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 5 \\ & \hline \end{aligned}$ | D | D | WHF | P | 2 | 1 | F | 1 | F | T |
| 1988 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 5 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 | F | 1 | F | C |
| 1989 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S5 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 1990 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \text { LEVEL } \\ & 3 / \mathrm{S} 5 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 1991 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S5 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1992 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S3 } \end{aligned}$ | D | D | WHF | P | 3 | 0 |  | 4 | F | T |
| 1993 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 1994 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 1995 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | WHF | B | 3 | 0 |  | 4 | F | T |
| 1996 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 1997 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S3 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 1998 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S3 } \\ & \hline \end{aligned}$ | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 1999 | 45-JE-216 | E | TEU 3 | $\begin{array}{\|l} \hline \text { LEVEL } \\ \text { 4/S3 } \\ \hline \end{array}$ | D | D | ANW |  |  |  | I |  |  |  |
| 2000 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S1 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 2001 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | PFF | P | 2 | 1 |  | f | S | C |
| 2002 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S5 } \\ & \hline \end{aligned}$ | T | M |  |  |  |  |  |  |  |  |
| 2003 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S4 } \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 2004 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 4/S4 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 | F | 4 | F | C |
| 2005 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 2006 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 2007 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 2008 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline 2 / 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 1 | F | F |
| 2009 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | I | 4 | F |  |
| 2010 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / 2 \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 2011 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline 2 / 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 2012 | 45-JE-216 | E | TEU 4 | LEVEL | D | D | PFF |  | 2 | 3 | F | 0 | S | F |
| 2013 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & \hline 2 / 2 \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 1 | I | 1 | S | C |
| 2014 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 2015 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | I | 1 | F | C |
| 2016 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / 2 \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 1 | F | F |
| 2017 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / 2 \\ & \hline \end{aligned}$ | D | M | NPF |  | 3 | 0 |  | 3 | F |  |


| 2018 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & \text { 1/S1 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2019 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 / \mathrm{S} 1 \\ & \hline \end{aligned}$ | D | D | PFF | P | 2 | 1 | F | 1 | S | T |
| 2020 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S1 } \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 2021 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | F |
| 2022 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 4 \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 2023 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S4 } \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 2024 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 2025 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | D | D | PFF | P | 3 | 0 | I | 1 | S | C |
| 2026 | 45-JE-216 | E | TEU 3 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S4 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 2027 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 2 | S | C |
| 2028 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 4 \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 4 | S | F |
| 2029 | 45-JE-216 | E | TEU 4 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S4 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 2030 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 2031 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 2 | F | T |
| 2032 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 2033 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 2034 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 2035 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 2036 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 2037 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 2038 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | D | D | PFF | P | 2 | 1 | F | 1 | S | T |
| 2039 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 2040 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 2041 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 2042 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 2 | S | C |
| 2043 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 2044 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 2045 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | WHF | P | 2 | 1 | F | 1 | F | T |
| 2046 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 2047 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 2048 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 3 | F | 0 | S |  |
| 2049 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 1 | F | F |
| 2050 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 4 | S |  |
| 2051 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | T | M |  |  |  |  |  |  |  |  |
| 2052 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 3 | F |  |
| 2053 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 2 | S | C |


| 2054 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2055 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 2056 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 2057 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | D | D | WHF | P | 3 | 0 | F | 2 | F | C |
| 2058 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 2059 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 2060 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 3 | S |  |
| 2061 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 2 | S | C |
| 2062 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 3 \end{aligned}$ | D | D | PFF | P | 3 | 0 |  | 1 | S | F |
| 2063 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 2 | F | 1 | S | C |
| 2064 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 2 \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 2065 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 2066 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 / \mathrm{S} 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 2067 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | T |
| 2068 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 2 | 1 | F | 1 | F | T |
| 2069 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 2070 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | I |  |  |  |
| 2071 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 2072 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 2073 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 2074 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 2 | I | 1 | F |  |
| 2075 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 2076 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 2077 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 2078 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 2079 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | T |
| 2080 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 | F | 2 | S | C |
| 2081 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 2082 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 2083 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 2084 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 4/S3 } \\ & \hline \end{aligned}$ | D | D | WHF | P | 2 | 2 | F | 3 | F | T |
| 2085 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S1 } \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 2086 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \text { LEVEL } \\ & \text { 3/S2 } \\ & \hline \end{aligned}$ | T | M |  |  |  |  |  |  |  |  |
| 2087 | 45-JE-216 | E | TEU 7 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 3/S3 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 2088 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 2089 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 2 | 2 | F | 1 | S | T |


| 2090 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2091 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 2092 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 2093 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 2094 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S2 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 2095 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 / \mathrm{S} 4 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 2096 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S4 } \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 2097 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S4 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  |  |  |  |  |
| 2098 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S4 } \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 2099 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S4 } \\ & \hline \end{aligned}$ | D | D | WHF |  | 3 | 0 | F | 4 | F | C |
| 2100 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S4 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 2 | S | C |
| 2101 | 45-JE-216 | E | TEU 9 | LEVEL | D | D | ANW |  |  |  |  |  |  |  |
| 2102 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S4 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 2103 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 2104 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | F |  |
| 2105 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 2106 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | WHF | P | 3 | 0 | F | 1 | F | C |
| 2107 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | PFF | P | 3 | 0 | F | 1 | S | C |
| 2108 | 45-JE-216 | E | TEU 9 | $\begin{aligned} & \hline \text { LEVEL } \\ & \text { 2/S3 } \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | I |  |  |  |
| 2109 | 45-JE-216 | E | TEU 7a | $\begin{aligned} & \hline \text { LEVEL } \\ & 3 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 1 | F |  |
| 2110 | 45-JE-216 | E | TEU 7a | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | ANW |  |  |  | F |  |  |  |
| 2111 | 45-JE-216 | E | TEU 7a | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 2112 | 45-JE-216 | E | TEU 7a | $\begin{aligned} & \hline \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D |  |  |  |  |  |  |  |  |
| 2113 | 45-JE-216 | E | TEU 7a | $\begin{aligned} & \text { LEVEL } \\ & 2 \\ & \hline \end{aligned}$ | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 2114 | 45-JE-216 | E | TEU 7a | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | T | D |  |  |  |  | F |  |  |  |
| 2115 | 45-JE-216 | E | TEU 7a | $\begin{aligned} & \hline \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 2116 | 45-JE-216 | E | TEU 6 | $\begin{aligned} & \text { LEVEL } \\ & 1 \\ & \hline \end{aligned}$ | T | D |  |  |  |  |  |  |  |  |
| 2117 | 45-CA-257 | S | CSC | 32 | D | D | NPF |  | 2 | 1 | P | 2 | F |  |
| 2118 | 45-CA-257 | S | CSC | 111 | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 2119 | 45-CA-257 | S | CSC | 104 | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 2120 | 45-CA-257 | S | CSC | 63 | D | D | PFF | B | 3 | 0 |  | 4 | S | T |
| 2121 | 45-CA-257 | S | CSC | 48 | D | D | ANW |  |  |  | P |  |  |  |
| 2122 | 45-CA-257 | S | CSC | 113 | T | D |  |  |  |  |  |  |  |  |
| 2123 | 45-CA-257 | S | CSC | 112 | D | D | NPF |  | 2 | 1 | F | 3 | S |  |
| 2124 | 45-CA-257 | S | CSC | 92 | T | D |  |  |  |  |  |  |  |  |
| 2125 | 45-CA-257 | S | CSC | 8 | D | D | PFF |  | 3 | 0 |  | 4 | S | T |
| 2126 | 45-CA-257 | S | CSC | 1 | D | D | WHF |  | 3 | 0 |  | 2 | F | F |


| 2127 | 45-CA-257 | S | CSC | 39 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2128 | 45-CA-257 | S | CSC | 11 | D | D | NPF |  | 3 | 0 |  | 1 | S |  |
| 2129 | 45-CA-257 | S | CSC | 13 | D | D | PFF |  | 2 | 1 | F | 3 | S | C |
| 2130 | 45-CA-257 | S | CSC | 10B | D | D | PFF |  | 2 | 1 | F | 2 | S | C |
| 2131 | 45-CA-257 | S | CSC | 10b | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 2132 | 45-CA-257 | S | CSC | 70 | D | D | NPF |  | 2 | 1 | P | 2 | S |  |
| 2133 | 45-CA-257 | S | CSC | 66 | D | D | WHF | B | 3 | 0 |  | 5 | F | T |
| 2134 | 45-CA-257 | S | CSC | 35 | D | D | PFF |  | 3 | 0 | P | 3 | S | C |
| 2135 | 45-CA-257 | S | CSC | 61 | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 2136 | 45-CA-257 | S | CSC | 102 | D | D | WHF |  | 2 | 1 | P | 2 | F | C |
| 2137 | 45-CA-257 | S | CSC | 27 | D | D | WHF |  | 3 | 0 |  | 2 | H | T |
| 2138 | 45-CA-257 | S | CSC | 36 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 2139 | 45-CA-257 | S | CSC | 33 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 2140 | 45-CA-257 | S | CSC | 21 | D | D | NPF |  | 2 | 1 | F | 2 | S |  |
| 2141 | 45-CA-257 | S | CSC | 67 | D | D | PFF |  | 2 | 1 | P | 2 | S | T |
| 2142 | 45-CA-257 | S | CSC | 47 | D | D | PFF |  | 2 | 2 | P | 1 | S | C |
| 2143 | 45-CA-257 | S | CSC | 95 | D | D | PFF |  | 3 | 0 | F | 3 | S | C |
| 2144 | 45-CA-257 | S | CSC | 46 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 2145 | 45-CA-257 | S | CSC | 24 | D | D | PFF |  | 2 | 3 | I | o | S | C |
| 2146 | 45-CA-257 | S | CSC | 28 | D | D | WHF |  | 3 | 0 | P | 1 | F | C |
| 2147 | 45-CA-257 | S | CSC | 30 | T | D |  |  |  |  |  |  |  |  |
| 2148 | 45-CA-257 | S | CSC | 50 | D | D | PFF |  | 3 | 0 |  | 2 | S | F |
| 2149 | 45-CA-257 | S | CSC | 20 | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 2150 | 45-CA-257 | S | CSC | 79 | D | D | NPF |  | 3 | 0 |  | 3 | S |  |
| 2151 | 45-CA-257 | S | CSC | 74 | D | D | WHF |  | 3 | 0 | F | 4 | F | C |
| 2152 | 45-CA-257 | S | CSC | 5 | D | D | WHF |  | 2 | 1 | I | 1 | F | C |
| 2153 | 45-CA-257 | S | CSC | 17 | D | D | NPF |  | 3 | 0 |  | 3 | F |  |
| 2154 | 45-CA-257 | S | CSC | 16 | D | D | WHF |  | 2 | 1 | I | 3 | F | F |
| 2155 | 45-CA-257 | S | CSC | 34 | D | D | WHF |  | 2 | 1 | F | 1 | F | F |
| 2156 | 45-CA-257 | S | CSC | 29 | D | D | WHF | P | 2 | 1 | P | 2 | F | C |
| 2157 | 45-CA-257 | S | CSC | 83 | D | D | ANW |  |  |  |  |  |  |  |
| 2158 | 45-CA-257 | S | CSC | 84 | D | D | WHF |  | 3 | 0 |  | 3 | F | T |
| 2159 | 45-CA-257 | S | CSC | 101 | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 2160 | 45-CA-257 | S | CSC | 25 | D | D | ANW |  |  |  | P |  |  |  |
| 2161 | 45-CA-257 | S | CSC | 85 | D | D | PFF | B | 3 | 0 |  | 3 | S | T |
| 2162 | 45-CA-257 | S | CSC | 40 | D | D | PFF |  | 3 | 0 | P | 3 | S | C |
| 2163 | 45-CA-257 | S | CSC | 72 | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 2164 | 45-CA-257 | S | CSC | 94 | T | D |  |  |  |  | F |  |  |  |
| 2165 | 45-CA-257 | S | CSC | 98 | T | D |  |  |  |  | P |  |  |  |


| 2166 | 45-CA-257 | S | CSC | 31 | T | D |  |  |  |  | F |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2167 | 45-CA-257 | S | CSC | 44 | D | D | PFF |  | 2 | 1 | P | 2 | S | C |
| 2168 | 45-CA-257 | S | CSC | 42 | D | D | PFF |  | 3 | 0 |  | 1 | S | F |
| 2169 | 45-CA-257 | S | CSC | 52 | D | D | NPF |  | 2 | 2 | F | 1 | S |  |
| 2170 | 45-CA-257 | S | CSC | 12 | D | D | WHF |  | 3 | 0 | P | 3 | F | C |
| 2171 | 45-CA-257 | S | CSC | 105 | D | D | PFF |  | 2 | 1 | P | 2 | S | T |
| 2172 | 45-CA-257 | S | CSC | 110 | D | D | PFF |  | 3 | 0 |  | 3 | S | T |
| 2173 | 45-CA-257 | S | CSC | 43 | D | D | NPF |  | 2 | 1 | P | 1 | F |  |
| 2174 | 45-CA-257 | S | CSC | 97 | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 2175 | 45-CA-257 | S | CSC | 65 | D | D | ANW |  |  |  |  |  |  |  |
| 2176 | 45-CA-257 | S | CSC | 78 | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 2177 | 45-CA-257 | S | CSC | 58 | D | D | WHF |  | 3 | 0 | F | 3 | F | C |
| 2178 | 45-CA-257 | S | CSC | 82 | D | D | ANW |  |  |  |  |  |  |  |
| 2179 | 45-CA-257 | S | CSC | 81 | D | D | NPF |  | 3 | 0 |  | 5 | F |  |
| 2180 | 45-CA-257 | S | CSC | 80 | D | D | NPF |  | 3 | 0 |  | 2 | S |  |
| 2181 | 45-CA-257 | S | CSC | 75 | T | D |  |  |  |  | F |  |  |  |
| 2182 | 45-CA-257 | S | CSC | 103 | D | D | PFF | B | 3 | 0 |  | 2 | S | T |
| 2183 | 45-CA-257 | S | CSC | 54 | T | D |  |  |  |  | F |  |  |  |
| 2184 | 45-CA-257 | S | CSC | 90 | D | D | ANW |  |  |  | P |  |  |  |
| 2185 | 45-CA-257 | S | CSC | 4 | D | D | WHF |  | 3 | 0 |  | 3 | F | F |
| 2186 | 45-CA-257 | S | CSC | 18 | D | D | NPF |  | 3 | 0 |  | 4 | F |  |
| 2187 | 45-CA-257 | S | CSC | 60 | D | D | PFF |  | 3 | 0 |  | 3 | S | F |
| 2188 | 45-CA-257 | S | CSC | 22 | D | D | PFF | B | 3 | 0 |  | 3 | S | F |
| 2189 | 45-CA-257 | S | CSC | 10 | D | D | NPF |  | 2 | 1 | P | 3 | S |  |
| 2190 | 45-CA-257 | S | CSC | 99 | D | D | PFF |  | 2 | 1 | P | 1 | S | C |
| 2191 | 45-CA-257 | S | CSC | 91 | T | D |  |  |  |  |  |  |  |  |
| 2192 | 45-CA-257 | S | CSC | 69 | D | D | PFF |  | 3 | 0 |  | 4 | S | T |
| 2193 | 45-CA-257 | S | CSC | 76 | D | D | PFF |  | 2 | 1 | P | 2 | S | C |
| 2194 | 45-CA-257 | S | CSC | 15 | D | D | NPF |  | 2 | 2 | I | 1 | F |  |
| 2195 | 45-CA-257 | S | CSC | 14 | T | D |  |  |  |  | I |  |  |  |
| 2196 | 45-CA-257 | S | CSC | 2 | D | D | WHF |  | 3 | 0 | F | 4 | F | C |
| 2197 | 45-CA-257 | S | CSC | 3 | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 2198 | 45-CA-257 | S | CSC | 68 | D | D | WHF |  | 3 | 0 |  | 4 | F | F |
| 2199 | 45-CA-257 | S | CSC | 93 | T | D |  |  |  |  |  |  |  |  |
| 2200 | 45-CA-257 | S | CSC | 57 | D | D | WHF |  | 3 | 0 | F | 2 | F | C |
| 2201 | 45-CA-257 | S | CSC | 59 | D | D | PFF |  | 3 | 0 |  | 2 |  | T |
| 2202 | 45-CA-257 | S | CSC | 6 | D | D | NPF |  | 3 | 0 |  | 2 | F |  |
| 2203 | 45-CA-257 | S | CSC | 107 | D | D | NPF |  | 2 | 1 | F | 2 | F |  |
| 2204 | 45-CA-257 | S | CSC | 86 | D | D | PFF |  | 2 | 2 | P | 2 | S | F |



## APPENIX D

Chipped Stone Artifact Data B

| Category | Code Description |
| :---: | :---: |
| Prov 1 | S= Surface, E= Excavation |
| Prov 2 | CSC= Controlled Surface Collection, TEU= Test Excavation Unit, SHP= Shovel Probe, SQ= Square, USC= Uncontrolled Surface Collection |
| Prov 3 | Levels and Strata for Test Units and Loci for CSC |
| Type | T= Tool, D= Debitage |
| Raw Material | $\mathrm{D}=$ Dacite, $\mathrm{Q}=$ Quartzite, $\mathrm{Z}=$ Quartz Crystal, $\mathrm{O}=$ Obsidian, $\mathrm{C}=\mathrm{CCS}$, $\mathrm{M}=$ Metasediment, $\mathrm{S}=$ Sandstone, $\mathrm{F}=$ Fine-grained Volcanic, $\mathrm{G}=$ Coarse-grained Volcanic, $\mathrm{H}=$ Other |
| Frag Cat | P= Proximal Flake Fragment, N=Non-Proximal or Flake Shatter, A= Angular Shatter |
| Flk Type | $\mathrm{W}=$ Whole Flake, $\mathrm{B}=$ Bifacial thinning flake, $\mathrm{P}=$ Bipolar flake, $\mathrm{L}=$ Blade |
| Tech Cat | 1= Primary, 2= Secondary, 3= Interior |
| Dorsal Cortex | Amount of dorsal cortex $0=0 \%, 1=1-50 \%, 2=51-99 \%, 3=100 \%$ |
| Cortex Type | $\mathrm{S}=$ Smooth, I= Incipient cone, $\mathrm{P}=$ Pitted/vessicular, F= Flat |
| N Dorsal Flk Scars | Count of flake scars on dorsal side |
| Flake Term Type | $\mathrm{F}=$ Feather, $\mathrm{S}=$ Step, $\mathrm{H}=$ Hinge, $\mathrm{P}=$ Plunging |
| Platform | $\mathrm{C}=$ Cortical, $\mathrm{F}=\mathrm{Flat}, \mathrm{T}=$ Faceted, $\mathrm{R}=$ Crushed, $\mathrm{A}=$ Abraded |
| Weight | Weight in grams |
| GLD | Greatest linear dimension |
| Width | Next largest dimension 90 degrees from GLD |
| Thickness | Thickness where GLD and Width meet |
| Class | BF= Biface, U= Uniface, CCT= Cores/Cobble Tools |
| SubClass | $\mathrm{BFF}=$ Bifacial flake, $\mathrm{HBF}=$ Hafted Biface, $\mathrm{ESB}=$ Early Stage Biface, LSB $=$ Late Stage Biface, RUF= Retouched Uniface, UTF= Utilized Flake- no retouch, UDC= Unidirectional Core, MDC= Multidirectional core |
| Retouched? | $\mathrm{Y}=\mathrm{Yes}, \mathrm{N}=$ No |
| Cortex | $\mathrm{Y}=\mathrm{Yes}, \mathrm{N}=\mathrm{No}$ |
| Biface W/B | Biface whole or broken |
| FGV Name | Name of primary source |


| \# | Site | Weight | GLD | Width | Thick | Class | $\begin{gathered} \hline \text { Sub } \\ \text { Class } \\ \hline \end{gathered}$ | Retouch | Cortex | $\begin{gathered} \hline \text { Biface } \\ \text { W/B } \\ \hline \end{gathered}$ | FGV | Notes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 | 45-CA-476 | 12.6 | 36.47 | 39.7 | 8.94 | UFT | RUF | Y | Y |  | Watts <br> Point |  |
| 9 | 45-CA-476 | 7.0 | 32.67 | 29.17 | 12.63 |  |  | N | Y |  |  |  |
| 10 | 45-CA-476 | 8.7 | 37.62 | 18.23 | 12.17 | UFT | RUF | Y | Y |  |  |  |
| 11 | 45-CA-476 | 1.5 | 19.86 | 20.62 | 3.05 |  |  | N | Y |  |  |  |
| 12 | 45-CA-476 | 11.0 | 38.94 | 31.27 | 11.44 |  |  | N | Y |  | Watts Point |  |
| 13 | 45-CA-476 | 11.1 | 44.8 | 18.65 | 12.85 | BFT | LSB | Y | N |  | $\begin{aligned} & \text { Watts } \\ & \text { Point } \end{aligned}$ | Ventral surface visible, broken |
| 14 | 45-CA-476 | 1.3 | 18.79 | 14.31 | 5.29 |  |  | N | N |  |  |  |
| 15 | 45-CA-476 | 11.1 | 45.36 | 35.89 | 8.03 |  |  | N | Y |  |  |  |
| 16 | 45-CA-476 | 5.8 | 41.52 | 20.35 | 10.69 |  |  |  | Y |  |  |  |
| 17 | 45-CA-476 | 1.5 | 20.41 | 17.55 | 6.08 |  |  |  | Y |  |  |  |
| 18 | 45-CA-477 | 22.2 | 49.95 | 38.72 | 11.55 | UFT | RUF | Y | Y |  | $\begin{aligned} & \hline \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 19 | 45-CA-477 | 2.4 | 28.41 | 17.70 | 5.06 |  |  |  | N |  |  |  |
| 20 | 45-CA-477 | 8.8 | 26.59 | 24.05 | 16.6 | CCT | BPC |  | Y |  |  |  |
| 21 | 45-CA-477 | 2.2 | 29.68 | 15.58 | 7.24 |  |  |  | N |  |  |  |
| 22 | 45-CA-477 | 2.1 | 27.06 | 17.14 | 4.86 |  |  |  | N |  |  |  |
| 23 | 45-CA-477 | 14.2 | 50.15 | 31.15 | 8.18 | BFT | HBF | Y | N |  | Watts | Ventral surface visible, broken |
| 24 | 45-CA-477 | 9.2 | 41.47 | 24.61 | 13.65 |  |  |  | Y |  |  |  |
| 25 | 45-CA-477 | 5.0 | 22.69 | 27.58 | 7.42 |  |  |  | Y |  |  |  |
| 26 | 45-CA-477 | 1.1 | 17.28 | 15.16 | 5.48 |  |  |  | Y |  |  |  |
| 27 | 45-CA-477 | 2.5 | 26.33 | 26.09 | 4.57 |  |  |  | N |  |  |  |
| 28 | 45-CA-477 | 2.8 | 22.06 | 18.57 | 7.04 |  |  |  | Y |  |  |  |
| 29 | 45-CA-477 | 2.2 | 22.66 | 19.58 | 4.01 |  |  |  | N |  |  |  |
| 30 | 45-CA-477 | 1.3 | 19.86 | 21.86 | 2.61 |  |  |  | N |  |  |  |
| 31 | 45-CA-477 | 0.9 | 17.51 | 13.41 | 5.46 |  |  |  | Y |  |  |  |
| 32 | 45-CA-477 | 8.7 | 32.48 | 22.96 | 14.83 |  |  |  | Y |  |  |  |
| 33 | 45-CA-477 | 3.9 | 29.11 | 19.97 | 7.22 |  |  |  | Y |  |  |  |
| 34 | 45-JE-237 | 6.1 | 39.68 | 18.32 | 8.5 | BFT | HBF | Y | N |  | Watts |  |
| 35 | 45-CA-479 | 19.6 | 45.46 | 3.18 | 13.25 |  |  |  | Y |  |  |  |
| 36 | 45-CA-414 | 28.3 | 52.99 | 33.69 | 19.03 | CCT | MDC |  | Y |  |  | water worn |
| 37 | 45-CA-414 | 13.1 | 42.65 | 27.33 | 9.47 |  |  |  | Y |  |  | water worn |
| 38 | 45-CA-414 | 19.3 | 37.37 | 25.11 | 23.11 |  |  |  | Y |  |  |  |
| 39 | 45-CA-480 | 7.6 | 30.58 | 25.45 | 8.22 |  |  |  | Y |  |  |  |
| 40 | 45-CA-480 | 7.5 | 32.65 | 27.72 | 9.57 |  |  |  | Y |  |  |  |
| 41 | 45-CA-414 | 11.9 | 32.69 | 23.59 | 17.53 |  |  |  | Y |  |  |  |
| 42 | 45-CA-414 | 47.1 | 43.92 | 33.39 | 23.83 | CCT | MDC |  | Y |  |  | water worn |
| 43 | 45-CA-414 | 8.2 | 27.11 | 24.21 | 11.93 |  |  |  | Y |  |  |  |
| 44 | 45-CA-482 | 54.5 | 48.47 | 37.73 | 30.36 | CCT | MDC |  | Y |  |  | water worn |


|  |  |  |  |  |  |  |  |  |
| ---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| broken in 2 - likely |  |  |  |  |  |  |  |  |
| recent |  |  |  |  |  |  |  |  |


