Supplementary Material. Classification of bird species from a Mexican wetland in a hierarchical system of foraging guilds (FG) nested within trophic guilds (TG). The following categories of trophic resources are classified as being of minor (Min), significant (Sig), and major (Maj) importance: (1) vegetative parts of terrestrial plants; (2) fruit; (3) nectar; (4) terrestrial seeds; (5) terrestrial, arboreal and aerial invertebrates; (6) soil and leaf-litter invertebrates; (7) herpetofauna; (8) birds and mammals; (9) plankton and aquatic plant matter; (10) aquatic invertebrates of the water column and surface; (11) aquatic infauna; (12) crabs; (13) aquatic vertebrates; and (14) carrion. ‘Ex’ denotes species excluded from TG’s on account of: (1) abundance fluctuations; (2) ecology; (3) carrion-based diet; or (4) generalist diet. Roman numerals indicate species excluded from FG’s due to: (I) nocturnal feeding; (II) specialized microhabitat; (III) opportunistic foraging; (IV) specialized foraging technique; (V) minimal foraging. Nomenclature follows the American Ornithologists’ Union 2015 check-list of North American birds.

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| Species | TG | FG | Min | Sig | Maj | References |
| *Ortalis* *poliocephala* | t1 | a | 4 | 1,2 |  | Eguiarte & Martínez del Rio, 1985; Moermond & Denslow, 1985 |
| *Patagioenas* *flavirostris* | t1 | a |  | 4 | 2 | Greenberg et al., 1997; Rappole et al., 1993; Wheelwright et al., 1984 |
| *Zenaida* *asiatica* | t1 | a |  | 4 | 2 | Pruitt et al., 2008; Rappole et al., 1983 |
| *Trogon* *citreolus* | t1 | a |  | 5 | 2 | Eguiarte & Martínez del Rio, 1985; Greenberg & Bichier, 2005; Remsen et al., 1993 |

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| *Eupsittula* *canicularis* | t1 | a | 1 | 2,3,4 |  | Matuzac et al., 2008 |
| *Amazona* *albifrons* | t1 | a | 1 | 2,3,4 |  | Matuzac et al., 2008 |
| *Saltator* *coerulescens* | t1 | a | 1,3,4 | 2,5 |  | Eguiarte & Martínez del Rio, 1985; Herrera et al., 2006; Hutto, 1994; Moermond & Denslow, 1985; Wheelwright et al., 1984 |
| *Icterus* *spurius* | t1 | a |  | 1,2,3,5 |  | Gryj et al., 1990; Rappole et al., 1983 |
| *Icterus* *pustulatus* | t1 | a |  | 2,3,5 |  | Eguiarte & Martínez del Rio, 1985; Gryj et al., 1990; Herrera et al., 2006; Hutto, 1994; Rappole et al., 1983 |
| *Cassiculus* *melanicterus* | t1 | a |  | 2,3,5 |  | Eguiarte & Martínez del Rio, 1985; Gryj et al., 1990; Herrera et al., 2006 |
| *Leptotila* *verreauxi* | t1 | a | 5 | 2,4 |  | Greenberg et al., 1997; Herrera et al., 2003, 2006; Wheelwright et al., 1984 |
| *Turdus* *rufopalliatus* | t1 | a | 3,5,6 | 2 |  | Gryj et al., 1990; Hutto, 1994 |
| *Icteria* *virens* | t1 | a | 3 | 2,5 |  | Gryj et al., 1990; Parrish, 1997; Rappole et al., 1983 |

