

SR 400 (I-4) Project Development and Environment (PD&E) Study FM No.: 432100-1-22-01



Florida Scrub-Jay Survey Technical Memorandum

Segment 4: from east of SR 15/600 (US 17/92) to ½ mile east of SR 472

Volusia County (79110)

July 2015

Stantec

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FLORIDA SCRUB-JAY SURVEY TECHNICAL MEMORANDUM

Date: July 2015

To: FDOT District 5 through HNTB Corporation

From: Stantec Consulting Services, Inc.

Subject: PD&E Study for Interstate 4 Beyond the Ultimate Segment 4: from east of SR 15/600 (US 17/92) to ½ mile

east of SR 472

Re: Florida Scrub-Jay Survey

Project Description

The Florida Department of Transportation (FDOT) is proposing to reconstruct and widen I-4 as part of the I-4 Beyond the Ultimate (BtU) concept. This involves the build-out of I-4 to its ultimate condition through Central Florida, including segments in Polk, Osceola, Orange, Seminole, and Volusia Counties. The concept design under evaluation in this Project Development and Environment (PD&E) study proposes the addition of two (2) new express lanes in each direction giving it a total of ten (10) dedicated lanes.

Segment 4 of this study is from east of SR 15/600 (US 17/92) to ½ mile east of SR 472 and includes the interchanges at Dirksen Drive/DeBary Avenue, Saxon Boulevard, and SR 472 (Howland Boulevard) and provides for the required stormwater treatment with a number of potential pond sites and treatment swales along the corridor (see **Figure 1**). The typical section developed includes a 44-foot transit envelope and will be contained within the existing right-of-way in nearly all areas with the exception of the proposed interchange at Rhode Island Avenue and some of the proposed pond sites.

This project is currently undergoing an analysis of the effects of the proposed roadway improvements. As part of this evaluation, it was determined that the habitats within and adjacent to the corridor could potentially be occupied by the Florida scrub-jay (*Aphelocoma coerulescens*). As such, species-specific surveys were conducted in October 2014 and April 2015 to evaluate the corridor for occurrences of this species. The purpose of this technical memorandum is to summarize the results of this survey.

Species Description

The Florida scrub-jay is listed as threatened by both the US Fish and Wildlife Service (USFWS) and Florida Fish and Wildlife Conservation Commission (FWC). This bird is similar to the common blue jay in size and shape, but with a pale blue crestless head, nape, wings, and tail. Sexes cannot be distinguished by plumage; however, immature birds have a dusty brown head and neck.

The scrub-jay is a habitat specialist, primarily inhabiting xeric oak scrub habitats. Other habitats utilized include sand pine scrub, xeric pines, and agricultural or residential lands where scrub oaks have been retained. Scrub-jays prefer areas with open sandy patches to cache large quantities of scrub oak acorns.

Nesting for this species occurs from late February through June. Nests typically have one to five eggs and incubate for 17 days. Scrub-jay young remain with the parents to help as part of a cooperative family group. Family groups use an average of 25 acres of habitat and aggressively defend their territory from other family groups.

Background

The project corridor is within the USFWS Consultation Area for the scrub-jay. The Consultation Area for this species ranges from Collier and Palm Beach Counties in the south to Marion, Putnam and Flagler Counties in the north. The largest populations of this species are presently found in Brevard, Highlands and Marion Counties. Populations of scrub-jays were documented within remnant scrub communities in Deltona adjacent to the I-4 corridor during the FWC 1992-1993 statewide scrub-jay survey (see **Figure 2**). Additional data was also provided by the Volusia County Environmental Management Office, which tracks scrub-jay populations and has potential and occupied habitat data sets that were provided for this study (see **Figure 2A**).

A scrub-jay survey was conducted during the original PD&E Study (Final Environmental Impact Statement (FEIS) for I-4 from SR 528 Beachline Expressway to SR 472, completed in May 2000 with field work from 1996 – 1998) within this alignment corridor. Stations were sampled for the presence of scrub-jays at the Saxon Boulevard interchange, along both sides of the highway between Saxon Boulevard and SR 472, and at the interchange at SR 472. Scrub-jays were observed at fifteen of the call stations during the investigation.

Cursory surveys for scrub-jays were conducted for this project in September and October of 2013 (see **Figure 2B**) to evaluate the potential presence of this species. During these reviews, at least four scrub-jays were observed to respond to a call-back recording north of Saxon Boulevard adjacent to I-4 eastbound, and two more responded when the call was played in the northeast quadrant of the interchange at SR 472. Two scrub-jays were observed at Pond Site 409 A1/A2 as well. As suitable habitat still exists within the corridor, a formal scrub-jay survey was scheduled and conducted in the fall of 2014.

Habitat Types

Prior to establishing scrub-jay call stations, the roadway corridor was field reviewed for scrub habitat, which included an evaluation of soil types, vegetative strata, and management activities. The most important aspect of the habitat assessment was the locations and type of scrub oak species within and adjacent to the corridor. Areas in or adjacent to the presence of scrub oak species were further assessed to ascertain the most suitable locations and offsets for call stations. **Figure 3** depicts the mapped habitat community types based on St. Johns River Water Management District (SJRMWD) Land Use GIS Layers and field reviews.

The following habitat types were observed along the corridor to contain scrub oak species and therefore were included in the survey sample group. Habitat assessment data for each habitat type is included in **Appendix A**.

Improved Pastures (FLUCFCS 2110), Woodland Pastures (FLUCFCS 2130), Herbaceous Upland Non-Forest (FLUCFCS 3100)

These areas are non-forested areas that are, or were recently, pasture areas or areas that are mowed with no obvious intended use. The primary ground cover is bahia grass (*Paspalum notatum*). Portions of these areas were included in the survey because they either had minor amounts of scrub oak, bordered scrub habitat or were identified by Volusia County as scrub habitat.

Shrub and Brushland (FLUCFCS 3200), Mixed Non-forested Uplands (FLUCFCS 3300), Disturbed Land (FLUCFCS 7400)

These areas are non-forested areas that in their current condition are dominated by a prominent shrub layer. Along the I-4 corridor, these are areas that were clear-cut and are currently transitioning into forested areas. A primary component of the shrub layer is composed of immature pines and oaks. Portions of these areas were included in the survey because they either had minor amounts of scrub oak, bordered scrub habitat or were identified by Volusia County as scrub habitat.

Longleaf Pine-Xeric Oak (FLUCFCS 4120), Sand Pine (FLUCFCS 4130), Xeric Oak (FLUCFCS 4210)

These areas have a vegetative composition that includes sand pine (*Pinus clausa*), sand live oak (*Quercus geminata*), longleaf pine (*Pinus palustris*), myrtle oak (*Quercus myrtifolia*), and Chapman's oak (*Quercus chapmanii*) as a canopy component. Midstory and groundcover components within these communities also observed included rusty lyonia (*Lyonia ferruginea*), rosemary (*Ceratiola ericoides*), and gopher apple (*Licania michauxii*). Note that these communities were included in the survey but are primarily overgrown and fire suppressed and do not have the low growing scrub oak with sparse overstory that well-managed "classic" scrub habitat would exhibit.

Mixed Upland Hardwood/Conifers (FLUCFCS 4340)

These areas were primarily overgrown, fire suppressed, and dominated by laurel oak (*Quercus laurifolia*) and slash pine (*Pinus elliottii*) with a thick understory of saw palmetto (*Serenoa repens*), American beautyberry (*Callicarpa americana*), gallberry (*Ilex glabra*), and catbrier (*Smilax* spp.). These areas were included within the survey area based on the presence of sand live oak, myrtle oak, and Chapman's oak observed in the understory.

Methods

Prior to the development, design and placement of the call stations, Stantec biologists consulted with Casey Lyon, FDOT District Five Environmental Permit Coordinator. With her assistance and input, the survey station placement and survey method was determined. Following the development of the survey, Stantec biologists solicited comments from Jane Monaghan of the USFWS (in October 2014). She confirmed that the call station placement and survey method were consistent and conforming to the standard survey protocol.

Based on the size of the vegetative stratum, a 200 meter grid was mapped through habitat that contained scrub species and additional areas adjacent to scrub habitat. A total of 101 stations were established along the entire roadway corridor. Figure 4 depicts the locations of the call stations. The scrub-jay surveys were conducted in the fall (October) to take advantage of the territorial displays that are most frequent at this time of the year. Surveys were carried out by qualified biologists experienced in the surveying and behavior of this species.

Following design changes that occurred in November 2014, additional survey stations were set in areas that had not been included at the time of the October survey. Eighteen (18) additional stations were placed at four proposed pond sites along SR 472 / Howland Blvd. and Dr. Martin Luther King Blvd (**Sheets 4 and 7 of Figure 4**). Surveys at these stations were carried out in the manner previously described, and took place during the week of April 20, 2015.

Survey Results

The scrub-jay calls were conducted on October 7-13, 19-22, 28, and 30 of 2014, and April 20 – 24, 2015. Scrub-jay territorial scolding was broadcasted at each approved call station for a minimum of one minute in all four cardinal directions. Broadcasts were halted once a scrub-jay was observed, in order to observe, count and record data for each group. Notes on scrub-jay behavior were collected on type of responses, number, and whether the specimens were juveniles or adults. Surveys were suspended in instances where predatory bird species such as hawks or eagles were observed in the region. Additionally, surveys were not conducted when winds exceeded 8 mph or if conditions were not conducive for observations such as rain or fog. Surveys began approximately 1 hour after sunrise and were stopped prior to the mid-day heat (~11:30 am).

All of the assigned survey stations were sampled for a minimum of five days. Several additional call stations and transects were established to aid in the development of territory boundaries outside of the project limits. Scrub-jay calls were played at each call station a minimum of 5 times between October 7 and October 28, 2014 (and at the additional stations in April 2015). At some call stations an additional biologist was utilized to simultaneously play calls at adjacent call stations/areas to establish and confirm territory boundaries within FDOT right-of-way. After the call station draft data was analyzed, an additional reconnaissance field event was conducted on October 30, 2014, playing calls outside of the territory boundaries to verify the data. **Appendix B** provides a summary table of the data collected for each of the call stations. **Figure 5** depicts the survey areas where scrub-jays intersected the existing or proposed FDOT right-of-way and pond sites.

Based on the results of the survey, scrub-jays were observed at 15 of the 119 stations. These scrub-jays comprise five (5) separate families of which four (4) intersect with the existing or proposed FDOT right-of-way (including pond sites). The remaining scrub-jays are either outside the right-of-way or were single incidental observations as discussed below:

Family 1: This family was observed from Stations G12-L and G14-A on two separate days. This family is comprised of two adults who likely utilize a portion of the clover-leaf at the Saxon Boulevard Interchange as part of their territory. **Figure 5, Sheet 1** depicts the flight path and the approximate 0.9 acres utilized by scrub-jays within the existing FDOT right-of-way.

On both observation days, this family was observed flying from the adjacent sand pine habitat to the east. Supplemental surveys around the Saxon Boulevard Interchange clover-leaf were conducted to determine whether these individuals were using any additional areas of the right-of-way; however, these birds did not return to the area. In addition, these birds did not respond to adjacent stations G12-K or G12-J.

Family 2: This family was observed from Stations G11-H and G11-J, as well as during supplemental surveys from additional stations around Pond Site 409 A1/A2 in order to determine the approximate territory size. Figure 5, Sheet 2 depicts the flight path and supplemental call stations. This family is comprised of two adults that are utilizing approximately 1.3 acres within the FDOT right-of-way. This family was observed crossing over I-4 during one of the survey events. Families 2 and 3 were determined to be separate and have abutting territories. This determination is based on observations of each family alert to calls at stations G11-H and G11-H2 but on opposite sides of the associated Pond Site 409 A1/A2. The families were never observed together, and each family could not be called to defend the same location.

Family 3: This family was observed from Stations G11-H, G11-H2, G12-G, and G12-F. This family is comprised of three adults that are utilizing approximately 4.0 acres within the FDOT right-of-way. This family likely utilizes the side slopes of the Pond Site 409 A1/A2 for acorn cache. In addition, this family was also observed within the neighborhood along

Galveston Avenue. **Figure 5, Sheet 2** which depicts the flight path and supplemental call stations. This family was observed crossing over I-4 to respond to calls at stations G12-G and G12-F. Families 2 and 3 were determined to be separate and have abutting territories. This determination is based on observations of each family alert to calls at stations G11-H and G11-H2 but on opposite sides of the associated Pond Site 409 A1/A2. The families were never observed together, and neither individual family could be called to defend the same location.

Family 4: This family was observed from Stations G15-A, G15-B, G15-C, and G15-F adjacent to Howland Blvd. and E. Graves Avenue, east of I-4. The family is composed of two adults and one juvenile and appears to be utilizing approximately 2.3 acres of the pond site. Figure 5, Sheet 4 depicts the observed flight path and dates. These birds appear to be using the fringe of this dry pond, primarily along the southern side of the pond, and did not respond to calls from the front (northern side) of the pond. The birds may also be utilizing a small patch of sand pine to the southeast of the pond site.

Family 5: This family was observed from Stations G3-L and G3-K along SR 472 east of I-4. This family is comprised of three adults. Please refer to **Figure 5**, **Sheet 4** which depicts the flight path and dates. This family is likely outside of the proposed improvements within the FDOT right-of-way associated with this project.

Individual Observation 1: A single adult scrub-jay was observed on two separate dates south of Station G1-F, within Pond 414. Please refer to **Figure 5**, **Sheet 5** which depicts the flight path and dates. Supplemental surveys in the area did not find this bird or additional birds. It is assumed that this bird does not consider Pond 414 a part of its territory.

Individual Observation 2: A single adult scrub-jay was observed south of Station G9-D. This bird was observed moving around the survey station investigating the auditory calls. Supplemental surveys in the area did not find this bird or additional birds. Please refer to **Figure 5**, **Sheet 3** which depicts the flight path and dates.

SURVEY SUMMARY

Specific species surveys for the scrub-jay occurred during the months of October 2014 and April 2015. Based on the results of the survey, scrub-jays were observed at 15 of the 119 stations. These scrub-jays comprise five (5) separate families, of which four (Families 1, 2, 3, and 4) intersect the proposed or existing FDOT right-of-way (including pond sites), and three (Families 1, 2, and 3) of these families would be subject to impacts by the project (**Figure 6**). The other two families (Families 4 and 5) would not have impacts to their existing habitat as the project is currently designed. The potential impacts for the recommended alternative as proposed would be: Family 1 at the westbound off-ramp from I-4 to Saxon Blvd would have **0.90 acres** of occupied territory impacted, Family 2 along eastbound I-4 at Pond Site 409 A1/A2 would have **1.22 acres** of occupied territory impacted, and Family 3 along I-4 eastbound at Pond Site 409 A1/A2 would have **2.56 acres** of occupied territory impacted. Based upon the results of this survey, the project is anticipated to impact a total of **4.68 acres** of occupied Florida scrub-jay territory within the existing and/or proposed FDOT Right-of-Way and proposed recommended pond sites.

