

COLORADO RIVER RECOVERY PROGRAM  
FY 2016 ANNUAL PROJECT REPORT

RECOVERY PROGRAM  
PROJECT NUMBER: FR165

I. Project Title: Use of Stewart Lake floodplain by larval and adult endangered fishes

II. Bureau of Reclamation Agreement Number(s): #R14AP00007

Project/Grant Period: Start date (Mo/Day/Yr): 05/01/2014  
End date: (Mo/Day/Yr): 09/30/2018  
Reporting period end date: 09/30/2016  
Is this the final report? Yes \_\_\_\_\_ No  X

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IV. Abstract:

Razorback Sucker larval drift coincides with high flows during spring runoff, allowing for entrainment in warm, productive floodplain nursery habitats essential for recruitment. Using floodgate structures to control flows and picket weirs to exclude large-bodied nonnative fishes, Stewart Lake was filled to beyond capacity in 2016 during the larval drift phase. After a three month inundation period ending on 19 September, 2,110 age-0 Razorback Suckers, along with 18 age-1 Colorado Pikeminnow and nine age-0 Bonytail, were sampled returning to the Green River during draining of the wetland that continued through mid-October. In this fifth season of Larval Trigger Study Plan operations, Stewart Lake offers an effective model for managing wetlands to support recovery of three species of endangered native fishes.

V. Study Schedule: FY2012–FY2018

VI. Relationship to RIPRAP:

GENERAL RECOVERY PROGRAM SUPPORT ACTION PLAN

- II.A.1. Conduct inventory of flooded bottomlands habitat for potential restoration.
- V. Monitor populations and habitat and conduct research to support recovery actions (research, monitoring, and data management).

GREEN RIVER ACTION PLAN

- I.A.3.d.1. Conduct real-time larval razorback and Colorado pikeminnow sampling to guide Flaming Gorge operations.
- I.D.1. Develop study plan to evaluate flow recommendations.
- I.D.1.a. Evaluate survival of young and movement of sub-adult razorback suckers from floodplains into the mainstem in response to flows.
- II.A.2. Acquire interest in high-priority flooded bottomland habitats between Ouray NWR and Jensen to benefit endangered fish.
- II.A.2.a. Identify and evaluate sites.
- V. Monitor populations and habitat and conduct research to support recovery actions (research, monitoring, and data management).
- V.A. Conduct research to acquire life history information and enhance scientific techniques required to complete recovery actions.

VII. Accomplishment of FY 2016 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

**Task 1: Install, operate and maintain a picket weir in the Stewart Lake outlet: May 31-June 14, 2016**

In late September, 2015, a new gate was installed by Bureau of Reclamation engineers at the Stewart Lake outlet structure. Until this point, only one unidirectional gate existed at the outlet channel, and it was designed for draining exclusively, creating difficulties when it became advantageous to fill the wetland from the outlet canal under Larval Trigger Study Plan (LTSP; Larval Trigger Study Plan Ad Hoc Committee 2012) operations. To address this problem, a new gate was added between the river and the old gate, creating a dual-gate configuration, with gates designed to open toward each other. During filling, the new gate opens toward the wetland and lets in river water, which spills over the top of the old gate, lying horizontally on the bottom. This configuration is reversed during draining, when the old gate releases wetland water that flows over the top of the horizontally lying new gate. Because the new gate reduces the space available within the concrete structure for attachment of picket weirs and fish traps, a concrete pad was extended about eight feet into the outlet channel, allowing us to shift weir and traps toward the river. Early in the 2016 filling phase, the old outlet gate became buoyant and was pushed upright by inflowing water, briefly stopping flow until it could be lowered toward the wetland. To prevent this from happening again with either gate, Bureau of Reclamation engineers fabricated removable aluminum footers for each gate that anchor to the outlet channel bridge, holding the gates down against the floor of the channel. One such footer was successfully used during draining in 2016 to hold down the new gate.

Installation of the weir and a newly designed fish trap for the 2016 fill was delayed by two early pulses of Yampa River runoff, in mid- and late-April, which produced a head of river water against the new outlet gate, and through groundwater seepage contributed to a standing pool of water in the entire length of the dredged channels in the wetland. A final drop in spring river flows in early-May provided shallow enough water in the outlet channel to install a picket weir and the experimental fish trap (constructed from a chain-link fence dog kennel), intended to capture adult native fishes--which have shown aversion to entering our previous trap design--in order to transfer them into the wetland to

the exclusion of adult nonnatives. This configuration of weir and trap represents the latest iteration of a design, evolving since 2013, to achieve selective nonnative exclusion from a wetland after high densities of adult carp caused a die-off in the first year of LTSP operations (Breen and Skorupski 2012). By 4 May 2016 this trap and an exclusionary aluminum-rod picket weir were installed (Figure 1).

Light trapping for Razorback Sucker larvae in the middle Green River by the Green River Basin Fish & Wildlife Conservation Office (GRBFWCO; Project #22f) detected the first larvae on 28 May 2016, twenty days later than in 2015. As per the LTSP, the Bureau of Reclamation began stepping up Green River releases from Flaming Gorge Dam on 31 May 2016, reaching a 6,600 cubic feet per second (cfs) target on 2 June 2016 (USGS Greendale gage: 09234500). As Yampa River flows declined, this release was increased to full-bypass (8,600 cfs) on 9 June 2016 and ultimately maintained until 29 June 2016, 10 days longer than planned, to compensate for unexpected Flaming Gorge Reservoir inflows. The instantaneous 2016 Green River spring peak of 21,100 cfs (provisional) at Jensen, Utah (USGS gage: 09261000) was recorded on 12 June 2016. For three consecutive days (11-13 June 2016), mean daily flows at Jensen remained above 20,000 cfs, and for 10 consecutive days (6-15 June 2016) they exceeded 18,000 cfs (Figure 2).

To document larval Razorback Sucker entrainment in Stewart Lake, we (UDWR) deployed a variable number of light traps from 1-13 June 2016. Traps were located in the wetland along the dredged channel leading from the outlet gate (up to 10 traps), in the outlet channel on the river-side of the gates (four traps), and adjacent to levee road breaches (two traps each). Once an adequate sample of presumptive Razorback Sucker larvae were collected from the interior wetland traps and successful entrainment was verified on 6 June, trapping within the wetland was suspended to avoid unnecessary mortalities. Having anecdotally observed last year that Razorback Sucker larval densities seemed lower in 2015 compared to 2014 (Schelly and Breen 2015), we observed in 2016 that seemingly higher capture rates likely reflect higher larval densities. Final identification of larvae in these samples will be determined by the Larval Fish Laboratory (Colorado State University).

Upon field-confirmation of Razorback Sucker larvae staging near the outlet gate by UDWR light-trapping, filling of Stewart Lake began on the afternoon of 31 May 2016 (Figure 2). Green River flows soon became high enough to overtop the two breaches on the Stewart lake levee road, and block nets were installed to exclude adult nonnatives (Figures 3 and 4). A seine-net extension was also installed to increase the height of the picket weir in the outlet gate channel (Figure 5). At the lowest elevation breach, the depth of the inflowing water was >30 cm for many days. Daily adjustments to the block nets and continuous debris removal kept them functioning at fish exclusion most of this time (dozens of adult Common Carp were visible against the net), but there were short periods of partial collapse when Carp (and presumably other species) were able to enter the wetland through the breach. On 9 June 2016, with filling still incomplete and a forecast of declining Green River flows, the inlet gate was opened to allow for modest inflows in addition to those at the levee breaches and the outlet gate so that the wetland level would more quickly equilibrate with the river (achieving maximum fill). Both inlet and outlet gates were closed on the morning of 14 June 2016, upon achieving near-equilibrium

(slight inflow) between river and wetland at the outlet gate and at both levee road breaches. This point represented a maximum wetland depth of 241 cm (7.9 ft) at the outlet gage (newly installed for this season), an above-capacity volume that, once the river dropped, slowly drained back over the breaches until 29 June 2016, on which date an at-capacity fill of 228.6 cm (7.5 ft) was observed.

For the second consecutive year, two Biomark 27" x 13" O.D. flat plate antennas wired to Biomark FS2001F-ISO PIT-tag readers were deployed on 30 May 2016 in the outlet channel (approximately 50 feet from the picket weir) to detect any PIT-tagged fishes attempting to enter the wetland during filling. Low catch rates of adult endangered fishes in a fish trap installed at the outlet channel during previous filling phases (Skorupski et al. 2013, Schelly et al. 2014) led us to deploy antennas in 2015, and the resulting detections demonstrated that with respect to adult endangered native fishes in the Stewart Lake outlet channel, absence of evidence was not evidence of absence (Schelly et al. 2015). In 2016 the antennas detected 40 unique PIT tags (Table 1), compared to 28 unique detections in 2015. Fishes detected attempting to enter the wetland in 2016 included a Colorado Pikeminnow (tagged in 2014 capture event at 470 mm TL), at least 27 Razorback Suckers (representing year classes from 2004 to 2011, with 2008 being the most common), and at least four Bonytail stocked in 2016. Of these fishes, persistent individual Razorbacks were variously detected on three consecutive days, five days apart, and intermittently from 31 May to 13 June, the entire period the antennas were active. Unfortunately, these fishes proved to be as trap averse to our new experimental trap design as to the earlier iteration. No endangered fishes were netted out of the trap during the short period of its operation before it was overtopped by high Green River flows, and it remained completely submerged (and unusable) for most of the filling period.

## **Task 2: Sample the fish community in the Stewart Lake wetland and monitor post-connection water quality and habitat parameters: June 15-September 18, 2016**

Sampling of the Stewart Lake fish community began on 2 August 2016, after waiting approximately one month post-filling for Razorback Sucker larvae to grow to catchable size. In 2015, increasingly dense submergent aquatic macrophyte beds prevented effective seining in Stewart Lake (Schelly et al. 2015). Submergent macrophyte beds appeared to be even more dense and extensive in 2016, and ever-shrinking open water habitat continued to be converted to dense stands of cattails and bulrush (Figures 6 and 7). Consequently, seining was not attempted, and sampling proceeded with only a single directional fyke net with 1/4" mesh and a 50' central wing extending from the middle of the net mouth. In the first overnight set from 2-3 August 2016 (at the point where the dredged outlet channel meets open water, a few hundred meters from the outlet gate), 56 young-of-year (YOY) Razorback Suckers were sampled (52-96 mm TL; mean 67.5 mm TL), along with two PIT-tagged adult Razorback Suckers (3D9.1C2C3F3CA7 and 3D9.1C2D9B09FC) and one PIT-tagged adult Bonytail (3DD.003BC1DDFC). Unfortunately, this sampling resulted in 18 mortalities of Razorback YOY (perhaps as a result of being restricted to an anoxic zone in the bag of the fyke net), and subsequent sampling was curtailed to limited single-day sets of a few hours soak time at the same location (on 4 August, 8 August, and 17 August 2016). Only an additional nine

Razorback YOY were captured during these last three sets, but further mortalities were avoided. Two-hour sets during the middle of the day were largely ineffective, with only single captures of YOY Razorbacks on 4 August and 8 August. Not until a final four-hour soak time that ended after dark on 17 August did the YOY Razorback capture rate increase to seven individuals (49-76 mm TL; mean 58.1 mm TL). No adult endangered fishes were captured after the first overnight net soak. See Table 2 for complete fyke net capture tallies.

Once Stewart Lake levels had dropped noticeably from the at-capacity fill that had stabilized on 26 June 2016, supplemental water delivery to help maintain depth and water quality was requested from the Uintah Water Conservation District in a 12 July 2016 conference call, to begin flowing by 14 July. Supplemental water flows were delivered continuously (with the exception of occasional interruptions during periods of high demand within the system) until about 16 September, just before the start of draining. With the addition of a short flow pulse delivered in the latter stages of draining, 432 acre-feet total of supplemental water was delivered in 2016. To monitor water quality during the inundation period, two mini-DOT (dissolved oxygen and temperature) loggers were deployed in the top third of the water column, one in the deep channel near the outlet gate, and one in shallower water adjacent to the dredged channel in the largest open water habitat. At depth near the outlet gate, cooler temperatures (17-19°C) and very low dissolved oxygen levels (0.11-0.25 mg/L) remained stable, whereas in the shallower open water habitat temperatures ranged from 21.6-23.3°C and dissolved oxygen ranged from 7.3-12.2 mg/L. Probably thanks to supplemental water flows, dissolved oxygen levels in open water habitat were in a somewhat higher range than in 2015 (see Schelly and Breen 2015), and temperatures in shallow habitats were again warm enough to encourage high Razorback Sucker growth rates (Bestgen 2008).

### **Task 3: Sample fishes exiting the Stewart Lake outlet during draw down with a picket weir: September 19-October 19**

In similar fashion to 2014 and 2015, a picket weir and trap box (with 1 cm wire mesh panels and seine attachments to prevent escapement) was installed in the outlet channel to capture fishes exiting the wetland (Figures 8 and 9). Draining through the outlet gate complex began on 19 September 2016, several weeks later than in previous years. This was to allow for a full three months of growth by Razorback Suckers in the wetland following a later fill period in 2016 (see Figure 10); this timeframe is also in line with selenium remediation protocols. Draining was completed on 18 October 2016, after one month of continuous fish trap operation. Factors contributing to this prolonged draining period include sustained high spring peak flows that overfilled the wetland initially, supplemental water delivery during the inundation period, heavy rains during the early stages of draining, and an experimental supplemental flow pulse of ~10 cfs to improve water quality at the very end of draining. This pulse was delivered from 7-11 October 2016, and totaled 36-40 acre-feet (John Hunting, Uintah Water Conservancy District, personal communication). It had the desired effect: a noticeable drop in conductivity (from >1000 S to ~600 S) and improvement in water quality was realized during this period. However, due to the stranding in dense cattails of fishes (mostly Common Carp, but including at least one YOY Razorback and one adult Bonytail) cueing on this flow

signal as the days progressed, its duration should be curtailed if requested for future draining phases.

Fish trap operating protocol was in many respects identical to that of 2015. The removable trap door remained closed for the duration of draining, with the exception of daily cleaning periods--lasting only a few minutes--when it was pulled out to scrape off accumulated debris, including small dead nonnative fishes stuck in the mesh. During these brief cleanings, the outlet gate was closed and flows were reduced to a trickle. Sampling of larger fishes emigrating from the wetland was thus considered to be comprehensive, not just an incomplete snapshot. As for diel emigration patterns, in 2016 the vast majority of Razorback Suckers (and other native species) swam over the gate during the night, and were netted from the trap the following morning. Escapement of smaller bodied fishes (primarily Fathead Minnows and presumptive YOY Bonytail) through the 1 cm mesh in the trap was suggested by higher rates of capture of small fishes during evening netting, but a scarcity of small fishes in the trap in the morning, after accumulation of the overnight catch. Some escapement (or more precisely movement both in and out) was also possible along the edges of the picket weir, as evidenced by scores of larger-bodied age-0 Carp visible on the river side of the trap, and the recapture of 20 PIT-tagged YOY Razorbacks that somehow found their way back into the trap after being released in the river. As in previous years, thousand of fishes--mostly Carp and Fatheads--remained stranded in the wetland and the outlet channel on the final day of draining; an attempt was made to remove as many of these fish as possible by opening the gate completely and driving them into the trap, but this was only partially effective. Through escapement and late-stage trap avoidance, some nonnative seeding of the Green River inevitably took place.