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| *Piranga* *rubra* | t1 | a | 3 | 2,5 |   | Coates-Estrada & Estrada, 1986; Gryj et al., 1990; Moermond & Denslow, 1985; Rappole et al., 1983; Wheelwright et al., 1984 |
| *Arremonops* *rufivirgatus* | t1 | b |  | 2,4,5 |  | Herrera et al., 2006; Howell & Webb, 1995 |
| *Cardinalis* *cardinalis* | t1 | b |  | 2,4,5 |  | Baldwin et al., 2008; McGraw et al., 2003; Poulin et al., 1994 (congener) |
| *Columbina* *inca* | t1 | b | 5 |  | 4 | Herrera et al., 2006; Pérez & Bulla, 2000 |
| *Columbina* *talpacoti* | t1 | b | 5 |  | 4 | Herrera et al., 2006 |
| *Cyanocompsa* *parellina* | t1 | b | 3 | 2,4 |  | Coates-Estrada & Estrada, 1986; Gryj et al., 1990; Hutto, 1994 |
| *Sporophila* *minuta* | t1 | b |  |  | 4 | Poulin et al., 1994 (congener) |
| *Sporophila* *torqueola* | t1 | b |  |  | 4 | Poulin et al., 1994 (congener) |
| *Empidonax* *difficilis* | t2 | c |  | 2,5 |  | Parrish, 1997 (congener); Rappole et al., 1983 |
| *Empidonax* *minimus* | t2 | c |  | 2,5 |  | Parrish, 1997; Rappole et al., 1983 |

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| *Empidonax* *traillii* | t2 | c |  | 2,5 |  | Eckhardt, 1979; Parrish, 1997; Rappole et al., 1983 |
| *Megarynchus* *pitangua* | t2 | c |  | 2,5 |  | Greenberg & Bichier, 2005; Wheelwright et al., 1984 |
| *Myiarchus* *cinerascens* | t2 | c |  | 2,5 |  | Hutto, 1994; Rappole et al., 1983 |
| *Myiarchus* *tyrannulus* | t2 | c |  | 2,5 |  | Herrera et al., 2006; Moermond & Denslow, 1985; Poulin et al., 1994; Rappole et al., 1983 |
| *Myiozetetes* *similis* | t2 | c |  | 2,5 |  | Eguiarte & Martínez del Rio, 1985; Herrera et al., 2006; Wheelwright et al., 1984 |
| *Vireo* *flavoviridis* | t2 | c |  | 2,5 |  | Morton, 1977 |
| *Vireo* *gilvus* | t2 | c |  | 2,5 |  | Parrish, 1993; Rappole et al., 1983; Root, 1967 |
| *Heliomaster* *constantii* | t2 | d |  | 3,5 |  | Arizmendi & Ornelas, 1990; Gryj et al., 1990; Remsen et al., 1986 |
| *Amazilia* *rutila* | t2 | d |  | 3,5 |  | Arizmendi & Ornelas, 1990; Gryj et al., 1990; Remsen et al., 1986 |
| *Archilochus* *colubris* | t2 | d |  | 3,5 |  | Arizmendi & Ornelas, 1980; Courter et al., 2013; Rappole et al., 1983 |

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| *Agelaius* *phoeniceus* | t2 | e | 2 | 4 | 5 | Best, 2001; Krauss & Yasukawa, 2013; Rappole et al., 1983; |
| *Attila* *spadiceus* | t2 | e | 2 | 7 | 5 | Herrera et al., 2003; Poulin et al., 1999; 2001; Sherry & McDade, 1982; |
| *Camptostoma* *imberbe* | t2 | e |  | 2 | 5 | Fitzpatrick, 1980; Hutto, 1994; Rappole et al., 1983 |
| *Campylorhynchus* *rufinucha* | t2 | e |  |  | 5 | Greenberg & Bichier, 2005 |
| *Cardellina* *pusilla* | t2 | e | 3 | 2 | 5 | Greenberg & Bichier, 2005; Gryj et al., 1990; Hutto, 1981; Parrish, 1997; Rappole et al., 1983 |
| *Catharus* *ustulatus* | t2 | e |  | 2,5,6 |  | Coates-Estrada & Estrada, 1986; Moermond & Denslow, 1985; Parrish, 1997; Rappole et al., 1983; Wheelwright et al., 1984 |
| *Contopus* *sordidulus* | t2 | e | 2 |  | 5 | Eckhardt, 1979; Rappole et al., 1983 |
| *Crotophaga* *sulcirostris* | t2 | e | 2,7 |  | 5 | Greenberg & Bichier, 2005; Vehrencamp, 1978; Wheelwright et al., 1984; Wunderle, 1981 |
| *Geothlypis* *tolmiei* | t2 | e | 3 |  | 5 | Hutto, 1981; Parrish, 1997; Rappole et al., 1983 |