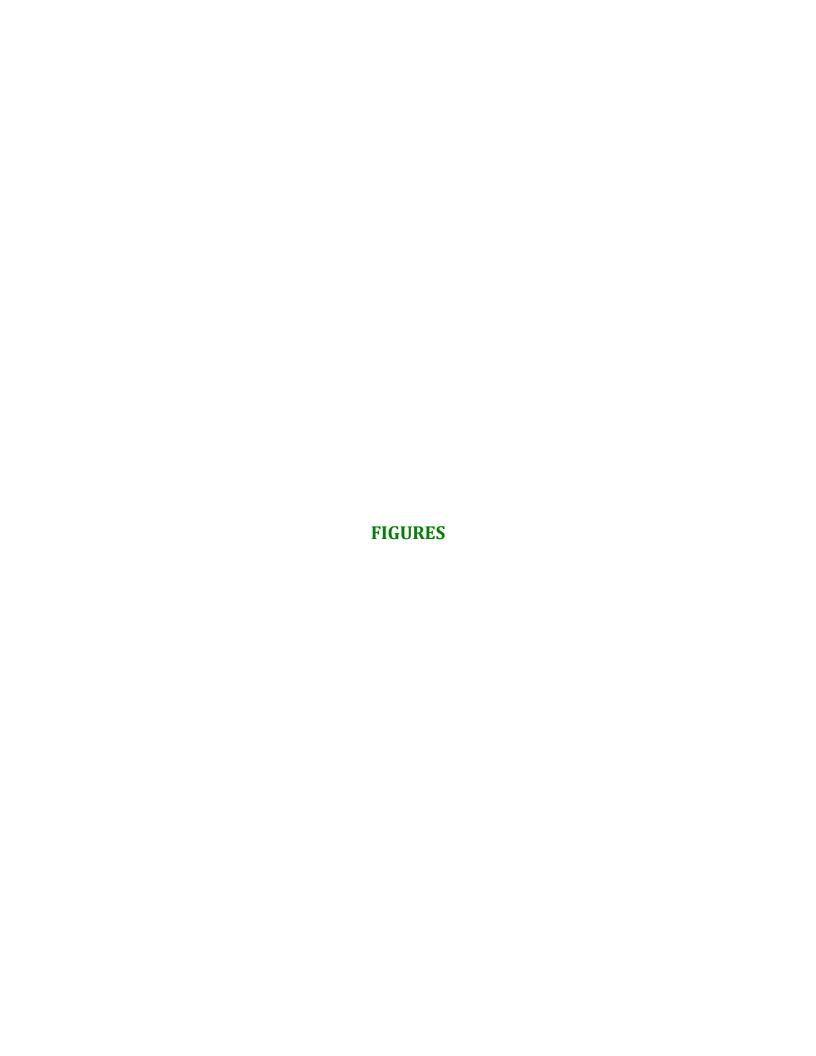


FIGURE 1 PROJECT LOCATION MAP



FIGURE 2 FWC HISTORIC SCRUB-JAY OCCURRENCE AND HABITAT MAP

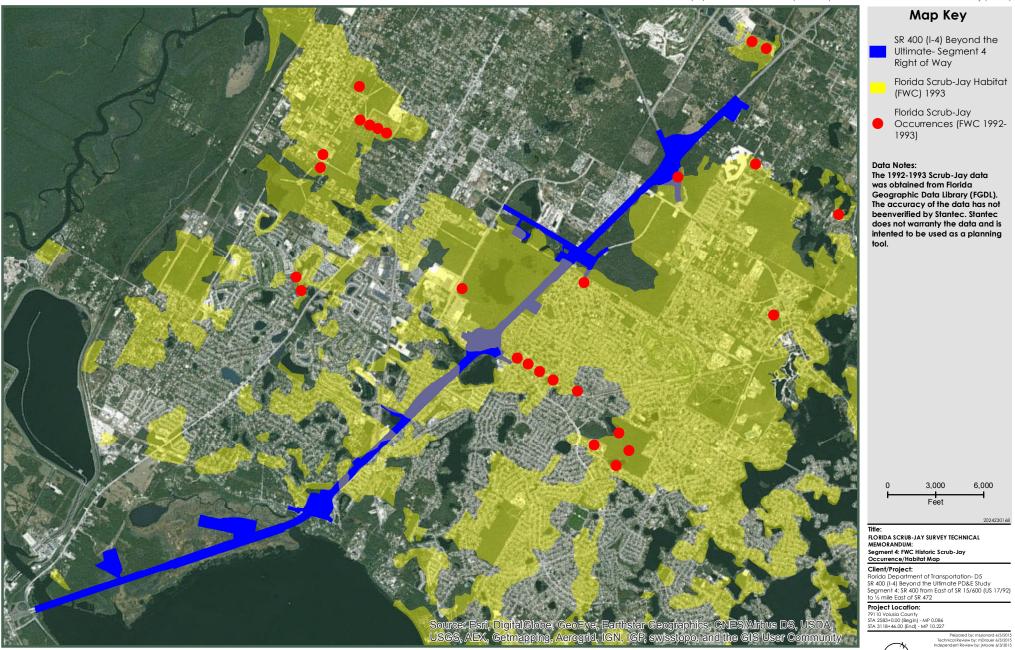


Figure 2 - FWC Historic Scrub-Jay Occurrence/Habitat Map

FIGURE 2A VOLUSIA COUNTY 2012 SCRUB-JAY HABITAT MAP



Figure 2A - Volusia County Scrub-Jay Habitat Map-2012

FIGURE 2B SCRUB-JAY OCCURRENCE MAP

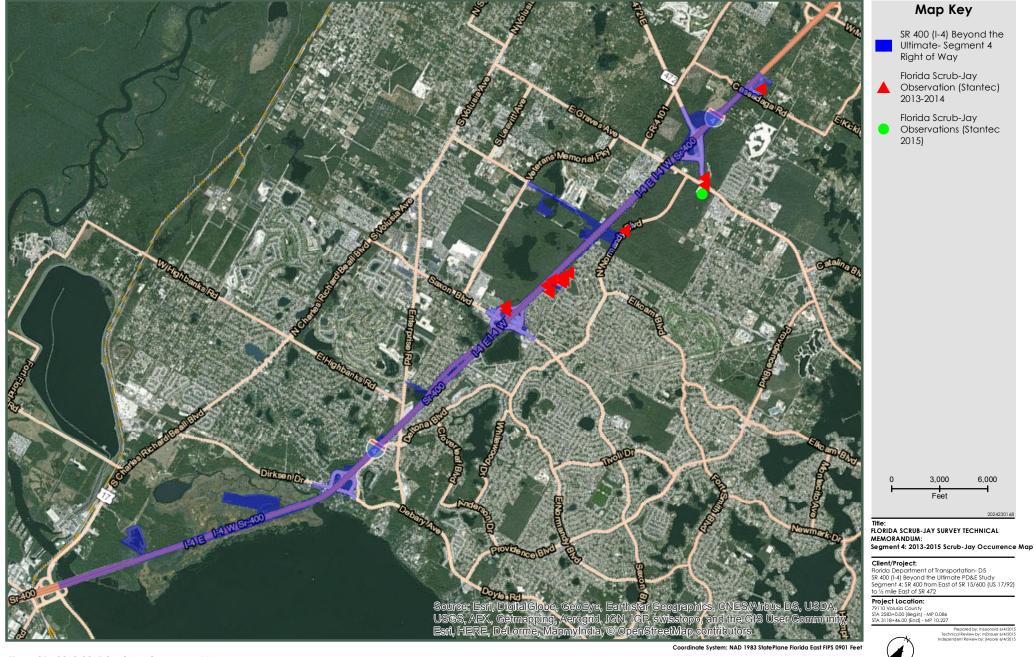


Figure 2B - 2013-2015 Scrub-Jay Occurrence Map

FIGURE 3 LAND USE AND HABITAT MAP

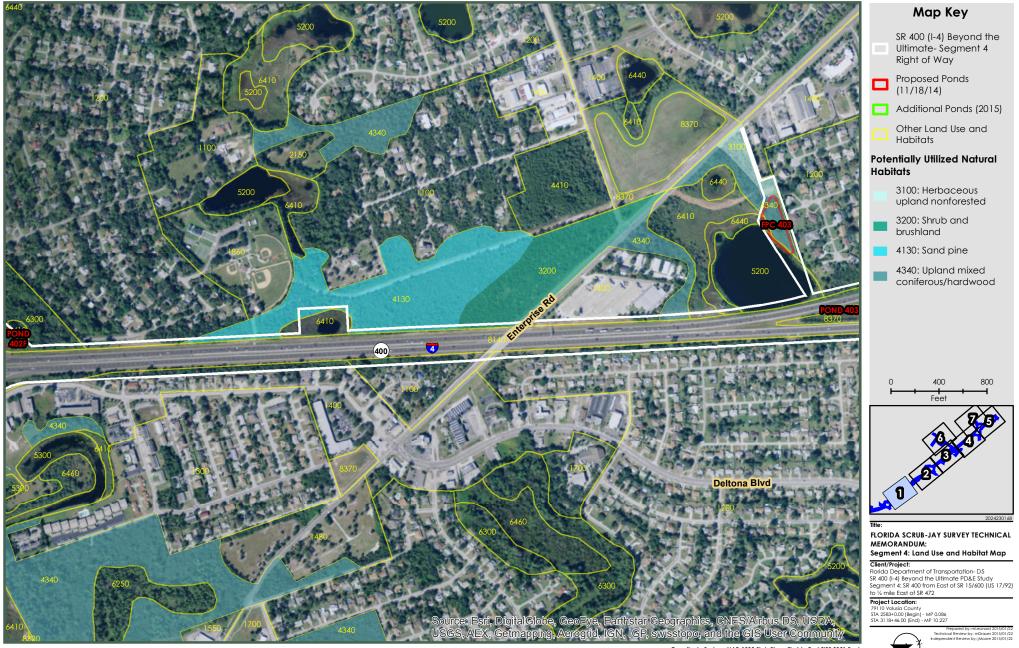


Figure 3: Sheet 1 of 7 - Land Use and Habitat Map



Figure 3: Sheet 2 of 7 - Land Use and Habitat Map



Figure 3: Sheet 3 of 7 - Land Use and Habitat Map



Figure 3: Sheet 4 of 7 - Land Use and Habitat Map



Figure 3: Sheet 5 of 7 - Land Use and Habitat Map



Figure 3: Sheet 6 of 7 - Land Use and Habitat Map

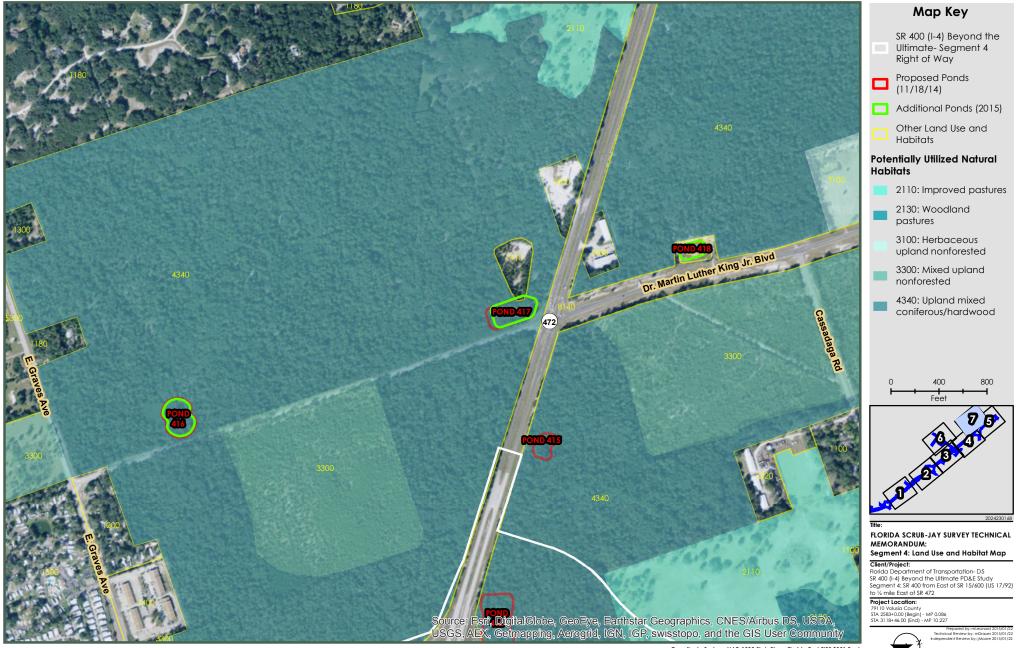


Figure 3: Sheet 7 of 7 - Land Use and Habitat Map

FIGURE 4 SCRUB-JAY CALL STATION MAP





Figure 4: Sheet 2 of 7 - Scrub-Jay Call Station Map

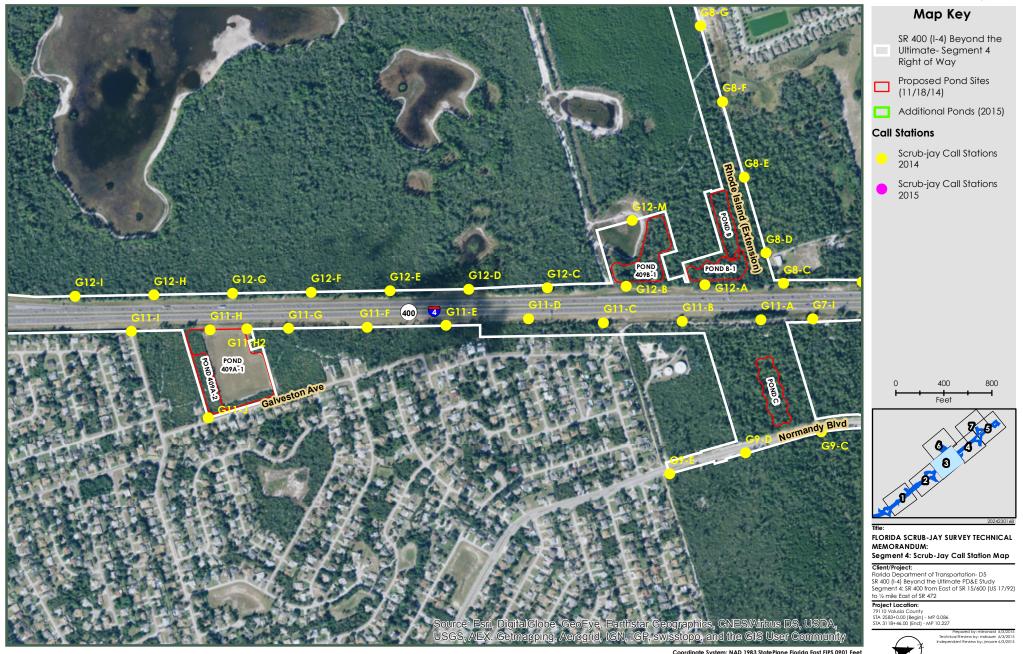


Figure 4: Sheet 3 of 7 - Scrub-Jay Call Station Map

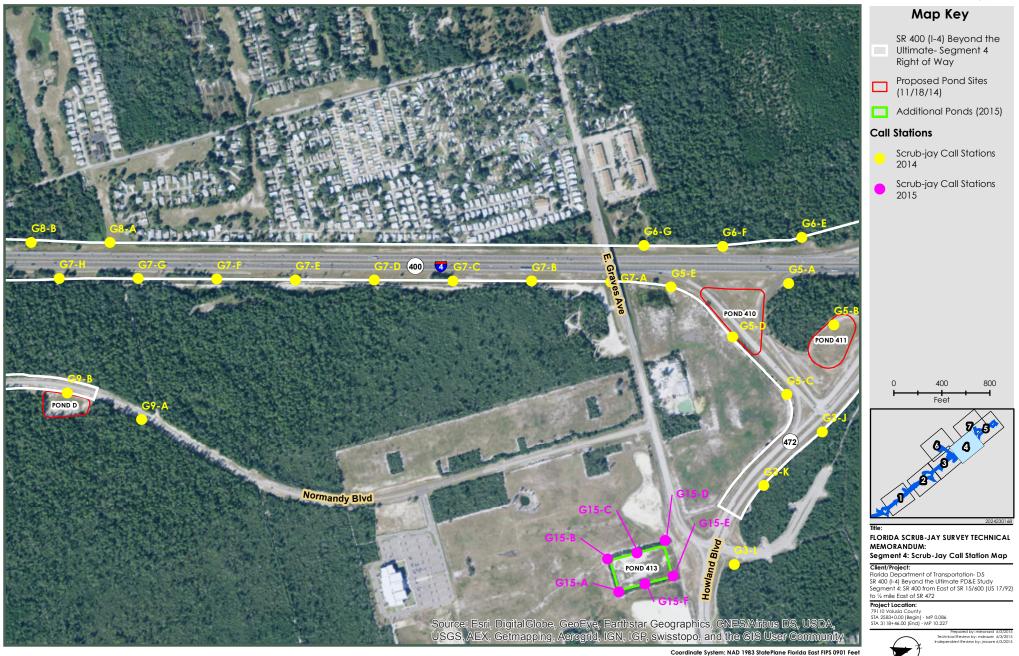


Figure 4: Sheet 4 of 7 - Scrub-Jay Call Station Map

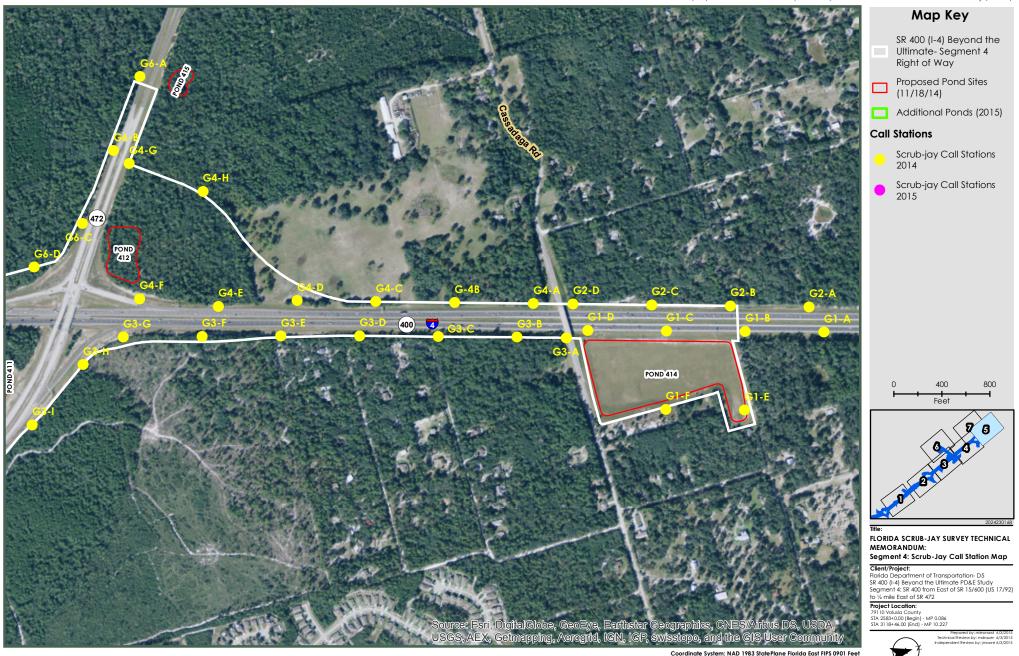


Figure 4: Sheet 5 of 7 - Scrub-Jay Call Station Map



Figure 4: Sheet 6 of 7 - Scrub-Jay Call Station Map

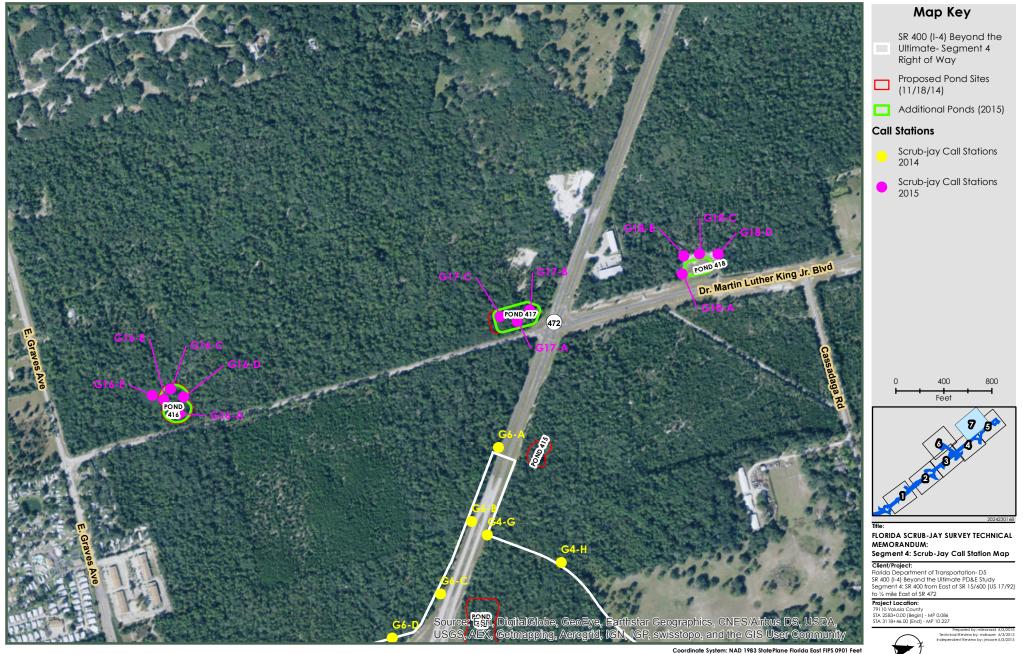
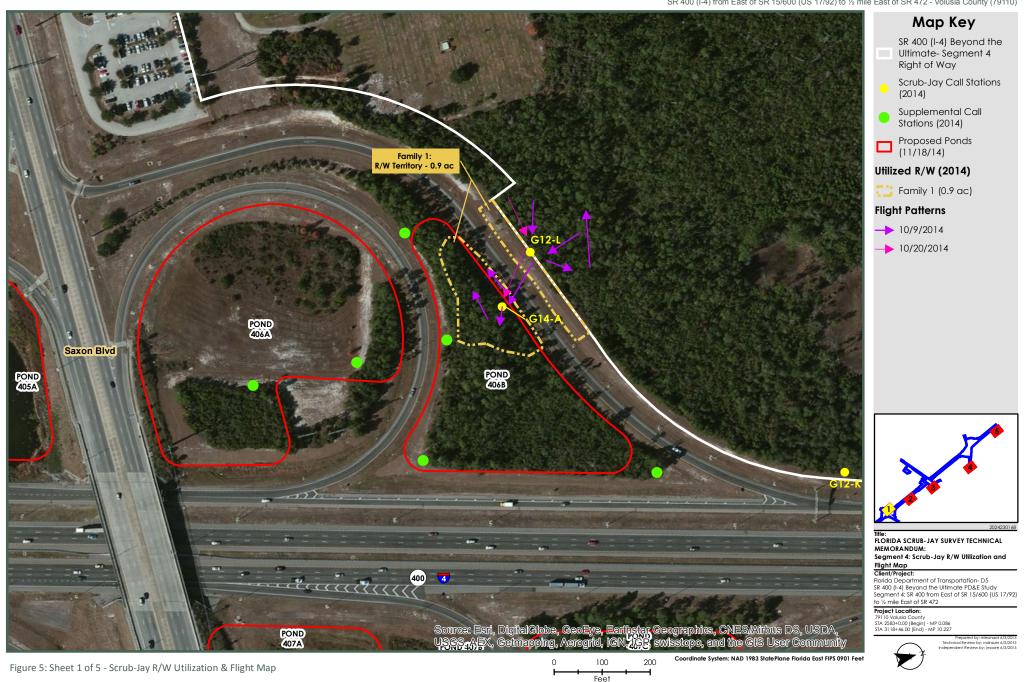
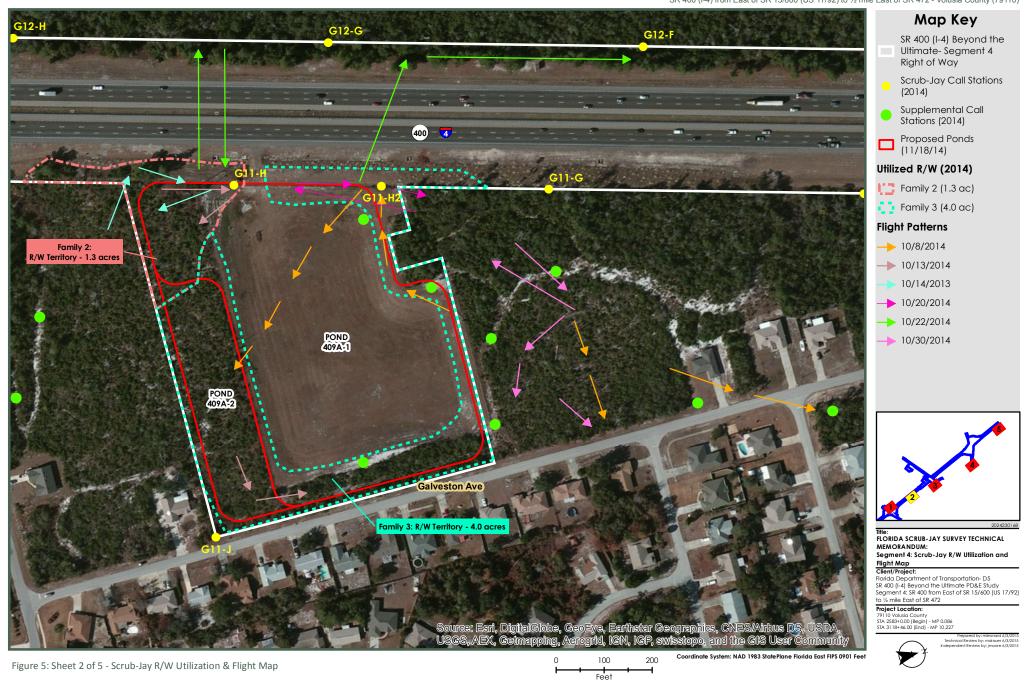


FIGURE 5 SCRUB-JAY RIGHT-OF-WAY UTILIZATION AND FLIGHT MAP



1"=200'

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1"=200'

SR 400 (I-4) Project Development and Environment (PD&E) Study | FM No. 432100-1-22-01



1"=200'

SR 400 (I-4) Project Development and Environment (PD&E) Study | FM No. 432100-1-22-01



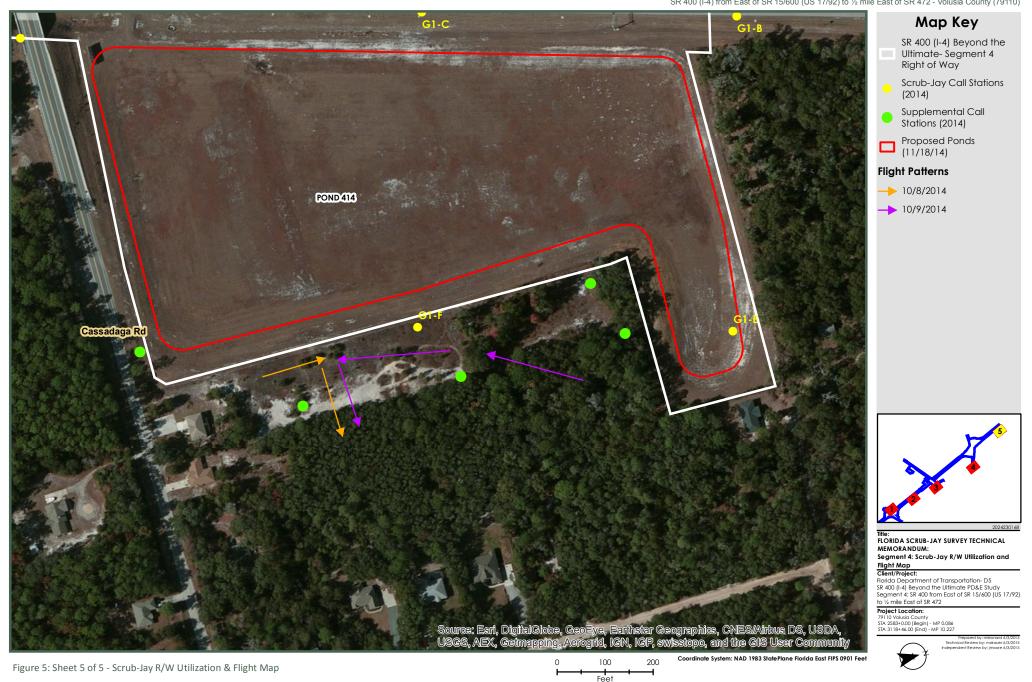


FIGURE 6 SCRUB-JAY HABITAT IMPACT MAP









APPENDIX A SCRUB-JAY HABITAT ASSESSMENT DATA

Habitat Assessment Data

October 2014 / April 2015 Scrub Jay Survey Results I-4 Beyond the Ultimate Segment 4 FPID # 432100-1-22-01

Call Station Number	Reviewer	Location	FLUCFCS Code	Habitat Description	Canopy (include % Scrub Oak)	Shrub (% Scrub Oak:)	Herbaceous
G4-A, G4-B, G4-C, G4-D, G1-E, G1-D, G1- C,	CC, KM, MLD, MRD, MH, ML	Volusia	2110: Improved Pasture; 2130: WoodlandPasture; 3100: Herbaceous Upland Non-Forested	Upland pasture - cattle grazing - managed land	scattered slash pine -<5%	scattered wax myrtle -<5%; <5%scrub oaks	Bahiagrass, dog fennel, carpet grass, broom sedge, smut grass, torpedo grass
G5-D, G5-C, G6-G, G13-A, G13-B, G13-C, G11-G, G11-H, G11-H2. G11-J, G11-I, G1-F, G8-G, G8H, G8-I, G18-A, G18-B, G18-C, G18-D	CC, KM, MLD, MRD, MH, ML	Volusia	3200: Shrub and Brushland; 3300: Mixed Non-Forested Uplands; 7400: Disturbed Land	Disturbed transistional areas	10-30% immature pine	wax myrtle -<15%; <5%scrub oaks	grapevine, smilax sp, pawpaw, gopher apple,
G13-D, G13-E, G13-F, G13-G, G12-L, G14-A, G11-K, G12-K, G12-I, G12-I, G11-H, G11-G, G8-C, G8-D, G8-E, G8-F, G11-A, G11-B, G11-C, G11-D, G11-E, G11-F, G7-A, G7-B, G7-C, G7-D, G7-E, G7-F,G7-G, G7-H, G7-I, G9-C, G9-D, G9-E, G5-A, G5-B, G3-I, G1 -E, G9-A, G9-B, G12-C, G12-E, G12-F	CC, KM, MLD, MRD, MH, ML	Volusia	4120: Longleaf Pine-Xeric Oak; 4130: Sand Pine; 4210: Xeric Oak;		*	saw palmetto 20 - 40%, mixed scrub oak species 5 - 20%, wax myrtle, rusty lyonia staggerbush, beauty berry, wax myrtle, winged sumac, gallberry	Wire grass, penny royal, grave vine, smilax sp., paw paw, prickly pear cactus, shiny blueberry, bracken fern, Aristida sp, runner oak, gallberry, rabbit tobacco, bachelor button, milkwort, hypericum, sunshine mimosa, rosemary, grapevine, smilax sp, pawpaw, gopher apple, prickly pear cactus, gallberry, blueberry.
G1-A, G1-B, G1-E, G2-A, G2-B, G2-C, G2-D, G3-B, G3-C, G3-D, G3-E, G3-F, G3-G, G3-H, G3-J, G3-K,G4-E, G4-F, G4-G, G4-H, G5-E, G6-A, G6-B, G6-C, G6-D, G6-E, G6-F, G8-A, G8-B, G12-A, G12-B, G12-D, G12-M, G3-L, G8-F, G8-J, G8-K, G8-L, G10-A, G10-B, G10-C, G16-A, G16-B, G16-C, G16-D, G16-E, G17-A, G17-B, G17-C	CC, KM, MLD, MRD, MH, ML	Volusia	4340: Upland Mixed Conifer/Hardwood	Hardwood - Conifer Mixed habitat lot of large live and laurel oak, some long leaf pine	pine 5 - 15%, scattered cabbage	30% oak, 10% pine, very little saw palmetto 5 - 10%, beautyberry, B. pepper, wax myrtle	Bahia, broom sedge, grapevine, dog fennel, beauty berry, sweet grass, carpet grass, bracken fern, smilax, blackberry