| 83 | 45-CA-441 | 0.1 | 7.51 | 6.02 | 1.74 |  |  |  | N |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 84 | 45-CA-441 | 0.2 | 11.95 | 9.13 | 3.61 |  |  |  | Y |  |  |  |
| 85 | 45-CA-441 | 0.1 | 12.51 | 7.97 | 1.70 |  |  |  | N |  |  |  |
| 86 | 45-CA-435 | 16.9 | 36.87 | 44.19 | 7.27 |  |  |  | Y |  |  |  |
| 87 | 45-CA-435 | 14.1 | 43.5 | 33.01 | 11.22 | UFT | RUF | Y | N |  | Watts Point | scraper -possibly hafted |
| 88 | 45-CA-435 | 3.5 | 20.73 | 18.57 | 9.64 |  |  |  | Y |  |  |  |
| 89 | 45-CA-435 | 3.0 | 19.67 | 18.73 | 5.36 |  |  |  | N |  |  |  |
| 90 | 45-CA-435 | 5.2 | 27.17 | 13.38 | 14.85 |  |  |  | Y |  |  |  |
| 91 | 45-CA-435 | 4.0 | 27.95 | 16.69 | 7.91 | UFT | RUF | Y | N |  |  |  |
| 92 | 45-JE-215 | 8.6 | 26.15 | 29.77 | 8.25 |  |  |  | N |  |  |  |
| 93 | 45-JE-215 | 7.7 | 34.44 | 23.18 | 11.22 |  |  |  | Y |  |  |  |
| 94 | 45-JE-215 | 16.5 | 41.9 | 33.68 | 33.68 |  |  |  | Y |  |  |  |
| 95 | 45-JE-215 | 1.4 | 12.92 | 22.22 | 5.74 |  |  |  | N |  |  |  |
| 96 | 45-JE-215 | 1.5 | 29.77 | 12.07 | 5.55 |  |  |  | N |  |  |  |
| 97 | 45-JE-215 | 19.8 | 40.43 | 27.85 | 18.95 | CCT | MDC |  | Y |  | Watts Point |  |
| 98 | 45-JE-215 | 13.6 | 47.06 | 29.34 | 7.56 | UFT | UTF | N | Y |  | Watts Point | sawing/cutting action |
| 99 | 45-JE-228 | 2.9 | 18.52 | 31.96 | 4.22 |  |  |  | Y |  |  |  |
| 100 | 45-CA-425 | 17.8 | 50.1 | 40.39 | 9.7 | UFT | UTF | N | Y |  |  |  |
| 101 | 45-JE-227 | 9.5 | 48.67 | 26.63 | 12.27 |  |  |  | Y |  | Watts Point |  |
| 102 | 45-JE-227 | 3.6 | 28.22 | 18.45 | 10.21 |  |  |  | Y |  |  |  |
| 103 | 45-JE-233 | 24.0 | 41.85 | 31.84 | 21.18 | CCT | MDC |  | Y |  |  |  |
| 104 | 45-CA-288 | 41.2 | 53.76 | 40.79 | 16.81 | UFT | RUF | Y | N |  | Watts Point | lots of trail damage |
| 105 | 45-CA-288 | 6.2 | 25.89 | 22.47 | 14.08 |  |  |  | Y |  |  | lots of trail damage |
| 106 | 45-CA-471 | 5.1 | 36.55 | 22.39 | 7.21 | UFT | UTF | N | N |  |  |  |
| 107 | 45-CA-471 | 24.9 | 37.56 | 55.28 | 10.23 |  |  |  | Y |  | Watts Point |  |
| 108 | 45-CA-471 | 38.2 | 64.99 | 40.74 | 16.75 | CCT | MDC | N | N |  | Watts Point | also utilized |
| 109 | 45-CA-430 | 1.2 | 20.46 | 17.94 | 4.18 |  |  |  | N |  |  |  |
| 110 | 45-CA-430 | 4.7 | 23.87 | 18.09 | 12.90 | CCT | MDC |  | N |  |  |  |
| 111 | 45-CA-430 | 12.0 | 44.2 | 26.73 | 12.33 | BFT | LSB | N | Y | W | Watts Point | cortex on biface/ppt |
| 112 | 45-CA-430 | 2.6 | 28.87 | 19.24 | 6.4 |  |  |  | N |  |  |  |
| 113 | 45-CA-430 | 6.3 | 28.3 | 21.75 | 10.79 |  |  |  | Y |  |  |  |
| 114 | 45-CA-430 | 11.0 | 37.71 | 31.45 | 6.21 |  |  |  | Y |  |  |  |
| 115 | 45-CA-430 | 1.3 | 21.56 | 15.85 | 5.0 |  |  |  | N |  |  |  |
| 116 | 45-CA-430 | 2.1 | 26.79 | 16.55 | 5.41 |  |  |  | Y |  |  |  |
| 117 | 45-CA-430 | 28.8 | 48.32 | 47.08 | 13.08 | UFT | RUF | Y | Y |  |  |  |
| 118 | 45-CA-430 | 4.7 | 35.74 | 26.57 | 7.52 |  |  |  | N |  |  |  |
| 119 | 45-CA-430 | 1.1 | 19.33 | 15.68 | 4.12 |  |  |  | N |  |  |  |
| 120 | 45-CA-430 | 12.5 | 31.29 | 20.20 | 14.11 |  |  |  | Y |  |  |  |



| 160 | 45-CA-430 | 13.1 | 40.71 | 36.76 | 11.34 |  |  |  | Y |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 161 | 45-CA-430 | 0.9 | 21.4 | 15.5 | 3.47 |  |  |  | Y |  |  |
| 162 | 45-CA-430 | 0.4 | 16.93 | 12.16 | 2.22 |  |  |  | N |  |  |
| 163 | 45-CA-430 | 13.7 | 37.83 | 22.79 | 11.38 | UFT | RUF | Y | Y |  |  |
| 164 | 45-CA-430 | 0.1 | 13.19 | 9.84 | 2.41 |  |  |  | N | Watts Point |  |
| 165 | 45-CA-430 | 7.5 | 31.79 | 27.44 | 9.67 | UFT | RUF | Y | N |  |  |
| 166 | 45-CA-430 | 12.1 | 44.95 | 33.23 | 7.67 | BFT | BFF | Y | Y |  |  |
| 167 | 45-CA-430 | 4.7 | 26.47 | 21.16 | 10.44 | UFT | RUF | Y | Y |  |  |
| 168 | 45-CA-430 | 1.3 | 23.69 | 16.63 | 3.86 |  |  |  | Y |  |  |
| 169 | 45-CA-430 | 0.8 | 20.02 | 12.14 | 2.33 |  |  |  | N |  |  |
| 170 | 45-CA-430 | 36.3 | 51.89 | 42.71 | 15.35 |  |  |  | Y |  |  |
| 171 | 45-CA-430 | 126.5 | 58.86 | 47.78 | 43.06 |  |  |  | Y | Watts Point |  |
| 172 | 45-CA-429 | 1.1 | 18.59 | 14.3 | 6.2 |  |  |  | N |  |  |
| 173 | 45-CA-429 | 0.3 | 13.64 | 9.7 | 3.06 |  |  |  | N |  |  |
| 174 | 45-CA-429 | 2.0 | 19.11 | 17.24 | 5.9 |  |  |  | Y |  |  |
| 175 | 45-CA-429 | 3.0 | 24.50 | 12.64 | 7.65 |  |  |  | Y |  |  |
| 176 | 45-CA-429 | 1.4 | 21.16 | 13.73 | 5.14 |  |  |  | Y |  |  |
| 177 | 45-CA-429 | 0.7 | 19.03 | 9.99 | 3.5 |  |  |  | Y |  |  |
| 178 | 45-CA-429 | 0.6 | 14.33 | 9.16 | 5.64 |  |  |  | Y |  |  |
| 179 | 45-CA-429 | 0.6 | 17.67 | 10.87 | 3.03 |  |  |  | N |  |  |
| 180 | 45-CA-429 | 2.9 | 25.63 | 15.36 | 8.55 |  |  |  | N |  |  |
| 181 | 45-CA-429 | 1.8 | 24.83 | 17.75 | 3.46 |  |  |  | N |  |  |
| 182 | 45-CA-429 | 15.2 | 43.82 | 36.12 | 10.27 |  |  |  | Y |  |  |
| 183 | 45-CA-429 | 0.7 | 17.69 | 9.79 | 4.29 |  |  |  | N | Watts Point |  |
| 184 | 45-CA-429 | 0.3 | 10.78 | 8.66 | 2.20 |  |  |  | Y |  |  |
| 185 | 45-CA-429 | 0.6 | 16.70 | 9.44 | 2.69 |  |  |  | Y |  |  |
| 186 | 45-CA-429 | 0.6 | 19.48 | 8.76 | 3.08 |  |  |  | Y |  |  |
| 187 | 45-CA-429 | 1.6 | 20.82 | 14.14 | 4.31 |  |  |  | N |  |  |
| 188 | 45-CA-429 | 1.8 | 21.02 | 15.69 | 4.40 |  |  |  | Y |  |  |
| 189 | 45-CA-429 | 0.7 | 25.71 | 10.59 | 4.04 |  |  |  | Y |  |  |
| 190 | 45-CA-429 | 0.1 | 12.37 | 10.21 | 1.49 |  |  |  | N |  |  |
| 191 | 45-CA-429 | 0.4 | 14.14 | 7.00 | 3.19 |  |  |  | N |  |  |
| 192 | 45-CA-429 | 2.5 | 24.01 | 21.82 | 4.64 |  |  |  | Y |  |  |
| 193 | 45-CA-429 | 5.3 | 35.56 | 32.74 | 4.97 |  |  |  | N |  |  |
| 194 | 45-CA-429 | 0.9 | 19.48 | 12.10 | 4.79 |  |  |  | N |  |  |
| 195 | 45-CA-429 | 1.6 | 22.89 | 13.45 | 5.05 |  |  |  | Y |  |  |
| 196 | 45-CA-429 | 0.1 | 9.97 | 7.67 | 2.34 |  |  |  | N |  |  |
| 197 | 45-CA-429 | 2.1 | 21.89 | 18.18 | 4.43 | UFT | UTF | N | Y |  |  |


| 198 | 45-CA-429 | 1.7 | 24.19 | 10.68 | 7.79 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 199 | 45-CA-429 | 0.9 | 12.95 | 10.51 | 7.07 |  |  |  | N |  |  |
| 200 | 45-CA-429 | 0.6 | 17.41 | 10.56 | 3.04 |  |  |  | Y |  |  |
| 201 | 45-CA-429 | 1.1 | 17.09 | 12.74 | 4.01 |  |  |  | Y |  |  |
| 202 | 45-CA-429 | 2.0 | 26.65 | 17.37 | 5.74 |  |  |  | N |  |  |
| 203 | 45-CA-429 | 1.2 | 21.87 | 14.38 | 4.38 |  |  |  | Y |  |  |
| 204 | 45-CA-429 | 0.7 | 16.7 | 12.11 | 3.41 |  |  |  | N |  |  |
| 205 | 45-CA-429 | 0.5 | 17.19 | 16.87 | 2.65 |  |  |  | N |  |  |
| 206 | 45-CA-429 | 0.9 | 16.02 | 13.25 | 6.35 |  |  |  | N |  |  |
| 207 | 45-CA-429 | 0.5 | 15.82 | 10.67 | 3.39 |  |  |  | Y |  |  |
| 208 | 45-CA-429 | 0.2 | 10.74 | 6.71 | 2.64 |  |  |  | N |  |  |
| 209 | 45-CA-429 | 1.2 | 22.73 | 10.04 | 6.67 |  |  |  | Y |  |  |
| 210 | 45-CA-429 | 0.4 | 14.54 | 7.29 | 3.75 |  |  |  | N |  |  |
| 211 | 45-CA-429 | 0.8 | 19.58 | 8.08 | 6.31 |  |  |  | N |  |  |
| 212 | 45-CA-429 | 0.4 | 12.13 | 10.51 | 3.97 |  |  |  | N |  |  |
| 213 | 45-CA-429 | 0.3 | 15.89 | 10.38 | 2.52 |  |  |  | N | Watts Point |  |
| 214 | 45-CA-429 | 5.1 | 34.21 | 19.15 | 7.04 |  |  |  | Y |  |  |
| 215 | 45-CA-429 | 0.4 | 16.18 | 10.92 | 2.3 |  |  |  | N |  |  |
| 216 | 45-CA-429 | 15.3 | 48.97 | 32.32 | 10.22 |  |  |  | N |  |  |
| 217 | 45-CA-429 | 3.7 | 29.94 | 28.61 | 4.34 |  |  |  | Y |  |  |
| 218 | 45-CA-429 | 3.0 | 19.13 | 14.68 | 11.67 |  |  |  | Y |  |  |
| 219 | 45-CA-429 | 1.1 | 18.45 | 14.61 | 4.61 |  |  |  | Y |  |  |
| 220 | 45-CA-429 | 0.4 | 14.42 | 9.66 | 2.96 |  |  |  | N |  |  |
| 221 | 45-CA-429 | 1.1 | 19.13 | 17.65 | 2.77 |  |  |  | Y |  |  |
| 222 | 45-CA-429 | 0.6 | 15.88 | 9.25 | 5.34 |  |  |  | N |  |  |
| 223 | 45-CA-429 | 0.2 | 12.58 | 8.72 | 2.16 |  |  |  | N |  |  |
| 224 | 45-CA-429 | 1.2 | 23.18 | 13.99 | 3.08 |  |  |  | N |  |  |
| 225 | 45-CA-429 | 1.5 | 19.49 | 12.91 | 6.31 |  |  |  | N |  |  |
| 226 | 45-CA-429 | 1.5 | 22.27 | 11.67 | 7.43 |  |  |  | Y |  |  |
| 227 | 45-CA-301 | 18.1 | 47.25 | 30.47 | 11.28 |  |  |  | N |  |  |
| 228 | 45-CA-301 | 1.4 | 21.20 | 11.22 | 8.45 |  |  |  | Y |  |  |
| 229 | 45-CA-301 | 5.1 | 37.47 | 30.08 | 5.34 |  |  |  | Y |  |  |
| 230 | 45-CA-301 | 3.9 | 35.89 | 17.44 | 6.01 |  |  |  | Y | Watts <br> Point |  |
| 231 | 45-CA-301 | 7.3 | 35.34 | 25.25 | 8.58 |  |  |  | Y |  |  |
| 232 | 45-CA-301 | 14.2 | 51.4 | 30.6 | 14.17 | UFT | RUF | Y | Y |  |  |
| 233 | 45-CA-301 | 0.2 | 10.53 | 10.35 | 2.15 |  |  |  | N |  |  |
| 234 | 45-CA-301 | 15.5 | 43.07 | 32.77 | 10.66 |  |  |  | Y |  |  |
| 235 | 45-CA-301 | 8.1 | 30.71 | 25.90 | 18.12 |  |  |  | Y |  |  |
| 236 | 45-CA-301 | 26.1 | 48.99 | 39.69 | 18.7 |  |  |  | Y |  |  |


| 237 | 45-CA-301 | 12.9 | 48.95 | 30.60 | 7.67 |  |  |  | Y |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 238 | 45-CA-301 | 14.1 | 39.8 | 36.01 | 11.39 |  |  |  | Y |  |  |  |
| 239 | 45-CA-301 | 5.2 | 36.72 | 24.06 | 5.18 |  |  |  | Y |  |  |  |
| 240 | 45-CA-301 | 2.6 | 24.15 | 20.68 | 5.86 |  |  |  | Y |  |  |  |
| 241 | 45-CA-301 | 2.2 | 29.64 | 15.92 | 4.64 |  |  |  | Y |  |  |  |
| 242 | 45-CA-301 | 1.7 | 25.72 | 18.68 | 3.59 |  |  |  | N |  |  |  |
| 243 | 45-CA-301 | 3.1 | 29.29 | 16.22 | 6.34 |  |  |  | Y |  |  |  |
| 244 | 45-CA-301 | 1.2 | 21.71 | 13.26 | 5.03 |  |  |  | N |  |  |  |
| 245 | 45-CA-301 | 16.1 | 56.32 | 36.54 | 10.12 | UFT | UTF | N | Y |  | Watts Point |  |
| 246 | 45-CA-301 | 0.1 | 10.34 | 9.41 | 1.62 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 247 | 45-CA-301 | 0.1 | 9.68 | 5.75 | 1.07 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 248 | 45-CA-301 | 0.1 | 9.89 | 7.29 | 0.99 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 249 | 45-CA-301 | 0.1 | 10.59 | 7.81 | 1.07 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 250 | 45-CA-301 | 0.1 | 8.10 | 5.04 | 0.99 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 251 | 45-CA-301 | 0.1 | 8.19 | 5.94 | 0.77 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 252 | 45-CA-301 | 0.1 | 7.99 | 4.5 | 1.31 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 253 | 45-CA-301 | 0.1 | 8.71 | 5.99 | 0.95 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 254 | 45-CA-301 | 0.1 | 10.53 | 3.67 | 1.11 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 255 | 45-CA-301 | 0.1 | 9.55 | 5.22 | 1.09 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 256 | 45-CA-301 | 0.1 | 5.74 | 3.70 | 0.34 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 257 | 45-CA-301 | 0.1 | 7.16 | 4.79 | 0.80 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 258 | 45-CA-301 | 0.1 | 5.62 | 2.52 | 0.34 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 259 | 45-CA-301 | 0.1 | 9.22 | 7.90 | 1.56 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 260 | 45-CA-301 | 0.1 | 7.25 | 4.36 | 1.88 |  |  |  | N |  |  | pressure flake, dorsal arisses are worn |
| 261 | 45-CA-442 | 10.2 | 49.97 | 27.19 | 7.22 | BFT | HBF |  | N | B | Watts Point |  |
| 262 | 45-CA-434 | 1.0 | 20.56 | 14.66 | 2.92 |  |  |  | Y |  |  |  |
| 263 | 45-CA-443 | 3.1 | 33.87 | 14.29 | 5.99 | UFT | RUF | Y | N |  |  | scraper |
| 264 | 45-CA-443 | 1.4 | 21.03 | 19.67 | 3.37 |  |  |  | N |  | Watts Point |  |
| 265 | 45-CA-434 | 16.0 | 40.77 | 27.88 | 14.86 | UFT | RUF | Y | Y |  |  |  |
| 266 | 45-CA-429 | 0.1 | 11.24 | 9.44 | 1.52 |  |  |  | N |  |  |  |
| 267 | 45-CA-429 | 5.4 | 31.69 | 20.95 | 6.79 |  |  |  | N |  |  |  |
| 268 | 45-CA-429 | 1.6 | 22.50 | 11.92 | 5.55 |  |  |  | N |  |  |  |
| 269 | 45-JE-107 | 11.1 | 54.37 | 27.25 | 10.87 | BFT | LSB | Y | N | W | Watts Point | Olcott point |
| 270 | 45-JE-110 | 2.7 | 31.90 | 12.36 | 6.63 | BFT | LSB | Y | N | W | Watts Point |  |
| 271 | 45-CA-552 | 0.4 | 18.55 | 11.53 | 2.25 |  |  |  | Y |  |  |  |
| 272 | 45-CA-434 | 9.9 | 42.85 | 25.51 | 7.94 |  |  |  | N |  |  |  |
| 273 | 45-CA-430 | 7.6 | 33.77 | 23.69 | 9.33 | BFT | ESB |  | Y | B | Watts Point |  |


| 274 | 45-CA-430 | 1.2 | 17.39 | 15.97 | 5.93 | BFT | LSB |  | N | B | Watts Point |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 275 | 45-JE-216 | 27.6 | 57.81 | 43.67 | 14.8 |  |  |  | Y |  | Watts Point |  |
| 276 | 45-CA-482 | 13.5 | 49.25 | 28.37 | 7.98 | BFT | LSB |  | N | B | Unkno wn |  |
| 277 | 45-CA-430 | 7.0 | 45.26 | 18.82 | 8.36 | BFT | LSB |  | N | B | Watts Point |  |
| 278 | 45-CA-478 | 25.1 | 59.35 | 32.50 | 11.59 | BFT | LSB |  | N | W | Watts Point | ventral surface hardly retouched, can still see bulb. V. trail polished. |
| 279 | 45-CA-270 | 22.6 | 48.93 | 42.76 | 11.85 | BFT | LSB |  | N | B | Watts Point | v. large/wide biface |
| 280 | 45-CA-432 | 8.7 | 55.30 | 21.96 | 7.33 | BFT | HBF |  | N | W | Watts Point |  |
| 281 | 45-JE-236 | 5.4 | 38.11 | 28.07 | 5.91 | BFT | LSB |  | N | W | Watts Point | ventral surface hardly retouched |
| 282 | 45-CA-444 | 17.4 | 54.51 | 34.29 | 11.32 | BFT | HBF |  | N | B | Watts Point |  |
| 283 | $\begin{aligned} & \text { ONP-2007- } \\ & 09 \\ & \hline \end{aligned}$ | 4.0 | 34.65 | 25.58 | 4.73 |  |  |  | N |  | Watts Point |  |
| 284 | $\begin{aligned} & \text { ONP-2007- } \\ & 09 \end{aligned}$ | 6.4 | 29.18 | 25.97 | 8.53 |  |  |  | Y |  | Watts Point |  |
| 285 | 45-CA-487 | 2.0 | 24.69 | 22.84 | 4.72 |  |  |  | Y |  | Watts <br> Point |  |
| 286 | 45-CA-487 | 1.8 | 23.31 | 18.74 | 5.06 |  |  |  | Y |  | $\begin{aligned} & \hline \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 287 | 45-CA-302 | 4.4 | 30.09 | 26.32 | 7.95 |  |  |  | Y |  | Watts <br> Point |  |
| 288 | 45-CA-302 | 18.3 | 38.08 | 32.44 | 15.39 | CCT | UDC |  | Y |  | Watts |  |
| 289 | 45-CA-561 | 11.9 | 46.97 | 24.27 | 7.10 | UFT | RUF | Y | Y |  | Unkno wn |  |
| 290 | 45-CA-478 | 7.4 | 39.13 | 26.43 | 7.45 | UFT | RUF | Y | N |  |  |  |
| 291 | 45-CA-478 | 11.6 | 36.13 | 35.16 | 11.19 |  |  |  | Y |  |  |  |
| 292 | 45-CA-478 | 1.3 | 23.82 | 16.68 | 3.01 |  |  |  | N |  |  |  |
| 293 | 45-CA-291 | 4.0 | 26.84 | 18.14 | 10.3 |  |  |  | Y |  |  |  |
| 294 | 45-CA-291 | 3.6 | 27.54 | 25.42 | 7.11 |  |  |  | N |  |  |  |
| 295 | 45-CA-291 | 15.4 | 49.21 | 35.19 | 8.21 |  |  |  | N |  |  |  |
| 296 | 45-CA-291 | 9.1 | 39.74 | 38.04 | 8.57 |  |  |  | N |  |  |  |
| 297 | 45-CA-291 | 0.1 | 8.50 | 5.75 | 1.24 |  |  |  | N |  |  |  |
| 298 | 45-CA-291 | 0.4 | 16.00 | 12.06 | 2.76 |  |  |  | N |  |  |  |
| 299 | 45-CA-291 | 0.1 | 8.92 | 6.06 | 1.87 |  |  |  | N |  |  |  |
| 300 | 45-CA-291 | 0.2 | 18.32 | 6.92 | 2.51 |  |  |  | N |  |  |  |
| 301 | 45-CA-291 | 6.8 | 40.65 | 22.05 | 9.64 |  |  |  | Y |  |  |  |
| 302 | 45-CA-291 | 2.9 | 30.62 | 12.19 | 11.35 |  |  |  | Y |  |  |  |
| 303 | 45-CA-291 | 0.1 | 10.51 | 5.97 | 2.46 |  |  |  | Y |  |  |  |
| 304 | 45-CA-291 | 0.9 | 24.02 | 12.21 | 3.20 |  |  |  | N |  |  |  |
| 305 | 45-CA-291 | 0.1 | 12.01 | 5.69 | 2.15 |  |  |  | N |  |  |  |
| 306 | 45-CA-291 | 5.7 | 37.78 | 21.65 | 8.27 | UFT | RUF | Y | Y |  |  |  |
| 307 | 45-CA-291 | 0.4 | 12.64 | 12.31 | 2.70 |  |  |  | N |  |  |  |
| 308 | 45-CA-291 | 2.1 | 23.81 | 20.78 | 4.41 |  |  |  | N |  |  |  |
| 309 | 45-CA-291 | 1.3 | 27.64 | 13.7 | 4.01 |  |  |  | Y |  |  |  |
| 310 | 45-CA-291 | 2.7 | 29.21 | 22.95 | 5.45 |  |  |  | N |  |  |  |


| 311 | 45-CA-291 | 0.6 | 18.94 | 8.39 | 5.76 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 312 | 45-CA-291 | 0.3 | 11.3 | 9.54 | 3.23 |  |  |  | N |  |  |
| 313 | 45-CA-291 | 13.3 | 36.56 | 18.85 | 15.44 | CCT | MDC |  | Y |  |  |
| 314 | 45-CA-291 | 1.3 | 19.09 | 10.16 | 6.41 |  |  |  | N |  |  |
| 315 | 45-CA-291 | 0.2 | 12.20 | 6.49 | 3.69 |  |  |  | N |  |  |
| 316 | 45-CA-291 | 0.3 | 13.25 | 9.43 | 3.36 |  |  |  | N |  |  |
| 317 | 45-CA-291 | 10.0 | 40.42 | 26.62 | 10.80 | UFT | UTF | N | N |  |  |
| 318 | 45-CA-291 | 21.1 | 47.29 | 33.33 | 18.03 |  |  |  | Y |  |  |
| 319 | 45-CA-291 | 8.6 | 35.94 | 29.59 | 7.61 |  |  |  | Y |  |  |
| 320 | 45-CA-291 | 6.7 | 37.75 | 26.10 | 7.77 |  |  |  | Y |  |  |
| 321 | 45-CA-291 | 0.5 | 17.73 | 13.03 | 2.61 |  |  |  | N |  |  |
| 322 | 45-CA-291 | 1.7 | 25.24 | 11.67 | 6.44 |  |  |  | N |  |  |
| 323 | 45-CA-291 | 1.0 | 18.56 | 11.34 | 4.24 |  |  |  | Y |  |  |
| 324 | 45-CA-291 | 0.1 | 9.08 | 6.19 | 0.95 |  |  |  | N |  |  |
| 325 | 45-CA-291 | 0.1 | 13.25 | 7.78 | 2.11 |  |  |  | Y |  |  |
| 326 | 45-CA-291 | 1.0 | 16.89 | 12.81 | 4.78 |  |  |  | Y |  |  |
| 327 | 45-CA-291 | 1.2 | 20.24 | 12.99 | 3.95 |  |  |  | Y |  |  |
| 328 | 45-CA-291 | 0.5 | 14.11 | 12.39 | 2.87 |  |  |  | Y |  |  |
| 329 | 45-CA-291 | 1.2 | 24.08 | 14.11 | 3.76 |  |  |  | Y |  |  |
| 330 | 45-CA-291 | 0.4 | 18.28 | 11.42 | 2.73 |  |  |  | N |  |  |
| 331 | 45-CA-291 | 0.3 | 16.93 | 9.16 | 2.42 |  |  |  | N |  |  |
| 332 | 45-CA-291 | 0.2 | 10.07 | 8.89 | 3.11 |  |  |  | Y |  |  |
| 333 | 45-CA-291 | 2.4 | 24.44 | 22.48 | 6.21 |  |  |  | Y | Watts Point |  |
| 334 | 45-CA-291 | 1.7 | 20.49 | 17.84 | 7.07 |  |  |  | Y |  |  |
| 335 | 45-CA-291 | 0.2 | 10.43 | 6.28 | 3.01 |  |  |  | N |  |  |
| 336 | 45-CA-291 | 0.2 | 11.54 | 10.12 | 2.37 |  |  |  | Y |  |  |
| 337 | 45-CA-291 | 4.9 | 32.40 | 19.45 | 8.21 |  |  |  | Y |  |  |
| 338 | 45-CA-291 | 0.8 | 13.28 | 10.72 | 6.08 |  |  |  | Y |  |  |
| 339 | 45-CA-291 | 0.2 | 12.3 | 11.43 | 1.71 |  |  |  | Y |  |  |
| 340 | 45-CA-291 | 0.8 | 19.31 | 8.53 | 6.93 |  |  |  | Y |  |  |
| 341 | 45-CA-291 | 2.0 | 29.48 | 11.72 | 5.96 |  |  |  | Y | Watts Point |  |
| 342 | 45-CA-291 | 0.1 | 12.57 | 5.65 | 2.04 |  |  |  | N |  |  |
| 343 | 45-CA-291 | 0.3 | 11.96 | 9.21 | 2.56 |  |  |  | N |  |  |
| 344 | 45-CA-291 | 2.0 | 26.40 | 15.38 | 5.17 |  |  |  | Y |  |  |
| 345 | 45-CA-291 | 3.2 | 32.42 | 25.63 | 4.48 |  |  |  | N |  |  |
| 346 | 45-CA-291 | 2.5 | 27.08 | 17.31 | 6.69 |  |  |  | Y |  |  |
| 347 | 45-CA-291 | 1.3 | 22.26 | 16.69 | 4.61 |  |  |  | N |  |  |
| 348 | 45-CA-291 | 9.3 | 41.25 | 26.03 | 8.87 |  |  |  | N |  |  |
| 349 | 45-CA-291 | 3.6 | 23.25 | 19.75 | 9.90 |  |  |  | Y |  |  |