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| *Geothlypis* *trichas* | t2 | e |  | 2 | 5 | Hutto, 1981; Parrish, 1997; Rappole et al., 1983 |
| *Icterus* *gularis* | t2 | e | 3 | 2 | 5 | Pleasants, 1981 |
| *Icterus* *pectoralis* | t2 | e | 3 | 2 | 5 | Pleasants, 1981 (congener); Wunderle, 1978 |
| *Mniotilta* *varia* | t2 | e | 2,3 |  | 5 | Greenberg & Bichier, 2005; Gryj et al., 1990; Parrish, 1997; Rappole et al., 1983 |
| *Morococcyx* *erythropygus* | t2 | e | 6,7 |  | 5 | Fleming & Hooker, 1975; Skutch, 1966 |
| *Pachyramphus* *aglaiae* | t2 | e | 2 | 5 |  | Greenberg et al., 1997; Hutto 1994 |
| *Passerculus* *sandwichensis* | t2 | e |  | 4,5,6 |  | Rappole et al., 1983 |
| *Pheugopedius* *felix* | t2 | e | 2 |  | 5 | Greenberg & Bichier, 2005; Herrera et al., 2006 (congener); pers. obs. |
| *Polioptila* *albiloris* | t2 | e |  |  | 5 | Greenberg & Bichier, 2005; Root, 1967 |
| *Setophaga* *americana* | t2 | e | 3 | 2 | 5 | Parrish, 1997; Rappole et al., 1983 |
| *Setophaga* *petechia* | t2 | e | 2 |  | 5 | Greenberg et al., 1997; Parrish, 1997; Rappole et al., 1983 |
| *Setophaga* *ruticilla* | t2 | e | 2 |  | 5 | Parrish, 1997; Poulin et al., 1994; Rappole et al., 1983 |
| *Thryophilus* *pleurostictus* | t2 | e | 2,6 |  | 5 | Herrera et al., 2006; Hutto, 1994 |
| *Vireo* *bellii* | t2 | e |  | 2 | 5 | Coates-Estrada & Estrada, 1986; Rappole et al., 1983 |
| *Vireo* *hypochryseus* | t2 | e | 3 | 2 | 5 | Gryj et al., 1990; Hutto, 1994; Parrish, 1997; Rappole et al., 1983; Wheelwright et al., 1984 |
| *Campephilus* *guatemalensis* | t2 | f |  |  | 5 | Askins, 1983; Greenberg et al., 1997; Hutto, 1994 |
| *Dryocopus* *lineatus* | t2 | f |  |  | 5 | Askins, 1983; Greenberg et al., 1997 |
| *Melanerpes* *chrysogenys* | t2 | f | 3 | 2 | 5 | Eguiarte & Martínez del Rio, 1985; Gryj et al., 1990; Hutto, 1994 |
| *Hirundo* *rustica* | t2 | g | 2 |  | 5 | Rappole et al., 1983 |
| *Petrochelidon* *pyrrhonota* | t2 | g | 2 |  | 5 | Rappole et al., 1983 |
| *Progne* *chalybea* | t2 | g |  |  | 5 | Howell & Webb, 1995  |
| *Stelgidopteryx* *serripennis* | t2 | g |  |  | 5 | Howell & Webb, 1995  |
| *Streptoprocne* *zonaris* | t2 | g |  |  | 5 | Rowley & Orr, 1965 |
| *Tachycineta* *albilinea* | t2 | g |  |  | 5 | Moore et al., 1999 |
| *Tyrannus* *crassirostris* | t2 | g | 2 | 5 |  | Hutto, 1994; Rappole et al., 1983 |
| *Tyrannus* *melancholicus* | t2 | g |  | 2 | 5 | Fitzpatrick, 1980; Moermond & Denslow, 1985; Rappole et al., 1983; Wheelwright et al., 1984 |
| *Nyctidromus* *albicollis* | t2 | I |  |  | 5 | Howell & Webb, 1995 |
| *Parkesia* *noveboracensis* | t2 | II | 2,4,5,13 | 10 | 6 | Parrish, 1997; Poulin et al., 1994; Rappole et al., 1983 |
| *Pitangus* *sulphuratus* | t2 | III | 7,12,13 | 2,5 |  | Eguiarte & Martínez del Rio, 1985; Fitzpatrick, 1980; Herrera et al., 2006; Iribarne & Martinez, 1999; Rappole et al., 1983 |
| *Quiscalus* *mexicanus* | t2 | III | 14 | 2,4,5,12 |   | Wehtje, 2003; pers. obs. |
| *Rupornis magnirostris* | t3 | h | 5 | 7 | 8 | Baldarón et al., 2011; Panasci & Whitacre, 2000 |
| *Buteo* *plagiatus* | t3 | h | 5 | 7 | 8 | pers. obs |
| *Buteogallus* *anthracinus* | t3 | h |  | 5,7,8,12 |  | Rappole et al., 1983 |
| *Circus* *cyaneus* | t3 | h | 5,7 |  | 8 | García & Arroyo, 2005; Rappole et al., 1983 |
| *Falco* *peregrinus* | t3 | h | 5 |  | 8 | Castellanos et al., 2006; Ellis et al., 2004 |
| *Geranospiza* *caerulescens* | t3 | h |  | 7 | 8 | Sutter et al., 2001 |
| *Calocitta* *formosa* | t3 | i |  | 2,5,7,8 |  | Berg, 2004 |
| *Glaucidium* *brasilianum* | t3 | i |  | 5,7,8 |  | Poulin et al., 1994; pers. obs |
| *Piaya* *cayana* | t3 | i | 2,8 | 5,7 |   | Greenberg et al., 1997; Greenberg & Birchier, 2005; Komar & Thurber, 2003; Skutch, 1966 |
| *Anas* *clypeata* | a1 | j | 4,13 | 9,10 |  | Bellrose, 1980; Rappole et al., 1983; Tietje & Teer, 1996 |
| *Anas* *discors* | a1 | j |  | 4,9,10 |  | Bellrose, 1980; Botrero & Rusch, 1994; Rappole et al., 1983 |
| *Aythya* *americana* | a1 | j | 4,5,10,13 |  | 9 | Adair et al., 1996; Bellrose, 1980; Mitchell et al., 1994; Rappole et al., 1983 |