Stantec Biologists: MH = Mike Holdsworth, ML = Matthew Leonard, MLD = Mike Dinardo, MRD = Mike Drauer, KM = Kevin Muldrew, CC = Crystal Clark

APPENDIX B SCRUB-JAY STATION DATA

October 2014 Scrub Jay Survey Results I-4 Beyond the Ultimate Segment 4 FPID # 432100-1-22-01

Stantec Biologists: MH = Mike Holdsworth, ML = Matthew Leonard, MLD = Mike Dinardo, MRD = Mike Drauer, KM = Kevin Muldrew, CC = Crystal Clark

Call Station #	Survey Call Event #	Reviewer	Date	Start Time	Adults Observed	Juveniles Observed	Direction of Flight	Temp (F)	Wind Speed & Direction (mph)	Visibility	Notes
G10-A	1	MH	10/8/2014	10:21 AM	0	0	N/A	80	1	0 - Clear	No Scrub Jays Observed
G10-A	2	MH	10/9/2014	11:01 AM	0	0	N/A	81	1.8-4.8	0 - Clear	No Scrub Jays Observed
G10-A	3	MH	10/11/2014	10:09 AM	0	0	N/A	80	1-2 E	0 - Clear	No Scrub Jays Observed
G10-A	4	MH	10/19/2014	8:38 AM	0	0	N/A	63	2-5 NW	0 - Clear	No Scrub Jays Observed: songbird activity, nothing came to tape
G10-A	5	MH	10/22/2014	10:15 AM	0	0	N/A	71	3 NW	0 - Clear	No Scrub Jays Observed
G10-B	1	MH	10/8/2014	10:11 AM	0	0	N/A	80	1	0 - Clear	No Scrub Jays Observed: pileated woodpecker
G10-B	2	MH	10/9/2014	10:51 AM	0	0	N/A	81	1.7	0 - Clear	No Scrub Jays Observed
G10-B	3	MH	10/11/2014	9:57 AM	0	0	N/A	79	0	0 - Clear	No Scrub Jays Observed
G10-B	4	MH	10/19/2014	8:47 AM	0	0	N/A	63	2-5 NW	0 - Clear	No Scrub Jays Observed
G10-B	5	MH	10/22/2014	10:05 AM	0	0	N/A	70	3 NW	0 - Clear	No Scrub Jays Observed
G10-C	1	MH	10/8/2014	9:59 AM	0	0	N/A	79	0	0 - Clear	No Scrub Jays Observed
G10-C	2	MH	10/9/2014	10:40 AM	0	0	N/A	81	1.7	0 - Clear	No Scrub Jays Observed
G10-C	3	MH	10/11/2014	9:46 AM	0	0	N/A	78	0	0 - Clear	No Scrub Jays Observed
G10-C	4	MH	10/19/2014	8:57 AM	0	0	N/A	65	1-4 NW	0 - Clear	No Scrub Jays Observed: Flicker, titmouse
G10-C	5	MH	10/22/2014	9:54 AM	0	0	N/A	70	7 NW	0 - Clear	No Scrub Jays Observed
G11-A	1	ML	10/8/2014	10:32 AM	0	0	N/A	80	1	0 - Clear	No Scrub Jays Observed
G11-A	2	ML	10/9/2014	9:14 AM	0	0	N/A	73	1.8	0 - Clear	No Scrub Jays Observed
G11-A	3	MH	10/10/2014	9:47 AM	0	0	N/A	79	3.2	0 - Clear	No Scrub Jays Observed
G11-A	4	MRD	10/20/2014	9:23 AM	0	0	N/A	74	2 E	0 - Clear	No Scrub Jays Observed
G11-A	5	MH	10/28/2014	10:23 AM	0	0	N/A	72	1 NW	0 - Clear	No Scrub Jays Observed
G11-B	1	ML	10/9/2014	9:07 AM	0	0	N/A	72	1.8	0 - Clear	No Scrub Jays Observed
G11-B	2	MH	10/10/2014	9:37 AM	0	0	N/A	77	3.2	0 - Clear	No Scrub Jays Observed: downy woodpecker, mocking bird, blue jay
G11-B	3	MRD	10/13/2014	10:19 AM	0	0	N/A	81	10 SE	0 - Clear	No Scrub Jays Observed
G11-B	4	MRD	10/20/2014	9:15 AM	0	0	N/A	74	2 E	0 - Clear	No Scrub Jays Observed
G11-B	5	MH	10/28/2014	10:33 AM	0	0	N/A	72	1 NW	0 - Clear	No Scrub Jays Observed
G11-C	1	ML	10/8/2014	10:22 AM	0	0	N/A	80	1	0 - Clear	No Scrub Jays Observed
G11-C	2	ML	10/9/2014	9:00 AM	0	0	N/A	72	1.8	0 - Clear	No Scrub Jays Observed
G11-C	3	MH	10/10/2014	9:25 AM	0	0	N/A	76	3.2	0 - Clear	No Scrub Jays Observed: blue jay
G11-C	4	MRD	10/20/2014	9:07 AM	0	0	N/A	74	2 E	0 - Clear	No Scrub Jays Observed
G11-C	5	MH	10/28/2014	10:44 AM	0	0	N/A	73	2 NW	0 - Clear	No Scrub Jays Observed
G11-D	1	MLD/MH	10/7/2014	10:50AM	0	0	N/A	75	2 SE	0 - Clear	No Scrub Jays Observed
G11-D	2	MLD	10/8/2014	10:26 AM	0	0	N/A	80	1	0 - Clear	No Scrub Jays Observed
G11-D	3	ML	10/9/2014	8:52 AM	0	0	N/A	72	0-1.7	0 - Clear	No Scrub Jays Observed
G11-D	4	MH	10/10/2014	9:15 AM	0	0	N/A	75	3.2	0 - Clear	No Scrub Jays Observed: two mocking birds
G11-D	5	MRD	10/20/2014	8:57 AM	0	0	N/A	72	3 E	0 - Clear	No Scrub Jays Observed
G11-E	1	MLD/MH	10/7/2014	10:41 AM	0	0	N/A	75	1.9 SE	0 - Clear	No Scrub Jays Observed
G11-E	2	MLD	10/8/2014	10:17 AM	0	0	N/A	80	1	0 - Clear	No Scrub Jays Observed
G11-E	3	ML	10/9/2014	8:45 AM	0	0	N/A	71	0-1.7	0 - Clear	No Scrub Jays Observed
G11-E	4	MH	10/10/2014	9:05 AM	0	0	N/A	74	1.4	0 - Clear	No Scrub Jays Observed
G11-E	5	MRD	10/20/2014	8:51 AM	0	0	N/A	70	3 E	0 - Clear	No Scrub Jays Observed
G11-F	1	MLD/MH	10/7/2014	10:32 AM	0	0	N/A	75	0.8 SE	0 - Clear	No Scrub Jays Observed
G11-F	2	MLD	10/8/2014	10:08 AM	0	0	N/A	78	1	0 - Clear	No Scrub Jays Observed
G11-F	3	ML	10/9/2014	8:38 AM	0	0	N/A	71	0-1.7	0 - Clear	No Scrub Jays Observed
G11-F	4	MH	10/10/2014	8:55 AM	0	0	N/A	73	1.4	0 - Clear	No Scrub Jays Observed
G11-F	5	MRD	10/13/2014	10:00 AM	0	0	N/A	81	8 SE	0 - Clear	No Scrub Jays Observed
G11-F	6	MRD	10/20/2014	8:44 AM	0	0	N/A	70	3 E	0 - Clear	No Scrub Jays Observed