| 350 | 45-CA-291 | 1.7 | 25.38 | 16.28 | 4.53 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 351 | 45-CA-291 | 1.6 | 26.79 | 12.27 | 4.95 |  |  |  | N |  |  |
| 352 | 45-CA-291 | 2.2 | 26.97 | 17.83 | 6.04 |  |  |  | Y |  |  |
| 353 | 45-CA-291 | 1.1 | 23.29 | 14.50 | 4.46 |  |  |  | Y |  |  |
| 354 | 45-CA-291 | 12.1 | 50.37 | 25.82 | 8.59 |  |  |  | Y |  |  |
| 355 | 45-CA-291 | 23.7 | 44.40 | 26.31 | 22.64 | CCT | MDC |  | Y |  |  |
| 356 | 45-CA-291 | 27.0 | 48.34 | 35.28 | 17.89 | CCT | MDC |  | Y |  |  |
| 357 | 45-CA-291 | 33.1 | 60.60 | 39.07 | 15.92 |  |  |  | Y |  |  |
| 358 | 45-CA-291 | 56.9 | 51.25 | 36.55 | 28.54 | CCT | MDC |  | Y |  |  |
| 359 | 45-CA-291 | 2.7 | 34.02 | 18.50 | 4.64 |  |  |  | N |  |  |
| 360 | 45-CA-291 | 0.3 | 15.90 | 9.85 | 2.48 |  |  |  | N |  |  |
| 361 | 45-CA-291 | 0.1 | 12.17 | 7.37 | 1.83 |  |  |  | N |  |  |
| 362 | 45-CA-291 | 19.1 | 50.22 | 37.97 | 11.74 | BFT | BFF | Y | Y |  | bifacially modified flake |
| 363 | 45-CA-291 | 2.9 | 27.41 | 23.09 | 6.95 |  |  |  | Y |  |  |
| 364 | 45-CA-291 | 1.1 | 20.44 | 7.61 | 7.02 |  |  |  | Y |  |  |
| 365 | 45-CA-292 | 25.9 | 41.71 | 36.74 | 19.70 | CCT | MDC |  | Y |  |  |
| 366 | 45-CA-292 | 20.0 | 39.46 | 34.18 | 14.40 | UFT | RUF | Y | Y | Watts Point | core turned unifacial tool |
| 367 | 45-CA-292 | 13.9 | 49.33 | 28.71 | 9.84 | UFT | RUF | Y | N |  |  |
| 368 | 45-CA-292 | 7.0 | 37.79 | 24.32 | 7.17 |  |  |  | Y |  |  |
| 369 | 45-CA-293 | 7.7 | 33.71 | 28.21 | 8.21 |  |  |  | Y | Watts <br> Point |  |
| 370 | 45-CA-293 | 35.8 | 48.19 | 36.24 | 22.98 | CCT | MDC |  | Y |  |  |
| 371 | 45-CA-293 | 1.3 | 19.10 | 15.88 | 4.83 |  |  |  | Y |  |  |
| 372 | 45-CA-293 | 0.5 | 15.44 | 10.16 | 3.35 |  |  |  | N |  |  |
| 373 | 45-CA-257 | 18.3 | 56.85 | 32.47 | 7.22 | UFT | RUF | Y | Y |  |  |
| 374 | 45-CA-257 | 6.4 | 26.59 | 20.13 | 9.87 |  |  |  | Y |  |  |
| 375 | 45-CA-257 | 0.9 | 23.66 | 12.16 | 3.55 |  |  |  | N | Watts <br> Point |  |
| 376 | 45-CA-257 | 7.9 | 35.99 | 24.71 | 9.31 |  |  |  | Y |  |  |
| 377 | 45-CA-257 | 2.6 | 28.20 | 12.69 | 7.02 |  |  |  | N |  |  |
| 378 | 45-JE-238 | 8.1 | 42.21 | 24.71 | 5.85 |  |  |  | Y |  |  |
| 379 | 45-JE-238 | 3.6 | 32.5 | 18.80 | 7.29 | BFT | HBF |  | N |  |  |
| 380 | 45-JE-238 | 5.1 | 44.93 | 26.19 | 4.96 |  |  |  | Y |  |  |
| 381 | 45-JE-238 | 16.1 | 61.11 | 32.78 | 8.26 |  |  |  | Y | Unkno <br> wn |  |
| 382 | 45-JE-238 | 0.8 | 16.12 | 14.45 | 3.65 |  |  |  | Y |  |  |
| 383 | 45-JE-238 | 0.3 | 14.61 | 9.55 | 2.94 |  |  |  | Y |  |  |
| 384 | 45-JE-238 | 24.5 | 55.4 | 35.21 | 15.89 |  |  |  | Y |  |  |
| 385 | 45-JE-238 | 147.0 | 76.12 | 65.05 | 25.99 |  |  |  | Y |  |  |
| 386 | 45-JE-238 | 89.1 | 81.21 | 58.08 | 15.41 |  |  |  | Y |  |  |
| 387 | 45-JE-238 | 106.8 | 80.50 | 56.62 | 17.99 |  |  |  | Y |  |  |




| 465 | 45-CA-432 | 0.1 | 12.59 | 7.43 | 1.88 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 466 | 45-CA-432 | 1.7 | 25.63 | 14.70 | 4.65 |  |  |  | N |  |  |
| 467 | 45-CA-432 | 0.6 | 16.40 | 12.15 | 3.06 |  |  |  | N |  |  |
| 468 | 45-CA-432 | 0.2 | 12.11 | 6.63 | 2.89 |  |  |  | N |  |  |
| 469 | 45-CA-432 | 0.2 | 12.91 | 9.99 | 2.10 |  |  |  | N |  |  |
| 470 | 45-CA-432 | 0.2 | 14.78 | 8.04 | 2.32 |  |  |  | N |  |  |
| 471 | 45-CA-432 | 0.1 | 10.11 | 6.57 | 1.22 |  |  |  | N |  |  |
| 472 | 45-CA-432 | 0.1 | 9.84 | 7.63 | 1.45 |  |  |  | N |  |  |
| 473 | 45-CA-432 | 1.2 | 17.80 | 16.33 | 6.74 |  |  |  | Y |  |  |
| 474 | 45-CA-432 | 1.0 | 20.11 | 15.17 | 2.62 |  |  |  | N |  |  |
| 475 | 45-CA-432 | 0.4 | 15.67 | 9.33 | 3.07 |  |  |  | N |  |  |
| 476 | 45-CA-432 | 14.9 | 41.88 | 28.72 | 12.86 | BFT | BFF | N | Y |  |  |
| 477 | 45-CA-432 | 1.5 | 23.26 | 15.63 | 3.55 |  |  |  | Y |  |  |
| 478 | 45-CA-432 | 2.0 | 23.62 | 19.78 | 4.86 |  |  |  | Y |  |  |
| 479 | 45-CA-432 | 0.1 | 11.61 | 10.73 | 1.81 |  |  |  | Y |  |  |
| 480 | 45-CA-432 | 1.2 | 19.66 | 16.29 | 4.26 |  |  |  | N |  |  |
| 481 | 45-CA-432 | 40.9 | 71.42 | 45.19 | 15.57 |  |  |  | Y |  |  |
| 482 | 45-CA-432 | 0.3 | 11.11 | 7.67 | 7.62 |  |  |  | N |  |  |
| 483 | 45-CA-432 | 6.4 | 42.22 | 16.47 | 9.26 |  |  |  | N | $\begin{aligned} & \text { Unkno } \\ & \text { wn } \\ & \hline \end{aligned}$ |  |
| 484 | 45-CA-432 | 0.3 | 12.5 | 9.21 | 5.03 |  |  |  | N |  |  |
| 485 | 45-CA-432 | 0.4 | 14.13 | 8.61 | 4.38 |  |  |  | Y |  |  |
| 486 | 45-CA-432 | 0.1 | 10.33 | 6.62 | 2.87 |  |  |  | N |  |  |
| 487 | 45-CA-432 | 0.2 | 11.61 | 9.23 | 2.61 |  |  |  | N |  |  |
| 488 | 45-CA-432 | 127.2 | 76.93 | 51.49 | 29.63 | UFT | RUF | Y | Y | $\begin{aligned} & \text { Unkno } \\ & \text { wn } \\ & \hline \end{aligned}$ |  |
| 489 | 45-CA-432 | 3.1 | 24.59 | 20.44 | 4.62 |  |  |  | Y |  |  |
| 490 | 45-CA-432 | 0.3 | 12.35 | 7.43 | 3.13 |  |  |  | Y |  |  |
| 491 | 45-CA-432 | 9.1 | 36.16 | 19.25 | 17.88 |  |  |  | Y |  |  |
| 492 | 45-CA-432 | 126.7 | 66.56 | 58.55 | 31.21 | CCT | MDC |  | Y |  |  |
| 493 | 45-CA-432 | 1.1 | 19.22 | 10.34 | 8.76 |  |  |  | Y |  |  |
| 494 | 45-CA-432 | 3.6 | 26.35 | 18.48 | 7.99 |  |  |  | Y |  |  |
| 495 | 45-CA-432 | 1.7 | 20.22 | 14.42 | 5.12 |  |  |  | Y |  |  |
| 496 | 45-CA-432 | 0.7 | 16.61 | 12.91 | 3.55 |  |  |  | Y |  |  |
| 497 | 45-CA-432 | 0.4 | 12.66 | 12.14 | 3.57 |  |  |  | N |  |  |
| 498 | 45-CA-432 | 0.7 | 16.89 | 9.60 | 4.14 |  |  |  | Y |  |  |
| 499 | 45-CA-432 | 0.2 | 12.78 | 9.15 | 1.69 |  |  |  | N |  |  |
| 500 | 45-CA-432 | 0.3 | 15.20 | 6.67 | 3.08 |  |  |  | Y |  |  |
| 501 | 45-CA-432 | 1.5 | 23.23 | 14.55 | 5.60 |  |  |  | N |  |  |
| 502 | 45-CA-432 | 1.3 | 22.55 | 12.44 | 3.86 |  |  |  | N |  |  |
| 503 | 45-CA-432 | 1.2 | 22.46 | 12.61 | 4.82 |  |  |  | N |  |  |


| 504 | 45-CA-432 | 5.3 | 29.65 | 26.15 | 7.38 |  |  |  | Y |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 505 | 45-CA-432 | 0.9 | 20.15 | 12.70 | 3.23 |  |  |  | N |  |  |
| 506 | 45-CA-432 | 0.3 | 16.74 | 10.65 | 2.39 |  |  |  | N |  |  |
| 507 | 45-CA-432 | 4.3 | 35.11 | 22.78 | 6.12 |  |  |  | Y |  |  |
| 508 | 45-CA-432 | 1.5 | 28.75 | 16.91 | 2.56 |  |  |  | Y |  |  |
| 509 | 45-CA-432 | 2.2 | 23.57 | 20.23 | 4.21 |  |  |  | N |  |  |
| 510 | 45-CA-432 | 62.6 | 75.63 | 46.71 | 19.41 | CCT | MDC |  | Y |  |  |
| 511 | 45-CA-432 | 7.1 | 44.34 | 31.85 | 7.20 | UFT | UTF | N | Y | Watts Point |  |
| 512 | 45-CA-432 | 39.8 | 65.06 | 43.20 | 14.42 | CCT | UDC |  | Y |  |  |
| 513 | 45-CA-432 | 3.3 | 31.22 | 22.15 | 5.80 |  |  |  | N |  |  |
| 514 | 45-CA-432 | 0.2 | 14.49 | 6.48 | 2.01 |  |  |  | Y |  |  |
| 515 | 45-CA-432 | 0.2 | 11.39 | 8.73 | 2.03 |  |  |  | N |  |  |
| 516 | 45-CA-432 | 0.1 | 4.97 | 3.42 | 0.73 |  |  |  | N |  |  |
| 517 | 45-CA-432 | 1.1 | 24.95 | 14.64 | 3.21 |  |  |  | N |  |  |
| 518 | 45-CA-432 | 1.8 | 26.62 | 12.92 | 6.52 |  |  |  | N |  |  |
| 519 | 45-CA-432 | 0.4 | 12.11 | 10.56 | 3.01 |  |  |  | Y |  |  |
| 520 | 45-CA-432 | 1.0 | 24.14 | 10.17 | 4.62 |  |  |  | Y |  |  |
| 521 | 45-CA-432 | 0.5 | 18.43 | 12.54 | 2.85 |  |  |  | N |  |  |
| 522 | 45-CA-432 | 0.3 | 12.33 | 11.06 | 2.32 |  |  |  | N |  |  |
| 523 | 45-CA-432 | 0.9 | 18.41 | 12.21 | 4.06 |  |  |  | N |  |  |
| 524 | 45-CA-432 | 0.2 | 11.24 | 8.74 | 1.96 |  |  |  | N |  |  |
| 525 | 45-CA-432 | 0.1 | 10.99 | 6.32 | 2.23 |  |  |  | N |  |  |
| 526 | 45-CA-432 | 0.5 | 15.78 | 10.82 | 2.91 |  |  |  | N | Watts Point |  |
| 527 | 45-CA-432 | 0.6 | 22.08 | 10.50 | 2.89 |  |  |  | n |  |  |
| 528 | 45-CA-432 | 1.4 | 36.71 | 9.78 | 3.13 |  |  |  | Y |  |  |
| 529 | 45-CA-432 | 5.7 | 31.95 | 25.66 | 8.59 |  |  |  | Y |  |  |
| 530 | 45-CA-432 | 0.9 | 20.46 | 13.82 | 3.65 |  |  |  | Y |  |  |
| 531 | 45-JE-238 | 18.3 | 50.51 | 31.25 | 12.96 | UFT | RUF | Y | Y |  |  |
| 532 | 45-JE-238 | 3.3 | 27.11 | 15.57 | 8.11 |  |  |  | Y |  |  |
| 533 | 45-CA-270 | 5.1 | 35.60 | 26.42 | 6.05 | UFT | UTF | N | Y |  |  |
| 534 | 45-CA-270 | 4.9 | 32.97 | 23.13 | 6.58 |  |  |  | Y |  |  |
| 535 | 45-CA-270 | 2.3 | 26.23 | 20.60 | 5.11 |  |  |  | N |  |  |
| 536 | 45-CA-270 | 0.1 | 5.03 | 3.93 | 1.09 |  |  |  | N |  |  |
| 537 | 45-CA-270 | 0.2 | 10.87 | 8.35 | 1.70 |  |  |  | N |  |  |
| 538 | 45-CA-270 | 2.4 | 19.04 | 14.54 | 10.62 |  |  |  | Y |  |  |
| 539 | 45-CA-270 | 0.1 | 10.10 | 6.71 | 1.73 |  |  |  | N |  |  |
| 540 | 45-CA-270 | 5.3 | 32.34 | 22.76 | 6.82 | BFT | BFF | Y | N |  |  |
| 541 | 45-CA-270 | 9.4 | 29.26 | 20.47 | 18.78 | CCT | MDC |  | Y |  |  |
| 542 | 45-CA-270 | 2.7 | 25.16 | 19.65 | 5.09 |  |  |  | Y |  |  |


| 543 | 45-CA-270 | 1.4 | 19.55 | 17.19 | 4.19 |  |  |  | N |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 544 | 45-CA-270 | 0.5 | 15.85 | 12.39 | 2.50 |  |  |  | N |  |  |  |
| 545 | 45-CA-270 | 0.5 | 15.65 | 12.19 | 2.44 |  |  |  | N |  |  |  |
| 546 | 45-CA-270 | 0.6 | 16.31 | 10.10 | 2.80 |  |  |  | Y |  |  |  |
| 547 | 45-CA-270 | 0.1 | 11.19 | 7.03 | 1.91 |  |  |  | N |  |  |  |
| 548 | 45-CA-270 | 0.4 | 15.43 | 14.63 | 2.34 |  |  |  | N |  |  |  |
| 549 | 45-CA-270 | 0.3 | 12.79 | 9.14 | 3.42 |  |  |  | N |  |  |  |
| 550 | 45-CA-270 | 0.5 | 15.64 | 10.78 | 4.30 |  |  |  | Y |  |  |  |
| 551 | 45-CA-270 | 1.0 | 22.23 | 11.83 | 4.67 |  |  |  | N |  |  |  |
| 552 | 45-CA-270 | 12.3 | 40.31 | 34.33 | 12.24 |  |  |  | Y |  |  |  |
| 553 | 45-CA-270 | 34.6 | 61.68 | 44.13 | 14.65 | UFT | RUF | Y | N |  |  |  |
| 554 | 45-CA-270 | 1.9 | 17.90 | 14.42 | 11.95 |  |  |  | N |  |  |  |
| 555 | 45-CA-270 | 1.4 | 23.59 | 14.64 | 6.41 |  |  |  | N |  |  |  |
| 556 | 45-CA-270 | 0.7 | 12.76 | 9.14 | 7.23 |  |  |  | N |  |  |  |
| 557 | 45-CA-270 | 3.1 | 30.44 | 25.20 | 5.04 |  |  |  | N |  |  |  |
| 558 | 45-CA-270 | 1.5 | 17.22 | 13.82 | 7.42 |  |  |  | Y |  |  |  |
| 559 | 45-CA-270 | 28.3 | 44.04 | 38.12 | 19.22 | CCT | UDC |  | Y |  |  |  |
| 560 | 45-CA-270 | 15.1 | 32.55 | 30.07 | 16.81 | CCT | UDC |  | Y |  |  |  |
| 561 | 45-CA-270 | 23.6 | 42.61 | 40.21 | 12.71 |  |  |  | Y |  |  |  |
| 562 | 45-CA-270 | 18.1 | 40.20 | 26.79 | 26.57 |  |  |  | N |  |  |  |
| 563 | 45-CA-270 | 6.2 | 34.24 | 19.26 | 10.23 |  |  |  | Y |  |  |  |
| 564 | 45-CA-270 | 7.6 | 37.09 | 28.53 | 8.67 | UFT | RUF | Y | Y |  |  |  |
| 565 | 45-CA-270 | 0.8 | 16.65 | 11.07 | 4.20 |  |  |  | Y |  |  |  |
| 566 | 45-CA-270 | 0.8 | 15.63 | 12.37 | 4.58 |  |  |  | N |  |  |  |
| 567 | 45-CA-270 | 4.8 | 32.61 | 20.59 | 6.41 |  |  |  | N |  |  |  |
| 568 | 45-CA-270 | 4.3 | 25.87 | 18.21 | 10.41 |  |  |  | N |  |  |  |
| 569 | 45-CA-270 | 27.0 | 45.65 | 41.23 | 16.44 | CCT | UDC |  | N |  |  |  |
| 570 | 45-CA-270 | 18.6 | 36.38 | 34.52 | 20.39 | CCT | MDC |  | Y |  |  |  |
| 571 | 45-CA-270 | 19.1 | 48.34 | 35.29 | 11.49 |  |  |  | Y |  |  |  |
| 572 | 45-CA-270 | 1.0 | 20.28 | 11.38 | 3.41 |  |  |  | Y |  |  |  |
| 573 | 45-CA-270 | 6.8 | 34.76 | 29.67 | 8.39 |  |  |  | Y |  |  |  |
| 574 | 45-CA-270 | 3.8 | 26.35 | 22.08 | 8.34 |  |  |  | N |  |  |  |
| 575 | 45-CA-270 | 11.2 | 40.93 | 32.26 | 10.24 |  |  |  | Y |  |  |  |
| 576 | 45-CA-270 | 0.9 | 20.01 | 17.43 | 3.02 |  |  |  | N |  |  |  |
| 577 | 45-CA-270 | 4.9 | 26.21 | 16.02 | 12.05 |  |  |  | Y |  |  |  |
| 578 | 45-CA-270 | 0.3 | 12.94 | 10.94 | 2.14 |  |  |  | N |  |  |  |
| 579 | 45-CA-270 | 3.4 | 25.66 | 23.42 | 7.29 |  |  |  | Y |  |  |  |
| 580 | 45-CA-270 | 18.6 | 43.86 | 24.14 | 19.64 | CCT | MDC |  | Y |  |  |  |
| 581 | 45-CA-270 | 0.5 | 16.64 | 11.26 | 3.57 |  |  |  | N |  |  |  |


| 582 | 45-CA-270 | 0.1 | 12.42 | 6.82 | 2.05 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 583 | 45-CA-270 | 2.7 | 24.37 | 19.07 | 8.15 |  |  |  | N |  |  |
| 584 | 45-CA-270 | 1.4 | 26.23 | 14.66 | 4.05 |  |  |  | N |  |  |
| 585 | 45-CA-270 | 0.4 | 16.18 | 9.33 | 3.48 |  |  |  | N |  |  |
| 586 | 45-CA-270 | 0.6 | 19.22 | 11.28 | 3.44 |  |  |  | N | Watts Point |  |
| 587 | 45-CA-270 | 4.4 | 26.48 | 20.56 | 10.09 |  |  |  | Y |  |  |
| 588 | 45-CA-270 | 21.6 | 49.11 | 42.38 | 12.75 |  |  |  | Y |  |  |
| 589 | 45-CA-270 | 2.2 | 23.64 | 16.43 | 6.23 |  |  |  | Y | Unkno <br> wn |  |
| 590 | 45-CA-270 | 4.8 | 28.69 | 16.68 | 12.35 |  |  |  | Y |  |  |
| 591 | 45-CA-270 | 9.0 | 35.73 | 25.42 | 9.67 | UFT | RUF | Y | Y |  |  |
| 592 | 45-CA-270 | 14.2 | 51.62 | 28.69 | 9.62 |  |  |  | Y |  |  |
| 593 | 45-CA-270 | 16.9 | 49.47 | 32.18 | 10.56 |  |  |  | N |  |  |
| 594 | 45-CA-270 | 12.8 | 45.56 | 30.39 | 11.95 |  |  |  | Y |  |  |
| 595 | 45-CA-270 | 3.0 | 25.14 | 16.67 | 6.13 |  |  |  | Y |  |  |
| 596 | 45-CA-270 | 0.8 | 15.86 | 10.77 | 3.87 |  |  |  | Y |  |  |
| 597 | 45-CA-270 | 17.4 | 48.19 | 30.79 | 12.90 |  |  |  | Y |  |  |
| 598 | 45-CA-270 | 2.1 | 18.90 | 12.97 | 7.52 |  |  |  | Y |  |  |
| 599 | 45-CA-270 | 19.6 | 49.25 | 32.62 | 10.76 |  |  |  | Y | Watts Point |  |
| 600 | 45-CA-270 | 12.2 | 44.36 | 19.40 | 16.07 |  |  |  | Y |  |  |
| 601 | 45-CA-270 | 0.2 | 10.99 | 8.12 | 2.86 |  |  |  | N |  |  |
| 602 | 45-CA-270 | 21.0 | 42.91 | 35.81 | 16.53 |  |  |  | N |  |  |
| 603 | 45-CA-270 | 1.8 | 20.26 | 20.00 | 4.03 |  |  |  | Y |  |  |
| 604 | 45-CA-270 | 28.8 | 50.22 | 38.24 | 20.34 | UFT | RUF | Y | Y |  |  |
| 605 | 45-CA-270 | 1.2 | 25.40 | 12.93 | 2.97 |  |  |  | N |  |  |
| 606 | 45-CA-270 | 23.1 | 43.60 | 41.69 | 14.68 |  |  |  | N |  |  |
| 607 | 45-CA-270 | 11.0 | 36.30 | 28.96 | 12.83 |  |  |  | Y |  |  |
| 608 | 45-CA-270 | 7.9 | 44.88 | 19.67 | 7.21 | UFT | UTF | N | Y |  |  |
| 609 | 45-CA-270 | 6.8 | 36.01 | 22.69 | 7.97 |  |  |  | N |  |  |
| 610 | 45-CA-270 | 5.0 | 31.46 | 19.52 | 7.61 |  |  |  | N | Watts Point |  |
| 611 | 45-CA-270 | 35.7 | 61.66 | 28.95 | 20.38 |  |  |  | Y |  |  |
| 612 | 45-CA-270 | 6.8 | 37.88 | 25.65 | 8.09 |  |  |  | Y |  |  |
| 613 | 45-CA-270 | 7.2 | 40.33 | 28.86 | 6.66 |  |  |  | N |  |  |
| 614 | 45-CA-270 | 12.2 | 36.11 | 23.99 | 19.12 |  |  |  | Y |  |  |
| 615 | 45-CA-270 | 1.1 | 20.65 | 15.20 | 3.95 | UFT | UTF | N | Y |  |  |
| 616 | 45-CA-270 | 13.4 | 36.03 | 34.67 | 15.79 |  |  |  | Y |  |  |
| 617 | 45-CA-270 | 2.7 | 28.89 | 20.25 | 4.91 |  |  |  | Y |  |  |
| 618 | 45-CA-270 | 0.9 | 20.47 | 11.49 | 4.48 |  |  |  | N |  |  |
| 619 | 45-CA-270 | 25.7 | 46.72 | 40.84 | 12.64 |  |  |  | N |  |  |


