

## Short Article

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# Winter Occurency of Oriental Reed Warbler *Acrocephalus Orientalis* from Nal Sarovar Birds Sanctuary and Surrounding Wetlands, Gujarat, India. Wintering Range Extend Upto Gujarat, Western India

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**Abstract:** In present observation, going to introduce wintering records of Oriental Reed Warbler *A. orientalis*. Observation was carried out to explore diversity and abundancy of Orient reed warbler in Nal Sarovar Birds Sanctuary and surrounding adjusted wetland and cultivation field, after 2 birds were observed in 2012, from 18-1-12 to 4-4-25. During this observation, 19 species were recorded. Highest abundancy and diversity of warbler were recorded from December to April. 5 birds were observed in April in summer plumage. Predominantly birds were recorded during early winter and mid-winter. Seasonal variation showed great impact on diversity and abundancy of warbler, their food consists of the common insects; they are important predators of nature.

**Keyword:** Winter occurency, Oriental Reed Warbler, *Acrocephalus orientalis*, Nal Sarovar Birds, Sanctuary, Surrounding Wetlands

**Species authority:** - Temminck & schlegel, 1847

**Domain:** Eukaryote

**Genus:** *Acrocephalus*

**Family:** *Acrocephalidae*

**Order:** *Passeriformes*

**Class:** *Aves*

**Phylum:** *Sylvinae*

**Kingdom:** *Animalia*

**Scientific name:** *Acrocephalus*

**Common name:** Oriental Reed Warbler

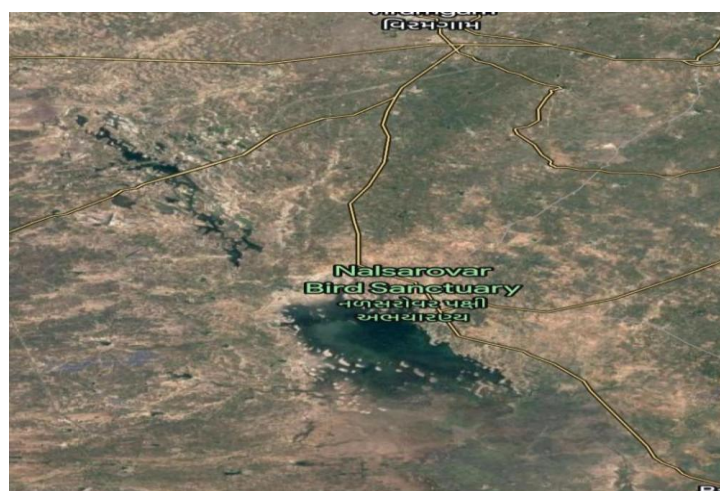
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## INTRODUCTION

The Oriental Reed warbler *A. orientalis* is resembling of Indian reed Warbler and Thick – billed warbler. Resident and Breed – from North and South Korea, South – East Korea, East, Central, North-East and North China, East Mongolia, Sakhalin, South, South-East Siberia. During winter migration, it is found in North Australia, New Gini, Wallacea, Philippines,

Sundas, South China and North- East India – **Peter & David, Robsson, 2015**. Surrounding Kolkata areas, Bangladesh, Andaman Islands, Nicobar, Manipur, East Assam, Sachar, Nepal – **Rasmussen, 2012**. Winter visitor in North-East India, **Grimmett, 2011, Kry's, 2012**.

**Observation site of Nal Sarovar Sanctuary and surrounding wetland**



(Source – Google Maps)

### Observation Site

Extensive observation was carried out from 18-1-12 to 4-4-25 Nal Sarovar Birds Sanctuary, surrounding adjacent wetland and cultivation field. All the areas were spread over more than max. 300 sq. km. the site were very important and interesting for their significant, cultural treasures, also internationally recognized for their outstanding geological and exceptionally rich natural habitation and diversity. All the wetlands has typha angustata, Cyperus sp., I. carnea compromised Ipomea aquatica, the main immigrant vegetation with highly interspread Prosopis juliflora. Also has C. decidua, C. sepirla, Mozirachta, A. arabica, P. spicigera, Salvadora persica are dry deciduous forest.



**Figure: 1**

Broad based shorter bill, upper mandible grey, lower white, white supercilium extend upto eye, white throat, brownish greyish crown and nape, dark grey or black wing covert, whitish below, creamy lower breast and belly, black legs, shorter black tail, white on vent.



**Figure: 2**

Broad based shorter bill, brownish grey crown, shorter white supercilium, black shorter eye strip, buff ear

covert, white throat, creamy lower belly, white on vent, dark grey nape, black wing coverts, shorter black tail.



**Figure: 3**

Shorter black based bill, lower mandible white, black at tip, white supercilium extend upto nape, black eye strip, greyish buff ear covert, white throat, black streaked lower throat and breast, white on vent, white undertail, dark grey upper tail coverts, blackish grey wing coverts, primary extend beyond uppertail.



**Figure: 4**

Broad based shorter greyish bill, lower mandible white, black tip, throat, upper breast and lower belly white, greyish crown, nape dark grey or black wing covert, black buff eye strip, belly pale, black legs, black shorter tail, undertail white.





**Figure: 5**

Lower mandible white, throat white, white supercilium shorter, Greyish crown, pale grey ear coverts, dark grey mentle, black wing coverts, shorter black tail, lower white, white breast and belly.