Call Station #	Survey Call Event #	Reviewer	Date	Start Time	Adults Observed	Juveniles Observed	Direction of Flight	Temp (F)	Wind Speed & Direction (mph)	Precipitation & Visibility	Notes
G11-G	1	MLD/MH	10/7/2014	10:13 AM	0	0	N/A	75	3 SE	0 - Clear	No Scrub Jays Observed
G11-G	2	MLD	10/8/2014	9:58 AM	0	0	N/A	77	0	0 - Clear	Birds from G11-H2 stayed and called back but did not follow.
G11-G	3	ML	10/9/2014	8:30 AM	0	0	N/A	71	0-1.7	0 - Clear	No Scrub Jays Observed
G11-G	4	MH	10/10/2014	8:44 AM	0	0	N/A	73	1.4	0 - Clear	No Scrub Jays Observed
G11-G	5	MRD	10/13/2014	9:50 AM	0	0	N/A	80	8 SE	0 - Clear	No Scrub Jays Observed
G11-G	6	MRD	10/20/2014	8:33 AM	0	0	N/A	70	3 E	0 - Clear	2 Jays sitting near G11-H2, but not coming toward G11-G
G11-H	1	MLD/MH	10/7/2014	9:56 AM	5	0	NE to SW, and SE to NW	72	0	() - (bar	Two families observed (2 and 3 birds each) one group defended the landscaped live oak (north group/3 birds), other group (south/2 birds) did not defend (see field map notes)
G11-H	2	MLD	10/8/2014	9:27 AM	2	0	N/A	76	0		Two adults west of pond - not defending or scolding - darting into brush
G11-H	3	ML	10/9/2014	8:12 AM	0	0	N/A	70	0-1.7		No Scrub Jays Observed
G11-H	4	МН	10/10/2014	8:32 AM	1	0	N/A	73	1.4	0 - Clear	One jay remained perched on sand pine from G11-H2 call (same individual for both stations). Bird flew south after hearing tape at this station. A goldfinch and thrasher were seen here as well.
G11-H	5	MRD	10/13/2014	9:40 AM	1	0	S TO N	79	5 SE		Sat on fence briefly
G11-H2	1	MLD/MH	10/7/2014	10:23 AM	2	0	N/A	75	3 SE		Two scrub jays in the distance at the northwest corner of the pond, alert
G11-H2	2	MLD	10/8/2014	9:46 AM	3	0	S TO N	77	0		Three adults flew from the south, stayed in oaks within the R/W, scolded, flew back to the south.
G11-H2	3	ML	10/9/2014	8:25 AM	0	0	N/A	70	0-1.7		No Scrub Jays Observed
G11-H2	4	MH	10/10/2014	8:21 AM	1	0	N/A	72	1.4	0 - Clear	first call to north, one of south birds alerted, perched on sand pine in south of retention pond area. No north of retention pond group could be called.
G11-H2	5	MRD	10/20/2014	8:27 AM	3	0	N TO S	68	3 E		Three birds flew from north to south
G11-I	1	MLD/MH	10/7/2014	9:45 AM	0	0	N/A	72	0		No Scrub Jays Observed
G11-I	2	MLD	10/8/2014	9:16 AM	0	0	N/A	72	0		No Scrub Jays Observed
G11-I	3	ML	10/8/2014	10:41 AM	0	0	N/A	83	0		No Scrub Jays Observed
G11-I	4	ML	10/9/2014	8:06 AM	0	0	N/A	70	0-1.7		No Scrub Jays Observed
G11-I	5	MH	10/9/2014	7:33 AM	0	0	N/A	69	0-1.7		No Scrub Jays Observed
G11-I	6	MRD	10/11/2014	9:30 AM	0	0	N/A N/A	79	8 SE		No Scrub Jays Observed
G11-I	7	MRD	10/13/2014	9.50 AIVI 8:21 AM	0	0	N/A N/A	68	0		No Scrub Jays Observed
G11-J	1	MLD/MH	10/7/2014	9:20 AM	1	0	unknown	72	0	0 - Clear	one scrub jay observed on side of Galveston Avenue on way to call station. Bird was north of the call station on Galveston Avenue. No birds came to station G11-J, but played tape at approximate area where individual scrub jay was seen and had 3 birds defending supplemental station (see field notes on map). Area where they were defending was approximately west of corner of Galveston and Geraldine.
G11-J	2	MLD	10/8/2014	8:59 AM	0	0	N/A	72	0		No Scrub Jays Observed
G11-J	3	MRD	10/9/2014	8:00 AM	0	0	N/A	70	0-1.7		No Scrub Jays Observed
G11-J	4	MRD	10/10/2014	8:57 AM	0	0	N/A	73	1.4		No Scrub Jays Observed
G11-J	5	MRD	10/13/2014	10:37 AM	2	0	W TO E	82	8 SE		called back - didn't show defence
G11-K	1	MH	10/10/2014	8:06 AM	0	0	N/A	72	1.4		No Scrub Jays Observed: mocking bird, blue jay, thrasher
G11-K	2	MH	10/11/2014	7:23 AM	0	0	N/A	69	1 SW		No Scrub Jays Observed
G11-K	3	MH	10/12/2014	8:23 AM	0	0	N/A	70	0		No Scrub Jays Observed
G11-K	4	MH	10/19/2014	11:08 AM	0	0	N/A	74	1-3 N		No Scrub Jays Observed: mocking bird
G11-K	5	MRD	10/20/2014	8:09 AM	0	0	N/A	64	0		No Scrub Jays Observed
G12-A	1	ML	10/8/2014	8:05 AM	0	0	N/A	67	0		No Scrub Jays Observed
G12-A	2	ML	10/9/2014	11:20 AM	0	0	N/A	81	1.8-4.8		No Scrub Jays Observed
G12-A	3	ML	10/10/2014	10:04 AM	0	0	N/A	80	2.1-4.6		No Scrub Jays Observed
G12-A	4	MLD	10/20/2014	8:29 AM	0	0	N/A	68	3 E		No Scrub Jays Observed: catbirds
G12-A	5	KM	10/22/2014	8:21 AM	0	0	N/A	68	0		No Scrub Jays Observed
G12-B	1	ML	10/8/2014	8:13 AM	0	0	N/A	67	0		No Scrub Jays Observed
G12-B	2	ML	10/9/2014	11:31 AM	0	0	N/A	81	1.8-4.8	0 - Clear	No Scrub Jays Observed
G12-B	3	ML	10/10/2014	10:08 AM	0	0	N/A	80	2.1-4.6	0 - Clear	No Scrub Jays Observed
G12-B	4	MLD	10/20/2014	8:39 AM	0	0	N/A	70	3 E	0 - Clear	No Scrub Jays Observed
G12-B	5	KM	10/22/2014	8:30 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed

Call Station #	Survey Call Event #	Reviewer	Date	Start Time	Adults Observed	Juveniles Observed	Direction of Flight	Temp (F)	Wind Speed & Direction (mph)	Precipitation & Visibility	Notes
G12-C	1	ML	10/8/2014	8:22 AM	0	0	N/A	67	0	0 - Clear	No Scrub Jays Observed
G12-C	2	ML	10/9/2014	11:36 AM	0	0	N/A	83	1.8-4.8		No Scrub Jays Observed
G12-C	3	ML	10/10/2014	10:15 AM	0	0	N/A	80	2.1-4.6		No Scrub Jays Observed
G12-C	4	MLD	10/20/2014	8:51 AM	0	0	N/A	70	3 E		No Scrub Jays Observed
G12-C	5	KM	10/22/2014	8:39 AM	0	0	N/A	68	0		No Scrub Jays Observed
G12-D	1	ML	10/8/2014	8:29 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G12-D	2	ML	10/9/2014	11:42 AM	0	0	N/A	83	1.8-4.8		No Scrub Jays Observed
G12-D	3	ML	10/10/2014	10:20 AM	0	0	N/A	80	2.1-4.6	0 - Clear	No Scrub Jays Observed
G12-D	4	MLD	10/20/2014	9:02 AM	0	0	N/A	72	3 E		No Scrub Jays Observed
G12-D	5	KM	10/22/2014	8:50 AM	0	0	N/A	68	1-4 NW	0 - Clear	No Scrub Jays Observed
G12-E	1	ML	10/8/2014	8:36 AM	0	0	N/A	73	0	0 - Clear	No Scrub Jays Observed
G12-E	2	MH	10/9/2014	11:37 AM	0	0	N/A	83	1.8-4.8	0 - Clear	No Scrub Jays Observed
G12-E	3	ML	10/10/2014	10:26 AM	0	0	N/A	81	2.1-4.6	0 - Clear	No Scrub Jays Observed
G12-E	4	MLD	10/20/2014	9:12 AM	0	0	N/A	74	2 E	0 - Clear	No Scrub Jays Observed
G12-E	5	KM	10/22/2014	8:59 AM	0	0	N/A	69	4 NW	0 - Clear	No Scrub Jays Observed
G12-F	1	ML	10/8/2014	8:44 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G12-F	2	MH	10/9/2014	11:48 AM	0	0	N/A	82	1.8-4.8	0 - Clear	No Scrub Jays Observed
G12-F	3	ML	10/10/2014	10:32 AM	0	0	N/A	81	2.1-4.6	0 - Clear	No Scrub Jays Observed
G12-F	4	MLD	10/20/2014	9:20 AM	0	0	N/A	74	2 E	0 - Clear	No Scrub Jays Observed
G12-F	5	KM	10/22/2014	9:08 AM	1	1	E TO W	69	3 NNW	0 - Clear	Birds came across I-4 from the area of the retention pond on the opposite side of I-4 (eastbound side) scolding heavily at first. Gathered acorns on westbound side. Birds were flying approximately 30 to 40 feet above I-4
G12-G	1	MRD	10/9/2014	11:30 AM	0	0	N/A	81	1.8-4.8		No Scrub Jays Observed
G12-G	2	ML	10/10/2014	10:38 AM	0	0	N/A	81	2.1-4.6		No Scrub Jays Observed
G12-G	3	MH	10/19/2014	11:32 AM	0	0	N/A	76	3-8 N		No Scrub Jays Observed - including E side of road. Played several different call varieties.
G12-G G12-G	5	MLD KM	10/20/2014	9:30 AM 9:21 AM	3	0	N/A E TO W	74 69	2 E 2 NW	0 - Clear	No Scrub Jays Observed One adult came to edge of the retention pond on the opposite side of I-4 but did not cross over. Two jays were spotted crossing back and forth approximately 30 to 40 feet over I-4 toward station G12-H. Jays seen at station G12-F did not respond.
G12-H	1	ML	10/8/2014	8:51 AM	0	0	N/A	72	0		No Scrub Jays Observed
G12-H	2	MRD	10/9/2014	11:38 AM	0	0	N/A	83	1.8-4.8		No Scrub Jays Observed
G12-H	3	ML	10/10/2014	10:43 AM	0	0	N/A	81	2.1-4.6		No Scrub Jays Observed
G12-H	4	MLD	10/20/2014	9:40 AM	0	0	N/A	74	2 E		No Scrub Jays Observed
G12-H	5	KM	10/22/2014	9:30 AM	2	0	E TO W	69	3 NW	O - Clear	Two jays crossed over I-4 from the south edge of the retention pond and crossed over I-4 (two round trips). Saw them through binoculars approximately 30 to 40 feet above I-4.
G12-I	1	ML	10/8/2014	8:58 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G12-I	2	MRD	10/9/2014	11:47 AM	0	0	N/A	82	1.8-4.8		No Scrub Jays Observed
G12-I	3	ML	10/10/2014	10:49 AM	0	0	N/A	81	2.1-4.6		No Scrub Jays Observed
G12-I	4	MLD	10/20/2014	9:55 AM	0	0	N/A	74	2 E		No Scrub Jays Observed
G12-I	5	KM	10/22/2014	9:49 AM	0	0	N/A	70	7 NW		No Scrub Jays Observed
G12-J	1	ML	10/8/2014	9:06 AM	0	0	N/A	72	0		No Scrub Jays Observed
G12-J	2	MRD	10/9/2014	11:55 AM	0	0	N/A	82	1.8-4.8		No Scrub Jays Observed
G12-J	3	ML	10/10/2014	10:56 AM	0	0	N/A	81	2.1-4.6		No Scrub Jays Observed
G12-J	4	MLD	10/20/2014	10:10 AM	0	0	N/A	76	2 E		No Scrub Jays Observed
G12-J	5	KM	10/22/2014	10:08 AM	0	0	N/A	70	3 NW		No Scrub Jays Observed
G12-K	1	ML	10/8/2014	9:18 AM	0	0	N/A	72	0		No Scrub Jays Observed
G12-K	2	ML	10/9/2014	11:54 AM	0	0	N/A	82	1.8-4.8		No Scrub Jays Observed
G12-K	3	ML	10/10/2014	11:03 AM	0	0	N/A	82	1.6-3.6 NW		No Scrub Jays Observed
G12-K	4	MRD	10/13/2014	8:16 AM	0	0	N/A	71	5 NNE		No Scrub Jays Observed
G12-K	5	MLD	10/20/2014	10:20 AM	0	0	N/A	76	2 E	0 - Clear	No Scrub Jays Observed