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| *Dendrocygna* *bicolor* | a1 | j |  | 4,9,10 |  | Carroll, 1932; Rappole et al., 1983; Rylander & Bolen, 1974 |
| *Gallinula* *galeata* | a1 | j |  | 5,9,10 |  | Rappole et al., 1983 |
| *Porphyrio* *martinicus* | a1 | j |   | 9,10 |   | Rappole et al., 1983; Stephens, 1984 |
| *Actitis* *macularius* | a2 | k | 13 | 5 | 10 | Placyk & Harrington, 2004; Rappole et al., 1983 |
| *Arenaria* *interpres* | a2 | k | 12 | 5,10,11 |  | Rappole et al., 1983; Whitfield, 1990 |
| *Calidris* *alba* | a2 | k | 9,12,13 | 5,10,11 |  | Petracci, 2002; Rappole et al., 1983; Vanermen et al., 2009 |
| *Calidris* *mauri* | a2 | k |  | 5,10,11 |  | Paulson, 2005; Rappole et al., 1983 |
| *Calidris* *melanotos* | a2 | k | 9 | 5,10,11 |  | Brooks, 1967; Holden & Cleeves, 2002; Rappole et al., 1983 |
| *Calidris* *minutilla* | a2 | k |  | 5,10,11 |  | Baker & Baker, 1973; Brooks, 1967; Paulson, 2005; Rappole et al., 1983 |
| *Charadrius* *collaris* | a2 | k | 12 | 5,10 |  | Howell & Webb, 1995; Iribarne & Martinez, 1999 |
| *Charadrius* *nivosus* | a2 | k | 11 | 5,10 |  | Paulson, 2005; Rappole et al., 1983 |