**Figure: 6**

Shorter broad based bill, greyish crown ear covert and mentle, shorter white supercilium, white throat, breast and belly, dark grey wing coverts, dark grey shorter tail, black at tip, lower tail white, black legs.



**Figure: 7**

Broad based black bill, lower mandible white, throat white, breast and belly white, shorter supercilium, dark grey crown, ear covert, wing coverts and shorter tail, black legs.



**Figure: 8**

Broad based shorter black bill, lower mandible white, black at base, black eye strips, narrow white supercilium extend upto eye, greyish crown and ear covert, white throat, creamy breast and belly, black legs and shorter tail.





**Figure: 9**

Shorter black broad based bill, shorter white supercilium, grey crown, nape, dark grey wing coverts and tail, white throat, upper breast and belly, black legs.



**Figure: 10**

Black broad based shorter bill, greyish crown, nape, mentle, wing covert, shorter tail, white supercilium extend beyond eye, white throat.



**Figure: 11**

Broad based shorter bill, white ear coverts and throat, grey crown and nape, dark grey wing coverts and tail, white supercilium, throat, ear coverts, belly, breast and thighs, black legs.



**Figure: 12**

Borad based shorter black, lower mendible pale, blackish fine feathers on crown, nape and mentle, wing coverts and upper tail, greyish buff upper breast and throat.



**Figure: 13**

White supercilium, throat, upper breast, belly, greyish upper parts.





**Figure: 14**

Lower mandible pale, white throat, pale grey belly, dark grey wing coverts, pale grey crown and nape, black shorter tail.



**Figure: 15**

Brownish shorter bill, lower pale, white supercilium and ear covert, breast, belly and undertail, brownish crown.



**Figure: 16**

Broad based shorter black bill, white below, white supercilium extend upto eye, brownish crown, shorter tail and wing coverts, white throat, breast, belly, vent and undertail.



**Figure: 17**

Probably fresh juvenile. Broad based shorter bill, greyish crown, ear covert, upper breast, belly, wing covert, tail and legs, white throat.



**Figure: 18**

Shorter black bill, white supercilium, grey crown, nape and mentle, black wing covert and tail, white below, white throat, breast, belly and vent.



**Figure: 19**

Broad based black bill, lower mendible, throat, breast, belly white, white supercilium, black eye strip, grey crown, nape and mentle, dark grey wing coverts and upper tail.

**All the handful records of the Orient Reed Warbler are presented from Nal Sarovar Birds Sanctuary and surrounding adjusted wetlands in Table 1**

Fig.	Date	Site	District	Lat./Long.	Plumage
1	18-1-12	Vekaria	Ahmedabad	22.83° N, 72.06° E	Winter
2	3-3-12	Meni	Ahmedabad	22.79° N, 72.07° E	Winter
3	17-4-13	Nal Sarovar Sanctuary near interpretation center	Ahmedabad	22.82° N, 72.05° E	Summer
4	11-10-14	Kayla	Ahmedabad	22.46° N, 72.02° E	Winter
5	27-3-14	Kayla	Ahmedabad	22.46° N, 72.02° E	Winter
6	30-1-15	Kayla	Ahmedabad	22.46° N, 72.02° E	Winter
7	7-12-15	Vekaria	Ahmedabad	22.83° N, 72.06° E	Winter
8	18-2-16	Vadla	Surendranagar	22.93° N, 71.98° E	Winter
9	11-4-17	Vadla	Surendranagar	22.93° N, 71.98° E	Summer
10	22-12-17	Olak	Surendranagar	22.92° N, 71.89° E	Winter
11	4-4-18	Sharad	Surendranagar	23.67° N, 72.60° E	Summer
12	25-1-19	Karela	Surendranagar	22.99° N, 71.85° E	Winter
13	21-4-19	NSBS	Ahmedabad	22.82° N, 72.05° E	Summer
14	14-10-20	Nani katechi	Surendranagar	22.85° N, 71.98° E	Winter
15	9-3-21	Dharji (Durgi)	Ahmedabad	22.78° N, 72.03° E	Winter
16	12-4-22	NSBS	Ahmedabad	22.82° N, 72.05° E	Summer
17	18-1-23	Kayla	Ahmedabad	22.46° N, 72.02° E	Winter
18	24-11-23	Vekaria	Ahmedabad	22.83° N, 72.06° E	Winter
19	14-2-24	Vekaria	Ahmedabad	22.83° N, 72.06° E	Winter

## DISCUSSION

**P. David & K. Peter, 2010, Grimmett, 2011, Ali** (has doesn't mention in *Birds of Eastern Himalayas*, 1997), 2012, **Kry's 2012, Rasmussen 2012, Robson 2015**, winter visitor in Nepal, North-East India, Assam, Bangladesh, Andaman. **K. baker 1997**, winter visitor in North-East India, also pervasive Western India. **Ali & Ripley 1993, Ali 1945, 1954 & 1955**, doesn't came across species in Kachchh or in any part of Gujarat. Even **Dharamkumarsinhji 1955**, not recorded even a single species in Saurashtra region. Also, species is not listed in checklist of *Birds of Gujarat*, 2004, 2016 & 2020. Location of present sightings were located between

Ahmedabad and Surendranagar district, which is open largest wetland and surrounding near plain cultivation field. Looking at all the available observation data and all the sighting makes clear that the orient reed Warbler is regular accuring during winter migration, and it is quite common but it isn't vagrant. All the photographic records are from Nal Sarovar Birds Sanctuary and surrounding areas.

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