Call Station #	Survey Call Event #	Reviewer	Date	Start Time	Adults Observed	Juveniles Observed	Direction of Flight	Temp (F)	Wind Speed & Direction (mph)	Precipitation & Visibility	Notes
G12-L	1	ML	10/8/2014	9:25 AM	0	0	N/A	76	0	0 - Clear	No Scrub Jays Observed
G12-L	2	ML	10/9/2014	11:59 AM	2	0	NW TO SE	82	1.8-4.8	0 - Clear	1st bird perched nearly parallel to the edge of the R/W. perched on pine tree 30-40 yards away from station. 2nd bird came from NW, perched on snag pine tree directly in front of station. Birds arrive during 3 minutes of play.
G12-L	3	ML	10/10/2014	11:11 AM	0	0	N/A	82	1.6-3.6 NW	0 - Clear	No Scrub Jays Observed
G12-L	4	MRD	10/13/2014	8:35 AM	0	0	N/A	77	5 NNE	0 - Clear	No Scrub Jays Observed
G12-L	5	MLD	10/20/2014	10:29 AM	2	0	W TO E	76	2 E	0 - Clear	Two adults appeared at G12-L and scolded then crossed to G14-A (see G14-A)
G12-M	1	МН	10/8/2014	8:09 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G12-M	2	МН	10/9/2014	8:50 AM	0	0	N/A	72	0-1.7	0 - Clear	No Scrub Jays Observed
G12-M	3	МН	10/11/2014	7:57 AM	0	0	N/A	70	0	0 - Clear	No Scrub Jays Observed: Coopers hawk nearby
G12-M	4	МН	10/19/2014	10:31 AM	0	0	N/A	70	1-2 NW	0 - Clear	No Scrub Jays Observed
G12-M	5	МН	10/22/2014	9:39 AM	0	0	N/A	69	3 NW	0 - Clear	No Scrub Jays Observed
G13-A	1	ML	10/10/2014	8:56 AM	0	0	N/A	73	1.4	0 - Clear	No Scrub Jays Observed
G13-A	2	МН	10/12/2014	7:20 AM	0	0	N/A	69	0	0 - Clear	No Scrub Jays Observed: cardinal
G13-A	3	MH	10/19/2014	10:51 AM	0	0	N/A	72	1-3 NW	0 - Clear	No Scrub Jays Observed: cat bird, blue jay
G13-A	4	MLD	10/20/2014	10:45 AM	0	0	N/A	77	2 NE	0 - Clear	No Scrub Jays Observed
G13-A	5	MH	10/22/2014	10:54 AM	0	0	N/A	73	4 NW	0 - Clear	No Scrub Jays Observed: thrasher, three blue jays, two mocking birds
G13-B	1	ML	10/10/2014	9:05 AM	0	0	N/A	74	3.2	0 - Clear	No Scrub Jays Observed
G13-B	2	MH	10/12/2014	7:11 AM	0	0	N/A	69	0	0 - Clear	No Scrub Jays Observed: crows, cat bird, grackle, coopers hawk
G13-B	3	MRD	10/13/2014	12:00 PM	0	0	N/A	86	4 SE	0 - Clear	No Scrub Jays Observed
G13-B	4	MLD	10/20/2014	10:56 AM	0	0	N/A	77	4 NE	0 - Clear	No Scrub Jays Observed
G13-B	5	MH	10/22/2014	11:04 AM	0	0	N/A	73	3 NW	0 - Clear	No Scrub Jays Observed
G13-C	1	ML	10/8/2014	9:41 AM	0	0	N/A	77	1	0 - Clear	No Scrub Jays Observed - vegetation thick at this point, some other birds were observed
G13-C	2	ML	10/10/2014	8:18 AM	0	0	N/A	72	1.4	0 - Clear	No Scrub Jays Observed - Waited for fog to burn off in the morning before 8.
G13-C	3	MH	10/12/2014	7:38 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed No Scrub Jays Observed
G13-C	4	MRD	10/13/2014	9:05 AM	0	0	N/A	77	5 NNE	0 - Clear	No Scrub Jays Observed
G13-C	5	MH	10/20/2014	11:08 AM	0	0	N/A	77	4 NE	0 - Clear	No Scrub Jays Observed
G13-D	1	ML	10/8/2014	9:47 AM	0	0	N/A	77	0	0 - Clear	No Scrub Jays Observed - vegetation thick at this point, some other birds were observed
G13-D	2	ML	10/10/2014	8:28 AM	0	0	N/A	72	1.4	0 - Clear	No Scrub Jays Observed
G13-D	3	MH	10/12/2014	7:48 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G13-D	4	MRD	10/13/2014	9:18 AM	0	0	N/A	77	4 NNE	0 - Clear	No Scrub Jays Observed
G13-D	5	MH	10/20/2014	10:55 AM	0	0	N/A	77	4 NE		No Scrub Jays Observed
G13-F	1	ML	10/8/2014	9:54 AM	0	0	N/A	77	1	0 - Clear	No Scrub Jays Observed - vegetation thick at this point, some other birds were observed
G13-F	2	ML	10/3/2014	8:35 AM	0	0	N/A	73	1.4	0 - Clear	No Scrub Jays Observed No Scrub Jays Observed
G13-F	3	MH	10/12/2014	7:58 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G13-F	4	MH	10/20/2014	11:18 AM	0	0	N/A	78	5 E	0 - Clear	No Scrub Jays Observed
G13-F	5	MH	10/22/2014	10:32 AM	0	0	N/A	71	4 NW	0 - Clear	No Scrub Jays Observed
G13-G	1	ML	10/8/2014	10:06 AM	0	0	N/A	78	1	0 - Clear	No Scrub Jays Observed - vegetation thick at this point, some other birds were observed
G13-G	2	ML	10/10/2014	8:43 AM	0	0	N/A	73	1.4	0 - Clear	No Scrub Jays Observed No Scrub Jays Observed
G13-G	3	MH	10/12/2014	8:08 AM	0	0	N/A	69	0	0 - Clear	No Scrub Jays Observed: cardinal, mocking bird
G13-G	4	MH	10/20/2014	11:28 AM	0	0	N/A	78	5 E	0 - Clear	No Scrub Jays Observed
G13-G	5	MH	10/20/2014	10:41 AM	0	0	N/A	73	3 NW	0 - Clear	No Scrub Jays Observed
G14-A	1	ML	10/8/2014	9:30 AM	0	0	N/A	76	0	0 - Clear	No Scrub Jays Observed
G14-A	2	ML	10/9/2014	12:10 PM	2	0	NW TO SE	70	1.8-4.8	0 - Clear	Birds from station G12-L follow call to station G14-A on opposite side of ramp pavement. Both birds defended the habitat within the infield of the clover-leaf ramp system. 2nd bird continued to hang
								82			around long after playing was stopped.
G14-A	3	ML	10/10/2014	11:20 AM	0	0	N/A	82	1.6-3.6 NW	0 - Clear	No Scrub Jays Observed
G14-A	4	MRD	10/13/2014	8:47 AM	0	0	N/A	77	5 NNE		No Scrub Jays Observed
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Call	Call Event	Reviewer	Date	Start Time	Adults	Juveniles	Direction of	Temp (F)	& Direction	Precipitation &	Notes
Station #	#				Observed	Observed	Flight		(mph)	Visibility	
G14-A	5	MLD	10/20/2014	10:33 AM	2	0	N TO S, S TO N	76	2 E	0 - Clear	Once crossed off-ramp to G14-A from G12-L, 1 of 2 birds from G12-L followed over to G14-A and
											continued scolding until I left. Did not follow calls when I traversed approximately 100 feet toward I-4
G1-A	1	CC	10/8/2014	10:56 AM	0	0	N/A	84	0	0 - Clear	No Scrub Jays Observed
G1-A	2	CC	10/9/2014	11:10 AM	0	0	N/A	81	1.8-4.8	0 - Clear	No Scrub Jays Observed
G1-A	3	MRD	10/10/2014	11:34 AM	0	0	N/A	82	1.6-3.6 NW	0 - Clear	No Scrub Jays Observed
G1-A	4	MH	10/12/2014	11:17 AM	0	0	N/A	83	2-4 E	0 - Clear	No Scrub Jays Observed
G1-A	5	KM	10/20/2014	10:50 AM	0	0	N/A	77	4 NE	0 - Clear	No Scrub Jays Observed
G1-B	1	CC	10/8/2014	10:46 AM	0	0	N/A	83	0	0 - Clear	No Scrub Jays Observed
G1-B	2	CC	10/9/2014	11:00 AM	0	0	N/A	81	1.8-4.8	0 - Clear	No Scrub Jays Observed
G1-B	3	MRD	10/10/2014	11:21 AM	0	0	N/A	82	1.6-3.6 NW		No Scrub Jays Observed
G1-B	4	MH	10/12/2014	11:08 AM	0	0	N/A	83	2-4 E	0 - Clear	No Scrub Jays Observed
G1-B	5	KM	10/20/2014	10:40 AM	0	0	N/A	77	2 NE		No Scrub Jays Observed
G1-C	1	CC	10/8/2014	10:00 AM	0	0	N/A	78	1		No Scrub Jays Observed
G1-C	2	CC	10/9/2014	10:51 AM	0	0	N/A	81	1.7		No Scrub Jays Observed
G1-C	3	MRD	10/10/2014	11:13 AM	0	0	N/A	82	1.6-3.6 NW		No Scrub Jays Observed
G1-C	4	MH	10/19/2014	11:21 AM	0	0	N/A	75	3-8 N	0 - Clear	No Scrub Jays Observed
G1-C	5	KM	10/20/2014	10:30 AM	0	0	N/A	77	2 NE		No Scrub Jays Observed
G1-D	1	CC	10/8/2014	9:50 AM	0	0	N/A	77	1		No Scrub Jays Observed
G1-D	2	CC	10/9/2014	10:09 AM	0	0	N/A	78	1.7		No Scrub Jays Observed
G1-D	3	MRD	10/10/2014	10:50 AM	0	0	N/A	81	2.1-4.6		No Scrub Jays Observed
G1-D	4	MH	10/12/2014	10:41 AM	0	0	N/A	82	2 E		No Scrub Jays Observed
G1-D	5	KM	10/20/2014	10:20 AM	0	0	N/A	76	2 E		No Scrub Jays Observed
G1-E	1	CC	10/8/2014	10:29 AM	0	0	N/A	80	1		No Scrub Jays Observed
G1-E	2	CC	10/9/2014	10:40 AM	0	0	N/A	81	1.7		No Scrub Jays Observed
G1-E	3	MRD	10/10/2014	11:04 AM	0	0	N/A	82	1.6-3.6 NW		No Scrub Jays Observed
G1-E	4	MH	10/12/2014	10:59 AM	0	0	N/A	82	2-4 E		No Scrub Jays Observed: cardinal, blue jay
G1-E	5	KM	10/20/2014	11:00 AM	0	0	N/A	77	4 NE		No Scrub Jays Observed
G1-F	1	CC	10/8/2014	10:13 AM	1	0	W TO S	80	0		One adult came from west, stayed in tree stand to south.
G1-F	2	CC	10/9/2014	10:22 AM	1	0	NE TO SW	79	1.7	0 - Clear	One adult scrub jay. Hawk nearby
G1-F	3	MRD	10/10/2014	10:57 AM	0	0	N/A	81	2.1-4.6	0 - Clear	No Scrub Jays Observed
G1-F	4	MH	10/12/2014	10:50 AM	0	0	N/A	82	2 E		No Scrub Jays Observed
G1-F	5	MRD	10/13/2014	11:20 AM	0	0	N/A	83	4 N		No Scrub Jays Observed
G1-F	6	KM	10/20/2014	11:10 AM	0	0	N/A	77	4 NE		No Scrub Jays Observed
G2-A	1	MRD/ML	10/7/2014	8:10 AM	0	0	N/A	66	0		No Scrub Jays Observed
G2-A	2	MRD	10/8/2014	7:50 AM	0	0	N/A	66	0		No Scrub Jays Observed
G2-A	3	MRD	10/9/2014	9:14 AM	0	0	N/A	73	1.8		No Scrub Jays Observed
G2-A	4	MH	10/20/2014	8:03 AM	0	0	N/A	63	0		No Scrub Jays Observed
G2-A	5	KM	10/21/2014	7:28 AM	0	0	N/A	68	0		No Scrub Jays Observed
G2-B	1	MRD/ML	10/7/2014	8:21 AM	0	0	N/A	66	0		No Scrub Jays Observed
G2-B	2	MRD	10/8/2014	7:58 AM	0	0	N/A	66	0		No Scrub Jays Observed
G2-B	3	MRD	10/9/2014	9:20 AM	0	0	N/A	74	1.8		No Scrub Jays Observed
G2-B	4	MH	10/20/2014	8:11 AM	0	0	N/A	64	0		No Scrub Jays Observed
G2-B	5	KM	10/21/2014	7:37 AM	0	0	N/A	68	0		No Scrub Jays Observed
G2-C	1	MRD/ML	10/7/2014	8:32 AM	0	0	N/A	66	0		No Scrub Jays Observed
G2-C	2	MRD	10/8/2014	8:07 AM	0	0	N/A	72	0		No Scrub Jays Observed
G2-C	3	MRD	10/9/2014	9:28 AM	0	0	N/A	74	1.8		No Scrub Jays Observed
G2-C	4	MH	10/20/2014	8:20 AM	0	0	N/A	68	0		No Scrub Jays Observed
G2-C	5	KM	10/21/2014	7:47 AM	0	0	N/A	68	0		No Scrub Jays Observed
G2-D	1	MRD/ML	10/7/2014	8:40 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed

6.11	Survey					, ,	5: :: (Wind Speed		
Call	Call Event	Reviewer	Date	Start Time	Adults	Juveniles	Direction of	Temp (F)	& Direction	Precipitation &	Notes
Station #	#				Observed	Observed	Flight		(mph)	Visibility	
G2-D	2	MRD	10/8/2014	8:15 AM	0	0	N/A	67	0	0 - Clear	No Scrub Jays Observed
G2-D	3	MRD	10/9/2014	9:36 AM	0	0	N/A	76	1.8	0 - Clear	No Scrub Jays Observed
G2-D	4	МН	10/20/2014	8:29 AM	0	0	N/A	68	3 E	0 - Clear	No Scrub Jays Observed
G2-D	5	KM	10/21/2014	7:57 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G3-B	1	CC	10/8/2014	9:33 AM	0	0	N/A	75	1	0 - Clear	No Scrub Jays Observed
G3-B	2	CC	10/9/2014	9:56 AM	0	0	N/A	77	1.8	0 - Clear	No Scrub Jays Observed: mocking bird and red-shoulder hawk
G3-B	3	MRD	10/10/2014	10:43 AM	0	0	N/A	81	2.1-4.6	0 - Clear	No Scrub Jays Observed
G3-B	4	МН	10/12/2014	10:32 AM	0	0	N/A	81	2 SE	0 - Clear	No Scrub Jays Observed
G3-B	5	KM	10/20/2014	10:10 AM	0	0	N/A	76	2 E	0 - Clear	No Scrub Jays Observed
G3-C	1	CC	10/8/2014	9:22 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G3-C	2	CC	10/9/2014	9:45 AM	0	0	N/A	76	1.8	0 - Clear	No Scrub Jays Observed: Two king birds
G3-C	3	MRD	10/10/2014	10:35 AM	0	0	N/A	81	2.1-4.6	0 - Clear	No Scrub Jays Observed
G3-C	4	MH	10/12/2014	10:23 AM	0	0	N/A	81	2 SE	0 - Clear	No Scrub Jays Observed
G3-C	5	KM	10/20/2014	9:24 AM	0	0	N/A	74	2 E		No Scrub Jays Observed
G3-D	1	CC	10/8/2014	9:10 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G3-D	2	CC	10/9/2014	9:35 AM	0	0	N/A	76	1.8		No Scrub Jays Observed
G3-D	3	MRD	10/10/2014	10:27 AM	0	0	N/A	81	2.1-4.6	0 - Clear	No Scrub Jays Observed
G3-D	4	MH	10/12/2014	10:14 AM	0	0	N/A	80	1 SE	0 - Clear	No Scrub Jays Observed
G3-D	5	KM	10/20/2014	9:15 AM	0	0	N/A	74	2 E	0 - Clear	No Scrub Jays Observed
G3-E	1	CC	10/8/2014	9:01 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G3-E	2	CC	10/9/2014	9:25 AM	0	0	N/A	74	1.8	0 - Clear	No Scrub Jays Observed
G3-E	3	MRD	10/10/2014	10:19 AM	0	0	N/A	80	2.1-4.6	0 - Clear	No Scrub Jays Observed
G3-E	4	MH	10/12/2014	10:05 AM	0	0	N/A	79	0	0 - Clear	No Scrub Jays Observed
G3-E	5	KM	10/20/2014	9:05 AM	0	0	N/A	74	2 E	0 - Clear	No Scrub Jays Observed
G3-F	1	CC	10/8/2014	8:50 AM	0	0	N/A	72	0		No Scrub Jays Observed: king bird observed
G3-F	2	CC	10/9/2014	9:16 AM	0	0	N/A	73	1.8		No Scrub Jays Observed
G3-F	3	MRD	10/10/2014	10:11 AM	0	0	N/A	80	2.1-4.6		No Scrub Jays Observed
G3-F	4	MH	10/12/2014	9:56 AM	0	0	N/A	78	0	0 - Clear	No Scrub Jays Observed
G3-F	5	KM	10/20/2014	8:55 AM	0	0	N/A	72	3 E		No Scrub Jays Observed
G3-G	1	CC	10/8/2014	8:38 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed: Mocking bird call
G3-G	2	CC	10/9/2014	9:04 AM	0	0	N/A	72	1.8	0 - Clear	No Scrub Jays Observed
G3-G	3	MRD	10/10/2014	10:03 AM	0	0	N/A	80	3.2	0 - Clear	No Scrub Jays Observed
G3-G	4	MH	10/12/2014	9:47 AM	0	0	N/A	77	0	0 - Clear	No Scrub Jays Observed
G3-G	5	KM	10/20/2014	8:45 AM	0	0	N/A	70	3 E		No Scrub Jays Observed
G3-H	1	CC	10/8/2014	8:26 AM	0	0	N/A	72	0		No Scrub Jays Observed
G3-H	2	CC	10/9/2014	8:53 AM	0	0	N/A	72	0-1.7		No Scrub Jays Observed
G3-H	3	MRD	10/10/2014	9:55 AM	0	0	N/A	79	3.2		No Scrub Jays Observed
G3-H	4	MH	10/12/2014	9:37 AM	0	0	N/A	76	0		No Scrub Jays Observed: cardinals (pair), thrasher, downy woodpecker
G3-H	5	KM	10/20/2014	8:32 AM	0	0	N/A	68	3 E		No Scrub Jays Observed
G3-I	1	CC	10/8/2014	8:15 AM	0	0	N/A	67	0		No Scrub Jays Observed
G3-I	2	CC	10/9/2014	8:43 AM	0	0	N/A	71	0-1.7		No Scrub Jays Observed
G3-I	3	MRD	10/10/2014	9:46 AM	0	0	N/A	79	3.2		No Scrub Jays Observed
G3-I	4	MH	10/12/2014	9:28 AM	0	0	N/A	75	0		No Scrub Jays Observed
G3-I	5	KM	10/20/2014	8:22 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G3-J	1	CC	10/8/2014	8:03 AM	0	0	N/A	67	0		No Scrub Jays Observed
G3-J	2	CC	10/9/2014	8:33 AM	0	0	N/A	71	0-1.7		No Scrub Jays Observed
G3-J	3	MRD	10/10/2014	9:34 AM	0	0	N/A	76	3.2		No Scrub Jays Observed
G3-J	4	MH	10/12/2014	9:18 AM	0	0	N/A	74	0		No Scrub Jays Observed: cardinal
G3-J	5	KM	10/20/2014	8:09 AM	0	0	N/A	64	0		No Scrub Jays Observed
G3-K	1	CC	10/8/2014	7:53 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed

Second Column Second Colum	0.11	Survey					,	D		Wind Speed		
Section Color	Call	,	Reviewer	Date	Start Time	Adults	Juveniles	Direction of	Temp (F)	•	Precipitation &	Notes
Section Sect	Station #	#				Observed	Observed	Flight		(mph)	Visibility	
64 6 6 6 6 6 6 6 6 6	G3-K	2	CC	10/9/2014	8:20 AM	1	0	W TO E	70	0-1.7	0 - Clear	One adult sitting on fence
S	G3-K	3	MRD	10/10/2014	9:26 AM	0	0	N/A	76	3.2	0 - Clear	No Scrub Jays Observed
1	G3-K	4	MH	10/12/2014	9:07 AM	0	0	N/A	73	0	0 - Clear	No Scrub Jays Observed
Color	G3-K	5	KM	10/20/2014	7:57 AM	0	0	N/A	63	0	0 - Clear	No Scrub Jays Observed
Section Sect	G3-L	1	CC	10/8/2014	7:40 AM	3	0	unknown	66	0	0 - Clear	Sat in tree behind station and defended. Kingbird also observed.
Section Sect	G3-L	2	CC	10/9/2014	8:03 AM	0	0	N/A	70	0-1.7	0 - Clear	No Scrub Jays Observed: Three cardinals
Color	G3-L	3	MRD	10/10/2014	9:14 AM	0	0	N/A	74	3.2	0 - Clear	No Scrub Jays Observed
64 A 2	G3-L	4	MH	10/12/2014	8:57 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed: 2 doves and a red-headed woodpecker
GeA	G3-L	5	MRD	10/13/2014	11:10 AM	0	0	N/A	82	6 E	0 - Clear	No Scrub Jays Observed
GAA	G4-A	1	MRD/ML	10/7/2014	8:54 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed
G4A	G4-A	2	MRD	10/8/2014	8:22 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
Geolgian	G4-A	3	MRD	10/9/2014	9:42 AM	0	0	N/A	76	1.8	0 - Clear	No Scrub Jays Observed
Georgia 1	G4-A	4	MH	10/20/2014	8:38 AM	0	0	N/A	70	3 E	0 - Clear	No Scrub Jays Observed
G48 3 MRD 10/8/2014 8:30 AM 0 0 N/A 72 0 0 -Clear No Scribb Jayo Observed	G4-A	5	KM		8:07 AM	0	0	N/A	69	0		
G4-B 3 MRD 10/9/2014 9:50 AM 0 0 N/A 76 1.8 0 - Clear No Scrub Jayo Discrived	G4-B	1	MRD/ML	10/7/2014	9:03 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed
G4-B 4	G4-B	2	MRD	10/8/2014	8:30 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
GA-B S KM 10/21/2014 8:17 AM O O N/A 69 O O - Clear No Scrub Jays Observed	G4-B	3	MRD	10/9/2014	9:50 AM	0	0	N/A	76	1.8	0 - Clear	No Scrub Jays Observed
G4-C 1 MRD/ML 10/7/2014 9:12 AM 0 0 0 N/A 72 0 0 0 - Clear No Scrub Jays Observed	G4-B	4	MH	10/20/2014	8:47 AM	0	0	N/A	70	3 E	0 - Clear	No Scrub Jays Observed
G4-C 2	G4-B	5	KM	10/21/2014	8:17 AM	0	0	N/A	69	0	0 - Clear	No Scrub Jays Observed
G4-C 3	G4-C	1	MRD/ML	10/7/2014	9:12 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G4-C 4	G4-C	2	MRD	10/8/2014	8:37 AM	0	0	N/A	73	0	0 - Clear	No Scrub Jays Observed
G4-C 5	G4-C	3	MRD	10/9/2014	9:58 AM	0	0	N/A	77	1.8	0 - Clear	No Scrub Jays Observed
G4-D 1 MRD/NL 10/7/2014 9:24 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-D 2 MRD 10/8/2014 8:45 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-D 3 MRD 10/9/2014 9:06 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-D 5 KM 10/21/2014 9:36 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-E 1 MRD/JML 10/7/2014 9:33 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-E 2 MRD 10/9/2014 9:13 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-E 3 MRD 10/9/2014 9:15 AM 0 0 N/A 78 1.7 0 - Clear<	G4-C	4	MH			0	0		72	3 E	0 - Clear	No Scrub Jays Observed
G4-D 2 MRD 10/8/2014 8:45 AM 0 0 0 N/A 72 0 0 -Clear No Scrub Jays Observed G4-D 3 MRD 10/9/2014 9:05 AM 0 0 0 N/A 78 1.7 0 -Clear No Scrub Jays Observed G4-D 4 MH 10/20/2014 8:37 AM 0 0 0 N/A 74 2 E 0 -Clear No Scrub Jays Observed G4-D 5 KM 10/21/2014 8:37 AM 0 0 0 N/A 70 0 0 -Clear No Scrub Jays Observed G4-E 1 MRD/ML 10/7/2014 9:33 AM 0 0 0 N/A 72 0 0 0 -Clear No Scrub Jays Observed G4-E 2 MRD 10/8/2014 8:54 AM 0 0 0 N/A 72 0 0 0 -Clear No Scrub Jays Observed G4-E 3 MRD 10/9/2014 10:13 AM 0 0 0 N/A 72 0 0 0 -Clear No Scrub Jays Observed G4-E 4 M H 10/20/2014 9:15 AM 0 0 0 N/A 78 1.7 0 -Clear No Scrub Jays Observed G4-E 5 KM 10/21/2014 8:47 AM 0 0 0 N/A 78 1.7 0 -Clear No Scrub Jays Observed G4-E 5 KM 10/21/2014 8:47 AM 0 0 0 N/A 72 1 0 0 0 -Clear No Scrub Jays Observed G4-F 1 MRD/ML 10/7/2014 9:40 AM 0 0 N/A 72 0 0 0 -Clear No Scrub Jays Observed G4-F 1 MRD/ML 10/7/2014 8:47 AM 0 0 N/A 72 0 0 0 -Clear No Scrub Jays Observed G4-F 2 MRD 10/8/2014 8:00 AM 0 0 N/A 72 0 0 0 -Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 10:22 AM 0 0 N/A 72 0 0 0 -Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 10:22 AM 0 0 N/A 72 0 0 0 -Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 9:25 AM 0 0 N/A 79 1.7 0 Clear No Scrub Jays Observed G4-F 5 KM 10/21/2014 8:57 AM 0 0 N/A 79 1.7 0 Clear No Scrub Jays Observed G4-F 5 KM 10/21/2014 8:57 AM 0 0 N/A 79 1.7 0 Clear No Scrub Jays Observed G4-F 5 KM 10/21/2014 8:57 AM 0 0 N/A 70 0 0 Clear No Scrub Jays Observed G4-G 1 MRD/NL 10/7/2014 9:25 AM 0 0 N/A 70 0 0 Clear No Scrub Jays Observed G4-G 1 MRD/NL 10/7/2014 8:57 AM 0 0 N/A 70 0 0 Clear No Scrub Jays Observed G4-G 1 MRD/NL 10/7/2014 8:50 AM 0 0 N/A 70 0 0 Clear No Scrub Jays Observed G4-G 1 MRD/NL 10/7/2014 8:50 AM 0 0 N/A 70 0 0 Clear No Scrub Jays Observed G4-G 1 MRD/NL 10/7/2014 8:50 AM 0 0 N/A 70 0 O Clear No Scrub Jays Observed G4-G 1 MRD/NL 10/7/2014 8:00 AM 0 0 N/A 70 0 O Clear No Scrub Jays Observed G4-G 1 MRD/NL 10/7/2014 8:00 AM 0 0 N/A 70 0 O Clear No Scrub Jays Observed G4-G 1 MRD/NL 10/7/2014 8:00 AM 0 0 N/A 70 0	G4-C	5	KM	10/21/2014	8:27 AM	0	0	N/A		0	0 - Clear	No Scrub Jays Observed
G4-D 3	G4-D	1	MRD/ML	10/7/2014	9:24 AM	0	0		72	0		No Scrub Jays Observed
G4-D 4 MH 10/20/2014 9:06 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-D 5 KM 10/72/1014 8:37 AM 0 0 0 N/A 70 0 0 - Clear No Scrub Jays Observed G4-E 1 MRD/ML 10/7/2014 9:33 AM 0 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-E 2 MRD 10/8/2014 8:54 AM 0 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-E 3 MRD 10/9/2014 10:13 AM 0 0 0 N/A 78 1.7 0 - Clear No Scrub Jays Observed G4-E 4 MH 10/20/2014 9:15 AM 0 0 N/A 78 1.7 0 - Clear No Scrub Jays Observed G4-E 5 KM 10/21/2014 8:47 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-E 5 KM 10/21/2014 9:40 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-F 1 MRD/ML 10/7/2014 9:40 AM 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 2 MRD 10/8/2014 9:04 AM 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 9:04 AM 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 9:04 AM 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 9:04 AM 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 9:55 AM 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 1 MRD/ML 10/7/2014 9:55 AM 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 5 KM 10/21/2014 8:57 AM 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-G 1 MRD/ML 10/7/2014 9:52 AM 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-G 1 MRD/ML 10/7/2014 8:57 AM 0 N/A 70 0 N/A 72 NO Scrub Jays Observed G4-G 2 MH 10/8/2014 10:49 AM 0 N/A 72 0 O - Clear No Scrub Jays Observed G4-G 3 MH 10/9/2014 8:09 AM 0 N/A 70 N/A	G4-D	2				0	0			0		
G4-D S	G4-D	3	MRD	10/9/2014	10:05 AM	0	0	N/A		1.7		, and the same of
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G4-E 2 MRD 10/8/2014 8:54 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-E 3 MRD 10/9/2014 10:13 AM 0 0 N/A 78 1.7 0 - Clear No Scrub Jays Observed G4-E 4 MH 10/20/2014 9:15 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-E 5 KM 10/21/2014 8:47 AM 0 0 N/A 70 0 0 - Clear No Scrub Jays Observed G4-F 1 MRD/ML 10/7/2014 9:40 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 10:22 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-F 4 MH 10/20/2014 9:52 AM 0 0 N/A 74 2 E 0 - Clear<	G4-D	5	KM	10/21/2014	8:37 AM	0	0	N/A	70	0	0 - Clear	No Scrub Jays Observed
G4-E 3 MRD 10/9/2014 10:13 AM 0 0 N/A 78 1.7 0 - Clear No Scrub Jays Observed G4-E 4 MH 10/20/2014 9:15 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-E 5 KM 10/21/2014 8:47 AM 0 0 N/A 70 0 0 - Clear No Scrub Jays Observed G4-F 1 MRD/ML 10/7/2014 9:40 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 2 MRD 10/8/2014 9:04 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 9:25 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-F 5 KM 10/21/2014 8:57 AM 0 0 N/A 72 0 0 - Clear <td>G4-E</td> <td>1</td> <td>MRD/ML</td> <td>10/7/2014</td> <td>9:33 AM</td> <td>0</td> <td>0</td> <td>•</td> <td>72</td> <td>0</td> <td></td> <td></td>	G4-E	1	MRD/ML	10/7/2014	9:33 AM	0	0	•	72	0		
G4-E 4 MH 10/20/2014 9:15 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-E 5 KM 10/21/2014 8:47 AM 0 0 N/A 70 0 0 - Clear No Scrub Jays Observed G4-F 1 MRD/ML 10/7/2014 9:04 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 2 MRD 10/8/2014 9:04 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 9:02 AM 0 0 N/A 79 1.7 0 - Clear No Scrub Jays Observed G4-F 4 MH 10/20/2014 9:52 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-G 1 MRD/ML 10/7/2014 8:57 AM 0 0 N/A 72 0 0 - Clear </td <td>G4-E</td> <td>2</td> <td>MRD</td> <td>10/8/2014</td> <td>8:54 AM</td> <td>0</td> <td>0</td> <td>N/A</td> <td>72</td> <td>0</td> <td>0 - Clear</td> <td>No Scrub Jays Observed</td>	G4-E	2	MRD	10/8/2014	8:54 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G4-E 5 KM 10/21/2014 8:47 AM 0 0 N/A 70 0 0 - Clear No Scrub Jays Observed G4-F 1 MRD/ML 10/7/2014 9:40 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 2 MRD 10/8/2014 9:04 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-F 3 MRD 10/9/2014 10:22 AM 0 0 N/A 79 1.7 0 - Clear No Scrub Jays Observed G4-F 4 MH 10/20/2014 9:25 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-F 5 KM 10/21/2014 9:52 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-G 1 MRD/ML 10/8/2014 9:52 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-G 2 MH </td <td></td> <td>3</td> <td></td> <td></td> <td></td> <td>0</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td>·</td>		3				0	0					·
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G4-F 4 MH 10/20/2014 9:25 AM 0 0 N/A 74 2 E 0 - Clear No Scrub Jays Observed G4-F 5 KM 10/21/2014 8:57 AM 0 0 N/A 70 0 0 - Clear No Scrub Jays Observed G4-G 1 MRD/ML 10/7/2014 9:52 AM 0 0 N/A 72 0 0 - Clear No Scrub Jays Observed G4-G 2 MH 10/8/2014 10:49 AM 0 0 N/A 70 0 - 1.7 0 - Clear No Scrub Jays Observed G4-G 3 MH 10/9/2014 8:10 AM 0 0 N/A 81 1-4 E 0 - Clear No Scrub Jays Observed G4-G 4 MH 10/11/2014 11:05 AM 0 0 N/A 81 1-4 E 0 - Clear No Scrub Jays Observed Cardinals (pair) G4-H 1 MRD/ML 10/9/2014 8:09 AM 0 0 N/A 75 <td></td> <td>2</td> <td>MRD</td> <td></td> <td></td> <td>0</td> <td>0</td> <td></td> <td></td> <td>_</td> <td></td> <td>·</td>		2	MRD			0	0			_		·
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G4-G 4 MH 10/11/2014 11:05 AM 0 0 N/A 81 1-4 E 0 - Clear No Scrub Jays Observed G4-G 5 MH 10/19/2014 8:09 AM 0 0 N/A 63 2 NW 0 - Clear No Scrub Jays Observed: Cardinals (pair) G4-H 1 MRD/ML 10/7/2014 10:20 AM 0 0 N/A 75 4 SE 0 - Clear No Scrub Jays Observed G4-H 2 MH 10/8/2014 11:04 AM 0 0 N/A 70 0 - Clear No Scrub Jays Observed: cardinals (pair) G4-H 3 MH 10/9/2014 7:54 AM 0 0 N/A 70 0 - 1.7 0 - Clear No Scrub Jays Observed G4-H 4 MH 10/11/2014 10:49 AM 0 0 N/A 80 1-4 E 0 - Clear No Scrub Jays Observed G4-H 5 MH 10/19/2014 7:53 AM 0 0 N/A 63		2				0	0			_		·
G4-G 5 MH 10/19/2014 8:09 AM 0 0 N/A 63 2 NW 0 - Clear No Scrub Jays Observed: Cardinals (pair) G4-H 1 MRD/ML 10/7/2014 10:20 AM 0 0 N/A 75 4 SE 0 - Clear No Scrub Jays Observed G4-H 2 MH 10/8/2014 11:04 AM 0 0 N/A 84 0 0 - Clear No Scrub Jays Observed: cardinals (pair) G4-H 3 MH 10/9/2014 7:54 AM 0 0 N/A 70 0-1.7 0 - Clear No Scrub Jays Observed G4-H 4 MH 10/11/2014 10:49 AM 0 0 N/A 80 1-4 E 0 - Clear No Scrub Jays Observed G4-H 5 MH 10/19/2014 7:53 AM 0 0 N/A 63 2 NW 0 - Clear No Scrub Jays Observed: Blue jay		3				0	0		70	0-1.7		
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G4-H 2 MH 10/8/2014 11:04 AM 0 0 N/A 84 0 0 - Clear No Scrub Jays Observed: cardinals (pair) G4-H 3 MH 10/9/2014 7:54 AM 0 0 N/A 70 0-1.7 0 - Clear No Scrub Jays Observed G4-H 4 MH 10/11/2014 10:49 AM 0 0 N/A 80 1-4 E 0 - Clear No Scrub Jays Observed G4-H 5 MH 10/19/2014 7:53 AM 0 0 N/A 63 2 NW 0 - Clear No Scrub Jays Observed: Blue jay	G4-G	5				0	0		63	2 NW	0 - Clear	No Scrub Jays Observed: Cardinals (pair)
G4-H 3 MH 10/9/2014 7:54 AM 0 0 N/A 70 0-1.7 0 - Clear No Scrub Jays Observed G4-H 4 MH 10/11/2014 10:49 AM 0 0 N/A 80 1-4 E 0 - Clear No Scrub Jays Observed G4-H 5 MH 10/19/2014 7:53 AM 0 0 N/A 63 2 NW 0 - Clear No Scrub Jays Observed: Blue jay	G4-H	1	MRD/ML		10:20 AM	0	0	N/A	75	4 SE	0 - Clear	No Scrub Jays Observed
G4-H 4 MH 10/11/2014 10:49 AM 0 0 N/A 80 1-4 E 0 - Clear No Scrub Jays Observed G4-H 5 MH 10/19/2014 7:53 AM 0 0 N/A 63 2 NW 0 - Clear No Scrub Jays Observed: Blue jay		2	МН			0	0		84	0		
G4-H 5 MH 10/19/2014 7:53 AM 0 0 N/A 63 2 NW 0 - Clear No Scrub Jays Observed: Blue jay	G4-H	3	MH	10/9/2014	7:54 AM	0	0	N/A	70	0-1.7		•
	G4-H	4	МН	10/11/2014	10:49 AM	0	0	N/A	80	1-4 E	0 - Clear	No Scrub Jays Observed
G5-A 1 MLD 10/8/2014 11:26 AM 0 0 N/A 84 0 0 - Clear No Scrub Jays Observed	G4-H	5	MH	10/19/2014	7:53 AM	0	0	N/A	63	2 NW	0 - Clear	No Scrub Jays Observed: Blue jay
	G5-A	1	MLD	10/8/2014	11:26 AM	0	0	N/A	84	0	0 - Clear	No Scrub Jays Observed

Call Station #	Survey Call Event	Reviewer	Date	Start Time	Adults Observed	Juveniles Observed	Direction of Flight	Temp (F)	Wind Speed & Direction (mph)	Precipitation & Visibility	Notes
G5-A	2	ML	10/9/2014	10:43 AM	0	0	N/A	81	1.7	0 - Clear	No Scrub Jays Observed
G5-A	3	MH	10/10/2014	11:37 AM	0	0	N/A	84	1.6-3.6 NW		No Scrub Jays Observed
G5-A	4	МН	10/12/2014	8:36 AM	0	0	N/A	71	0		No Scrub Jays Observed: Cardinals (pair)
G5-A	5	MRD	10/20/2014	10:57 AM	0	0	N/A	77	4 NE		No Scrub Jays Observed
G5-B	1	CC	10/8/2014	11:23 AM	0	0	N/A	84	0		No Scrub Jays Observed
G5-B	2	ML	10/9/2014	10:54 AM	0	0	N/A	81	1.8-4.8		No Scrub Jays Observed
G5-B	3	MH	10/10/2014	11:48 AM	0	0	N/A	84	1.6-3.6 NW		No Scrub Jays Observed
G5-B	4	МН	10/12/2014	8:46 AM	0	0	N/A	71	0		No Scrub Jays Observed
G5-B	5	MRD	10/20/2014	11:05 AM	0	0	N/A	77	4 NE		No Scrub Jays Observed
G5-C	1	ML	10/8/2014	11:12 AM	0	0	N/A	84	0		No Scrub Jays Observed
G5-C	2	ML	10/9/2014	10:34 AM	0	0	N/A	79	1.7		No Scrub Jays Observed
G5-C	3	МН	10/10/2014	11:58 AM	0	0	N/A	84	1.6-3.6 NW		No Scrub Jays Observed
G5-C	4	MRD	10/20/2014	10:49 AM	0	0	N/A	77	2 NE		No Scrub Jays Observed
G5-C	5	KM	10/21/2014	10:39 AM	0	0	N/A	78	0		No Scrub Jays Observed
G5-D	1	MLD	10/8/2014	11:16 AM	0	0	N/A	84	0		No Scrub Jays Observed
G5-D	2	ML	10/9/2014	10:26 AM	0	0	N/A	79	1.7		No Scrub Jays Observed
G5-D	3	MH	10/10/2014	11:27 AM	0	0	N/A	82	1.6-3.6 NW		No Scrub Jays Observed
G5-D	4	MRD	10/20/2014	10:42 AM	0	0	N/A	77	2 NE		No Scrub Jays Observed
G5-D	5	KM	10/21/2014	10:29 AM	0	0	N/A	76	0		No Scrub Jays Observed
G5-E	1	MRD	10/8/2014	11:10 AM	0	0	N/A	84	0		No Scrub Jays Observed
G5-E	2	ML	10/9/2014	10:21 AM	0	0	N/A	79	1.7		No Scrub Jays Observed - no habitat/next to wetland
G5-E	3	MH	10/10/2014	11:18 AM	0	0	N/A	82	1.6-3.6 NW		No Scrub Jays Observed
G5-E	4	MRD	10/20/2014	10:34 AM	0	0	N/A	77	2 NE	0 - Clear	No Scrub Jays Observed
G5-E	5	KM	10/21/2014	10:20 AM	0	0	N/A	75	0	0 - Clear	No Scrub Jays Observed
G6-A	1	MRD/ML	10/7/2014	10:34 AM	0	0	N/A	75	0.8 SE	0 - Clear	No Scrub Jays Observed
G6-A	2	MRD	10/8/2014	10:05 AM	0	0	N/A	78	1	0 - Clear	No Scrub Jays Observed
G6-A	3	MRD	10/9/2014	10:34 AM	0	0	N/A	79	1.7	0 - Clear	No Scrub Jays Observed
G6-A	4	MH	10/20/2014	9:45 AM	0	0	N/A	74	2 E	0 - Clear	No Scrub Jays Observed
G6-A	5	KM	10/21/2014	9:10 AM	0	0	N/A	70	0	0 - Clear	No Scrub Jays Observed
G6-B	1	MRD/ML	10/7/2014	10:46 AM	0	0	N/A	75	1.9 SE	0 - Clear	No Scrub Jays Observed
G6-B	2	MRD	10/8/2014	10:14 AM	0	0	N/A	80	0	0 - Clear	No Scrub Jays Observed
G6-B	3	MRD	10/9/2014	10:41 AM	0	0	N/A	81	1.7	0 - Clear	No Scrub Jays Observed
G6-B	4	MH	10/20/2014	9:55 AM	0	0	N/A	74	2 E	0 - Clear	No Scrub Jays Observed
G6-B	5	KM	10/21/2014	9:19 AM	0	0	N/A	71	0	0 - Clear	No Scrub Jays Observed
G6-C	1	MRD/ML	10/7/2014	10:53 AM	0	0	N/A	75	1.9 SE	0 - Clear	No Scrub Jays Observed
G6-C	2	MRD	10/8/2014	10:22 AM	0	0	N/A	80	1	0 - Clear	No Scrub Jays Observed
G6-C	3	MRD	10/9/2014	10:49 AM	0	0	N/A	81	1.7		No Scrub Jays Observed
G6-C	4	MH	10/20/2014	10:04 AM	0	0	N/A	76	2 E		No Scrub Jays Observed
G6-C	5	KM	10/21/2014	9:29 AM	0	0	N/A	72	0		No Scrub Jays Observed
G6-D	1	MRD/ML	10/7/2014	11:02 AM	0	0	N/A	75	1.9 SE	0 - Clear	No Scrub Jays Observed
G6-D	2	MRD	10/8/2014	10:31 AM	0	0	N/A	80	1	0 - Clear	No Scrub Jays Observed
G6-D	3	MRD	10/9/2014	10:56 AM	0	0	N/A	81	1.8-4.8	0 - Clear	No Scrub Jays Observed
G6-D	4	MH	10/20/2014	10:13 AM	0	0	N/A	76	2 E	0 - Clear	No Scrub Jays Observed
G6-D	5	KM	10/21/2014	9:38 AM	0	0	N/A	72	0		No Scrub Jays Observed
G6-E	1	MRD/ML	10/7/2014	11:10 AM	0	0	N/A	75	1.9 SE		No Scrub Jays Observed
G6-E	2	MRD	10/8/2014	10:40 AM	0	0	N/A	83	0		No Scrub Jays Observed
G6-E	3	MRD	10/9/2014	11:03 AM	0	0	N/A	81	1.8-4.8		No Scrub Jays Observed
G6-E	4	MH	10/20/2014	10:23 AM	0	0	N/A	76	2 E		No Scrub Jays Observed
G6-E	5	KM	10/21/2014	9:48 AM	0	0	N/A	73	0	0 - Clear	No Scrub Jays Observed
G6-F	1	MRD/ML	10/7/2014	11:22 AM	0	0	N/A	75	1.9 SE	0 - Clear	No Scrub Jays Observed