Sampling and handling protocols followed those employed in 2014 and 2015. Because most fish emigration occurred during the night, twice-daily sampling shifts, beginning at ~07:30 and ~16:00, were staffed during draining, with unstaffed periods at midday and overnight. Outflows were adjusted upward at the end of the morning shift and downward at the end of the evening shift, to juggle the dual goals of maximizing release volume while preventing fish injury in the trap during periods of peak emigration. With each net sweep of the trap, native species were segregated and kept in buckets of fresh water, while nonnative species were collected in coolers. Native fishes of larger sizes were scanned for PIT tags, measured (TL), and untagged Razorback Suckers deemed large enough were implanted with PIT tags (1,767 fish total, see Appendix 2). All native fishes were initially released into the outlet channel downstream of the fish trap and weir, and larger adult natives were released here throughout. However, after observing high densities of fish-eating birds (mergansers, herons, and kingfishers) along the full length of the outlet channel on 24 September, a new release protocol for most natives was implemented in the hope of preventing losses to avian predation. From that point on, smaller native fishes, including essentially all Razorbacks, were bucketed to a large backwater at the confluence of the outlet channel with the Green River and released there following a short period of acclimatization. Nonnative fishes were subsampled by volume to estimate total numbers, and then disposed of. After thoroughly mixing the sample, a plastic container was used to scoop a consistent volume of fish from the cooler, and the number of scoops was enumerated. One scoop was poured out and every fish was

identified and counted, and counts from that subsample scoop were multiplied by the total number of scoops taken from the cooler to arrive at an estimate of total fish numbers. In addition, series of at least 20 individuals of each species were measured (TL) during most netting shifts.

With uninterrupted sampling in 2016, the total estimated number of fishes trapped during 30 days of draining was 151,109 (comprising 2,172 natives and 148,937 nonnatives; Table 2; Figures 11-13). Notably, the total estimated number of nonnative fishes was less than half of the 2015 total of 371,876 fishes. Possible explanations include a loss of open water habitat to encroaching macrophytes reducing in-wetland production, a smaller seeding crop of nonnative fishes during filling due to dilution throughout the vast areas flooded by high spring peak flows, or greater effectiveness at nonnative exclusion this year (unlikely). Alternatively, this difference might be an interannual artifact of differential escapement from the weir and fish trap at draining. As in 2015, Green Sunfish again comprised a large proportion of the fish processed at draining (25% in 2016, down from 33% in 2015).

In a coup for the LTSP, the 2016 results for endangered native fishes were by far the best since the study began in 2012. A record number of YOY Razorback Suckers was sampled ( $n = 2,110$ , with  $n = 1,767$  PIT tagged; see Appendix 2), almost three times as many as in 2014, the most successful prior year. This large cohort of wild-spawned Razorbacks emerged from a fish community in which Green Sunfish were still a major component, perhaps refuting our initial 2015 hypothesis that a Green Sunfish explosion might be partly responsible for low Razorback numbers that year. The mean total length of the 2016 Stewart Lake Razorback cohort was 103.3 mm, 6 mm longer than the mean total length in 2014 (Figure 12), once again underscoring the importance of each additional week of inundation for maximum growth.

Surprisingly, crews netting the fish trap on 20 September 2016 captured an age-1 Colorado Pikeminnow, documenting for the first time under LTSP operations use of off-channel wetland habitat by this species. Additional captures over the next two weeks resulted in a total of 18 age-1 Pikeminnow, 17 of which were PIT-tagged (Appendix 1) and released to the river. And for the second consecutive year, hatchery-raised adult Bonytail ( $n = 23$  sampled at draining) entered Stewart Lake and evidently spawned during the inundation period. In 2016, nine specimens of YOY *Gila* sp., tentatively identified as Bonytail, were sampled during draining. A single mortality from this series was preserved in ethanol, and will be sent to the CSU Larval Fish Lab for species confirmation. In sum, the remarkably favorable results obtained for Razorback Suckers, Colorado Pikeminnow, and Bonytail this year at Stewart Lake further advance a successful model of wetland management that will be integral to the recovery of these species.

Additional note: Fall sampling was conducted at Stirrup wetland, but no YOY Razorbacks were detected. These results will be reported in the annual report for Project 164.

#### **Task 4: Data entry, analysis and reporting**

Recovery Program annual progress report submitted in November 2016.

VIII. Additional noteworthy observations:

- As noted above, native fishes exhibited an overwhelming tendency this season to emigrate from the wetland only under cover of darkness; they would accumulate in the trap overnight and be sampled during the morning shift. In contrast to this diel pattern that was consistent across species, notably different larger scale patterns of emigration timing across the 30 day draining phase were observed between species. Most dramatic was the difference between age-1 Pikeminnow, which exited the wetland during the first half of the draining period, and age-0 Razorback Suckers, which exited late in the draining period (consistent with observations from previous seasons), with the majority of individuals exiting only in the last couple days of draining (Figure 13). This non-overlapping pattern complicates any attempt to optimize staffing commitments during draining by looking for phases of minimal native emigration in which sampling frequency could be reduced. It should be noted finally that the five adult Razorbacks sampled at draining all exited the wetland during the first third of the draining period, exhibiting a pattern more like Pikeminnow than age-0 Razorbacks. Bonytail (adult and age-0) emigration alone was fairly uniformly distributed throughout draining.
- Age-1 Pikeminnow sampled at draining exhibited trap aversion even after swimming over the outlet gate, and were sometimes observed swimming into the current upstream of the trap opening. Many individuals were only captured by splashing a long-handled dipnet in front of them and "herding" them into the trap with rapid sweeps.
- Once in the trap, both Razorbacks and Pikeminnow congregated in the sharp corners at the upstream edge, seeking a zero-velocity zone of refuge. Effective capture of fishes from this constricted space usually required climbing into the trap and sweeping the corners with one hand to chase fish into a dip net held in the other hand, positioned to span the gap at the widest point of this v-shaped space.
- Of the 20 recaptured YOY Razorbacks mentioned above (individuals that were PIT tagged during the 2016 draining period, bucketed to the river, and later recaptured in the trap), some were recaptured repeatedly, and one individual was recaptured no less than 3 times in the weeks following tag implantation. These fish had to swim up the several hundred meter outlet channel and find their way through gaps in the weir to be trapped again, demonstrating a persistent attraction to the flow cue coming from their nursery wetland.

IX. Recommendations:

- A supplemental flow pulse to improve water quality for emigrating Razorbacks in the last stages of draining appears to be effective, but in future years it should be restricted to 24 hours duration to minimize fish cueing to the flow and becoming stranded. Continual communication with UWCD during the draining period is advised to insure optimal timing.
- Cattail and Bulrush expansion has reduced open water habitat in Stewart Lake dramatically, putting fish production potential at risk. Miles Hanberg is moving forward with near-term plans to treat a portion of the affected area with aquatic-safe herbicide.

This or another management option should be implemented soon, with an eye toward identifying an effective method to intermittently control these stands.

- Consistent with recent Biology Committee discussions, opportunities should be pursued for expanding the managed wetland model in place at Stewart Lake to additional wetlands. Given the entrainment potential, proximity to spawning sites, and accessibility of Sportsman's Lake, the landowner of this wetland should be contacted to ascertain the feasibility of a cooperative management. Additionally, discussions with BLM partners should continue toward the goal of bringing on line Stirrup and/or Above Brennan as managed wetlands.
- We recommend continuing to extend the inundation period at Stewart Lake into mid September. Not only does a longer inundation period allow fish to grow larger, the cooler temperatures later in the year improved water quality and fish survival during the stress of handling, and made fishes easier to tag.
- The fish trap used at draining should be retrofitted, halving the height to allow for easier access, and creating a rectangular 0-velocity refuge space, without constriction at the corners to allow unimpeded netting. Such a zone of low current will allow for faster draining without fear of injuring native fishes.
- The possibility of raising the two breaches on the Stewart Lake levee road should be explored as a means of increasing wetland capacity, with consideration for limiting factors such as the elevation of existing infrastructure, including drainage pipes and supplemental water delivery pipes.

X. Project Status:

On track and ongoing.

XI. FY 2016 Budget Status

- A. Funds Provided: \$46,082
- B. Funds Expended: \$46,082
- D. Percent of the FY 2016 work completed, and projected costs to complete: 100%
- E. Recovery Program funds spent for publication charges: \$0

XII. Status of Data Submission (Where applicable):

We will submit our data to the Recovery Program database manager in December 2016.

XIII. Signed: Robert C. Schelly                      11/12/16  
Principal Investigator                      Date

XIV. References:

Bestgen, K.R. 2008. Effects of water temperature on growth of razorback sucker larvae. *Western North American Naturalist* 68(1): 15-20.

Breen, M.J. and J.A. Skorupski Jr. 2012. Use of the Stewart Lake floodplain by larval and adult endangered fishes. Annual Report of Utah Division of Wildlife Resources to

- Upper Colorado River Endangered Fish Recovery Program. Denver, CO.
- Larval Trigger Study Plan Ad Hoc Committee. 2012. Study plan to examine the effects of using larval razorback sucker occurrence in the Green River as a trigger for Flaming Gorge Dam peak releases. Upper Colorado River Endangered Fish Recovery Program, Denver, CO.
- Schelly, R.C., and M.J. Breen. 2015. Use of Stewart Lake floodplain by larval and adult endangered fishes. Annual Report of Utah Division of Wildlife Resources to Upper Colorado River Endangered Fish Recovery Program. Denver, CO.
- Schelly, R.C., Herdmann, J.T., and M.J. Breen. 2014. Use of Stewart Lake floodplain by larval and adult endangered fishes. Annual Report of Utah Division of Wildlife Resources to Upper Colorado River Endangered Fish Recovery Program. Denver, CO.
- Skorupski, J.A., Jr., Harding, I., and M.J. Breen. 2013. Use of Stewart Lake floodplain by larval and adult endangered fishes. Annual Report of Utah Division of Wildlife Resources to Upper Colorado River Endangered Fish Recovery Program. Denver, CO.



Figure 1. Aluminum rod picket weir and experimental fish trap (with new outlet gate visible on the right) installed on river-side of the Stewart Lake outlet channel prior to filling in 2016.

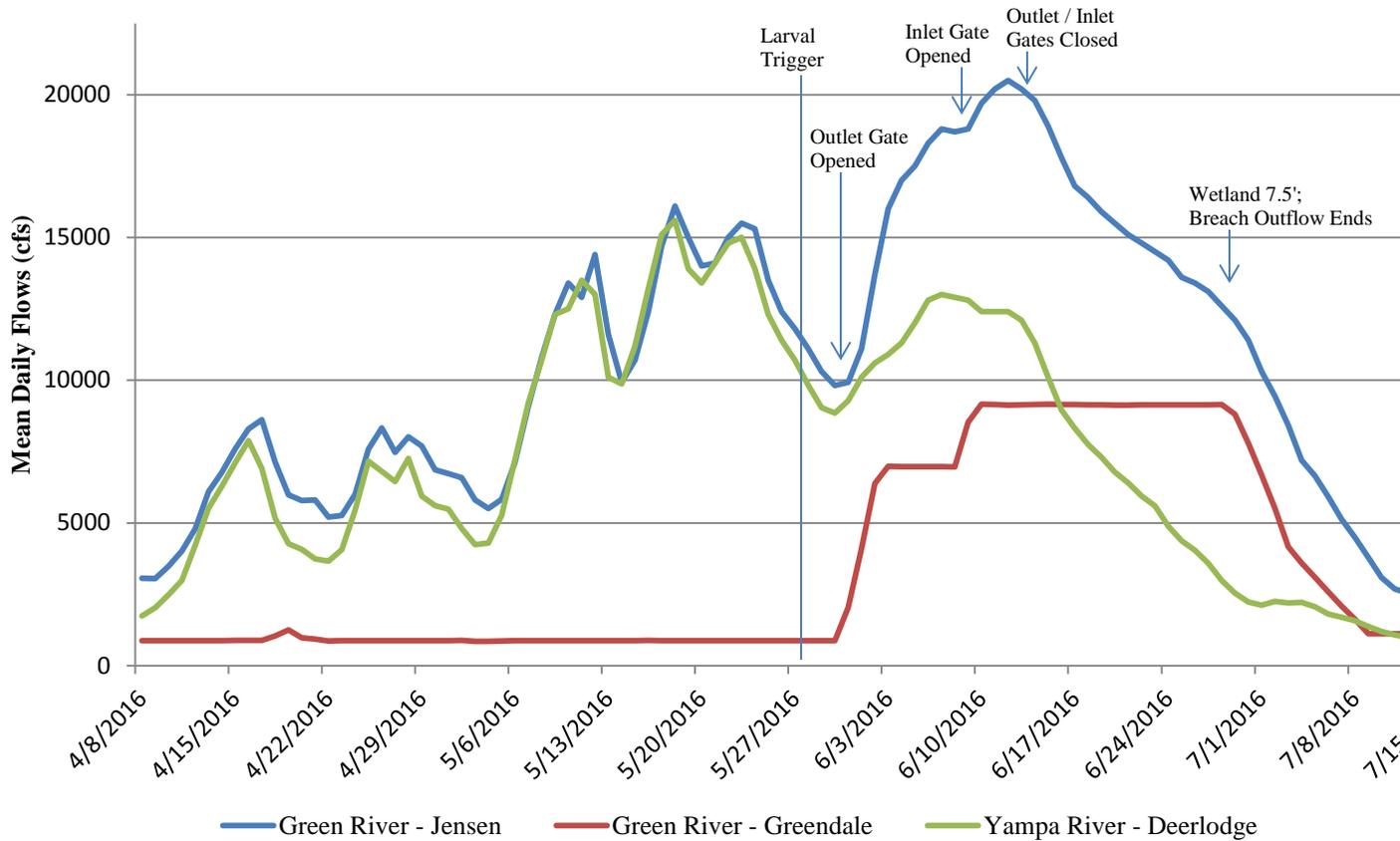


Figure 2. Hydrograph of 2016 spring flows under the Larval Trigger Study Plan, with first detection of drifting Razorback Sucker larvae and the Stewart Lake filling period highlighted. Flow data originates from USGS gages 09261000 (Jensen), 09260050 (Deerlodge), and 09234500 (Greendale).



Figure 3. Block net at lowest-elevation levee road breach during filling of Stewart Lake.



Figure 4. Block net deployed to exclude nonnative fishes at higher-elevation levee road breach during filling of Stewart Lake.



Figure 5. Seine net extension added to extend height of outlet channel picket weir during filling of Stewart Lake, with nearly inundated fish trap visible above.



Figure 6. Emergent and submergent macrophytes in Stewart Lake on 9/1/2016.



Figure 7. Another view of emergent and submergent macrophytes in Stewart Lake on 9/1/2016.



Figure 8. Picket weir and fish trap configuration in outlet structure during 2016 Stewart Lake draining.



Figure 9. Dip net sampling of fishes from outlet trap during 2016 Stewart Lake draining.

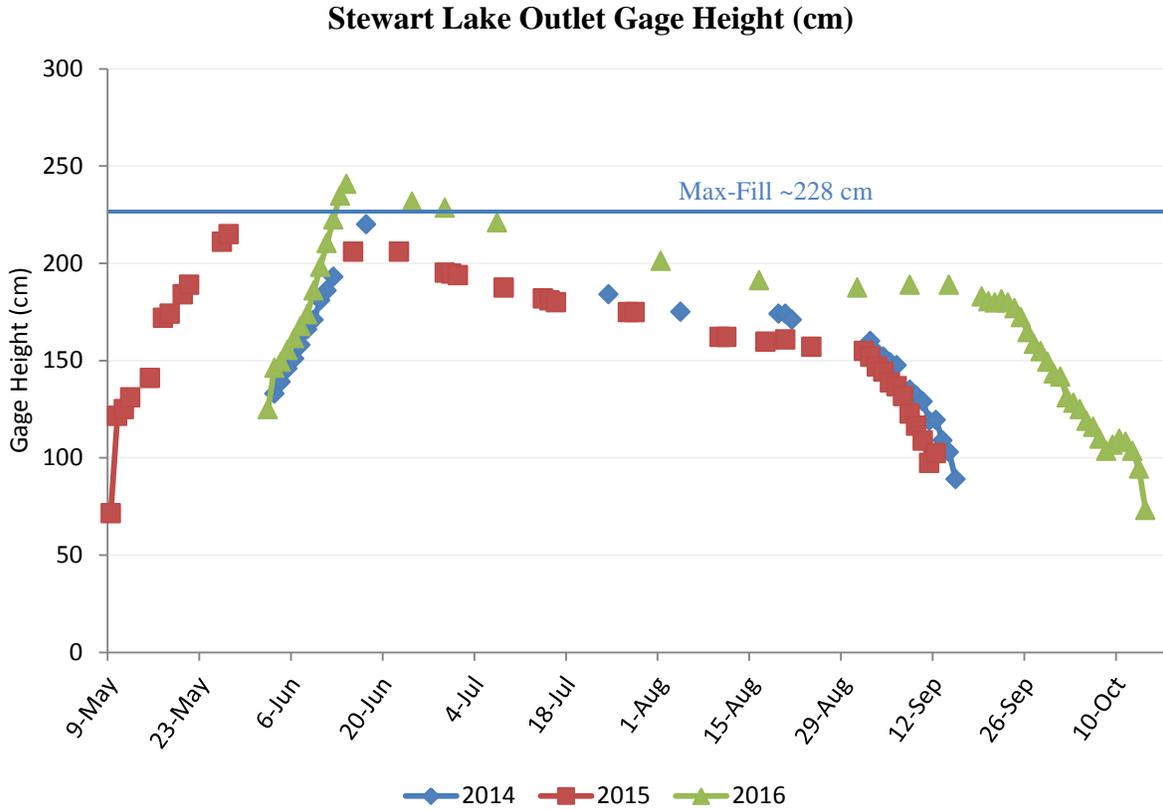


Figure 10. Depth measurements at the Stewart Lake outlet structure during the periods of filling, inundation, and draining in 2014, 2015, and 2016.