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| *Charadrius* *semipalmatus* | a2 | k | 11 | 5,10,12 |  | Baker & Baker, 1973; Rappole et al., 1983; Smith & Nol, 2000 |
| *Charadrius* *wilsonia* | a2 | k | 11 | 5,10,12 |  | Iribarne & Martinez, 1999; Paulson, 2005; Rappole et al., 1983 |
| *Pluvialis* *squatarola* | a2 | k | 12 | 5,10 |  | Iribarne & Martinez, 1999; Rappole et al., 1983 |
| *Himantopus* *mexicanus* | a2 | l |  | 5,13 | 10 | Rappole et al., 1983; Ueng et al., 2009 (congener) |
| *Phalaropus* *tricolor* | a2 | l |  | 5,9 | 10 | Paulson, 2005; Rappole et al., 1983 |
| *Recurvirostra* *americana* | a2 | l | 5,9,13 | 10,11 |  | Boettcher et al., 1995; Rappole et al., 1983 |
| *Tringa* *flavipes* | a2 | l | 13 | 5,11 | 10 | Baker & Baker, 1973; Brooks, 1967; Paulson, 2005; Rappole et al., 1983; Weber & Haig, 1997 |
| *Tringa* *melanoleuca* | a2 | l | 11 | 5,13 | 10 | Brooks, 1967; Paulson, 2005; Rappole et al., 1983 |
| *Tringa* *semipalmata* | a2 | l | 11,12,13 | 5,10 |  | Castillo-Guerrero et al., 2009; Paulson, 2005; Rappole et al., 1983 |
| *Limnodromus* *griseus* | a2 | m |  | 10 | 11 | Baker & Baker, 1973; Rappole et al., 1983; Weber & Haig, 1997 |
| *Limosa* *fedoa* | a2 | m | 5,10,12 |  | 11 | Castillo-Guerrero et al., 2009; Rappole et al., 1983 |
| *Numenius* *phaeopus* | a2 | m | 5,10,12 |  | 11 | Rappole et al., 1983; Velásquez & Navarro, 1993 |
| *Plegadis* *chihi* | a2 | II | 7,13 | 5,11 | 10 | Rappole et al., 1983; Safran et al., 2000; Soave et al., 2006 |
| *Jacana* *spinosa* | a2 | I | 5,9,13 |   | 10 | Howell & Webb, 1995; Jenni & Collier, 1972 |
| *Eudocimus* *albus* | a2.5 | n | 5,7 | 10,12,13 |  | Kushlan, 1979; Rappole et al., 1983 |
| *Ixobrychus* *exilis* | a2.5 | n | 7 | 5,10,13 |  | Rappole et al., 1983 |
| *Platalea* *ajaja* | a2.5 | n | 9 | 10,13 |  | Rappole et al., 1983; Swennen & Yu, 2005 (congener) |
| *Podilymbus* *podiceps* | a2.5 | n | 9 | 5,10,13 |  | Rappole et al., 1983 |
| *Tachybaptus* *dominicus* | a2.5 | n |  | 5,10,13 |  | Howell & Webb, 1995 |
| *Egretta* *caerulea* | a2.5 | o | 5,7 | 10,13 | 12 | Miranda & Collazo, 1997; Olmos et al., 2001; Rappole et al., 1983; Wunderle, 1981 |
| *Nyctanassa* *violacea* | a2.5 | o | 5,7,9,10 | 8 | 13 | Martínez, 2004; Rappole et al., 1983 |
| *Chlidonias* *niger* | a2.5 | z |  | 5,10,13 |  | Beintema et al., 2010; Rappole et al., 1983 |
| *Phalacrocorax* *brasilianus* | a3 | p | 9,10 |  | 13 | Casaux et al., 2009; Rappole et al., 1983 |
| *Ardea* *alba* | a3 | p | 5,7,12 | 10 | 13 | Miranda & Collazo, 1997; Ramo & Busto, 1993; Rappole et al., 1983 |
| *Ardea* *herodias* | a3 | p | 5,7,8,9,10 |  | 13 | Ramo & Busto, 1993; Rappole et al., 1983 |
| *Butorides* *virescens* | a3 | p | 5 | 10 | 13 | Helm, 2012; Rappole et al., 1983 |
| *Cochlearius* *cochlearius* | a3 | p |  | 10 | 13 | Kushlan, 2009; Ramo & Busto, 1993 |
| *Egretta* *rufescens* | a3 | p | 10 |  | 13 | Ramo & Busto, 1993; Rappole et al., 1983 |
| *Egretta* *thula* | a3 | p | 5,7 | 10 | 13 | Miranda & Collazo, 1997; Ramo & Busto, 1993; Rappole et al., 1983 |
| *Egretta* *tricolor* | a3 | p | 5,10 |  | 13 | Miranda & Collazo, 1997; Ramo & Busto, 1993; Rappole et al., 1983 |
| *Mycteria* *americana* | a3 | p | 5,7,9,10, |  | 13 | Ogden et al., 1976; Rappole et al., 1983 |
| *Nycticorax* *nycticorax* | a3 | p | 5,7,10,13 |  | 12 | Hall & Kress, 2008; Rappole et al., 1983 |
| *Anhinga* *anhinga* | a3 | q | 9,10 |  | 13 | Owre, 1967; Rappole et al., 1983 |