Call Station #	Survey Call Event	Reviewer	Date	Start Time	Adults Observed	Juveniles Observed	Direction of Flight	Temp (F)	Wind Speed & Direction	Precipitation & Visibility	Notes
G6-F	2	MRD	10/8/2014	10:48 AM	0	0	N/A	83	(mph) 0	0 - Clear	No Scrub Jays Observed
G6-F	3	MRD	10/8/2014	10.48 AW 11:11 AM	0	0	N/A N/A	81	1.8-4.8		No Scrub Jays Observed
G6-F	4	MH	10/9/2014	10:32 AM	0	0	N/A N/A	77	2 NE		No Scrub Jays Observed
G6-F	5	KM	10/20/2014	9:57 AM	0	0	N/A N/A	73	0 0		No Scrub Jays Observed
G6-G	1	MRD/ML	10/21/2014	11:34 AM	0	0	N/A N/A	75	1.9 SE		No Scrub Jays Observed
G6-G	2	MRD	10/7/2014	10:56 AM	0	0	N/A N/A	84	0		No Scrub Jays Observed
G6-G	3	MRD	10/9/2014	10:30 AM	0	0	N/A	81	1.8-4.8		No Scrub Jays Observed
G6-G	4	MH	10/3/2014	10:41 AM	0	0	N/A	77	2 NE		No Scrub Jays Observed
G6-G	5	KM	10/20/2014	10:41 AM	0	0	N/A	74	0		No Scrub Jays Observed
G7-A	1	MLD	10/8/2014	11:10 AM	0	0	N/A	84	0		No Scrub Jays Observed
G7-A	2	ML	10/8/2014	10:15 AM	0	0	N/A N/A	79	1.7		No Scrub Jays Observed
G7-A	3	MH	10/10/2014	11:10 AM	0	0	N/A	82	1.6-3.6 NW		No Scrub Jays Observed:
G7-A	4	KM	10/10/2014	7:10 AM	0	0	N/A	67	0		No Scrub Jays Observed
G7-A G7-A	5	KM	10/21/2014	7:10 AIVI 7:20 AM	0	0	N/A N/A	63	0		No Scrub Jays Observed
G7-A G7-B	1	ML	10/22/2014	11:08 AM	0	0	N/A N/A	84	0		No Scrub Jays Observed
G7-В G7-В	2	ML	10/8/2014	10:08 AM	0	0	N/A N/A	78	1.7		No Scrub Jays Observed
G7-B	3	MH	10/10/2014	11:02 AM	0	0	N/A	82	2.1-4.6		No Scrub Jays Observed
G7-B	4	MRD	10/20/2014	10:26 AM	0	0	N/A N/A	76	2.1-4.0 2 E		No Scrub Jays Observed
G7-В G7-В	5	KM	10/20/2014	11:20 AM	0	0	N/A	75	2 NW		No Scrub Jays Observed
G7-B	1	MLD	10/8/2014	11:01 AM	0	0	N/A	84	0		No Scrub Jays Observed
G7-C	2	ML	10/9/2014	10:01 AM	0	0	N/A	78	1.7		No Scrub Jays Observed
G7-C	3	MH	10/10/2014	10:51 AM	0	0	N/A	81	2.1-4.6		No Scrub Jays Observed: Mocking bird
G7-C	4	MRD	10/20/2014	10:33 AM	0	0	N/A	76	2.1-4.0 2 E		No Scrub Jays Observed
G7-C	5	KM	10/22/2014	11:09 AM	0	0	N/A	73	3 NW		No Scrub Jays Observed
G7-D	1	ML	10/8/2014	11:00 AM	0	0	N/A	84	0		No Scrub Jays Observed
G7-D	2	ML	10/9/2014	9:53 AM	0	0	N/A	77	1.8		No Scrub Jays Observed
G7-D	3	MH	10/10/2014	10:44 AM	0	0	N/A	81	2.1-4.6		No Scrub Jays Observed: blue jay
G7-D	4	MRD	10/20/2014	10:13 AM	0	0	N/A	76	2 E		No Scrub Jays Observed
G7-D	5	KM	10/22/2014	10:59 AM	0	0	N/A	73	3 NW		No Scrub Jays Observed
G7-E	1	ML	10/8/2014	10:54 AM	0	0	N/A	84	1		No Scrub Jays Observed
G7-E	2	ML	10/9/2014	9:47 AM	0	0	N/A	76	1.8		No Scrub Jays Observed
G7-E	3	MH	10/10/2014	10:35 AM	0	0	N/A	81	2.1-4.6		No Scrub Jays Observed
G7-E	4	MRD	10/20/2014	10:06 AM	0	0	N/A	76	2 E		No Scrub Jays Observed
G7-E	5	KM	10/22/2014	10:48 AM	0	0	N/A	73	4 NW		No Scrub Jays Observed
G7-F	1	MLD	10/8/2014	10:51 AM	0	0	N/A	84	1		No Scrub Jays Observed: mocking bird
G7-F	2	ML	10/9/2014	9:42 AM	0	0	N/A	76	1.8		No Scrub Jays Observed
G7-F	3	МН	10/10/2014	10:25 AM	0	0	N/A	81	2.1-4.6		No Scrub Jays Observed
G7-F	4	MRD	10/20/2014	10:00 AM	0	0	N/A	76	2 E		No Scrub Jays Observed
G7-F	5	KM	10/22/2014	10:39 AM	0	0	N/A	73	3 NW		No Scrub Jays Observed
G7-G	1	ML	10/8/2014	10:49 AM	0	0	N/A	84	0		No Scrub Jays Observed
G7-G	2	ML	10/9/2014	9:36 AM	0	0	N/A	76	1.8		No Scrub Jays Observed
G7-G	3	МН	10/10/2014	10:16 AM	0	0	N/A	80	2.1-4.6		No Scrub Jays Observed
G7-G	4	MRD	10/20/2014	9:51 AM	0	0	N/A	74	2 E		No Scrub Jays Observed
G7-G	5	KM	10/22/2014	10:30 AM	0	0	N/A	71	4 NW		No Scrub Jays Observed
G7-H	1	MLD	10/8/2014	10:43 AM	0	0	N/A	83	0		No Scrub Jays Observed: flicker
G7-H	2	ML	10/9/2014	9:31 AM	0	0	N/A	74	1.8		No Scrub Jays Observed
G7-H	3	МН	10/10/2014	10:06 AM	0	0	N/A	80	2.1-4.6		No Scrub Jays Observed
G7-H	4	MRD	10/20/2014	9:39 AM	0	0	N/A	74	2 E		No Scrub Jays Observed
G7-H	5	KM	10/22/2014	10:21 AM	0	0	N/A	71	3 NW		No Scrub Jays Observed
G7-I	1	MLD	10/8/2014	10:35 AM	0	0	N/A	83	0		No Scrub Jays Observed: mockingbird

G-11	Survey				A al. II	1	Directi C		Wind Speed	Description 11 C	
Call	Call Event	Reviewer	Date	Start Time	Adults	Juveniles	Direction of	Temp (F)	& Direction	Precipitation &	Notes
Station #	#				Observed	Observed	Flight		(mph)	Visibility	
G7-I	2	ML	10/9/2014	9:22 AM	0	0	N/A	74	1.8	0 - Clear	No Scrub Jays Observed
G7-I	3	MH	10/10/2014	9:55 AM	0	0	N/A	80	3.2	0 - Clear	No Scrub Jays Observed
G7-I	4	MRD	10/20/2014	9:31 AM	0	0	N/A	74	2 E	0 - Clear	No Scrub Jays Observed
G7-I	5	KM	10/22/2014	10:09 AM	0	0	N/A	71	3 NW	0 - Clear	No Scrub Jays Observed
G8-A	1	ML	10/8/2014	7:35 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed
G8-A	2	CC	10/9/2014	11:24 AM	0	0	N/A	81	1.8-4.8	0 - Clear	No Scrub Jays Observed
G8-A	3	ML	10/10/2014	9:29 AM	0	0	N/A	76	3.2	0 - Clear	No Scrub Jays Observed
G8-A	4	MLD	10/20/2014	8:03 AM	0	0	N/A	63	0	0 - Clear	No Scrub Jays Observed
G8-A	5	KM	10/22/2014	7:53 AM	0	0	N/A	65	0	0 - Clear	No Scrub Jays Observed
G8-B	1	ML	10/8/2014	7:42 AM	0	0	N/A	71	0	0 - Clear	No Scrub Jays Observed
G8-B	2	CC	10/9/2014	11:35 AM	0	0	N/A	83	1.8-4.8	0 - Clear	No Scrub Jays Observed
G8-B	3	ML	10/10/2014	9:46 AM	0	0	N/A	79	3.2	0 - Clear	No Scrub Jays Observed
G8-B	4	MLD	10/20/2014	8:12 AM	0	0	N/A	64	0	0 - Clear	No Scrub Jays Observed
G8-B	5	KM	10/22/2014	8:02 AM	0	0	N/A	68	0		No Scrub Jays Observed
G8-C	1	ML	10/8/2014	7:55 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed
G8-C	2	CC	10/9/2014	11:45 AM	0	0	N/A	83	1.8-4.8	0 - Clear	No Scrub Jays Observed
G8-C	3	ML	10/10/2014	9:56 AM	0	0	N/A	80	3.2	0 - Clear	No Scrub Jays Observed
G8-C	4	MLD	10/20/2014	8:20 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G8-C	5	KM	10/22/2014	8:11 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G8-D	1	MH	10/8/2014	7:42 AM	0	0	N/A	71	0	0 - Clear	No Scrub Jays Observed: cardinal, blue jays
G8-D	2	MH	10/9/2014	8:26 AM	0	0	N/A	71	0-1.7	0 - Clear	No Scrub Jays Observed: cardinals (pair), catbird
G8-D	3	MH	10/11/2014	10:26 AM	0	0	N/A	80	1-2 E	0 - Clear	No Scrub Jays Observed: mocking bird
G8-D	4	MRD	10/13/2014	11:40 AM	0	0	N/A	84	3 SSE	0 - Clear	No Scrub Jays Observed
G8-D	5	МН	10/19/2014	8:22 AM	0	0	N/A	63	2 NW	0 - Clear	No Scrub Jays Observed
G8-E	1	МН	10/8/2014	8:24 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed: towhee
G8-E	2	МН	10/9/2014	9:07 AM	0	0	N/A	73	1.8	0 - Clear	No Scrub Jays Observed: two red-shoulder hawks nearby
G8-E	3	МН	10/11/2014	8:15 AM	0	0	N/A	70	0	0 - Clear	No Scrub Jays Observed: Towhee
G8-E	4	МН	10/19/2014	10:19 AM	0	0	N/A	69	1-5 NW	0 - Clear	No Scrub Jays Observed
G8-E	5	МН	10/22/2014	8:15 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed: songbird activity, nothing came to tape
G8-F	1	МН	10/8/2014	8:35 AM	0	0	N/A	73	0		No Scrub Jays Observed: blue jay
G8-F	2	МН	10/9/2014	9:19 AM	0	0	N/A	74	1.8	0 - Clear	No Scrub Jays Observed
G8-F	3	МН	10/11/2014	8:26 AM	0	0	N/A	71	0	0 - Clear	No Scrub Jays Observed: cardinal, pileated woodpecker, mocking bird
G8-F	4	МН	10/19/2014	10:10 AM	0	0	N/A	68	1-5 NW	0 - Clear	No Scrub Jays Observed
G8-F	5	МН	10/22/2014	8:25 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed: mocking bird, blue jay
G8-G	1	МН	10/8/2014	8:49 AM	0	0	N/A	73	0	0 - Clear	No Scrub Jays Observed
G8-G	2	MH	10/9/2014	10:25 AM	0	0	N/A	79	1.7	0 - Clear	No Scrub Jays Observed
G8-G	3	МН	10/11/2014	8:36 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G8-G	4	МН	10/19/2014	10:01 AM	0	0	N/A	68	1-5 NW	0 - Clear	No Scrub Jays Observed
G8-G	5	МН	10/22/2014	8:35 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G8-H	1	MH	10/8/2014	8:59 AM	0	0	N/A	74	0	0 - Clear	No Scrub Jays Observed: cardinal and five blue jays
G8-H	2	МН	10/9/2014	10:15 AM	0	0	N/A	79	1.7	0 - Clear	No Scrub Jays Observed: three mocking birds, flicker, blue jay and observed a kestrel and little blue heron nearby
G8-H	3	МН	10/11/2014	8:46 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed: mocking bird
G8-H	4	MH	10/19/2014	9:52 AM	0	0	N/A	67	1-4 NW		No Scrub Jays Observed: cardinal
G8-H	5	MH	10/22/2014	8:45 AM	0	0	N/A	68	0		No Scrub Jays Observed: songbird activity, nothing came to tape
G8-I	1	MH	10/8/2014	9:13 AM	0	0	N/A	74	0		No Scrub Jays Observed: songon a activity, nothing came to tape No Scrub Jays Observed: two mocking birds, blue jay, and a feral cat nearby
G8-I	2	MH	10/9/2014	10:02 AM	0	0	N/A	78	1.7		No Scrub Jays Observed: two mocking birds, bldc Jay, and a reful cat hearby No Scrub Jays Observed: mocking birds, catbird
G8-I	3	MH	10/11/2014	8:56 AM	0	0	N/A	73	0		No Scrub Jays Observed: mocking bird, catalita No Scrub Jays Observed: mocking bird, blue jay
G8-I	4	MH	10/11/2014	9:43 AM	0	0	N/A	67	1-5 NW		No Scrub Jays Observed: mocking bird, blue Jay No Scrub Jays Observed: catbird, cardinals
G8-I	5	MH	10/19/2014	8:54 AM	0	0	N/A N/A	68	1-3 NW		No Scrub Jays Observed: Catolia, Cardinals No Scrub Jays Observed: blue jay, cardinal, flicker, mocking bird
J0-1	J	IVIII	10/22/2014	O.J4 AIVI	U	U	IN/ A	UO	T-4 IAAA	o - Cieai	140 Jordan Jaya Obaci ved. bide jay, cardillai, liicker, liiocking bird