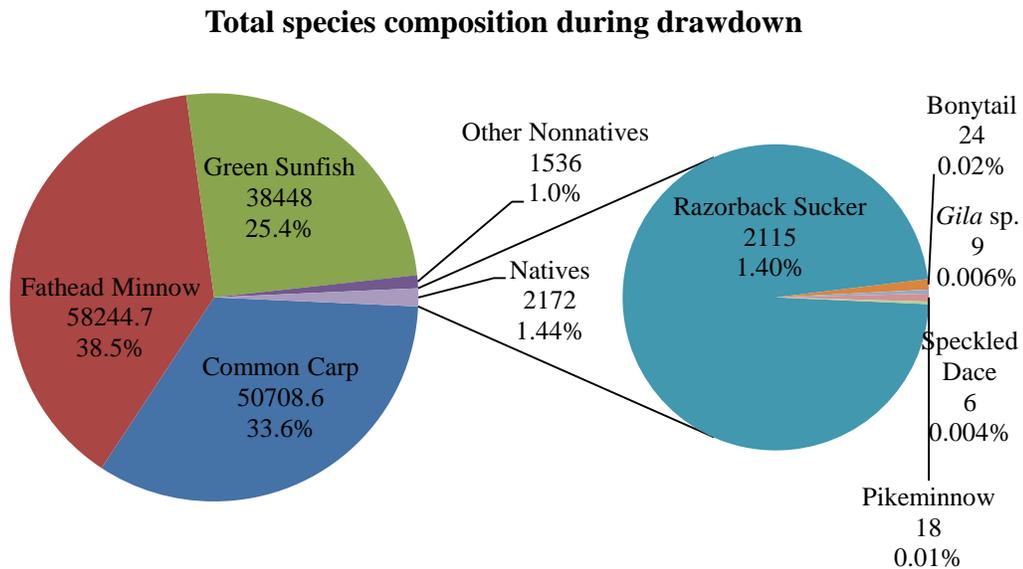


Figure 11. Relative species composition during 2016 Stewart Lake draining for all species (left), with relative composition of native species detailed in the smaller pie (right).

### Length-Frequency Comparison Between 4 Years of Stewart Lake Razorback Classes

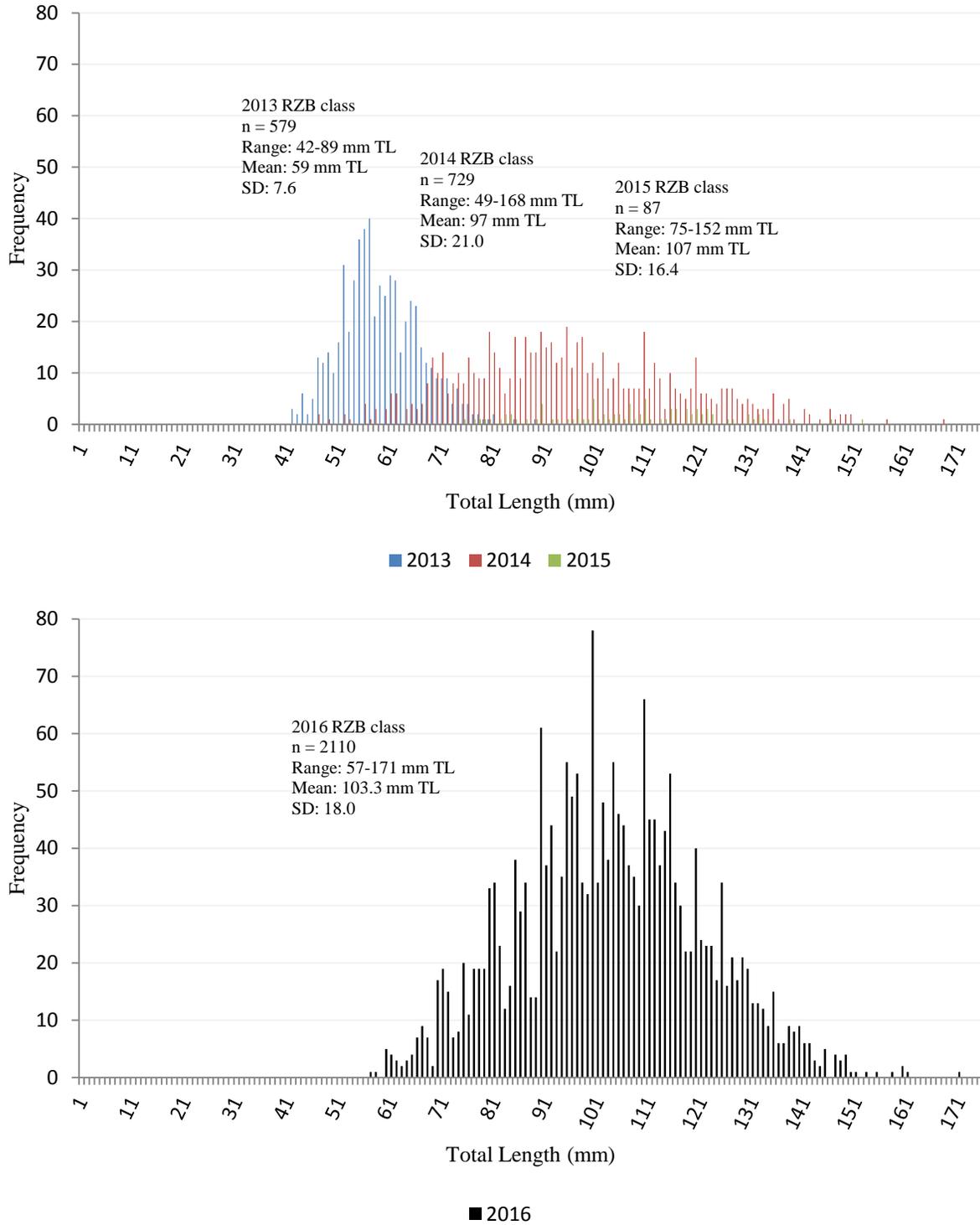


Figure 12. Comparative histogram of Razorback Sucker size classes sampled during Stewart Lake draining in 2013, 2014, 2015, and 2016. Note that only Age-0 fish are included here.

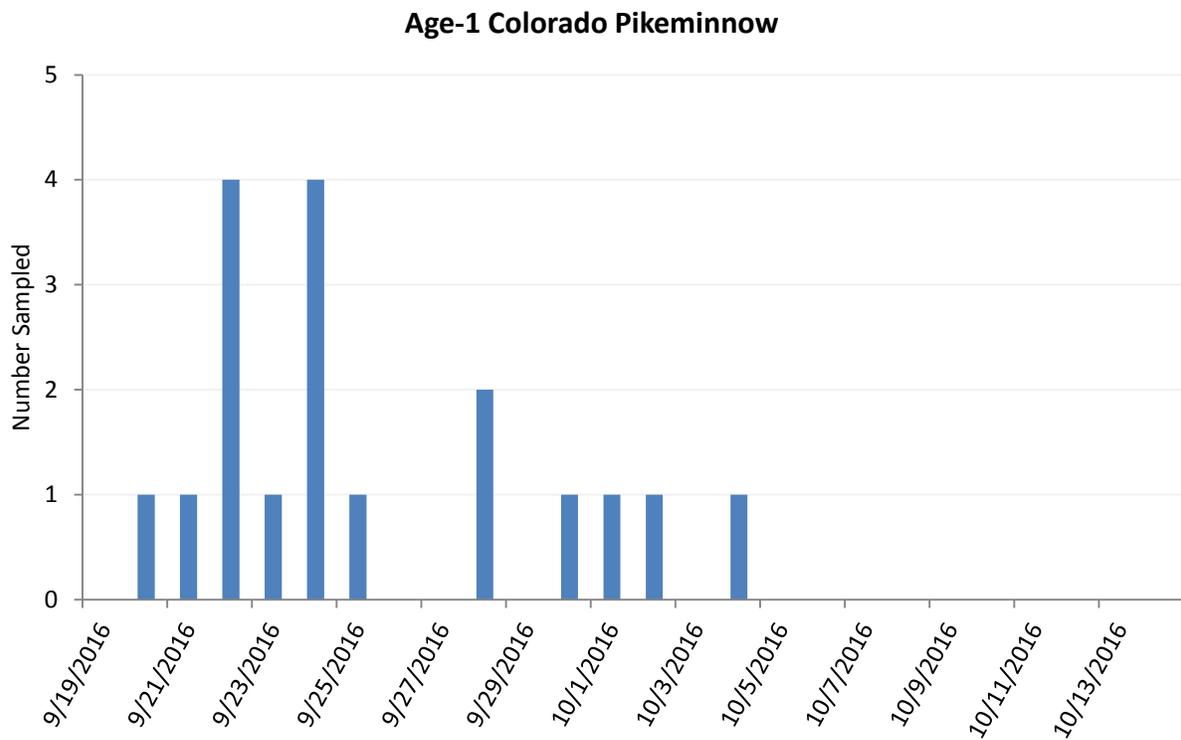
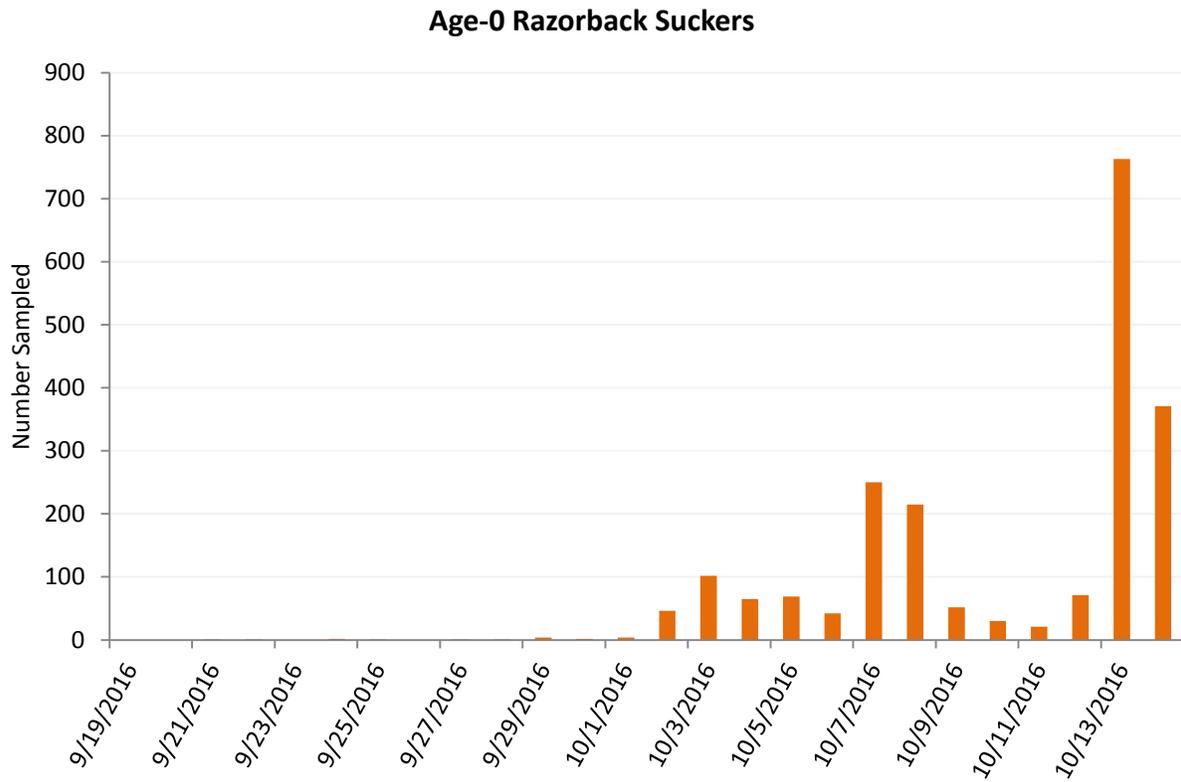


Figure 13. Emigration patterns, evidenced by date of capture in the outlet trap, of Age-0 Razorback Suckers and Age-1 Colorado Pikeminnow during the 2016 draining of Stewart Lake.

Table 1 (First page following). PIT-tags detected by flat-plate antenna deployed in channel leading to Stewart Lake outlet gate during filling of Stewart Lake (antenna operative intermittently from 31 May - 13 June, 2016). Data (for all but Bonytail) retrieved on 9 November 2016 from STReaMS (Species Tagging, Research and Monitoring System) at <https://streamsystem.org/>.

Table 2 (Second page following). Percent composition of various species and their size ranges during the two 2016 Stewart Lake sampling phases: fyke-netting and draining. (Does not include adult Common Carp stranded at the conclusion of draining, totaling approximately 35 individuals.)

134 kHz tag	Species	Year Class	Type	Last Encounter:	
				Year	River
384.3B239825B					
384.3B2398C2A4					
384.3B239961A5					
384.3B23AC9185					
3D9.1BF18DF89D	Razorback Sucker*		capture	2013	Green River
3D9.1BF18E2716	Razorback Sucker		capture	2006	Green River
3D9.1BF18E7B5B	Razorback Sucker		capture	2007	Green River
3D9.1BF19EE18C	Razorback Sucker	2004	capture	2013	Green River
3D9.1BF1D4E600	Razorback Sucker	2004	capture	2006	Green River
3D9.1C2C2D9A5D	Razorback Sucker	2006	capture	2011	Green River
3D9.1C2C2E01D3	Colorado Pikeminnow		capture	2014	Green River
3D9.1C2C3D73C4	Razorback Sucker	2008	stocking	2009	Green River
3D9.1C2C3F28F4	Razorback Sucker	2008	stocking	2009	Green River
3D9.1C2C3F2BD3	Razorback Sucker	2008	capture	2011	Green River
3D9.1C2C415221	Razorback Sucker	2008	stocking	2009	Green River
3D9.1C2C43CAA9	Razorback Sucker	2008	stocking	2009	Green River
3D9.1C2C440850	Razorback Sucker	2008	stocking	2009	Green River
3D9.1C2C445A1C	Razorback Sucker	2008	stocking	2009	Green River
3D9.1C2C53AFBF	Razorback Sucker	2008	detection	2013	Green River
3D9.1C2C53B2F8	Razorback Sucker	2008	stocking	2009	Green River
3D9.1C2C53E2D7	Razorback Sucker	2008	stocking	2009	Green River
3D9.1C2C54067A	Razorback Sucker	2008	stocking	2009	Green River
3D9.1C2C54757A	Razorback Sucker	2008	stocking	2009	Green River
3D9.1C2D153E27	Razorback Sucker		detection	2014	Green River
3D9.1C2D91601B	Razorback Sucker	2010	stocking	2011	Green River
3D9.1C2D99E59D	Razorback Sucker	2010	capture	2012	Green River
3D9.1C2D99EE37					
3D9.1C2D9AA781	Razorback Sucker	2010	stocking	2011	Green River
3D9.1C2D9B0A39	Razorback Sucker	2010	stocking	2011	Green River
3D9.1C2D9E89F3	Razorback Sucker	2009	capture	2012	Green River
3D9.1C2DE22CA8	Razorback Sucker	2011	stocking	2012	Green River
3D9.1C2DE31877	Razorback Sucker	2011	stocking	2012	Green River
3D9.1C2DE34C7C	Razorback Sucker	2011	stocking	2012	Green River
3DD.003BA1A1F1					
3DD.003BC1DD7F	Bonytail		stocking	2016	Green River
3DD.003BC1DD91	Bonytail		stocking	2016	Green River
3DD.003BC1DE83	Bonytail		stocking	2016	Green River
3DD.003BC1DF58	Bonytail		stocking	2016	Green River
3DD.003BCCD56F					
3DD.003BCCD892					

Table 1. PIT tag detections during filling. Full caption on preceding page.