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| *Hydroprogne* *caspia* | a3 | q | 10 |  | 13 | Collis et al., 2012; Rappole et al., 1983; Thompson et al., 2002 |
| *Megaceryle* *alcyon* | a3 | q | 10 |  | 13 | Rappole et al., 1983; Sullivan et al., 2006 |
| *Megaceryle* *torquata* | a3 | q | 10 |  | 13 | Green et al., 1978; Rappole et al., 1983; Willard, 1985 |
| *Pandion* *haliaetus* | a3 | q | 5,7 |  | 13 | Green et al., 1978; Rappole et al., 1983 |
| *Pelecanus* *occidentalis* | a3 | q | 10 | 13 |  | Rappole et al., 1983; Visser et al., 2005 |
| *Rynchops* *niger* | a3 | q |  | 10 | 13 | Naves & Vooren, 2006; Rappole et al., 1983 |
| *Sternula* *antillarum* | a3 | q |  |  | 13 | Atwood & Kelly, 1984; Elliott et al., 2007; Zuria & Mellink, 2005 |
| *Chloroceryle* *amazona* | a3 | q | 10 |  | 13 | Willard, 1985 |
| *Chloroceryle* *americana* | a3 | q | 10 |  | 13 | Fry et al., 1992; Willard, 1985 |
| *Thalasseus* *elegans* | a3 | V | 10 |  | 13 | Dahdul & Horn, 2003; Rappole et al., 1983 |
| *Thalasseus* *maximus* | a3 | V | 10,12 |   | 13 | Aygen & Emslie, 2006; Rappole et al., 1983 |

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| *Fulica* *americana* | Ex1 | n/a | 4,5,10,13 |  | 9 | Rappole et al., 1983; Villamagna et al., 2010 |
| *Dendrocygna* *autumnalis* | Ex2 | n/a | 1,5,10 |  | 4 | Bellrose, 1980; Kramer & Euliss, 1986 |
| *Fregata* *magnificens* | Ex2 | n/a | 10 |  | 13 | Calixto-Albarrán & Osorno, 2000 |
| *Bubulcus* *ibis* | Ex2 | n/a | 7 | 5 |  | Rappole et al., 1983; Wunderle, 1981 |
| *Cathartes* *aura* | Ex3 | n/a | 5 |  | 14 | Rappole et al., 1983 |
| *Coragyps* *atratus* | Ex3 | n/a | 5 |  | 14 | Rappole et al., 1983 |
| *Leucophaeus* *atricilla* | Ex4 | n/a | 12 | 5,10,13,14 |  | Bernhardt et al., 2010; Dosch, 1997; Howell & Dunn, 2007; Rappole et al., 1983 |
| *Leucophaeus* *pipixcan* | Ex4 | n/a |  | 5,10,13,14 |  | Howell & Dunn, 2007; Rappole et al., 1983 |
| *Coccyzus* *minor* | Ex4 | n/a |  | 2,5,7 |  | Rappole et al., 1983; Wunderle, 1981 |
| *Momotus* *mexicanus* | Ex4 | n/a |   | 2,5,7 |   | Remsen et al., 1993; pers. obs. |

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