| 620 | 45-CA-270 | 8.9 | 38.24 | 34.10 | 7.20 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 621 | 45-CA-270 | 0.5 | 14.69 | 11.81 | 2.76 |  |  |  | N |  |  |
| 622 | 45-CA-270 | 1.0 | 16.65 | 14.69 | 4.40 |  |  |  | Y |  |  |
| 623 | 45-CA-270 | 0.8 | 16.47 | 10.45 | 5.09 |  |  |  | N |  |  |
| 624 | 45-CA-270 | 15.2 | 55.59 | 20.47 | 12.01 | CCT | UDC |  | Y |  | blade core |
| 625 | 45-CA-270 | 21.4 | 41.65 | 36.04 | 15.67 | CCT | MDC |  | N |  |  |
| 626 | 45-CA-270 | 12.0 | 48.58 | 23.89 | 9.22 | UFT | RUF | Y | N |  |  |
| 627 | 45-CA-270 | 4.3 | 26.62 | 20.72 | 9.40 |  |  |  | Y |  |  |
| 628 | 45-CA-270 | 1.1 | 18.48 | 15.16 | 3.51 |  |  |  | N |  |  |
| 629 | 45-CA-270 | 2.6 | 31.41 | 20.77 | 4.21 |  |  |  | N |  |  |
| 630 | 45-CA-270 | 0.2 | 10.62 | 6.70 | 2.74 |  |  |  | N |  |  |
| 631 | 45-CA-270 | 21.9 | 38.67 | 25.20 | 25.02 | CCT | MDC |  | Y |  |  |
| 632 | 45-CA-270 | 25.8 | 36.94 | 33.99 | 19.69 | CCT | MDC |  | Y |  |  |
| 633 | 45-CA-270 | 3.2 | 24.87 | 16.62 | 9.07 |  |  |  | N |  |  |
| 634 | 45-CA-270 | 0.5 | 13.89 | 12.07 | 2.84 |  |  |  | N |  |  |
| 635 | 45-CA-270 | 6.0 | 30.53 | 27.18 | 6.47 |  |  |  | N |  |  |
| 636 | 45-CA-270 | 0.2 | 10.53 | 9.66 | 2.34 |  |  |  | N |  |  |
| 637 | 45-CA-270 | 2.0 | 22.65 | 15.85 | 6.59 |  |  |  | Y |  |  |
| 638 | 45-CA-270 | 9.2 | 32.82 | 25.64 | 12.19 |  |  |  | N |  |  |
| 639 | 45-CA-270 | 12.9 | 40.90 | 30.62 | 10.99 |  |  |  | Y |  |  |
| 640 | 45-CA-270 | 7.4 | 32.79 | 19.16 | 16.54 | UFT | RUF | Y | Y |  |  |
| 641 | 45-CA-270 | 26.0 | 50.81 | 28.82 | 18.99 | CCT | UDC |  | Y |  |  |
| 642 | 45-CA-270 | 0.5 | 12.83 | 11.00 | 2.59 |  |  |  | N |  |  |
| 643 | 45-CA-270 | 0.9 | 18.52 | 12.84 | 3.64 |  |  |  | N |  |  |
| 644 | 45-CA-270 | 39.4 | 48.42 | 35.79 | 19.54 | CCT | UDC |  | Y |  |  |
| 645 | 45-CA-270 | 3.9 | 26.32 | 24.87 | 7.56 |  |  |  | N |  |  |
| 646 | 45-CA-270 | 7.8 | 35.95 | 26.24 | 8.16 |  |  |  | Y |  |  |
| 647 | 45-CA-270 | 44.7 | 43.25 | 33.82 | 32.11 | CCT | UDC |  | Y |  |  |
| 648 | 45-CA-270 | 3.3 | 32.06 | 19.12 | 5.97 |  |  |  | N |  |  |
| 649 | 45-CA-270 | 3.0 | 20.44 | 11.84 | 10.76 |  |  |  | Y |  |  |
| 650 | 45-CA-270 | 1.9 | 19.22 | 18.17 | 5.95 |  |  |  | N |  |  |
| 651 | 45-CA-270 | 3.4 | 23.98 | 19.54 | 7.55 |  |  |  | Y |  |  |
| 652 | 45-CA-270 | 7.3 | 36.37 | 24.99 | 9.16 |  |  |  | Y |  |  |
| 653 | 45-CA-270 | 4.1 | 24.16 | 14.63 | 7.62 |  |  |  | Y |  |  |
| 654 | 45-CA-270 | 0.5 | 14.40 | 11.15 | 3.2 |  |  |  | N |  |  |
| 655 | 45-CA-270 | 0.8 | 16.53 | 12.01 | 3.38 |  |  |  | N |  |  |
| 656 | 45-CA-270 | 0.8 | 18.55 | 12.26 | 3.05 |  |  |  | N |  |  |
| 657 | 45-CA-270 | 0.5 | 15.21 | 10.17 | 3.22 |  |  |  | N |  |  |
| 658 | 45-CA-270 | 0.9 | 20.44 | 12.64 | 4.14 |  |  |  | N |  |  |


| 659 | 45-CA-270 | 1.2 | 20.54 | 16.56 | 3.87 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 660 | 45-CA-270 | 6.5 | 32.65 | 22.55 | 12.35 |  |  |  | N |  |  |
| 661 | 45-CA-270 | 1.7 | 25.86 | 12.57 | 5.11 |  |  |  | N |  |  |
| 662 | 45-CA-270 | 4.6 | 29.96 | 18.65 | 10.16 |  |  |  | Y |  |  |
| 663 | 45-CA-270 | 4.8 | 36.49 | 20.14 | 4.84 |  |  |  | Y |  |  |
| 664 | 45-CA-436 | 5.1 | 31.51 | 25.44 | 6.67 | UFT | RUF | Y | Y |  |  |
| 665 | 45-CA-436 | 1.5 | 22.56 | 17.45 | 3.39 |  |  |  | Y |  |  |
| 666 | 45-CA-436 | 7.9 | 41.01 | 23.80 | 10.27 | UFT | UTF | N | Y |  |  |
| 667 | 45-CA-436 | 1.6 | 22.58 | 14.75 | 4.01 |  |  |  | N |  |  |
| 668 | 45-CA-436 | 4.2 | 31.70 | 28.48 | 4.44 |  |  |  | Y |  |  |
| 669 | 45-CA-436 | 0.5 | 12.73 | 10.38 | 3.64 |  |  |  | Y |  |  |
| 670 | 45-CA-436 | 37.1 | 69.01 | 41.95 | 12.46 | UFT | RUF | Y | Y | Watts Point |  |
| 671 | 45-CA-436 | 18.5 | 43.64 | 28.75 | 17.48 | CCT | UDC |  | Y |  |  |
| 672 | 45-CA-436 | 7.2 | 42.49 | 17.39 | 10.68 | UFT | UTF | N | Y |  |  |
| 673 | 45-CA-436 | 18.4 | 45.60 | 36.32 | 10.87 | BFT | BFF | Y | N |  |  |
| 674 | 45-CA-436 | 13.2 | 49.33 | 30.55 | 10.30 | UFT | RUF | Y | N |  |  |
| 675 | 45-CA-436 | 28.2 | 56.38 | 34.85 | 10.63 | UFT | UTF | N | Y |  |  |
| 676 | 45-CA-436 | 3.2 | 24.93 | 16.97 | 6.23 |  |  |  | Y |  |  |
| 677 | 45-CA-436 | 1.4 | 25.28 | 11.66 | 4.52 | UFT | RUF | Y | Y |  |  |
| 678 | 45-CA-436 | 1.1 | 23.49 | 16.05 | 3.12 |  |  |  | N |  |  |
| 679 | 45-CA-436 | 52.4 | 56.25 | 43.41 | 23.13 |  |  |  | Y |  |  |
| 680 | 45-CA-436 | 294.7 | 80.91 | 64.38 | 48.25 | CCT | MDC |  | Y |  |  |
| 681 | 45-CA-439 | 92.2 | 81.17 | 50.50 | 20.19 | BFT | BFF | Y | Y |  |  |
| 682 | 45-CA-439 | 18.8 | 47.91 | 40.45 | 9.38 | UFT | RUF | Y | Y |  |  |
| 683 | 45-CA-439 | 4.7 | 38.64 | 23.65 | 8.20 |  |  |  | Y |  |  |
| 684 | 45-CA-439 | 0.4 | 16.32 | 9.01 | 3.61 |  |  |  | N |  |  |
| 685 | 45-CA-439 | 2.7 | 26.52 | 20.55 | 4.89 |  |  |  | Y | Watts Point |  |
| 686 | 45-CA-439 | 0.1 | 8.4 | 4.61 | 1.55 |  |  |  | N |  |  |
| 687 | 45-CA-439 | 0.2 | 12.79 | 7.24 | 1.84 |  |  |  | N |  |  |
| 688 | 45-CA-439 | 0.1 | 13.88 | 4.53 | 2.49 |  |  |  | N |  |  |
| 689 | 45-CA-439 | 0.1 | 6.28 | 4.48 | 1.44 |  |  |  | N |  |  |
| 690 | 45-CA-438 | 0.2 | 11.79 | 9.10 | 2.05 |  |  |  | N |  |  |
| 691 | 45-CA-438 | 0.2 | 11.78 | 5.84 | 3.42 |  |  |  | N |  |  |
| 692 | 45-CA-438 | 0.4 | 14.43 | 11.49 | 3.22 |  |  |  | N |  |  |
| 693 | 45-CA-438 | 1.4 | 22.41 | 14.69 | 4.36 |  |  |  | N |  |  |
| 694 | 45-CA-438 | 0.6 | 18.02 | 12.71 | 2.78 |  |  |  | N |  |  |
| 695 | 45-CA-438 | 0.1 | 8.63 | 6.06 | 1.19 |  |  |  | N |  |  |
| 696 | 45-CA-438 | 0.1 | 7.50 | 6.54 | 2.35 |  |  |  | N |  |  |
| 697 | 45-CA-438 | 0.2 | 12.05 | 6.41 | 2.14 |  |  |  | N |  |  |


| 698 | 45-CA-438 | 1.8 | 25.88 | 16.40 | 3.91 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 699 | 45-CA-438 | 1.8 | 31.19 | 20.31 | 2.93 |  |  |  | N |  |  |
| 700 | 45-CA-438 | 0.4 | 16.16 | 10.04 | 2.92 |  |  |  | N |  |  |
| 701 | 45-CA-438 | 0.1 | 10.99 | 5.03 | 1.65 |  |  |  | N |  |  |
| 702 | 45-CA-438 | 1.0 | 19.66 | 15.96 | 3.27 |  |  |  | Y | Watts Point |  |
| 703 | 45-CA-438 | 0.1 | 8.08 | 6.69 | 2.50 |  |  |  | N |  |  |
| 704 | 45-CA-438 | 2.3 | 25.81 | 16.17 | 5.04 |  |  |  | Y |  |  |
| 705 | 45-CA-438 | 10.1 | 41.49 | 30.52 | 7.65 |  |  |  | Y |  |  |
| 706 | 45-CA-438 | 1.6 | 24.01 | 18.16 | 5.99 |  |  |  | Y |  |  |
| 707 | 45-CA-438 | 0.8 | 18.99 | 12.07 | 3.79 |  |  |  | Y |  |  |
| 708 | 45-CA-438 | 1.0 | 16.87 | 12.43 | 7.63 |  |  |  | N |  |  |
| 709 | 45-CA-438 | 1.7 | 26.79 | 12.22 | 4.71 |  |  |  | N |  |  |
| 710 | 45-CA-438 | 0.6 | 19.65 | 9.99 | 2.46 | UFT | UTF | N | Y |  |  |
| 711 | 45-CA-438 | 6.3 | 31.66 | 23.16 | 7.68 |  |  |  | Y |  |  |
| 712 | 45-CA-438 | 1.4 | 18.55 | 12.05 | 7.26 | UFT | UTF | N | Y |  |  |
| 713 | 45-CA-438 | 0.1 | 7.40 | 4.65 | 1.25 |  |  |  | N |  |  |
| 714 | 45-CA-438 | 3.2 | 26.89 | 16.62 | 6.60 |  |  |  | Y |  |  |
| 715 | 45-CA-438 | 0.3 | 12.12 | 8.05 | 2.51 |  |  |  | Y |  |  |
| 716 | 45-CA-438 | 1.8 | 20.54 | 12.63 | 8.09 |  |  |  | Y |  |  |
| 717 | 45-CA-438 | 3.6 | 40.56 | 17.85 | 5.52 |  |  |  | Y |  |  |
| 718 | 45-CA-438 | 3.7 | 33.98 | 19.94 | 6.64 |  |  |  | Y |  |  |
| 719 | 45-CA-438 | 1.6 | 22.76 | 20.38 | 3.59 |  |  |  | Y |  |  |
| 720 | 45-JE-234 | 5.6 | 32.22 | 26.74 | 6.50 |  |  |  | N |  |  |
| 721 | 45-MS-113 | 1.1 | 19.39 | 13.87 | 4.27 |  |  |  | N | Watts Point |  |
| 722 | 45-CA-446 | 2.9 | 30.69 | 15.46 | 9.05 |  |  |  | N |  |  |
| 723 | 45-JE-107 | 1.2 | 23.24 | 11.95 | 3.83 |  |  |  | Y |  |  |
| 724 | 45-CA-445 | 2.1 | 26.56 | 19.66 | 4.01 |  |  |  | Y | Watts <br> Point |  |
| 725 | 45-CA-437 | 1.2 | 20.74 | 14.44 | 5.56 |  |  |  | N | Watts Point |  |
| 726 | 45-CA-437 | 0.1 | 9.95 | 7.23 | 2.40 |  |  |  | N |  |  |
| 727 | 45-CA-437 | 0.7 | 19.25 | 7.65 | 6.54 |  |  |  | N |  |  |
| 728 | 45-CA-437 | 0.1 | 8.41 | 7.21 | 1.66 |  |  |  | N |  |  |
| 729 | 45-CA-SC | 350.6 | 79.69 | 78.70 | 49.22 | UFT | RUF | Y | Y |  |  |
| 730 | 45-CA-SC | 32.2 | 60.82 | 56.41 | 11.15 |  |  |  | Y |  |  |
| 731 | 45-CA-SC | 2.0 | 22.61 | 17.89 | 4.79 |  |  |  | Y |  |  |
| 732 | 45-CA-SC | 0.1 | 12.63 | 7.67 | 1.62 |  |  |  | N |  |  |
| 733 | 45-CA-SC | 1.1 | 24.22 | 14.26 | 2.90 |  |  |  | N |  |  |
| 734 | 45-CA-SC | 3.7 | 32.92 | 30.00 | 3.59 |  |  |  | N |  |  |
| 735 | 45-CA-SC | 3.3 | 30.01 | 16.42 | 11.27 |  |  |  | Y |  |  |


| 736 | 45-CA-SC | 1.3 | 25.66 | 20.21 | 3.17 |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 737 | 45-CA-SC | 0.2 | 11.27 | 9.58 | 1.90 |  |  | N |  |  |
| 738 | 45-CA-SC | 5.3 | 36.82 | 18.63 | 9.16 |  |  | Y |  |  |
| 739 | 45-CA-SC | 233.9 | 90.85 | 65.03 | 35.60 | CCT | MDC | Y |  | 18-6 |
| 740 | 45-CA-SC | 0.8 | 16.22 | 10.51 | 5.05 |  |  | N |  | 18-1 |
| 741 | 45-CA-SC | 2.8 | 25.90 | 16.17 | 6.41 |  |  | Y |  | 18-9 |
| 742 | 45-CA-SC | 1.5 | 19.93 | 12.12 | 6.22 |  |  | N |  | 7-2 |
| 743 | 45-CA-SC | 0.5 | 16.62 | 10.61 | 2.87 |  |  | Y |  | 286-10 |
| 744 | 45-CA-SC | 1.1 | 23.92 | 14.26 | 3.55 |  |  | N |  | 290-4 |
| 745 | 45-CA-SC | 2.1 | 23.40 | 18.83 | 4.97 |  |  | N |  | 290-19 |
| 746 | 45-CA-SC | 8.2 | 36.71 | 25.98 | 8.31 |  |  | Y | Watts <br> Point | 290-13 |
| 747 | 45-CA-SC | 0.8 | 16.40 | 14.19 | 2.95 |  |  | Y |  | 290-21 |
| 748 | 45-CA-SC | 5.4 | 34.03 | 19.91 | 10.50 |  |  | Y |  | 290-30 |
| 749 | 45-CA-SC | 2.1 | 32.80 | 16.05 | 6.61 |  |  | Y |  | 290-28 |
| 750 | 45-CA-SC | 1.0 | 18.33 | 11.68 | 4.34 |  |  | Y |  | 290-48 |
| 751 | 45-CA-SC | 1.5 | 22.46 | 19.21 | 4.50 |  |  | N | Watts <br> Point | 290-37 |
| 752 | 45-CA-SC | 0.8 | 18.38 | 11.28 | 4.36 |  |  | Y |  | 290-38 |
| 753 | 45-CA-SC | 0.2 | 14.61 | 6.49 | 1.83 |  |  | N |  | 290-49 |
| 754 | 45-CA-SC | 0.5 | 16.17 | 9.81 | 3.13 |  |  | N |  | 290-45 |
| 755 | 45-CA-SC | 0.3 | 12.87 | 8.10 | 3.93 |  |  | Y |  | 290-34 |
| 756 | 45-CA-SC | 0.4 | 15.27 | 10.37 | 4.60 |  |  | N |  | 290-71 |
| 757 | 45-CA-SC | 0.3 | 16.74 | 8.12 | 2.60 |  |  | N |  | 290-56 |
| 758 | 45-CA-SC | 0.6 | 18.85 | 9.62 | 2.77 |  |  | Y |  | 290-74 |
| 759 | 45-CA-SC | 0.6 | 14.75 | 11.49 | 4.55 |  |  | N |  | 290-62 |
| 760 | 45-CA-SC | 0.4 | 14.77 | 9.15 | 2.5 |  |  | Y |  | 290-63 |
| 761 | 45-CA-SC | 0.6 | 17.92 | 12.42 | 3.01 |  |  | Y |  | 290-55 |
| 762 | 45-CA-SC | 0.7 | 16.20 | 13.95 | 3.23 |  |  | N |  | 290-57 |
| 763 | 45-CA-SC | 0.1 | 11.49 | 7.40 | 1.67 |  |  | N |  | 290-64 |
| 764 | 45-CA-SC | 0.1 | 10.12 | 7.20 | 1.68 |  |  | N |  | 290-91 |
| 765 | 45-CA-SC | 0.4 | 15.48 | 10.24 | 2.33 |  |  | N |  | 290-86 |
| 766 | 45-CA-SC | 0.1 | 8.06 | 5.89 | 1.41 |  |  | N |  | 290-85 |
| 767 | 45-CA-SC | 0.3 | 14.07 | 11.56 | 2.53 |  |  | N |  | 290-96 |
| 768 | 45-CA-SC | 0.2 | 12.56 | 7.51 | 2.21 |  |  | N |  | 290-95 |
| 769 | 45-CA-SC | 0.1 | 9.02 | 8.16 | 1.59 |  |  | N |  | 290-82 |
| 770 | 45-CA-SC | 0.2 | 9.87 | 7.20 | 2.63 |  |  | N |  | 290-93 |
| 771 | 45-CA-SC | 2.5 | 28.81 | 15.67 | 6.18 |  |  | N |  | 290-78 |
| 772 | 45-CA-SC | 0.3 | 12.66 | 9.20 | 2.05 |  |  | N |  | 292-35 |
| 773 | 45-CA-SC | 0.3 | 16.81 | 13.81 | 1.65 |  |  | N |  | 292-21 |
| 774 | 45-CA-SC | 0.7 | 19.18 | 10.97 | 2.83 |  |  | N |  | 292-3 |


| 775 | 45-CA-SC | 0.5 | 16.00 | 12.91 | 2.08 |  |  |  | N |  | 292-1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 776 | 45-CA-SC | 0.4 | 19.87 | 9.82 | 2.69 |  |  |  | N |  | 292-24 |
| 777 | 45-CA-SC | 0.6 | 18.54 | 10.61 | 3.13 |  |  |  | N |  | 292-18 |
| 778 | 45-CA-SC | 0.9 | 20.03 | 12.36 | 5.65 |  |  |  | Y |  | 292-23 |
| 779 | 45-CA-SC | 0.5 | 19.98 | 11.16 | 2.19 |  |  |  | N |  | 292-17 |
| 780 | 45-CA-SC | 0.3 | 16.47 | 10.26 | 1.65 |  |  |  | N |  | 292-5 |
| 781 | 45-CA-SC | 0.6 | 17.80 | 12.01 | 3.25 |  |  |  | N |  | 292-14 |
| 782 | 45-CA-SC | 0.6 | 16.44 | 12.06 | 2.56 |  |  |  | Y |  | 292-16 |
| 783 | 45-CA-SC | 0.4 | 16.65 | 12.24 | 2.13 |  |  |  | N |  | 292-12 |
| 784 | 45-CA-SC | 15.7 | 51.40 | 32.75 | 12.89 | CCT | MDC |  | Y |  | 304-17 |
| 785 | 45-CA-SC | 0.2 | 11.99 | 9.93 | 1.42 |  |  |  | Y |  | 304-2 |
| 786 | 45-CA-SC | 0.4 | 14.55 | 8.04 | 3.63 |  |  |  | N |  | 304-6 |
| 787 | 45-CA-SC | 28.8 | 58.15 | 32.15 | 12.12 |  |  |  | Y |  | 305-11 |
| 788 | 45-CA-SC | 0.5 | 15.39 | 11.23 | 2.38 |  |  |  | Y |  | 302-4 |
| 789 | 45-CA-SC | 1.2 | 18.63 | 16.55 | 4.95 |  |  |  | N |  | 302-11 |
| 790 | 45-CA-SC | 48.1 | 44.82 | 36.65 | 30.28 | CCT | MDC |  | Y |  | 106-31 core v. lightly used |
| 791 | 45-CA-SC | 3.5 | 30.56 | 16.27 | 9.81 |  |  |  | Y |  | 108-16 |
| 792 | 45-CA-SC | 3.6 | 30.0 | 25.65 | 5.08 |  |  |  | N |  | 108-17 |
| 793 | 45-CA-SC | 1.1 | 19.24 | 14.65 | 4.82 |  |  |  | N |  | 108-5 |
| 794 | 45-CA-SC | 0.1 | 10.47 | 8.61 | 0.90 |  |  |  | N |  | 1081 |
| 795 | 45-CA-SC | 1.1 | 18.84 | 16.79 | 4.92 |  |  |  | Y |  | 106-22 |
| 796 | 45-CA-SC | 2.1 | 19.14 | 15.43 | 8.36 | UFT | UTF | N | Y |  | 106-26 |
| 797 | 45-CA-SC | 0.4 | 15.98 | 11.06 | 2.31 |  |  |  | N |  | 106-11 |
| 798 | 45-CA-SC | 0.9 | 20.00 | 15.65 | 2.77 |  |  |  | N |  | 106-16 |
| 799 | 45-CA-SC | 1.2 | 18.82 | 11.40 | 6.45 |  |  |  | Y |  | 106-25 |
| 800 | 45-CA-SC | 17.7 | 51.63 | 32.26 | 12.64 |  |  |  | Y |  | 24-18 |
| 801 | 45-CA-SC | 1.9 | 22.43 | 14.45 | 5.82 |  |  |  | Y |  | 24-12 |
| 802 | 45-CA-SC | 0.6 | 12.93 | 8.76 | 5.07 |  |  |  | Y |  | 28-1 |
| 803 | 45-CA-SC | 9.7 | 45.57 | 19.66 | 11.61 |  |  |  | Y | Watts Point | 30-3 |
| 804 | 45-CA-SC | 102.9 | 81.67 | 45.96 | 26.19 |  |  |  | Y |  | 28-8 |
| 805 | 45-CA-SC | 27.6 | 47.95 | 32.01 | 24.44 | CCT | MDC |  | Y |  | 34-22 |
| 806 | 45-CA-SC | 0.8 | 18.65 | 10.53 | 4.20 |  |  |  | Y |  | 34-6 |
| 807 | 45-CA-SC | 1.1 | 19.98 | 18.01 | 3.46 |  |  |  | N |  | 34-10 |
| 808 | 45-CA-SC | 15.9 | 44.53 | 20.07 | 15.80 | UFT | RUF | Y | Y |  | 34-20 |
| 809 | 45-CA-SC | 0.1 | 9.69 | 7.90 | 1.47 |  |  |  | N |  | 62-1 |
| 810 | 45-CA-SC | 5.1 | 35.95 | 24.83 | 6.41 |  |  |  | Y |  | 64-14 |
| 811 | 45-CA-SC | 3.9 | 36.92 | 24.69 | 4.55 |  |  |  | N |  | 64-12 |
| 812 | 45-CA-SC | 1.1 | 18.82 | 10.85 | 6.33 |  |  |  | N |  | 64-6 |
| 813 | 45-CA-SC | 0.2 | 11.48 | 8.77 | 1.97 |  |  |  | N |  | 64-2 |


| 814 | 45-CA-SC | 13.2 | 36.37 | 16.79 | 16.60 | CCT | MDC |  | Y |  | 52-10 core v . lightly used |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 815 | 45-CA-SC | 1.3 | 19.65 | 15.20 | 4.92 |  |  |  | N |  | 74-4 |
| 816 | 45-CA-SC | 1.2 | 22.61 | 17.87 | 3.24 |  |  |  | N |  | 74-1 |
| 817 | 45-CA-SC | 1.5 | 19.95 | 15.52 | 5.09 |  |  |  | Y |  | 74-3 |
| 818 | 45-CA-SC | 52.4 | 66.41 | 51.54 | 16.16 | UFT | RUF | Y | Y |  | 70-11 |
| 819 | 45-CA-SC | 31.2 | 51.21 | 28.96 | 25.97 |  |  |  | Y |  | 196-15 |
| 820 | 45-CA-SC | 1.1 | 18.31 | 16.64 | 3.61 |  |  |  | Y |  | 196-3 |
| 821 | 45-CA-SC | 2.4 | 22.52 | 16.18 | 12.67 |  |  |  | Y |  | 196-7 |
| 822 | 45-CA-SC | 15.0 | 47.79 | 33.89 | 9.82 | UFT | RUF | Y | Y |  | 196-9 |
| 823 | 45-CA-SC | 25.3 | 57.86 | 27.01 | 18.02 |  |  |  | Y |  | 36-21 |
| 824 | 45-CA-SC | 16.8 | 50.17 | 29.09 | 14.29 |  |  |  | Y |  | 36-20 |
| 825 | 45-CA-SC | 2.7 | 29.60 | 19.13 | 3.04 |  |  |  | N |  | 36-16 |
| 826 | 45-CA-SC | 2.2 | 25.88 | 16.85 | 6.43 |  |  |  | N |  | 36-12 |
| 827 | 45-CA-SC | 1.6 | 28.50 | 16.91 | 3.22 |  |  |  | Y |  | 36-9 |
| 828 | 45-CA-SC | 2.2 | 25.25 | 18.25 | 6.47 |  |  |  | N |  | 38-14 |
| 829 | 45-CA-SC | 0.3 | 15.55 | 10.29 | 2.58 |  |  |  | Y |  | 38-4 |
| 830 | 45-CA-SC | 0.2 | 15.67 | 9.16 | 1.67 |  |  |  | N |  | 38-15 |
| 831 | 45-CA-SC | 0.2 | 12.65 | 10.39 | 2.70 |  |  |  | N |  | 204-9 |
| 832 | 45-CA-SC | 1.0 | 19.44 | 14.62 | 4.07 |  |  |  | N |  | 204-5 |
| 833 | 45-CA-SC | 2.6 | 34.71 | 19.04 | 4.63 |  |  |  | N |  | 204-16 |
| 834 | 45-CA-SC | 1.9 | 22.75 | 20.14 | 6.51 |  |  |  | N |  | 204-11 |
| 835 | 45-CA-SC | 5.2 | 39.61 | 31.22 | 5.66 |  |  |  | N |  | 204-21 |
| 836 | 45-CA-SC | 7.2 | 40.56 | 26.94 | 7.54 |  |  |  | Y |  | 206-16 |
| 837 | 45-CA-SC | 0.6 | 16.60 | 12.85 | 3.27 |  |  |  | Y |  | 206-9 |
| 838 | 45-CA-SC | 0.1 | 12.98 | 8.87 | 1.42 |  |  |  | N |  | 206-1 |
| 839 | 45-CA-SC | 5.8 | 38.56 | 20.02 | 7.23 |  |  |  | N |  | 208-4 |
| 840 | 45-CA-SC | 2.1 | 19.50 | 15.89 | 6.49 |  |  |  | N |  | 208-3 |
| 841 | 45-CA-SC | 0.7 | 22.58 | 9.63 | 3.01 |  |  |  | N |  | 208-2 |
| 842 | 45-CA-SC | 0.1 | 9.93 | 7.25 | 1.22 |  |  |  | N |  | 210-8 |
| 843 | 45-CA-SC | 1.2 | 16.01 | 12.00 | 8.56 |  |  |  | N |  | 44-1 |
| 844 | 45-CA-SC | 12.5 | 42.06 | 26.98 | 12.96 |  |  |  | Y |  | 44-17 |
| 845 | 45-CA-SC | 2.2 | 26.79 | 20.24 | 6.64 |  |  |  | Y |  | 44-4 |
| 846 | 45-CA-SC | 3.3 | 36.26 | 20.55 | 6.09 |  |  |  | N |  | 44-9 |
| 847 | 45-CA-SC | 0.3 | 19.98 | 9.95 | 1.94 |  |  |  | N |  | 46-11 |
| 848 | 45-CA-SC | 0.4 | 14.49 | 12.73 | 2.88 |  |  |  | N |  | 46-9 |
| 849 | 45-CA-SC | 0.5 | 23.63 | 11.21 | 1.83 |  |  |  | N |  | 48-7 |
| 850 | 45-CA-SC | 2.2 | 25.22 | 20.33 | 4.87 |  |  |  | N |  | 48-5 |
| 851 | 45-CA-SC | 0.9 | 19.79 | 15.28 | 3.43 |  |  |  | N |  | 48-4 |
| 852 | 45-CA-SC | 0.7 | 16.11 | 15.38 | 4.55 |  |  |  | Y | Watts Point | 222-3 |