Species	Fyke netting				Draining			
	# Sampled	% Comp.	TL (mm) Mean ± SD	TL (mm) Range	# Sampled	% Comp.	TL (mm) Mean ± SD	TL (mm) Range
Black Bullhead	-	-	-	-	48.5	0.032	141.5 ± 75.9	74-281
Black Crappie	-	-	-	-	1	0.001	59.0	-
Bluegill	-	-	-	-	1	0.001	179	-
Bonytail (Adult)	1	0.007	303.0	-	24	0.016	339.6 ± 40.5	252-458
Brook Stickleback	44.8	0.308	51.8 ± 4.4	44-60	520.5	0.344	53.9 ± 7.2	31-62
<i>Catostomus</i> sp. (native)	-	-	-	-	-	-	-	-
Channel Catfish	-	-	-	-	9	0.006	444.3 ± 148	44-60
Colorado Pikeminnow	-	-	-	-	18	0.012	152.6 ± 12.0	130-180
Common Carp	722.7	4.968	87.9 ± 38.6	38-200	50708.6	33.558	129.2 ± 73.1	16-695
Creek Chub	-	-	-	-	1	0.001	67	-
Fathead Minnow	11976.9	82.342	54.5 ± 7.2	40-71	58244.7	38.545	50.3 ± 9.6	26-74
<i>Gila</i> sp. (YOY)	-	-	-	-	9	0.006	55.7 ± 5.3	45-63
Green Sunfish	1704	11.715	51.6 ± 16.7	29-95	38448.0	25.444	77.2 ± 21.5	35-155
Iowa Darter	1	0.007	51.0	-	41.7	0.028	59.3 ± 9.0	34-89
Northern Pike	-	-	-	-	-	-	-	-
Razorback Sucker (Age-0)	65	0.447	66.4 ± 9.8	49-96	2110	1.396	103.3 ± 18.0	57-171
Razorback Sucker (Age-1)	-	-	-	-	-	-	-	-
Razorback Sucker (Adult)	2	0.014	-	-	5	0.003	469.4 ± 24.5	430-491
Red Shiner	8	0.055	64.1 ± 6.9	55-78	524.8	0.347	60.2 ± 11.6	23-80
Redside Shiner	-	-	-	-	2	0.001	90	-
Sand Shiner	2	0.014	61.5 ± 2.1	60-63	1	0.001	45	-
Speckled Dace	-	-	-	-	6	0.004	50.7 ± 6.0	44-61
White Sucker	20	0.138	160.1 ± 19.3	131-215	385.5	0.255	137.6 ± 56.0	47-254
White Sucker X Flannelmouth	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>14547.4</b>				<b>151109.3</b>			

Table 2. Fish sampling tallies. Full caption on second page preceding.



YOY Razorback Suckers



Age-1 Colorado Pikeminnow



YOY *Gila* sp. (presumptive Bonytail)

Appendix 1. Age-1 Colorado Pikeminnow PIT-tagged during the 2016 draining of Stewart Lake.

PIT tag #	Date	TL (mm)
3DD.003BCC91B8	9/20/2016	160
3DD.003BCC91CA	9/21/2016	152
3DD.003BCC91BC	9/22/2016	142
3DD.003BCC91AF	9/22/2016	150
3DD.003BCC9195	9/22/2016	157
3DD.003BCC919F	9/22/2016	156
3DD.003BCC9179	9/23/2016	130
3DD.003BCC91C9	9/24/2016	180
3DD.003BCC91B3	9/24/2016	135
3DD.003BCC9190	9/24/2016	171
3DD.003BCC919B	9/24/2016	157
3DD.003BCC916D	9/25/2016	141
3DD.003BCC9157	9/28/2016	159
3DD.003BCC91A6	9/30/2016	160
3DD.003BCC918C	10/1/2016	147
3DD.003BCC91C1	10/2/2016	149
3DD.003BCC91E5	10/4/2016	154

Appendix 2. *Following*. PIT tags implanted in YOY Razorback Suckers during the 2016 draining of Stewart Lake.

PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)
3DD.003BBC948A	10/13	90	3DD.003BBE850F	10/13	80	3DD.003BBE854B	10/13	128
3DD.003BBC9492	10/13	100	3DD.003BBE8510	10/13	110	3DD.003BBE854C	10/13	127
3DD.003BBC94B1	10/13	88	3DD.003BBE8511	10/13	99	3DD.003BBE854D	10/13	125
3DD.003BBE84D6	10/13	110	3DD.003BBE8512	10/13	104	3DD.003BBE854E	10/13	104
3DD.003BBE84D7	10/13	94	3DD.003BBE8513	10/13	133	3DD.003BBE854F	10/13	95
3DD.003BBE84D8	10/13	82	3DD.003BBE8514	10/13	83	3DD.003BBE8550	10/13	87
3DD.003BBE84D9	10/13	87	3DD.003BBE8515	10/13	99	3DD.003BBE8551	10/13	85
3DD.003BBE84DA	10/13	128	3DD.003BBE8516	10/13	82	3DD.003BBE8552	10/13	130
3DD.003BBE84DB	10/13	111	3DD.003BBE8517	10/13	95	3DD.003BBE8553	10/13	96
3DD.003BBE84DC	10/13	116	3DD.003BBE8518	10/13	95	3DD.003BBE8554	10/13	91
3DD.003BBE84DD	10/13	94	3DD.003BBE8519	10/13	82	3DD.003BBE8555	10/13	90
3DD.003BBE84DE	10/13	103	3DD.003BBE851B	10/13	100	3DD.003BBE8556	10/13	119
3DD.003BBE84DF	10/13	98	3DD.003BBE851C	10/13	117	3DD.003BBE8557	10/13	86
3DD.003BBE84E0	10/13	113	3DD.003BBE851D	10/13	102	3DD.003BBE8558	10/13	121
3DD.003BBE84E1	10/13	81	3DD.003BBE851E	10/13	86	3DD.003BBE8559	10/13	97
3DD.003BBE84E2	10/13	113	3DD.003BBE851F	10/13	90	3DD.003BBE855A	10/13	97
3DD.003BBE84E3	10/13	102	3DD.003BBE8520	10/13	117	3DD.003BBE855B	10/13	100
3DD.003BBE84E4	10/13	121	3DD.003BBE8521	10/13	110	3DD.003BBE855C	10/13	92
3DD.003BBE84E5	10/13	95	3DD.003BBE8522	10/13	109	3DD.003BBE855D	10/13	106
3DD.003BBE84E6	10/13	125	3DD.003BBE8523	10/13	134	3DD.003BBE855E	10/13	95
3DD.003BBE84E7	10/13	155	3DD.003BBE8524	10/13	139	3DD.003BBE855F	10/13	127
3DD.003BBE84E8	10/13	103	3DD.003BBE8525	10/13	97	3DD.003BBE8560	10/13	84
3DD.003BBE84E9	10/13	122	3DD.003BBE8526	10/13	115	3DD.003BBE8561	10/13	128
3DD.003BBE84EA	10/13	101	3DD.003BBE8527	10/13	89	3DD.003BBE8562	10/13	104
3DD.003BBE84EB	10/13	93	3DD.003BBE8528	10/13	105	3DD.003BBE8563	10/13	100
3DD.003BBE84EC	10/13	105	3DD.003BBE8529	10/13	132	3DD.003BBE8564	10/13	105
3DD.003BBE84ED	10/13	85	3DD.003BBE852A	10/13	131	3DD.003BBE8565	10/13	90
3DD.003BBE84EE	10/13	81	3DD.003BBE852B	10/13	88	3DD.003BBE8566	10/13	113
3DD.003BBE84EF	10/13	113	3DD.003BBE852C	10/13	107	3DD.003BBE8567	10/13	84
3DD.003BBE84F0	10/13	90	3DD.003BBE852D	10/13	87	3DD.003BBE8568	10/13	103
3DD.003BBE84F1	10/13	92	3DD.003BBE852E	10/13	104	3DD.003BBE8569	10/13	93
3DD.003BBE84F2	10/13	105	3DD.003BBE852F	10/13	90	3DD.003BBE856A	10/13	86
3DD.003BBE84F3	10/13	97	3DD.003BBE8530	10/13	137	3DD.003BBE856B	10/13	90
3DD.003BBE84F4	10/13	98	3DD.003BBE8531	10/13	104	3DD.003BBE856C	10/13	92
3DD.003BBE84F5	10/13	80	3DD.003BBE8532	10/13	86	3DD.003BBE856D	10/13	105
3DD.003BBE84F6	10/13	83	3DD.003BBE8533	10/13	97	3DD.003BBE856E	10/13	108
3DD.003BBE84F7	10/13	98	3DD.003BBE8534	10/13	94	3DD.003BBE856F	10/13	100
3DD.003BBE84F8	10/13	86	3DD.003BBE8535	10/13	148	3DD.003BBE8570	10/13	105
3DD.003BBE84F9	10/13	105	3DD.003BBE8536	10/13	101	3DD.003BBE8571	10/13	79
3DD.003BBE84FA	10/13	122	3DD.003BBE8537	10/13	99	3DD.003BBE8572	10/13	99
3DD.003BBE84FB	10/13	106	3DD.003BBE8538	10/13	108	3DD.003BBE8573	10/13	110
3DD.003BBE84FC	10/13	114	3DD.003BBE8539	10/13	96	3DD.003BBE8574	10/13	95
3DD.003BBE84FD	10/13	125	3DD.003BBE853A	10/13	85	3DD.003BBE8575	10/13	115
3DD.003BBE84FF	10/13	122	3DD.003BBE853B	10/13	81	3DD.003BBE8576	10/13	85
3DD.003BBE8500	10/13	117	3DD.003BBE853C	10/13	111	3DD.003BBE8577	10/13	102
3DD.003BBE8501	10/13	100	3DD.003BBE853D	10/13	105	3DD.003BBE8578	10/13	82
3DD.003BBE8502	10/13	96	3DD.003BBE853E	10/13	90	3DD.003BBE8579	10/13	95
3DD.003BBE8503	10/13	109	3DD.003BBE853F	10/13	130	3DD.003BBE857A	10/13	108
3DD.003BBE8504	10/13	85	3DD.003BBE8540	10/13	118	3DD.003BBE857B	10/13	85
3DD.003BBE8505	10/13	86	3DD.003BBE8541	10/13	102	3DD.003BBE857C	10/13	113
3DD.003BBE8506	10/13	100	3DD.003BBE8542	10/13	95	3DD.003BBE857D	10/13	114
3DD.003BBE8507	10/13	94	3DD.003BBE8543	10/13	96	3DD.003BBE857E	10/13	115
3DD.003BBE8508	10/13	109	3DD.003BBE8544	10/13	103	3DD.003BBE857F	10/13	95
3DD.003BBE8509	10/13	81	3DD.003BBE8545	10/13	95	3DD.003BBE8580	10/13	104
3DD.003BBE850A	10/13	118	3DD.003BBE8546	10/13	82	3DD.003BBE8581	10/13	95
3DD.003BBE850B	10/13	99	3DD.003BBE8547	10/13	95	3DD.003BBE8582	10/13	101
3DD.003BBE850C	10/13	87	3DD.003BBE8548	10/13	129	3DD.003BBE8583	10/13	112
3DD.003BBE850D	10/13	86	3DD.003BBE8549	10/13	116	3DD.003BBE8584	10/13	119
3DD.003BBE850E	10/13	96	3DD.003BBE854A	10/13	126	3DD.003BBE8585	10/13	105

PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)
3DD.003BBE8586	10/13	95	3DD.003BBE85C2	10/13	96	3DD.003BBE85FE	10/13	101
3DD.003BBE8587	10/13	98	3DD.003BBE85C3	10/13	107	3DD.003BBE85FF	10/13	107
3DD.003BBE8588	10/13	100	3DD.003BBE85C4	10/13	96	3DD.003BBE8600	10/13	105
3DD.003BBE8589	10/13	107	3DD.003BBE85C5	10/13	91	3DD.003BBE8601	10/13	87
3DD.003BBE858A	10/13	127	3DD.003BBE85C7	10/13	125	3DD.003BBE8602	10/13	97
3DD.003BBE858B	10/13	115	3DD.003BBE85C8	10/13	92	3DD.003BBE8603	10/13	95
3DD.003BBE858C	10/13	101	3DD.003BBE85C9	10/13	90	3DD.003BBE8604	10/13	110
3DD.003BBE858D	10/13	120	3DD.003BBE85CA	10/13	107	3DD.003BBE8605	10/13	97
3DD.003BBE858E	10/13	112	3DD.003BBE85CB	10/13	112	3DD.003BBE8606	10/13	84
3DD.003BBE858F	10/13	102	3DD.003BBE85CC	10/13	98	3DD.003BBE8607	10/13	92
3DD.003BBE8590	10/13	80	3DD.003BBE85CD	10/13	100	3DD.003BBE8608	10/13	122
3DD.003BBE8591	10/13	128	3DD.003BBE85CE	10/13	101	3DD.003BBE8609	10/13	111
3DD.003BBE8592	10/13	87	3DD.003BBE85CF	10/13	99	3DD.003BBE860A	10/13	110
3DD.003BBE8593	10/13	105	3DD.003BBE85D0	10/13	106	3DD.003BBE860B	10/13	115
3DD.003BBE8594	10/13	90	3DD.003BBE85D1	10/13	100	3DD.003BBE860C	10/13	100
3DD.003BBE8595	10/13	85	3DD.003BBE85D2	10/13	134	3DD.003BBE860D	10/13	125
3DD.003BBE8596	10/13	92	3DD.003BBE85D3	10/13	113	3DD.003BBE860E	10/13	92
3DD.003BBE8597	10/13	128	3DD.003BBE85D4	10/13	106	3DD.003BBE860F	10/13	109
3DD.003BBE8598	10/13	102	3DD.003BBE85D5	10/13	102	3DD.003BBE8610	10/13	99
3DD.003BBE8599	10/13	102	3DD.003BBE85D6	10/13	115	3DD.003BBE8611	10/13	111
3DD.003BBE859A	10/13	115	3DD.003BBE85D7	10/13	126	3DD.003BBE8613	10/13	107
3DD.003BBE859B	10/13	108	3DD.003BBE85D8	10/13	91	3DD.003BBE8614	10/13	107
3DD.003BBE859C	10/13	111	3DD.003BBE85D9	10/13	98	3DD.003BBE8615	10/13	96
3DD.003BBE859D	10/13	102	3DD.003BBE85DA	10/13	112	3DD.003BBE8616	10/13	128
3DD.003BBE859E	10/13	92	3DD.003BBE85DB	10/13	141	3DD.003BBE8617	10/13	97
3DD.003BBE859F	10/13	124	3DD.003BBE85DC	10/13	91	3DD.003BBE8618	10/13	105
3DD.003BBE85A0	10/13	114	3DD.003BBE85DD	10/13	110	3DD.003BBE8619	10/13	120
3DD.003BBE85A1	10/13	107	3DD.003BBE85DE	10/13	113	3DD.003BBE861A	10/13	116
3DD.003BBE85A2	10/13	92	3DD.003BBE85DF	10/13	92	3DD.003BBE861B	10/13	91
3DD.003BBE85A3	10/13	130	3DD.003BBE85E0	10/13	96	3DD.003BBE861E	10/13	128
3DD.003BBE85A4	10/13	101	3DD.003BBE85E1	10/13	108	3DD.003BBE861F	10/13	110
3DD.003BBE85A5	10/13	104	3DD.003BBE85E2	10/13	89	3DD.003BBE8620	10/13	98
3DD.003BBE85A6	10/13	97	3DD.003BBE85E3	10/13	111	3DD.003BBE8621	10/13	94
3DD.003BBE85A7	10/13	114	3DD.003BBE85E4	10/13	110	3DD.003BBE8622	10/13	93
3DD.003BBE85A8	10/13	102	3DD.003BBE85E5	10/13	99	3DD.003BBE8623	10/13	104
3DD.003BBE85A9	10/13	110	3DD.003BBE85E6	10/13	95	3DD.003BBE8624	10/13	111
3DD.003BBE85AA	10/13	102	3DD.003BBE85E7	10/13	106	3DD.003BBE8625	10/13	106
3DD.003BBE85AB	10/13	90	3DD.003BBE85E8	10/13	94	3DD.003BBE8626	10/13	131
3DD.003BBE85AC	10/13	108	3DD.003BBE85E9	10/13	89	3DD.003BBE8627	10/13	94
3DD.003BBE85AD	10/13	105	3DD.003BBE85EA	10/13	92	3DD.003BBE8628	10/13	106
3DD.003BBE85AE	10/13	97	3DD.003BBE85EB	10/13	102	3DD.003BBE8629	10/13	88
3DD.003BBE85AF	10/13	95	3DD.003BBE85EC	10/13	86	3DD.003BBE862A	10/13	97
3DD.003BBE85B0	10/13	91	3DD.003BBE85ED	10/13	99	3DD.003BBE862B	10/13	90
3DD.003BBE85B1	10/13	85	3DD.003BBE85EE	10/13	90	3DD.003BBE862C	10/13	100
3DD.003BBE85B2	10/13	92	3DD.003BBE85EF	10/13	122	3DD.003BBE862D	10/13	130
3DD.003BBE85B3	10/13	100	3DD.003BBE85F0	10/13	102	3DD.003BBE862E	10/13	86
3DD.003BBE85B4	10/13	114	3DD.003BBE85F1	10/13	99	3DD.003BBE862F	10/13	93
3DD.003BBE85B5	10/13	90	3DD.003BBE85F2	10/13	105	3DD.003BBE8630	10/13	108
3DD.003BBE85B6	10/13	114	3DD.003BBE85F3	10/13	94	3DD.003BBE8631	10/13	107
3DD.003BBE85B7	10/13	115	3DD.003BBE85F4	10/13	91	3DD.003BBE8632	10/13	95
3DD.003BBE85B8	10/13	106	3DD.003BBE85F5	10/13	113	3DD.003BBE8633	10/13	127
3DD.003BBE85B9	10/13	147	3DD.003BBE85F6	10/13	114	3DD.003BBE8634	10/13	85
3DD.003BBE85BA	10/13	129	3DD.003BBE85F7	10/13	98	3DD.003BBE8635	10/13	111
3DD.003BBE85BC	10/13	91	3DD.003BBE85F8	10/13	103	3DD.003BBE8636	10/13	137
3DD.003BBE85BD	10/13	101	3DD.003BBE85F9	10/13	100	3DD.003BBE8637	10/13	92
3DD.003BBE85BE	10/13	113	3DD.003BBE85FA	10/13	91	3DD.003BBE8638	10/13	110
3DD.003BBE85BF	10/13	99	3DD.003BBE85FB	10/13	109	3DD.003BBE8639	10/13	135
3DD.003BBE85C0	10/13	114	3DD.003BBE85FC	10/13	96	3DD.003BBE863A	10/13	91
3DD.003BBE85C1	10/13	93	3DD.003BBE85FD	10/13	85	3DD.003BBE863B	10/13	99

PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)
3DD.003BBE863C	10/13	103	3DD.003BBE8677	10/13	124	3DD.003BBE86B2	10/13	112
3DD.003BBE863D	10/13	115	3DD.003BBE8678	10/13	104	3DD.003BBE86B3	10/13	110
3DD.003BBE863E	10/13	98	3DD.003BBE8679	10/13	126	3DD.003BBE86B4	10/13	106
3DD.003BBE863F	10/13	101	3DD.003BBE867A	10/13	100	3DD.003BBE86B5	10/13	110
3DD.003BBE8640	10/13	86	3DD.003BBE867B	10/13	115	3DD.003BBE86B6	10/13	101
3DD.003BBE8641	10/13	95	3DD.003BBE867C	10/13	91	3DD.003BBE86B7	10/13	103
3DD.003BBE8642	10/13	104	3DD.003BBE867D	10/13	110	3DD.003BBE86B8	10/13	96
3DD.003BBE8643	10/13	88	3DD.003BBE867E	10/13	91	3DD.003BBE86B9	10/13	100
3DD.003BBE8644	10/13	126	3DD.003BBE867F	10/13	104	3DD.003BBE86BA	10/13	114
3DD.003BBE8645	10/13	109	3DD.003BBE8680	10/13	91	3DD.003BBE86BC	10/13	110
3DD.003BBE8646	10/13	91	3DD.003BBE8681	10/13	99	3DD.003BBE86BD	10/13	104
3DD.003BBE8647	10/13	85	3DD.003BBE8682	10/13	91	3DD.003BBE86BE	10/13	90
3DD.003BBE8648	10/13	111	3DD.003BBE8683	10/13	130	3DD.003BBE86BF	10/13	114
3DD.003BBE8649	10/13	97	3DD.003BBE8684	10/13	110	3DD.003BBE86C0	10/13	102
3DD.003BBE864A	10/13	107	3DD.003BBE8685	10/13	111	3DD.003BBE86C1	10/13	96
3DD.003BBE864B	10/13	137	3DD.003BBE8686	10/13	97	3DD.003BBE86C2	10/13	107
3DD.003BBE864C	10/13	105	3DD.003BBE8687	10/13	115	3DD.003BBE86C3	10/13	101
3DD.003BBE864D	10/13	98	3DD.003BBE8688	10/13	144	3DD.003BBE86C4	10/13	96
3DD.003BBE864E	10/13	97	3DD.003BBE8689	10/13	90	3DD.003BBE86C5	10/13	120
3DD.003BBE864F	10/13	102	3DD.003BBE868A	10/13	91	3DD.003BBE86C6	10/13	89
3DD.003BBE8650	10/13	100	3DD.003BBE868B	10/13	135	3DD.003BBE86C7	10/13	101
3DD.003BBE8651	10/13	96	3DD.003BBE868C	10/13	85	3DD.003BBE86C8	10/13	125
3DD.003BBE8652	10/13	87	3DD.003BBE868D	10/13	136	3DD.003BBE86C9	10/13	90
3DD.003BBE8653	10/13	100	3DD.003BBE868E	10/13	106	3DD.003BBE86CA	10/14	91
3DD.003BBE8654	10/13	96	3DD.003BBE868F	10/13	96	3DD.003BBE86CB	10/13	107
3DD.003BBE8655	10/13	108	3DD.003BBE8690	10/13	99	3DD.003BBE86CC	10/13	124
3DD.003BBE8656	10/13	116	3DD.003BBE8691	10/13	91	3DD.003BBE86CD	10/14	107
3DD.003BBE8657	10/13	94	3DD.003BBE8692	10/13	113	3DD.003BBE86CF	10/14	107
3DD.003BBE8658	10/13	101	3DD.003BBE8693	10/13	106	3DD.003BBE86D0	10/13	127
3DD.003BBE8659	10/13	123	3DD.003BBE8694	10/13	110	3DD.003BBE86D1	10/14	109
3DD.003BBE865A	10/13	93	3DD.003BBE8695	10/13	105	3DD.003BBE86D2	10/13	138
3DD.003BBE865B	10/13	104	3DD.003BBE8696	10/13	98	3DD.003BBE86D3	10/14	97
3DD.003BBE865C	10/13	96	3DD.003BBE8697	10/13	96	3DD.003BBE86D4	10/14	95
3DD.003BBE865D	10/13	87	3DD.003BBE8698	10/13	110	3DD.003BBE86D5	10/14	110
3DD.003BBE865E	10/13	121	3DD.003BBE8699	10/13	94	3DD.003BBE86D6	10/14	123
3DD.003BBE865F	10/13	111	3DD.003BBE869A	10/13	90	3DD.003BBE86D7	10/14	111
3DD.003BBE8660	10/13	87	3DD.003BBE869B	10/13	106	3DD.003BBE86D8	10/14	90
3DD.003BBE8661	10/13	115	3DD.003BBE869C	10/13	115	3DD.003BBE86D9	10/13	95
3DD.003BBE8662	10/13	96	3DD.003BBE869D	10/13	90	3DD.003BBE86DA	10/14	115
3DD.003BBE8663	10/13	89	3DD.003BBE869E	10/13	103	3DD.003BBE86DB	10/14	125
3DD.003BBE8664	10/13	98	3DD.003BBE869F	10/13	100	3DD.003BBE86DC	10/14	121
3DD.003BBE8665	10/13	106	3DD.003BBE86A0	10/13	109	3DD.003BBE86DD	10/14	153
3DD.003BBE8666	10/13	101	3DD.003BBE86A1	10/13	96	3DD.003BBE86DE	10/13	119
3DD.003BBE8667	10/13	94	3DD.003BBE86A2	10/13	95	3DD.003BBE86DF	10/14	114
3DD.003BBE8668	10/13	101	3DD.003BBE86A3	10/13	100	3DD.003BBE86E0	10/14	96
3DD.003BBE8669	10/13	100	3DD.003BBE86A4	10/13	104	3DD.003BBE86E1	10/14	110
3DD.003BBE866A	10/13	104	3DD.003BBE86A5	10/13	102	3DD.003BBE86E2	10/14	125
3DD.003BBE866B	10/13	92	3DD.003BBE86A6	10/13	90	3DD.003BBE86E3	10/14	110
3DD.003BBE866C	10/13	112	3DD.003BBE86A7	10/13	96	3DD.003BBE86E4	10/14	100
3DD.003BBE866D	10/13	103	3DD.003BBE86A8	10/13	112	3DD.003BBE86E5	10/14	112
3DD.003BBE866E	10/13	104	3DD.003BBE86A9	10/13	104	3DD.003BBE86E6	10/14	116
3DD.003BBE866F	10/13	100	3DD.003BBE86AA	10/13	90	3DD.003BBE86E7	10/14	115
3DD.003BBE8670	10/13	110	3DD.003BBE86AB	10/13	122	3DD.003BBE86E8	10/14	133
3DD.003BBE8671	10/13	100	3DD.003BBE86AC	10/13	104	3DD.003BBE86E9	10/14	112
3DD.003BBE8672	10/13	94	3DD.003BBE86AD	10/13	100	3DD.003BBE86EA	10/13	89
3DD.003BBE8673	10/13	100	3DD.003BBE86AE	10/13	102	3DD.003BBE86EB	10/13	141
3DD.003BBE8674	10/13	110	3DD.003BBE86AF	10/13	90	3DD.003BBE86EC	10/14	104
3DD.003BBE8675	10/13	96	3DD.003BBE86B0	10/13	110	3DD.003BBE86ED	10/13	129
3DD.003BBE8676	10/13	131	3DD.003BBE86B1	10/13	91	3DD.003BBE86EE	10/14	112

PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)
3DD.003BBE86EF	10/14	99	3DD.003BBE872C	10/13	91	3DD.003BBE8769	10/13	130
3DD.003BBE86F0	10/13	85	3DD.003BBE872D	10/14	92	3DD.003BBE876A	10/14	142
3DD.003BBE86F1	10/13	112	3DD.003BBE872E	10/14	80	3DD.003BBE876B	10/14	140
3DD.003BBE86F2	10/14	121	3DD.003BBE872F	10/14	104	3DD.003BBE876C	10/14	90
3DD.003BBE86F3	10/14	105	3DD.003BBE8730	10/14	87	3DD.003BBE876D	10/14	92
3DD.003BBE86F4	10/14	83	3DD.003BBE8731	10/14	130	3DD.003BBE876E	10/13	110
3DD.003BBE86F5	10/14	110	3DD.003BBE8732	10/14	105	3DD.003BBE876F	10/13	112
3DD.003BBE86F6	10/13	114	3DD.003BBE8733	10/14	88	3DD.003BBE8770	10/13	99
3DD.003BBE86F7	10/14	102	3DD.003BBE8734	10/14	90	3DD.003BBE8772	10/13	126
3DD.003BBE86F8	10/14	125	3DD.003BBE8735	10/13	91	3DD.003BBE8773	10/14	107
3DD.003BBE86F9	10/14	116	3DD.003BBE8736	10/14	92	3DD.003BBE8774	10/14	128
3DD.003BBE86FA	10/14	100	3DD.003BBE8737	10/14	120	3DD.003BBE8775	10/14	106
3DD.003BBE86FB	10/13	87	3DD.003BBE8738	10/13	113	3DD.003BBE8777	10/13	91
3DD.003BBE86FD	10/14	119	3DD.003BBE8739	10/14	98	3DD.003BBE8778	10/14	100
3DD.003BBE86FE	10/14	94	3DD.003BBE873A	10/14	127	3DD.003BBE8779	10/13	90
3DD.003BBE86FF	10/14	106	3DD.003BBE873B	10/14	104	3DD.003BBE877A	10/14	103
3DD.003BBE8701	10/14	100	3DD.003BBE873C	10/13	100	3DD.003BBE877B	10/14	100
3DD.003BBE8702	10/13	132	3DD.003BBE873D	10/13	89	3DD.003BBE877C	10/14	107
3DD.003BBE8703	10/13	120	3DD.003BBE873E	10/13	94	3DD.003BBE877D	10/14	106
3DD.003BBE8704	10/13	89	3DD.003BBE873F	10/14	92	3DD.003BBE877E	10/13	110
3DD.003BBE8705	10/14	115	3DD.003BBE8740	10/14	110	3DD.003BBE877F	10/13	110
3DD.003BBE8706	10/14	108	3DD.003BBE8741	10/14	87	3DD.003BBE8780	10/14	114
3DD.003BBE8707	10/14	107	3DD.003BBE8743	10/13	95	3DD.003BBE8781	10/14	86
3DD.003BBE8708	10/14	118	3DD.003BBE8744	10/14	84	3DD.003BBE8782	10/14	116
3DD.003BBE8709	10/14	112	3DD.003BBE8745	10/13	110	3DD.003BBE8783	10/13	127
3DD.003BBE870A	10/14	100	3DD.003BBE8746	10/14	92	3DD.003BBE8784	10/13	110
3DD.003BBE870B	10/14	123	3DD.003BBE8747	10/14	95	3DD.003BBE8785	10/13	110
3DD.003BBE870C	10/14	112	3DD.003BBE8748	10/14	111	3DD.003BBE8786	10/13	107
3DD.003BBE870D	10/14	97	3DD.003BBE8749	10/14	125	3DD.003BBE8787	10/13	86
3DD.003BBE870E	10/13	110	3DD.003BBE874A	10/14	113	3DD.003BBE8788	10/13	134
3DD.003BBE870F	10/13	116	3DD.003BBE874B	10/13	90	3DD.003BBE8789	10/14	84
3DD.003BBE8710	10/14	107	3DD.003BBE874C	10/14	123	3DD.003BBE878A	10/13	102
3DD.003BBE8711	10/13	105	3DD.003BBE874D	10/13	85	3DD.003BBE878B	10/13	90
3DD.003BBE8712	10/14	115	3DD.003BBE874E	10/14	135	3DD.003BBE878C	10/14	87
3DD.003BBE8713	10/14	131	3DD.003BBE874F	10/14	94	3DD.003BBE878D	10/13	97
3DD.003BBE8714	10/13	106	3DD.003BBE8750	10/14	107	3DD.003BBE878E	10/13	100
3DD.003BBE8715	10/14	90	3DD.003BBE8751	10/13	100	3DD.003BBE878F	10/14	101
3DD.003BBE8716	10/14	97	3DD.003BBE8752	10/14	122	3DD.003BBE8790	10/14	98
3DD.003BBE8717	10/14	92	3DD.003BBE8753	10/13	90	3DD.003BBE8791	10/13	100
3DD.003BBE8718	10/14	132	3DD.003BBE8754	10/14	102	3DD.003BBE8792	10/14	94
3DD.003BBE8719	10/14	97	3DD.003BBE8755	10/13	87	3DD.003BBE8793	10/14	88
3DD.003BBE871A	10/13	132	3DD.003BBE8756	10/14	90	3DD.003BBE8794	10/14	86
3DD.003BBE871B	10/14	105	3DD.003BBE8757	10/14	112	3DD.003BBE8795	10/14	90
3DD.003BBE871C	10/14	97	3DD.003BBE8758	10/14	85	3DD.003BBE8796	10/14	85
3DD.003BBE871D	10/13	114	3DD.003BBE8759	10/14	85	3DD.003BBE8797	10/14	129
3DD.003BBE871E	10/13	130	3DD.003BBE875A	10/13	100	3DD.003BBE8798	10/14	106
3DD.003BBE871F	10/14	100	3DD.003BBE875B	10/13	93	3DD.003BBE8799	10/14	110
3DD.003BBE8720	10/13	105	3DD.003BBE875C	10/13	94	3DD.003BBE879A	10/14	96
3DD.003BBE8721	10/14	97	3DD.003BBE875D	10/14	86	3DD.003BBE879B	10/14	104
3DD.003BBE8722	10/14	122	3DD.003BBE875E	10/13	90	3DD.003BBE879C	10/14	105
3DD.003BBE8723	10/13	103	3DD.003BBE875F	10/14	132	3DD.003BBE879D	10/14	86
3DD.003BBE8724	10/14	86	3DD.003BBE8760	10/13	114	3DD.003BBE879E	10/14	106
3DD.003BBE8725	10/14	112	3DD.003BBE8761	10/13	105	3DD.003BBE879F	10/14	119
3DD.003BBE8726	10/13	96	3DD.003BBE8762	10/13	125	3DD.003BBE87A0	10/14	95
3DD.003BBE8727	10/14	87	3DD.003BBE8763	10/13	133	3DD.003BBE87A1	10/14	106
3DD.003BBE8728	10/14	103	3DD.003BBE8765	10/13	115	3DD.003BBE87A2	10/14	90
3DD.003BBE8729	10/14	108	3DD.003BBE8766	10/14	124	3DD.003BBE87A3	10/14	95
3DD.003BBE872A	10/13	126	3DD.003BBE8767	10/14	94	3DD.003BBE87A4	10/14	131
3DD.003BBE872B	10/13	92	3DD.003BBE8768	10/14	96	3DD.003BBE87A5	10/14	116

PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)
3DD.003BBE87A6	10/14	96	3DD.003BBE87E1	10/14	116	3DD.003BBE8896	10/14	96
3DD.003BBE87A7	10/14	100	3DD.003BBE87E2	10/14	92	3DD.003BBE8899	10/14	100
3DD.003BBE87A8	10/14	114	3DD.003BBE87E3	10/14	95	3DD.003BBE889A	10/14	150
3DD.003BBE87A9	10/14	116	3DD.003BBE87E4	10/14	96	3DD.003BBE889B	10/14	117
3DD.003BBE87AA	10/14	94	3DD.003BBE87E5	10/14	104	3DD.003BBE889D	10/14	120
3DD.003BBE87AB	10/14	98	3DD.003BBE87E6	10/14	111	3DD.003BBE889E	10/14	89
3DD.003BBE87AC	10/14	85	3DD.003BBE87E7	10/14	112	3DD.003BBE889F	10/14	103
3DD.003BBE87AD	10/14	91	3DD.003BBE87E8	10/14	111	3DD.003BBE88A0	10/14	106
3DD.003BBE87AE	10/14	97	3DD.003BBE87E9	10/14	92	3DD.003BBE88A1	10/14	95
3DD.003BBE87AF	10/14	113	3DD.003BBE87EA	10/14	95	3DD.003BBE88A2	10/14	110
3DD.003BBE87B0	10/14	122	3DD.003BBE87EB	10/14	113	3DD.003BBE88A3	10/19	78
3DD.003BBE87B1	10/14	108	3DD.003BBE87EC	10/14	121	3DD.003BBE88A6	10/14	120
3DD.003BBE87B2	10/14	100	3DD.003BBE87ED	10/14	96	3DD.003BBE88A7	10/14	116
3DD.003BBE87B3	10/14	141	3DD.003BBE87EE	10/14	109	3DD.003BBE88A8	10/14	110
3DD.003BBE87B4	10/14	100	3DD.003BBE87EF	10/14	134	3DD.003BBE88A9	10/18	125
3DD.003BBE87B5	10/14	100	3DD.003BBE87F0	10/14	121	3DD.003BBE88AB	10/14	92
3DD.003BBE87B6	10/14	104	3DD.003BBE87F1	10/14	124	3DD.003BBE88AD	10/14	98
3DD.003BBE87B7	10/14	102	3DD.003BBE87F2	10/14	99	3DD.003BBE88AF	10/14	110
3DD.003BBE87B8	10/14	104	3DD.003BBE87F3	10/14	94	3DD.003BBE88B0	10/14	108
3DD.003BBE87B9	10/14	101	3DD.003BBE87F4	10/14	89	3DD.003BBE88B1	10/14	119
3DD.003BBE87BA	10/14	135	3DD.003BBE87F5	10/14	92	3DD.003BBE88B5	10/14	104
3DD.003BBE87BB	10/14	161	3DD.003BBE885D	10/14	124	3DD.003BBE88B7	10/14	84
3DD.003BBE87BC	10/14	104	3DD.003BBE885F	10/14	123	3DD.003BBE88B8	10/14	100
3DD.003BBE87BD	10/14	109	3DD.003BBE8861	10/18	94	3DD.003BBE88BC	10/14	99
3DD.003BBE87BE	10/14	105	3DD.003BBE8862	10/14	114	3DD.003BBE88BD	10/14	100
3DD.003BBE87BF	10/14	92	3DD.003BBE8864	10/14	90	3DD.003BCC9105	10/2	125
3DD.003BBE87C0	10/14	127	3DD.003BBE8865	10/14	102	3DD.003BCC9107	10/2	140
3DD.003BBE87C1	10/14	133	3DD.003BBE886A	10/14	85	3DD.003BCC9108	10/2	121
3DD.003BBE87C2	10/14	117	3DD.003BBE886B	10/14	104	3DD.003BCC9109	10/2	139
3DD.003BBE87C3	10/14	95	3DD.003BBE886C	10/14	120	3DD.003BCC910A	10/2	136
3DD.003BBE87C4	10/14	94	3DD.003BBE886D	10/14	97	3DD.003BCC910C	10/2	116
3DD.003BBE87C5	10/14	93	3DD.003BBE8870	10/14	87	3DD.003BCC910E	10/2	114
3DD.003BBE87C6	10/14	95	3DD.003BBE8872	10/14	113	3DD.003BCC910F	10/2	141
3DD.003BBE87C7	10/14	98	3DD.003BBE8873	10/14	108	3DD.003BCC9110	10/2	111
3DD.003BBE87C8	10/14	125	3DD.003BBE8874	10/18	91	3DD.003BCC9113	10/2	129
3DD.003BBE87C9	10/14	104	3DD.003BBE8875	10/14	98	3DD.003BCC9114	10/2	129
3DD.003BBE87CA	10/14	104	3DD.003BBE8876	10/14	100	3DD.003BCC9117	10/2	106
3DD.003BBE87CB	10/14	122	3DD.003BBE8879	10/14	147	3DD.003BCC9118	10/2	110
3DD.003BBE87CC	10/14	87	3DD.003BBE887A	10/14	96	3DD.003BCC9119	10/2	129
3DD.003BBE87CD	10/14	100	3DD.003BBE887B	10/14	104	3DD.003BCC911B	10/2	94
3DD.003BBE87CE	10/14	125	3DD.003BBE887E	10/14	115	3DD.003BCC911D	10/2	97
3DD.003BBE87CF	10/14	144	3DD.003BBE887F	10/14	115	3DD.003BCC911F	10/2	145
3DD.003BBE87D0	10/14	92	3DD.003BBE8880	10/19	91	3DD.003BCC9124	10/2	120
3DD.003BBE87D1	10/14	98	3DD.003BBE8881	10/14	92	3DD.003BCC9127	10/2	120
3DD.003BBE87D2	10/14	104	3DD.003BBE8882	10/14	97	3DD.003BCC9129	10/2	130
3DD.003BBE87D3	10/14	118	3DD.003BBE8883	10/14	122	3DD.003BCC912C	10/2	115
3DD.003BBE87D4	10/14	111	3DD.003BBE8885	10/14	86	3DD.003BCC912D	10/2	103
3DD.003BBE87D5	10/14	103	3DD.003BBE8886	10/14	117	3DD.003BCC912F	10/2	106
3DD.003BBE87D6	10/14	127	3DD.003BBE8887	10/14	86	3DD.003BCC9131	10/2	149
3DD.003BBE87D7	10/14	98	3DD.003BBE8888	10/18	91	3DD.003BCC9133	10/2	104
3DD.003BBE87D8	10/14	130	3DD.003BBE8889	10/18	100	3DD.003BCC9137	10/2	124
3DD.003BBE87D9	10/14	125	3DD.003BBE888A	10/14	97	3DD.003BCC913A	10/2	120
3DD.003BBE87DA	10/14	95	3DD.003BBE888B	10/14	127	3DD.003BCC913B	10/2	126
3DD.003BBE87DB	10/14	109	3DD.003BBE888C	10/14	94	3DD.003BCC913C	10/2	129
3DD.003BBE87DC	10/14	90	3DD.003BBE888F	10/14	115	3DD.003BCC9143	10/2	105
3DD.003BBE87DD	10/14	127	3DD.003BBE8890	10/18	95	3DD.003BCC9146	10/2	142
3DD.003BBE87DE	10/14	96	3DD.003BBE8891	10/14	124	3DD.003BCC9147	10/2	130
3DD.003BBE87DF	10/14	110	3DD.003BBE8894	10/19	105	3DD.003BCC914A	10/2	110
3DD.003BBE87E0	10/14	114	3DD.003BBE8895	10/14	85	3DD.003BCC9156	10/2	139

PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)
3DD.003BCC9165	10/2	135	3DD.003BCC91AA	10/3	128	3DD.003BCC91ED	10/4	129
3DD.003BCC9168	10/3	96	3DD.003BCC91AB	10/2	96	3DD.003BCC91EE	10/4	142
3DD.003BCC9169	10/3	136	3DD.003BCC91AC	9/29	119	3DD.003BCC91EF	10/4	103
3DD.003BCC916A	10/3	91	3DD.003BCC91AD	10/3	123	3DD.003BCC91F0	10/3	117
3DD.003BCC916B	10/3	116	3DD.003BCC91AE	10/3	109	3DD.003BCC91F1	10/4	122
3DD.003BCC916C	10/3	117	3DD.003BCC91B0	9/29	117	3DD.003BCC91F2	10/4	112
3DD.003BCC916E	10/3	121	3DD.003BCC91B1	10/3	160	3DD.003BCC91F3	10/4	131
3DD.003BCC916F	10/3	103	3DD.003BCC91B2	10/3	102	3DD.003BCC91F4	10/4	108
3DD.003BCC9170	10/3	114	3DD.003BCC91B4	10/3	115	3DD.003BCC91F5	10/3	114
3DD.003BCC9171	9/30	105	3DD.003BCC91B5	10/3	140	3DD.003BCC91F6	10/4	142
3DD.003BCC9172	10/3	113	3DD.003BCC91B6	10/3	135	3DD.003BCC91F7	10/4	129
3DD.003BCC9173	10/1	131	3DD.003BCC91B7	10/1	140	3DD.003BCC91F8	10/3	122
3DD.003BCC9174	10/3	100	3DD.003BCC91B9	10/3	104	3DD.003BCC91F9	10/3	110
3DD.003BCC9175	10/3	95	3DD.003BCC91BA	10/3	131	3DD.003BCC91FA	10/4	121
3DD.003BCC9176	10/3	99	3DD.003BCC91BB	10/3	120	3DD.003BCC91FB	10/4	122
3DD.003BCC9177	10/2	107	3DD.003BCC91BD	10/3	113	3DD.003BCC91FC	10/4	112
3DD.003BCC9178	10/2	97	3DD.003BCC91BE	10/3	123	3DD.003BCC91FD	10/3	123
3DD.003BCC917A	10/3	110	3DD.003BCC91BF	9/25	125	3DD.003BCC91FE	10/4	96
3DD.003BCC917B	10/3	125	3DD.003BCC91C0	9/21	104	3DD.003BCC91FF	10/4	124
3DD.003BCC917C	10/3	136	3DD.003BCC91C2	10/3	113	3DD.003BCC9200	10/4	123
3DD.003BCC917D	10/2	112	3DD.003BCC91C3	10/3	141	3DD.003BCC9201	10/3	110
3DD.003BCC917E	10/3	104	3DD.003BCC91C4	9/30	120	3DD.003BCC9202	10/4	115
3DD.003BCC917F	10/3	100	3DD.003BCC91C5	9/24	117	3DD.003BCC9203	10/5	96
3DD.003BCC9180	10/3	94	3DD.003BCC91C6	9/29	96	3DD.003BCC9204	10/4	105
3DD.003BCC9181	10/2	121	3DD.003BCC91C7	10/3	135	3DD.003BCC9205	10/4	119
3DD.003BCC9182	10/3	111	3DD.003BCC91C8	10/3	100	3DD.003BCC9206	10/5	130
3DD.003BCC9183	10/3	109	3DD.003BCC91CB	10/12	145	3DD.003BCC9207	10/4	93
3DD.003BCC9184	10/3	96	3DD.003BCC91CC	10/4	100	3DD.003BCC9208	10/4	113
3DD.003BCC9185	10/2	127	3DD.003BCC91CD	10/4	115	3DD.003BCC9209	10/4	118
3DD.003BCC9186	10/3	112	3DD.003BCC91CE	10/4	108	3DD.003BCC920A	10/3	120
3DD.003BCC9187	10/3	145	3DD.003BCC91CF	10/4	104	3DD.003BCC920B	10/3	120
3DD.003BCC9188	10/3	109	3DD.003BCC91D0	10/4	125	3DD.003BCC920C	10/3	115
3DD.003BCC9189	10/3	115	3DD.003BCC91D1	10/4	143	3DD.003BCC920E	10/3	115
3DD.003BCC918A	10/3	111	3DD.003BCC91D2	10/4	138	3DD.003BCC920F	10/3	92
3DD.003BCC918B	10/3	114	3DD.003BCC91D3	10/4	118	3DD.003BCC9210	10/3	110
3DD.003BCC918D	10/3	120	3DD.003BCC91D4	10/4	120	3DD.003BCC9211	10/4	108
3DD.003BCC918E	10/3	101	3DD.003BCC91D5	10/4	117	3DD.003BCC9212	10/4	90
3DD.003BCC918F	10/2	140	3DD.003BCC91D6	10/4	99	3DD.003BCC9213	10/4	141
3DD.003BCC9191	10/3	91	3DD.003BCC91D7	10/4	115	3DD.003BCC9214	10/4	123
3DD.003BCC9192	9/29	127	3DD.003BCC91D8	10/4	118	3DD.003BCC9215	10/3	103
3DD.003BCC9193	10/3	95	3DD.003BCC91D9	10/4	124	3DD.003BCC9216	10/4	119
3DD.003BCC9194	10/3	91	3DD.003BCC91DA	10/4	113	3DD.003BCC9217	10/3	119
3DD.003BCC9196	10/3	116	3DD.003BCC91DB	10/4	118	3DD.003BCC9218	10/4	134
3DD.003BCC9197	10/3	110	3DD.003BCC91DC	10/4	85	3DD.003BCC921A	10/3	95
3DD.003BCC9198	10/1	114	3DD.003BCC91DD	10/4	137	3DD.003BCC921B	10/3	158
3DD.003BCC9199	10/3	111	3DD.003BCC91DE	10/4	118	3DD.003BCC921C	10/4	94
3DD.003BCC919A	10/3	138	3DD.003BCC91DF	10/4	120	3DD.003BCC921D	10/3	104
3DD.003BCC919C	10/3	125	3DD.003BCC91E0	10/4	116	3DD.003BCC921E	10/3	133
3DD.003BCC919D	10/3	130	3DD.003BCC91E1	10/4	121	3DD.003BCC921F	10/3	98
3DD.003BCC919E	10/2	87	3DD.003BCC91E2	10/4	116	3DD.003BCC9220	10/4	139
3DD.003BCC91A0	10/3	109	3DD.003BCC91E3	10/4	110	3DD.003BCC9221	10/4	124
3DD.003BCC91A1	10/3	120	3DD.003BCC91E4	10/4	121	3DD.003BCC9222	10/4	104
3DD.003BCC91A2	10/3	110	3DD.003BCC91E6	10/4	120	3DD.003BCC9223	10/3	137
3DD.003BCC91A3	10/3	97	3DD.003BCC91E7	10/4	111	3DD.003BCC9224	10/4	119
3DD.003BCC91A4	10/3	125	3DD.003BCC91E8	10/4	131	3DD.003BCC9225	10/4	130
3DD.003BCC91A5	10/3	109	3DD.003BCC91E9	10/5	132	3DD.003BCC9226	10/4	96
3DD.003BCC91A7	10/3	120	3DD.003BCC91EA	10/5	113	3DD.003BCC9227	10/3	120
3DD.003BCC91A8	10/3	115	3DD.003BCC91EB	10/4	112	3DD.003BCC9228	10/3	91
3DD.003BCC91A9	10/3	100	3DD.003BCC91EC	10/4	110	3DD.003BCC9229	10/3	128

PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)
3DD.003BCC922A	10/3	101	3DD.003BCC9265	10/6	102	3DD.003BCC92A0	10/7	112
3DD.003BCC922B	10/3	132	3DD.003BCC9266	10/6	114	3DD.003BCC92A1	10/7	140
3DD.003BCC922C	10/3	104	3DD.003BCC9267	10/5	95	3DD.003BCC92A2	10/7	103
3DD.003BCC922D	10/3	100	3DD.003BCC9268	10/5	122	3DD.003BCC92A3	10/7	111
3DD.003BCC922E	10/4	105	3DD.003BCC9269	10/5	129	3DD.003BCC92A4	10/7	99
3DD.003BCC922F	10/3	123	3DD.003BCC926A	10/5	119	3DD.003BCC92A5	10/7	106
3DD.003BCC9230	10/6	111	3DD.003BCC926B	10/6	111	3DD.003BCC92A6	10/7	106
3DD.003BCC9231	10/6	132	3DD.003BCC926C	10/5	145	3DD.003BCC92A7	10/7	120
3DD.003BCC9232	10/6	110	3DD.003BCC926D	10/5	125	3DD.003BCC92A8	10/7	116
3DD.003BCC9233	10/6	110	3DD.003BCC926E	10/5	132	3DD.003BCC92A9	10/7	85
3DD.003BCC9234	10/6	119	3DD.003BCC926F	10/5	102	3DD.003BCC92AA	10/7	115
3DD.003BCC9235	10/6	171	3DD.003BCC9270	10/5	139	3DD.003BCC92AB	10/7	103
3DD.003BCC9236	10/6	135	3DD.003BCC9271	10/6	135	3DD.003BCC92AC	10/7	96
3DD.003BCC9237	10/6	131	3DD.003BCC9272	10/5	151	3DD.003BCC92AD	10/7	98
3DD.003BCC9238	10/6	114	3DD.003BCC9273	10/5	113	3DD.003BCC92AE	10/7	110
3DD.003BCC9239	10/6	119	3DD.003BCC9274	10/5	115	3DD.003BCC92AF	10/7	87
3DD.003BCC923A	10/6	103	3DD.003BCC9275	10/5	113	3DD.003BCC92B0	10/7	92
3DD.003BCC923B	10/6	114	3DD.003BCC9276	10/6	127	3DD.003BCC92B1	10/7	108
3DD.003BCC923C	10/5	140	3DD.003BCC9277	10/5	132	3DD.003BCC92B2	10/7	127
3DD.003BCC923D	10/5	113	3DD.003BCC9278	10/5	129	3DD.003BCC92B3	10/7	101
3DD.003BCC923E	10/5	125	3DD.003BCC9279	10/5	111	3DD.003BCC92B4	10/7	95
3DD.003BCC923F	10/5	104	3DD.003BCC927A	10/5	120	3DD.003BCC92B5	10/7	90
3DD.003BCC9240	10/5	109	3DD.003BCC927B	10/6	107	3DD.003BCC92B6	10/7	108
3DD.003BCC9241	10/5	98	3DD.003BCC927C	10/5	126	3DD.003BCC92B7	10/7	120
3DD.003BCC9242	10/6	112	3DD.003BCC927D	10/5	110	3DD.003BCC92B8	10/7	111
3DD.003BCC9243	10/5	106	3DD.003BCC927E	10/5	90	3DD.003BCC92B9	10/7	102
3DD.003BCC9244	10/5	142	3DD.003BCC927F	10/5	108	3DD.003BCC92BA	10/7	119
3DD.003BCC9245	10/5	104	3DD.003BCC9280	10/5	102	3DD.003BCC92BB	10/7	114
3DD.003BCC9246	10/6	106	3DD.003BCC9281	10/5	110	3DD.003BCC92BC	10/7	119
3DD.003BCC9247	10/6	130	3DD.003BCC9282	10/5	110	3DD.003BCC92BD	10/7	108
3DD.003BCC9248	10/6	106	3DD.003BCC9283	10/5	97	3DD.003BCC92BE	10/7	112
3DD.003BCC9249	10/6	119	3DD.003BCC9284	10/5	138	3DD.003BCC92BF	10/7	84
3DD.003BCC924A	10/6	106	3DD.003BCC9285	10/5	145	3DD.003BCC92C0	10/7	143
3DD.003BCC924B	10/6	126	3DD.003BCC9286	10/5	115	3DD.003BCC92C1	10/7	98
3DD.003BCC924C	10/5	111	3DD.003BCC9287	10/5	114	3DD.003BCC92C2	10/7	108
3DD.003BCC924D	10/5	148	3DD.003BCC9288	10/5	114	3DD.003BCC92C3	10/7	118
3DD.003BCC924E	10/5	108	3DD.003BCC9289	10/5	127	3DD.003BCC92C4	10/7	121
3DD.003BCC924F	10/5	111	3DD.003BCC928A	10/6	129	3DD.003BCC92C5	10/7	104
3DD.003BCC9250	10/6	85	3DD.003BCC928B	10/5	133	3DD.003BCC92C6	10/7	115
3DD.003BCC9251	10/5	102	3DD.003BCC928C	10/5	130	3DD.003BCC92C7	10/7	116
3DD.003BCC9252	10/12	118	3DD.003BCC928D	10/5	108	3DD.003BCC92C8	10/7	98
3DD.003BCC9253	10/5	120	3DD.003BCC928E	10/5	125	3DD.003BCC92C9	10/7	111
3DD.003BCC9254	10/6	123	3DD.003BCC928F	10/5	118	3DD.003BCC92CA	10/7	104
3DD.003BCC9255	10/6	87	3DD.003BCC9290	10/5	106	3DD.003BCC92CB	10/7	108
3DD.003BCC9256	10/6	118	3DD.003BCC9291	10/5	100	3DD.003BCC92CC	10/7	110
3DD.003BCC9257	10/5	105	3DD.003BCC9292	10/5	118	3DD.003BCC92CD	10/7	126
3DD.003BCC9258	10/5	129	3DD.003BCC9293	10/6	143	3DD.003BCC92CE	10/7	111
3DD.003BCC9259	10/5	98	3DD.003BCC9294	10/7	110	3DD.003BCC92CF	10/7	101
3DD.003BCC925A	10/6	120	3DD.003BCC9295	10/7	116	3DD.003BCC92D0	10/7	99
3DD.003BCC925B	10/6	92	3DD.003BCC9296	10/7	135	3DD.003BCC92D1	10/7	96
3DD.003BCC925C	10/5	91	3DD.003BCC9297	10/7	103	3DD.003BCC92D2	10/7	117
3DD.003BCC925D	10/13	107	3DD.003BCC9298	10/7	107	3DD.003BCC92D3	10/7	125
3DD.003BCC925E	10/6	100	3DD.003BCC9299	10/7	100	3DD.003BCC92D4	10/7	100
3DD.003BCC925F	10/5	109	3DD.003BCC929A	10/7	134	3DD.003BCC92D5	10/7	109
3DD.003BCC9260	10/5	128	3DD.003BCC929B	10/7	111	3DD.003BCC92D6	10/7	149
3DD.003BCC9261	10/5	102	3DD.003BCC929C	10/7	100	3DD.003BCC92D7	10/7	105
3DD.003BCC9262	10/5	129	3DD.003BCC929D	10/7	89	3DD.003BCC92D8	10/7	90
3DD.003BCC9263	10/6	117	3DD.003BCC929E	10/7	114	3DD.003BCC92D9	10/7	125
3DD.003BCC9264	10/5	114	3DD.003BCC929F	10/7	122	3DD.003BCC92DA	10/7	111

PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)
3DD.003BCC92DB	10/7	111	3DD.003BCC9316	10/7	123	3DD.003BCC9351	10/7	128
3DD.003BCC92DC	10/6	100	3DD.003BCC9317	10/7	126	3DD.003BCC9352	10/7	95
3DD.003BCC92DD	10/6	105	3DD.003BCC9318	10/7	101	3DD.003BCC9353	10/7	121
3DD.003BCC92DE	10/7	116	3DD.003BCC9319	10/7	92	3DD.003BCC9354	10/7	106
3DD.003BCC92DF	10/7	92	3DD.003BCC931A	10/7	118	3DD.003BCC9355	10/7	120
3DD.003BCC92E0	10/7	114	3DD.003BCC931B	10/7	117	3DD.003BCC9356	10/7	91
3DD.003BCC92E1	10/6	104	3DD.003BCC931C	10/7	112	3DD.003BCC9357	10/7	106
3DD.003BCC92E2	10/7	120	3DD.003BCC931D	10/7	94	3DD.003BCC9358	10/7	95
3DD.003BCC92E3	10/7	96	3DD.003BCC931E	10/7	128	3DD.003BCC9359	10/7	120
3DD.003BCC92E4	10/7	119	3DD.003BCC931F	10/7	97	3DD.003BCC935A	10/7	112
3DD.003BCC92E5	10/7	100	3DD.003BCC9320	10/7	103	3DD.003BCC935B	10/7	115
3DD.003BCC92E6	10/7	122	3DD.003BCC9321	10/7	88	3DD.003BCC935C	10/8	94
3DD.003BCC92E7	10/7	123	3DD.003BCC9322	10/7	133	3DD.003BCC935D	10/8	126
3DD.003BCC92E8	10/7	90	3DD.003BCC9323	10/7	110	3DD.003BCC935E	10/8	99
3DD.003BCC92E9	10/6	129	3DD.003BCC9324	10/7	115	3DD.003BCC935F	10/7	112
3DD.003BCC92EA	10/7	140	3DD.003BCC9325	10/7	106	3DD.003BCC9360	10/8	107
3DD.003BCC92EB	10/7	92	3DD.003BCC9326	10/7	94	3DD.003BCC9361	10/8	105
3DD.003BCC92EC	10/7	104	3DD.003BCC9327	10/7	116	3DD.003BCC9362	10/8	117
3DD.003BCC92ED	10/6	85	3DD.003BCC9328	10/7	108	3DD.003BCC9363	10/8	116
3DD.003BCC92EE	10/7	90	3DD.003BCC9329	10/7	99	3DD.003BCC9364	10/8	90
3DD.003BCC92EF	10/7	119	3DD.003BCC932A	10/7	97	3DD.003BCC9365	10/8	109
3DD.003BCC92F0	10/7	101	3DD.003BCC932B	10/7	117	3DD.003BCC9366	10/8	87
3DD.003BCC92F1	10/7	123	3DD.003BCC932C	10/7	97	3DD.003BCC9367	10/8	118
3DD.003BCC92F2	10/7	96	3DD.003BCC932D	10/7	127	3DD.003BCC9368	10/7	106
3DD.003BCC92F3	10/7	110	3DD.003BCC932E	10/7	97	3DD.003BCC9369	10/8	138
3DD.003BCC92F4	10/7	101	3DD.003BCC932F	10/7	111	3DD.003BCC936A	10/7	121
3DD.003BCC92F5	10/6	95	3DD.003BCC9330	10/7	117	3DD.003BCC936B	10/8	93
3DD.003BCC92F6	10/7	108	3DD.003BCC9331	10/7	94	3DD.003BCC936C	10/8	114
3DD.003BCC92F7	10/7	105	3DD.003BCC9332	10/7	102	3DD.003BCC936D	10/7	103
3DD.003BCC92F8	10/7	107	3DD.003BCC9333	10/7	115	3DD.003BCC936E	10/8	117
3DD.003BCC92F9	10/7	116	3DD.003BCC9334	10/7	104	3DD.003BCC936F	10/7	92
3DD.003BCC92FA	10/7	95	3DD.003BCC9335	10/7	127	3DD.003BCC9370	10/8	107
3DD.003BCC92FB	10/7	100	3DD.003BCC9336	10/7	89	3DD.003BCC9371	10/7	113
3DD.003BCC92FC	10/7	110	3DD.003BCC9337	10/7	111	3DD.003BCC9372	10/8	90
3DD.003BCC92FD	10/7	111	3DD.003BCC9338	10/7	108	3DD.003BCC9373	10/8	115
3DD.003BCC92FE	10/7	114	3DD.003BCC9339	10/7	122	3DD.003BCC9374	10/8	138
3DD.003BCC92FF	10/7	126	3DD.003BCC933A	10/7	126	3DD.003BCC9375	10/7	105
3DD.003BCC9300	10/7	114	3DD.003BCC933B	10/7	138	3DD.003BCC9376	10/8	126
3DD.003BCC9301	10/7	102	3DD.003BCC933C	10/7	97	3DD.003BCC9377	10/8	113
3DD.003BCC9302	10/7	116	3DD.003BCC933D	10/7	114	3DD.003BCC9378	10/8	95
3DD.003BCC9303	10/7	92	3DD.003BCC933E	10/7	124	3DD.003BCC9379	10/7	103
3DD.003BCC9304	10/7	105	3DD.003BCC933F	10/7	102	3DD.003BCC937A	10/8	103
3DD.003BCC9305	10/7	88	3DD.003BCC9340	10/7	106	3DD.003BCC937B	10/8	105
3DD.003BCC9306	10/7	100	3DD.003BCC9341	10/7	128	3DD.003BCC937C	10/7	116
3DD.003BCC9307	10/7	112	3DD.003BCC9342	10/7	107	3DD.003BCC937D	10/7	132
3DD.003BCC9308	10/7	98	3DD.003BCC9343	10/7	100	3DD.003BCC937E	10/7	122
3DD.003BCC9309	10/7	101	3DD.003BCC9344	10/7	135	3DD.003BCC937F	10/7	147
3DD.003BCC930A	10/7	98	3DD.003BCC9345	10/7	117	3DD.003BCC9380	10/7	124
3DD.003BCC930B	10/7	93	3DD.003BCC9346	10/7	123	3DD.003BCC9381	10/7	136
3DD.003BCC930C	10/7	120	3DD.003BCC9347	10/7	124	3DD.003BCC9382	10/7	88
3DD.003BCC930D	10/7	103	3DD.003BCC9348	10/7	121	3DD.003BCC9383	10/7	117
3DD.003BCC930E	10/7	106	3DD.003BCC9349	10/7	112	3DD.003BCC9384	10/8	109
3DD.003BCC930F	10/7	82	3DD.003BCC934A	10/7	115	3DD.003BCC9385	10/8	98
3DD.003BCC9310	10/7	106	3DD.003BCC934B	10/7	110	3DD.003BCC9386	10/8	134
3DD.003BCC9311	10/7	114	3DD.003BCC934C	10/7	127	3DD.003BCC9387	10/7	115
3DD.003BCC9312	10/7	97	3DD.003BCC934D	10/7	113	3DD.003BCC9388	10/8	108
3DD.003BCC9313	10/7	93	3DD.003BCC934E	10/7	100	3DD.003BCC9389	10/8	90
3DD.003BCC9314	10/7	129	3DD.003BCC934F	10/7	108	3DD.003BCC938A	10/8	88
3DD.003BCC9315	10/7	101	3DD.003BCC9350	10/7	104	3DD.003BCC938B	10/8	106

PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)
3DD.003BCC938C	10/8	123	3DD.003BCC93C7	10/8	90	3DD.003BCC9402	10/8	102
3DD.003BCC938D	10/7	104	3DD.003BCC93C8	10/8	87	3DD.003BCC9403	10/8	117
3DD.003BCC938E	10/7	112	3DD.003BCC93C9	10/8	103	3DD.003BCC9404	10/8	110
3DD.003BCC938F	10/8	99	3DD.003BCC93CA	10/8	114	3DD.003BCC9405	10/8	106
3DD.003BCC9390	10/7	97	3DD.003BCC93CB	10/8	114	3DD.003BCC9406	10/8	95
3DD.003BCC9391	10/7	117	3DD.003BCC93CC	10/8	95	3DD.003BCC9407	10/8	103
3DD.003BCC9392	10/8	124	3DD.003BCC93CD	10/8	106	3DD.003BCC9408	10/8	111
3DD.003BCC9393	10/7	96	3DD.003BCC93CE	10/8	138	3DD.003BCC9409	10/8	125
3DD.003BCC9394	10/7	107	3DD.003BCC93CF	10/8	106	3DD.003BCC940A	10/8	84
3DD.003BCC9395	10/8	84	3DD.003BCC93D0	10/8	98	3DD.003BCC940B	10/8	92
3DD.003BCC9396	10/8	135	3DD.003BCC93D1	10/8	112	3DD.003BCC940C	10/8	128
3DD.003BCC9397	10/7	101	3DD.003BCC93D2	10/8	87	3DD.003BCC940D	10/8	123
3DD.003BCC9398	10/8	109	3DD.003BCC93D3	10/8	107	3DD.003BCC940E	10/8	108
3DD.003BCC9399	10/7	120	3DD.003BCC93D4	10/8	96	3DD.003BCC940F	10/8	90
3DD.003BCC939A	10/7	104	3DD.003BCC93D5	10/8	102	3DD.003BCC9410	10/8	87
3DD.003BCC939B	10/8	103	3DD.003BCC93D6	10/8	104	3DD.003BCC9411	10/8	102
3DD.003BCC939C	10/7	131	3DD.003BCC93D7	10/8	118	3DD.003BCC9412	10/8	85
3DD.003BCC939D	10/7	117	3DD.003BCC93D8	10/8	115	3DD.003BCC9413	10/8	90
3DD.003BCC939E	10/7	115	3DD.003BCC93D9	10/8	106	3DD.003BCC9414	10/8	104
3DD.003BCC939F	10/8	115	3DD.003BCC93DA	10/8	134	3DD.003BCC9415	10/8	100
3DD.003BCC93A0	10/8	96	3DD.003BCC93DB	10/8	87	3DD.003BCC9416	10/8	109
3DD.003BCC93A1	10/7	105	3DD.003BCC93DC	10/8	115	3DD.003BCC9417	10/8	111
3DD.003BCC93A2	10/7	109	3DD.003BCC93DD	10/8	109	3DD.003BCC9418	10/8	94
3DD.003BCC93A3	10/7	93	3DD.003BCC93DE	10/8	93	3DD.003BCC9419	10/8	87
3DD.003BCC93A4	10/7	116	3DD.003BCC93DF	10/8	90	3DD.003BCC941A	10/8	94
3DD.003BCC93A5	10/7	111	3DD.003BCC93E0	10/8	102	3DD.003BCC941B	10/8	102
3DD.003BCC93A6	10/8	102	3DD.003BCC93E1	10/8	110	3DD.003BCC941C	10/8	106
3DD.003BCC93A7	10/8	118	3DD.003BCC93E2	10/8	101	3DD.003BCC941D	10/8	91
3DD.003BCC93A8	10/7	98	3DD.003BCC93E3	10/8	112	3DD.003BCC941E	10/8	86
3DD.003BCC93A9	10/7	121	3DD.003BCC93E4	10/8	112	3DD.003BCC941F	10/8	133
3DD.003BCC93AA	10/7	97	3DD.003BCC93E5	10/8	81	3DD.003BCC9420	10/8	90
3DD.003BCC93AB	10/7	111	3DD.003BCC93E6	10/8	113	3DD.003BCC9421	10/8	95
3DD.003BCC93AC	10/8	100	3DD.003BCC93E7	10/8	120	3DD.003BCC9422	10/8	111
3DD.003BCC93AD	10/8	122	3DD.003BCC93E8	10/8	114	3DD.003BCC9423	10/8	120
3DD.003BCC93AE	10/7	102	3DD.003BCC93E9	10/8	139	3DD.003BCC9424	10/8	97
3DD.003BCC93AF	10/7	100	3DD.003BCC93EA	10/8	120	3DD.003BCC9425	10/8	135
3DD.003BCC93B0	10/7	135	3DD.003BCC93EB	10/8	114	3DD.003BCC9426	10/8	94
3DD.003BCC93B1	10/7	95	3DD.003BCC93EC	10/8	94	3DD.003BCC9427	10/8	110
3DD.003BCC93B2	10/8	90	3DD.003BCC93ED	10/8	106	3DD.003BCC9428	10/9	127
3DD.003BCC93B3	10/7	117	3DD.003BCC93EE	10/8	103	3DD.003BCC9429	10/9	109
3DD.003BCC93B4	10/7	99	3DD.003BCC93EF	10/8	118	3DD.003BCC942A	10/9	118
3DD.003BCC93B5	10/7	107	3DD.003BCC93F0	10/8	105	3DD.003BCC942B	10/8	133
3DD.003BCC93B6	10/7	108	3DD.003BCC93F1	10/8	133	3DD.003BCC942C	10/9	105
3DD.003BCC93B7	10/7	99	3DD.003BCC93F2	10/8	115	3DD.003BCC942D	10/9	119
3DD.003BCC93B8	10/8	84	3DD.003BCC93F3	10/8	95	3DD.003BCC942E	10/9	126
3DD.003BCC93B9	10/8	149	3DD.003BCC93F4	10/8	112	3DD.003BCC942F	10/8	107
3DD.003BCC93BA	10/7	119	3DD.003BCC93F5	10/8	132	3DD.003BCC9430	10/8	109
3DD.003BCC93BB	10/8	100	3DD.003BCC93F6	10/8	142	3DD.003BCC9431	10/9	111
3DD.003BCC93BC	10/7	112	3DD.003BCC93F7	10/8	100	3DD.003BCC9432	10/9	87
3DD.003BCC93BD	10/8	107	3DD.003BCC93F8	10/8	100	3DD.003BCC9433	10/9	129
3DD.003BCC93BE	10/7	103	3DD.003BCC93F9	10/8	118	3DD.003BCC9434	10/8	96
3DD.003BCC93BF	10/7	123	3DD.003BCC93FA	10/8	121	3DD.003BCC9435	10/9	117
3DD.003BCC93C0	10/8	112	3DD.003BCC93FB	10/8	97	3DD.003BCC9436	10/8	125
3DD.003BCC93C1	10/8	91	3DD.003BCC93FC	10/8	97	3DD.003BCC9437	10/9	112
3DD.003BCC93C2	10/8	105	3DD.003BCC93FD	10/8	115	3DD.003BCC9438	10/8	97
3DD.003BCC93C3	10/8	107	3DD.003BCC93FE	10/8	92	3DD.003BCC9439	10/9	102
3DD.003BCC93C4	10/8	111	3DD.003BCC93FF	10/8	115	3DD.003BCC943A	10/11	123
3DD.003BCC93C5	10/8	98	3DD.003BCC9400	10/8	95	3DD.003BCC943B	10/12	148
3DD.003BCC93C6	10/8	112	3DD.003BCC9401	10/8	116	3DD.003BCC943C	10/9	116

PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)	PIT tag #	Date	TL (mm)
3DD.003BCC943D	10/8	102	3DD.003BCC9478	10/9	101	3DD.003BCC94B7	10/12	115
3DD.003BCC943E	10/9	108	3DD.003BCC9479	10/8	112	3DD.003BCC94B8	10/12	117
3DD.003BCC943F	10/9	90	3DD.003BCC947A	10/8	100	3DD.003BCC94B9	10/12	90
3DD.003BCC9440	10/9	127	3DD.003BCC947B	10/8	122	3DD.003BCC94BA	10/12	113
3DD.003BCC9441	10/9	103	3DD.003BCC947D	10/8	112	3DD.003BCC94BB	10/10	113
3DD.003BCC9442	10/9	93	3DD.003BCC947E	10/8	96	3DD.003BCC94BC	10/11	90
3DD.003BCC9443	10/8	95	3DD.003BCC947F	10/8	112	3DD.003BCC94BD	10/12	114
3DD.003BCC9444	10/9	130	3DD.003BCC9480	10/8	97	3DD.003BCC94BE	10/10	128
3DD.003BCC9445	10/9	97	3DD.003BCC9481	10/8	97	3DD.003BCC94BF	10/12	97
3DD.003BCC9446	10/9	138	3DD.003BCC9482	10/9	121	3DD.003BCC94C0	10/12	128
3DD.003BCC9447	10/9	116	3DD.003BCC9483	10/8	130	3DD.003BCC94C1	10/12	115
3DD.003BCC9448	10/9	113	3DD.003BCC9484	10/8	123	3DD.003BCC94C2	10/12	116
3DD.003BCC9449	10/9	96	3DD.003BCC9485	10/8	97	3DD.003BCC94C3	10/11	101
3DD.003BCC944A	10/8	113	3DD.003BCC9486	10/8	125	3DD.003BCC94C4	10/10	125
3DD.003BCC944B	10/9	97	3DD.003BCC9487	10/8	104	3DD.003BCC94C5	10/12	139
3DD.003BCC944C	10/9	91	3DD.003BCC9488	10/12	100	3DD.003BCC94C6	10/12	102
3DD.003BCC944D	10/9	121	3DD.003BCC9489	10/11	97	3DD.003BCC94C7	10/12	131
3DD.003BCC944E	10/9	111	3DD.003BCC948B	10/12	112	3DD.003BCC94C8	10/11	95
3DD.003BCC944F	10/9	90	3DD.003BCC948C	10/12	140	3DD.003BCC94C9	10/10	120
3DD.003BCC9450	10/9	103	3DD.003BCC948D	10/10	112	3DD.003BCC94CA	10/10	124
3DD.003BCC9451	10/9	115	3DD.003BCC948E	10/12	113	3DD.003BCC94CB	10/12	100
3DD.003BCC9452	10/9	116	3DD.003BCC948F	10/12	89	3DD.003BCC94CC	10/12	119
3DD.003BCC9453	10/10	123	3DD.003BCC9490	10/12	95	3DD.003BCC94CD	10/12	131
3DD.003BCC9454	10/8	117	3DD.003BCC9491	10/11	93	3DD.003BCC94CE	10/11	93
3DD.003BCC9455	10/9	109	3DD.003BCC9493	10/10	97	3DD.003BCC94CF	10/12	120
3DD.003BCC9456	10/11	98	3DD.003BCC9494	10/12	105	3DD.003BCC94D1	10/11	117
3DD.003BCC9457	10/8	115	3DD.003BCC9495	10/12	135	3DD.003BCC94D2	10/11	91
3DD.003BCC9458	10/8	95	3DD.003BCC9496	10/12	95	3DD.003BCC94D3	10/10	101
3DD.003BCC9459	10/9	120	3DD.003BCC9497	10/12	122	3DD.003BCC94D4	10/12	103
3DD.003BCC945A	10/9	99	3DD.003BCC9498	10/12	149	3DD.003BCC94D5	10/13	97
3DD.003BCC945B	10/9	100	3DD.003BCC9499	10/12	103	3DD.003BCC94D6	10/11	110
3DD.003BCC945C	10/9	101	3DD.003BCC949A	10/10	108	3DD.003BCC94D7	10/10	103
3DD.003BCC945D	10/8	92	3DD.003BCC949B	10/12	129	3DD.003BCC94D8	10/11	99
3DD.003BCC945E	10/8	94	3DD.003BCC949C	10/12	105	3DD.003BCC94D9	10/12	113
3DD.003BCC945F	10/9	87	3DD.003BCC949D	10/12	105	3DD.003BCC94DA	10/12	125
3DD.003BCC9460	10/8	160	3DD.003BCC949E	10/12	125	3DD.003BCC94DB	10/10	113
3DD.003BCC9461	10/8	110	3DD.003BCC949F	10/12	99	3DD.003BCC94DC	10/12	113
3DD.003BCC9462	10/9	120	3DD.003BCC94A0	10/12	107	3DD.003BCC94DD	10/11	122
3DD.003BCC9463	10/9	102	3DD.003BCC94A1	10/12	102	3DD.003BCC94DE	10/12	103
3DD.003BCC9464	10/9	89	3DD.003BCC94A2	10/10	125	3DD.003BCC94DF	10/11	102
3DD.003BCC9465	10/9	100	3DD.003BCC94A3	10/12	129	3DD.003BCC94E0	10/12	137
3DD.003BCC9466	10/9	123	3DD.003BCC94A4	10/12	113	3DD.003BCC94E1	10/10	99
3DD.003BCC9467	10/8	105	3DD.003BCC94A5	10/12	91	3DD.003BCC94E2	10/12	118
3DD.003BCC9468	10/8	92	3DD.003BCC94A6	10/12	97	3DD.003BCC94E3	10/10	104
3DD.003BCC9469	10/8	102	3DD.003BCC94A7	10/12	139	3DD.003BCC94E4	10/11	101
3DD.003BCC946A	10/8	95	3DD.003BCC94A8	10/12	111	3DD.003BCC94E5	10/11	104
3DD.003BCC946B	10/9	116	3DD.003BCC94A9	10/10	120	3DD.003BCC94E6	10/11	93
3DD.003BCC946C	10/9	81	3DD.003BCC94AA	10/10	133	3DD.003BCC94E7	10/12	92
3DD.003BCC946D	10/8	100	3DD.003BCC94AB	10/10	114	3DD.003BCC94E8	10/12	92
3DD.003BCC946E	10/9	121	3DD.003BCC94AC	10/10	132	3DD.003BCC94E9	10/13	117
3DD.003BCC946F	10/8	102	3DD.003BCC94AD	10/10	107	3DD.003BCC94EA	10/12	99
3DD.003BCC9470	10/10	88	3DD.003BCC94AE	10/12	110	3DD.003BCC94EB	10/12	115
3DD.003BCC9471	10/8	102	3DD.003BCC94AF	10/12	121			
3DD.003BCC9472	10/8	147	3DD.003BCC94B0	10/12	121			
3DD.003BCC9473	10/8	108	3DD.003BCC94B2	10/12	134			
3DD.003BCC9474	10/8	107	3DD.003BCC94B3	10/10	125			
3DD.003BCC9475	10/9	130	3DD.003BCC94B4	10/12	133			
3DD.003BCC9476	10/8	109	3DD.003BCC94B5	10/12	100			
3DD.003BCC9477	10/8	115	3DD.003BCC94B6	10/12	117			