	Survey			1					Wind Speed	1	
Call	Call Event	Reviewer	Date	Start Time	Adults	Juveniles	Direction of	Temp (F)	& Direction	Precipitation &	Notes
Station #	#	neviewei	Date	Start rime	Observed	Observed	Flight	Temp (1)	(mph)	Visibility	notes
G8-J	1	МН	10/8/2014	9:23 AM	0	0	N/A	76	0	0 - Clear	No Scrub Jays Observed: mocking bird
G8-J	2	МН	10/9/2014	9:52 AM	0	0	N/A	77	1.8	0 - Clear	No Scrub Jays Observed: two mocking birds, cardinals (pair)
G8-J	3	МН	10/11/2014	9:06 AM	0	0	N/A	74	0	0 - Clear	No Scrub Jays Observed
G8-J	4	МН	10/19/2014	9:34 AM	0	0	N/A	66	1-5 NW	0 - Clear	No Scrub Jays Observed
G8-J	5	МН	10/22/2014	9:04 AM	0	0	N/A	69	4 NW	0 - Clear	No Scrub Jays Observed: two flickers
G8-K	1	МН	10/8/2014	9:34 AM	0	0	N/A	77	1	0 - Clear	No Scrub Jays Observed
G8-K	2	МН	10/9/2014	9:42 AM	0	0	N/A	76	1.8	0 - Clear	No Scrub Jays Observed: mocking bird
G8-K	3	МН	10/11/2014	9:16 AM	0	0	N/A	75	0	0 - Clear	No Scrub Jays Observed: Coopers hawk nearby
G8-K	4	МН	10/19/2014	9:25 AM	0	0	N/A	66	1-5 NW	0 - Clear	No Scrub Jays Observed: fly catcher, cardinal, catbird, goldfinch
G8-K	5	МН	10/22/2014	9:13 AM	0	0	N/A	69	3 NNW	0 - Clear	No Scrub Jays Observed
G8-L	1	МН	10/8/2014	10:34 AM	0	0	N/A	83	1	0 - Clear	No Scrub Jays Observed: mocking bird
G8-L	2	МН	10/9/2014	9:33 AM	0	0	N/A	76	1.8	0 - Clear	No Scrub Jays Observed
G8-L	3	МН	10/11/2014	9:27 AM	0	0	N/A	76	0	0 - Clear	No Scrub Jays Observed: cardinal
G8-L	4	МН	10/19/2014	9:16 AM	0	0	N/A	65	1-5 NW	0 - Clear	No Scrub Jays Observed: catbird, cardinal
G8-L	5	МН	10/22/2014	9:22 AM	0	0	N/A	69	2 NW	0 - Clear	No Scrub Jays Observed: cardinals, blue jay, mocking bird, catbird
G9-A	1	MLD/MH	10/7/2014	8:16 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed
G9-A	2	MLD	10/8/2014	7:47 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed
G9-A	3	MRD	10/9/2014	8:57 AM	0	0	N/A	72	0-1.7	0 - Clear	No Scrub Jays Observed
G9-A	4	MRD	10/10/2014	8:05 AM	0	0	N/A	72	1.4	0 - Clear	No Scrub Jays Observed
G9-A	5	MH	10/22/2014	11:46 AM	0	0	N/A	75	2 NW	0 - Clear	No Scrub Jays Observed
G9-B	1	MLD/MH	10/7/2014	8:26 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed: Two blue jays and one cardinal
G9-B	2	MLD	10/8/2014	7:59 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed
G9-B	3	MRD	10/9/2014	8:45 AM	0	0	N/A	71	0-1.7	0 - Clear	No Scrub Jays Observed
G9-B	4	MRD	10/10/2014	8:14 AM	0	0	N/A	72	1.4	0 - Clear	No Scrub Jays Observed
G9-B	5	MRD	10/13/2014	11:00 AM	0	0	N/A	82	8 E	0 - Clear	No Scrub Jays Observed
G9-C	1	MLD/MH	10/7/2014	8:40 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed: mocking bird and blue jay
G9-C	2	MLD	10/8/2014	8:11 AM	0	0	N/A	67	0	0 - Clear	No Scrub Jays Observed: mocking bird and blde Jay No Scrub Jays Observed: mocking birds
G9-C	3	MRD	10/9/2014	8:36 AM	0	0	N/A	71	0-1.7	0 - Clear	No Scrub Jays Observed
G9-C	4	MRD	10/3/2014	8:25 AM	0	0	N/A	72	1.4	0 - Clear	No Scrub Jays Observed
G9-C	5	MH	10/22/2014	11:36 AM	0	0	N/A	75	3 NW	0 - Clear	No Scrub Jays Observed
G9-D	1	MLD/MH	10/7/2014	8:52 AM	0	0	N/A	66	0	0 - Clear	No Scrub Jays Observed
- G5 B		IVILD/IVIII	10/7/2014	0.52 AIVI	U		IN/A	00	<u> </u>	o cicai	One adult SJ scalding and moving from station to across the street and back. Bird came from the south,
G9-D	2	MLD	10/8/2014	8:21 AM	1	0	S TO NW	67	0	0 - Clear	scolded from pine, moved across the street and scolded, then moved back to pine and flew to the west
G5-D		IVILD	10/8/2014	0.21 AIVI	_	U	31011	07		0 - Clear	(see map).
G9-D	3	MRD	10/9/2014	8:27 AM	0	0	N/A	71	0-1.7	0 - Clear	No Scrub Jays Observed
G9-D	4	MRD	10/3/2014	8:35 AM	0	0	N/A	73	1.4	0 - Clear	No Scrub Jays Observed
G9-D	5	MRD	10/13/2014	10:50 AM	0	0	N/A	82	8 E	0 - Clear	No Scrub Jays Observed
G9-D	6	MH	10/13/2014	11:27 AM	0	0	N/A N/A	75	3 NW	0 - Clear	No Scrub Jays Observed
G9-E	1	MLD/MH	10/7/2014	9:03 AM	0	0	N/A N/A	66	0	0 - Clear	No Scrub Jays Observed: No Scrub Jays Observed: blue jays
G9-E	2	MLD	10/7/2014	8:32 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed: blue Jays No Scrub Jays Observed: mocking birds, blue jays
G9-E	2	MRD	10/8/2014	9:22 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G9-E	3	MRD	10/8/2014	8:16 AM	0	0	N/A	72	0-1.7	0 - Clear	No Scrub Jays Observed No Scrub Jays Observed
G9-E	1	MRD	10/3/2014	8:46 AM	0	0	N/A	73	1.4	0 - Clear	No Scrub Jays Observed
G9-E	5	MH	10/10/2014	11:18 AM	0	0	N/A	75	2 NW	0 - Clear	No Scrub Jays Observed
U3°E	,	17111	10/22/2014	TT.TO AIVI		U	11/7	,,,	Z 14 VV	0 - Cleal	2 Adults and 1 possible JV scrub jay observed. Flew in from the N to the left and right of the station.
											Birds did not defend aggressively and were not interested in the tape as other families in the area. The
G15-A	1	ML	4/20/2015	8:05 AM	2	1	N TO S, S TO N	68	0	0 - Clear	JV was observed for the shortest period of time to the left of the station. The adults stayed for the about
											2-3 min and the left. Birds continued to scold but did not reappear.
G15-A	2	ML	4/21/2015	7:50 AM	1	0	UNKNOWN	66	1.5	0 - Clear	One adult appeared quickly and then left with minimal vocalization.
G15-A	3		4/21/2015	9:33 AM	0	0	N/A	70	2.6	0 - Clear 0 - Clear	No Scrub Jays Observed
G12-H)	ML	4/22/2013	J.JJ AIVI	U	U	IN/A	//	2.0	u - Ciedi	INO DOLIND JAYS ODDELIVED

Call Station #	Survey Call Event #	Reviewer	Date	Start Time	Adults Observed	Juveniles Observed	Direction of Flight	Temp (F)	Wind Speed & Direction (mph)	Precipitation & Visibility	Notes
G15-A	4	ML	4/23/2015	10:13 AM	0	0	N/A	74	1.9	0 - Clear	No Scrub Jays Observed
G15-A	5	ML	4/24/2015	8:00 AM	2	0	E TO W	69	4 to 5	0 - Clear	Two adults observed. Vocalizations minimal. Did not stay at station
G15-B	1	ML	4/20/2015	8:14 AM	1	0	E TO W, S TO N	68	0	0 - Clear	One adult appeared - followed from station A. minimal vocalization. Quickly left
G15-B	2	ML	4/21/2015	7:58 AM	0	0	N/A	66	1.5	0 - Clear	No Scrub Jays Observed
G15-B	3	ML	4/22/2015	9:41 AM	0	0	N/A	70	2.6	0 - Clear	No Scrub Jays Observed
G15-B	4	ML	4/23/2015	10:23 AM	2	0	S TO NE	74	1.9	0 - Clear	Two adults made a quick appearance and left.
G15-B	5	ML	4/24/2015	8:48 AM	1	0	S TO NE	70	4 to 5	0 - Clear	One adult. Minimal scolding, however landed on sand on fromt of oaks and did not leave as quickly as oberseved on previous days
G15-C	1	ML	4/20/2015	8:23 AM	0	1	N TO S	68	0	0 - Clear	One JV appear from te west and quickly departure to the north. Only scolded 2-3 times before leaving
G15-C	2	ML	4/21/2015	8:06 AM	2	0	TO E, N TO S, S TO	66	1.5	0 - Clear	No Scrub Jays Observed
G15-C	3	ML	4/22/2015	9:49 AM	1	0	N/A	72	2.6	0 - Clear	One adult observed flew from the north. Did not scold and left quickly
G15-C	4	ML	4/23/2015	10:36 AM	0	0	N/A	74	1.9	0 - Clear	No Scrub Jays Observed
G15-C	5	ML	4/24/2015	8:39 AM	0	0	N/A	70	4 to 5	0 - Clear	No Scrub Jays Observed
G15-D	1	ML	4/20/2015	8:34 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G15-D	2	ML	4/21/2015	8:14 AM	1	0	N TO S, S TO N	66	1.5	0 - Clear	One adult observed flew in from the west. Minimal vocalizations. Departed quickly.
G15-D	3	ML	4/22/2015	9:58 AM	0	0	N/A	72	2.6	0 - Clear	No Scrub Jays Observed
G15-D	4	ML	4/23/2015	10:47 AM	0	0	N/A	75	1.9	0 - Clear	No Scrub Jays Observed
G15-D	5	ML	4/24/2015	8:31 AM	0	0	N/A	70	4 to 5	0 - Clear	No Scrub Jays Observed
G15-E	1	ML	4/20/2015	8:41 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G15-E	2	ML	4/21/2015	8:21 AM	0	0	N/A	66	1.5	0 - Clear	No Scrub Jays Observed
G15-E	3	ML	4/22/2015	10:09 AM	0	0	N/A	73	2.6	0 - Clear	No Scrub Jays Observed
G15-E	4	ML	4/23/2015	9:58 AM	0	0	N/A	74	1.9	0 - Clear	No Scrub Jays Observed
G15-E	5	ML	4/24/2015	8:20 AM	0	0	N/A	71	4 to 5	0 - Clear	No Scrub Jays Observed
G15-E	1	ML	4/20/2015	8:53 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G15-F	2	ML	4/21/2015	8:29 AM	0	0	N/A	66	1.5	0 - Clear	No Scrub Jays Observed
G15-F	3	ML	4/22/2015	10:18 AM	0	0	N/A	72	2.6	0 - Clear	No Scrub Jays Observed
G15-F	4	ML	4/23/2015	10:16 AM	0	0	N/A	73	1.9	0 - Clear	No Scrub Jays Observed
G15-F	5	ML	4/24/2015	8:12 AM	2	0	S TO N	70	4 to 5	0 - Clear	Two adults approached from the north. Scolded and moved on. Observed flying toward station A
G16-A	1	ML	4/20/2015	9:32 AM	0	0	N/A	69	0	0 - Clear	No Scrub Jays Observed
G16-A	2	ML	4/21/2015	8:40 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G16-A	3	ML	4/21/2015	9:21 AM	0	0	N/A	71	0		No Scrub Jays Observed
G16-A	4	ML	4/23/2015	8:10 AM	0	0	N/A	74	0	0 - Clear	No Scrub Jays Observed
G16-A	5	ML	4/23/2015	9:00 AM	0	0	N/A N/A	70	0	0 - Clear	No Scrub Jays Observed
G16-A	1	ML	4/20/2015	9:45 AM	0	0	N/A	69	0	0 - Clear	No Scrub Jays Observed
G16-B	2	ML	4/20/2015	8:51 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G16-B	3	ML	4/22/2015	9:00 AM	0	0	N/A	71	0	0 - Clear	No Scrub Jays Observed
G16-B	4	ML	4/23/2015	8:20 AM	0	0	N/A	73	0	0 - Clear	No Scrub Jays Observed
G16-B	5	ML	4/23/2015	9:11 AM	0	0	N/A N/A	73	0	0 - Clear	No Scrub Jays Observed
G16-B	1	ML	4/20/2015	9:11 AW 9:58 AM	0	0	N/A N/A	69	0	0 - Clear	No Scrub Jays Observed
G16-C	2	ML	4/20/2015	9:38 AIVI 9:10 AM	0	0	N/A N/A	68	0	0 - Clear	No Scrub Jays Observed
G16-C	3	ML	4/21/2015	9:10 AM 9:08 AM	0	0	N/A N/A	72	0	0 - Clear 0 - Clear	No Scrub Jays Observed No Scrub Jays Observed
G16-C	4	ML	4/22/2015	8:37 AM	0	0	N/A N/A	72	0	0 - Clear 0 - Clear	No Scrub Jays Observed No Scrub Jays Observed
G16-C	5	ML	4/23/2015	9:26 AM	0	0	N/A N/A	72	0	0 - Clear 0 - Clear	No Scrub Jays Observed No Scrub Jays Observed
G16-C	1	ML	4/20/2015	10:08 AM	0	0	N/A N/A	69	0	0 - Clear	No Scrub Jays Observed
G16-D	2	ML	4/20/2015	9:18 AM	0	0	N/A N/A	70	0	0 - Clear 0 - Clear	No Scrub Jays Observed No Scrub Jays Observed
G16-D				9:18 AM 9:16 AM	0	0	N/A N/A	70			
G16-D	3	ML	4/22/2015	9:16 AM 8:44 AM	0	0	N/A N/A	71	0	0 - Clear	No Scrub Jays Observed
G16-D G16-D	5	ML	4/23/2015		0	0	N/A N/A		0	0 - Clear	No Scrub Jays Observed
	_	ML	4/24/2015	9:33 AM	· ·	-	-	73	0	0 - Clear	No Scrub Jays Observed
G16-E	1	ML	4/20/2015	10:21 AM	0	0	N/A	71	0	0 - Clear	No Scrub Jays Observed

Call Station #	Survey Call Event #	Reviewer	Date	Start Time	Adults Observed	Juveniles Observed	Direction of Flight	Temp (F)	Wind Speed & Direction (mph)	Precipitation & Visibility	Notes
G16-E	2	ML	4/21/2015	9:02 AM	0	0	N/A	70	0	0 - Clear	No Scrub Jays Observed
G16-E	3	ML	4/22/2015	8:52 AM	0	0	N/A	71	0	0 - Clear	No Scrub Jays Observed
G16-E	4	ML	4/23/2015	8:28 AM	0	0	N/A	70	0	0 - Clear	No Scrub Jays Observed
G16-E	5	ML	4/24/2015	9:17 AM	0	0	N/A	72	0	0 - Clear	No Scrub Jays Observed
G17-A	1	ML	4/20/2015	10:34 AM	0	0	N/A	73	0	0 - Clear	No Scrub Jays Observed
G17-A	2	ML	4/21/2015	9:29 AM	0	0	N/A	70	0	0 - Clear	No Scrub Jays Observed
G17-A	3	ML	4/22/2015	8:43 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G17-A	4	ML	4/23/2015	8:53 AM	0	0	N/A	71	0	0 - Clear	No Scrub Jays Observed
G17-A	5	ML	4/24/2015	9:45 AM	0	0	N/A	74	0	0 - Clear	No Scrub Jays Observed
G17-B	1	ML	4/20/2015	10:43 AM	0	0	N/A	73	0	0 - Clear	No Scrub Jays Observed
G17-B	2	ML	4/21/2015	9:37 AM	0	0	N/A	71	0	0 - Clear	No Scrub Jays Observed
G17-B	3	ML	4/22/2015	8:27 AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G17-B	4	ML	4/23/2015	9:01 AM	0	0	N/A	70	0	0 - Clear	No Scrub Jays Observed
G17-B	5	ML	4/24/2015	9:52 AM	0	0	N/A	74	0	0 - Clear	No Scrub Jays Observed
G17-C	1	ML	4/20/2015	10:50 AM	0	0	N/A	74	0	0 - Clear	No Scrub Jays Observed
G17-C	2	ML	4/21/2015	9:44 AM	0	0	N/A	70	0	0 - Clear	No Scrub Jays Observed
G17-C	3	ML	4/22/2015	8:36AM	0	0	N/A	68	0	0 - Clear	No Scrub Jays Observed
G17-C	4	ML	4/23/2015	9:10 AM	0	0	N/A	70	0	0 - Clear	No Scrub Jays Observed
G17-C	5	ML	4/24/2015	10:00 AM	0	0	N/A	75	0	0 - Clear	No Scrub Jays Observed
G18-A	1	ML	4/20/2015	10:58 AM	0	0	N/A	74	0	0 - Clear	No Scrub Jays Observed
G18-A	2	ML	4/21/2015	9:58 AM	0	0	N/A	72	1.6	0 - Clear	No Scrub Jays Observed
G18-A	3	ML	4/22/2015	8:17 AM	0	0	N/A	68	1.2	0 - Clear	No Scrub Jays Observed
G18-A	4	ML	4/23/2015	9:20 AM	0	0	N/A	70	2.4	0 - Clear	No Scrub Jays Observed
G18-A	5	ML	4/24/2015	10:08 AM	0	0	N/A	75	3.6	0 - Clear	No Scrub Jays Observed
G18-B	1	ML	4/20/2015	11:06 AM	0	0	N/A	75	0	0 - Clear	No Scrub Jays Observed
G18-B	2	ML	4/21/2015	10:07 AM	0	0	N/A	74	1.6	0 - Clear	No Scrub Jays Observed
G18-B	3	ML	4/22/2015	8:08AM	0	0	N/A	66	1.2	0 - Clear	No Scrub Jays Observed
G18-B	4	ML	4/23/2015	9:27 AM	0	0	N/A	70	2.4	0 - Clear	No Scrub Jays Observed
G18-B	5	ML	4/24/2015	10:16 AM	0	0	N/A	76	3.6	0 - Clear	No Scrub Jays Observed
G18-C	1	ML	4/20/2015	11:12 AM	0	0	N/A	75	0	0 - Clear	No Scrub Jays Observed
G18-C	2	ML	4/21/2015	10:15 AM	0	0	N/A	74	1.6	0 - Clear	No Scrub Jays Observed
G18-C	3	ML	4/22/2015	8:01 AM	0	0	N/A	66	1.2		No Scrub Jays Observed
G18-C	4	ML	4/23/2015	9:35 AM	0	0	N/A	70	2.7	0 - Clear	No Scrub Jays Observed
G18-C	5	ML	4/24/2015	10:23 AM	0	0	N/A	75	3.6	0 - Clear	No Scrub Jays Observed
G18-D	1	ML	4/20/2015	11:18 AM	0	0	N/A	75	0	0 - Clear	No Scrub Jays Observed
G18-D	2	ML	4/21/2015	10:22 AM	0	0	N/A	73	1.6	0 - Clear	No Scrub Jays Observed
G18-D	3	ML	4/22/2015	7:50 AM	0	0	N/A	66	1.2	0 - Clear	No Scrub Jays Observed
G18-D	4	ML	4/23/2015	9:42 AM	0	0	N/A	70	2.4		No Scrub Jays Observed
G18-D	5	ML	4/24/2015	10:30 AM	0	0	N/A	74	3.6		No Scrub Jays Observed

Stantec Biologists: MH = Mike Holdsworth, ML = Matthew Leonard, MLD = Mike Dinardo, MRD = Mike Drauer, KM = Kevin Muldrew, CC = Crystal Clark