| 853 | 45-CA-SC | 11.9 | 40.07 | 29.69 | 11.59 |  |  |  | Y | Watts <br> Point | 222 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 854 | 45-CA-SC | 1.8 | 27.17 | 20.52 | 3.80 |  |  |  | Y |  | 146-8 |
| 855 | 45-CA-SC | 8.4 | 40.38 | 19.49 | 15.52 |  |  |  | Y |  | 182-2 |
| 856 | 45-CA-SC | 16.0 | 41.83 | 28.49 | 12.82 |  |  |  | Y |  | 152-1 |
| 857 | 45-CA-SC | 1.9 | 25.46 | 22.58 | 5.01 |  |  |  | N |  | 152-5 |
| 858 | 45-CA-SC | 15.0 | 48.08 | 19.88 | 12.91 |  |  |  | Y |  | 152-4 |
| 859 | 45-CA-SC | 0.8 | 18.57 | 12.95 | 4.80 |  |  |  | N |  | 154-3 |
| 860 | 45-CA-SC | 0.4 | 11.51 | 9.56 | 2.84 |  |  |  | N |  | 154-2 |
| 861 | 45-CA-SC | 0.6 | 19.98 | 13.95 | 2.58 |  |  |  | N |  | 160-5 |
| 862 | 45-CA-SC | 4.9 | 35.38 | 22.56 | 5.59 |  |  |  | Y |  | 160.9 |
| 863 | 45-CA-SC | 5.3 | 31.24 | 28.13 | 5.85 |  |  |  | N |  | 170-13 |
| 864 | 45-CA-SC | 1.1 | 14.63 | 10.04 | 7.87 |  |  |  | Y |  | 170-3 |
| 865 | 45-CA-SC | 1.5 | 24.83 | 9.89 | 4.37 |  |  |  | N |  | 170-14 |
| 866 | 45-CA-SC | 2.5 | 24.71 | 18.71 | 6.01 |  |  |  | Y |  | 170-16 |
| 867 | 45-CA-SC | 68.9 | 48.72 | 38.57 | 36.08 | CCT | MDC |  | Y |  | 160-12 |
| 868 | 45-CA-SC | 18.1 | 39.79 | 32.06 | 12.00 |  |  |  | Y |  | 162-10 |
| 869 | 45-CA-SC | 15.4 | 36.11 | 31.88 | 12.57 |  |  |  | N |  | 226-18 |
| 870 | 45-CA-SC | 20.86 | 65.12 | 31.41 | 15.23 | CCT | MDC |  | Y |  | 242-8 |
| 871 | 45-CA-SC | 6.5 | 31.47 | 23.00 | 11.05 |  |  |  | Y |  | 170-12 |
| 872 | 45-CA-SC | 4.2 | 32.95 | 31.98 | 4.84 |  |  |  | N |  | 292-55 |
| 873 | 45-CA-SC | 0.6 | 16.98 | 12.06 | 3.78 |  |  |  | Y |  | 210-2 |
| 874 | 45-CA-SC | 1.7 | 24.47 | 10.08 | 6.44 |  |  |  | Y |  | 39 |
| 875 | 45-CA-SC | 0.1 | 7.25 | 5.58 | 1.40 |  |  |  | N |  | 28 |
| 876 | 45-CA-SC | 36.4 | 47.61 | 28.23 | 22.19 | CCT | MDC |  | Y |  | 174-1 |
| 877 | 45-CA-SC | 0.4 | 10.31 | 9.80 | 3.56 |  |  |  | N |  | 172-3 |
| 878 | 45-CA-SC | 0.2 | 10.64 | 7.89 | 2.01 |  |  |  | N |  | 172-2 |
| 879 | 45-CA-SC | 27.2 | 51.62 | 38.88 | 14.00 |  |  |  | Y |  | 216-8 |
| 880 | 45-CA-SC | 0.4 | 16.35 | 9.96 | 3.02 |  |  |  | N |  | 214-2 |
| 881 | 45-CA-SC | 18.8 | 47.20 | 33.06 | 12.06 | BFT | BFF | N | Y | Watts Point | 218-1 |
| 882 | 45-CA-SC | 0.5 | 13.01 | 10.29 | 3.24 | BFT | LSB | Y | N |  | 224-2 |
| 883 | 45-CA-SC | 4.3 | 35.17 | 21.12 | 6.00 |  |  |  | Y |  | 260-18 |
| 884 | 45-CA-SC | 9.1 | 38.51 | 32.57 | 9.45 |  |  |  | Y |  | 260-27 |
| 885 | 45-CA-SC | 3.8 | 26.74 | 22.49 | 9.94 |  |  |  | N |  | 228-5 |
| 886 | 45-CA-SC | 0.1 | 13.41 | 5.12 | 2.39 |  |  |  | N |  | 228-2 |
| 887 | 45-CA-SC | 0.6 | 19.60 | 11.87 | 2.50 |  |  |  | Y |  | 235-4 |
| 888 | 45-CA-SC | 30.2 | 44.23 | 28.36 | 21.92 | CCT | MDC |  | Y |  | 240-1, 240-2 Core was refit to be one artifact |
| 889 | 45-CA-SC | 4.0 | 26.14 | 14.41 | 12.19 |  |  |  | Y |  | 240-11 |
| 890 | 45-CA-SC | 4.4 | 37.95 | 14.39 | 11.36 |  |  |  | Y |  | 240-3 |


| 891 | 45-CA-SC | 2.3 | 26.17 | 21.53 | 3.25 |  |  |  | N |  | 240-5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 892 | 45-CA-SC | 2.5 | 26.02 | 15.15 | 5.24 |  |  |  | Y |  | 240-6 |
| 893 | 45-CA-SC | 1.0 | 20.28 | 17.14 | 3.47 |  |  |  | N |  | 240-24 |
| 894 | 45-CA-SC | 0.6 | 18.48 | 15.58 | 2.79 |  |  |  | N |  | 240-26 |
| 895 | 45-CA-SC | 7.4 | 33.86 | 20.39 | 11.23 |  |  |  | Y |  | 256-6 |
| 896 | 45-CA-SC | 0.9 | 26.01 | 12.27 | 3.84 |  |  |  | N |  | 244-4 |
| 897 | 45-CA-SC | 0.3 | 15.22 | 10.27 | 2.55 |  |  |  | Y |  | 244-3 |
| 898 | 45-CA-SC | 2.9 | 26.02 | 18.06 | 9.89 |  |  |  | Y | Watts Point | 98-2 |
| 899 | 45-CA-SC | 2.2 | 24.62 | 17.96 | 6.38 |  |  |  | Y |  | 260-16 |
| 900 | 45-CA-SC | 1.3 | 21.58 | 17.44 | 4.44 |  |  |  | Y |  | 260-12 |
| 901 | 45-CA-SC | 0.8 | 22.32 | 16.02 | 2.37 |  |  |  | N |  | 260-17 |
| 902 | 45-CA-SC | 0.6 | 20.65 | 12.68 | 2.90 |  |  |  | N |  | 260-5 |
| 903 | 45-CA-SC | 1.1 | 21.02 | 13.06 | 5.40 |  |  |  | N |  | 262-7 |
| 904 | 45-CA-SC | 1.8 | 19.97 | 11.56 | 7.51 | UFT | UTF | N | N |  | 262-6 |
| 905 | 45-CA-SC | 0.1 | 9.18 | 8.22 | 1.21 |  |  |  | N |  | 264-3 |
| 906 | 45-CA-SC | 0.1 | 8.76 | 7.33 | 1.55 |  |  |  | Y |  | 266-2 |
| 907 | 45-CA-SC | 0.5 | 19.63 | 8.65 | 3.20 |  |  |  | N |  | 266-6 |
| 908 | 45-CA-SC | 1.1 | 16.82 | 15.54 | 5.65 |  |  |  | N |  | 266-7 |
| 909 | 45-CA-SC | 3.8 | 39.44 | 17.03 | 7.03 |  |  |  | Y |  | 266-17 |
| 910 | 45-CA-SC | 1.1 | 22.23 | 15.47 | 3.58 |  |  |  | N |  | 266-13 |
| 911 | 45-CA-SC | 3.7 | 35.22 | 15.66 | 5.89 |  |  |  | Y |  | 266-12 |
| 912 | 45-CA-SC | 7.9 | 35.38 | 26.39 | 10.31 |  |  |  | Y |  | 266-19 |
| 913 | 45-CA-SC | 2.8 | 29.56 | 16.53 | 6.40 |  |  |  | Y |  | 268-18 |
| 914 | 45-CA-SC | 1.1 | 18.43 | 12.85 | 4.19 |  |  |  | Y |  | 268-15 |
| 915 | 45-CA-SC | 0.9 | 20.11 | 15.07 | 3.57 |  |  |  | N |  | 268-11 |
| 916 | 45-CA-SC | 0.1 | 10.55 | 9.61 | 1.44 |  |  |  | N |  | 268-3 |
| 917 | 45-CA-SC | 0.1 | 11.58 | 7.13 | 1.40 |  |  |  | N |  | 268-6 |
| 918 | 45-CA-487 | 0.4 | 12.65 | 10.79 | 1.63 |  |  |  | N |  |  |
| 919 | 45-CA-487 | 10.7 | 36.14 | 19.04 | 12.39 | CCT | MDC |  | N |  |  |
| 920 | 45-CA-487 | 1.1 | 20.82 | 18.27 | 3.36 |  |  |  | N |  |  |
| 921 | 45-CA-487 | 1.0 | 21.95 | 11.39 | 4.99 |  |  |  | N |  |  |
| 922 | 45-CA-487 | 0.4 | 12.75 | 11.81 | 2.55 |  |  |  | Y |  |  |
| 923 | 45-CA-487 | 0.5 | 16.24 | 10.96 | 3.56 |  |  |  | N |  |  |
| 924 | 45-CA-487 | 1.3 | 26.27 | 15.31 | 4.24 |  |  |  | N |  |  |
| 925 | 45-CA-487 | 0.6 | 21.19 | 11.14 | 2.65 |  |  |  | Y |  |  |
| 926 | 45-CA-487 | 0.6 | 18.07 | 10.94 | 2.24 |  |  |  | N |  |  |
| 927 | 45-CA-487 | 0.1 | 11.04 | 7.51 | 2.13 |  |  |  | N |  |  |
| 928 | 45-CA-487 | 0.6 | 18.65 | 10.64 | 3.42 |  |  |  | Y |  |  |
| 929 | 45-CA-487 | 0.2 | 11.84 | 10.48 | 2.33 |  |  |  | N |  |  |


| 930 | 45-CA-487 | 0.3 | 14.16 | 10.89 | 2.39 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 931 | 45-CA-487 | 1.2 | 18.95 | 15.28 | 6.88 |  |  |  | Y |  |  |
| 932 | 45-CA-487 | 0.3 | 16.30 | 8.58 | 2.32 |  |  |  | Y |  |  |
| 933 | 45-CA-487 | 1.0 | 20.69 | 16.08 | 3.26 |  |  |  | Y |  |  |
| 934 | 45-CA-487 | 0.8 | 12.71 | 12.10 | 5.66 |  |  |  | N |  |  |
| 935 | 45-CA-487 | 1.6 | 16.40 | 9.81 | 6.83 |  |  |  | Y |  |  |
| 936 | 45-CA-487 | 5.1 | 42.62 | 15.41 | 7.30 |  |  |  | Y |  |  |
| 937 | 45-CA-487 | 6.9 | 35.28 | 23.64 | 8.12 |  |  |  | Y |  |  |
| 938 | 45-CA-487 | 3.7 | 28.38 | 22.00 | 8.05 | UFT | RUF | Y | Y |  |  |
| 939 | 45-CA-487 | 0.5 | 18.03 | 10.65 | 1.81 |  |  |  | N |  |  |
| 940 | 45-CA-487 | 0.8 | 8.27 | 13.20 | 4.59 |  |  |  | N |  |  |
| 941 | 45-CA-487 | 0.3 | 15.33 | 8.83 | 3.85 |  |  |  | N |  |  |
| 942 | 45-CA-487 | 10.4 | 42.41 | 30.03 | 7.59 | UFT | UTF | N | Y |  |  |
| 943 | 45-CA-487 | 1.0 | 19.63 | 15.71 | 4.17 |  |  |  | Y |  |  |
| 944 | 45-CA-487 | 1.9 | 23.03 | 16.75 | 5.57 |  |  |  | Y |  |  |
| 945 | 45-CA-487 | 1.7 | 31.30 | 14.71 | 3.46 |  |  |  | Y |  |  |
| 946 | 45-CA-487 | 0.8 | 19.59 | 13.41 | 3.97 |  |  |  | N |  |  |
| 947 | 45-CA-487 | 0.1 | 11.28 | 9.26 | 1.88 |  |  |  | N |  |  |
| 948 | 45-CA-487 | 0.7 | 20.88 | 14.06 | 2.81 |  |  |  | Y |  |  |
| 949 | 45-CA-487 | 3.3 | 32.51 | 25.52 | 4.39 |  |  |  | N |  |  |
| 950 | 45-CA-487 | 0.7 | 16.68 | 10.42 | 3.00 |  |  |  | N |  |  |
| 951 | 45-CA-487 | 0.8 | 23.50 | 15.62 | 2.99 |  |  |  | N |  |  |
| 952 | 45-CA-487 | 0.3 | 14.10 | 9.32 | 2.40 |  |  |  | N |  |  |
| 953 | 45-CA-487 | 0.4 | 15.85 | 7.39 | 6.76 |  |  |  | N |  |  |
| 954 | 45-CA-487 | 0.4 | 14.41 | 11.40 | 2.78 |  |  |  | N |  |  |
| 955 | 45-CA-487 | 0.6 | 21.06 | 11.66 | 3.48 |  |  |  | Y | Watts Point |  |
| 956 | 45-CA-487 | 7.2 | 41.65 | 31.50 | 6.47 |  |  |  | N |  |  |
| 957 | 45-CA-487 | 4.1 | 29.13 | 22.98 | 10.85 |  |  |  | Y |  |  |
| 958 | 45-CA-487 | 1.1 | 20.97 | 17.46 | 3.25 |  |  |  | N |  |  |
| 959 | 45-CA-487 | 1.5 | 24.81 | 12.84 | 8.45 |  |  |  | N |  |  |
| 960 | 45-CA-487 | 0.1 | 10.82 | 7.50 | 2.43 |  |  |  | N |  |  |
| 961 | 45-CA-487 | 2.3 | 28.48 | 13.32 | 5.24 | UFT | UTF | N | Y |  |  |
| 962 | 45-CA-487 | 2.7 | 25.17 | 21.56 | 4.81 | UFT | UTF | N | N |  |  |
| 963 | 45-CA-487 | 3.9 | 28.76 | 22.12 | 9.05 | UFT | UTF | N | N | Watts Point |  |
| 964 | 45-CA-487 | 1.7 | 24.50 | 18.35 | 5.29 |  |  |  | N |  |  |
| 965 | 45-CA-487 | 2.2 | 23.92 | 18.61 | 7.45 |  |  |  | Y |  |  |
| 966 | 45-CA-487 | 4.5 | 31.70 | 20.49 | 7.53 |  |  |  | Y |  |  |
| 967 | 45-CA-487 | 1.9 | 26.58 | 22.71 | 2.60 |  |  |  | N | Watts Point |  |


| 968 | 45-CA-487 | 2.2 | 24.00 | 17.86 | 4.35 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 969 | 45-CA-487 | 0.2 | 13.84 | 8.20 | 2.75 |  |  |  | Y |  |  |
| 970 | 45-CA-487 | 2.1 | 26.00 | 20.96 | 4.10 |  |  |  | N |  |  |
| 971 | 45-CA-487 | 2.5 | 25.89 | 21.27 | 4.60 |  |  |  | Y |  |  |
| 972 | 45-CA-487 | 1.9 | 25.68 | 18.05 | 3.33 |  |  |  | N |  |  |
| 973 | 45-CA-487 | 0.1 | 13.28 | 10.18 | 1.74 |  |  |  | N |  |  |
| 974 | 45-CA-487 | 2.6 | 27.73 | 15.43 | 4.75 |  |  |  | Y |  |  |
| 975 | 45-CA-487 | 1.1 | 26.61 | 13.33 | 3.48 |  |  |  | N |  |  |
| 976 | 45-CA-487 | 2.4 | 21.08 | 14.17 | 4.66 |  |  |  | Y |  |  |
| 977 | 45-CA-487 | 0.6 | 15.63 | 10.88 | 3.47 |  |  |  | N |  |  |
| 978 | 45-CA-487 | 1.7 | 23.73 | 19.09 | 4.30 |  |  |  | N |  |  |
| 979 | 45-CA-487 | 2.4 | 26.52 | 17.71 | 2.86 |  |  |  | Y |  |  |
| 980 | 45-CA-487 | 1.1 | 22.20 | 11.84 | 3.66 |  |  |  | Y |  |  |
| 981 | 45-CA-487 | 1.9 | 25.32 | 14.75 | 4.42 |  |  |  | Y | Watts <br> Point |  |
| 982 | 45-CA-487 | 1.2 | 23.02 | 16.61 | 3.81 |  |  |  | Y |  |  |
| 983 | 45-CA-487 | 0.4 | 18.23 | 12.92 | 3.01 |  |  |  | N |  |  |
| 984 | 45-CA-487 | 1.3 | 27.60 | 11.69 | 4.28 |  |  |  | N |  |  |
| 985 | 45-CA-487 | 2.4 | 25.44 | 14.88 | 7.30 |  |  |  | Y |  |  |
| 986 | 45-CA-487 | 1.1 | 20.99 | 13.32 | 3.40 |  |  |  | Y |  |  |
| 987 | 45-CA-487 | 1.4 | 29.00 | 16.86 | 3.98 |  |  |  | N |  |  |
| 988 | 45-CA-487 | 0.4 | 11.65 | 6.69 | 5.49 |  |  |  | Y |  |  |
| 989 | 45-CA-487 | 0.9 | 18.19 | 16.01 | 4.32 | UFT | RUF | Y | N |  |  |
| 990 | 45-CA-487 | 0.3 | 14.69 | 10.58 | 2.43 |  |  |  | N |  |  |
| 991 | 45-CA-487 | 0.7 | 14.31 | 12.30 | 3.47 |  |  |  | Y |  |  |
| 992 | 45-CA-487 | 0.4 | 15.34 | 8.96 | 2.42 |  |  |  | N |  |  |
| 993 | 45-CA-487 | 0.8 | 17.60 | 12.88 | 3.64 |  |  |  | Y |  |  |
| 994 | 45-CA-487 | 1.0 | 23.18 | 11.36 | 4.09 |  |  |  | Y |  |  |
| 995 | 45-CA-487 | 1.0 | 21.12 | 14.65 | 3.90 |  |  |  | N |  |  |
| 996 | 45-CA-487 | 0.7 | 18.15 | 8.88 | 4.31 |  |  |  | Y |  |  |
| 997 | 45-CA-487 | 0.3 | 11.70 | 9.19 | 2.43 |  |  |  | N |  |  |
| 998 | 45-CA-487 | 0.6 | 19.37 | 9.10 | 2.33 |  |  |  | N |  |  |
| 999 | 45-CA-487 | 0.4 | 14.92 | 10.35 | 1.52 |  |  |  | N |  |  |
| 1000 | 45-CA-487 | 0.5 | 14.04 | 11.79 | 2.01 |  |  |  | N |  |  |
| 1001 | 45-CA-487 | 0.2 | 13.15 | 11.14 | 2.01 |  |  |  | N |  |  |
| 1002 | 45-CA-487 | 0.3 | 13.05 | 9.24 | 3.15 |  |  |  | Y |  |  |
| 1003 | 45-CA-487 | 1.0 | 18.09 | 14.14 | 2.60 |  |  |  | Y |  |  |
| 1004 | 45-CA-487 | 0.4 | 13.31 | 11.96 | 1.24 |  |  |  | N |  |  |
| 1005 | 45-CA-487 | 0.6 | 18.56 | 10.56 | 3.23 |  |  |  | N |  |  |
| 1006 | 45-CA-487 | 0.6 | 17.54 | 7.18 | 6.22 |  |  |  | N |  |  |





| 1124 | 45-CA-487 | 4.6 | 29.38 | 23.70 | 8.30 |  |  |  | Y |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1125 | 45-CA-487 | 2.3 | 28.06 | 15.44 | 4.42 |  |  |  | N |  |  |
| 1126 | 45-CA-487 | 2.2 | 25.91 | 22.75 | 2.53 |  |  |  | N |  |  |
| 1127 | 45-CA-487 | 4.2 | 31.74 | 12.89 | 10.79 |  |  |  | N |  |  |
| 1128 | 45-CA-487 | 0.9 | 24.85 | 10.23 | 4.80 |  |  |  | N |  |  |
| 1129 | 45-CA-487 | 0.1 | 10.99 | 9.54 | 1.59 |  |  |  | N |  |  |
| 1130 | 45-CA-487 | 1.0 | 22.30 | 10.73 | 4.48 |  |  |  | Y |  |  |
| 1131 | 45-CA-487 | 13.5 | 46.08 | 26.23 | 10.70 | UFT | RUF | Y | Y |  |  |
| 1132 | 45-CA-487 | 6.6 | 36.63 | 23.76 | 9.38 | UFT | UTF | N | Y |  |  |
| 1133 | 45-CA-487 | 0.9 | 23.15 | 10.64 | 4.24 |  |  |  | N |  |  |
| 1134 | 45-CA-487 | 0.3 | 12.41 | 12.96 | 2.18 |  |  |  | N |  |  |
| 1135 | 45-CA-487 | 3.0 | 28.98 | 22.76 | 6.28 |  |  |  | N |  |  |
| 1136 | 45-CA-487 | 19.6 | 47.14 | 33.08 | 15.33 |  |  |  | Y |  |  |
| 1137 | 45-CA-487 | 1.3 | 24.07 | 18.03 | 3.29 |  |  |  | N | Watts Point |  |
| 1138 | 45-CA-487 | 20.4 | 42.59 | 31.96 | 19.26 | CCT | MDC |  | N |  |  |
| 1139 | 45-CA-487 | 5.1 | 40.00 | 18.47 | 8.82 |  |  |  | N |  |  |
| 1140 | 45-CA-487 | 0.1 | 10.79 | 8.13 | 1.36 |  |  |  | N |  |  |
| 1141 | 45-CA-487 | 2.1 | 24.31 | 20.73 | 5.34 |  |  |  | N |  |  |
| 1142 | 45-CA-487 | 1.8 | 18.76 | 12.44 | 7.25 |  |  |  | Y |  |  |
| 1143 | 45-CA-487 | 0.1 | 9.02 | 7.14 | 0.94 |  |  |  | Y |  |  |
| 1144 | 45-CA-487 | 0.6 | 22.4 | 14.51 | 2.09 |  |  |  | Y |  |  |
| 1145 | 45-CA-487 | 2.7 | 28.28 | 24.52 | 4.26 |  |  |  | N | Watts Point |  |
| 1146 | 45-CA-487 | 0.5 | 14.04 | 8.31 | 5.11 |  |  |  | N |  |  |
| 1147 | 45-CA-487 | 0.4 | 17.39 | 11.67 | 2.84 |  |  |  | N |  |  |
| 1148 | 45-CA-487 | 0.9 | 16.05 | 12.23 | 6.41 |  |  |  | N |  |  |
| 1149 | 45-CA-487 | 0.3 | 12.83 | 9.75 | 4.49 |  |  |  | Y |  |  |
| 1150 | 45-CA-487 | 1.2 | 18.80 | 15.85 | 5.22 |  |  |  | Y |  |  |
| 1151 | 45-CA-487 | 0.6 | 10.61 | 13.89 | 2.62 |  |  |  | N |  |  |
| 1152 | 45-CA-487 | 0.5 | 21.90 | 9.90 | 3.05 |  |  |  | N |  |  |
| 1153 | 45-CA-487 | 4.4 | 32.09 | 18.97 | 8.74 |  |  |  | Y |  |  |
| 1154 | 45-CA-487 | 0.2 | 12.98 | 10.01 | 2.10 |  |  |  | N |  |  |
| 1155 | 45-CA-487 | 2.2 | 24.64 | 16.76 | 8.63 |  |  |  | Y |  |  |
| 1156 | 45-CA-487 | 0.3 | 13.07 | 11.90 | 3.23 |  |  |  | N |  |  |
| 1157 | 45-CA-487 | 0.4 | 14.53 | 9.86 | 2.03 |  |  |  | N |  |  |
| 1158 | 45-CA-487 | 0.8 | 19.63 | 10.67 | 4.20 |  |  |  | Y |  |  |
| 1159 | 45-CA-487 | 0.1 | 11.35 | 8.68 | 1.38 |  |  |  | N |  |  |
| 1160 | 45-CA-487 | 0.5 | 17.09 | 9.84 | 4.04 |  |  |  | Y |  |  |
| 1161 | 45-CA-487 | 11.9 | 28.84 | 24.00 | 16.96 | CCT | MDC |  | Y |  |  |
| 1162 | 45-CA-487 | 0.8 | 24.02 | 14.75 | 1.63 |  |  |  | N |  |  |




| 1241 | 45-CA-487 | 9.7 | 36.39 | 21.15 | 15.27 |  |  |  | Y |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1242 | 45-CA-487 | 2.8 | 26.29 | 17.37 | 5.16 |  |  |  | Y |  |  |  |
| 1243 | 45-CA-487 | 16.8 | 41.18 | 31.32 | 13.09 | UFT | RUF | Y | Y |  |  |  |
| 1244 | 45-CA-487 | 1.0 | 19.78 | 15.66 | 3.90 |  |  |  | N |  |  |  |
| 1245 | 45-CA-487 | 2.9 | 25.49 | 19.55 | 3.48 |  |  |  | N |  |  |  |
| 1246 | 45-CA-487 | 0.1 | 8.99 | 6.34 | 1.33 |  |  |  | Y |  |  |  |
| 1247 | 45-CA-487 | 37.2 | 41.42 | 32.93 | 26.17 | CCT | MDC |  | Y |  | Watts Point |  |
| 1248 | 45-CA-487 | 9.7 | 40.67 | 22.08 | 11.95 |  |  |  | N |  |  |  |
| 1249 | 45-CA-487 | 0.9 | 23.05 | 17.01 | 3.06 |  |  |  | Y |  |  |  |
| 1250 | 45-CA-487 | 2.3 | 25.57 | 18.07 | 3.27 |  |  |  | N |  |  |  |
| 1251 | 45-CA-487 | 1.5 | 23.37 | 16.83 | 4.60 |  |  |  | Y |  |  |  |
| 1252 | 45-CA-487 | 0.5 | 20.28 | 10.71 | 3.62 |  |  |  | N |  |  |  |
| 1253 | 45-CA-487 | 3.5 | 30.16 | 19.12 | 3.93 |  |  |  | N |  |  |  |
| 1254 | 45-CA-487 | 5.4 | 33.20 | 23.07 | 6.09 |  |  |  | Y |  |  |  |
| 1255 | 45-CA-487 | 4.2 | 30.31 | 22.53 | 6.41 | UFT | RUF | Y | Y |  |  | scraper |
| 1256 | 45-CA-487 | 6.0 | 35.05 | 25.40 | 8.65 |  |  |  | Y |  |  |  |
| 1257 | 45-CA-487 | 1.2 | 20.00 | 14.61 | 5.59 | BFT | LSB | N | N | B |  |  |
| 1258 | 45-CA-487 | 1.2 | 16.82 | 11.00 | 7.41 |  |  |  | N |  |  |  |
| 1259 | 45-CA-487 | 1.4 | 25.56 | 15.46 | 3.98 |  |  |  | Y |  |  |  |
| 1260 | 45-CA-487 | 12.0 | 22.30 | 9.6 | 12.91 |  |  |  | Y |  |  |  |
| 1261 | 45-CA-487 | 14.3 | 39.65 | 33.26 | 15.15 |  |  |  | Y |  |  |  |
| 1262 | 45-CA-487 | 24.1 | 44.40 | 35.94 | 17.07 | CCT | MDC |  | Y |  |  |  |
| 1263 | 45-CA-487 | 3.9 | 39.86 | 18.59 | 5.89 |  |  |  | N |  |  |  |
| 1264 | 45-CA-302 | 4.7 | 31.52 | 20.59 | 7.50 |  |  |  | Y |  |  |  |
| 1265 | 45-CA-302 | 1.0 | 21.06 | 11.18 | 4.05 |  |  |  | N |  |  |  |
| 1266 | 45-CA-302 | 2.2 | 26.31 | 7.79 | 6.37 | CCT | UDC |  | Y |  |  |  |
| 1267 | 45-CA-302 | 7.6 | 41.81 | 26.15 | 8.18 |  |  |  | Y |  |  |  |
| 1268 | 45-CA-302 | 19.7 | 47.06 | 26.58 | 15.19 | CCT | MDC |  | Y |  |  | one flake scar |
| 1269 | 45-CA-302 | 2.2 | 31.43 | 15.14 | 5.72 |  |  |  | N |  |  |  |
| 1270 | 45-CA-302 | 0.9 | 15.08 | 12.46 | 5.83 |  |  |  | N |  |  |  |
| 1271 | 45-CA-302 | 3.9 | 22.21 | 16.57 | 11.20 | CCT | UDC |  | Y |  |  | One flake scar |
| 1272 | 45-CA-302 | 1.7 | 21.27 | 13.02 | 6.23 |  |  |  | Y |  |  |  |
| 1273 | 45-CA-302 | 0.1 | 11.10 | 8.81 | 1.27 |  |  |  | N |  |  |  |
| 1274 | 45-CA-302 | 0.4 | 10.95 | 8.16 | 2.71 |  |  |  | N |  |  |  |
| 1275 | 45-CA-302 | 0.5 | 9.03 | 7.69 | 6.14 | CCT | UDC |  | Y |  |  |  |
| 1276 | 45-CA-302 | 7.9 | 41.36 | 22.47 | 6.83 |  |  |  | N |  |  |  |
| 1277 | 45-CA-302 | 0.4 | 16.27 | 9.99 | 3.25 |  |  |  | Y |  |  |  |
| 1278 | 45-CA-302 | 1.2 | 20.00 | 13.93 | 3.70 |  |  |  | N |  |  |  |
| 1279 | 45-CA-302 | 2.2 | 23.14 | 22.85 | 5.46 |  |  |  | Y |  |  |  |



| 1319 | 45-CA-302 | 0.2 | 10.42 | 9.85 | 2.49 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1320 | 45-CA-302 | 1.4 | 21.38 | 18.65 | 4.67 |  |  |  | N |  |  |
| 1321 | 45-CA-302 | 0.4 | 17.62 | 12.99 | 2.21 |  |  |  | N |  |  |
| 1322 | 45-CA-302 | 1.0 | 21.57 | 19.87 | 2.21 |  |  |  | N |  |  |
| 1323 | 45-CA-302 | 0.5 | 19.50 | 8.37 | 2.94 |  |  |  | N |  |  |
| 1324 | 45-CA-302 | 0.6 | 19.38 | 14.35 | 2.84 |  |  |  | N |  |  |
| 1325 | 45-CA-302 | 1.2 | 16.06 | 15.24 | 6.98 |  |  |  | N |  |  |
| 1326 | 45-CA-SC | 2.9 | 24.92 | 21.56 | 7.96 |  |  |  | N |  | 12-1 |
| 1327 | 45-CA-SC | 3.4 | 32.12 | 20.76 | 6.35 |  |  |  | Y |  | 328-3 |
| 1328 | 45-CA-SC | 0.2 | 8.83 | 7.38 | 2.42 |  |  |  | N |  | 2 |
| 1329 | 45-CA-SC | 35.4 | 55.54 | 34.21 | 18.78 |  |  |  | Y |  | 276-7 |
| 1330 | 45-CA-SC | 3.5 | 31.42 | 26.43 | 4.60 |  |  |  | N |  | 292-53 |
| 1331 | 45-CA-SC | 0.3 | 18.48 | 7.93 | 2.92 |  |  |  | N |  | 292-41 |
| 1332 | 45-CA-SC | 3.2 | 30.59 | 17.16 | 6.85 |  |  |  | Y |  | 292-43 |
| 1333 | 45-CA-SC | 0.3 | 14.16 | 8.33 | 3.71 |  |  |  | Y |  | 294-1 |
| 1334 | 45-CA-SC | 0.1 | 14.38 | 10.85 | 1.63 |  |  |  | N |  | 294-4 |
| 1335 | 45-CA-SC | 0.3 | 16.43 | 11.25 | 2.79 |  |  |  | Y |  | 294-7 |
| 1336 | 45-CA-SC | 0.3 | 12.56 | 9.53 | 2.31 |  |  |  | N |  | 297-8 |
| 1337 | 45-CA-SC | 0.2 | 12.50 | 9.90 | 2.42 |  |  |  | N | Watts Point | 297-16 |
| 1338 | 45-CA-SC | 2.9 | 24.18 | 18.15 | 6.21 |  |  |  | N |  | 297-13 |
| 1339 | 45-CA-SC | 2.8 | 29.70 | 20.00 | 4.92 |  |  |  | N |  | 305-7 |
| 1340 | 45-CA-SC | 2.3 | 28.45 | 17.29 | 6.50 |  |  |  | N |  | 300-21 |
| 1341 | 45-CA-SC | 0.1 | 8.93 | 8.13 | 1.89 |  |  |  | Y |  | 298-1 |
| 1342 | 45-CA-SC | 17.5 | 51.19 | 34.59 | 12.43 |  |  |  | Y |  | 309-2 |
| 1343 | 45-CA-SC | 203.7 | 91.36 | 69.10 | 34.01 |  |  |  | Y |  | 309-3 |
| 1344 | 45-CA-SC | 650 | $\begin{aligned} & 122.1 \\ & 2 \\ & \hline \end{aligned}$ | 78.33 | 67.92 | CCT | MDC |  | Y |  | 309-4 |
| 1345 | 45-CA-SC | 130.4 | 64.0 | 50.25 | 38.68 | CCT | FLC |  | Y |  | only one flake scar = unidirectional |
| 1346 | 45-CA-SC | 28.8 | 60.33 | 40.96 | 14.80 | UFT | UTF | N | Y |  | SF AV (roman numeral 5) |
| 1347 | 45-CA-SC | 46.3 | 67.98 | 45.17 | 12.99 | UFT | RUF | Y | Y |  | SF AIII retouched tool on primary flake |
| 1348 | 45-CA-SC | 5.6 | 35.45 | 26.37 | 6.10 |  |  |  | N |  | TP 7 |
| 1349 | 45-CA-SC | 0.1 | 9.91 | 7.15 | 1.78 |  |  |  | N |  |  |
| 1350 | 45-CA-SC | 2.1 | 24.36 | 15.95 | 8.03 |  |  |  | Y |  |  |
| 1351 | 45-CA-SC | 1.9 | 29.46 | 15.36 | 4.96 |  |  |  | Y |  |  |
| 1352 | 45-CA-SC | 2.6 | 26.94 | 23.70 | 5.19 |  |  |  | N |  |  |
| 1353 | 45-CA-SC | 6.6 | 31.40 | 25.45 | 8.85 |  |  |  | Y |  |  |
| 1354 | 45-CA-SC | 9.6 | 42.77 | 29.12 | 10.71 |  |  |  | Y |  |  |
| 1355 | 45-CA-SC | 21.1 | 48.77 | 35.59 | 12.99 |  |  |  | N |  |  |
| 1356 | 45-CA-SC | 0.7 | 18.64 | 16.26 | 1.99 |  |  |  | Y | Watts Point |  |


| 1357 | 45-CA-SC | 31.8 | 52.72 | 37.36 | 20.48 | UFT | UTF | N | Y |  |  | 6092-38 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1358 | 45-CA-SC | 4.0 | 29.39 | 21.91 | 6.47 |  |  |  | N |  |  | 6092-18 |
| 1359 | 45-CA-SC | 24.2 | 44.68 | 31.34 | 18.76 | CCT | MDC |  | Y |  |  | 6092-51 |
| 1360 | 45-CA-SC | 8.4 | 43.17 | 26.42 | 6.63 |  |  |  | N |  |  | 6092-58 |
| 1361 | 45-CA-SC | 3.4 | 28.61 | 15.48 | 7.15 |  |  |  | N |  |  | 6092-10 |
| 1362 | 45-CA-SC | 10.6 | 30.24 | 22.23 | 16.56 | CCT | MDC |  | Y |  |  | 6092-50 |
| 1363 | 45-CA-SC | 12.3 | 35.59 | 22.20 | 15.39 | UFT | RUF | Y | Y |  |  | 6092-59 |
| 1364 | 45-CA-SC | 4.2 | 33.35 | 27.84 | 5.00 |  |  |  | N |  |  | 6092-54 |
| 1365 | 45-CA-SC | 2.5 | 26.23 | 19.94 | 5.05 | BFT | LSB | Y | N | B |  | 13, 25 cm, BUD, B1 very finely made ppt |
| 1366 | 45-CA-SC | 7.4 | 30.65 | 25.59 | 8.82 | UFT | RUF | Y | Y |  |  | 6092-46 |
| 1367 | 45-CA-SC | 12.0 | 46.46 | 24.64 | 11.46 |  |  |  | N |  |  | 6092-9 |
| 1368 | 45-CA-SC | 13.2 | 37.22 | 28.56 | 15.09 |  |  |  | N |  |  | 6092-3 |
| 1369 | 45-CA-SC | 2.5 | 18.21 | 16.18 | 9.62 |  |  |  | N |  |  | 6092-24 |
| 1370 | 45-CA-SC | 10.3 | 35.28 | 29.54 | 16.02 |  |  |  | N |  |  | 6092-42 |
| 1371 | 45-CA-SC | 4.6 | 23.92 | 18.41 | 9.31 |  |  |  | N |  |  | 6092-25 |
| 1372 | 45-CA-SC | 8.9 | 36.60 | 33.89 | 8.20 |  |  |  | Y |  |  | 6092-4 |
| 1373 | 45-CA-SC | 11.9 | 35.87 | 23.91 | 14.20 | CCT | UDC |  | Y |  |  | 6092-47 only two flake scars on core |
| 1374 | 45-CA-SC | 1.4 | 19.28 | 17.78 | 5.03 |  |  |  | N |  |  | 6092-56 |
| 1375 | 45-CA-SC | 5.0 | 31.81 | 23.05 | 6.94 |  |  |  | N |  |  | 6092-7 |
| 1376 | 45-CA-SC | 15.7 | 35.58 | 25.14 | 18.03 | UFT | RUF | Y | Y |  |  | 6092-37 |
| 1377 | 45-CA-SC | 12.3 | 42.17 | 38.57 | 9.60 |  |  |  | Y |  |  | 6092-14 |
| 1378 | 45-CA-SC | 1.7 | 19.20 | 13.61 | 8.52 |  |  |  | N |  |  | 6092-26 |
| 1379 | 45-CA-SC | 8.1 | 42.01 | 23.75 | 8.16 |  |  |  | N |  |  | 6092-53 |
| 1380 | 45-CA-SC | 1.2 | 21.39 | 11.93 | 5.37 |  |  |  | N |  |  | 6092-41 |
| 1381 | 45-CA-SC | 29.4 | 41.97 | 41.03 | 16.78 |  |  |  | N |  |  | 6092-27 |
| 1382 | 45-CA-SC | 3.1 | 25.01 | 18.29 | 5.48 |  |  |  | N |  |  | 6092-15 |
| 1383 | 45-CA-SC | 1.1 | 24.75 | 15.86 | 3.17 |  |  |  | N |  |  | 6092 |
| 1384 | 45-CA-SC | 45.0 | 72.71 | 46.83 | 13.73 | UFT | RUF | Y | N |  |  | 146-10 |
| 1385 | 45-CA-SC | 5.3 | 44.38 | 17.81 | 6.76 | BFT | LSB | Y | N | B | $\begin{aligned} & \hline \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 1386 | 45-CA-SC | 0.5 | 13.61 | 11.85 | 4.32 | BFT | LSB | Y | Y | n |  | 98-5 |
| 1387 | 45-CA-SC | 292.7 | 99.54 | 76.15 | 33.96 | UFT | RUF | Y | Y |  |  | 326-1 Large cobble chopper/scraper |
| 1388 | 45-CA-SC | 14.5 | 40.31 | 3.70 | 10.56 |  |  |  | N |  |  | 292-52 |
| 1389 | 45-CA-SC | 92.3 | 72.45 | 52.85 | 22.81 | UFT | RUF | Y | Y |  |  | 169-14 |
| 1390 | 45-JE-225 | 67.5 | 67.17 | 37.90 | 24.65 | CCT | MDC |  | Y |  |  |  |
| 1391 | 45-JE-225 | 3.0 | 24.81 | 21.59 | 4.21 |  |  |  | Y |  | $\begin{aligned} & \hline \text { Unkno } \\ & \text { wn } \\ & \hline \end{aligned}$ |  |
| 1392 | 45-JE-231 | 5.3 | 38.96 | 22.77 | 10.32 | UFT | UTF | N | Y |  |  |  |
| 1393 | 45-JE-221 | 7.6 | 39.32 | 29.46 | 5.39 |  |  |  | Y |  | $\begin{aligned} & \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 1394 | 45-JE-221 | 7.7 | 49.23 | 21.79 | 8.18 | UFT | UTF | N | Y |  |  |  |


| 1395 | 45-CA-440 | 3.9 | 27.77 | 21.48 | 7.37 |  |  |  | N |  | Watts Point |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1396 | 45-CA-440 | 9.5 | 36.74 | 30.27 | 9.10 |  |  |  | Y |  |  |  |
| 1397 | 45-CA-440 | 9.0 | 37.79 | 22.46 | 13.73 |  |  |  | Y |  |  |  |
| 1398 | 45-CA-440 | 9.3 | 37.54 | 27.37 | 8.28 | UFT | UTF | N | Y |  |  |  |
| 1399 | 45-JE-217 | 11.7 | 41.45 | 23.76 | 16.14 | UFT | RUF | Y | Y |  | $\begin{aligned} & \hline \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 1400 | 45-JE-217 | 4.1 | 26.98 | 24.42 | 7.21 | UFT | UTF | N | Y |  |  |  |
| 1401 | 45-JE-217 | 29.9 | 54.73 | 37.30 | 22.36 | CCT | MDC | N | N |  |  | also unifacially utilized tool |
| 1402 | 45-JE-217 | 12.1 | 38.64 | 23.58 | 15.62 |  |  |  | Y |  |  |  |
| 1403 | 45-JE-217 | 24.2 | 49.11 | 30.62 | 16.32 | UFT | RUF | Y | Y |  |  |  |
| 1404 | 45-JE-222 | 7.3 | 35.39 | 24.78 | 11.24 |  |  |  | N |  |  |  |
| 1405 | 45-JE-222 | 10.1 | 37.51 | 29.71 | 9.45 |  |  |  | Y |  | $\begin{aligned} & \hline \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 1406 | 45-JE-222 | 3.1 | 24.95 | 23.74 | 5.03 |  |  |  | Y |  |  |  |
| 1407 | 45-JE-222 | 1.5 | 22.74 | 17.05 | 5.17 |  |  |  | Y |  |  |  |
| 1408 | 45-JE-222 | 0.6 | 19.36 | 9.08 | 4.74 | UFT | UTF | N | Y |  |  |  |
| 1409 | 45-JE-222 | 6.3 | 30.99 | 26.62 | 8.28 |  |  |  | N |  |  |  |
| 1410 | 45-JE-230 | 4.8 | 29.67 | 24.82 | 9.39 | UFT | UTF | N | Y |  |  |  |
| 1411 | 45-JE-223 | 0.8 | 20.50 | 10.63 | 3.54 |  |  |  | N |  |  |  |
| 1412 | 45-JE-223 | 3.1 | 25.41 | 19.92 | 7.39 |  |  |  | N |  | Watts <br> Point |  |
| 1413 | 45-JE-223 | 0.1 | 12.90 | 4.66 | 2.47 |  |  |  | N |  |  |  |
| 1414 | 45-JE-217 | 18.4 | 44.06 | 35.98 | 11.89 | UFT | UTF | N | Y |  |  |  |
| 1415 | 45-JE-226 | 43.7 | 68.61 | 54.17 | 11.00 | UFT | RUF | Y | Y |  | $\begin{aligned} & \hline \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 1416 | 45-JE-226 | 6.3 | 35.26 | 22.64 | 7.36 |  |  |  | Y |  |  |  |
| 1417 | 45-JE-226 | 6.9 | 31.24 | 19.30 | 12.24 |  |  |  | Y |  |  |  |
| 1418 | 45-JE-226 | 12.7 | 40.33 | 29.08 | 12.51 |  |  |  | Y |  |  |  |
| 1419 | 45-JE-226 | 1.4 | 26.24 | 16.94 | 3.42 |  |  |  | N |  |  |  |
| 1420 | 45-JE-226 | 3.1 | 27.81 | 20.97 | 5.77 |  |  |  | Y |  |  |  |
| 1421 | 45-JE-224 | 12.8 | 54.17 | 29.06 | 8.65 | UFT | UTF | N | Y |  |  |  |
| 1422 | 45-JE-224 | 0.3 | 13.57 | 10.42 | 3.45 |  |  |  | N |  |  |  |
| 1423 | 45-JE-224 | 30.1 | 45.46 | 33.41 | 21.51 | CCT | MDC |  | Y |  |  |  |
| 1424 | 45-JE-224 | 1.1 | 23.07 | 11.99 | 3.93 |  |  |  | N |  |  |  |
| 1425 | 45-JE-224 | 4.9 | 29.22 | 18.22 | 7.87 |  |  |  | N |  |  |  |
| 1426 | 45-JE-224 | 0.1 | 7.26 | 5.32 | 1.93 |  |  |  | N |  |  |  |
| 1427 | 45-JE-224 | 0.6 | 18.15 | 12.42 | 3.53 |  |  |  | N |  | Watts <br> Point |  |
| 1428 | 45-JE-219 | 13.2 | 33.81 | 26.21 | 15.13 |  |  |  | Y |  | $\begin{aligned} & \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 1429 | 45-JE-219 | 3.6 | 31.15 | 25.46 | 6.53 |  |  |  | Y |  |  |  |
| 1430 | 45-JE-219 | 3.0 | 32.90 | 20.37 | 6.27 |  |  |  | N |  |  |  |
| 1431 | 45-JE-220 | 4.1 | 31.87 | 18.12 | 7.25 | BFT | ESB | N | N | B |  |  |
| 1432 | 45-JE-220 | 3.4 | 27.54 | 21.47 | 5.72 | UFT | RUF | Y | N |  |  |  |


| 1433 | 45-JE-220 | 7.7 | 37.21 | 19.55 | 11.49 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1434 | 45-JE-220 | 1.6 | 21.51 | 15.17 | 5.53 |  |  |  | Y |  |  |
| 1435 | 45-JE-220 | 2.4 | 25.05 | 20.78 | 6.85 | UFT | UTF | N | N |  |  |
| 1436 | 45-JE-220 | 1.0 | 16.38 | 13.73 | 5.60 |  |  |  | N |  |  |
| 1437 | 45-JE-220 | 0.8 | 18.86 | 12.93 | 2.95 |  |  |  | Y | Watts Point |  |
| 1438 | 45-JE-220 | 5.2 | 33.66 | 20.63 | 9.86 |  |  |  | N |  |  |
| 1439 | 45-CA-483 | 48.1 | 57.75 | 40.46 | 27.71 | CCT | MDC |  | Y |  |  |
| 1440 | 45-CA-483 | 3.2 | 25.17 | 20.84 | 9.04 |  |  |  | Y |  |  |
| 1441 | 45-CA-483 | 2.6 | 30.04 | 19.29 | 3.92 |  |  |  | N |  |  |
| 1442 | 45-CA-483 | 2.7 | 21.56 | 17.26 | 10.09 |  |  |  | Y |  |  |
| 1443 | 45-CA-483 | 0.4 | 16.39 | 8.13 | 3.27 |  |  |  | N |  |  |
| 1444 | 45-CA-483 | 2.8 | 30.92 | 22.78 | 3.82 |  |  |  | N |  |  |
| 1445 | 45-CA-483 | 0.8 | 21.74 | 11.19 | 3.50 |  |  |  | N |  |  |
| 1446 | 45-CA-483 | 3.2 | 27.06 | 19.82 | 3.27 |  |  |  | N |  |  |
| 1447 | 45-CA-483 | 17.8 | 33.20 | 32.40 | 16.61 | UFT | RUF | Y | Y |  | Retouched thumbnail scraper |
| 1448 | 45-CA-483 | 0.7 | 17.01 | 14.72 | 2.62 |  |  |  | N |  |  |
| 1449 | 45-CA-483 | 1.6 | 27.64 | 16.52 | 4.58 |  |  |  | N |  |  |
| 1450 | 45-CA-483 | 1.6 | 23.67 | 13.79 | 4.80 |  |  |  | Y |  | trail worn |
| 1451 | 45-CA-483 | 2.5 | 35.75 | 13.44 | 5.41 |  |  |  | Y |  |  |
| 1452 | 45-CA-483 | 0.5 | 12.20 | 10.13 | 3.31 |  |  |  | Y |  |  |
| 1453 | 45-CA-483 | 10.8 | 42.83 | 30.01 | 7.95 |  |  |  | N |  |  |
| 1454 | 45-CA-483 | 0.8 | 20.29 | 12.23 | 2.47 |  |  |  | N |  |  |
| 1455 | 45-CA-483 | 2.6 | 26.51 | 16.65 | 7.49 |  |  |  | N |  |  |
| 1456 | 45-CA-483 | 0.8 | 19.20 | 13.42 | 3.44 |  |  |  | N |  |  |
| 1457 | 45-CA-483 | 4.5 | 30.32 | 19.99 | 11.40 |  |  |  | Y |  |  |
| 1458 | 45-CA-483 | 2.2 | 22.21 | 18.53 | 8.04 |  |  |  | Y |  |  |
| 1459 | 45-CA-483 | 0.8 | 18.36 | 9.68 | 3.50 |  |  |  | N |  |  |
| 1460 | 45-CA-483 | 0.2 | 11.23 | 7.32 | 2.44 |  |  |  | N |  |  |
| 1461 | 45-CA-483 | 0.4 | 15.61 | 7.20 | 3.27 |  |  |  | N |  |  |
| 1462 | 45-CA-483 | 6.0 | 36.61 | 23.38 | 4.14 |  |  |  | Y | Watts Point |  |
| 1463 | 45-CA-483 | 1.6 | 29.44 | 20.12 | 5.34 |  |  |  | N |  |  |
| 1464 | 45-CA-483 | 0.6 | 15.36 | 12.08 | 4.34 |  |  |  | N |  |  |
| 1465 | 45-CA-486 | 19.3 | 45.38 | 25.28 | 22.77 |  |  |  | Y |  |  |
| 1466 | 45-CA-486 | 2.4 | 35.61 | 15.39 | 5.01 |  |  |  | Y |  |  |
| 1467 | 45-CA-486 | 1.2 | 13.79 | 11.55 | 7.46 |  |  |  | N |  |  |
| 1468 | 45-CA-486 | 1.9 | 20.24 | 15.90 | 6.76 |  |  |  | Y |  |  |
| 1469 | 45-CA-486 | 0.6 | 15.78 | 11.24 | 4.57 |  |  |  | Y |  |  |
| 1470 | 45-CA-486 | 11.5 | 29.16 | 28.25 | 18.24 |  |  |  | Y |  |  |


| 1471 | 45-CA-492 | 2.7 | 35.46 | 14.55 | 6.15 |  |  |  | N |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1472 | 45-CA-492 | 1.6 | 22.41 | 16.12 | 4.89 |  |  |  | Y |  |  |  |
| 1473 | 45-CA-492 | 2.6 | 25.18 | 18.10 | 5.39 |  |  |  | N |  |  |  |
| 1474 | 45-CA-492 | 1.6 | 20.89 | 18.11 | 3.82 |  |  |  | N |  |  |  |
| 1475 | 45-CA-492 | 4.4 | 30.91 | 17.99 | 7.32 |  |  |  | Y |  |  |  |
| 1476 | 45-CA-492 | 22.1 | 52.76 | 31.20 | 14.05 |  |  |  | Y |  |  |  |
| 1477 | 45-CA-492 | 0.5 | 14.43 | 9.62 | 4.35 |  |  |  | N |  |  |  |
| 1478 | 45-CA-492 | 0.4 | 13.73 | 11.27 | 2.87 |  |  |  | Y |  |  |  |
| 1479 | 45-CA-492 | 0.8 | 16.46 | 15.45 | 3.92 |  |  |  | N |  |  |  |
| 1480 | 45-CA-492 | 0.3 | 13.39 | 6.53 | 3.21 |  |  |  | N |  |  |  |
| 1481 | 45-CA-492 | 1.7 | 22.94 | 13.09 | 5.87 |  |  |  | Y |  | Watts Point |  |
| 1482 | 45-CA-492 | 2.6 | 24.44 | 19.92 | 4.60 |  |  |  | N |  |  |  |
| 1483 | 45-CA-492 | 0.2 | 11.78 | 9.85 | 2.56 |  |  |  | N |  |  |  |
| 1484 | 45-CA-492 | 0.9 | 19.67 | 11.95 | 4.02 | UFT | RUF | Y | N |  |  |  |
| 1485 | 45-CA-492 | 2.1 | 26.26 | 20.88 | 3.77 |  |  |  | N |  |  |  |
| 1486 | 45-CA-492 | 2.3 | 26.93 | 15.14 | 4.80 | UFT | RUF | Y | N |  |  |  |
| 1487 | 45-CA-492 | 0.5 | 14.09 | 10.65 | 2.93 |  |  |  | N |  |  |  |
| 1488 | 45-CA-492 | 0.2 | 11.14 | 7.79 | 2.45 |  |  |  | N |  |  |  |
| 1489 | 45-CA-492 | 14.9 | 39.78 | 30.00 | 11.27 | UFT | RUF | Y | Y |  |  |  |
| 1490 | 45-CA-492 | 1.4 | 25.94 | 9.68 | 7.08 |  |  |  | N |  |  |  |
| 1491 | 45-CA-492 | 3.5 | 26.80 | 18.07 | 5.54 |  |  |  | Y |  |  |  |
| 1492 | 45-CA-492 | 2.5 | 26.78 | 15.55 | 6.19 |  |  |  | N |  |  |  |
| 1493 | 45-CA-492 | 0.2 | 11.46 | 7.76 | 2.43 |  |  |  | N |  |  |  |
| 1494 | 45-CA-484 | 2.0 | 18.12 | 15.49 | 8.65 |  |  |  | N |  |  |  |
| 1495 | 45-CA-484 | 4.5 | 36.44 | 18.71 | 8.26 |  |  |  | Y |  |  |  |
| 1496 | 45-CA-484 | 26.2 | 45.89 | 40.54 | 11.33 |  |  |  | Y |  |  |  |
| 1497 | 45-CA-488 | 4.4 | 37.19 | 20.35 | 6.97 | UFT | UTF | N | N |  |  |  |
| 1498 | 45-CA-488 | 1.9 | 30.14 | 20.09 | 4.48 |  |  |  | N |  |  |  |
| 1499 | 45-CA-490 | 10.4 | 36.92 | 25.76 | 10.73 |  |  |  | Y |  |  |  |
| 1500 | 45-CA-491 | 11.9 | 40.70 | 26.18 | 15.84 |  |  |  | Y |  |  |  |
| 1501 | 45-CA-489 | 2.3 | 22.68 | 14.15 | 7.39 | BFT | ESB | Y | N | B |  |  |
| 1502 | 45-CA-489 | 112.4 | 63.46 | 47.65 | 31.90 | CCT | FLC |  | Y |  |  | core has 2 flake scars, looks like bad dacite |
| 1503 | 45-CA-487 | 2.7 | 25.22 | 15.19 | 5.89 |  |  |  | Y |  |  |  |
| 1504 | 45-CA-487 | 2.5 | 21.46 | 13.81 | 8.44 |  |  |  | Y |  |  |  |
| 1505 | 45-CA-487 | 7.8 | 29.29 | 19.89 | 14.64 |  |  |  | Y |  |  |  |
| 1506 | 45-CA-487 | 0.1 | 11.46 | 7.08 | 1.34 |  |  |  | N |  |  |  |
| 1507 | 45-CA-487 | 13.1 | 35.40 | 28.07 | 10.93 |  |  |  | Y |  |  |  |
| 1508 | 45-CA-487 | 22.0 | 52.04 | 27.87 | 13.52 |  |  |  | Y |  |  |  |
| 1509 | 45-CA-487 | 12.6 | 39.07 | 36.42 | 10.37 |  |  |  | Y |  |  |  |


| 1510 | 45-CA-487 | 2.1 | 22.49 | 17.37 | 4.95 |  |  |  | N |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1511 | 45-CA-487 | 18.4 | 56.29 | 32.13 | 14.48 | UFT | UTF | N | Y |  |  |  |
| 1512 | 45-CA-487 | 1.1 | 22.66 | 15.14 | 2.99 |  |  |  | N |  |  |  |
| 1513 | 45-CA-487 | 1.0 | 23.57 | 13.40 | 3.37 |  |  |  | N |  |  |  |
| 1514 | 45-CA-487 | 1.0 | 17.00 | 13.31 | 5.24 |  |  |  | N |  |  |  |
| 1515 | 45-CA-487 | 7.3 | 37.30 | 21.84 | 9.45 |  |  |  | Y |  |  |  |
| 1516 | 45-CA-487 | 289.4 | 85.88 | 71.12 | 48.25 | CCT | MDC |  | Y |  |  |  |
| 1517 | 45-CA-481 | 15.8 | 45.87 | 27.30 | 12.57 |  |  |  | Y |  |  | water worn - all |
| 1518 | 45-CA-481 | 27.6 | 35.85 | 31.64 | 21.82 | CCT | FLC |  | Y |  |  | water worn - only one flake scar |
| 1519 | 45-CA-481 | 4.2 | 32.25 | 19.90 | 6.07 |  |  |  | Y |  |  |  |
| 1520 | 45-CA-481 | 22.6 | 34.07 | 28.41 | 20.39 | CCT | FLC |  | Y |  |  | water worn - only one flake scarm nearly whole |
| 1521 | 45-CA-481 | 2.1 | 24.72 | 16.38 | 4.81 |  |  |  | N |  |  |  |
| 1522 | 45-CA-481 | 1.6 | 24.22 | 14.91 | 5.01 |  |  |  | Y |  |  |  |
| 1523 | 45-CA-481 | 11.1 | 37.62 | 28.71 | 8.49 | BFT | BFF | Y | Y |  |  |  |
| 1524 | 45-CA-481 | 11.5 | 33.04 | 25.65 | 19.79 |  |  |  | Y |  |  |  |
| 1525 | 45-CA-481 | 10.6 | 30.88 | 22.31 | 16.57 | CCT | MDC |  | N |  |  |  |
| 1526 | 45-CA-481 | 4.1 | 35.72 | 18.52 | 5.89 |  |  |  | N |  |  |  |
| 1527 | 45-CA-481 | 34.7 | 50.79 | 38.61 | 19.29 |  |  |  | Y |  |  |  |
| 1528 | 45-CA-481 | 5.6 | 34.39 | 25.41 | 7.95 |  |  |  | Y |  | $\begin{aligned} & \hline \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 1529 | 45-CA-481 | 0.8 | 18.71 | 12.87 | 4.56 |  |  |  | N |  |  |  |
| 1530 | 45-CA-481 | 13.6 | 41.89 | 31.54 | 10.28 |  |  |  | Y |  |  |  |
| 1531 | 45-CA-481 | 37.2 | 49.00 | 31.52 | 23.06 | CCT | MDC |  | Y |  |  |  |
| 1532 | 45-CA-481 | 35.6 | 46.18 | 44.48 | 21.45 | CCT | MDC |  | N |  |  |  |
| 1533 | 45-CA-481 | 5.1 | 45.55 | 19.15 | 6.30 |  |  |  | N |  |  |  |
| 1534 | 45-CA-481 | 35.7 | 46.22 | 40.26 | 20.01 | CCT | MDC |  | Y |  |  |  |
| 1535 | 45-CA-481 | 12.8 | 37.66 | 37.63 | 8.60 |  |  |  | Y |  |  |  |
| 1536 | 45-CA-481 | 3.4 | 34.04 | 15.81 | 6.66 | BFT | LSB | Y | N | W |  |  |
| 1537 | 45-CA-481 | 13.4 | 40.89 | 33.99 | 11.55 |  |  |  | Y |  |  |  |
| 1538 | 45-CA-481 | 0.8 | 19.50 | 12.13 | 4.60 |  |  |  | N |  |  |  |
| 1539 | 45-CA-481 | 27.7 | 48.59 | 36.49 | 12.98 | UFT | RUF | Y | Y |  |  |  |
| 1540 | 45-CA-481 | 59.7 | 62.18 | 41.13 | 23.04 | CCT | MDC |  | Y |  |  |  |
| 1541 | 45-CA-481 | 166.5 | $\begin{aligned} & 112.0 \\ & 6 \\ & \hline \end{aligned}$ | 61.06 | 17.02 | UFT | UTF | Y | Y |  |  |  |
| 1542 | 45-CA-481 | 28.01 | 49.77 | 40.73 | 15.18 | BFT | ESB | N | Y | W |  |  |
| 1543 | 45-CA-481 | 10.2 | 34.87 | 21.02 | 15.16 |  |  |  | Y |  |  |  |
| 1544 | 45-CA-481 | 2.4 | 27.59 | 20.32 | 5.23 |  |  |  | N |  |  |  |
| 1545 | 45-CA-481 | 2.3 | 29.12 | 16.13 | 3.96 |  |  |  | N |  |  |  |
| 1546 | 45-CA-481 | 11.7 | 35.05 | 29.87 | 9.35 |  |  |  | Y |  |  |  |
| 1547 | 45-CA-481 | 4.9 | 36.04 | 23.03 | 6.03 | UFT | UTF | N | N |  |  |  |


| 1548 | 45-CA-481 | 7.2 | 34.31 | 31.95 | 6.37 | UFT | UTF | N | Y |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1549 | 45-CA-481 | 3.4 | 25.85 | 20.22 | 7.07 |  |  |  | N |  |  |  |
| 1550 | 45-CA-481 | 14.0 | 39.25 | 33.36 | 10.79 | UFT | RUF | Y | Y |  |  |  |
| 1551 | 45-CA-481 | 11.3 | 31.49 | 23.88 | 17.67 |  |  |  | Y |  |  |  |
| 1552 | 45-CA-481 | 58.2 | 51.47 | 45.23 | 24.75 | CCT | MDC |  | Y |  |  |  |
| 1553 | 45-CA-481 | 11.9 | 47.04 | 27.51 | 10.67 | UFT | UTF | N | Y |  |  |  |
| 1554 | 45-CA-481 | 3.4 | 24.37 | 20.91 | 6.98 |  |  |  | Y |  |  |  |
| 1555 | 45-CA-481 | 2.2 | 21.07 | 16.53 | 6.57 |  |  |  | N |  |  |  |
| 1556 | 45-CA-481 | 9.2 | 48.44 | 23.41 | 8.73 | BFT | HBF | N | N | B |  |  |
| 1557 | 45-CA-481 | 3.4 | 31.91 | 19.83 | 5.71 |  |  |  | Y |  |  |  |
| 1558 | 45-CA-481 | 23.8 | 48.36 | 44.12 | 13.20 |  |  |  | Y |  |  |  |
| 1559 | 45-CA-481 | 2.9 | 25.94 | 14.62 | 5.85 |  |  |  | N |  |  |  |
| 1560 | 45-CA-481 | 9.8 | 37.57 | 23.18 | 9.91 | UFT | RUF | Y | N |  |  |  |
| 1561 | 45-CA-481 | 27.5 | 44.12 | 30.39 | 17.91 | CCT | MDC |  | Y |  |  |  |
| 1562 | 45-CA-481 | 5.7 | 43.13 | 14.80 | 10.24 |  |  |  | N |  |  |  |
| 1563 | 45-CA-481 | 4.8 | 33.09 | 21.56 | 7.21 |  |  |  | Y |  |  |  |
| 1564 | 45-CA-481 | 6.5 | 26.14 | 25.40 | 9.28 |  |  |  | Y |  |  |  |
| 1565 | 45-CA-481 | 4.5 | 26.08 | 22.61 | 7.63 |  |  |  | Y |  |  |  |
| 1566 | 45-CA-481 | 20.5 | 43.14 | 29.25 | 16.66 | UFT | UTF | N | Y |  |  |  |
| 1567 | 45-CA-481 | 26.9 | 50.99 | 33.74 | 15.15 | UFT | UTF | N | Y |  |  |  |
| 1568 | 45-CA-481 | 63.6 | 56.46 | 47.74 | 28.52 | CCT | MDC |  | Y |  |  |  |
| 1569 | 45-CA-481 | 19.9 | 45.03 | 30.75 | 15.54 |  |  |  | Y |  |  |  |
| 1570 | 45-CA-481 | 17.2 | 54.00 | 25.89 | 8.91 |  |  |  | Y |  |  |  |
| 1571 | 45-CA-481 | 39.1 | 46.53 | 38.68 | 19.75 | CCT | MDC |  | Y |  |  |  |
| 1572 | 45-CA-481 | 93.3 | 67.37 | 60.33 | 28.28 | CCT | MDC |  | Y |  |  | dacite? Has lots of quartzite inclusions |
| 1573 | 45-CA-481 | 18.3 | 36.25 | 23.28 | 16.00 |  | SPL |  | Y |  |  |  |
| 1574 | 45-CA-481 | 19.1 | 53.64 | 24.54 | 14.04 |  |  |  | Y |  |  |  |
| 1575 | 45-CA-481 | 37.8 | 51.59 | 34.63 | 22.88 | CCT | MDC |  | Y |  |  |  |
| 1576 | 45-CA-481 | 28.6 | 50.27 | 41.47 | 16.64 | UFT | RUF | Y | Y |  |  |  |
| 1577 | 45-CA-481 | 2.9 | 22.25 | 15.07 | 10.33 |  |  |  | Y |  | Watts Point |  |
| 1578 | 45-CA-481 | 2.3 | 24.84 | 17.81 | 4.63 |  |  |  | Y |  |  |  |
| 1579 | 45-CA-481 | 12.0 | 38.80 | 29.98 | 9.32 |  |  |  | Y |  |  |  |
| 1580 | 45-CA-481 | 3.9 | 24.78 | 21.48 | 7.75 |  |  |  | Y |  |  |  |
| 1581 | 45-CA-481 | 3.3 | 27.39 | 15.97 | 6.91 |  |  |  | N |  |  |  |
| 1582 | 45-CA-481 | 2.7 | 24.67 | 17.24 | 5.63 |  |  |  | N |  |  |  |
| 1583 | 45-CA-481 | 7.3 | 28.96 | 27.77 | 8.99 |  |  |  | Y |  |  |  |
| 1584 | 45-CA-481 | 10.7 | 35.52 | 28.77 | 8.36 | UFT | RUF | Y | Y |  |  |  |
| 1585 | 45-CA-481 | 50.7 | 53.53 | 34.10 | 23.82 | CCT | MDC |  | Y |  | Unkno <br> wn |  |


| 1586 | 45-CA-481 | 28.1 | 44.77 | 35.31 | 19.67 |  |  |  | Y | Unkno <br> wn |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1587 | 45-CA-481 | 58.7 | 65.07 | 46.64 | 17.76 |  |  |  | Y |  |  |
| 1588 | 45-CA-481 | 34.8 | 46.94 | 34.24 | 23.77 | CCT | MDC |  | Y |  |  |
| 1589 | 45-CA-481 | 29.5 | 41.93 | 34.94 | 21.55 |  |  |  | Y |  |  |
| 1590 | 45-CA-481 | 4.6 | 31.46 | 22.83 | 6.37 |  |  |  | Y |  |  |
| 1591 | 45-CA-481 | 14.2 | 33.34 | 20.56 | 16.82 |  |  |  | Y |  |  |
| 1592 | 45-CA-481 | 25.6 | 37.19 | 30.40 | 18.64 |  | SPL |  | Y |  |  |
| 1593 | 45-CA-481 | 5.0 | 23.34 | 15.88 | 10.87 |  |  |  | Y |  |  |
| 1594 | 45-CA-481 | 26.5 | 37.11 | 31.63 | 20.85 | CCT | MDC |  | Y |  |  |
| 1595 | 45-CA-481 | 14.0 | 33.68 | 25.67 | 19.06 |  |  |  | Y |  |  |
| 1596 | 45-CA-481 | 27.0 | 60.67 | 41.65 | 9.10 | UFT | RUF | Y | Y |  |  |
| 1597 | 45-CA-481 | 543.6 | $\begin{aligned} & 101.6 \\ & 5 \\ & \hline \end{aligned}$ | 87.32 | 57.02 | CCT | FLC |  | Y |  |  |
| 1598 | 45-CA-302 | 4.1 | 39.01 | 23.46 | 5.37 |  |  |  | N |  |  |
| 1599 | 45-CA-302 | 4.9 | 35.13 | 23.92 | 7.30 |  |  |  | N |  |  |
| 1600 | 45-CA-302 | 2.0 | 26.14 | 17.52 | 6.21 |  |  |  | N |  |  |
| 1601 | 45-CA-302 | 0.7 | 23.20 | 14.27 | 3.18 |  |  |  | N |  |  |
| 1602 | 45-CA-302 | 1.6 | 25.56 | 23.10 | 3.93 |  |  |  | N |  |  |
| 1603 | 45-CA-302 | 7.1 | 32.26 | 24.08 | 12.30 |  |  |  | Y |  |  |
| 1604 | 45-CA-302 | 3.9 | 34.28 | 20.93 | 6.71 |  |  |  | Y |  |  |
| 1605 | 45-CA-302 | 2.7 | 24.91 | 18.27 | 6.58 |  |  |  | Y |  |  |
| 1606 | 45-CA-302 | 18.3 | 39.50 | 28.38 | 26.15 | CCT | MDC |  | Y |  |  |
| 1607 | 45-CA-302 | 12.3 | 50.20 | 35.01 | 6.90 |  |  |  | N | $\begin{aligned} & \hline \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 1608 | 45-CA-302 | 1.3 | 24.72 | 13.39 | 5.13 |  |  |  | N | Watts Point |  |
| 1609 | 45-CA-302 | 2.6 | 24.85 | 18.52 | 7.47 |  |  |  | N |  |  |
| 1610 | 45-CA-302 | 2.3 | 29.54 | 22.29 | 3.56 |  |  |  | N |  |  |
| 1611 | 45-CA-302 | 3.7 | 31.74 | 18.06 | 8.61 |  |  |  | Y | $\begin{aligned} & \hline \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 1612 | 45-CA-302 | 2.5 | 26.10 | 16.04 | 5.98 |  |  |  | N |  |  |
| 1613 | 45-CA-302 | 1.8 | 29.34 | 15.43 | 5.54 |  |  |  | N |  |  |
| 1614 | 45-CA-302 | 1.0 | 23.47 | 17.62 | 3.72 |  |  |  | N |  |  |
| 1615 | 45-CA-302 | 0.7 | 20.05 | 16.83 | 2.72 |  |  |  | N |  |  |
| 1616 | 45-CA-302 | 1.4 | 23.80 | 17.64 | 4.74 |  |  |  | Y |  |  |
| 1617 | 45-CA-302 | 1.8 | 28.60 | 18.72 | 3.70 |  |  |  | N |  |  |
| 1618 | 45-CA-302 | 0.9 | 21.26 | 15.16 | 3.19 |  |  |  | N |  |  |
| 1619 | 45-CA-302 | 2.4 | 33.24 | 17.66 | 7.69 |  |  |  | Y |  |  |
| 1620 | 45-CA-302 | 10.7 | 48.73 | 27.03 | 9.46 | UFT | UTF | N | N |  |  |
| 1621 | 45-CA-302 | 2.5 | 24.68 | 22.26 | 6.68 |  |  |  | Y |  |  |
| 1622 | 45-CA-302 | 0.8 | 21.02 | 13.86 | 3.30 |  |  |  | N |  |  |
| 1623 | 45-CA-302 | 1.1 | 32.08 | 11.24 | 3.35 |  |  |  | N |  |  |




| 1702 | 45-CA-302 | 0.3 | 15.40 | 10.89 | 2.07 |  |  |  | N |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1703 | 45-CA-302 | 0.2 | 12.90 | 8.07 | 2.39 |  |  |  | N |  |  |  |
| 1704 | 45-CA-302 | 0.2 | 13.26 | 11.79 | 2.14 |  |  |  | N |  |  |  |
| 1705 | 45-CA-302 | 0.2 | 14.76 | 11.58 | 1.83 |  |  |  | N |  |  |  |
| 1706 | 45-CA-302 | 0.1 | 10.43 | 7.57 | 1.19 |  |  |  | N |  |  |  |
| 1707 | 45-CA-302 | 0.1 | 13.66 | 7.51 | 2.02 |  |  |  | N |  |  |  |
| 1708 | 45-CA-302 | 0.1 | 10.15 | 9.41 | 1.43 |  |  |  | N |  |  |  |
| 1709 | 45-CA-302 | 0.1 | 10.07 | 8.57 | 1.51 |  |  |  | N |  |  |  |
| 1710 | 45-CA-302 | 0.1 | 11.61 | 8.25 | 1.37 |  |  |  | N |  |  |  |
| 1711 | 45-CA-302 | 0.3 | 8.62 | 7.35 | 3.47 | BFT | ESB | Y | Y | B |  |  |
| 1712 | 45-CA-302 | 0.4 | 15.08 | 9.44 | 2.91 |  |  |  | N |  |  |  |
| 1713 | 45-CA-302 | 1.3 | 19.65 | 17.95 | 5.17 |  |  |  | N |  |  |  |
| 1714 | 45-CA-302 | 0.3 | 13.59 | 9.09 | 3.69 |  |  |  | N |  |  |  |
| 1715 | 45-CA-302 | 1.1 | 25.53 | 13.44 | 4.61 |  |  |  | Y |  |  |  |
| 1716 | 45-CA-302 | 0.2 | 14.28 | 6.83 | 2.02 |  |  |  | N |  |  |  |
| 1717 | 45-CA-302 | 0.4 | 21.94 | 10.47 | 1.98 |  |  |  | N |  |  |  |
| 1718 | 45-CA-302 | 0.1 | 12.83 | 8.10 | 1.43 |  |  |  | N |  |  |  |
| 1719 | 45-CA-302 | 0.2 | 11.30 | 8.23 | 140 |  |  |  | N |  |  |  |
| 1720 | 45-CA-302 | 0.4 | 14.85 | 12.50 | 2.64 |  |  |  | N |  |  |  |
| 1721 | 45-CA-302 | 0.1 | 10.65 | 8.01 | 1.46 |  |  |  | N |  |  |  |
| 1722 | 45-CA-302 | 0.2 | 11.20 | 8.24 | 2.11 |  |  |  | Y |  |  |  |
| 1723 | 45-CA-302 | 0.1 | 9.30 | 8.18 | 1.74 |  |  |  | N |  |  |  |
| 1724 | 45-CA-302 | 1.1 | 23.33 | 12.41 | 5.41 |  |  |  | N |  |  |  |
| 1725 | 45-CA-302 | 3.1 | 29.93 | 26.77 | 4.38 | UFT | UTF | N | N |  |  |  |
| 1726 | 45-CA-302 | 0.5 | 18.17 | 10.37 | 2.97 |  |  |  | N |  |  |  |
| 1727 | 45-CA-302 | 1.2 | 26.44 | 12.71 | 3.06 |  |  |  | N |  |  |  |
| 1728 | 45-CA-302 | 0.6 | 19.37 | 11.36 | 2.69 |  |  |  | Y |  | $\begin{aligned} & \hline \text { Watts } \\ & \text { Point } \\ & \hline \end{aligned}$ |  |
| 1729 | 45-CA-302 | 0.7 | 20.70 | 13.89 | 2.21 |  |  |  | N |  |  |  |
| 1730 | 45-CA-302 | 4.2 | 33.94 | 23.97 | 7.16 |  |  |  | N |  |  |  |
| 1731 | 45-CA-302 | 0.9 | 18.01 | 12.62 | 3.89 |  |  |  | Y |  |  |  |
| 1732 | 45-CA-302 | 14.2 | 43.21 | 31.10 | 10.63 | UFT | RUF | Y | Y |  |  |  |
| 1733 | 45-CA-302 | 3.0 | 28.86 | 21.71 | 4.45 |  |  |  | Y |  |  |  |
| 1734 | 45-CA-302 | 0.6 | 21.48 | 11.26 | 3.07 |  |  |  | N |  |  |  |
| 1735 | 45-CA-302 | 1.3 | 27.04 | 16.51 | 3.49 |  |  |  | Y |  |  |  |
| 1736 | 45-CA-302 | 0.9 | 22.76 | 15.32 | 3.27 |  |  |  | N |  |  |  |
| 1737 | 45-CA-302 | 0.4 | 17.93 | 11.35 | 2.66 |  |  |  | N |  |  |  |
| 1738 | 45-CA-302 | 0.5 | 13.90 | 11.26 | 11.26 |  |  |  | N |  |  |  |
| 1739 | 45-CA-302 | 0.2 | 14.21 | 9.35 | 1.63 |  |  |  | N |  |  |  |
| 1740 | 45-CA-302 | 0.2 | 14.18 | 7.19 | 3.35 |  |  |  | N |  |  |  |


| 1741 | 45-CA-302 | 0.1 | 11.20 | 8.69 | 1.38 |  |  |  | N |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1742 | 45-CA-302 | 0.3 | 14.89 | 13.18 | 1.94 |  |  |  | N |  |  |  |
| 1743 | 45-CA-302 | 0.1 | 10.22 | 8.68 | 1.28 |  |  |  | N |  |  |  |
| 1744 | 45-CA-302 | 0.5 | 16.93 | 14.28 | 2.34 |  |  |  | N |  |  |  |
| 1745 | 45-CA-302 | 0.2 | 16.58 | 6.66 | 1.66 |  |  |  | N |  |  |  |
| 1746 | 45-CA-302 | 0.3 | 14.53 | 7.54 | 2.58 |  |  |  | N |  |  |  |
| 1747 | 45-CA-302 | 0.6 | 18.48 | 11.16 | 2.80 |  |  |  | N |  |  |  |
| 1748 | 45-CA-302 | 0.1 | 10.09 | 8.51 | 1.06 |  |  |  | N |  |  |  |
| 1749 | 45-CA-302 | 0.1 | 9.77 | 8.58 | 1.25 |  |  |  | N |  |  |  |
| 1750 | 45-CA-302 | 0.1 | 11.78 | 7.75 | 1.13 |  |  |  | N |  |  |  |
| 1751 | 45-CA-302 | 0.1 | 12.01 | 8.73 | 1.19 |  |  |  | Y |  |  |  |
| 1752 | 45-CA-302 | 0.2 | 12.29 | 5.92 | 3.29 |  |  |  | N |  |  |  |
| 1753 | 45-CA-302 | 0.2 | 12.21 | 8.49 | 3.18 |  |  |  | N |  |  |  |
| 1754 | 45-CA-302 | 17.7 | 47.91 | 42.82 | 8.31 |  |  |  | Y |  | Watts Point |  |
| 1755 | 45-CA-302 | 1.0 | 18.39 | 16.35 | 3.04 |  |  |  | N |  |  |  |
| 1756 | 45-CA-302 | 10.9 | 34.93 | 23.05 | 14.15 | CCT | MDC |  | Y |  |  |  |
| 1757 | 45-CA-302 | 1.3 | 21.85 | 13.08 | 5.68 |  |  |  | N |  |  |  |
| 1758 | 45-CA-302 | 0.2 | 13.57 | 9.21 | 3.69 |  |  |  | N |  |  |  |
| 1759 | 45-CA-302 | 0.3 | 13.48 | 10.17 | 1.58 |  |  |  | N |  |  |  |
| 1760 | 45-CA-302 | 0.7 | 16.72 | 12.07 | 3.58 |  |  |  | N |  |  |  |
| 1761 | 45-CA-302 | 0.1 | 10.13 | 8.52 | 2.45 |  |  |  | N |  |  |  |
| 1762 | 45-CA-302 | 0.5 | 10.98 | 7.16 | 5.07 |  |  |  | Y |  |  |  |
| 1763 | 45-CA-302 | 2.0 | 27.82 | 14.58 | 7.01 |  |  |  | Y |  |  |  |
| 1764 | 45-CA-302 | 0.4 | 11.08 | 6.51 | 4.74 | CCT | UDC |  | Y |  |  | very small core with only one flake scar |
| 1765 | 45-CA-302 | 7.8 | 38.30 | 19.84 | 9.53 | BFT | LSB | N | N | B | Watts Point |  |
| 1766 | 45-CA-302 | 1.0 | 18.19 | 16.77 | 4.44 | UFT | UTF | N | N |  |  |  |
| 1767 | 45-CA-302 | 0.6 | 17.00 | 12.64 | 2.84 |  |  |  | Y |  |  |  |
| 1768 | 45-CA-302 | 0.8 | 17.65 | 12.82 | 4.29 |  |  |  | N |  |  |  |
| 1769 | 45-CA-302 | 3.6 | 24.14 | 19.38 | 9.57 |  |  |  | Y |  |  |  |
| 1770 | 45-CA-302 | 1.4 | 20.92 | 13.2 | 5.59 |  |  |  | Y |  |  |  |
| 1771 | 45-CA-302 | 0.3 | 14.84 | 11.44 | 1.97 |  |  |  | N |  |  |  |
| 1772 | 45-CA-302 | 0.2 | 14.22 | 8.36 | 2.41 |  |  |  | N |  |  |  |
| 1773 | 45-CA-302 | 0.1 | 11.04 | 7.44 | 2.18 |  |  |  | N |  |  |  |
| 1774 | 45-CA-302 | 0.1 | 12.87 | 9.24 | 1.83 |  |  |  | N |  |  |  |
| 1775 | 45-CA-302 | 2.1 | 23.73 | 16.48 | 4.44 |  |  |  | N |  |  |  |
| 1776 | 45-CA-302 | 1.1 | 21.77 | 13.69 | 3.44 |  |  |  | N |  |  |  |
| 1777 | 45-CA-302 | 3.9 | 28.98 | 16.79 | 11.05 |  |  |  | Y |  |  |  |
| 1778 | 45-CA-302 | 0.8 | 23.39 | 15.56 | 2.82 |  |  |  | N |  |  |  |


| 1779 | 45-CA-302 | 0.8 | 17.12 | 12.62 | 3.61 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1780 | 45-CA-302 | 0.5 | 14.01 | 12.86 | 3.26 |  |  |  | N |  |  |
| 1781 | 45-CA-302 | 0.4 | 10.63 | 6.37 | 5.57 |  |  |  | Y |  |  |
| 1782 | 45-CA-302 | 0.3 | 12.71 | 7.62 | 3.71 |  |  |  | Y |  |  |
| 1783 | 45-CA-302 | 1.5 | 25.08 | 17.93 | 3.17 |  |  |  | N |  |  |
| 1784 | 45-CA-302 | 0.3 | 13.32 | 10.40 | 3.61 |  |  |  | N |  |  |
| 1785 | 45-CA-302 | 0.3 | 12.78 | 9.43 | 1.91 |  |  |  | N |  |  |
| 1786 | 45-CA-302 | 0.5 | 12.83 | 11.94 | 4.44 |  |  |  | Y |  |  |
| 1787 | 45-CA-302 | 0.3 | 14.59 | 9.99 | 1.86 |  |  |  | Y |  |  |
| 1788 | 45-CA-302 | 0.1 | 10.98 | 8.77 | 2.05 |  |  |  | N |  |  |
| 1789 | 45-CA-302 | 0.6 | 18.79 | 13.85 | 2.33 |  |  |  | N |  |  |
| 1790 | 45-CA-302 | 1.9 | 27.47 | 15.91 | 4.58 |  |  |  | N |  |  |
| 1791 | 45-CA-302 | 0.3 | 12.78 | 10.85 | 2.80 |  |  |  | N |  |  |
| 1792 | 45-CA-302 | 1.0 | 16.90 | 12.77 | 4.26 |  |  |  | Y |  |  |
| 1793 | 45-CA-302 | 0.5 | 19.06 | 14.12 | 2.70 |  |  |  | Y |  |  |
| 1794 | 45-CA-302 | 0.1 | 14.16 | 11.27 | 1.39 |  |  |  | N |  |  |
| 1795 | 45-CA-302 | 0.1 | 10.75 | 5.57 | 3.13 |  |  |  | Y |  |  |
| 1796 | 45-CA-302 | 0.2 | 14.65 | 10.09 | 2.50 |  |  |  | N |  |  |
| 1797 | 45-CA-302 | 0.3 | 14.85 | 10.52 | 3.60 |  |  |  | Y |  |  |
| 1798 | 45-CA-302 | 0.3 | 21.30 | 9.66 | 1.96 |  |  |  | Y |  |  |
| 1799 | 45-CA-302 | 0.1 | 10.61 | 8.05 | 1.16 |  |  |  | N |  |  |
| 1800 | 45-CA-302 | 1.0 | 21.85 | 9.78 | 5.17 |  |  |  | N |  |  |
| 1801 | 45-CA-302 | 3.2 | 30.90 | 18.91 | 4.94 |  |  |  | N |  |  |
| 1802 | 45-CA-302 | 2.9 | 23.64 | 18.89 | 6.11 | UFT | RUF | Y | N |  |  |
| 1803 | 45-CA-302 | 1.4 | 20.15 | 14.14 | 4.13 |  |  |  | N |  |  |
| 1804 | 45-CA-302 | 1.0 | 20.36 | 13.68 | 3.23 |  |  |  | N |  |  |
| 1805 | 45-CA-302 | 5.5 | 26.51 | 17.27 | 15.43 |  |  |  | N |  |  |
| 1806 | 45-CA-302 | 0.2 | 10.75 | 10.45 | 1.86 |  |  |  | N |  |  |
| 1807 | 45-CA-302 | 8.2 | 34.61 | 24.88 | 11.05 | UFT | RUF | Y | N |  |  |
| 1808 | 45-CA-302 | 0.6 | 16.97 | 13.86 | 3.95 |  |  |  | Y |  |  |
| 1809 | 45-CA-302 | 5.0 | 29.09 | 14.38 | 1.85 |  |  |  | Y |  | small split pebble |
| 1810 | 45-CA-302 | 2.1 | 18.56 | 12.35 | 9.06 | CCT | BPC |  | Y |  |  |
| 1811 | 45-CA-302 | 0.4 | 15.64 | 9.65 | 2.75 |  |  |  | N |  |  |
| 1812 | 45-CA-302 | 0.5 | 17.78 | 11.27 | 2.62 |  |  |  | N |  |  |
| 1813 | 45-CA-302 | 6.7 | 28.34 | 16.61 | 12.63 |  |  |  | N | Watts Point |  |
| 1814 | 45-CA-302 | 4.5 | 26.38 | 23.10 | 7.29 | UFT | RUF | Y | N |  |  |
| 1815 | 45-CA-302 | 1.3 | 18.31 | 16.25 | 4.46 |  |  |  | Y |  |  |
| 1816 | 45-CA-302 | 0.5 | 18.01 | 9.48 | 4.09 |  |  |  | N |  |  |
| 1817 | 45-CA-302 | 0.8 | 18.81 | 15.06 | 3.90 |  |  |  | N |  |  |


| 1818 | 45-CA-302 | 0.7 | 17.86 | 9.94 | 4.84 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1819 | 45-CA-302 | 0.4 | 14.77 | 10.81 | 2.30 |  |  |  | N |  |  |
| 1820 | 45-CA-302 | 0.5 | 15.95 | 5.83 | 5.02 |  |  |  | Y |  |  |
| 1821 | 45-CA-302 | 1.9 | 24.01 | 17.69 | 4.41 |  |  |  | N |  |  |
| 1822 | 45-CA-302 | 0.8 | 16.52 | 11.34 | 4.14 |  |  |  | Y |  |  |
| 1823 | 45-CA-302 | 2.5 | 33.20 | 16.51 | 5.05 |  |  |  | Y |  |  |
| 1824 | 45-CA-302 | 0.3 | 10.14 | 7.24 | 5.39 |  |  |  | Y |  |  |
| 1825 | 45-CA-302 | 0.3 | 10.58 | 6.91 | 3.96 | UFT | RUF | Y | Y |  |  |
| 1826 | 45-CA-302 | 0.2 | 10.20 | 5.78 | 5.54 |  |  |  | Y |  |  |
| 1827 | 45-CA-302 | 3.2 | 31.28 | 19.50 | 5.22 | UFT | RUF | Y | N |  |  |
| 1828 | 45-CA-302 | 0.9 | 18.76 | 11.66 | 4.39 | UFT | RUF | Y | N |  |  |
| 1829 | 45-CA-302 | 0.6 | 19.60 | 13.49 | 2.86 |  |  |  | N |  |  |
| 1830 | 45-CA-302 | 0.5 | 19.09 | 11.60 | 2.83 |  |  |  | N |  |  |
| 1831 | 45-CA-302 | 0.5 | 17.22 | 12.76 | 2.38 |  |  |  | N |  |  |
| 1832 | 45-CA-302 | 0.1 | 9.60 | 8.33 | 1.16 |  |  |  | N |  |  |
| 1833 | 45-CA-302 | 6.6 | 45.01 | 26.75 | 7.93 |  |  |  | Y |  |  |
| 1834 | 45-CA-302 | 0.3 | 13.57 | 9.30 | 3.70 |  |  |  | Y |  |  |
| 1835 | 45-CA-302 | 2.4 | 21.00 | 17.49 | 9.60 |  |  |  | Y |  |  |
| 1836 | 45-CA-302 | 2.0 | 30.16 | 22.48 | 3.53 |  |  |  | N |  |  |
| 1837 | 45-CA-302 | 0.4 | 13.39 | 10.62 | 3.22 |  |  |  | N |  |  |
| 1838 | 45-CA-302 | 0.2 | 12.98 | 11.13 | 1.76 |  |  |  | Y |  |  |
| 1839 | 45-CA-302 | 0.8 | 18.40 | 16.84 | 2.87 |  |  |  | N |  |  |
| 1840 | 45-CA-302 | 0.2 | 9.22 | 7.56 | 2.64 |  |  |  | N |  |  |
| 1841 | 45-CA-302 | 0.3 | 11.86 | 9.74 | 2.72 |  |  |  | N |  |  |
| 1842 | 45-CA-302 | 12.6 | 38.96 | 33.86 | 10.12 |  |  |  | Y |  |  |
| 1843 | 45-CA-302 | 9.7 | 42.26 | 23.74 | 12.06 |  |  |  | N | Watts Point |  |
| 1844 | 45-CA-302 | 2.7 | 26.36 | 15.58 | 7.69 |  |  |  | Y |  |  |
| 1845 | 45-CA-302 | 0.2 | 14.66 | 12.26 | 1.69 |  |  |  | N |  |  |
| 1846 | 45-CA-302 | 0.7 | 19.42 | 12.47 | 2.83 |  |  |  | Y |  |  |
| 1847 | 45-CA-302 | 3.4 | 33.16 | 29.25 | 5.47 |  |  |  | N |  |  |
| 1848 | 45-CA-302 | 0.1 | 9.52 | 7.51 | 1.21 |  |  |  | N |  |  |
| 1849 | 45-CA-302 | 0.1 | 10.84 | 9.69 | 1.77 |  |  |  | N |  |  |
| 1850 | 45-CA-302 | 8.4 | 37.71 | 31.96 | 7.27 | UFT | UTF | N | Y |  |  |
| 1851 | 45-CA-302 | 5.1 | 38.88 | 19.40 | 7.22 |  |  |  | Y |  |  |
| 1852 | 45-CA-302 | 4.8 | 30.26 | 25.66 | 7.96 |  |  |  | Y |  |  |
| 1853 | 45-CA-302 | 0.2 | 14.28 | 7.84 | 2.11 |  |  |  | N |  |  |
| 1854 | 45-CA-302 | 0.6 | 18.04 | 11.98 | 3.24 |  |  |  | N |  |  |
| 1855 | 45-CA-302 | 1.3 | 20.68 | 13.25 | 5.86 |  |  |  | Y |  |  |
| 1856 | 45-CA-302 | 0.2 | 15.95 | 6.48 | 2.05 |  |  |  | N |  |  |


| 1857 | 45-CA-302 | 0.2 | 10.64 | 7.62 | 1.95 |  |  |  | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1858 | 45-CA-302 | 0.1 | 12.97 | 9.04 | 1.68 |  |  |  | N |  |  |
| 1859 | 45-CA-302 | 0.1 | 13.12 | 6.62 | 1.68 |  |  |  | N |  |  |
| 1860 | 45-CA-302 | 0.1 | 8.94 | 8.10 | 1.34 |  |  |  | N |  |  |
| 1861 | 45-CA-302 | 6.9 | 40.52 | 30.25 | 11.44 |  |  |  | Y |  |  |
| 1862 | 45-CA-302 | 6.3 | 43.31 | 24.23 | 7.86 |  |  |  | Y |  |  |
| 1863 | 45-CA-302 | 0.1 | 13.05 | 8.66 | 1.56 |  |  |  | N |  |  |
| 1864 | 45-CA-302 | 0.3 | 12.12 | 6.33 | 2.17 |  |  |  | N |  |  |
| 1865 | 45-CA-302 | 1.4 | 21.57 | 12.06 | 5.33 |  |  |  | Y |  |  |
| 1866 | 45-JE-216 | 10.0 | 39.47 | 29.07 | 11.47 | BFT | BFF | Y | N |  |  |
| 1867 | 45-JE-216 | 0.7 | 21.78 | 8.83 | 4.38 |  |  |  | N |  |  |
| 1868 | 45-JE-216 | 6.7 | 36.93 | 19.54 | 10.92 |  |  |  | Y |  |  |
| 1869 | 45-JE-216 | 7.6 | 28.78 | 18.72 | 14.74 |  |  |  | Y |  |  |
| 1870 | 45-JE-216 | 5.3 | 34.24 | 20.79 | 8.52 |  |  |  | Y |  |  |
| 1871 | 45-JE-216 | 0.9 | 16.84 | 15.23 | 5.89 |  |  |  | N |  |  |
| 1872 | 45-JE-216 | 0.4 | 18.09 | 11.14 | 2.72 |  |  |  | Y |  |  |
| 1873 | 45-JE-216 | 4.4 | 30.87 | 23.49 | 6.08 |  |  |  | N |  |  |
| 1874 | 45-JE-216 | 2.3 | 35.21 | 14.39 | 5.31 |  |  |  | Y |  |  |
| 1875 | 45-JE-216 | 5.6 | 32.68 | 24.57 | 9.43 |  |  |  | Y |  |  |
| 1876 | 45-JE-216 | 7.6 | 39.66 | 17.03 | 12.31 | UFT | RUF | Y | N |  |  |
| 1877 | 45-JE-216 | 6.4 | 57.20 | 32.16 | 3.85 | UFT | UTF | N | N |  | red slate |
| 1878 | 45-JE-216 | 0.2 | 13.01 | 7.73 | 2.02 |  |  |  | N |  |  |
| 1879 | 45-JE-216 | 0.7 | 15.50 | 10.72 | 6.15 |  |  |  | N |  |  |
| 1880 | 45-JE-216 | 13.2 | 42.01 | 23.04 | 14.33 |  |  |  | Y |  |  |
| 1881 | 45-JE-216 | 9.8 | 38.46 | 33.91 | 10.52 |  |  |  | N |  |  |
| 1882 | 45-JE-216 | 0.6 | 17.37 | 8.66 | 5.38 |  |  |  | Y |  |  |
| 1883 | 45-JE-216 | 2.6 | 30.91 | 17.05 | 4.60 |  |  |  | N |  |  |
| 1884 | 45-JE-216 | 1.1 | 19.63 | 16.74 | 4.69 |  |  |  | Y |  |  |
| 1885 | 45-JE-216 | 0.6 | 19.43 | 11.42 | 3.46 |  |  |  | N |  |  |
| 1886 | 45-JE-216 | 0.2 | 12.78 | 8.73 | 1.46 |  |  |  | Y |  |  |
| 1887 | 45-JE-216 | 0.6 | 16.60 | 8.22 | 3.84 |  |  |  | N |  |  |
| 1888 | 45-JE-216 | 0.1 | 12.74 | 5.24 | 2.28 |  |  |  | Y |  |  |
| 1889 | 45-JE-216 | 0.7 | 17.48 | 14.15 | 2.71 |  |  |  | Y |  |  |
| 1890 | 45-JE-216 | 0.4 | 14.28 | 8.60 | 4.52 |  |  |  | N |  |  |
| 1891 | 45-JE-216 | 0.3 | 12.28 | 9.58 | 3.71 |  |  |  | Y |  |  |
| 1892 | 45-JE-216 | 0.5 | 17.93 | 10.64 | 3.35 |  |  |  | Y |  |  |
| 1893 | 45-JE-216 | 0.6 | 18.45 | 10.15 | 3.84 | UFT | UTF | N | N |  |  |
| 1894 | 45-JE-216 | 1.5 | 18.63 | 16.88 | 4.90 |  |  |  | Y |  |  |
| 1895 | 45-JE-216 | 1.7 | 24.97 | 13.20 | 7.41 |  |  |  | N |  |  |



| 1935 | 45-JE-216 | 3.9 | 31.37 | 12.76 | 9.92 |  |  |  | Y |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1936 | 45-JE-216 | 0.2 | 11.94 | 9.82 | 2.04 |  |  |  | Y |  |  |
| 1937 | 45-JE-216 | 0.3 | 16.37 | 6.76 | 3.03 |  |  |  | N |  |  |
| 1938 | 45-JE-216 | 14.3 | 53.81 | 35.11 | 8.94 |  |  |  | Y |  |  |
| 1939 | 45-JE-216 | 2.7 | 34.16 | 17.32 | 5.30 |  |  |  | Y |  |  |
| 1940 | 45-JE-216 | 2.6 | 25.04 | 14.62 | 6.52 |  |  |  | Y |  |  |
| 1941 | 45-JE-216 | 0.6 | 15.68 | 10.54 | 4.72 |  |  |  | Y |  |  |
| 1942 | 45-JE-216 | 6.0 | 59.25 | 27.38 | 3.04 | UFT | HBF | N | N | W | Dorsal surface unmodified, concave base |
| 1943 | 45-JE-216 | 41.5 | 43.45 | 40.60 | 28.63 | CCT | MDC |  | Y |  |  |
| 1944 | 45-JE-216 | 0.3 | 11.98 | 10.10 | 2.53 |  |  |  | N |  |  |
| 1945 | 45-JE-216 | 12.6 | 42.22 | 36.63 | 8.48 | UFT | RUF | Y | N |  |  |
| 1946 | 45-JE-216 | 0.3 | 14.92 | 9.73 | 2.70 |  |  |  | Y |  |  |
| 1947 | 45-JE-216 | 0.8 | 15.75 | 13.33 | 3.59 |  |  |  | N |  |  |
| 1948 | 45-JE-216 | 2.1 | 26.74 | 13.15 | 6.81 | UFT | UTF | N | N |  |  |
| 1949 | 45-JE-216 | 3.5 | 18.90 | 12.97 | 11.25 |  |  |  | Y |  |  |
| 1950 | 45-JE-216 | 4.7 | 34.71 | 20.17 | 8.66 |  |  |  | Y |  |  |
| 1951 | 45-JE-216 | 2.1 | 29.60 | 16.70 | 4.37 | UFT | UTF | N | N |  |  |
| 1952 | 45-JE-216 | 0.8 | 16.35 | 12.75 | 4.43 |  |  |  | Y |  |  |
| 1953 | 45-JE-216 | 0.9 | 19.55 | 12.49 | 3.89 |  |  |  | N |  |  |
| 1954 | 45-JE-216 | 0.4 | 15.99 | 10.52 | 3.07 |  |  |  | N |  |  |
| 1955 | 45-JE-216 | 0.3 | 15.11 | 7.25 | 3.25 |  |  |  | N |  |  |
| 1956 | 45-JE-216 | 1.3 | 23.13 | 17.56 | 4.60 |  |  |  | Y |  |  |
| 1957 | 45-JE-216 | 4.5 | 33.38 | 20.73 | 9.81 | BFT | BFF | Y | N |  |  |
| 1958 | 45-JE-216 | 0.5 | 18.68 | 10.50 | 3.41 |  |  |  | N |  |  |
| 1959 | 45-JE-216 | 0.4 | 13.83 | 12.08 | 3.31 |  |  |  | N |  |  |
| 1960 | 45-JE-216 | 0.2 | 15.17 | 7.67 | 2.56 |  |  |  | Y |  |  |
| 1961 | 45-JE-216 | 0.3 | 15.16 | 5.19 | 5.00 |  |  |  | N |  |  |
| 1962 | 45-JE-216 | 0.3 | 17.69 | 5.31 | 5.01 |  |  |  | N |  |  |
| 1963 | 45-JE-216 | 0.2 | 9.91 | 7.72 | 3.10 |  |  |  | N |  |  |
| 1964 | 45-JE-216 | 0.6 | 17.02 | 11.75 | 4.03 |  |  |  | N |  |  |
| 1965 | 45-JE-216 | 0.3 | 14.85 | 8.80 | 2.71 |  |  |  | N |  |  |
| 1966 | 45-JE-216 | 1.0 | 22.34 | 11.58 | 6.27 |  |  |  | N |  |  |
| 1967 | 45-JE-216 | 5.5 | 35.06 | 21.13 | 7.96 |  |  |  | Y |  |  |
| 1968 | 45-JE-216 | 1.5 | 20.88 | 14.29 | 4.75 |  |  |  | Y |  |  |
| 1969 | 45-JE-216 | 0.3 | 13.25 | 8.89 | 3.63 |  |  |  | N |  |  |
| 1970 | 45-JE-216 | 0.1 | 14.71 | 6.98 | 1.49 |  |  |  | N |  |  |
| 1971 | 45-JE-216 | 0.5 | 21.31 | 8.09 | 5.76 |  |  |  | N |  |  |
| 1972 | 45-JE-216 | 0.7 | 16.21 | 11.87 | 3.41 |  |  |  | Y |  |  |




| 2051 | 45-JE-216 | 93.0 | 91.70 | 79.70 | 97.4 | BFT | BFF | Y | N |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2052 | 45-JE-216 | 2.4 | 24.46 | 16.52 | 6.55 |  |  |  | Y |  |  |
| 2053 | 45-JE-216 | 5.3 | 26.21 | 18.90 | 12.17 |  |  |  | Y |  |  |
| 2054 | 45-JE-216 | 2.0 | 19.75 | 19.35 | 6.18 |  |  |  | N |  |  |
| 2055 | 45-JE-216 | 3.7 | 27.88 | 25.00 | 6.56 |  |  |  | N |  |  |
| 2056 | 45-JE-216 | 0.9 | 26.47 | 12.63 | 4.21 |  |  |  | N |  |  |
| 2057 | 45-JE-216 | 5.5 | 39.19 | 26.04 | 5.58 |  |  |  | Y |  |  |
| 2058 | 45-JE-216 | 22.0 | 38.50 | 30.15 | 19.35 |  |  |  | Y |  |  |
| 2059 | 45-JE-216 | 9.4 | 27.22 | 22.51 | 20.32 | CCT | BPC |  | Y |  |  |
| 2060 | 45-JE-216 | 1.5 | 22.85 | 12.54 | 6.08 |  |  |  | Y |  |  |
| 2061 | 45-JE-216 | 7.5 | 43.30 | 27.48 | 4.85 |  |  |  | Y |  |  |
| 2062 | 45-JE-216 | 1.7 | 27.54 | 22.66 | 3.35 |  |  |  | N | $\begin{aligned} & \text { Group } \\ & 6 \text { FGV } \\ & \hline \end{aligned}$ |  |
| 2063 | 45-JE-216 | 0.6 | 21.46 | 8.68 | 4.21 |  |  |  | Y |  |  |
| 2064 | 45-JE-216 | 0.6 | 16.01 | 9.61 | 5.16 |  |  |  | N |  |  |
| 2065 | 45-JE-216 | 2.7 | 22.77 | 18.82 | 6.60 | UFT | UTF | N | Y |  |  |
| 2066 | 45-JE-216 | 1.4 | 29.70 | 12.39 | 5.05 |  |  |  | N |  |  |
| 2067 | 45-JE-216 | 0.3 | 13.42 | 7.88 | 2.00 |  |  |  | N |  |  |
| 2068 | 45-JE-216 | 0.4 | 16.49 | 11.01 | 2.58 |  |  |  | Y |  |  |
| 2069 | 45-JE-216 | 0.1 | 12.01 | 6.24 | 1.30 |  |  |  | N |  |  |
| 2070 | 45-JE-216 | 6.4 | 30.14 | 15.28 | 13.65 |  |  |  | Y |  |  |
| 2071 | 45-JE-216 | 1.7 | 26.52 | 11.26 | 6.70 | UFT | UTF | N | N |  |  |
| 2072 | 45-JE-216 | 1.3 | 22.68 | 15.87 | 5.64 |  |  |  | Y |  |  |
| 2073 | 45-JE-216 | 0.1 | 10.20 | 6.83 | 1.36 |  |  |  | N |  |  |
| 2074 | 45-JE-216 | 0.3 | 15.09 | 7.74 | 2.52 |  |  |  | Y |  |  |
| 2075 | 45-JE-216 | 1.5 | 20.20 | 14.91 | 5.54 |  |  |  | N |  |  |
| 2076 | 45-JE-216 | 2.5 | 24.14 | 17.60 | 5.73 |  |  |  | N |  |  |
| 2077 | 45-JE-216 | 0.9 | 18.09 | 11.06 | 5.04 |  |  |  | N |  |  |
| 2078 | 45-JE-216 | 5.5 | 38.26 | 22.99 | 5.84 | UFT | UTF | N | Y |  |  |
| 2079 | 45-JE-216 | 0.3 | 13.43 | 10.35 | 1.92 |  |  |  | N |  |  |
| 2080 | 45-JE-216 | 0.6 | 14.92 | 12.53 | 3.85 |  |  |  | Y |  |  |
| 2081 | 45-JE-216 | 3.9 | 32.88 | 22.86 | 5.78 |  |  |  | Y |  |  |
| 2082 | 45-JE-216 | 2.0 | 20.12 | 15.72 | 6.36 |  |  |  | Y |  |  |
| 2083 | 45-JE-216 | 1.4 | 23.14 | 14.76 | 3.97 |  |  |  | N |  |  |
| 2084 | 45-JE-216 | 7.0 | 36.37 | 22.10 | 16.20 |  |  |  | Y |  |  |
| 2085 | 45-JE-216 | 650 | $\begin{aligned} & 115.6 \\ & 8 \\ & \hline \end{aligned}$ | 87.40 | 71.69 | CCT | MDC |  | Y |  | Both Bipolar and MDC core |
| 2086 | 45-JE-216 | 8.3 | 65.08 | 19.35 | 6.89 | UFT | UTF | N | N |  | Red metasediment, on the long axis of a blade |
| 2087 | 45-JE-216 | 7.8 | 28.80 | 23.17 | 11.44 | UFT | RUF | Y | N |  |  |
| 2088 | 45-JE-216 | 1.0 | 23.61 | 8.00 | 7.12 |  |  |  | N |  |  |





| 2206 | $45-$ CA-257 | 4.5 | 33.59 | 22.70 | 7.24 |  |  |  | N |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2207 | $45-C A-257$ | 0.5 | 16.45 | 13.08 | 2.95 |  |  |  | Y |  |  |  |
| 2208 | $45-$ CA-257 | 1.2 | 24.51 | 14.67 | 3.36 |  |  |  | N |  |  |  |


[^0]:    Percent of material type given in parentheses

